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ELECTRICAL IMPLEMENT CODIFICATION

DEVICE CODE	IMPLEMENT	PLC	SERIAL NUMBER	FUNCTION CODE
M CONTROL MAIN DEVICE T MECHANICAL MAIN DEVICE F JIG DEVICE I DEVICE'S SERIAL NUMBER	CR: ELECTRO MAGNET RELAY LS: LIMIT SWITCH PS: PRESSURE SWITCH TR: TIMER MS: ELECTRO MAGNET RELAY FOR ELECTRIC MOTOR SS: SELECTOR SWITCH CB: CIRCUIT BREAKER SOL: SOLENOID OL: THERMAL RELAY M: ELECTRIC MOTOR	R INPUT D INTERNAL OUTPUT C INTERNAL COUNTER T INTERNAL TIMER W OUTPUT	1 2 3 4 5	E: EMERGENCY STOP B: RETURN A: AUTOMATIC OR CONTINUOUS H: MANUAL C: OFF X: FOR OTHER RELAYS P: CONFIRMATION FOR DEVICE-MOVEMENT W: CONFIRMATION OF WORKPIECE G: FOR AUTOMATIC OPERATION K: RELAY ENERGIZED WITH LATCH : SEQUENCE RELAY

NOTE: 1. IMPLEMENT CODES ARE BASED ON TMS (TOYODA MANUFACTURING STANDARD).
BUT CS MEANS ELECTRO MAGNET RELAY FOR RELATIVELY SMALL CURRENT CIRCUIT.
2. SERIAL NUMBER IS AFFIXED IN SERIES TO EACH OF DEVICE CODE, IMPLEMENT CODE AND FUNCTION CODE.
3. DEVICE CODE ON EACH MAGNET RELAY IN A PAGE OF CIRCUIT DIAGRAM IS OMITTED. IT IS WRITTEN FOR REPRESENTATIVE IN THE DEVICE CODE COLUMN.

EXPLANATION OF GRAPHIC SYMBOLS

- |— SHOWS THAT IT IS A CONTACT FROM A DIFFERENT DEVICE CODE
- |— SHOWS THAT IT IS A CONTACT FROM THE SAME DEVICE CODE
- SHOWS A TERMINAL BLOCK

USER'S NO			
MACHINE NO.	MESSRS.	DRAWING FOR	
RC8077, RC8078	F. M. A.	FINAL	
MACHINE NAME		ELECTRIC CIRCUIT DIAGRAM	
CNC PRODUCTION TYPE		PAGE	
GRINDER MODEL GCH63 II		TOTAL PAGE 777	
APPROVED	CHECKED BY	DESIGNED	DRAWN BY
Y. BAN '05/10/3	J. ITO '05/10/3	N. KAKO '05/10/3	T. SAKAI '05/10/3
TOYODA MACHINE WORKS, LTD.		DRAWING NO.	
		35-80777001-1	

I N D E X

[illegible]

USER'S NO.	DEVICE CODE	PAGE 2
	CONTENTS INDICE	
	DRAWING NO.	35-80777001-1

LAMP(1) DISPLAY

AUSILIARI INS. (W)	ESECUZIONE PLC (W)	ARIA (W)	REFRIGERANTE (W)
AUTOMATICO (G)	MANUALE (W)	SEMI AUTOMATICO (G)	CAMBIO (W)
POMPE INS. (G)	RULLO RAVVIVAT. IN ROTAZIONE (O)	CALCOLO DATI RETTIF. IN CORSO (Y)	CAMPIONATURA NON COMPLETA (R)
RAVVIV. SGROSS. COMPLETA (W)	MEM. TUTTE POS. COMPLETA (G)	CALCOLO DATI RETTIF. COMPL. ETO (W)	CAMPIONATURA COMPLETA (W)
POSIZIONE INIZ. TUTTE UNITA (G)	PEZZI PRESENTI (W)	RETTIFICA COMPLETA (W)	CARICATORE NON INTERFERENZA (W)
AVVIO ABIL. (G)	RETTIFICA ABIL. (G)	CNC IN MARCIA (O)	RAVVIVATURA (O)
MEMORIA POSIZ. DIAMETRO MOLA (W)	MEMORIA POSIZ. RULLO DIAMANTATO (W)	MEMORIA POSIZ. PERNO CONTATTO (W)	MEMORIA POSIZ. AUTOMATICO (W)
RISPARMIO ENEGR. (W)	PREVIS. CAMBIO MOLA (R)	PREVIS. CAMBIO RULLO DIAMANTATO (R)	PREVIS. CAMBIO PERNO CONTATTO (R)
	ALLARME BATTERIA CNC (R)	ALLARME BATTERIA PLC (R)	DIFETTO COMUNICAZ. PLC (R)

LAMP(2) DISPLAY

TOYOTA W/C NUMBER		CONTENTS VISUALI ZAZI ONE PANNELLO	DEVICE CODE 01 2/8
DRAWING NO. 		35-80777001	
MANUFACTURER		MANUFACTURE'S NUMBER RC8077, RC8078	PAGE 7

SWITCH(1) DISPLAY

POMPE INS. (W)	RETTIFICA COMPLETA (B)	RETTIFICA ABIL (G)	
MANUALE 1 CHIUSURA INTERM. SPORTELLI (W)	MANUALE 14 APERTURA SPORT. (G)	MANUALE 6 BLOCC. MANDRINO (W)	MANUALE 10 SBLOCC. MANDRINO (G)
MANUALE 2 AVANZAMENTO TESTA PORTAPEZZO (W)	MANUALE 13 RITORNO TESTA PORTAPEZZO (G)	MANUALE *7* INDICE TAV.-MAND. PEZZO (W)	MANUALE 9 RITORNO TAV.-MAND. PEZZO (G)
MANUALE 3 AVANZ. CENTRO CONTROPUNTA (W)	MANUALE 12 RITORNO CENTRO CONTROPUNTA (G)	MANUALE *8* AVVIO CICLO RETTIFICA (W)	
MANUALE 4 AVANZ. LUNETTA (W)	MANUALE 11 RITORNO LUNETTA (G)		
MANUALE 5 CICLO PERNO INSERIMENTO (W)			

SWITCH(2) DISPLAY

POMPE INS. (W)	RAVVIV. SGROSS. COMPLETA (W)	MEM. TUTTE POS. COMPLETA (W)	CONTATTO RAVVIV. (W)
MANUALE RITORNO CAMBIO MOLA (W)	MANUALE RITORNO CAMBIO RULLO (W)	MANUALE RITORNO CAMBIO PERNO (W)	
MANUALE RITORNO TAV.-MAND. PEZZO (W)	MANUALE APPROCCIO CONTATTO RAVVIV. (W)	MANUALE AVANZAMENTO LUNETTA (W)	MANUALE RITORNO LUNETTA (G)
MANUALE AVVIO AUTOMATICO RAVVIVA. SGROSS. (W)	MANUALE AVVIO MANDRINO P-PEZZO (W)		
MANUALE MEMORIA POSIZION. AUTOM. (W)	MANUALE AVVIO RULLO RAVVIVA. (W)		
MANUALE AVVIO CICLO RAVVIVAT. (W)	MANUALE CAMPIONATURA PROFILO (W)		

TOYOTA W/C NUMBER	CONTENTS VI SUALI ZAZI ONE PANNELLO	DEVICE CODE 01 3/8
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LAMP (1) DISPLAY

CONTROL CIRCUIT ON (W)	PLC RUN (W)	AIR (W)	COOLANT (W)
CONT. (G)	MANUAL (W)	SINGLE AUTO (G)	SET UP (W)
BRG. PUMP ON (G)	TRUING ROLL ROTATING (G)	GRINDING DATA CALCULATE INPRO (Y)	SAMPLING NOT COMPLETE (R)
ROUGH TRUING COMPLETE (W)	ALL POSI. MEMORY COMPLETE (G)	GRINDING DATA CALCULATE COMP (W)	SAMPLING COMPLETE (W)
ALL UNIT HOME POSITION (G)	PARTS PRESENT (W)	GRINDING COMPLETE (W)	LOADER NONINTERFERENCE (W)
OK TO START (G)	GRINDING ENABLE (G)	CNC RUNNING (G)	TRUING (G)
POSITION MEMORY WHEEL DIAMETER (W)	POSITION MEMORY TRUING ROLL (W)	POSITION MEMORY CONTACT PIN (W)	POSITION MEMORY AUTO (W)
POWER SAVING (W)	WHEEL CHANGE FORECAST (R)	TRUING ROLL CHANGE FORECAST (R)	CONTACT PIN CHANGE FORECAST (R)
	CNC BATTERY FAULT (R)	PLC BATTERY FAULT (R)	PLC COMMUN. FAULT (R)

LAMP (2) DISPLAY

TOYOTA M/C NUMBER	CONTENTS M SUALI ZZAZI ONE PANNELLO	DEVICE CODE 01 6/8
 DRAWING NO. 35-80777001		
MANUFACTURER	MANUFACTURE'S NUMBER RC8077, RC8078	PAGE 11

SWITCH(1) DISPLAY

PUMP ON (W)	GRINDING COMPLETE (B)	GRINDING ENABLE (G)	
MANUAL 1 DOOR CLOSE (W)	MANUAL 14 OPEN DOOR (G)	MANUAL 6 CHUCK CLAMP (W)	MANUAL 10 CHUCK UNCLAMP (G)
MANUAL 2 WORK HEAD ADVANCE (W)	MANUAL 13 WORK HEAD RETURN (G)	MANUAL*7* TABLE-WORK SP. INDEX (W)	MANUAL 9 TABLE-WORK SP. RETURN (G)
MANUAL 3 FOOTSTOCK CENTER ADVANCE (W)	MANUAL 12 FOOTSTOCK CENTER RETURN (G)	MANUAL*8* START GRINDING CYCLE (W)	
MANUAL 4 REST ADVANCE (W)	MANUAL 11 REST RETURN (G)		
MANUAL 5 DRIVE PIN INSERT (W)			

SWITCH(2) DISPLAY

PUMP ON (W)	ROUGH TRUING COMPLETE (W)	ALL POSI. MEMORY COMPLETE (W)	TRUING CONTACT (W)
MANUAL WHEEL CHANGE RETURN (W)	MANUAL ROLL CHANGE RETURN (W)	MANUAL PIN CHANGE RETURN (W)	
MANUAL TABLE WORK SP. RETURN (W)	MANUAL TRUING CONTACT APPROACH (W)	MANUAL REST ADVANCE (W)	MANUAL REST RETURN (G)
MANUAL START AUTO ROUGH TRUING (W)	MANUAL START WORK SPINDLE (W)		
MANUAL AUTO POSITIONING MEMORY (W)	MANUAL START TRUING ROLL (W)		
MANUAL START TRUING CYCLE (W)	MANUAL PROFILE SAMPLING (W)		

TOYOTA W/C NUMBER		CONTENTS MISCELLANEOUS ONE PANELLO	DEVICE CODE
		DRAWING NO. 35-80777001	01 7/8
MANUFACTURER		MANUFACTURE'S NUMBER RC8077, RC8078	PAGE 12

SWITCH(3) DISPLAY

PUMP ON (W)			
MANUAL PROFILE CYCLE HANDLE INTERRUPT (W)			
MANUAL START PROFILE CYCLE (W)			
MANUAL START ROUGH TRUING (W)			
	MANUAL ADJUSTMENT (W)	MANUAL TABLE ADJUST POSITION (W)	

TOYOTA W/C NUMBER	CONTENTS VISUALI ZZAZI ONE PANNELLO	DEVICE CODE 01 8/8
 DRAWING NO. 35-80777001		
MANUFACTURER	MANUFACTURE'S NUMBER RC8077, RC8078	PAGE 13

ELENCO N. 1 MESSAGGI DI ERRORE GC32XC (GCH63II)

ERRORE UTILIZZATO /NON UTILIZZATO	CODICE N.	MESSAGGIO DI ERRORE	N. DI MEMORIA TOYOPUC	ERRORE UTILIZZATO /NON UTILIZZATO	CODICE N.	MESSAGGIO DI ERRORE	N. DI MEMORIA TOYOPUC
○	G400	GUASTO BATTERIA PLC	1	○	G419	GUASTO ORIENTAMENTO MANDRINO PORTAPEZZO.	☆
	M1D12X	PREMERE PULS. CONFERMA PER RIPRENDERE CICLO MACCH.			4D8X	CONTROLLARE MANDR. E PREMERE PULS. RESET ANOMALIE.	
○	G401	CONTROLLO QUALITA.	☆	○	G41A	NEBBIA OLIO VUOTO. T1FS5	☆
	M1D43X	MISURARE LA PRECISIONE PEZZI E RESET IL CONTATORE.			T1D52X	RIFORNIRE OLIO E PREMERE PULSANTE RESET ANOMALIE.	
○	G402	TEMPO CICLO ESAURITO.	15	○	G41B	GUASTO PRESSIONE ARIA. T1PS7	☆
	M1D25X	CONTROLLARE OPER. E PREMERE IL PULS. RESET ANOMALIE.			T1D85X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.	
○	G403	GUASTO PRESSIONE ARIA. T1PS1	2		G41C		
	T1D3X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.			G41D		
	G404	GUASTO PRESSIONE NEBBIA OLIO.			G41E		
	T1D24X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.			G41F		
○	G405	NEBBIA OLIO VUOTO. T1FS6	☆		G420	SOVRACCARICO MANDRINO PORTAMOLA.	☆
	T1D48X	RIFORNIRE OLIO E PREMERE PULSANTE RESET ANOMALIE.		○	7D20X	CONTR. MOLA, POS. PEZ. PREMERE PULS. RESET ANOM.	
○	G406	GUASTO PRESSIONE REFRIGERANTE. T2PS1	7		G421	PEZZO DI DIMENSIONI TROPPO RIDOTTE.	
	T2D5X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.				CONTROLLARE IL PEZ. E PREMERE IL PULS. RESET ANOM.	
	G407	GUASTO CONVOGLIATORE PER TRUCIOLI.			G422		
		RIMUOVERE MORCHIA E PREMERE PULS. INTERMITTENZA.			G423	GUASTO PRESSIONE LIQUIDO RAFFREDDAMENTO MANDRINO PORTAMOLA.	
	G408	CONVOGLIATORE PER TRUCIOLI NON IN AUTOMATICO.			7D42X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.	
		SELEZIONARE MODO CONTINUO.		○	G424	LIQUIDO RAFFREDDAMENTO MANDRINO PORTAMOLA VUOTO. T1OM1	☆
	G409	GUASTO PSW CONTROPUNTA.			7D40X	RIFORNIRE LIQUIDO E PREMERE PULS. RESET ANOMALIE.	
		REGOLARE LE CAUSE E RESET SU CONSOLE.		○	G425	CONDIZIONI CICLO AUTOMATICO DIS.	16
	G40A				M1D68X	CONTROLLO IN MODO MAN. PREMERE PULS. RESET ANOM.	
	G40B			○	G426	CONDIZIONI RETTIFICA DIS.	17
					M1D83X	RISOLVERE ERRORI E PREMERE PULS. RESET ANOMALIE.	
	G40C	ERRORE MODIFICA DATI NC.		○	G427	SELETTORE NEL PANNELLO DI COMANDO NON IN MODO MARCIA	☆
		STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE..			M1D79X	SELEZIONARE MODO MARC. E PREMERE PULS. RESET ANOM.	
○	G40D	ERRORE PEZZO N.	☆	○	G428	LUBRIFICANTE VUOTO. T1FS4	☆
	M2D1X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE..			T1D44X	RIFORNIRE OLIO E PREMERE PULSANTE RESET ANOMALIE.	
○	G40E	GUASTO VIBRAZIONE MANDRINO PORTAMOLA. 7AMP3	☆	○	G429	OLIO IDRAULICO VUOTO. T1FS2	☆
	7D9X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.			T1D42X	RIFORNIRE OLIO E PREMERE PULSANTE RESET ANOMALIE.	
○	G40F	GUASTO PRESSIONE OLIO LUBRIFICAZIONE MANDRINO PORTAPEZZO. 4PS1	☆		G42A		
	4D38X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.			G42B		
○	G410	SPOSTAMENTO ECCESSIVO SPINGITORE.	9		G42C		
	1D8X	RITORNARE CENTRO IN MODO MAN. E RISERRARE PEZZO.			G42D		
○	G411	SPINGITORE NON AVANZATO.	19		G42E		
	1D13X	RITORNARE CENTRO IN MODO MAN. E RISERRARE PEZZO.			G42F		
	G412	LUBRIFICANTE IN FORO CENTRALE VUOTO.		○	G430	OLIO CUSCINETTO VUOTO. 7FS2	☆
		RIFORNIRE OLIO E PREMERE PULS. RESET ANOMALIE.			7D32X	RIFORNIRE OLIO E PREMERE PULSANTE RESET ANOMALIE.	
	G413	CENTRO NON ALLINEATO AL PEZZO.		○	G431	CAMBIO MOLA. MOLA MINIM.	21
		CONTROLLARE SERRATURA PEZZO E RITORNARE CENTRO.			8D8X	SOSTITUIRE MOLA SECONDO IL MANUALE.	
○	G414	REFRIGERANTE VUOTO. T2FS1	4				
	T2D3X	RIFORNIRE REFRIG. E PREMERE PULS. RESET ANOMALIE..					
	G415						
	G416						
○	G417	POSIZIONE BLOCCO CARICATORE DIS.	☆				
	M2D2X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.					
○	G418	ERRORE DI INNESTO DEL PEZZO CONDUTTORE	☆				
	4D13X	CONTR. IMPIANTO E PREMERE PULS. RESET ANOMALIE..					

SE IL CODICE DI ERRORE E' UTILIZZATO,
E' MARCATO CON(○)

IL SEGNO (☆) E' VISUALIZZATO DAL CODICE BCD

TOYOTA M/C NUMBER

CONTENTS

DEVICE CODE

ELENCO MESSAGGI DI ERRORE

02



DRAWING NO.

35-80777001

1/12

MANUFACTURER

MANUFACTURE'S NUMBER

PAGE

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GC32XC ERROR MESSAGE LIST NO.1 (GCH6311)

ERROR USE OR NO USE	CODE NO.	ERROR MESSAGE	TOYOPUC MEMORY NO.	ERROR USE OR NO USE	CODE NO.	ERROR MESSAGE	TOYOPUC MEMORY NO.
○	G400	PLC BATTERY FAULT	1	○	G419	WORK SPINDLE ORIENTATION FAULT	☆
	M1D12X	RESUME M/C CYCLE BY PUSH CONFIRMATION SWITCH			4D8X	CHECK SPINDLE AND RESET WITH FAULT RESET PB.	
○	G401	QUALITY CHECK	☆	○	G41A	MIST OIL EMPTY. T1FS5	☆
	M1D43X	MEASURE THE PART ACCURACY AND RESET COUNTER			T1D52X	SUPPLY OIL AND PUSH FAULT RESET PB.	
○	G402	CYCLE TIME OVER	15	○	G41B	AIR PRESSURE FAULT. T1PS7	☆
	M1D25X	CHECK OPERATION AND PUSH FAULT RESET PB.			T1D85X	RESOLVE CAUSES AND PUSH FAULT RESET PB.	
○	G403	AIR PRESSURE FAULT. T1PS1	2		G41C		
	T1D3X	RESOLVE CAUSES AND PUSH FAULT RESET PB.			G41D		
	G404	MIST OIL PRESSURE FAULT			G41E		
	T1D24X	RESOLVE CAUSES AND PUSH FAULT RESET PB.			G41F		
○	G405	MIST OIL EMPTY. T1FS6	☆		G420	WHEEL SPINDLE OVERLOAD	☆
	T1D48X	SUPPLY OIL AND PUSH FAULT RESET PB.			7D20X	CHECK WHEEL, WORK POSI. PUSH FAULT RESET PB.	
○	G406	COOLANT PRESSURE FAULT. T2PS1	7		G421	WORKPIECE IS UNDER SIZE	
	T2D5X	RESOLVE CAUSES AND PUSH FAULT RESET PB.				CHECK THE WORK AND PUSH FAULT RESET PB.	
	G407	CHIP CONVEYOR FAULT			G422		
		REMOVE SLUDGE AND PUSH JOG PB.			G423	WHEEL SP. COOLING WATER PRESSURE FAULT	
	G408	CHIP CONVEYOR NOT IN AUTO			7D42X	RESOLVE CAUSES AND PUSH FAULT RESET PB.	
		SELECT CONTINUOUS MODE			G424	WHEEL SP. COOLING WATER EMPTY. T1OM1	☆
	G409	FOOTSTOCK PSW FAULT			7D40X	SUPPLY WATER AND PUSH FAULT RESET PB.	
		RECTIFY CAUSES AND RESET ON CONSOLE			G425	AUTO CYCLE CONDITIONS OFF	16
	G40A				M1D68X	CHECK IN MANUAL MODE, PUSH FAULT RESET PB.	
	G40B				G426	GRINDING CONDITIONS OFF	17
	G40C	NC DATA CHANGE FAULT			M1D83X	RESOLVE ERRORS AND PUSH FAULT RESET PB.	
		RESOLVE CAUSES AND PUSH FAULT RESET PB.			G427	SELECTOR IN CONTROL PANEL NOT AT RUN MODE	☆
○	G40D	WORK NO. FAULT	☆		M1D79X	SELECT RUN MODE AND PUSH FAULT RESET PB.	
	M2D1X	RESOLVE CAUSES AND PUSH FAULT RESET PB.			G428	LUBRICANT OIL EMPTY. T1FS4	☆
○	G40E	WHEEL SPINDLE VIBRATION FAULT. 7AMP3	☆		T1D44X	SUPPLY OIL AND PUSH FAULT RESET PB.	
	7D9X	RESOLVE CAUSES AND PUSH FAULT RESET PB.			G429	HYDRAULIC OIL EMPTY. T1FS2	☆
○	G40F	WORK SPINDLE LUB. OIL PRESSURE FAULT. 4PS1	☆		T1D42X	SUPPLY OIL AND PUSH FAULT RESET PB.	
	4D38X	RESOLVE CAUSES AND PUSH FAULT RESET PB.			G42A		
○	G410	PUSHER OVERTRAVEL	9		G42B		
	1D8X	RETURN CENTER IN MANUAL MODE AND RECLAMP WORK			G42C		
○	G411	PUSHER NOT ADV'D	19		G42D		
	1D13X	RETURN CENTER IN MANUAL MODE AND RECLAMP WORK			G42E		
	G412	LUBE OIL OF CENTER HOLE EMPTY			G42F		
		SUPPLY OIL AND RESET WITH FAULT RESET PB.			G430	BEARING OIL EMPTY. 7FS2	☆
	G413	CENTER IS NOT ENGAGED WITH WORK			7D32X	SUPPLY OIL AND RESET FAULT RESET PB.	
		CHECK WORK CLAMPING AND RETURN CENTER			G431	WHEEL EXCHANGE. WHEEL MINIMUM	21
○	G414	COOLANT EMPTY. T2FS1	4		8D8X	REPLACE WHEEL IN ACCORDANCE WITH MANUAL	
	T2D3X	SUPPLY COOLANT AND PUSH FAULT RESET PB.					
	G415						
	G416						
○	G417	LOADER INTERLOCK POSITION OFF	☆				
	M2D2X	RESOLVE CAUSES AND PUSH FAULT RESET PB.					
○	G418	WORK DRIVER ENGAGE ERROR	☆				
	4D13X	CHECK SPINDLE AND PUSH FAULT RESET PB.					

IF ERROR CODE IS USE, MARKED 『○』

『☆』 MARK IS DISPLAY BY BCD CODE

TOYOTA M/C NUMBER	CONTENTS	DEVICE CODE
	ELENO MESSAGE DI ERROR	02
DRAWING NO.	35-80777001	2/12
MANUFACTURER	MANUFACTURE'S NUMBER	PAGE
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ELENCO N. 2 MESSAGGI DI ERRORE GC32XC (GCH63II)

ERRORE UTILIZZATO /NON UTILIZZATO	CODICE N.	MESSAGGIO DI ERRORE	N. DI MEMORIA TOYOPUC	ERRORE UTILIZZATO /NON UTILIZZATO	CODICE N.	MESSAGGIO DI ERRORE	N. DI MEMORIA TOYOPUC
○	G432	SALTO INTERRUPTORE AUTOMATICO. T1CR3X	☆		G44B		
	T1D75X	CONTROLLARE L'ALIMENTAZI. E RESET L'INTERRUPTORE.					
	G433	GUASTO PULSANTE AVVIO			G44C		
		CONTROLLARE INTERR. E PREMERE PULS. RESET ANOM.					
	G434	GUASTO INTERRUPTORE LIMITE & PROSSIMITA			G44D		
		CNTR. INT LIMITE&PROS. E PREMERE PULS. RESET ANOM.					
	G435	GUASTO CAMBIO TIPO			G44E		
		CONTROLLARE IMP. MACCHINA E SELETTORE PEZZO.					
○	G436	SOVRACCARICO MOTORI. T1CR4X	☆		G44F		
	T1D77X	CONTROLLARE MOTORE CORRENTE, RESET RELE TERMICO.					
	G437	GUASTO PRESSIONE OLIO IDRAULICO	3		G450	FILTRO UNITA LUBRIFICAZIONE OSTRUITO	
		RISOLVERE ERRORI E PREMERE PULS. RESET ANOMALIE.				PULIRE/SOSTIT. FILTRO E PREMERE PULS. RESET ANOM.	
	G438	FILTRO OLIO IDRAULICO OSTRUITO		○	G451	GUASTO INDICATORE DI PORTATA MANDRINO PORTAPEZZO. 7FL1	☆
		PULIRE/SOSTIT. FILTRO E PREMERE PULS. RESET ANOM.			7D50X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.	
	G439	GUASTO CONTROLLORE TEMPERATURA OLIO IDRAULICO		○	G452	GUASTO INDICATORE DI PORTATA REFRIGERANTE. T2FL1	8
		STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.			T2D6X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.	
	G43A				G453	NECESSARIA CARTA PER FILTRO	
						INSERIRE CARTA E PREMERE PULSANTE RESET ANOMALIE.	
	G43B				G454	PEZZO ERRATO	
						SELEZIONARE POSIZ. INTERRUT. PER PEZZO PRESENTE.	
	G43C				G455		
	G43D				G456	GUASTO IMPOSTAZIONE PEZZO.	
						ESEGUIRE CORRETTAMENTE IL RESET DELLA PARTE.	
	G43E				G457	ORIENTAMENTO PEZZO ERRATO	
						ESEGUIRE CORRETTAMENTE IL RESET DELLA PARTE.	
	G43F				G458	GUASTO CODIFICATORE MANDRINO PORTAPEZZO.	
						CONTR. CODIFICATORE E PREMERE PULS. RESET ANOM.	
○	G440	GUASTO PRESSIONE LUBRIFICAZIONE. T1PS3	5		G459	GUASTO CARICAMENTO PEZZO	
	T1D6X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.				CONTR. CARICATORE&PEZZO. PREMERE PULS. RESET ANOM.	
○	G441	FILTRO LUBRIFICANTE OSTRUITO. T1PS13	☆		G45A		
	T1D34X	PULIRE/SOSTIT. FILTRO E PREMERE PULS. RESET ANOM.					
	G442	FILTRO LUBRIFICANTE OSTRUITO (MOTORE)			G45B		
		PULIRE/SOSTIT. FILTRO E PREMERE PULS. RESET ANOM.					
○	G443	GUASTO PRESSIONE OLIO CUSCINETTO. 7PS1	6		G45C		
	7D3X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.					
	G444	FILTRO OLIO RAFFREDDAMENTO MOTORE OSTRUITO.			G45D		
		PULIRE/SOSTIT. FILTRO E PREMERE PULS. RESET ANOM.					
○	G445	FILTRO OLIO CUSCINETTO OSTRUITO. 7PS2	☆		G45E		
	7D34X	PULIRE/SOSTIT. FILTRO E PREMERE PULS. RESET ANOM.					
	G446	GUASTO CONTROLLORE TEMPERATURA OLIO CUSCINETTO.			G45F		
	7D26X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.					
○	G447	GUASTO PRESSIONE LUBRIFICAZIONE. T1PS4	☆		G460	GUASTO SCARICAMENTO PEZZO.	
	T1D9X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.				CONTR. CARICATORE&PEZZO. PREMERE PULS. RESET ANOM.	
○	G448	GUASTO PRESSIONE LUBRIFICAZIONE T1PS5	☆		G461	GUASTO PASSAGGIO PEZZO.	
	T1D26X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.				CONTR. PASSAGGIO PEZZO E PREMERE PULS. RESET ANOM.	
○	G449	FILTRO LUBRIFICANTE OSTRUITO. T1PS14	☆		G462	GUASTO TRASFERIMENTO PEZZO.	
	T1D33X	PULIRE/SOSTIT. FILTRO E PREMERE PULS. RESET ANOM.				CONTR. TRASF. PEZZO E PREMERE PULS. RESET ANOMALIE.	
	G44A				G463	GUASTO CONTROLLO PEZZI.	
						CONTR. IDENTIFICATORE E PREMERE PULS. RESET ANOM.	

SE IL CODICE DI ERRORE E' UTILIZZATO,
E' MARCATO CON(○)

IL SEGNO (☆) E' VISUALIZZATO DAL CODICE BCD

TOYOTA M/C NUMBER	CONTENTS ELENCO MESSAGGI DI ERRORE	DEVICE CODE 02
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GC32XC ERROR MESSAGE LIST NO.2 (GCH63II)

ERROR USE OR NO USE	CODE NO.	ERROR MESSAGE	TOYOPUC MEMORY NO.	ERROR USE OR NO USE	CODE NO.	ERROR MESSAGE	TOYOPUC MEMORY NO.
○	G432	CIRCUIT PROTECTOR TRIP. T1CR3X	☆		G44B		
	T1D75X	CHECK PR. SUPPLY AND RESET CIRCUIT PROTECTOR					
	G433	START PUSH BUTTON FAULT			G44C		
		CHECK PB. SWITCH AND PUSH FAULT RESET PB.					
	G434	LIMIT&PROX. SWITCH FAULT			G44D		
		CHK LIMIT&PROX. SW. AND RESET WITH FAULT RESET PB.					
	G435	CHANGEOVER FAULT			G44E		
		CHECK MACHINE SET-UP AND WORK SELECTOR SW.					
○	G436	MOTORS OVERLOAD. T1CR4X	☆		G44F		
	T1D77X	CHECK MOTOR CURRENT, RESET THERMAL RELAY					
	G437	HYDRAULIC OIL PRESSURE FAULT	3		G450	LUBRICATION UNIT FILTER CLOGGED	
		RESOLVE CAUSES AND PUSH FAULT RESET PB.				CLEAN(CHANGE)FILTER AND PUSH FAULT RESET PB.	
	G438	HYDRAULIC OIL FILTER CLOGGED		○	G451	W-SP. COOLING WATER FLOW METER FAULT. 7FL1	☆
		CLEAN(CHANGE)FILTER AND PUSH FAULT RESET PB.			7D50X	RESOLVE CAUSES AND PUSH FAULT RESET PB.	
	G439	HYDRAULIC OIL TEMP. CONTROLLER FAULT		○	G452	COOLANT FLOW METER FAULT. T2FL1	8
		RESOLVE CAUSES AND PUSH FAULT RESET PB.			T2D6X	RESOLVE CAUSES AND PUSH FAULT RESET	
	G43A				G453	PAPER FILTER REQUIRES PAPER	
						REPLENISH PAPER AND PUSH FAULT RESET PB.	
	G43B				G454	WRONG WORK	
						SELECT SWITCH POSITION FOR PRESENT COMPONENT	
	G43C				G455		
	G43D				G456	WORK SETTING FAULT	
						RESET THE PART CORRECTLY	
	G43E				G457	WORK ORIENTATION IS WRONG	
						RESET THE PART CORRECTLY	
	G43F				G458	WORK SP. ENCODER FAULT	
						CHECK ENCODER AND PUSH FAULT RESET PB.	
○	G440	LUBRICATION PRESSURE FAULT. T1PS3	5		G459	WORK LOADING FAULT	
	T1D6X	RESOLVE CAUSES AND PUSH FAULT RESET PB.				CHECK LOADER & WORK, PUSH FAULT RESET PB.	
○	G441	LUB. OIL FILTER CLOGGED. T1PS13	☆		G45A		
	T1D34X	CLEAN(CHANGE)FILTER AND PUSH FAULT RESET PB.					
	G442	LUB. OIL FILTER CLOGGED(MOTOR)			G45B		
		CLEAN(CHANGE)FILTER AND PUSH FAULT RESET PB.					
○	G443	BEARING OIL PRESSURE FAULT. 7PS1	6		G45C		
	7D3X	RESOLVE CAUSES AND PUSH FAULT RESET PB.					
	G444	MOTOR COOLING OIL FILTER CLOGGED			G45D		
		CLEAN(CHANGE)FILTER AND PUSH FAULT RESET PB.					
○	G445	BEARING OIL FILTER CLOGGED. 7PS2	☆		G45E		
	7D34X	CLEAN(CHANGE)FILTER AND PUSH FAULT RESET PB.					
	G446	BEARING OIL TEMP. CONTROLLER FAULT.			G45F		
	7D26X	RESOLVE CAUSES AND PUSH FAULT RESET PB.					
○	G447	LUBRICATION PRESSURE FAULT. T1PS4	☆		G460	WORK UNLOADING FAULT	
	T1D9X	RESOLVE CAUSES AND PUSH FAULT RESET PB.				CHECK LOADER & WORK RESET WITH FAULT RESET PB.	
○	G448	LUBRICATION PRESSURE FAULT. T1PS5	☆		G461	WORK PASSAGE FAULT	
	T1D26X	RESOLVE CAUSES AND PUSH FAULT RESET PB.				CHECK WORK PASSAGE AND PUSH FAULT RESET PB.	
○	G449	LUB. OIL FILTER CLOGGED. T1PS14	☆		G462	WORK TRANSFER FAULT	
	T1D33X	CLEAN(CHANGE)FILTER AND PUSH FAULT RESET PB.				CHECK WORK TRANSFER AND PUSH FAULT RESET PB.	
	G44A				G463	PARTS CHECK FAULT	
						CHECK IDENTIFICATER AND PUSH FAULT RESET PB.	

IF ERROR CODE IS USE, MARKED 『○』

『☆』 MARK IS DISPLAY BY BCD CODE

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ELENCO N. 3 MESSAGGI DI ERRORE GC32XG (GCH63II)

ERRORE UTILIZZATO /NON UTILIZZATO	CODICE N.	MESSAGGIO DI ERRORE	N. DI MEMORIA TOYOPUC	ERRORE UTILIZZATO /NON UTILIZZATO	CODICE N.	MESSAGGIO DI ERRORE	N. DI MEMORIA TOYOPUC
	G464	GUASTO CONTROLLORE TEMPERATURA LIQUIDO RAFFREDDAMENTO MANDRINO PORTAMOLA.			G47D		
	7D28X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.			G47E		
○	G465	GUASTO CONTROLLORE TEMPERATURA LUBRIFICANTE. T10M1	☆		G47F		
	T1D50X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.			G480	GUASTO UNITA RAFFREDDAMENTO SCATOLA COMANDI. MOPM1	☆
	G466	GUASTO AUTOCALIBRATORE.			M1D86X	STABILIRE LE CAUSE E PREMERE IL PULS. RESET ANOM.	
		CONTR. APPARECCH. E PREMERE PULS. RESET ANOMALIE			G481	GUASTO TEMPERATURA SCATOLA COMANDI. MOTC1, 2, 3, 4	☆
	G467				T1D71X	STABILIRE LE CAUSE E PREMERE IL PULS. RESET ANOM.	
	G468	SPORTELLLO PULEGGIA APERTO IN MOLA IN ROTAZIONE.			G482		
		CHIUDERE LO SPORTELLLO E PREMERE PULS. RESET ANOM.			G483	SURRISCALDAMENTO MOTORE RULLO RAVVIVATORE. 9ACT1	☆
	G469	RIPARO MOLA APERTO IN MOLA IN ROTAZIONE.			9D25X	CONTR. L'IMPIANTO E PREMERE IL PULS. RESET ANOM.	
		CHIUDERE LO SPORTELLLO E PREMERE PULS. RESET ANOM.			G484	GUASTO INVERTITORE RULLO RAVVIVATORE. 9INV1	☆
	G46A				9D16X	STABILIRE LE CAUSE E PREMERE IL PULS. RESET ANOM.	
	G46B				G485	GUASTO ESSICCATORE ARIA.	
	G46C				T1D20X	CONTR. L'IMPIANTO E PREMERE IL PULS. RESET ANOM.	
	G46D				G486	GUASTO ELIMINATORE DISTANZA. 9AMP1	☆
	G46E				9D13X	CONTR. L'IMPIANTO E PREMERE IL PULS. RESET ANOM.	
	G46F				G487	GUASTO INVERTITORE MANDRINO PORTAMOLA. 7INV1	☆
					7D8X	STABILIRE LE CAUSE E PREMERE IL PULS. RESET ANOM.	
	G470	RULLO RAVVIVATORE DI DIAMETRO MINIMO	22		G488		
	8D17X	SOSTITUIRE IL RULLO RAVVIVATORE			G489	SERVO PRONTO DIS.	10
	G471	PERNO CONTATTO DI DIAMETRO MINIMO	23		N1D546X	STABILIRE LE CAUSE E PREMERE IL PULS. RESET CN.	
	8D21X	SOSTITUIRE IL PERNO CONTATTO.			G48A	GUASTO INVERTITORE RULLO RAVVIVATORE. 9RC1	☆
	G472				9D18X	STABILIRE LE CAUSE E PREMERE IL PULS. RESET ANOM.	
					G48B		
	G473	GUASTO ROTAZIONE PEZZO.	14		G48C		
	4D18X	CONTR. IMPIANTO COMAN. E PREMERE PULS. RESET ANOM.			G48D		
	G474	GUASTO MANDRINO PORTAPEZZO INDICE FASE	☆		G48E		
	4D5X	CONTROLLARE MANDRINO E PREMERE PULS. RESET ANOM.			G48F		
	G475				G490	GUASTO COMUNICAZIONE PLC	11
	G476				1L1DW11X	STABILIRE LE CAUSE E PREMERE INTERR. DI CONFERMA.	
	G477				G491	CNC PRONTO DIS.	12
	G478	SOVRACCARICO POMPA OLIO REFRIGERANTE. T2MB1	☆		N1D545X	STABILIRE LE CAUSE E PREMERE IL PULS. RESET CN.	
	T2D8X	CONTROLLARE MOTORE CORRENTE. RESET RELE TERMICO.			G492	GUASTO BATTERIA CNC.	13
	G479	SOVRACCARICO POMPA LIQUIDO RAFFREDDAMENTO MANDRINO PORTAMOLA.			N1D528X	PREMERE INTERR. CONFER. PER RIPRENDERE CICLO MACC.	
	7D24X	CONTROLLARE MOTORE CORRENTE. RESET RELE TERMICO.			G493	SOVRACCARICO POMPA OLIO CUSCINETTO. 7MB2	☆
	G47A				7D22X	CONTROLLARE MOTORE CORRENTE. RESET RELE TERMICO.	
	G47B				G494	SOVRACCARICO POMPA OLIO IDRAULICO. T1MB1	☆
	G47C				T1D10X	CONTROLLARE MOTORE CORRENTE. RESET RELE TERMICO.	
					G495	SOVRACCARICO POMPA LUBRIFICANTE. T1MB2	☆
					T1D13X	CONTROLLARE MOTORE CORRENTE. RESET RELE TERMICO.	

SE IL CODICE DI ERRORE E' UTILIZZATO,
E' MARCATO CON(○)

IL SEGNO (☆) E' VISUALIZZATO DAL CODICE BCD

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GC32XG ERROR MESSAGE LIST NO.3 (GCH63II)

ERROR USE OR NO USE	CODE NO.	ERROR MESSAGE	TOYOPUC MEMORY NO.	ERROR USE OR NO USE	CODE NO.	ERROR MESSAGE	TOYOPUC MEMORY NO.
	G464	WHEEL SP. COOLING WATER TEMP. CONTROLLER FAULT			G47D		
	7D28X	RESOLVE CAUSES AND PUSH FAULT RESET PB.					
○	G465	LUBRICATION OIL TEMP. CONTROLLER FAULT.T10M1	☆		G47E		
	T1D50X	RESOLVE CAUSES AND PUSH FAULT RESET PB.					
	G466	AUTO SIZER FAULT			G47F		
		CHECK EQUIPMENT AND PUSH FAULT RESET PB					
	G467			○	G480	CONTROL BOX COOLING UNIT FAULT.M0FM1	☆
					M1D86X	RESOLVE CAUSES AND PUSH FAULT RESET PB.	
	G468	PULLY COVER OPEN IN ROTATING WHEEL		○	G481	CONTROL BOX TEMP. FAULT.M0TC1, 2, 3, 4	☆
		CLOSE COVER AND PUSH FAULT RESET PB.			T1D71X	RESOLVE CAUSES AND PUSH FAULT RESET PB.	
	G469	WHEEL GUARD OPEN IN ROTATING WHEEL			G482		
		CLOSE COVER AND PUSH FAULT RESET PB.					
	G46A			○	G483	TRUING ROLL MOTOR OVERHEAT.9ACT1	☆
					9D25X	CHECK FIXTURE AND PUSH FAULT RESET PB.	
	G46B			○	G484	TRUING ROLL INVERTER FAULT.9INV1	☆
					9D16X	RESOLVE CAUSES AND PUSH FAULT RESET PB.	
	G46C			○	G485	AIR DRYER FAULT	
					T1D20X	CHECK FIXTURE AND PUSH FAULT RESET PB.	
	G46D			○	G486	GAP ELIMINATOR FAULT.9AMP1	☆
					9D13X	CHECK FIXTURE AND PUSH FAULT RESET PB.	
	G46E			○	G487	WHEEL SPINDLE INVERTER FAULT.7INV1	☆
					7D8X	RESOLVE CAUSES AND PUSH FAULT RESET PB.	
	G46F				G488		
○	G470	TRUING ROLL AT MINIMUM DIAMETER	22	○	G489	SERVO READY OFF	10
	8D17X	REPLACE THE TRUING ROLL			N1D546X	RESOLVE CAUSES AND PUSH NC RESET PB.	
○	G471	CONTACT PIN AT MINIMUM DIAMETER	23	○	G48A	TRUING ROLL INVERTER FAULT.9RC1	☆
	8D21X	REPLACE THE CONTACT PIN			9D18X	RESOLVE CAUSES AND PUSH FAULT RESET PB.	
	G472				G48B		
○	G473	WORK ROTATING FAULT	14		G48C		
	4D18X	CHECK DRIVE FIXTURE AND PUSH FAULT RESET PB.					
○	G474	PHASE INDEX WORK SP. FAULT	☆		G48D		
	4D5X	CHECK SPINDLE AND PUSH FAULT RESET PB.					
	G475				G48E		
	G476				G48F		
	G477			○	G490	PLC COMMUNICATION FAULT	11
					1L1DW11X	RESOLVE CAUSES AND PUSH CONFIRMATION SWITCH.	
○	G478	COOLANT OIL PUMP OVERLOAD.T2MB1	☆	○	G491	CNC READY OFF	12
	T2D8X	CHECK MOTOR CURRENT,RESET THERMAL RELAY			N1D545X	RESOLVE CAUSES AND PUSH NC RESET PB.	
	G479	WHEEL SP. COOLING WATER PUMP OVERLOAD		○	G492	CNC BATTERY FAULT	13
	7D24X	CHECK MOTOR CURRENT,RESET THERMAL RELAY			N1D528X	RESUME M/C CYCLE BY PUSH CONFIRMATION SWITCH	
	G47A			○	G493	BEARING OIL PUMP OVERLOAD.7MB2	☆
					7D22X	CHECK MOTOR CURRENT,RESET THERMAL RELAY	
	G47B			○	G494	HYDRAULIC OIL PUMP OVERLOAD.T1MB1	☆
					T1D10X	CHECK MOTOR CURRENT,RESET THERMAL RELAY	
	G47C			○	G495	LUBRICATING OIL PUMP OVERLOAD.T1MB2	☆
					T1D13X	CHECK MOTOR CURRENT,RESET THERMAL RELAY	

IF ERROR CODE IS USE, MARKED 『○』

『☆』 MARK IS DISPLAY BY BCD CODE

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ELENCO N. 4 MESSAGGI DI ERRORE GC32XG (GCH63II)

ERRORE UTILIZZATO /NON UTILIZZATO	CODICE N.	MESSAGGIO DI ERRORE	N. DI MEMORIA TOYOPUC	ERRORE UTILIZZATO /NON UTILIZZATO	CODICE N.	MESSAGGIO DI ERRORE	N. DI MEMORIA TOYOPUC
○	G496	SOVRACCARICO POMPA UNITA LUBRIFICAZIONE. TIMB3	☆	○	G4AF	OLTREPASSAMENTO TEMPO CICLO. 4SOL3, 4LS8	☆
	TID18X	CONTROLLARE MOTORE CORRENTE. RESET RELE TERMICO.				CONTROLLARE FUNZIONAM. E PREMERE PULS. RESET DIF.	
○	G497	GUASTO TEMPERATURA OLIO CUSCINETTO.	☆	○	G4B0	OLTREPASSAMENTO TEMPO CICLO. 4SOL4, 4LS7	☆
		STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.				CONTROLLARE FUNZIONAM. E PREMERE PULS. RESET DIF.	
○	G498	GUASTO TEMPERATURA LUBRIFICANTE. TITHS2	☆	○	G4B1	OLTREPASSAMENTO TEMPO CICLO. 4SOL3, 4LS10	☆
	TID67X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.				CONTROLLARE FUNZIONAM. E PREMERE PULS. RESET DIF.	
○	G499	GUASTO TEMPERATURA OLIO IDRAULICO. TITHS1	☆	○	G4B2	OLTREPASSAMENTO TEMPO CICLO. 4SOL4, 4LS9	☆
	TID63X	STABILIRE LE CAUSE E PREMERE PULS. RESET ANOMALIE.				CONTROLLARE FUNZIONAM. E PREMERE PULS. RESET DIF.	
○	G49A	SOVRACCARICO POMPA UNITA LUBRIFICAZIONE. TIMB4	☆	○	G4B3	OLTREPASSAMENTO TEMPO CICLO. 5SOL1, 5LS5	☆
	TID19X	CONTROLLARE MOTORE CORRENTE. RESET RELE TERMICO.				CONTROLLARE FUNZIONAM. E PREMERE PULS. RESET DIF.	
○	G49B	DIFETTO FINECORS. 4LS3, 4	☆	○	G4B4	OLTREPASSAMENTO TEMPO CICLO. 5SOL2, 5LS1	☆
		CONTROLLARE FINECORS. E PREMERE PULS. RESET				CONTROLLARE FUNZIONAM. E PREMERE PULS. RESET DIF.	
○	G49C	DIFETTO FINECORS. 4LS5, 6	☆		G4B5		
		CONTROLLARE FINECORS. E PREMERE PULS. RESET					
○	G49D	DIFETTO FINECORS. 4LS7, 8	☆		G4B6		
		CONTROLLARE FINECORS. E PREMERE PULS. RESET					
○	G49E	DIFETTO FINECORS. 4LS9, 10	☆		G4B7		
		CONTROLLARE FINECORS. E PREMERE PULS. RESET					
○	G49F	DIFETTO FINECORS. 5LS1, 2	☆		G4B8		
		CONTROLLARE FINECORS. E PREMERE PULS. RESET					
	G4A0				G4B9		
	G4A1				G4BA		
	G4A2				G4BB		
○	G4A3	DIFETTO MOVIMENTO. 4SOL3	☆		G4BC		
		CONTROLLARE ELTTROVALV. E PREMERE PULS. RESET					
○	G4A4	DIFETTO MOVIMENTO. 4SOL4	☆		G4BD		
		CONTROLLARE ELTTROVALV. E PREMERE PULS. RESET					
○	G4A5	DIFETTO MOVIMENTO. 5SOL1	☆		G4BE		
		CONTROLLARE ELTTROVALV. E PREMERE PULS. RESET					
○	G4A6	DIFETTO MOVIMENTO. 5SOL2	☆		G4BF		
		CONTROLLARE ELTTROVALV. E PREMERE PULS. RESET					
	G4A7				G4C0		
	G4A8				G4C1		
	G4A9				G4C2		
	G4AA				G4C3		
○	G4AB	OLTREPASSAMENTO TEMPO CICLO. 4SOL3, 4LS4	☆		G4C4		
		CONTROLLARE FUNZIONAM. E PREMERE PULS. RESET DIF.					
○	G4AC	OLTREPASSAMENTO TEMPO CICLO. 4SOL4, 4LS3	☆		G4C5		
		CONTROLLARE FUNZIONAM. E PREMERE PULS. RESET DIF.					
○	G4AD	OLTREPASSAMENTO TEMPO CICLO. 4SOL3, 4LS6	☆		G4C6		
		CONTROLLARE FUNZIONAM. E PREMERE PULS. RESET DIF.					
○	G4AE	OLTREPASSAMENTO TEMPO CICLO. 4SOL4, 4LS5	☆		G4C7		
		CONTROLLARE FUNZIONAM. E PREMERE PULS. RESET DIF.					

SE IL CODICE DI ERRORE E' UTILIZZATO,
E' MARCATO CON (○)

IL SEGNO (☆) E' VISUALIZZATO DAL CODICE BCD

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GC32XG ERROR MESSAGE LIST NO.4 (GCH63II)

ERROR USE OR NO USE	CODE NO.	ERROR MESSAGE	TOYOPUC MEMORY NO.	ERROR USE OR NO USE	CODE NO.	ERROR MESSAGE	TOYOPUC MEMORY NO.
○	G496	LUBRICATION UNIT PUMP OVERLOAD.T1MB3	☆	○	G4AF	CYCLE TIME OVER.4SOL3,4LS8	☆
	T1D18X	CHECK MOTOR CURRENT,RESET THERMAL RELAY				CHECK OPERATION AND PUSH FAULT RESET PB.	
○	G497	BERG. OIL TEMP. FAULT	☆	○	G4B0	CYCLE TIME OVER.4SOL4,4LS7	☆
		RESOLVE CAUSES AND PUSH FAULT RESET PB.				CHECK OPERATION AND PUSH FAULT RESET PB.	
○	G498	LUB. OIL TEMP. FAULT.T1THS2	☆	○	G4B1	CYCLE TIME OVER.4SOL3,4LS10	☆
	T1D67X	RESOLVE CAUSES AND PUSH FAULT RESET PB.				CHECK OPERATION AND PUSH FAULT RESET PB.	
○	G499	HYD. OIL TEMP. FAULT.T1THS1	☆	○	G4B2	CYCLE TIME OVER.4SOL4,4LS9	☆
	T1D63X	RESOLVE CAUSES AND PUSH FAULT RESET PB.				CHECK OPERATION AND PUSH FAULT RESET PB.	
○	G49A	LUBRICATION UNIT PUMP OVERLOAD.T1MB4	☆	○	G4B3	CYCLE TIME OVER.5SOL1,5LS2	☆
	T1D19X	CHECK MOTOR CURRENT,RESET THERMAL RELAY				CHECK OPERATION AND PUSH FAULT RESET PB.	
○	G49B	LS FAULT.4LS3,4	☆	○	G4B4	CYCLE TIME OVER.5SOL2,5LS1	☆
		CHECK LS AND PUSH FAULT RESET PB.				CHECK OPERATION AND PUSH FAULT RESET PB.	
○	G49C	LS FAULT.4LS5,6	☆		G4B5		
		CHECK LS AND PUSH FAULT RESET PB.			G4B6		
○	G49D	LS FAULT.4LS37,8	☆				
		CHECK LS AND PUSH FAULT RESET PB.			G4B7		
○	G49E	LS FAULT.4LS9,10	☆				
		CHECK LS AND PUSH FAULT RESET PB.			G4B8		
○	G49F	LS FAULT.5LS1.2	☆				
		CHECK LS AND PUSH FAULT RESET PB.			G4B9		
	G4A0						
	G4A1				G4BA		
	G4A2				G4BB		
○	G4A3	MOVING FAULT.4SOL3	☆		G4BC		
		CHECK SOL AND PUSH FAULT RESET PB.					
○	G4A4	MOVING FAULT.4SOL4	☆		G4BD		
		CHECK SOL AND PUSH FAULT RESET PB.					
○	G4A5	MOVING FAULT.5SOL1	☆		G4BE		
		CHECK SOL AND PUSH FAULT RESET PB.					
○	G4A6	MOVING FAULT.5SOL2	☆		G4BF		
		CHECK SOL AND PUSH FAULT RESET PB.					
	G4A7				G4C0		
	G4A8				G4C1		
	G4A9				G4C2		
	G4AA				G4C3		
○	G4AB	CYCLE TIME OVER.4SOL3,4LS4	☆		G4C4		
		CHECK OPERATION AND PUSH FAULT RESET PB.					
○	G4AC	CYCLE TIME OVER.4SOL4,4LS3	☆		G4C5		
		CHECK OPERATION AND PUSH FAULT RESET PB.					
○	G4AD	CYCLE TIME OVER.4SOL3,4LS6	☆		G4C6		
		CHECK OPERATION AND PUSH FAULT RESET PB.					
○	G4AE	CYCLE TIME OVER.4SOL4,4LS5	☆		G4C7		
		CHECK OPERATION AND PUSH FAULT RESET PB.					

IF ERROR CODE IS USE, MARKED 『○』

『☆』 MARK IS DISPLAY BY BCD CODE

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		ELENCO MESSAGE DI ERRORE	02
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		RC8077, RC8078	21

ELENCO N. 5 MESSAGGI DI ERRORE GC32XG (GCH63II)

ERRORE UTILIZZATO /NON UTILIZZATO	CODICE N.	MESSAGGIO DI ERRORE	N. DI MEMORIA TOYOPUC	ERRORE UTILIZZATO /NON UTILIZZATO	CODICE N.	MESSAGGIO DI ERRORE	N. DI MEMORIA TOYOPUC
	G4C8				G4E1		
	G4C9				G4E2		
	G4CA				G4E3		
	G4CB				G4E4		
	G4CC				G4E5		
	G4CD				G4E6		
	G4CE				G4E7		
	G4CF				G4E8		
	G4D0				G4E9		
	G4D1				G4EA		
	G4D2				G4EB		
	G4D3				G4EC		
	G4D4				G4ED		
	G4D5				G4EE		
	G4D6				G4EF		
	G4D7				G4F0		
	G4D8				G4F1		
	G4D9				G4F2		
	G4DA				G4F3		
	G4DB				G4F4		
	G4DC				G4F5		
	G4DD				G4F6		
	G4DE				G4F7		
	G4DF				G4F8		
	G4E0				G4F9		

SE IL CODICE DI ERRORE E' UTILIZZATO,
E' MARCATO CON (○)

IL SEGNO (☆) E' VISUALIZZATO DAL CODICE BCD

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GC32XG ERROR MESSAGE LIST NO.5 (GCH63II)

ERROR USE OR NO USE	CODE NO.	ERROR MESSAGE	TOYOPUC MEMORY NO.	ERROR USE OR NO USE	CODE NO.	ERROR MESSAGE	TOYOPUC MEMORY NO.
	G4C8				G4E1		
	G4C9				G4E2		
	G4CA				G4E3		
	G4CB				G4E4		
	G4CC				G4E5		
	G4CD				G4E6		
	G4CE				G4E7		
	G4CF				G4E8		
	G4D0				G4E9		
	G4D1				G4EA		
	G4D2				G4EB		
	G4D3				G4EC		
	G4D4				G4ED		
	G4D5				G4EE		
	G4D6				G4EF		
	G4D7				G4F0		
	G4D8				G4F1		
	G4D9				G4F2		
	G4DA				G4F3		
	G4DB				G4F4		
	G4DC				G4F5		
	G4DD				G4F6		
	G4DE				G4F7		
	G4DF				G4F8		
	G4E0				G4F9		

IF ERROR CODE IS USE, MARKED 『○』

『☆』 MARK IS DISPLAY BY BCD CODE

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ELENCO N.6 MESSAGGI DI ERRORE GC32XG (GCH63II)

[illegible]

SE IL CODICE DI ERRORE E' UTILIZZATO,
E' MARCATO CON(O)

IL SEGNO (☆) E' VISUALIZZATO DAL CODICE BCD

TOYOTA W/C NUMBER		CONTEXTS ELENCO MESSAGGI DI ERRORE	DEVICE CODE 02
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GC32XG ERROR MESSAGE LIST NO.6 (GCH63II)

[illegible]

IF ERROR CODE IS USE, MARKED 『○』

『☆』 MARK IS DISPLAY BY BCD CODE

TOYOTA H/C NUMBER		CONTENTS ELENCO MESSAGGI DI ERRORE	DEVICE CODE 02
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GC32XC ELENCO CODICI GUIDA N. 1 (GCH II)

INSTALLAZIONE	CODICE	DESCRIZIONE	N. REGISTRO PC	INSTALLAZIONE	CODICE	DESCRIZIONE	N. REGISTRO PC
	G100				G119		
○	G101	GUASTO CNC/PLC	☆		G11A		
	TID210X	CONTROLLARE CONTENUTO E ELIMINARE GUASTO.			G11B		
○	G102	GUASTO COLLEGATO AL MANDRINO PORTAMOLA.	☆		G11C		
	7D103X	CONTROLLARE CONTENUTO E ELIMINARE GUASTO.			G11D		
○	G103	SI E VERIFICATO UN GUASTO.	☆		G11E		
	MID209X	CONTROLLARE CONTENUTO E ELIMINARE GUASTO.			G11F		
	G104	RISCALDAMENTO NON ANCORA CONCLUSO.			G120		
	MID213X	ESEGUIRE OPERAZIONE DI RISCALDAMENTO.			G121		
○	G105	SEGNALE DA CARICATORE NON IN MODO AUTOMATICO.	☆		G122		
	MID211X	AVVIARE CARICATORE IN MODO AUTOMATICO.			G123		
○	G106	[MANUALE RITORNO CAMBIO RULLO] SELEZIONATO.			G124		
	8D69	PREMERE [INDIRIZZO] PER RESET MEM. POS RULLO DIAM.			G125		
○	G107	[MANUALE CAMBIO PERNO] SELEZIONATO.			G126		
	8D69	PREMERE [INDIRIZZO] PER RESET MEM. POS. PRNO RILEV.			G127		
	G108				G128		
	G109				G129		
	G10A				G12A		
	G10B				G12B		
	G10C				G12C		
	G10D				G12D		
	G10E				G12E		
	G10F				G12F		
	G110				G130		
	G111				G131		
	G112						
	G113						
	G114						
	G115						
	G116						
	G117						
	G118						

↑ SEGNARE GUIDA INSTALLATA

LE VOCI SEGNATE CON * INDICANO GLI ALLARMI
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GC32XC Guidance code list No.1 (GCH II)

Installation	Code	Description	PC register No.	Installation	Code	Description	PC register No.
	G100				G119		
○	G101	CNC/PLC HAS A FAULT.	☆		G11A		
	T1D210X	CHECK THE CONTENT AND ELIMINATE THE FAULT.			G11B		
○	G102	FAULT RELATED TO WHEEL SPINDLE HAPPENS.	☆		G11C		
	7D103X	CHECK THE CONTENT AND ELIMINATE THE FAULT.			G11D		
○	G103	FAULT HAPPENS.	☆		G11E		
	M1D209X	CHECK THE CONTENT AND ELIMINATE THE FAULT.			G11F		
	G104	WARMING-UP OPERATION HAS NOT FINISHED YET.			G120		
	M1D213X	EXECUTE WARMING-UP OPERATION.			G121		
○	G105	SIGNAL FROM LOADER IS NOT IN AUTO MODE.	☆		G122		
	M1D211X	RUN LOADER IN AUTO MODE.			G123		
○	G106	[MANUAL ROLL CHANGE RETURN] WAS SELECTED.			G124		
	8D69	PRESS [ACTIVE] TO RESET DIAMOND ROLL POS. MEMORY.			G125		
○	G107	[MANUAL PIN CHANGE RETURN] WAS SELECTED.			G126		
	8D69	PRESS [ACTIVE] TO RESET DETECTION PIN POS. MEMORY.			G127		
	G108				G128		
	G109				G129		
	G10A				G12A		
	G10B				G12B		
	G10C				G12C		
	G10D				G12D		
	G10E				G12E		
	G10F				G12F		
	G110				G130		
	G111				G131		
	G112						
	G113						
	G114						
	G115						
	G116						
	G117						
	G118						

Mark the installed guidance.

Items marked * indicate the alarms displayed in the BCD code.

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GC32XC ELENCO CODICI GUIDA N. 2 (GCH II)

INSTALLAZIONE	CODICE	DESCRIZIONE	N. REGISTRO PC	INSTALLAZIONE	CODICE	DESCRIZIONE	N. REGISTRO PC
	G132				G14B		
	G133				G14C		
	G134				G14D		
	G135				G14E		
	G136				G14F		
	G137				G150		
	G138				G151		
	G139				G152		
	G13A				G153		
	G13B				G154		
	G13C				G155		
	G13D				G156		
	G13E				G157		
	G13F				G158		
	G140				G159		
	G141				G15A		
	G142				G15B		
	G143				G15C		
	G144				G15D		
	G145				G15E		
	G146				G15F		
	G147				G160		
	G148				G161		
	G149			○	G162	PREMERE [AVVIO POMPE] E [CAMBIO TIPO].	☆
	G14A			○	G163	PREMERE [AVVIO MANDRINO PORTAMOLA] E [AVVIO CICLO]	☆

↑
SEGNARE GUIDA INSTALLATA

↑
LE VOCI SEGNATE CON * INDICANO GLI ALLARMI
VISUALIZZATI NEL CODICE BCD

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GC32XC Guidance code list No.2 (GCH II)

Installation	Code	Description	PC register No.	Installation	Code	Description	PC register No.
	G132				G14B		
	G133				G14C		
	G134				G14D		
	G135				G14E		
	G136				G14F		
	G137				G150		
	G138				G151		
	G139				G152		
	G13A				G153		
	G13B				G154		
	G13C				G155		
	G13D				G156		
	G13E				G157		
	G13F				G158		
	G140				G159		
	G141				G15A		
	G142				G15B		
	G143				G15C		
	G144				G15D		
	G145				G15E		
	G146				G15F		
	G147				G160		
	G148				G161		
	G149			○	G162	PRESS [PUMP START] AND THEN [SET UP CHANGE].	☆
	G14A			○	G163	PRESS [START WHEEL SPINDLE] AND THEN [CYCLE START].	☆

Mark the installed guidance.

Items marked * indicate the alarms displayed in the BCD code.

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GC32XC ELENCO CODICI GUIDA N. 3 (GCH II)

INSTALLAZIONE	CODICE	DESCRIZIONE	N. REGISTRO PC	INSTALLAZIONE	CODICE	DESCRIZIONE	N. REGISTRO PC
	G164			○	G17D	RAVVIVATURA DI SGROSSATURA NON ANCORA CONCLUSA.	14
					M1D206X	ESEGUIRE RAVVIVATURA DI SGROSSATURA.	
	G165			○	G17E	SELETTORE [EDIZ MDI] NON IN POSIZIONE [DIS.].	15
					M1D207X	POSIZIONARE IL SELETTORE [EDIZ MDI] SULLA POSIZIONE [DIS.].	
	G166			○	G17F	SELETTORE [CARICATORE] NON IN POSIZIONE [INCL.].	16
					M1D208X	POSIZIONARE L'INTERRUTTORE [CARICATORE] IN POSIZIONE [INCL.].	
	G167				G180		
	G168				G181		
	G169				G182		
	G16A				G183		
	G16B				G184		
	G16C				G185		
	G16D				G186		
	G16E				G187		
	G16F				G188		
○	G170	[MANUALE RITORNO CAMBIO MOLA] SELEZIONATO.	1		G189		
	8D11	ESEGUIRE RIT. CAMBI. DIAMAN./PERNO.			G18A		
○	G171	PULS. [ARRESTO EMERGENZA] PREMUTO SU PANNELLO PRINC.	2		G18B		
	T1D201X	RESET [ARRESTO EMERGENZA].			G18C		
○	G172	PULS. [ARRESTO EMERGENZA] PREMUTO SU PANNELLO SECON	3		G18D		
	T1D202X	RESET [ARRESTO EMERGENZA].			G18E		
○	G173	ANTERIORE DI MACCHINA APERTO.	4		G18F		
	T1D203X	CHIUDERE LO SPORTELLLO.			G190		
○	G174	SPORTELLLO LATERALE RIPARO MOLA APERTO.	5		G191		
	T1D204X	CHIUDERE LO SPORTELLLO.			G192		
○	G175	[ARRESTO EMERGENZA] DATO AL CARICATORE.	6		G193		
	T1D205X	RESET [ARRESTO EMERGENZA].			G194		
○	G176	SELETTORE [SERVO] IN POSIZIONE [DIS.].	7		G195		
	T1D206X	POSIZIONARE L'INTERRUTTORE [SERVO] SU [INS.].					
○	G177	[SERVO INS.] NON ATTIVATO.	8				
	N3D440N	ATTIVARE [SERVO INS.].					
○	G178	TESTA PORTAMOLA NON IN POSIZIONE DI AVVIAMENTO.	9				
	7D102XX	RIPORTARE ALL'ORIGINE LA TESTA PORTAMOLA.					
○	G179	SELETTORE [MODO CN] NON IN POSIZIONE [AUTO].	10				
	M1D202X	POSIZIONARE IL SELETTORE [MODO CN] SULLA POSIZIONE [AUTO].					
○	G17A	TESTA PORTAMOLA NON IN POSIZIONE DI AVVIAMENTO.	11				
	M1D203X	RIPORTARE ALL'ORIGINE LA TESTA PORTAMOLA.					
○	G17B	IL MANDRINO PORTAMOLA NON RUOTA.	12				
	M1D204X	AZIONARE IL MANDRINO PORTAMOLA.					
○	G17C	MEMORIA POSIZIONE NON ANCORA CONCLUSO.	13				
	M1D205X	ESEGUIRE MEMORIA POSIZIONE.					

SEGNARE GUIDA INSTALLATA

LE VOCI SEGNATE CON * INDICANO GLI ALLARMI
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GC32XC Guidance code list No.3 (GCH II)

Installation	Code	Description	PC register No.	Installation	Code	Description	PC register No.
	G164			○	G17D	ROUGH TRUING HAS NOT FINISHED YET.	14
					M1D206X	EXECUTE THE ROUGH TRUING.	
	G165			○	G17E	[MDI EDIT] SELECTOR SWITCH IS NOT PLACED AT [OFF] POSITION.	15
					M1D207X	PLACE [MDI EDIT] SELECTOR SWITCH AT [OFF] POSITION.	
	G166			○	G17F	[LOADER] SELECTOR SWITCH IS NOT PLACED AT [USE] POSITION.	16
					M1D208X	PLACE [LOADER] SELECTOR SWITCH AT [USE] POSITION.	
	G167				G180		
	G168				G181		
	G169				G182		
	G16A				G183		
	G16B				G184		
	G16C				G185		
	G16D				G186		
	G16E				G187		
	G16F				G188		
○	G170	[MANUAL WHEEL CHANGE RETURN] WAS SELECTED.	1		G189		
	8D11	EXECUTE DIAMOND/PIN CHANGE RET.					
○	G171	[EMERGENCY STOP] ON THE MAIN OPERATION PANEL IS PRESSED.	2		G18A		
	T1D201X	RESET [EMERGENCY STOP].					
○	G172	[EMERGENCY STOP] ON THE SUB OPERATION PANEL IS PRESSED.	3		G18B		
	T1D202X	RESET [EMERGENCY STOP].					
○	G173	FRONT DOOR IS OPEN.	4		G18C		
	T1D203X	CLOSE THE DOOR.					
○	G174	WHEEL GUARD SIDE DOOR IS OPEN.	5		G18D		
	T1D204X	CLOSE THE DOOR.					
○	G175	[EMERGENCY STOP] IS GIVEN TO THE LOADER.	6		G18E		
	T1D205X	RESET [EMERGENCY STOP].					
○	G176	[SERVO] SELECTOR SWITCH IS PLACED AT [OFF] POSITION	7		G18F		
	T1D206X	PLACE [SERVO] SELECTOR SWITCH AT [ON] POSITION.					
○	G177	[SERVO ON] IS NOT TURNED ON.	8		G190		
	N3D440N	TURN ON [SERVO ON].					
○	G178	WHEELHEAD IS OUT OF START POSITION.	9		G191		
	7D102XX	RETURN WHEELHEAD TO ITS ORIGIN.					
○	G179	[NC MODE] SELECTOR SWITCH IS NOT PLACED AT [MEMORY] POSITION.	10		G192		
	M1D202X	PLACE [NC MODE] SELECTOR SW AT [MEMORY] POSITION.					
○	G17A	WHEELHEAD IS OUT OF START POSITION.	11		G193		
	M1D203X	RETURN WHEELHEAD TO ITS ORIGIN.					
○	G17B	WHEEL SPINDLE IS NOT ROTATING.	12		G194		
	M1D204X	RUN THE WHEEL SPINDLE.					
○	G17C	POSITION MEMORY HAS NOT FINISHED YET.	13		G195		
	M1D205X	EXECUTE THE POSITION MEMORY.					

Mark the installed guidance.

Items marked * indicate the alarms displayed in the BCD code.

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GC32XC ELENCO CODICI GUIDA N. 4 (GCH II)

INSTALLAZIONE	CODICE	DESCRIZIONE	N. REGISTRO PC	INSTALLAZIONE	CODICE	DESCRIZIONE	N. REGISTRO PC
	G196				G1AF		
	G197				G1B0		
	G198				G1B1		
	G199				G1B2		
	G19A				G1B3		
	G19B				G1B4		
	G19C				G1B5		
	G19D				G1B6		
	G19E				G1B7		
	G19F				G1B8		
	G1A0				G1B9		
	G1A1				G1BA		
	G1A2				G1BB		
	G1A3				G1BC		
	G1A4				G1BD		
	G1A5				G1BE		
	G1A6				G1BF		
	G1A7				G1C0		
	G1A8				G1C1		
	G1A9				G1C2		
	G1AA				G1C3		
	G1AB				G1C4		
	G1AC				G1C5		
	G1AD				G1C6		
	G1AE				G1C7		

↑ ↑ ↑ ↑

SEGNARE GUIDA INSTALLATA

LE VOCI SEGNATE CON * INDICANO GLI ALLARMI
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GC32XC Guidance code list No.4 (GCH II)

Installation	Code	Description	PC register No.	Installation	Code	Description	PC register No.
	G196				G1AF		
	G197				G1B0		
	G198				G1B1		
	G199				G1B2		
	G19A				G1B3		
	G19B				G1B4		
	G19C				G1B5		
	G19D				G1B6		
	G19E				G1B7		
	G19F				G1B8		
	G1A0				G1B9		
	G1A1				G1BA		
	G1A2				G1BB		
	G1A3				G1BC		
	G1A4				G1BD		
	G1A5				G1BE		
	G1A6				G1BF		
	G1A7				G1C0		
	G1A8				G1C1		
	G1A9				G1C2		
	G1AA				G1C3		
	G1AB				G1C4		
	G1AC				G1C5		
	G1AD				G1C6		
	G1AE				G1C7		

Mark the installed guidance.

Items marked * indicate the alarms displayed
in the BCD code.

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GC32XC ELENCO CODICI GUIDA N. 5 (GCH II)

INSTALLAZIONE	CODICE	DESCRIZIONE	N. REGISTRO PC	INSTALLAZIONE	CODICE	DESCRIZIONE	N. REGISTRO PC
	G1C8				G1E1		
	G1C9				G1E2		
	G1CA				G1E3		
	G1CB				G1E4		
	G1CC				G1E5		
	G1CD				G1E6		
	G1CE				G1E7		
	G1CF				G1E8		
	G1D0				G1E9		
	G1D1				G1EA		
	G1D2				G1EB		
	G1D3				G1EC		
	G1D4				G1ED		
	G1D5				G1EE		
	G1D6				G1EF		
	G1D7				G1F0		
	G1D8				G1F1		
	G1D9				G1F2		
	G1DA				G1F3		
	G1DB				G1F4		
	G1DC				G1F5		
	G1DD				G1F6		
	G1DE				G1F7		
	G1DF				G1F8		
	G1E0				G1F9		

↑
SEGNARE GUIDA INSTALLATA

LE VOCI SEGNATE CON * INDICANO GLI ALLARMI
VISUALIZZATI NEL CODICE BCD

TOYOTA M/C NUMBER

CONTENTS

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35-80777001

03

9/12

MANUFACTURER

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GC32XC Guidance code list No.5 (GCH II)

Installation	Code	Description	PC register No.	Installation	Code	Description	PC register No.
	G1C8				G1E1		
	G1C9				G1E2		
	G1CA				G1E3		
	G1CB				G1E4		
	G1CC				G1E5		
	G1CD				G1E6		
	G1CE				G1E7		
	G1CF				G1E8		
	G1D0				G1E9		
	G1D1				G1EA		
	G1D2				G1EB		
	G1D3				G1EC		
	G1D4				G1ED		
	G1D5				G1EE		
	G1D6				G1EF		
	G1D7				G1F0		
	G1D8				G1F1		
	G1D9				G1F2		
	G1DA				G1F3		
	G1DB				G1F4		
	G1DC				G1F5		
	G1DD				G1F6		
	G1DE				G1F7		
	G1DF				G1F8		
	G1E0				G1F9		

Mark the installed guidance.

Items marked * indicate the alarms displayed in the BCD code.

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	G1DA	03
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SPONSARE GUIDA: INSTALLATA

LE VOCI SEGNATE CON * INDICANO GLI ALLARMI
VISUALIZZATI NEL CODICE BCD

DRAWN: 00/06/20 REVIEW: 05/10/20 PRINT OUT: 05/10/20

GC32XC Guidance code list No.6 (GCH II)

[illegible]

Mark the installed guidance.

Items marked * indicate the alarms displayed in the BCD code.

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		GUIDA	03
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MANUFACTURER	MANUFACTURE'S NUMBER		PAGE
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NUMERO DI PROGRAMMA GC 32

NUMERO PROGRAMMA			UNITA	U S O	NOME PROGRAMMA	CONTENUTO	NOTA
PARAMETRO	N.	NUMERO 0					
MI301	1	9001	A, B, C	○	RITORNO DI EMERGENZA (PRINC.)	AVVIA IL CICLO DI RITORNO DI EMERGENZA DOPO L'ARRESTO DI TUTTI GLI ASSI NC IN MOVIMENTO	AVVIO DI EMERGENZA
MI302	2	9002	A		RITORNO DI EMERGENZA (AUSI.)	AVVIA IL CICLO DI RITORNO DI EMERGENZA DOPO L'ARRESTO DEGLI ASSI NC DELL'UNITA A IN MOVIMENTO	AVVIO DI EMERGENZA
MI303	3	9003	B		RITORNO DI EMERGENZA (AUSI.)	AVVIA IL CICLO DI RITORNO DI EMERGENZA DOPO L'ARRESTO DEGLI ASSI NC DELL'UNITA B IN MOVIMENTO	AVVIO DI EMERGENZA
MI304	4	9004	C		RITORNO DI EMERGENZA (SUB)	AVVIA IL CICLO DI RITORNO DI EMERGENZA DOPO L'ARRESTO DEGLI ASSI NC DELL'UNITA C IN MOVIMENTO	AVVIO DI EMERGENZA
MI305	5	9005	A		RICERCA PROGRAMMA	PER RICERCARE IL PROGRAMMA DI AVVIO	
MI306	6	9006	A	○	CAMBIO TIPO / RITORNO POSIZIONE ORIGINALE		
MI307	7	9007	A	○	RITORNO ALLA POSIZIONE SOSTITUZIONE MOLE		
MI308	8	9008	A		CICLO SPECIALE AUTOCALIBRATORE		
MI309	9	9009	A		CICLO SEMPLICE		
MI310	10	9010	A	○	CICLO DI LAVORAZIONE		
MI311	11	9011	A	○	CICLO DI PROVA		
MI312	12	9012	A	○	CICLO DI RETTIFICA		
MI313	13	9013	A	○	CICLO DI PROFILO		
MI314	14	9014	A	○	CAMPIONATURA PROFILO		
MI315	15	9015	A		POSIZIONE SPOSTAMENTO CARICAMENTO TAVOLA		
MI316	16	9016	A		POSIZIONE SPOSTAMENTO SCARICAMENTO TAVOLA		
MI317	17	9017	C		OSCILLAZIONE / ROTAZIONE TESTA PORTAMOLA		
MI318	18	9018	C		REVISIONE CONICITA		
MI319	19	9019	A		POSIZIONE LOCALIZZATA TESTA PORTAMOLA		
MI320	20	9020	A		RITORNO POSIZIONE LOCALIZZATA TESTA PORTAMOLA		
MI321	21	9021	A		CICLO POSIZIONAMENTO LATERALE		
MI322	22	9022	A		RITORNO CICLO POSIZIONAMENTO LATERALE		
MI323	23	9023	A		DIVISIONE TAVOLA (POSIZIONE LOCALIZZATA)		
MI324	24	9024	A	○	RITORNO TAVOLA - MANDRINO PORTAPEZZO		
MI325	25	9025	A		POSIZIONE SCARICAMENTO TAVOLA		
MI326	26	9026	A	○	DIVISIONE TAVOLA - MANDRINO PORTAPEZZO		
MI327	27	9027	C		POSIZIONE ARRESTO 1 MANDRINO PORTAPEZZO	POSIZIONE CARICO E SCARICO PEZZI	
MI328	28	9028	C		POSIZIONE ARRESTO 2 MANDRINO PORTAPEZZO	POSIZIONE REGOLAZIONE CORSA PERNO	
MI329	29	9029	C		INSERITO PERNO DI COMANDO	GIOCO DIS. E BLOCCAGGIO MANDRINO	
MI330	30	9030	C	○	AVANZ. CENTRO CONTROPUNTA		
MI331	31	9031	C	○	RICHIAMO CENTRO CONTROPUNTA		
MI332	32	9032	A		RIPASSATURA (SGROSSATURA)		UTILIZZARE IL RITORNO DI EMERGENZA PER IL MONTAGGIO RAVVIVATORE SUL TAVOLO
MI333	33	9033	A	○	RAVVIVATURA (SGROSSATURA)		
MI334	34	9034	A		RIPASSATURA (PROVA)		
MI335	35	9035	A		RIPASSATURA SGROSSATURA AUTOMATICA		
MI336	36	9036	A	○	RAVVIVATURA		
MI337	37	9037	A		CICLO DI RISCALDAMENTO		
MI338	38	9038	A		AVANZ. RAVVIVATURA LATERALE		
MI339	39	9039	A		RICHIAMO RAVVIVATURA LATERALE		
MI340	40	9040	A		CICLO RIPASSATURA DI SGROSSATURA LATERALE (DX)		
MI341	41	9041	A	○	KMO		
MI342	42	9042	A	○	RITORNO CAMBIO PERNO DI CONTATTO		
MI343	43	9043	A	○	RITORNO CAMBIO RULLO DIAMANTATO		
MI344	44	9044	A	○	AVVICINAMENTO DI CONTATTO RAVVIVATURA		
MI345	45	9045	A		AVVIO RULLO RAVVIVATORE	AVVIO MANDRINO PORTAPEZZO	
MI346	46	9046	A		BLOCCAGGIO MANDRINO		
MI347	47	9047	C	○	AVANZ. TESTA PORTAPEZZO		
MI348	48	9048	C	○	RICHIAMO TESTA PORTAPEZZO INDIETRO		
MI349	49	9049	C		SBLOCCAGGIO MANDRINO		
MI350	50	9050	B	○	TRAVERSA LUNETTA		
MI351	51	9051	B	○	RITORNO LUNETTA		
MI352	52	9052	A		MEMORIA DI POSIZIONAMENTO 1		
MI353	53	9053	A	○	MEMORIA DI POSIZ. AUTOMAT.		
MI354	54	9054	A		MEMORIA POSIZ. DIAM. MOLA		
MI355	55	9055	A		MEMORIA POSIZ. RULLO DIAM.		
MI356	56	9056	A		MEMORIA POSIZ. PERNO DI CONTATTO		
MI357	57	9057	C	○	SBLOCCAGGIO MANDRINO (REGOLAZIONE)		
MI358	58	9058	A				
MI359	59	9059	C				
MI360	60	9060	C				
MI361	61	9061	E	○	CANCELLA MEMORIA		
MI362	62	9062	F	○	USCITA SEGNALE MACRO		
MI363	63	9063			SCANSIONE MACRO 3		
MI364	64					UTILIZZO TOYODA	

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		NUMERO DI PROGRAMMA	04
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GC32 PROGRAM NUMBER

PROGRAM NUMBER			UNIT	U S E	PROGRAM NAME	CONTENT	NOTE
PARAMETER	No.	0 NUMBER					
MI301	1	9001	A, B, C	○	EMERGENCY RETURN(MAIN)	START EMERGENCY RETURN CYCLE, AFTER STOP ALL NC-AXIS RUNNING.	EMERGENCY START
MI302	2	9002	A		EMERGENCY RETURN(SUB)	START EMERGENCY RETURN CYCLE, AFTER STOP NC-AXIS OF A-UNIT RUNNING.	EMERGENCY START
MI303	3	9003	B		EMERGENCY RETURN(SUB)	START EMERGENCY RETURN CYCLE, AFTER STOP NC-AXIS OF B-UNIT RUNNING.	EMERGENCY START
MI304	4	9004	C		EMERGENCY RETURN(SUB)	START EMERGENCY RETURN CYCLE, AFTER STOP NC-AXIS OF C-UNIT RUNNING.	EMERGENCY START
MI305	5	9005	A		PROGRAM SEARCH	FOR START PROGRAM SEARCH	
MI306	6	9006	A	○	SET UP CHANGE/RETURN TO HOME POSI.		
MI307	7	9007	A	○	RETURN TO WHEEL EXCHANGE POSI.		
MI308	8	9008	A		AUTO SIZER SPECIAL CYCLE		
MI309	9	9009	A		SIMPLE CYCLE		
MI310	10	9010	A	○	PROCESSING CYCLE		
MI311	11	9011	A	○	TEST CYCLE		
MI312	12	9012	A	○	GRINDING CYCLE		
MI313	13	9013	A	○	PROFILE CYCLE		
MI314	14	9014	A	○	PROFILE SAMPLING		
MI315	15	9015	A		TABLE LOADING SHIFT POSI.		
MI316	16	9016	A		TABLE UNLOADING SHIFT POSI.		
MI317	17	9017	C		OSCILLATION/WHEEL HEAD SWIVEL		
MI318	18	9018	C		TAPER REVISION		
MI319	19	9019	A		WHEEL HEAD LOCATING POSITION		
MI320	20	9020	A		WHEEL HEAD LOCATING POSI. RETURN		
MI321	21	9021	A		LATERAL LOCATING CYCLE		
MI322	22	9022	A		LATERAL LOCATING CYCLE RETURN		
MI323	23	9023	A		INDEX TABLE(LOCATING POSI.)		
MI324	24	9024	A	○	RETURN TABLE-WORK SP.		
MI325	25	9025	A		TABLE UNLOADING POSI.		
MI326	26	9026	A	○	INDEX TABLE-WORK SP.		
MI327	27	9027	C		WORK SPINDLE STOP POSI. 1	PARTS LOADING&UNLOADING POSI.	
MI328	28	9028	C		WORK SPINDLE STOP POSI. 2	PIN STROKE REGULATION POSI.	
MI329	29	9029	C		DRIVE PIN IN	CLEARANCE OFF AND CLAMP CHUCK	
MI330	30	9030	C	○	FOOTSTOCK CENTER ACV.		
MI331	31	9031	C	○	FOOTSTOCK CENTER RET.		
MI332	32	9032	A		DRESSING(ROUGH DRESSING)		USE EMERGENCY RETURN AT DRESSER MOUNT ON A TABLE.
MI333	33	9033	A	○	TRUING(ROUGH TRUING)		
MI334	34	9034	A		DRESSING(TEST)		
MI335	35	9035	A		AUTO ROUGH DRESS		
MI336	36	9036	A	○	TRUING		
MI337	37	9037	A		WARM UP CYCLE		
MI338	38	9038	A		ADV. SIDE DRESS		
MI339	39	9039	A		RET. SIDE DRESS		
MI340	40	9040	A		ROUGH SIDE DRESS CYCLE(RIGHT)		
MI341	41	9041	A	○	KWO		
MI342	42	9042	A	○	CONTACT PIN CHANGE RET.		
MI343	43	9043	A	○	DIA. ROLL CHANGE RET.		
MI344	44	9044	A	○	TRUING CONTACT APPROACH		
MI345	45	9045	A		START DRESSING ROLL	START WORK SPINDLE	
MI346	46	9046	A		CHUCK CLAMP		
MI347	47	9047	C	○	WORK HEAD ADV.		
MI348	48	9048	C	○	WORK HEAD RET.		
MI349	49	9049	C	○	CHUCK UNCLAMP		
MI350	50	9050	B	○	REST TRAVERSE		
MI351	51	9051	B	○	REST RETURN		
MI352	52	9052	A		POSITIONING MEMORY 1		
MI353	53	9053	A	○	AUTO POSI. MEMORY		
MI354	54	9054	A		WHEEL DIA. POSI. MEMORY		
MI355	55	9055	A		DIA. ROLL POSI. MEMORY		
MI356	56	9056	A		CONTACT PIN POSI. MEMORY		
MI357	57	9057	C	○	CHUCK UNCLAMP(ADJUST)		
MI358	58	9058	A				
MI359	59	9059	C				
MI360	60	9060	C				
MI361	61	9061	E	○	CLEAR MEMORY		
MI362	62	9062	F	○	MACRO SIGNAL OUTPUT		
MI363	63	9063			SCANNING MACRO 3		
MI364	64					TOYODA USE	

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ELENCO MACRO UTENTE GC32 TOYOPUC > CNC (1/2)

N.	INDIRIZZO TOYOPUC	VARIABILE DI SISTEMA	USO	CONTENUTO
32	L100	SB256	○	CONTINUA CICLO AUTOMATICO OK
31	L101	SB257	○	TEST CONTINUO
30	L102	SB258	○	CICLO DI RETTIFICA COMPLETO
29	L103	SB259	○	INIZIO CICLO DI RETTIFICA OK
28	L104	SB260		INIZIO CICLO DI RETTIFICA DI PROVA OK
27	L105	SB261		AVVIO MEMORIA CICLO DI RETTIFICA DI PROVA
26	L106	SB262		AVVIO CICLO SEMPLICE
25	L107	SB263	○	AVVIO CICLO AUTOMATICO
24	L108	SB264	○	MANDRINO PORTAMOLA IN ROTAZIONE
23	L109	SB265		RIPASSATURA DI SGROSSATURA COMPLETA
22	L10A	SB266		TRAVERSA RAVVIVATORE FINE
21	L10B	SB267	○	AVVIO CICLO DI RIPASSATURA
20	L10C	SB268	○	ARRESTO RAVVIVATURA DI SGROSSATURA
19	L10D	SB269		POSIZIONE RIPASSATURA MOLA ESTERNA
18	L10E	SB270		POSIZIONE RIPASSATURA MOLA INTERNA
17	L10F	SB271		
16	L110	SB272		CENTRO ROTAZIONE TESTA PORTAMOLA
15	L111	SB273		TESTA PORTAMOLA ROTAZIONE A DESTRA
14	L112	SB274		TESTA PORTAMOLA ROTAZIONE A SINISTRA
13	L113	SB275		DIAMETRO MOLA N. 1
12	L114	SB276		DIAMETRO MOLA N. 2
11	L115	SB277		BILANCIAMENTO OK
10	L116	SB278		ARRESTO OSCILLAZIONE
9	L117	SB279	○	CAMBIO VELOCITA' ROTAZIONE MANDRINO PORTAMOLA COMPLETO
8	L118	SB280	○	DIVISIONE TAVOLA OK
7	L119	SB281		POSIZIONAMENTO LATERALE COMPLETO
6	L11A	SB282		PALPARARE POSIZIONAMENTO LATERALE CHIUSO
5	L11B	SB283		POSIZIONAMENTO LATERALE IN CORSO
4	L11C	SB284		POSIZIONAMENTO LATERALE OK
3	L11D	SB285		FINE RICHIAMO POSIZIONATORE LATERALE
2	L11E	SB286		FINE AVANZ. POSIZIONATORE LATERALE
1	L11F	SB287		

N.	INDIRIZZO TOYOPUC	VARIABILE DI SISTEMA	USO	CONTENUTO
64	L120	SB288	○	MEMORIA VERIFICA DATI COMPLETA
63	L121	SB289	○	SELEZIONE PEZZO COMPLETA
62	L122	SB290	○	CAMBIO TIPO COMPLETO
61	L123	SB291		CAMBIO TIPO PRONTO
60	L124	SB292	○	MEMORIA DI ARRESTO 30 MIN.
59	L125	SB293		MEMORIA DI POTENZA DIS. /INS.
58	L126	SB294	○	MEMORIA DI SCANSIONE MACRO COMPLETA
57	L127	SB295	○	MEMORIA DI POSIZIONE COMPLETA
56	L128	SB296	○	ORIENTAMENTO MANDRINO PORTAPEZZO
55	L129	SB297		ARRESTO CICLO DI PROFILO
54	L12A	SB298	○	MANDRINO PORTAPEZZO IN ROTAZIONE
53	L12B	SB299	○	RITORNO TESTA PORTAPEZZO OK
52	L12C	SB300		
51	L12D	SB301	○	SOLO LUNETTA TRAVERSA
50	L12E	SB302		FINE RICHIAMO RAPIDO LUNETTA DX
49	L12F	SB303		FINE AVANZAMENTO RAPIDO LUNETTA DX
48	L130	SB304		BLOCCAGGIO CENTRO CONTROPUNTA
47	L131	SB305	○	FINE RICHIAMO CENTRO CONTROPUNTA
46	L132	SB306	○	FINE AVANZ. CENTRO CONTROPUNTA
45	L133	SB307	○	CONFERMA SPINTA CENTRO CONTROPUNTA
44	L134	SB308	○	RETRAZIONE DESTRA FINE CHIAVE
43	L135	SB309	○	RETRAZIONE SINISTRA FINE CHIAVE
42	L136	SB310		COPERCHIO APERTO FINE
41	L137	SB311		COPERCHIO CHIUSO FINE
40	L138	SB312		POSIZIONAMENTO FASE ORIENT. COMPLETO
39	L139	SB313		FASE POSIZIONAMENTO COMPLETA
38	L13A	SB314		
37	L13B	SB315		INSERIMENTO PERNO DI COMANDO COMPLETO
36	L13C	SB316	○	MANDRINO SBLOCCATO FINE
35	L13D	SB317	○	MANDRINO BLOCCATO FINE
34	L13E	SB318		LUNETTA SX RICHIAMATO
33	L13F	SB319		LUNETTA SX AVANTI

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GC32 USER MACRO LIST TOYOPUC →CNC (1/2)

NO.	TOYOPUC ADDRESS	SYSTEM VARIABLE	USE	CONTENTS
32	L100	SB256	○	CONTINUE AUTO CYCLE OK
31	L101	SB257	○	CONTINUOUS TEST
30	L102	SB258	○	GRINDING CYCLE COMPLETE
29	L103	SB259	○	START GRINDING CYCLE OK
28	L104	SB260		START TEST GRINDING CYCLE OK
27	L105	SB261		MEMORY START TEST GRINDING CYCLE
26	L106	SB262		START SIMPLE CYCLE
25	L107	SB263	○	START AUTO CYCLE
24	L108	SB264	○	WHEEL SPINDLE ROTATING
23	L109	SB265		ROUGH DRESSING COMPLETE
22	L10A	SB266		DRESSER TRAVERSE END
21	L10B	SB267	○	START DRESSING CYCLE
20	L10C	SB268	○	STOP ROUGH TRUING
19	L10D	SB269		EXTERNAL WHEEL DRESSING POSI.
18	L10E	SB270		INTERNAL WHEEL DRESSING POSI.
17	L10F	SB271		
16	L110	SB272		WHEEL HEAD SWIVEL CENTER
15	L111	SB273		WHEEL HEAD SWIVEL RIGHT
14	L112	SB274		WHEEL HEAD SWIVEL LEFT
13	L113	SB275		NO.1 WHEEL DIAMETER
12	L114	SB276		NO.2 WHEEL DIAMETER
11	L115	SB277		BALANCEING OK
10	L116	SB278		STOP OSCILLATION
9	L117	SB279	○	WHEEL SPINDLE ROTATING SPEED CHANGE COMPLETE
8	L118	SB280	○	INDEX TABLE OK
7	L119	SB281		LATERAL LOCATING COMPLETE
6	L11A	SB282		LATERAL LOCATING FEELER CLOSED
5	L11B	SB283		LATERAL LOCATING INPROGRESS
4	L11C	SB284		LATERAL LOCATING OK
3	L11D	SB285		LATERAL LOCATOR RETRACTED END
2	L11E	SB286		LATERAL LOCATOR ADVANCED END
1	L11F	SB287		

NO.	TOYOPUC ADDRESS	SYSTEM VARIABLE	USE	CONTENTS
64	L120	SB288	○	MEMORY OF DATA CHECK COMPLETE
63	L121	SB289	○	WORK SELECT COMPLETE
62	L122	SB290	○	SETUP CHANGE COMPLETE
61	L123	SB291		SETUP CHANGE READY
60	L124	SB292	○	MEMORY OF 30MIN. STOP
59	L125	SB293		MEMORY OF POWER OFF/ON
58	L126	SB294	○	MEMORY OF SCANNING MACRO COMPLETE
57	L127	SB295	○	POSITION MEMORY COMPLETE
56	L128	SB296	○	ORIENT WORK SPINDLE
55	L129	SB297		PROFILE CYCLE STOP
54	L12A	SB298	○	WORK SPINDLE ROTATING
53	L12B	SB299	○	WORK HEAD RET. OK
52	L12C	SB300		
51	L12D	SB301	○	ONLY REST TRAVERSE
50	L12E	SB302		RIGHT REST RAPIDFEED RETRACTED END
49	L12F	SB303		RIGHT REST RAPIDFEED ADVANCED END
48	L130	SB304		CLAMP FOOTSTOCK CENTER
47	L131	SB305	○	FOOTSTOCK CENTER RETRACTED END
46	L132	SB306	○	FOOTSTOCK CENTER ADVANCED END
45	L133	SB307	○	CONFIRMATION PUSH FOOTSTOCK CENTER
44	L134	SB308	○	KEY RETRACT RIGHTEND
43	L135	SB309	○	KEY RETRACT LEFT END
42	L136	SB310		COVER OPENED END
41	L137	SB311		COVER CLOSED END
40	L138	SB312		ORIENT PHASE LOCATING COMPLETE
39	L139	SB313		PHASE LOCATING COMPLETE
38	L13A	SB314		
37	L13B	SB315		INSERT DRIVE PIN COMPLETE
36	L13C	SB316	○	CHUCK UNCLAMPED END
35	L13D	SB317	○	CHUCK CLAMPED END
34	L13E	SB318		LEFT REST RET'D
33	L13F	SB319		LEFT REST ADV'D

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ELENCO MACRO UTENTE GC32 TOYOPUC > CNC (2/2)

N.	INDIRIZZO TOYOPUC	VARIABILE DI SISTEMA	USO	CONTENUTO
96	L140	SB320	○	SEGNale DI RILEVAMENTO CONTATTO (PERNO)
95	L141	SB321	○	SEGNale DI RILEVAMENTO CONTATTO (RAVVIVATORE 1)
94	L142	SB322	○	SEGNale DI RILEVAMENTO CONTATTO (RAVVIVATORE 2)
93	L143	SB323		
92	L144	SB324		POSIZIONE ORIGINALE RIPARO ANTERIORE MOLA
91	L145	SB325		POSIZIONE LIBERA RIPARO ANTERIORE MOLA
90	L146	SB326		FINE AVANZ. RIPARO ANTERIORE MOLA
89	L147	SB327		
88	L148	SB328		SELEZIONE ASSE X
87	L149	SB329		SELEZIONE ASSE Z
86	L14A	SB330		SELEZIONE ASSI X, Z
85	L14B	SB331		TEMP. 4
84	L14C	SB332		
83	L14D	SB333		SEGNale DI MISURAZIONE 1P
82	L14E	SB334		SEGNale DI MISURAZIONE 2P
81	L14F	SB335		SEGNale DI MISURAZIONE 3P
80	L150	SB336		POSIZIONAMENTO LATERALE -NG
79	L151	SB337		POSIZIONAMENTO LATERALE OK
78	L152	SB338		POSIZIONAMENTO LATERALE +NG
77	L153	SB339		
76	L154	SB340		
75	L155	SB341		AUTOCALIBRATORE NORMALE
74	L156	SB342		POSIZIONE ORIGINALE AUTOCALIBRATORE
73	L157	SB343		SEGNale DI RICERCA DI CONTATTO AUTOCALIBRATORE CN
72	L158	SB344		SEGNale AUTOCALIBRATORE 1P
71	L159	SB345		SEGNale AUTOCALIBRATORE 2P
70	L15A	SB346		SEGNale AUTOCALIBRATORE 3P
69	L15B	SB347		SEGNale AUTOCALIBRATORE 4P
68	L15C	SB348		SEGNale AUTOCALIBRATORE 5P
67	L15D	SB349		SEGNale AUTOCALIBRATORE 6P
66	L15E	SB350		SEGNale AUTOCALIBRATORE 7P
65	L15F	SB351		

N.	INDIRIZZO TOYOPUC	VARIABILE DI SISTEMA	USO	CONTENUTO
128	L160	SB352		KMO ALTA VELOCITA
127	L161	SB353		KMO MEDIA VELOCITA
126	L162	SB354		KMO SELEZIONE ASSE X
125	L163	SB355		KMO SELEZIONE ASSE Z
124	L164	SB356		KMO SELEZIONE ASSE C
123	L165	SB357		KMO SELEZIONE ASSE B
122	L166	SB358		KMO SELEZIONE ASSE 'Y
121	L167	SB359		KMO SELEZIONE ASSE 'X
120	L168	SB360		CONICO NG
119	L169	SB361		CONICO -OK 2
118	L16A	SB362		CONICO -OK 1
117	L16B	SB363		CONICO OK
116	L16C	SB364		CONICO +OK1
115	L16D	SB365		CONICO +OK2
114	L16E	SB366		CONICO +NG
113	L16F	SB367		
112	L170	SB368		SELEZIONE TIPO MOLA 0:0100, 1:0350
111	L171	SB369		
110	L172	SB370		
109	L173	SB371		
108	L174	SB372		
107	L175	SB373		
106	L176	SB374		
105	L177	SB375		
104	L178	SB376		SEGNale DI AVVIO MANUALE
103	L179	SB377		
102	L17A	SB378		
101	L17B	SB379		
100	L17C	SB380		
99	L17D	SB381		
98	L17E	SB382		
97	L17F	SB383		

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GC32 USER MACRO LIST TOYOPUC → CNC (2/2)

NO.	TOYOPUC ADDRESS	SYSTEM VARIABLE	USE	CONTENTS
96	L140	SB320	○	CONTACT DETECTION SIGNAL (PIN)
95	L141	SB321	○	CONTACT DETECTION SIGNAL (TRUER 1)
94	L142	SB322	○	CONTACT DETECTION SIGNAL (TRUER 2)
93	L143	SB323		
92	L144	SB324		WHEEL FRONT GUARD HOME POSI.
91	L145	SB325		WHEEL FRONT GUARD FREE POSI.
90	L146	SB326		WHEEL FRONT GUARD ADV. END
89	L147	SB327		
88	L148	SB328		AXIS SELECT 'X
87	L149	SB329		AXIS SELECT 'Z
86	L14A	SB330		AXIS SELECT 'X, 'Z
85	L14B	SB331		TEMP. 4
84	L14C	SB332		
83	L14D	SB333		MESUREING SIGNAL 1P
82	L14E	SB334		MESUREING SIGNAL 2P
81	L14F	SB335		MESUREING SIGNAL 3P
80	L150	SB336		LATERAL LOCATING -NG
79	L151	SB337		LATERAL LOCATING OK
78	L152	SB338		LATERAL LOCATING +NG
77	L153	SB339		
76	L154	SB340		
75	L155	SB341		AUTO SIZER NORMAL
74	L156	SB342		AUTO SIZER HOME POSI.
73	L157	SB343		NC AUTO SIZER CONTACT SERCH SIGNAL
72	L158	SB344		AUTO SIZER SIGNAL 1P
71	L159	SB345		AUTO SIZER SIGNAL 2P
70	L15A	SB346		AUTO SIZER SIGNAL 3P
69	L15B	SB347		AUTO SIZER SIGNAL 4P
68	L15C	SB348		AUTO SIZER SIGNAL 5P
67	L15D	SB349		AUTO SIZER SIGNAL 6P
66	L15E	SB350		AUTO SIZER SIGNAL 7P
65	L15F	SB351		

NO.	TOYOPUC ADDRESS	SYSTEM VARIABLE	USE	CONTENTS
128	L160	SB352		KMO HIGH SPEED
127	L161	SB353		KMO MIDDLE SPEED
126	L162	SB354		KMO AXIS SELECT X
125	L163	SB355		KMO AXIS SELECT Z
124	L164	SB356		KMO AXIS SELECT C
123	L165	SB357		KMO AXIS SELECT B
122	L166	SB358		KMO AXIS SELECT 'Y
121	L167	SB359		KMO AXIS SELECT 'X
120	L168	SB360		TAPER -NG
119	L169	SB361		TAPER -OK 2
118	L16A	SB362		TAPER -OK 1
117	L16B	SB363		TAPER OK
116	L16C	SB364		TAPER +OK 1
115	L16D	SB365		TAPER +OK 2
114	L16E	SB366		TAPER +NG
113	L16F	SB367		
112	L170	SB368		WHEEL TYPE SELECT 0: φ 100, 1: φ 350
111	L171	SB369		
110	L172	SB370		
109	L173	SB371		
108	L174	SB372		
107	L175	SB373		
106	L176	SB374		
105	L177	SB375		
104	L178	SB376		MANUAL START SIGNAL
103	L179	SB377		
102	L17A	SB378		
101	L17B	SB379		
100	L17C	SB380		
99	L17D	SB381		
98	L17E	SB382		
97	L17F	SB383		

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		ELENCO MACRO UTENTE	05
DRAWING NO.		35-80777001	4/8
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ELENCO MACRO UTENTE GC32 CNC > TOYOPUC (1/2)

N.	INDIRIZZO TOYOPUC	VARIABILE DI SISTEMA	USO	CONTENUTO
32	L400	SB1024	○	CICLO DI RETTIFICA IN CORSO
31	L401	SB1025		RETTIFICA TRASVERSALE IN CORSO
30	L402	SB1026		PREVISIONE RETTIFICA COMPLETA
29	L403	SB1027		RICHIAMO TESTA PORTAMOLA IN CORSO
28	L404	SB1028		
27	L405	SB1029		
26	L406	SB1030		
25	L407	SB1031		
24	L408	SB1032	○	CICLO DI RIPASSATURA IN CORSO
23	L409	SB1033	○	ROTAZIONE RULLO DIAMANTATO AVVIATA
22	L40A	SB1034	○	DIAMETRO RULLO DIAMANTATO MINIMO
21	L40B	SB1035	○	PREVISIONE DIAMETRO RULLO DIAMANTATO MINIMO
20	L40C	SB1036	○	PERNO DI CONTATTO MINIMO (ASSE X)
19	L40D	SB1037	○	PREVISIONE PERNO DI CONTATTO MINIMO (ASSE X)
18	L40E	SB1038		DIAMETRO MINIMO RULLO RAVVIVATORE
17	L40F	SB1039		PREVISIONE DIAMETRO MINIMO RULLO RAVVIVATORE
16	L410	SB1040	○	MANDRINO PORTAMOLA SOVRACCARICO (AVANZAMENTO RAPIDO)
15	L411	SB1041	○	MANDRINO PORTAMOLA SOVRACCARICO (AVANZAMENTO RETTIFICA)
14	L412	SB1042		OSCILLAZIONE MANDRINO PORTAMOLA
13	L413	SB1043	○	CAMBIO VELOCITA MANDRINO PORTAMOLA 0: RETTIFICA; 1: RAVVIVATURA
12	L414	SB1044		PERNO DI CONTATTO MINIMO (ASSE U)
11	L415	SB1045		PREVISIONE PERNO DI CONTATTO MINIMO (ASSE U)
10	L416	SB1046	○	CAMBIO VELOCITA RULLO RAVVIVATORE 0: BASSA; 1: ALTA
9	L417	SB1047		
8	L418	SB1048	○	DIVISIONE TAVOLA IN CORSO
7	L419	SB1049	○	POSIZIONAMENTO LATERALE IN CORSO
6	L41A	SB1050	○	TRAVERSA DI LUNETTA IN CORSO
5	L41B	SB1051		
4	L41C	SB1052		
3	L41D	SB1053		
2	L41E	SB1054		
1	L41F	SB1055		

N.	INDIRIZZO TOYOPUC	VARIABILE DI SISTEMA	USO	CONTENUTO
64	L420	SB1056	○	CONTROLLO DATI COMPLETO
63	L421	SB1057	○	CALCOLO DATI DI RETTIFICA COMPLETO
62	L422	SB1058		CICLO DI RETTIFICA DI PROVA COMPLETO
61	L423	SB1059		MEMORIA CONTEGGIO DI INTERVALLO DI RAVVIVATURA PRIMA DI 1 PEZZO
60	L424	SB1060	○	MEMORIA DI POSIZIONE COMPLETA
59	L425	SB1061	○	MEMORIA POSIZIONE MOLA IN CORSO
58	L426	SB1062	○	MEMORIA POSIZIONE RULLO RAVVIVATORE IN CORSO
57	L427	SB1063	○	MEMORIA POSIZIONE PERNO DI CONTATTO IN CORSO
56	L428	SB1064		CONTROLLO ROTAZIONE PEZZO
55	L429	SB1065		AVANZ. MANDRINO PORTAPEZZO
54	L42A	SB1066		RICHIAMO MANDRINO PORTAPEZZO
53	L42B	SB1067		AVANZ. CENTRO CONTROPUNTA
52	L42C	SB1068		RICHIAMO CENTRO CONTROPUNTA
51	L42D	SB1069	○	CICLO DI CONTROLLO PERNO DI COMANDO
50	L42E	SB1070		
49	L42F	SB1071		
48	L430	SB1072	○	REFRIGERANTE INS.
47	L431	SB1073	○	LIMITE FLUSSO REFRIGERANTE INS.
46	L432	SB1074	○	REFRIGERANTE AD ALTA PRESSIONE INS. (SGROSSATURA)
45	L433	SB1075	○	REFRIGERANTE AD ALTA PRESSIONE INS. (FINE)
44	L434	SB1076		GETTO D'ARIA UGELLO REFRIGERANTE
43	L435	SB1077	○	REFRIGERANTE CARICO MOLA DIS.
42	L436	SB1078		
41	L437	SB1079		
40	L438	SB1080	○	COMPENSATORE USURA INS. (RULLO RAVVIVATORE)
39	L439	SB1081	○	COMPENSATORE USURA INS. (PERNO DI CONTATTO)
38	L43A	SB1082		SEGNALE CONICO INS.
37	L43B	SB1083		NEUTRALIZZ. MACRO INS.
36	L43C	SB1084	○	MEMORIA DI RILEVAMENTO DI CONTATTO (MEMORIA DI RAVVIVATURA)
35	L43D	SB1085		
34	L43E	SB1086		
33	L43F	SB1087		

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		ELENCO MACRO UTENTE	05
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		RC8077, RC8078	44

GC32 USER MACRO LIST CNC → TOYOPUC (1/2)

NO.	TOYOPUC ADDRESS	SYSTEM VARIABLE	USE	CONTENTS
32	L400	SB1024	○	GRINDING CYCLE INPROGRESS
31	L401	SB1025		TRAVERSE GRINDING INPROGRESS
30	L402	SB1026		GRINDING COMPLETE FORECAST
29	L403	SB1027		WHEEL HEAD RETRACTING INPROGRESS
28	L404	SB1028		
27	L405	SB1029		
26	L406	SB1030		
25	L407	SB1031		
24	L408	SB1032	○	DRESSING CYCLE INPROGRESS
23	L409	SB1033	○	DIAMOND ROLL ROTATING START
22	L40A	SB1034	○	DIAMOND ROLL DIAMETER MINIMUM
21	L40B	SB1035	○	DIAMOND ROLL DIAMETER MINIMUM FORECAST
20	L40C	SB1036	○	CONTACT PIN MINIMUM (X-AXIS)
19	L40D	SB1037	○	CONTACT PIN MINIMUM FORECAST (X-AXIS)
18	L40E	SB1038		DRESS ROLL DIAMETER MINIMUM
17	L40F	SB1039		DRESS ROLL DIAMETER MINIMUM FORECAST
16	L410	SB1040	○	WHEEL SPINDLE OVER LOAD (RAPID FEED)
15	L411	SB1041	○	WHEEL SPINDLE OVER LOAD (GRINDING FEED)
14	L412	SB1042		WHEEL SPINDLE OSCILLATION
13	L413	SB1043	○	WHEEL SPINDLE SPEED CHANGE 0:GRINDING 1:TRUING
12	L414	SB1044		CONTACT PIN MINIMUM (U-AXIS)
11	L415	SB1045		CONTACT PIN MINIMUM FORECAST (U-AXIS)
10	L416	SB1046	○	TRUING ROLL SPEED CHANGE 0:LOW 1:HIG
9	L417	SB1047		
8	L418	SB1048	○	INDEX TABLE INPROGRESS
7	L419	SB1049	○	LATERAL LOCATING INPROGRESS
6	L41A	SB1050	○	REST TRAVERSE INPROGRESS
5	L41B	SB1051		
4	L41C	SB1052		
3	L41D	SB1053		
2	L41E	SB1054		
1	L41F	SB1055		

NO.	TOYOPUC ADDRESS	SYSTEM VARIABLE	USE	CONTENTS
64	L420	SB1056	○	DATA CHECK COMPLETE
63	L421	SB1057	○	GRIND.DATA CALCULATE COMPLETE
62	L422	SB1058		TEST GRINDING CYCLE COMPLETE
61	L423	SB1059		MEMORY OF TRUING INTERVAL COUNTER COUNTUP BEFORE 1 PIECE
60	L424	SB1060	○	POSITION MEMORY COMPLETE
59	L425	SB1061	○	WHEEL POSITION MEMORY INPROGRESS
58	L426	SB1062	○	TRUING ROLL POSITION MEMORY INPROGRESS
57	L427	SB1063	○	CONTACT PIN POSTON MEMORY INPROGRESS
56	L428	SB1064		WORK ROTATING CHECK
55	L429	SB1065		WORK SPINDLE ADVANCE
54	L42A	SB1066		WORK SPINDLE RETURN
53	L42B	SB1067		FOOTSTOCK CENTER ADVANCE
52	L42C	SB1068		FOOTSTOCK CENTER RETURN
51	L42D	SB1069	○	DRIVE PIN CHECK CYCLE
50	L42E	SB1070		
49	L42F	SB1071		
48	L430	SB1072	○	COOLANT ON
47	L431	SB1073	○	COOLANT FLOW LIMIT ON
46	L432	SB1074	○	HIGH PRESSURE COOLANT ON (ROUGH)
45	L433	SB1075	○	HIGH PRESSURE COOLANT ON (FINE)
44	L434	SB1076		COOLANT NOZZLE AIRBLOW
43	L435	SB1077	○	WHEEL LOAD COOLANT OFF
42	L436	SB1078		
41	L437	SB1079		
40	L438	SB1080	○	GAP ELIMINATOR ON (TRUING ROLL)
39	L439	SB1081	○	GAP ELIMINATOR ON (CONTACT PIN)
38	L43A	SB1082		TAPER SIGNAL ON
37	L43B	SB1083		MACRO OVERRIDE ON
36	L43C	SB1084	○	CONTACT DETECTION MEMORY (TRUING MEMORY)
35	L43D	SB1085		
34	L43E	SB1086		
33	L43F	SB1087		

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		ELECO MACRO UTENTE	05
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		RC8077, RC8078	45

ELENCO MACRO UTENTE GC32 CNC > TOYOPUC (2/2)

N.	INDIRIZZO TOYOPUC	VARIABILE DI SISTEMA	USO	CONTENUTO
96	L440	SB1088		POSIZIONAMENTO FASE IN CORSO
95	L441	SB1089	○	DIVISIONE FASE IN CORSO
94	L442	SB1090	○	CICLO INSERIMENTO PERNO DI COMANDO IN CORSO
93	L443	SB1091	○	POSIZIONE MANDRINO PORTAPEZZO HOME
92	L444	SB1092		
91	L445	SB1093		
90	L446	SB1094		
89	L447	SB1095		
88	L448	SB1096		LIMITE CORRENTE INS.
87	L449	SB1097	○	CALCOLO DATI PROFILO IN CORSO
86	L44A	SB1098		EFFETTO MANOPOLA (GCH, GCW, GCS)
85	L44B	SB1099		EFFETTO MANOPOLA
84	L44C	SB1100		CONTEGGIO TEMPO UTENTE
83	L44D	SB1101		
82	L44E	SB1102		
81	L44F	SB1103		
80	L450	SB1104		DIVISIONE AUTOCALIBRATORE CN COMPLETA
79	L451	SB1105		MASTERING AUTOCALIBRATORE CN COMPLETO
78	L452	SB1106		PRESENZA CHIAVE DI COMANDO
77	L453	SB1107		INTERBLOCCAGGIO AUTOCALIBRATORE CN
76	L454	SB1108		CALIBRAZIONE DIRETTA O INDIRETTA
75	L455	SB1109	○	RETTIFICA PEZZO CON MANDRINO
74	L456	SB1110		
73	L457	SB1111		
72	L458	SB1112		
71	L459	SB1113	○	SCANSIONE MACRO IN CORSO UNITA E
70	L45A	SB1114	○	SCANSIONE MACRO COMPLETA F
69	L45B	SB1115		
68	L45C	SB1116		
67	L45D	SB1117		
66	L45E	SB1118		
65	L45F	SB1119		

N.	INDIRIZZO TOYOPUC	VARIABILE DI SISTEMA	USO	CONTENUTO
128	L460	SB1120		DIAMETRO MOLA 1
127	L461	SB1121		DIAMETRO MOLA 2
126	L462	SB1122		DIAMETRO MOLA 3
125	L463	SB1123		CONTROLLO DATI COMPLETO (PER CICLO DI RIPASSATURA)
124	L464	SB1124		
123	L465	SB1125		
122	L466	SB1126	○	TAGLIO VIA DI COMANDO
121	L467	SB1127	○	CHIAVE VIA DI COMANDO
120	L468	SB1128		SELEZIONE PERNO DI TRASMISSIONE (CON VERIFICA)
119	L469	SB1129		SELEZIONE PERNO DI COMANDO (SENZA VERIFICA)
118	L46A	SB1130		SELEZIONE CICLO DI RIPASSATURA (CON VERIFICA)
117	L46B	SB1131		SELEZIONE CICLO DI RIPASSATURA (SENZA VERIFICA)
116	L46C	SB1132		VERIFICA ANOMALIE COMPLETATA
115	L46D	SB1133		DISCRIMINAZIONE PEZZO (SPECIALE)
114	L46E	SB1134		DISCRIMINAZIONE PEZZO (NON COLLEGATA)
113	L46F	SB1135		
112	L470	SB1136		SELEZIONE MISURA AUTOCALIBRATORE BIT 1
111	L471	SB1137		SELEZIONE MISURA AUTOCALIBRATORE BIT 2
110	L472	SB1138		SELEZIONE MISURA AUTOCALIBRATORE BIT 3
109	L473	SB1139		SELEZIONE MISURA AUTOCALIBRATORE BIT 4
108	L474	SB1140		SELEZIONE MISURA AUTOCALIBRATORE BIT 5
107	L475	SB1141		SELEZIONE MISURA AUTOCALIBRATORE BIT 6
106	L476	SB1142		SELEZIONE MISURA AUTOCALIBRATORE BIT 7
105	L477	SB1143		SELEZIONE MISURA AUTOCALIBRATORE BIT 8
104	L478	SB1144		
103	L479	SB1145		
102	L47A	SB1146		SEGNALE DI AVVIO MANUALE
101	L47B	SB1147		
100	L47C	SB1148		
99	L47D	SB1149		
98	L47E	SB1150		
97	L47F	SB1151		

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		ELENCO MACRO UTENTE	05
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		RC8077, RC8078	46

GC32 USER MACRO LIST CNC → TOYOPUC (2/2)

NO.	TOYOPUC ADDRESS	SYSTEM VARIABLE	USE	CONTENTS
96	L440	SB1088		PHASE LOCATING INPROGRESS
95	L441	SB1089	○	PHASE INDEX INPROGRESS
94	L442	SB1090	○	DRIVE PIN IN CYCLE INPROGRESS
93	L443	SB1091	○	WORK SPINDLE HOME POSITION
92	L444	SB1092		
91	L445	SB1093		
90	L446	SB1094		
89	L447	SB1095		
88	L448	SB1096		CURRENT LIMIT ON
87	L449	SB1097	○	PROFILE DATA CALCULATE INPROGRESS
86	L44A	SB1098		HANDLE EFFECT (GCH, GCW, GCS)
85	L44B	SB1099		HANDLE EFFECT
84	L44C	SB1100		USER TIME COUNT
83	L44D	SB1101		
82	L44E	SB1102		
81	L44F	SB1103		
80	L450	SB1104		NC AUTO SIZER INDEX COMPLETE
79	L451	SB1105		NC AUTO SIZER MASTERING COMPLETE
78	L452	SB1106		EXISTENCE OF DRIVE KEY
77	L453	SB1107		NC AUTO SIZER INTERLOCK
76	L454	SB1108		DIRECT SIZEING OR INDIRECT SIZEING
75	L455	SB1109	○	CHUCK PART GRINDING
74	L456	SB1110		
73	L457	SB1111		
72	L458	SB1112		
71	L459	SB1113	○	SCANNING MACRO RUNNING INPROGRESS UNIT E
70	L45A	SB1114	○	SCANNING MACRO COMPLETE F
69	L45B	SB1115		
68	L45C	SB1116		
67	L45D	SB1117		
66	L45E	SB1118		
65	L45F	SB1119		

NO.	TOYOPUC ADDRESS	SYSTEM VARIABLE	USE	CONTENTS
128	L460	SB1120		WHEEL DIAMETER 1
127	L461	SB1121		WHEEL DIAMETER 2
126	L462	SB1122		WHEEL DIAMETER 3
125	L463	SB1123		DATA CHECK COMPLETE (FOR DRESS CYCLE)
124	L464	SB1124		
123	L465	SB1125		
122	L466	SB1126	○	DRIVE WAY SLIT
121	L467	SB1127	○	DRIVE WAY KEY
120	L468	SB1128		DRIVE PIN SELECT (CHECK)
119	L469	SB1129		DRIVE PIN SELECT (NO CHECK)
118	L46A	SB1130		DRESS CYCLE SELECT (CHECK)
117	L46B	SB1131		DRESS CYCLE SELECT (NO CHECK)
116	L46C	SB1132		MISTAKE CHECK COMPLETE
115	L46D	SB1133		WORK DISCRIMINATION (SPECIAL)
114	L46E	SB1134		WORK DISCRIMINATION (NOT ATTACHED)
113	L46F	SB1135		
112	L470	SB1136		AUTO SIZER SIZE SELECT BIT 1
111	L471	SB1137		AUTO SIZER SIZE SELECT BIT 2
110	L472	SB1138		AUTO SIZER SIZE SELECT BIT 3
109	L473	SB1139		AUTO SIZER SIZE SELECT BIT 4
108	L474	SB1140		AUTO SIZER SIZE SELECT BIT 5
107	L475	SB1141		AUTO SIZER SIZE SELECT BIT 6
106	L476	SB1142		AUTO SIZER SIZE SELECT BIT 7
105	L477	SB1143		AUTO SIZER SIZE SELECT BIT 8
104	L478	SB1144		
103	L479	SB1145		
102	L47A	SB1146		MANUAL START SIGNAL
101	L47B	SB1147		
100	L47C	SB1148		
99	L47D	SB1149		
98	L47E	SB1150		
97	L47F	SB1151		

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ELENCO DI CODICE M

N. M	USO	CONTENUTO	N. M	USO	CONTENUTO
M00		ARRESTO PROGRAMMA	M30		FINE NASTRO
M01		ARRESTO OPTIONAL	M31		RIPETI PROGRAMMA
M02	○	FINE PROGRAMMA	M32		AVANZ. UGELLO REFRIGERANTE
M03	○	AVVIO MANDRINO PORTAPEZZO (SENSO ORARIO)	M33		RICHIAMO UGELLO REFRIGERANTE
M04		AVVIO MANDRINO PORTAPEZZO (SENSO ANTIORARIO)	M34	○	LIMITE CORRENTE ASSE B E Y INS.
M05	○	ARRESTO MANDRINO PORTAPEZZO	M35		BLOCCAGGIO CILINDRO CONTROPUNTA / INNESTO CONTROPUNTA DIS. / RITORNO FRENO
M06	○	MEMORIA POSIZIONE COMPLETA	M36		OSCILLAZIONE INS. / SPINA LUNETTA CN INSERITA
M07		REFRIGERANTE 2 INS.	M37		OSCILLAZIONE DIS. / SPINA LUNETTA CN DISINS.
M08		REFRIGERANTE 1 INS.	M38		AVANZ. SPINGITORE E CENTRO CONTROPUNTA
M09		REFRIGERANTE DIS.	M39		RICHIAMO SPINGITORE E CENTRO CONTROPUNTA
M10	○	MANDRINO BLOCCATO / ALTA PRESSIONE BLOCCATA / GIREVOLE TESTA PORTAMOLA SBLOCCATA	M40	○	RETTIFICA COMPLETA
M11		PRESSIONE MANDRINO DIS. / BASSA PRESSIONE BLOCCATA / GIREVOLE TESTA PORTAMOLA SBLOCCATA	M41		AVANZ. LUNETTA DESTRA
M12		REFRIGERANTE DIS. - ARRESTO MANDRINO PORTAPEZZO - RITORNO AUTOCALIBRATORE - RITORNO LUNETTA	M42		AVANZ. PRIMO PATTINO DESTRO
M13		AUTOCALIBRATORE 3 AVANTI	M43		
M14		AUTOCALIBRATORE 2 AVANTI	M44		
M15		AUTOCALIBRATORE 1 AVANTI	M45		
M16		AUTOCALIBRATORE INDIETRO	M46	○	AZZERAMENTO MEMORIA DI POSIZIONE
M17		POSIZIONAMENTO LATERALE E AUTOCALIBRATORE AVANTI	M47		
M18		POSIZIONAMENTO LATERALE E AUTOCALIBRATORE INDIETRO	M48		
M19		ORIENTAMENTO MANDRINO PORTAPEZZO	M49		
M20		CONTEGGIO CONTATORE MODIFICA DIAMETRO	M50	○	TRAVERSA DI LUNETTA SU POSIZIONE RETTIFICA
M21			M51	○	TRAVERSA DI LUNETTA SU POSIZIONE ORIGINALE
M22		AVVIO RULLO DIAMANTATO	M52		AVVIO RIPASSATURA
M23		ARRESTO RULLO DIAMANTATO	M53		AVVIO OSCILLAZIONE
M24	○	LUNETTA AVANTI	M54		AVVIO CICLO DI RITORNO
M25	○	LUNETTA INDIETRO	M55		AVVIO ORIENT. MANDRINO PORTAPEZZO
M26	○	BLOCCAGGIO TRAVERSA DI LUNETTA	M56		ORIENT. MANDRINO PORTAPEZZO INS. DURANTE L'IMPOSTAZIONE
M27	○	SBLOCCAGGIO TRAVERSA DI LUNETTA	M57		INSERIMENTO PERNO DI COMANDO COMPLETO
M28		PATTINO RICHIAMO	M58	○	POSIZIONAMENTO LATERALE COMPLETO
M29		COMPENSAZIONE RIPARO ANTERIORE MOLA	M59	○	CONTROLLO DATI COMPLETO

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M CODE LIST

M NO.	USE	CONTENTS	M NO.	USE	CONTENTS
M00		STOP PROGRAM	M30		END OF TAPE
M01		OPTIONAL STOP	M31		REPEAT PROGRAM
M02	○	END OF PROGRAM	M32		ADV. COOLANT NOZZLE
M03	○	START WORK SP. (C.W.)	M33		RET. COOLANT NOZZLE
M04		START WORK SP. (C.C.W.)	M34	○	B&'Y-AXIS CURRENT LIMIT ON
M05	○	STOP WORK SP.	M35		FOOTSTOCK RAM CLAMP/ FOOTSTOCK CRUTCH OFF/RET. BRAKE
M06	○	POSITION MEMORY COMPLETE	M36		OSCILLATION ON/NC STEADY REST KNOCK IN
M07		COOLANT ON 2	M37		OSCILLATION OFF/NC STEADY REST KNOCK OUT
M08		COOLANT ON 1	M38		ADV. PUSHER&FOOTSTOCK CENTER
M09		COOLANT OFF	M39		RET. RUSHER&FOOTSTOCK CENTER
M10	○	CLAMP CHUCK/CLAMP HIGH PRESS. /CLAMP WHEEL HEAD SWIVEL	M40	○	GRINDING COMPLETE
M11		CHUCK PRESS. OFF/CLAMP LOW PRESS. /UNCLAMP WHEEL HEAD SWIVEL	M41		ADV. RIGHT REST
M12		COOLANT OFF -STOP WORK SP. -RET. AUTO SIZER- RET. REST	M42		ADV. RIGHT 1'ST SHOE
M13		ADV. AUTO SIZER 3	M43		
M14		ADV. AUTO SIZER 2	M44		
M15		ADV. AUTO SIZER 1	M45		
M16		RET. AUTO SIZER	M46	○	POSITION MEMORY RESET
M17		ADV. LATERAL LOCATING&AUTO SIZER	M47		
M18		RET. LATERAL LOCATING&AUTO SIZER	M48		
M19		ORIENT WORK SP.	M49		
M20		DIA. CHANGE COUNTER COUNT	M50	○	REST TRAVERSE GRINDING POSI.
M21			M51	○	REST TRAVERSE HOME POSI.
M22		START DIAMOND ROLL	M52		START DRESSING
M23		STOP DIAMOND ROLL	M53		START OSCILLATION
M24	○	ADV. REST	M54		START RETURN CYCLE
M25	○	RET. REST	M55		START ORIENT WORK SP.
M26	○	REST TRAVERSE CLAMP	M56		ORIENT WORK SP. ON AT SET-UP
M27	○	REST TRAVERSE UNCLAMP	M57		DRIVE PIN IN COMPLETE
M28		RET. SHOE	M58	○	LATERAL LOCATING COMPLETE
M29		COMPENSATE WHEEL FRONT COVER	M59	○	DATA CHECK COMPLETE

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		ELENCO CODE M	06
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CONTROLLO PSW

NOME ASSE	VARIABILE DI SISTEMA	INDIRIZZO TOYOPUC	INDIRIZZO POSIZIONE INS.	INDIRIZZO POSIZIONE DIS.	NOME	COLLEGATO	CONTENUTO
TESTA PORTAMOLA X	SB1152	L480	A150	A151	(A1)	☐	POSIZIONE ORIGINALE
	SB1153	L481	B100	B101	(B1)	☐	POSIZ. ORIGINALE RETTIFICA
	SB1154	L482	B102	B103	(B3)	☐	POSIZ. LOCALIZZAZIONE LATERALE
	SB1155	L483	B140	B141	(B7)	☐	POSIZ. DIVISIONE TAVOLA
	SB1156	L484	B138	B139	(B4)	☐	POSIZ. AVANZ. & RICHIAMO POSIZIONATORE LATERALE
	SB1157	L485					
	SB1158	L486					
	SB1159	L487					
TAVOLA Z	SB1160	L488					
	SB1161	L489	B106	B107	(B2)	☐	POSIZIONE ORIGINALE
	SB1162	L48A	B108	B109	(B4)		POSIZ. SCARICO
	SB1163	L48B	B112	B113	(B5)		POSIZ. SPOSTAMENTO CARICO
	SB1164	L48C	B114	B115	(B6)		POSIZ. SPOSTAMENTO SCARICO
	SB1165	L48D	B110	B111	(B3)	☐	POSIZ. LOCALIZZAZIONE LATERALE
	SB1166	L48E	C132	C133	(C1)	☐	POSIZ. RETTIFICA
	SB1167	L48F	B116	B117	(B7)		POSIZ. RILEVAMENTO CONTATTO 1
	SB1168	L490	B118	B119	(B8)		POSIZ. RILEVAMENTO CONTATTO 2
	SB1169	L491	A154	A155	(A2)		POSIZ. REGOLAZIONE TAVOLA
CENTRO CONTROPUNTA B	SB1170	L492	A180	A181	(A6)		MEMORIA POSIZ. DIAMETRO MOLA
	SB1171	L493					
	SB1172	L494	A158	A159	(A1)		POSIZ. ORIGINALE
	SB1173	L495	B120	B121	(B1)	☐	POSIZ. RETTIFICA (B)
	SB1174	L496	B122	B123	(B7)	☐	POSIZIONE AVANZAMENTO
	SB1175	L497	B124	B125	(B8)	☐	POSIZ. ADDIZIONE PRESSIONE (B)
	SB1176	L498	A174	A175	(A3)		POSIZ. ORIGINALE RETTIFICA (A)
	SB1177	L499	A176	A177	(A4)		POSIZ. AVANZAMENTO (A)
MANDRINO PORTAPEZZO C	SB1178	L49A	A178	A179	(A5)		SOVRACORSA
	SB1179	L49B	B126	B127	(B6)		POSIZ. SPOSTAMENTO LUNETTA OK
	SB1180	L49C	B128	B129	(B2)	☐	POSIZIONE ORIGINALE
	SB1181	L49D	B130	B131	(B3)	☐	CONFERMA DIFFETTO ROTAZIONE
V REST	SB1182	L49E	C134	C135	(C1)		POSIZ. MISURA AUTOCALIBRATORE
	SB1183	L49F					
	SB1184	L4A0	A164	A165	(A1)	☐	HOME POSITION
'X REST TRAVERSE (RIGHT)	SB1185	L4A1	B134	B135	(B1)	☐	GRINDING HOME POSI.
	SB1186	L4A2					
	SB1187	L4A3	B136	B137	(B2)	☐	HOME POSITION
	SB1188	L4A4	B112	B113	(B3)	☐	WORK CLAMP POSI.
'Y WORK HEAD	SB1189	L4A5	C130	C131	(C1)	☐	GRINDING POSI.
	SB1190	L4A6					
	SB1191	L4A7	A170	A171	(A1)		HOME POSITION
'Z REST TRAVERSE (LEFT)	SB1192	L4A8	B144	B145	(B7)	☐	ADVANCE POSI. (B)
	SB1193	L4A9	B142	B143	(B8)	☐	GRINDING HOME POSI. (B)
	SB1194	L4AA	A172	A173	(A3)		GRINDING HOME POSI (A)
	SB1195	L4AB	B138	B139	(B2)	☐	HOME POSITION
	SB1196	L4AC	B114	B115	(B3)	☐	WORK CLAMP POSI.
	SB1197	L4AD	C123	C124	(C1)	☐	HOME POSITION
	SB1198	L4AE					
	SB1199	L4AF					

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PSW INSPECTION

AXIS NAME	SYSTEM VARIABLE	TOYOPUC ADDRESS	POSI. ON ADDRESS	POSI. OFF ADDRESS	NAME	ATTACH	CONTENTS
X WHEEL HEAD	SB1152	L480	A150	A151	(A1)	○	HOME POSITION
	SB1153	L481	B100	B101	(B1)	○	GRINDING HOME POSI.
	SB1154	L482	B102	B103	(B3)	○	LATERAL LOCATING POSI.
	SB1155	L483	B140	B141	(B7)	○	TABLE INDEX POSI.
	SB1156	L484	B138	B139	(B4)	○	LATERAL LOCATOR ADV. & RET. POSI.
	SB1157	L485					
	SB1158	L486					
	SB1159	L487					
	SB1160	L488					
Z TABLE	SB1161	L489	B106	B107	(B2)	○	HOME POSITION
	SB1162	L48A	B108	B109	(B4)		UNLOADING POSI.
	SB1163	L48B	B112	B113	(B5)		LOADING SHIFT POSI.
	SB1164	L48C	B114	B115	(B6)		UNLOADING SHIFT POSI.
	SB1165	L48D	B110	B111	(B3)	○	LATERAL LOCATING POSI.
	SB1166	L48E	C132	C133	(C1)	○	GRINDING POSI.
	SB1167	L48F	B116	B117	(B7)		CONTACT DETECTION POSI. 1
	SB1168	L490	B118	B119	(B8)		CONTACT DETECTION POSI. 2
	SB1169	L491	A154	A155	(A2)		TABLE ADJUST POSI.
	SB1170	L492	A180	A181	(A6)		WHEEL DIA. POSI. MEMORY
	SB1171	L493					
B FOOTSTOCK CENTER	SB1172	L494	A158	A159	(A1)		HOME POSITION
	SB1173	L495	B120	B121	(B1)	○	GRINDING HOME POSI. (B)
	SB1174	L496	B122	B123	(B7)	○	ADVANCE POSITION (B)
	SB1175	L497	B124	B125	(B8)	○	PRESSURE ADD POSI. (B)
	SB1176	L498	A174	A175	(A3)		GRINDING HOME POSI (A)
	SB1177	L499	A176	A177	(A4)		ADVANCE POSI. (A)
	SB1178	L49A	A178	A179	(A5)		OVER TRAVEL
	SB1179	L49B	B126	B127	(B6)		REST SHIFT OK POSI.
C WORK SPINDLE	SB1180	L49C	B128	B129	(B2)	○	HOME POSITION
	SB1181	L49D	B130	B131	(B3)	○	ROTATION FAULT CONFIRM.
	SB1182	L49E	C134	C135	(C1)		AUTO SIZER MESURE POSI.
	SB1183	L49F					
~~V REST~~	~~SB1184~~	~~L4A0~~	~~A164~~	~~A165~~	~~(A1)~~	~~○~~	~~HOME POSITION~~
	~~SB1185~~	~~L4A1~~	~~B134~~	~~B135~~	~~(B1)~~	~~○~~	~~GRINDING HOME POSI.~~
	~~SB1186~~	~~L4A2~~					
~~' X REST TRAVERSE (RIGHT)~~	~~SB1187~~	~~L4A3~~	~~B136~~	~~B137~~	~~(B2)~~	~~○~~	~~HOME POSITION~~
	~~SB1188~~	~~L4A4~~	~~B112~~	~~B113~~	~~(B3)~~	~~○~~	~~WORK CLAMP POSI.~~
	~~SB1189~~	~~L4A5~~	~~C130~~	~~C131~~	~~(C1)~~	~~○~~	~~GRINDING POSI.~~
	~~SB1190~~	~~L4A6~~					
' Y WORK HEAD	SB1191	L4A7	A170	A171	(A1)		HOME POSITION
	SB1192	L4A8	B144	B145	(B7)	○	ADVANCE POSI. (B)
	SB1193	L4A9	B142	B143	(B8)	○	GRINDING HOME POSI. (B)
	SB1194	L4AA	A172	A173	(A3)		GRINDING HOME POSI (A)
~~' Z REST TRAVERSE (LEFT)~~	~~SB1195~~	~~L4AB~~	~~B138~~	~~B139~~	~~(B2)~~	~~○~~	~~HOME POSITION~~
	~~SB1196~~	~~L4AC~~	~~B114~~	~~B115~~	~~(B3)~~	~~○~~	~~WORK CLAMP POSI.~~
	~~SB1197~~	~~L4AD~~	~~C123~~	~~C124~~	~~(C1)~~	~~○~~	~~HOME POSITION~~
	~~SB1198~~	~~L4AE~~					
	~~SB1199~~	~~L4AF~~					

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MAPPA INDIRIZZI DI REGISTRO COLLEGAMENTI E DATI (1/3) DATA&LINK REGISTER ADDRESS MAP (1/3)

TOYOPUC PC2J&PC3J
PLC 48 INCORPORATO CON CNC
CNC RUILT-IN PLC48

USO Use	INDIRIZZO DI REG. Reg. Address	CONTENUTO Content	DATI, VALORE DECIMALE Dec, value	INPUT MONITOR I/O Input I/O monitor
	D0000	IMPOSTAZIONE CARICATORE (1 = CARICATORE IN USO; 0 = CARICATORE NON IN USO) Loader Setting (1=Loader use 0=Loader not use)		○
	D0001	INVERTITORE MANDRINO PORTAMOLA 1. VELOCITA (IMPOSTAZIONE 8 BIT) Wheel Spindle Inverter 1st speed(8Bit set)		○
	D0002	INVERTITORE MANDRINO PORTAMOLA 2. VELOCITA (IMPOSTAZIONE 8 BIT) Wheel Spindle Inverter 2nd speed(8Bit set)		○
	D0003	INVERTITORE MANDRINO PORTAMOLA 3. VELOCITA (IMPOSTAZIONE 8 BIT) Wheel Spindle Inverter 3rd speed(8Bit set)		○
	D0004	INVERTITORE MANDRINO PORTAMOLA 4. VELOCITA (IMPOSTAZIONE 8 BIT) Wheel Spindle Inverter 4th speed(8Bit set)		○
	D0005	INVERTITORE MANDRINO PORTAMOLA VELOCITA RIPASSATURA (IMPOSTAZIONE 8 BIT) Wheel Spindle Inverter Dress Speed(8Bit set)		○
	D0006			
	D0007			

○	D0010	IMPOSTAZIONE CICLO DI PROVA CONTINUO (1 = CICLO DI PROVA IN USO; 0 = CICLO DI PROVA NON IN USO) Conti. Test Cycle Setting (1=Test Cycle use 0=Test Cycle not use)		○
○	D0011	IMPOSTAZIONE CICLO DI PROVA AUTOMATICO (1 = CICLO DI PROVA IN USO; 0 = CICLO DI PROVA NON IN USO) Auto Test Cycle Setting (1=Test Cycle use 0=Test Cycle not use)		○
	D0012	NEUTRALLIZ. PER MC1K (1 = IN USO; 0 = NON IN USO) OVERRIDE For MC1K(1= use. 0= not use)		○
	D0020	TEMPERATURA REFRIGERANTE COOLANT TEMPERATURE		X

○	D0070	TEMPERATURA DI RISCALDAMENTO MANDRINO PORTAMOLA WHEEL SPINDLE WARM UP TEMPERATURE	d	○
○	D0071	DATI MANDRINO PORTAMOLA (PER TEMPERATURA ECC.) WHEEL SPINDLE DATA (FOR TEMPERATURE ETC.)		X
○	D0072	MEMORIA A NUMERO FISSO (PER IMPOSTAZIONE) FIXED NUMBER MEMORY (FOR SET UP)		X
○	D0073	DATI MANDRINO PORTAMOLA (PER TEMPERATURA) WHEEL SPINDLE DATA (FOR TEMPERATURE)		X
○	D0074	MEMORIA A NUMERO FISSO (PER IMPOSTAZIONE) FIXED NUMBER MEMORY (FOR SET UP)		X
○	D0075	DATI DI RISCALDAMENTO MANDRINO PORTAMOLA (PER TEMPERATURA) WHEEL SPINDLE WARM UP DATA (FOR TEMPERATURE)		X
○	D0076	DATI RISCALDAMENTO MANDRINO PORTAMOLA 1 (PER DIFFERENZIALI DI TEMPERATURA) WHEEL SPINDLE WARM UP DATA 1 (FOR TEMPERATURE DIFFERENTIALS)		X
○	D0077	DATI RISCALDAMENTO MANDRINO PORTAMOLA 2 (PER DIFFERENZIALI DI TEMPERATURA) WHEEL SPINDLE WARM UP DATA 2 (FOR TEMPERATURE DIFFERENTIALS)		X
○	D0078	TEMPERATURA MANDRINO PORTAMOLA WHEEL SPINDLE TEMPERATURE		X
○	D0079	RESIDUO REMAINDER		X
○	D0080	BCD TEMPERATURA MANDRINO PORTAMOLA (PER MONITOR) WHEEL SPINDLE TEMPERATURE BCD (FOR MONITOR)		X

* IMPOSTARE 65D IN D0070 DURANTE IL CICLO DI PROVA. VERIFICARE LA TEMPERATURA RILEVATA (D0080) IN UN CICLO DI RETTIFICA CONTINUA ED IMPOSTARE NUOVAMENTE IL VALORE.
Under D0080 Set 65d at D0070 during test operation. Check the monitored temperature (D0080) in a continuous grinding cycle and set again.

	D0100	POSIZIONE DIVISIONE DI CARRELLO E BRACCIO (MC1K) Carry & Arm Index Posi. (MC1K)	--	X
	D0101	IMPOSTAZIONE DATI PEZZO (MC1K) Part Data Set (MC1K)	--	X
	D0102	IMPOSTAZIONE MEMORIA CODICE DI ERRORE Error Code Memory Set	--	X
	D0103			
	D0104			
	D0105	MEMORIA N. PEZZO (PER CAMBIO TIPO) Part No. Memory (For Set Up)	--	X
	D0106	MEMORIA NUMERO FISSO (PER CAMBIO TIPO) Fixed Number Memory (For Set Up)	--	X
	D0107			

I VALORI INDICATI NELLA TABELLA SONO IN DECIMALI. INDICARE I VALORI NEL REGISTRO D CON IL METODO INDICATO DI SEGUITO.
- PER INSERIRE I DATI ATTRAVERSO IL MONITOR TOYOPUC-PC2 (J), SELEZIONARE LA MODALITA DI INSERIMENTO IN DECIMALI UTILIZZANDO IL TASTO "CODE" (VIENE VISUALIZZATA UNA "d"), QUINDI INSERIRE IL VALORE.
- PER INSERIRE I DATI UTILIZZANDO IL VISORE AL PLASMA GC32, CONVERTIRE I VALORI DI CUI SOPRA IN ESADECIMALI ED INSERIRLI. IN QUANTO GC32 ACCETTA SOLTANTO VALORI ESADECIMALI.

Under D0107 Values in the table are decimal. Enter the values in the D register in the following method.
- To enter through the TOYOPUC-PC2 (J) monitor, select the decimal entry mode using the "CODE" key ("d" is displayed), then enter the value.
- To enter through the GC32 plasma display, convert the above values into hexadecimal and enter them because GC32 accepts only hexadecimal values.

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MAPPA INDIRIZZI DI REGISTRO COLLEGAMENTI E DATI (2/3)
DATA&LINK REGISTER ADDRESS MAP (2/3)
TOYOPUC PC2J&PC3J
PLC 48 INCORPORATO CON CNC
CNC RUILT-IN PLC48

USO Use	INDIRIZZO DI REG. Reg. Address	CONTENUTO Content	DATI, VALORE DECIMALE Dec, value	INPUT MONITOR I/O Input i/o monitor
	D0200	CALCOLO N. PROGRESSO CN (N. FISSO, 3FF) NC PROGRESS NO, CALCULATION(FIXED NO, 3FF)	--	X
	D0201	CALCOLO N. PROGRESSO CN (DATI MASCHERA) NC PROGRESS NO, CALCULATION(MASK DATA)	--	X
	D0202	CALCOLO N. PROGRESSO CN (UNA CIFRA) NC PROGRESS NO, CALCULATION(ONE FIGURE)	--	X
	D0203	CALCOLO N. PROGRESSO CN (DIECI CIFRE) NC PROGRESS NO, CALCULATION(TEN FIGURE)	--	X
	D0204			
	D0205			
	D0206			
	D0207			

	D0210	CALCOLO N. PROGRESSO CN (N. FISSO, 3FF) NC PRG, NO, CALCULATION(FIXED NO, 3FF)	--	X
	D0211	CALCOLO N. PROGRESSO CN (DATI MASCHERA) NC PRG, NO, CALCULATION(MASK DATA)	--	X
	D0212	CALCOLO N. PROGRESSO CN (UNA CIFRA) NC PRG, NO, CALCULATION(ONE FIGURE)	--	X
	D0213	CALCOLO N. PROGRESSO CN (DIECI CIFRE) NC PRG, NO, CALCULATION(TEN FIGURE)	--	X
	D0214	CALCOLO N. PROGRESSO CN COMPLETO NC PRG, NO, CALCULATION COMPLETE	--	X
	D0215	CALCOLO N. PROGRESSO CN COMPLETO NC PRG, NO, CALCULATION COMPLETE	--	X
	D0216	IMPOSTAZIONE N. PROGRAMMA SET PRG, NO,	--	X
	D0217			

	R000	IMPOSTARE (+), (-) DATI PER POSIZIONATORE Set (+), (-) Data For Locator	--	X
	R001	IMPOSTARE DATI BCD PER POSIZIONATORE Set BCD Data For Locator	--	X

	R010	IMPOSTARE CODICE PEZZO DA CNC Set Part Code From CNC	--	X
	R011			
	R012			
	R013			
	R014			
	R015			
	R016			
	R017			

I VALORI INDICATI NELLA TABELLA SONO IN DECIMALI. INDICARE I VALORI NEL REGISTRO D CON IL METODO INDICATO DI SEGUITO.

- PER INSERIRE I DATI ATTRAVERSO IL MONITOR TOYOPUC-PC2 (J), SELEZIONARE LA MODALITA DI INSERIMENTO IN DECIMALI UTILIZZANDO IL TASTO "CODE" (VIENE VISUALIZZATA UNA "D"), QUINDI INSERIRE IL VALORE.
- PER INSERIRE I DATI UTILIZZANDO IL VISORE AL PLASMA GC32, CONVERTIRE I VALORI DI CUI SOPRA IN ESADECIMALI ED INSERIRLI, IN QUANTO GC32 ACCETTA SOLTANTO VALORI ESADECIMALI.

Under D0107 Values in the table are decimal. Enter the values in the D register in the following method.

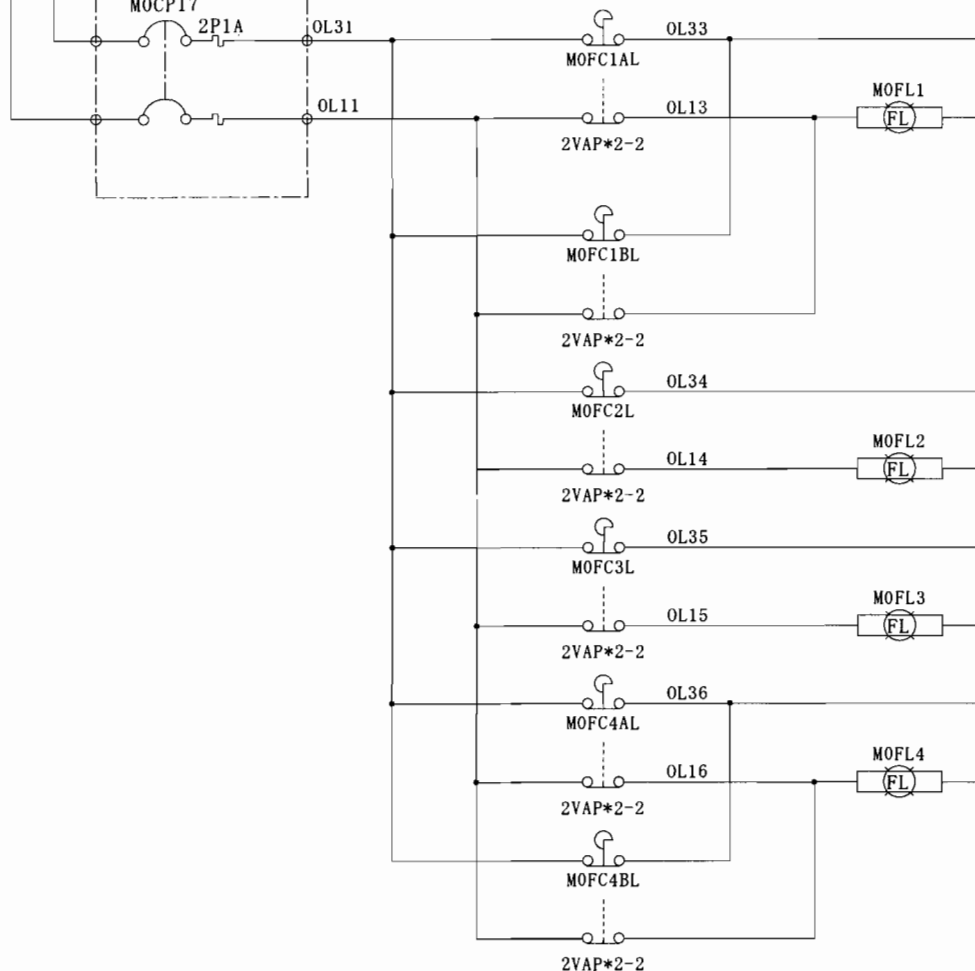
- To enter through the TOYOPUC-PC2 (J) monitor, select the decimal entry mode using the "CODE" key ("d" is displayed), then enter the value.
- To enter through the GC32 plasma display, convert the above values into hexadecimals and enter them because GC32 accepts only hexadecimal values.

TOYOTA M/C NUMBER	CONTENTS MAPPA INDIRIZZI DI REGISTRO	DEVICE CODE 08
	DRAWING NO. 35-80777001	2/2
MANUFACTURER	MANUFACTURE'S NUMBER RC8077, RC8078	PAGE 53

FREQUENCY 50Hz

DA FIAT
FROM FIAT

CAVO 2 mm²
2mm² WIRE



ARMADIO DI COMANDO
(ALIMENTAZIONE)
CONTROL BOX (POWER)

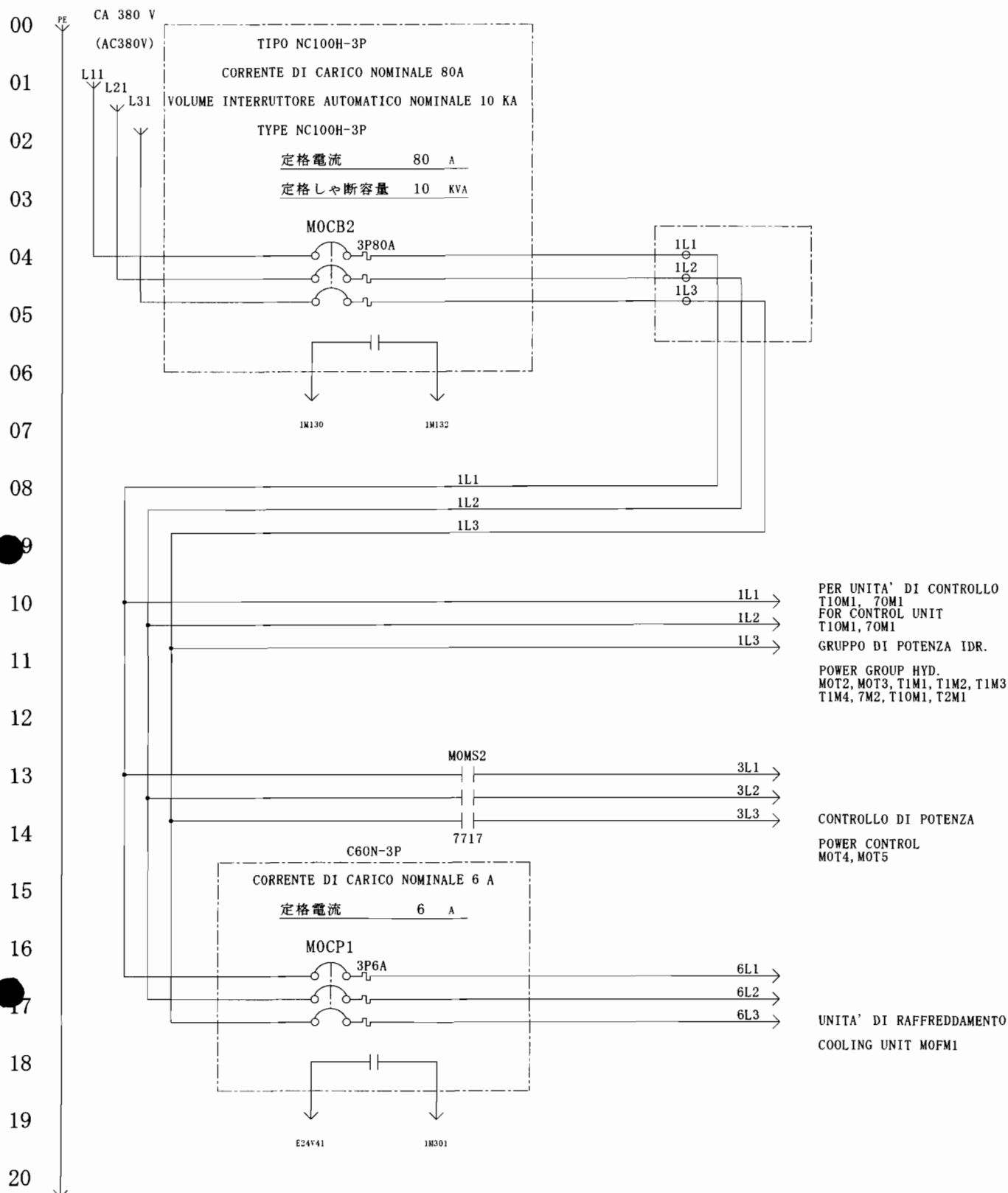
ARMADIO DI COMANDO (RELE)
CONTROL BOX (RELAY)

ARMADIO DI COMANDO (CNC / PLC)
CONTROL BOX (CNC/PLC)

ARMADIO DI COMANDO
(AMP AUSILIARIO)
CONTROL BOX (SERVO AMP)

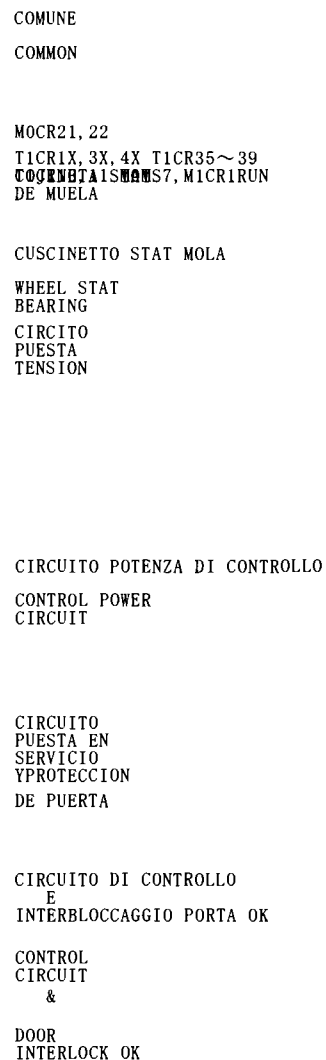
[illegible][illegible]

TOYOTA W/C NUMBER		CONTENTS	DEVICE CODE
		POTENZA	MD
	DRAWING NO.	35-80777001	2/33
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	55

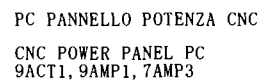
[illegible][illegible]

TOYOTA W/C NUMBER		CONTENTS	DEVICE CODE
		POTENZA	MD 3/33
	DRAWING NO. 35-80777001		
MANUFACTURER		MANUFACTURE'S NUMBER RC8077, RC8078	PAGE 56

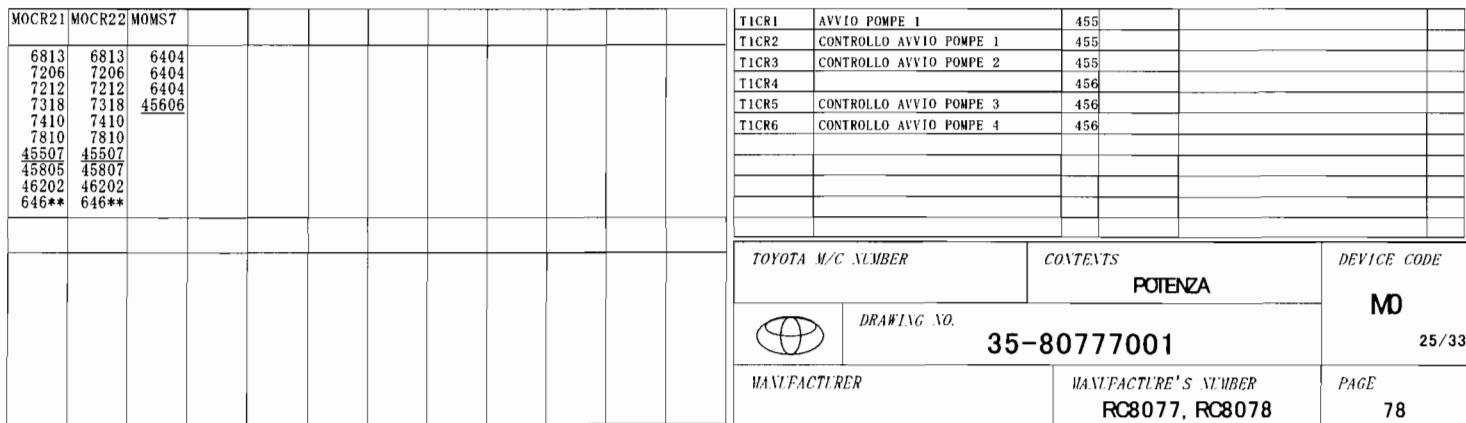
CC 24 V
(DC24V)

[illegible]

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[illegible][illegible]

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		POTENZA	MD
	DRAWING NO.		23/33
35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	76



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ARMADIO DI COMANDO

ENTRATA COMUNE

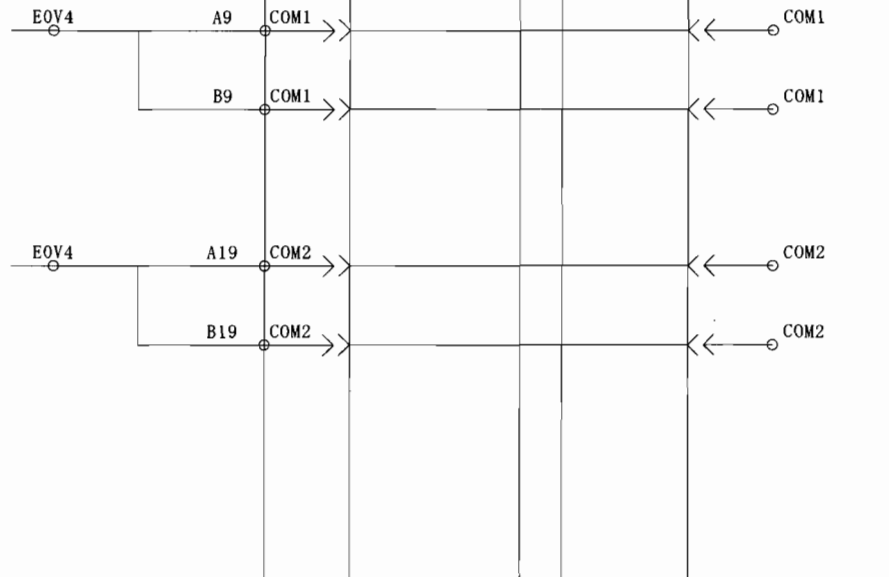
CONTROL BOX
INPUT COMMON

PCFL-1H40 (TOUGI)

IN40P

MOCNTB1

PLC-IN32 (1)



COM1
X000~X00F

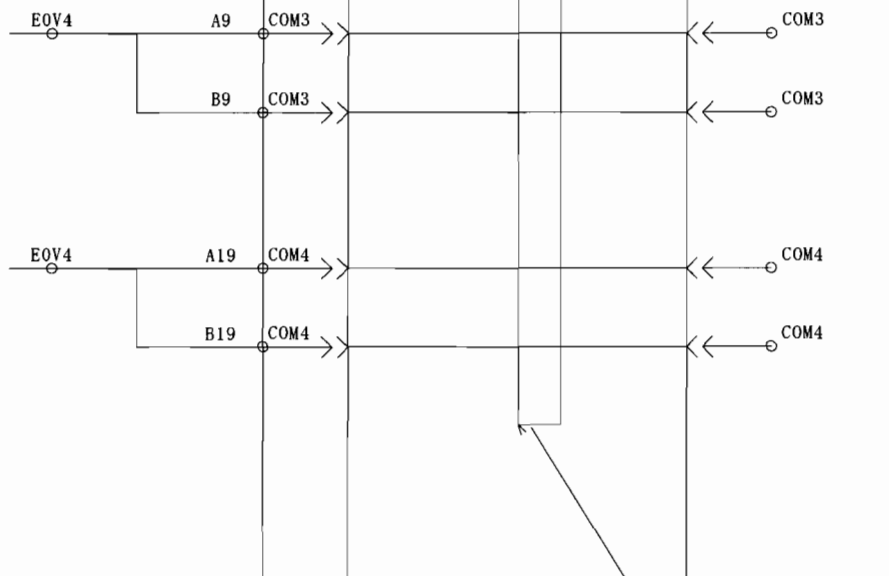
COM2
X010~X01F

PCFL-1H40 (TOUGI)

IN40P

MOCNTB2

PLC-IN32 (2)



COM3
X020~X02F

COM4
X030~X03F

NUCLEO IN FERRITE
Ferrite core



CAVO TRA IL CONNETTORE E LA MORSETTIERA PER IL COLLEGAMENTO TRA IL PLC INTERNO E IL DISPOSITIVO ESTERNO (PER X000 - X01F "40 PUNTI")

Cable between connector and terminal block for connection between built-in PLC and external device (for X000 - X01F "40 points")

LATO PLC
PLC SIDE
HiF3BAF-40PA-2.54DS (HIROSE)

LATO MORSETTO CONNETTORE
CONNECTOR TERMINAL SIDE
PCFL-1H40(TOUGI) *2

PLC-IN32(1)

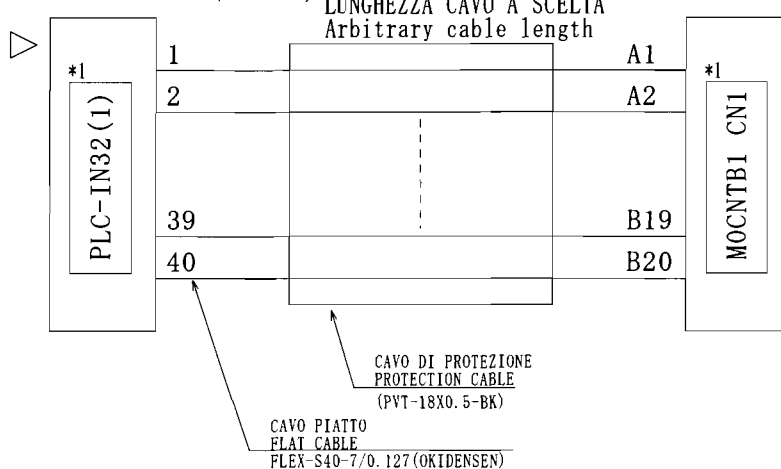
40		20	
39	COM 2	19	COM 2
38	X01F	18	X01E
37	X01D	17	X01C
36	X01B	16	X01A
35	X019	15	X018
34	X017	14	X016
33	X015	13	X014
32	X013	12	X012
31	X011	11	X010
30		10	
29	COM 1	9	COM 1
28	X00F	8	X00E
27	X00D	7	X00C
26	X00B	6	X00A
25	X009	5	X008
24	X007	4	X006
23	X005	3	X004
22	X003	2	X002
21	X001	1	X000

MOCNTB1

MOCNTB1 *1			
X000-X01F		L24V1	L24V1
		X01F	X01E
		X01D	X01C
		X01B	X01A
		X019	X018
		X017	X016
		X015	X014
		X013	X012
		X011	X010
		L24V1	L24V1
		X00F	X00E
		X00D	X00C
		X00B	X00A
		X009	X008
		X007	X006
		X005	X004
		X003	X002
		X001	X000

LATO PLC
PLC SIDE
HiF3BA-40D-2.54R (HIROSE)

LATO MORSETTO CONNETTORE
CONNECTOR TERMINAL SIDE
HiF3BA-40D-2.54R (HIROSE)



SIA IL CAVO CHE IL BLOCCO TERMINALE DEVE ESSERE PROCURATO DAL FABBRICANTE DEL PANNELLO
Both cable and terminal block procured by panel manufacturer

- *1: ATTACCARE UNA TARGHETTA IDENTIFICATIVA AD OGNI CONNETTORE. (TIPO TAPLER)
*2: IL MOCNTB1 DOVRA ESSERE PROCURATO DAL FABBRICANTE DEL PANNELLO.
*1: Attach a nameplate to each connector. (TAPLER tape)
*2: The MOCNTB1 shall be procured by the panel manufacturer.

DRAWING NO.		POTENZA	DEVICE CODE
35-80777001			MD
MANUFACTURER	MANUFACTURE'S NUMBER	PAGE	
	RC8077, RC8078	82	

CAVO TRA IL CONNETTORE E LA MORSETTIERA PER IL COLLEGAMENTO TRA IL PLC INTERNO E IL DISPOSITIVO ESTERNO (PER X020 - X03F "40 PUNTI")

Cable between connector and terminal block for connection between built-in PLC and external device (for X020 - X03F "40 points")

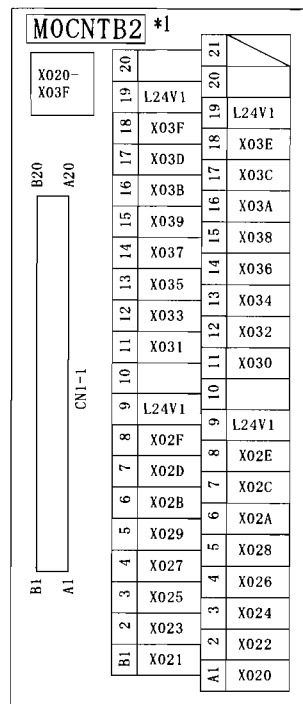
LATO PLC
PLC SIDE
HiF3BAF-40PA-2.54DS (HIROSE)

LATO MORSETTO CONNETTORE
CONNECTOR TERMINAL SIDE
PCFL-1H40 (TOUGI) *2

PLC-IN32 (2)

40		20	
39	COM 4	19	COM 4
38	X03F	18	X03E
37	X03D	17	X03C
36	X03B	16	X03A
35	X039	15	X038
34	X037	14	X036
33	X035	13	X034
32	X033	12	X032
31	X031	11	X030
30		10	
29	COM 3	9	COM 3
28	X02F	8	X02E
27	X02D	7	X02C
26	X02B	6	X02A
25	X029	5	X028
24	X027	4	X026
23	X025	3	X024
22	X023	2	X022
21	X021	1	X020

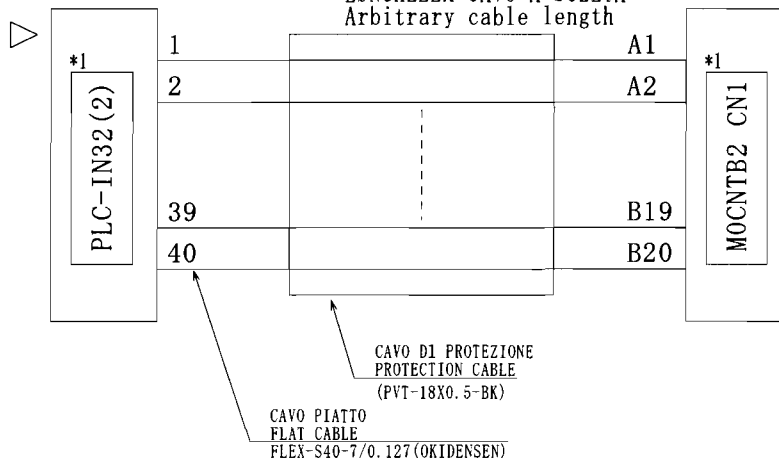
MOCNTB2



LATO PLC
PLC SIDE
HiF3BA-40D-2.54R (HIROSE)

LUNGHEZZA CAVO A SCELTA
Arbitrary cable length

LATO MORSETTO CONNETTORE
CONNECTOR TERMINAL SIDE
HiF3BA-40D-2.54R (HIROSE)



SIA IL CAVO CHE IL BLOCCO TERMINALE DEVE ESSERE PROCURATO DAL FABBRICANTE DEL PANNELLO

Both cable and terminal block procured by panel manufacturer

- *1: ATTACCARE UNA TARGHETTA IDENTIFICATIVA AD OGNI CONNETTORE. (TIPO TAPLER)
*2: IL MOCNTB1 DOVRA ESSERE PROCURATO DAL FABBRICANTE DEL PANNELLO.
*1: Attach a nameplate to each connector. (TAPLER tape)
*2: The MOCNTB1 shall be procured by the panel manufacturer.

TOYOTA W/C NUMBER		CONTENTS		DEVICE CODE
		POTENZA		MD
DRAWING NO.		35-80777001		30/33
MANUFACTURER		MANUFACTURE'S NUMBER RC8077, RC8078		PAGE 83

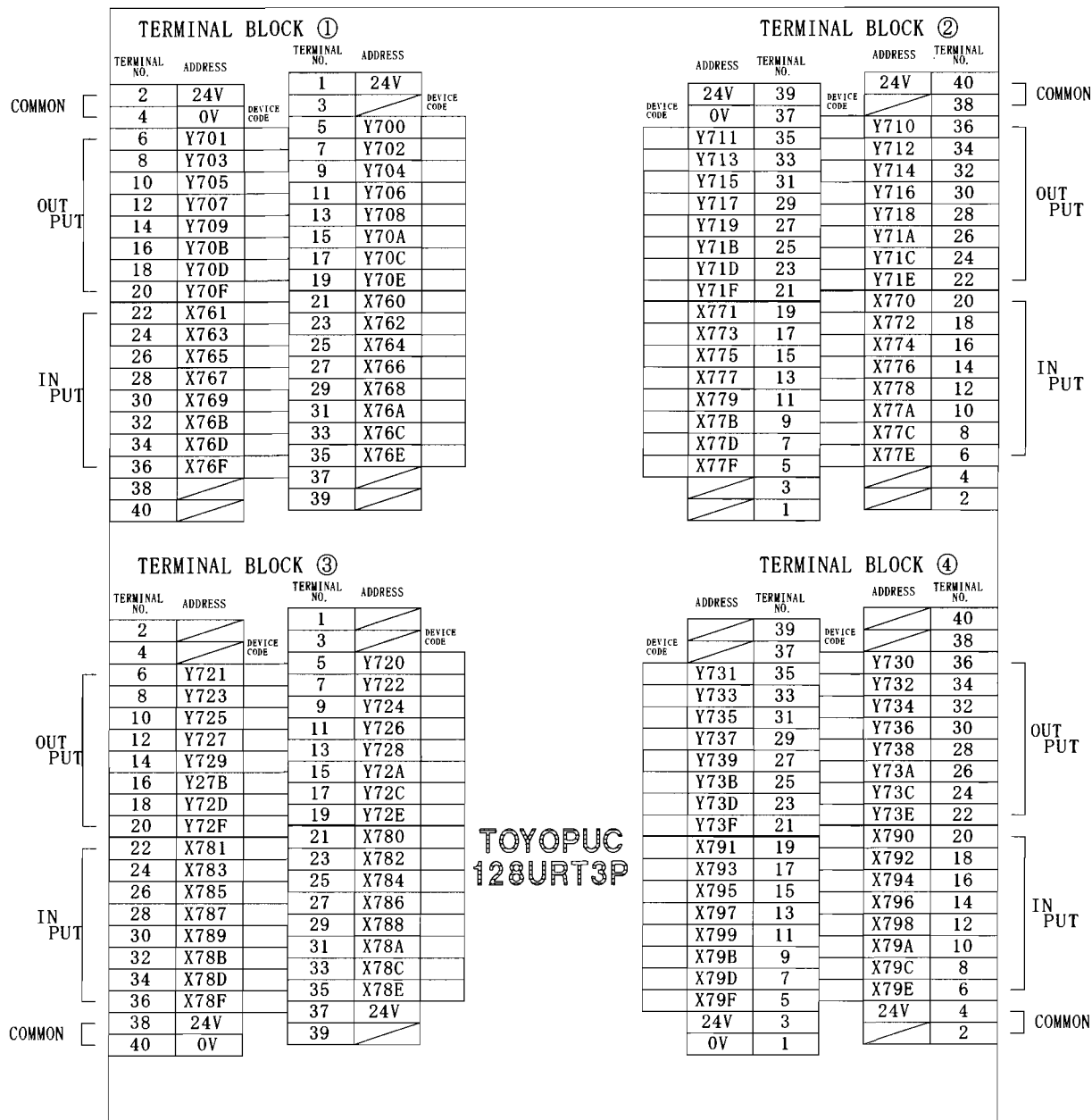
MUFFOLA TERMINALE ①				MUFFOLA TERMINALE ②			
N. MORSETTO		INDIRIZZO		N. MORSETTO		INDIRIZZO	
2	24V	1	24V	24V	39	24V	40
4	0V	3		0V	37		38
6	Y701	5	Y700	Y711	35	Y710	36
8	Y703	7	Y702	Y713	33	Y712	34
10	Y705	9	Y704	Y715	31	Y714	32
12	Y707	11	Y706	Y717	29	Y716	30
14	Y709	13	Y708	Y719	27	Y718	28
16	Y70B	15	Y70A	Y71B	25	Y71A	26
18	Y70D	17	Y70C	Y71D	23	Y71C	24
20	Y70F	19	Y70E	Y71F	21	Y71E	22
22	X761	21	X760	X771	19	X770	20
24	X763	23	X762	X773	17	X772	18
26	X765	25	X764	X775	15	X774	16
28	X767	27	X766	X777	13	X776	14
30	X769	29	X768	X779	11	X778	12
32	X76B	31	X76A	X77B	9	X77A	10
34	X76D	33	X76C	X77D	7	X77C	8
36	X76F	35	X76E	X77F	5	X77E	6
38		37			3		4
40		39			1		2

MUFFOLA TERMINALE ③				MUFFOLA TERMINALE ④			
N. MORSETTO		INDIRIZZO		N. MORSETTO		INDIRIZZO	
2		1		39		40	
4		3		37		38	
6	Y721	5	Y720	Y731	35	Y730	36
8	Y723	7	Y722	Y733	33	Y732	34
10	Y725	9	Y724	Y735	31	Y734	32
12	Y727	11	Y726	Y737	29	Y736	30
14	Y729	13	Y728	Y739	27	Y738	28
16	Y72B	15	Y72A	Y73B	25	Y73A	26
18	Y72D	17	Y72C	Y73D	23	Y73C	24
20	Y72F	19	Y72E	Y73F	21	Y73E	22
22	X781	21	X780	X791	19	X790	20
24	X783	23	X782	X793	17	X792	18
26	X785	25	X784	X795	15	X794	16
28	X787	27	X786	X797	13	X796	14
30	X789	29	X788	X799	11	X798	12
32	X78B	31	X78A	X79B	9	X79A	10
34	X78D	33	X78C	X79D	7	X79C	8
36	X78F	35	X78E	X79F	5	X79E	6
38	24V	37	24V	24V	3	24V	4
40	0V	39		0V	1		2

TOYOPUC
128URT3P

PER LA MUFFOLA TERMINALE COMUNE E' NECESSARIO UTILIZZARE ENTRATE ED USCITE COMUNI. ASSEGNATI 96 PUNTI DI ENTRATA DOPO 96 PUNTI DI USCITA

TOYOTA W/C NUMBER		CONTENTS	DEVICE CODE
		MODULO I/O A DI STANZA	1L1
DRAWING NO.		1/9	
35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	87



COMMON TERMINAL MUST BE USE COMMON OF INPUT & OUTPUT. 96 POINTS OF INPUT NO. ASSIGNED AFTER 96 POINTS OF OUTPUT NO.

TOYOTA W/C NUMBER	CONTENTS	DEVICE CODE
	MODULO I/O A DISTANZA	1L1
DRAWING NO.	35-80777001	2/9
MANUFACTURER	MANUFACTURE'S NUMBER	PAGE
	RC8077, RC8078	88

MODULO I/O
I/O MODULE
UNITA' BASE
BASIC UNIT

N. CREMAGLIERA LACK NO.	N. SCANALATURA SLOT NO.	N. COLLEGAMENTO LINK NO.	NOME MODULO MODULE NAME
0	0	1	2-PORT M NET
0	3	2	NESSUN MODULO DEFINITO NO DEFINITION MODULE(O B) (M - N E T C M P L I N K)
1	7	3	CONTROLLO A DISTANZA AD ALTA VELOCITA I/O HIGH SPEED REMOTE I/O

* IL CONTROLLO NUMERICO I/F VIENE VISUALIZZATO COME "MODULO NON DEFINITO". TUTTAVIA IL CODICE DI IDENTIFICAZIONE E "BB", E FUNZIONA COME UN CONTROLLO NUMERICO I/F.

1. CAPACITA DI MEMORIA

PROGRAMMA 3 2 K W
FILE 0
COMMENTO 0

2. TEMPORIZZATORE DI SCANSIONE

INIZIALE 1 0 m S
PRINCIPALE 1 0 0 m S

3. STATO ESEGUI

ALLARME TAVOLA I/O STOP
ERRORE TEMPO DI SCANSIONE STOP
ERRORE COMANDO DI CALCOLO STOP

* The CNC I/F is displayed as an "undefined module." However, if the identification code is "BB," it operates as a CNC I/F.

1. Memory capacity

Program 3 2 K W
File 0
Comment 0

2. TScan timer

Initial 1 0 m S
Main 1 0 0 m S

3. RUN state

I/O table alarm STOP
Scan time error STOP
Calculation command error STOP

TOYOTA W/C NUMBER	CONTENTS MODULO I/O A DISTANZA	DEVICE CODE 1L1 3/9
 DRAWING NO. 35-80777001		
MANUFACTURER	MANUFACTURE'S NUMBER RC8077, RC8078	PAGE 89

STAZIONE PRINCIPALE PLC (N. 1) COLLEGAMENTO PC (128URT3P)

COLLEGAMENTO N. 1		CREMAGLIERA N. 0	SCANALATURA N. 0	COLLEGAMENTO PC (STAZIONE PRINCIPALE)	DIFETTO DI COMUNICAZIONE SI' / ☒ NO
AREA DI COLLEGAMENTO		X 7 0 L ~ X 7 7 H			
STAZIONE TERMINALE 1	COMUNICAZIONE SI' / ☒ NO	STAZIONE TERMINALE 6	COMUNICAZIONE SI' / ☒ NO	STAZIONE TERMINALE 11	COMUNICAZIONE SI' / ☒ NO
STAZIONE TERMINALE 2	COMUNICAZIONE SI' / ☒ NO	STAZIONE TERMINALE 7	COMUNICAZIONE SI' / ☒ NO	STAZIONE TERMINALE 12	COMUNICAZIONE SI' / ☒ NO
STAZIONE TERMINALE 3	COMUNICAZIONE SI' / ☒ NO	STAZIONE TERMINALE 8	COMUNICAZIONE SI' / ☒ NO	STAZIONE TERMINALE 13	COMUNICAZIONE SI' / ☒ NO
STAZIONE TERMINALE 4	COMUNICAZIONE SI' / ☒ NO	STAZIONE TERMINALE 9	COMUNICAZIONE SI' / ☒ NO	STAZIONE TERMINALE 14	COMUNICAZIONE SI' / ☒ NO
STAZIONE TERMINALE 5	COMUNICAZIONE SI' / ☒ NO	STAZIONE TERMINALE 10	COMUNICAZIONE SI' / ☒ NO	STAZIONE TERMINALE 15	COMUNICAZIONE SI' / ☒ NO
PRINCIPALE → TERMINALE 1	0	PRINCIPALE → TERMINALE 6	0	PRINCIPALE → TERMINALE 11	0
TERMINALE 1 → PRINCIPALE	0	TERMINALE 6 → PRINCIPALE	0	TERMINALE 11 → PRINCIPALE	0
PRINCIPALE → TERMINALE 2	0	PRINCIPALE → TERMINALE 7	0	PRINCIPALE → TERMINALE 12	0
TERMINALE 2 → PRINCIPALE	0	TERMINALE 7 → PRINCIPALE	0	TERMINALE 12 → PRINCIPALE	0
PRINCIPALE → TERMINALE 3	0	PRINCIPALE → TERMINALE 8	0	PRINCIPALE → TERMINALE 13	0
TERMINALE 3 → PRINCIPALE	0	TERMINALE 8 → PRINCIPALE	0	TERMINALE 13 → PRINCIPALE	0
PRINCIPALE → TERMINALE 4	0	PRINCIPALE → TERMINALE 9	0	PRINCIPALE → TERMINALE 14	0
TERMINALE 4 → PRINCIPALE	0	TERMINALE 9 → PRINCIPALE	0	PRINCIPALE → TERMINALE 15	0
PRINCIPALE → TERMINALE 5	0	PRINCIPALE → TERMINALE 10	0	TERMINALE 15 → PRINCIPALE	0
TERMINALE 5 → PRINCIPALE	0	TERMINALE 10 → PRINCIPALE	0		
NOME DEL SISTEMA		AREA DI COMUNICAZIONE			
STAZIONE TERMINALE 1		128URT3P			
		X 7 0 0 ~ X 7 7 F			
(TOTALE PUNTI 16X8=128)					

STAZIONE PRINCIPALE PLC (N. 4) COLLEGAMENTO PC (GC32XC)

COLLEGAMENTO N. 4	CREMAGLIERA N. 0	SCANALATURA N. 3	COLLEGAMENTO CNC

STAZIONE PRINCIPALE PLC (N. 3) COLLEGAMENTO PC (CONTROLLO A DISTANZA AD ALTA VELOCITA I/O)

COLLEGAMENTO N. 3		CREMAGLIERA N. 1	SCANALATURA N. 7	CONTROLLO A DISTANZA AD ALTA VELOCITA I/O	DIFETTO DI COMUNICAZIONE SI' / ☒ NO
AREA DI COLLEGAMENTO		X 1 0 L ~ X 1 4 H			
TERMINALE 1	COMUNICAZIONE SI' / ☒ NO	TERMINALE 9	COMUNICAZIONE SI' / ☒ NO	TERMINALE 17	COMUNICAZIONE SI' / ☒ NO
TERMINALE 2	COMUNICAZIONE SI' / ☒ NO	TERMINALE 10	COMUNICAZIONE SI' / ☒ NO	TERMINALE 18	COMUNICAZIONE SI' / ☒ NO
TERMINALE 3	COMUNICAZIONE SI' / ☒ NO	TERMINALE 11	COMUNICAZIONE SI' / ☒ NO	TERMINALE 19	COMUNICAZIONE SI' / ☒ NO
TERMINALE 4	COMUNICAZIONE SI' / ☒ NO	TERMINALE 12	COMUNICAZIONE SI' / ☒ NO	TERMINALE 20	COMUNICAZIONE SI' / ☒ NO
TERMINALE 5	COMUNICAZIONE SI' / ☒ NO	TERMINALE 13	COMUNICAZIONE SI' / ☒ NO	TERMINALE 21	COMUNICAZIONE SI' / ☒ NO
TERMINALE 6	COMUNICAZIONE SI' / ☒ NO	TERMINALE 14	COMUNICAZIONE SI' / ☒ NO	TERMINALE 22	COMUNICAZIONE SI' / ☒ NO
TERMINALE 7	COMUNICAZIONE SI' / ☒ NO	TERMINALE 15	COMUNICAZIONE SI' / ☒ NO	TERMINALE 23	COMUNICAZIONE SI' / ☒ NO
TERMINALE 8	COMUNICAZIONE SI' / ☒ NO	TERMINALE 16	COMUNICAZIONE SI' / ☒ NO	TERMINALE 24	COMUNICAZIONE SI' / ☒ NO
TERMINALE 1	016	TERMINALE 5	000	TERMINALE 9	000
TERMINALE 2	012	TERMINALE 6	000	TERMINALE 10	000
TERMINALE 3	000	TERMINALE 7	000	TERMINALE 11	000
TERMINALE 4	000	TERMINALE 8	000	TERMINALE 12	000
TERMINALE 5	000	TERMINALE 9	000	TERMINALE 13	000
TERMINALE 6	000	TERMINALE 10	000	TERMINALE 14	000
TERMINALE 7	000	TERMINALE 11	000	TERMINALE 15	000
TERMINALE 8	000	TERMINALE 12	000	TERMINALE 16	000
TERMINALE 9	000	TERMINALE 13	000	TERMINALE 17	000
TERMINALE 10	000	TERMINALE 14	000	TERMINALE 18	000
TERMINALE 11	000	TERMINALE 15	000	TERMINALE 19	000
TERMINALE 12	000	TERMINALE 16	000	TERMINALE 20	000
TERMINALE 13	000	TERMINALE 17	000	TERMINALE 21	000
TERMINALE 14	000	TERMINALE 18	000	TERMINALE 22	000
TERMINALE 15	000	TERMINALE 19	000	TERMINALE 23	000
TERMINALE 16	000	TERMINALE 20	000	TERMINALE 24	000
TERMINALE 17	000	TERMINALE 21	000	TERMINALE 25	000
TERMINALE 18	000	TERMINALE 22	000	TERMINALE 26	000
TERMINALE 19	000	TERMINALE 23	000	TERMINALE 27	000
TERMINALE 20	000	TERMINALE 24	000	TERMINALE 28	000
TERMINALE 21	000	TERMINALE 25	000	TERMINALE 29	000
TERMINALE 22	000	TERMINALE 26	000	TERMINALE 30	000
TERMINALE 23	000	TERMINALE 27	000	TERMINALE 31	000
TERMINALE 24	000	TERMINALE 28	000	TERMINALE 32	000
NOME DEL SISTEMA		AREA DI COMUNICAZIONE			
STAZIONE TERMINALE 1		CONTROLLO A DISTANZA AD ALTA VELOCITA I/O			
		X 1 0 0 ~ X 1 7 F			
STAZIONE TERMINALE 2		CONTROLLO A DISTANZA AD ALTA VELOCITA I/O			
		X 1 8 0 ~ X 1 D F			
(TOTALE PUNTI 16X14=224)					

TOYOTA W/C NUMBER		CONTENTS	DEVICE CODE
		MODULO I/O A DISTANZA	1L1
DRAWING NO.		35-80777001	4/9
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	90

MASTER STATION PLC (NO. 1) PC LINK (128URT3P)

LINK NO. 1	RACK NO. 0	SLOT NO. 0	PC LINK (MASTER STATION)	COMMUNICATION FAULT YES ☒ NO	
LINK AREA		X70L~X77H			
TERMINAL STATION 1	COMMUNICATION YES ☒ NO	TERMINAL STATION 6	COMMUNICATION YES ☒ NO	TERMINAL STATION 11	COMMUNICATION YES ☒ NO
TERMINAL STATION 2	COMMUNICATION YES ☒ NO	TERMINAL STATION 7	COMMUNICATION YES ☒ NO	TERMINAL STATION 12	COMMUNICATION YES ☒ NO
TERMINAL STATION 3	COMMUNICATION YES ☒ NO	TERMINAL STATION 8	COMMUNICATION YES ☒ NO	TERMINAL STATION 13	COMMUNICATION YES ☒ NO
TERMINAL STATION 4	COMMUNICATION YES ☒ NO	TERMINAL STATION 9	COMMUNICATION YES ☒ NO	TERMINAL STATION 14	COMMUNICATION YES ☒ NO
TERMINAL STATION 5	COMMUNICATION YES ☒ NO	TERMINAL STATION 10	COMMUNICATION YES ☒ NO	TERMINAL STATION 15	COMMUNICATION YES ☒ NO
MASTER → TERMINAL 1	8	TERMINAL 3 → MASTER	0	MASTER → TERMINAL 6	0
TERMINAL 1 → MASTER	8	MASTER → TERMINAL 4	0	TERMINAL 6 → MASTER	0
MASTER → TERMINAL 2	0	TERMINAL 4 → MASTER	0	MASTER → TERMINAL 7	0
TERMINAL 2 → MASTER	0	MASTER → TERMINAL 5	0	TERMINAL 7 → MASTER	0
MASTER → TERMINAL 3	0	TERMINAL 5 → MASTER	0	MASTER → TERMINAL 8	0
		TERMINAL 6 → MASTER	0	TERMINAL 8 → MASTER	0
		MASTER → TERMINAL 9	0	MASTER → TERMINAL 9	0
		MASTER → TERMINAL 7	0	TERMINAL 9 → MASTER	0
		MASTER → TERMINAL 10	0	MASTER → TERMINAL 10	0
		TERMINAL 10 → MASTER	0	MASTER → TERMINAL 11	0
		MASTER → TERMINAL 11	0	TERMINAL 11 → MASTER	0
		MASTER → TERMINAL 12	0	MASTER → TERMINAL 12	0
		TERMINAL 12 → MASTER	0	MASTER → TERMINAL 13	0
		MASTER → TERMINAL 13	0	TERMINAL 13 → MASTER	0
		MASTER → TERMINAL 14	0	MASTER → TERMINAL 14	0
		TERMINAL 14 → MASTER	0	MASTER → TERMINAL 15	0
		MASTER → TERMINAL 15	0	TERMINAL 15 → MASTER	0
SYSTEM NAME		COMMUNICATION AREA			
TERMINAL STATION 1		128URT3P			
		X700~X77F			

(TOTAL POINTS 16X8=128)

MASTER STATION PLC (NO. 4) CNC LINK (GC32XC)

LINK NO. 4	RACK NO. 0	SLOT NO. 3	CNC LINK

MASTER STATION PLC (NO. 3) PC LINK (HIGH SPEED REMOTE I/O)

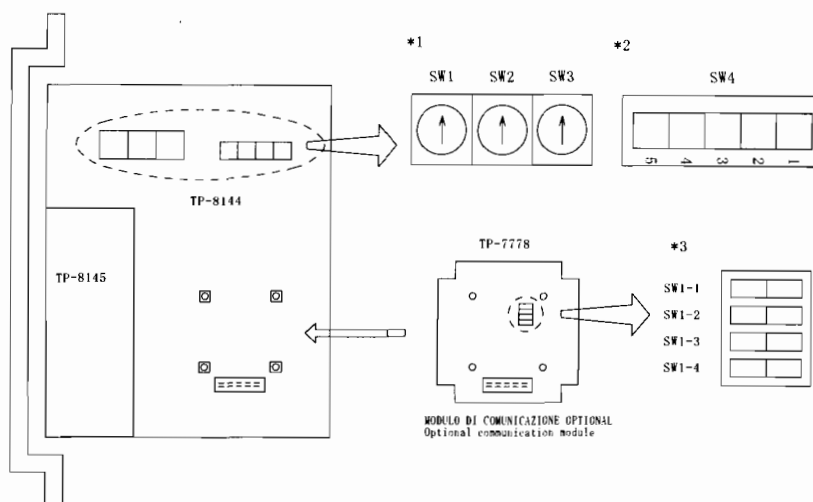
LINK NO. 3	RACK NO. 1	SLOT NO. 7	HIGH SPEED REMOTE I/O	COMMUNICATION FAULT YES ☒ NO	
LINK AREA		X10L~X14H			
TERMINAL 1	COMMUNICATION ☒ N	TERMINAL 9	COMMUNICATION Y ☒ N	TERMINAL 17	COMMUNICATION Y ☒ N
TERMINAL 2	COMMUNICATION ☒ N	TERMINAL 10	COMMUNICATION Y ☒ N	TERMINAL 18	COMMUNICATION Y ☒ N
TERMINAL 3	COMMUNICATION Y ☒ N	TERMINAL 11	COMMUNICATION Y ☒ N	TERMINAL 19	COMMUNICATION Y ☒ N
TERMINAL 4	COMMUNICATION Y ☒ N	TERMINAL 12	COMMUNICATION Y ☒ N	TERMINAL 20	COMMUNICATION Y ☒ N
TERMINAL 5	COMMUNICATION Y ☒ N	TERMINAL 13	COMMUNICATION Y ☒ N	TERMINAL 21	COMMUNICATION Y ☒ N
TERMINAL 6	COMMUNICATION Y ☒ N	TERMINAL 14	COMMUNICATION Y ☒ N	TERMINAL 22	COMMUNICATION Y ☒ N
TERMINAL 7	COMMUNICATION Y ☒ N	TERMINAL 15	COMMUNICATION Y ☒ N	TERMINAL 23	COMMUNICATION Y ☒ N
TERMINAL 8	COMMUNICATION Y ☒ N	TERMINAL 16	COMMUNICATION Y ☒ N	TERMINAL 24	COMMUNICATION Y ☒ N
TERMINAL 1	016	TERMINAL 5	000	TERMINAL 9	000
TERMINAL 2	012	TERMINAL 6	000	TERMINAL 10	000
TERMINAL 3	000	TERMINAL 7	000	TERMINAL 11	000
TERMINAL 4	000	TERMINAL 8	000	TERMINAL 12	000
		TERMINAL 9	000	TERMINAL 13	000
		TERMINAL 10	000	TERMINAL 14	000
		TERMINAL 11	000	TERMINAL 15	000
		TERMINAL 12	000	TERMINAL 16	000
		TERMINAL 13	000	TERMINAL 17	000
		TERMINAL 14	000	TERMINAL 18	000
		TERMINAL 15	000	TERMINAL 19	000
		TERMINAL 16	000	TERMINAL 20	000
		TERMINAL 17	000	TERMINAL 21	000
		TERMINAL 18	000	TERMINAL 22	000
		TERMINAL 19	000	TERMINAL 23	000
		TERMINAL 20	000	TERMINAL 24	000
		TERMINAL 21	000	TERMINAL 25	000
		TERMINAL 22	000	TERMINAL 26	000
		TERMINAL 23	000	TERMINAL 27	000
		TERMINAL 24	000	TERMINAL 28	000
		TERMINAL 25	000	TERMINAL 29	000
		TERMINAL 26	000	TERMINAL 30	000
		TERMINAL 27	000	TERMINAL 31	000
		TERMINAL 28	000	TERMINAL 32	000
SYSTEM NAME		COMMUNICATION AREA			
TERMINAL STATION 1		HIGH SPEED REMOTE I/O			
		X100~X17F			
TERMINAL STATION 2		HIGH SPEED REMOTE I/O			
		X180~X1DF			

(TOTAL POINTS 16X14=224)

TOYOTA W/C NUMBER	CONTENTS	DEVICE CODE
	MODULO I/O A DI STANZA	1L1
DRAWING NO.	35-80777001	5/9
MANUFACTURER	MANUFACTURE'S NUMBER	PAGE
	RC8077, RC8078	91

IMPOSTAZIONE SCHEDA GC32XC PLC-48

GC32XC PLC-48 card setting



1. SW1: IMPOSTAZIONE VELOCITA DI TRASMISSIONE
1. SW1: Transmission speed setting

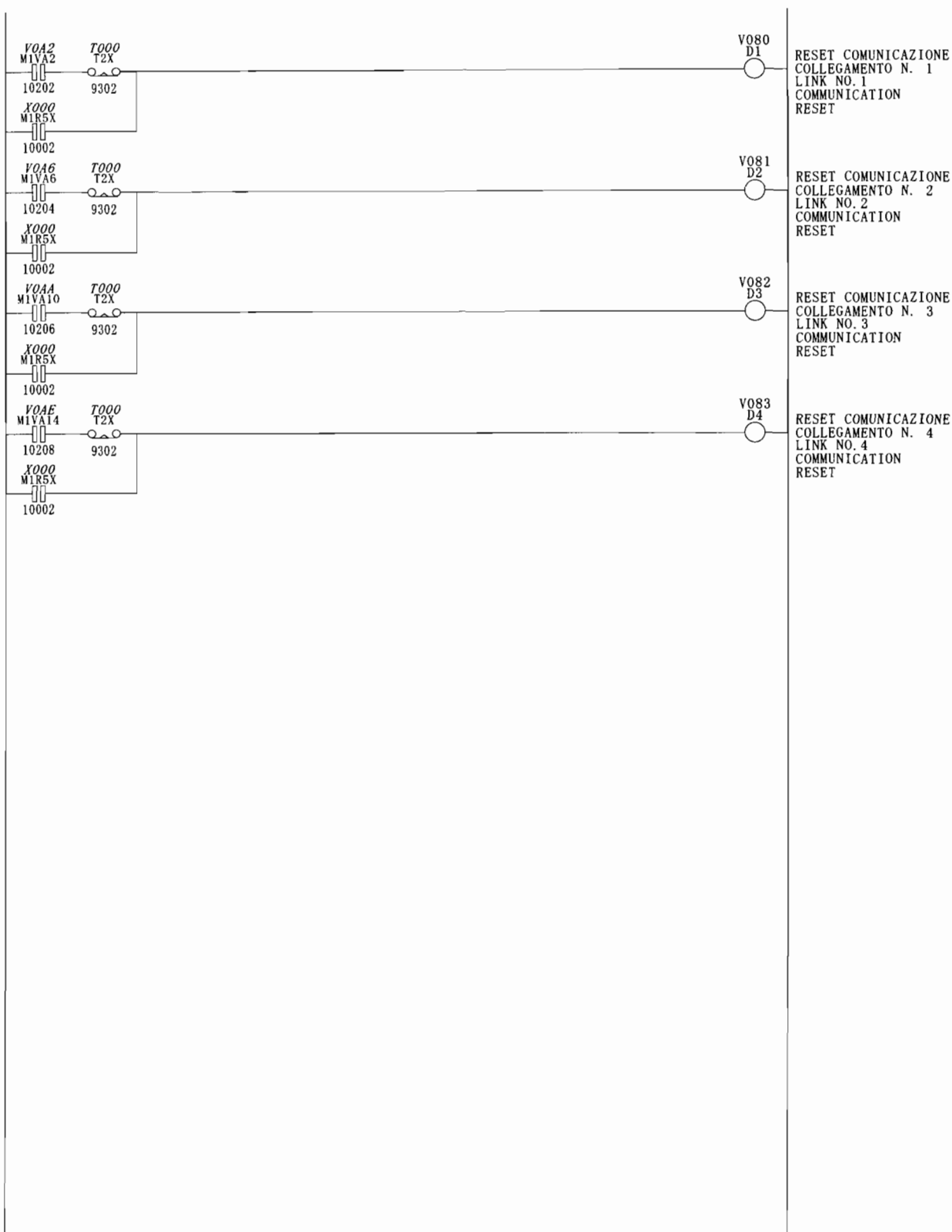
NUMERO INTERRUTTORE Switch number	VELOCITA DI TRASMISSIONE bps Transmission speed
1	19200
2	9600
3	4800
4	2400
5	1200
6	600
7	300

2. SW2: CIFRA MAGGIORE DEL NUMERO STAZIONE, IMPOSTARE UN NUMERO AD OTTO CIFRE.
2. SW2: Upper digit of station number; set an octal number.
3. SW2: CIFRA MINORE DEL NUMERO STAZIONE, IMPOSTARE UN NUMERO AD OTTO CIFRE.
3. SW2: Lower digit of station number; set an octal number.
4. IMPOSTAZIONE SW4
4. SW4 setting

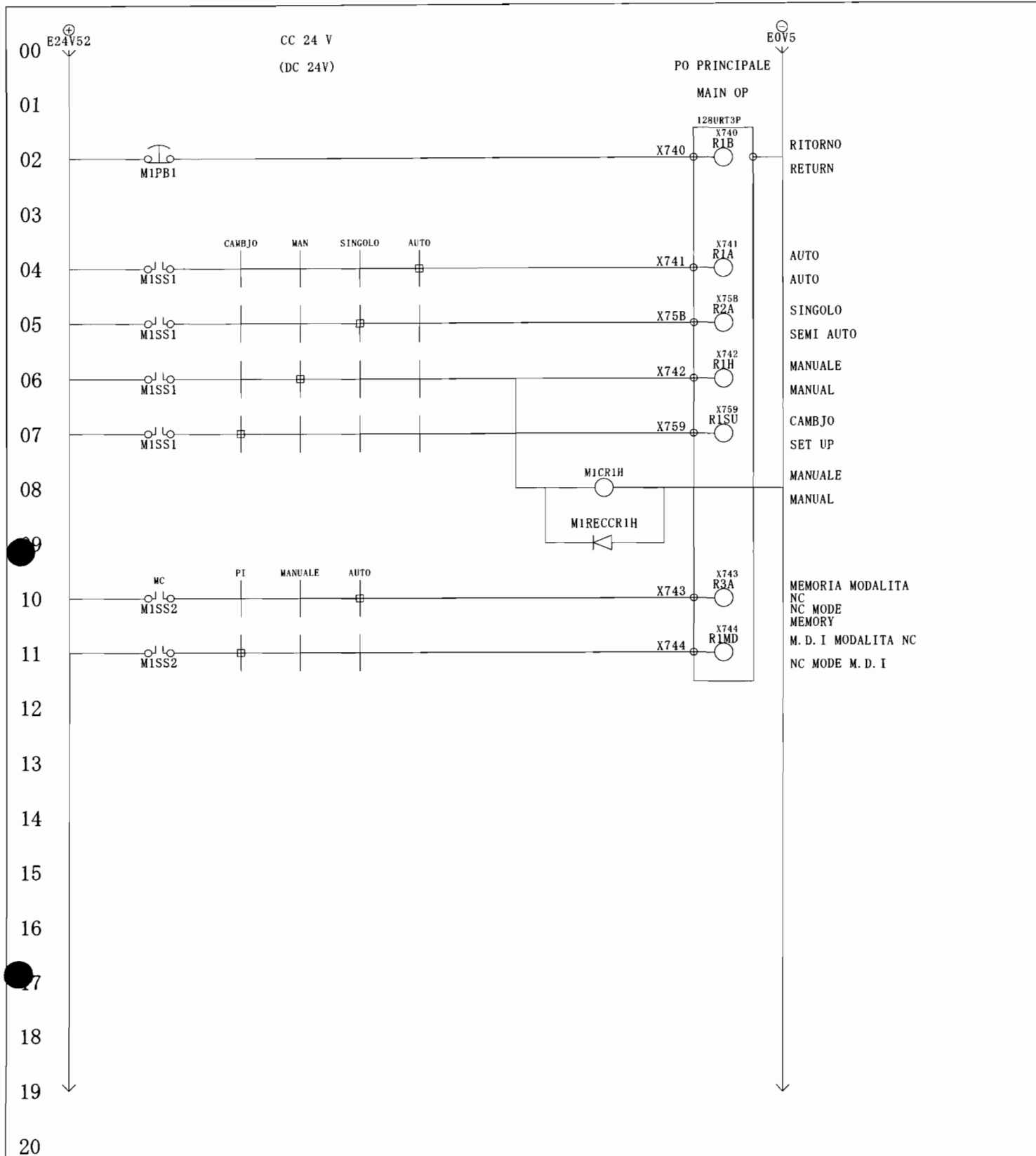
	CONTENUTO Content	INS. ON	DIS. OFF
4-1	LUNGHEZZA BIT DI ARRESTO Stop bit length	①	2
4-2	LUNGHEZZA DATI Data length	7	⑧
4-3	INTERRUTTORE PORTA B B port switch	① SOLLEGAMENTO AL COMPUTER Connection to computer	M-NET
4-4	NON UTILIZZATO Not used	—	⊖

TOYOTA M/C NUMBER	CONTENTS MODULO I/O A DI STANZA	DEVICE CODE 1L1 6/9
DRAWING NO. 35-80777001	MANUFACTURE'S NUMBER RC8077, RC8078	PAGE 92

1L1D

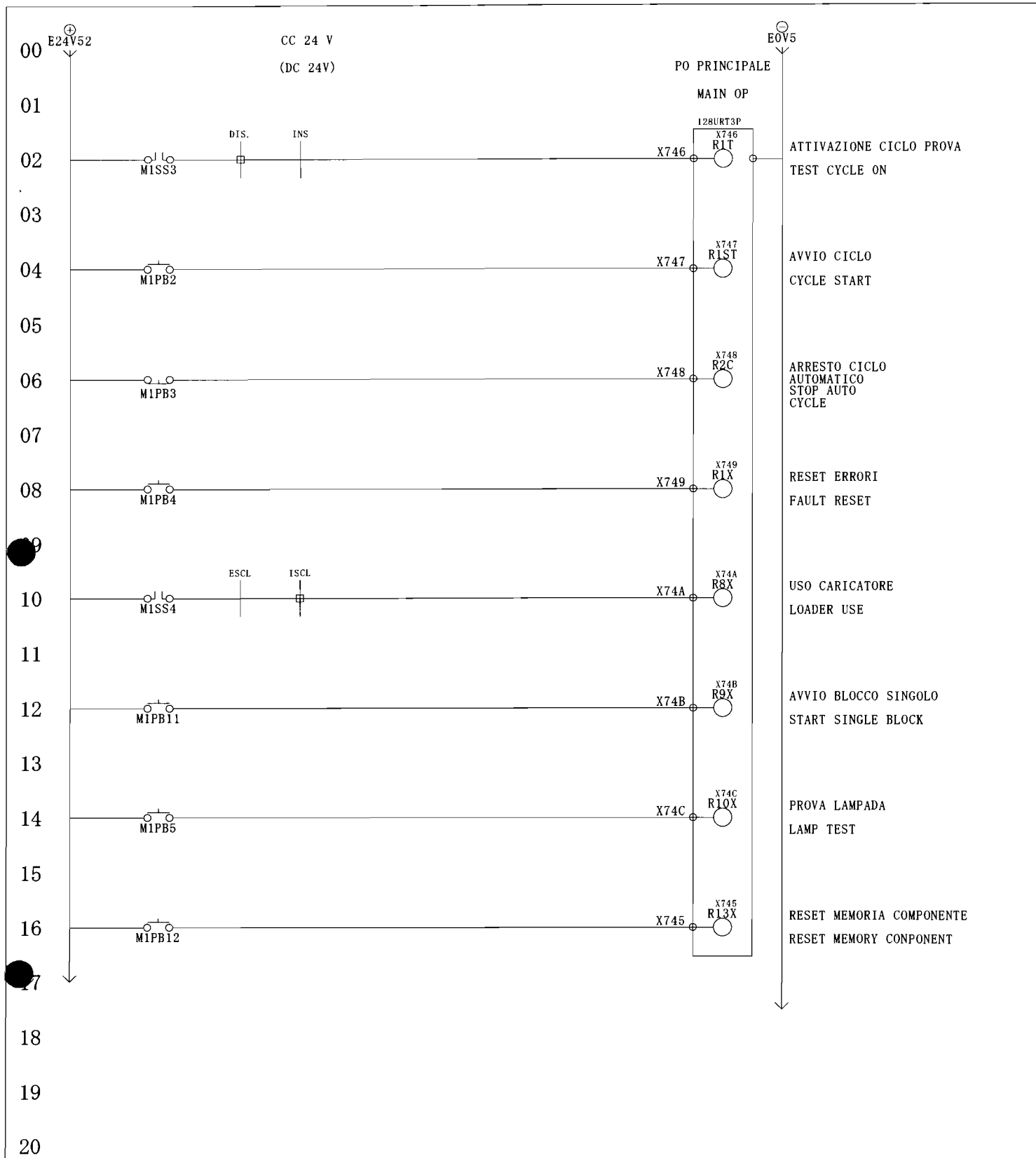
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TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		MODULO I/O A DISTANZA			
	DRAWING NO.	35-80777001		1L1 9/9	
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		95	



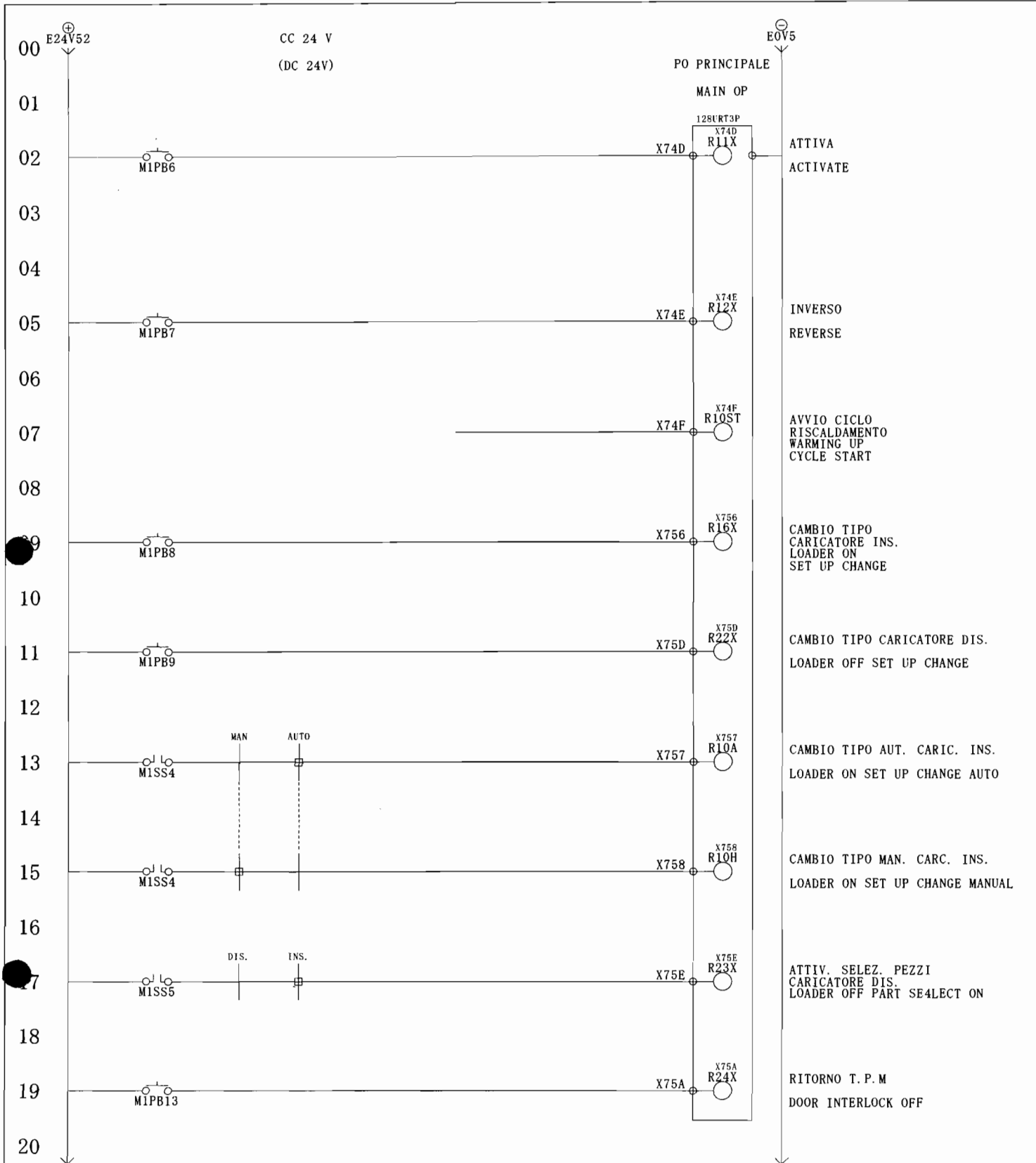
MIR1B	MIR1A	MIR1A	MIR2A	MIR1H	MIR1SU	MICR1H	MIR3A	MIR3A	MIR1MD		
10402	10403 10406 10501 12803 12809 12811 12813 12903 12907 19402	48801	10403 10406 10501 10504 51204 68201	10403 10406 10501 10509 19504 49209 49212 49303	10403 10406 10502 10509 12803 15204 18803 18806 28904 28906	45702	10403 10406 10505 10506 12803 15204 18803 18806 28904 28906	28908 38302 39213 39215 39302 39305 39311	10506 10603		

TOYOTA W/C NUMBER		CONTENTS		DEVICE CODE	
		PARTE TOTALE		M1	
DRAWING NO.		35-80777001		2/103	
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		97	



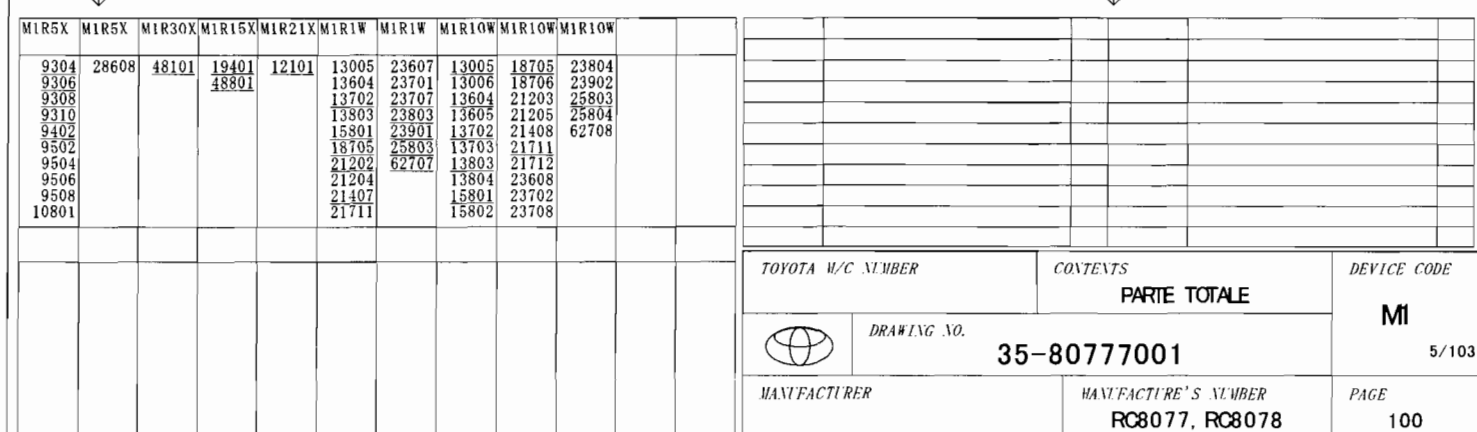
M1R1T	M1R1S	M1R1ST	M1R1ST	M1R1ST	M1R2C	M1R1X	M1R8X	M1R8X	M1R8X	M1R9X	M1R9X
10604	12001	12907	15101	69702	13405	10610	12302	21401	62707	14106	55302
10605	12801	13001	55604		14702		12303	21405		15406	55603
	12803	13404	62702				12307	21406		18804	56002
	12805	13604	62704				12901	21407		28904	56202
	12807	13609	68204				12907	23904		28906	58602
	12809	13802	68206				15803	25003		28908	58802
	12811	14303	68208				18805	48607		29303	58908
	12813	14805	68714				19505	49208		29310	59108
	12901	15005	69006				19506	49211		53103	59308
	12903	15007	69406				21003	49302		53214	59508
M1R9X	M1R9X	M1R10X	M1R10X	M1R10X	M1R13X						
59708	69604	10710	24102	49312	21407						
62505	70802	11614	24107	49314	62707						
62902	71002	13409	24112	49503							
66302	71006	14003	24202	49505							
66507		14711	24204	57608							
66902		15704	24209	57610							
67302		15709	24302	63606							
68710		15714	24304	72402							
69002		18905	24309	72405							
69402		19008	30205								

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		PARTE TOTALE		M1	
DRAWING NO.		35-80777001		3/103	
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		98	



MIR11X	MIR12X	MIR10S	MIR16X	MIR22X	MIR10A	MIR10H	MIR23X	MIR24X			
10601	10601	12002	24006	18803	10707	10708	12204	19506			
10602	10602	13702			23904	23903	15803	25003			
13604	13611	13705					18805	49302			
13611		13909									
		14503									
		28904									
		62705									

TOYOTA W/C NUMBER				CONTENTS				DEVICE CODE			
				PARTE TOTALE				MI			
DRAWING NO.				35-80777001				4/103			
MANUFACTURER				MANUFACTURE'S NUMBER				PAGE			
				RC8077, RC8078				99			



PRINT OUT: 05/10/20

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1: NESSUN INTERBLOCCAGGIO 1:NO INTER
0: INTERBLOCCAGGIO 0: INTERLOCK

0: A RISCALDAMENTO COMPLETATO 0:AFTER WARMING UP COMPLETE
1 : AVVIAMENTO POMPE 1:MASTER ON

K000
KP1

PARAMETRO 1
CICLO RISC. NON BLOCCO
PARAMETER 1
WARM UP CYCLE NO
INTERLOCK

K001
KP2

PARAMETRO 2
POMPA DI REFRIG. MOLA
PARAMETER 2
WHEEL COOLING PUMP

K002
KP3

PARAMETRO 3
GUASTO TRASD. MANDRINO PORTAP.
PARAMETER 3
WORK SP. ENCODER
FAULT

K003
KP4

PARAMETRO 4
PARAMETER 4

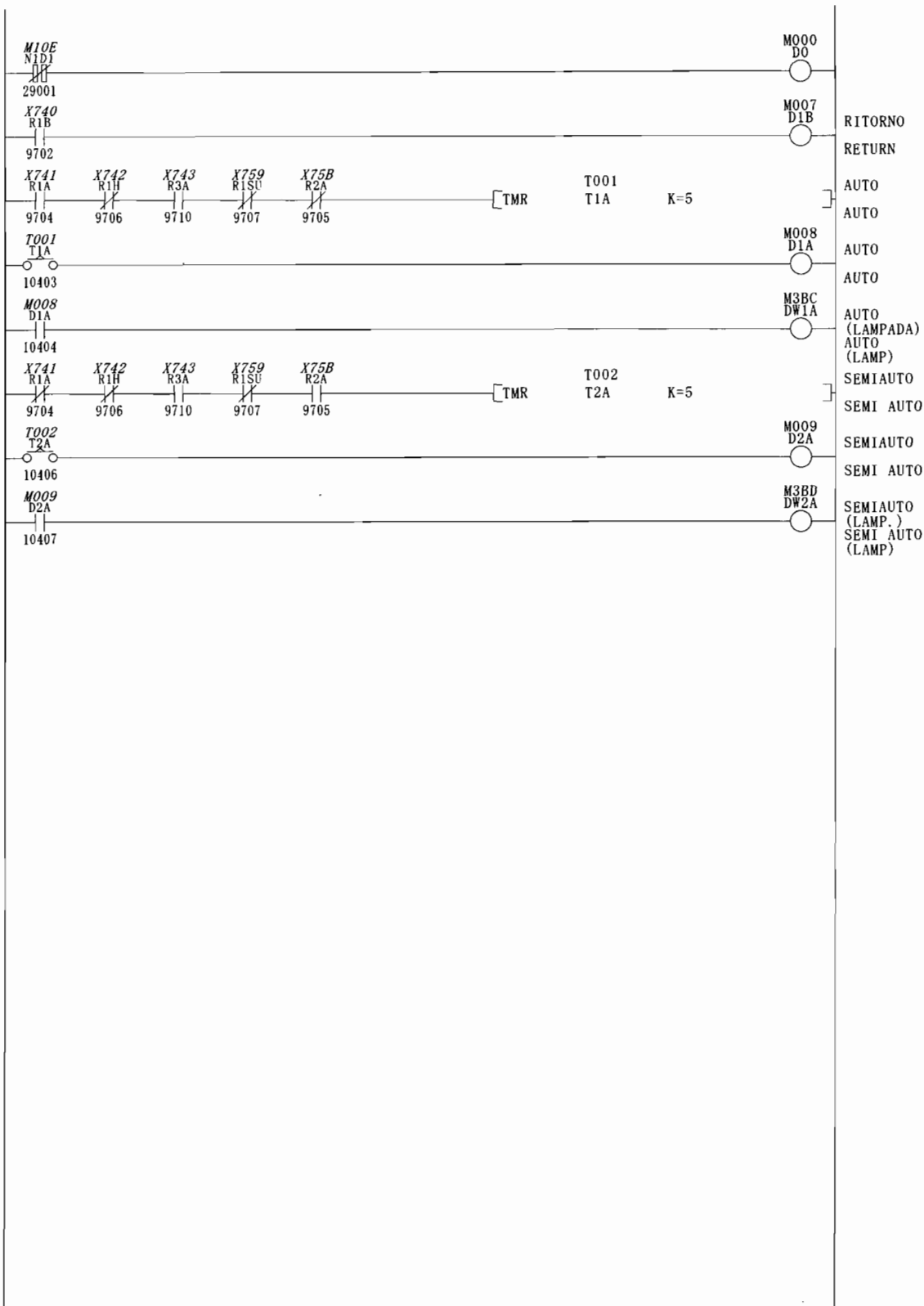
K004
KP5

PARAMETRO 5
MEMORIA POSIZIONE AUTOM.
PARAMETER 5
AUTO POSITION
MEMORY

M1KP1	M1KP1	M1KP2	M1KP3	M1KP4	M1KP5					
13402	70903	63301		14104	29302					
13602		63302		14105	29309					
14104					30007					
62404					30009					
63305					30406					
63602					30408					
68703					30508					
68903					66704					
69303					67104					
70703										

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		PARTE TOTALE		M1	
DRAWING NO.		35-80777001		8/103	
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		103	

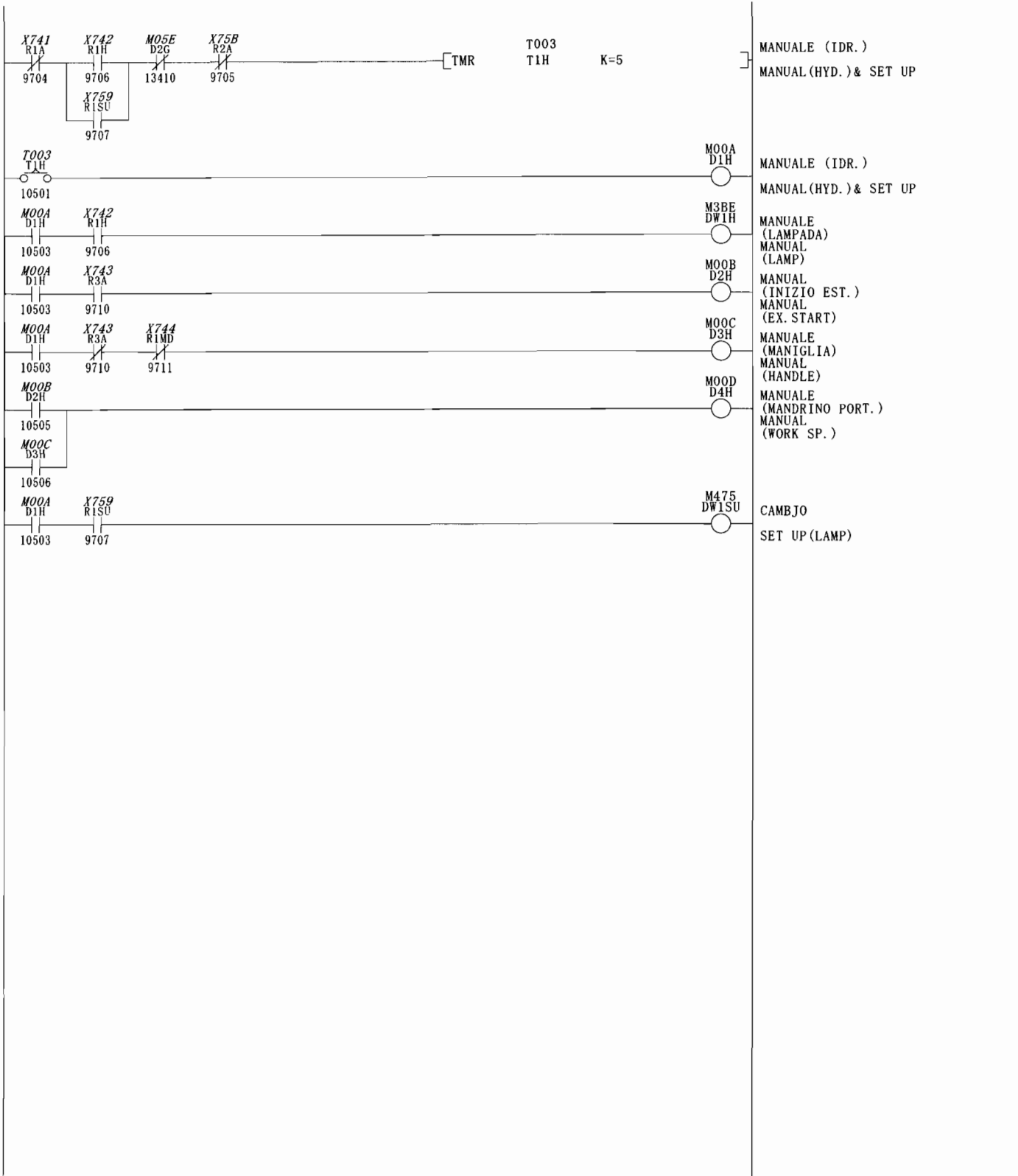
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M1D0	M1D1B	M1T1A	M1D1A	M1D1A	M1DW1A	M1T2A	M1D2A	M1D2A	M1DW2A		
61201	12204 61101 62408 62805 68705 68905 69305 69510 70705 70905	10404	10405 12001 12204 12805 12807 12901 13008 13009 13405 13414	13416 14702 19503 20401 20402 21401 21405 21406 25801	43407	10407	10408 12002 12207 13601 13608 13701 13704 13801 13807 13901	14703 57801 62702	43409		

N1D1	OFF FINTO	290									
TOYOTA M/C NUMBER			CONTENTS			DEVICE CODE					
			PARTE TOTALE			MI			9/103		
			DRAWING NO.			35-80777001					
MANUFACTURER			MANUFACTURE'S NUMBER			PAGE					
			RC8077, RC8078			104					

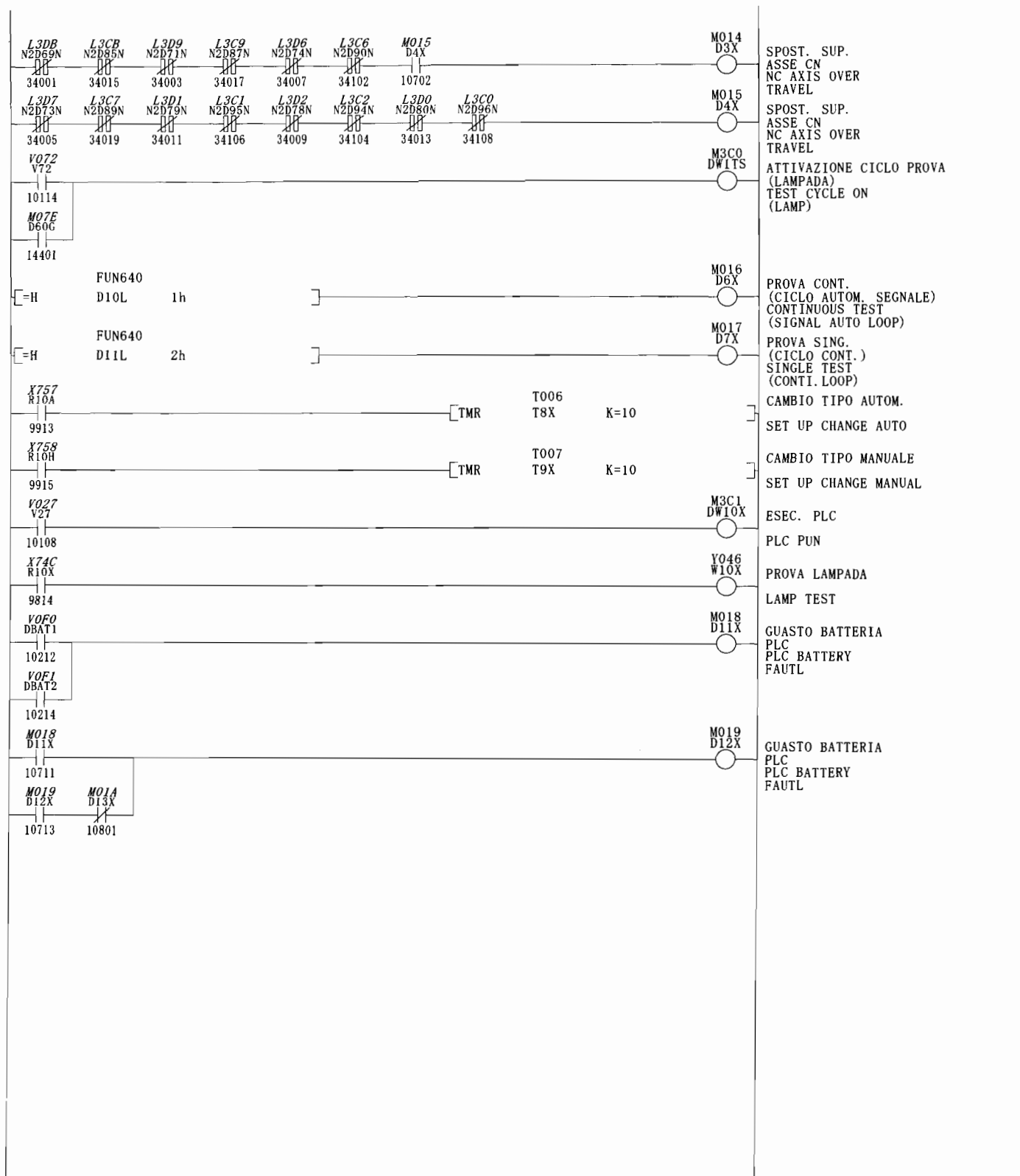
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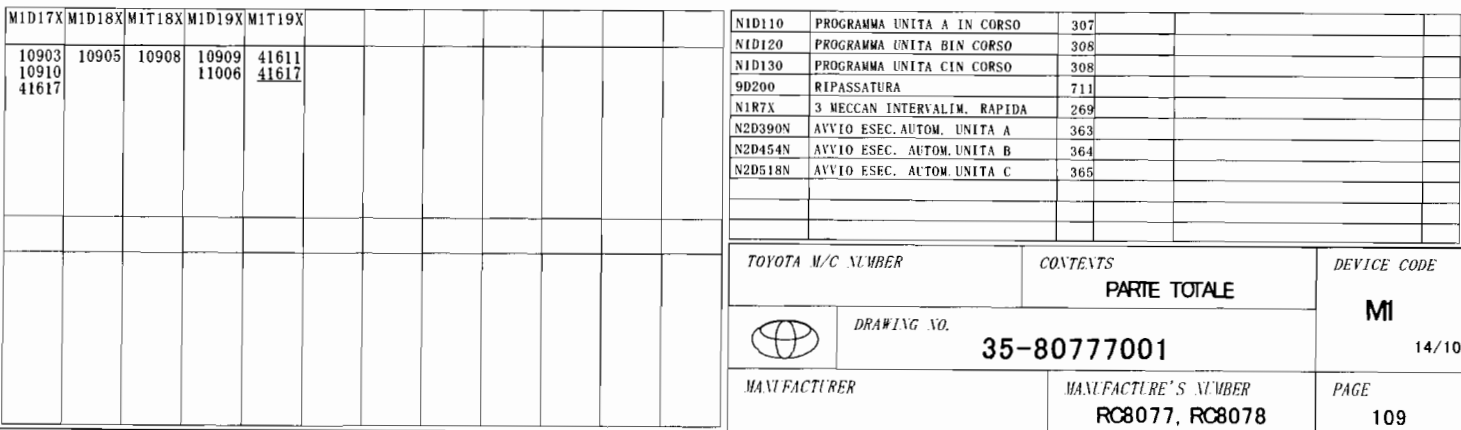


M1T1H	M1D1H	M1D1H	M1DW1H	M1D2H	M1D2H	M1D2H	M1D2H	M1D2H	M1D2H	M1D3H	M1D3H
10503	10504 10505 10506 10509 10601 10602 10603 10606 10607 10610	15701 49401 52605 52703 57003 57103 57201 57204	43411	10507 15405 29102 29105 29203 29302 29309 29502 29505 29702	29705 29902 29905 30102 30105 30302 30305 53011 53203 53209	55301 55601 55603 55604 55909 56109 58201 58507 58601 58801	58907 59107 59307 59507 62503 62504 62901 63009 66105 66301	66506 66705 66901 67105 67301 68709 69001 69108 69401 69603	69803 69807 70101 70202 71001	10508 28401 29101 29104 29501 29504 29701 29704 29901 29904	30101 30104 30301 30304 38310 51210 66505 70303
M1D4H	M1DW1S										
55101 55104	42811										

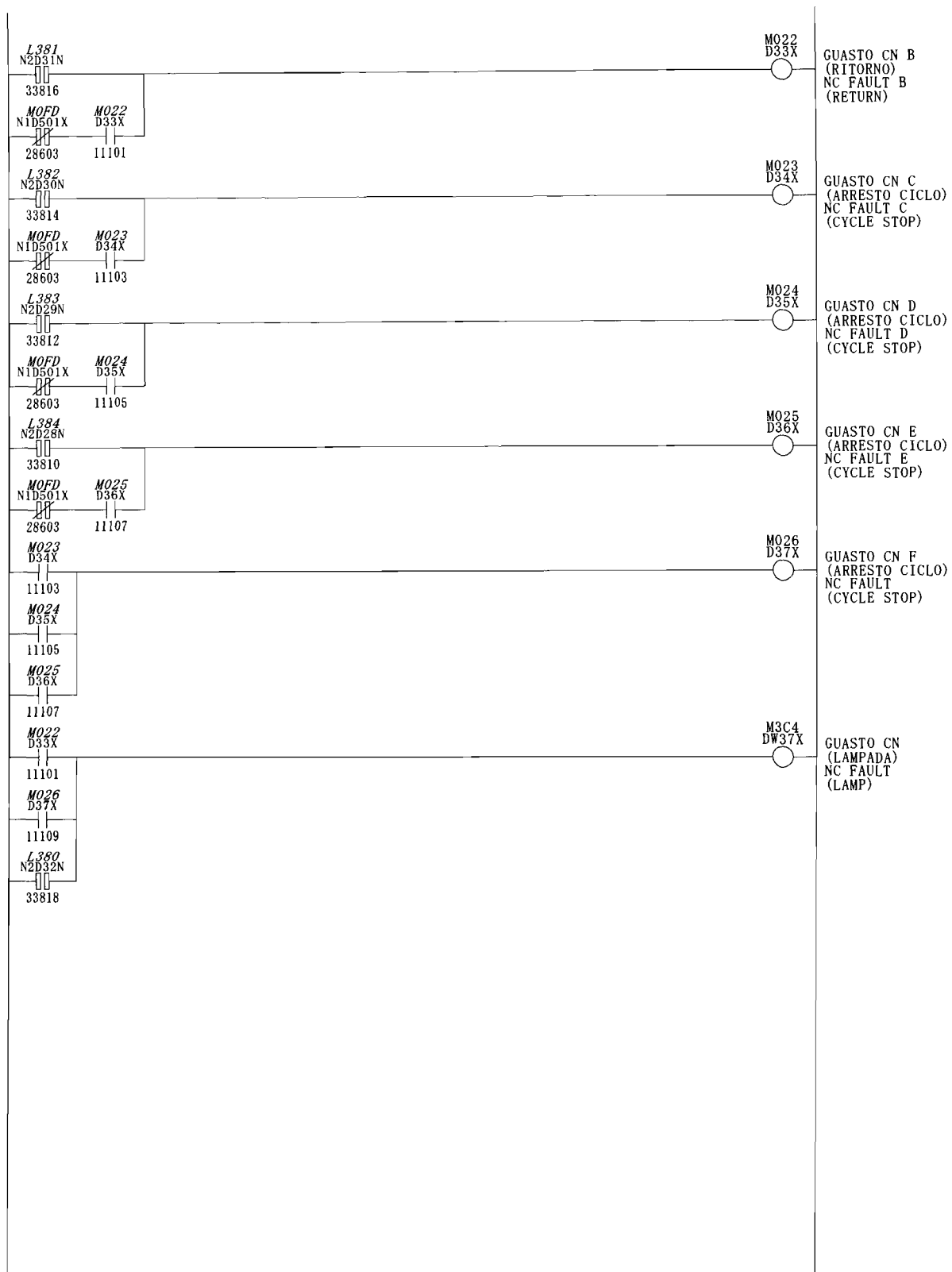
TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		PARTE TOTALE		MI	
		DRAWING NO.		10/103	
		35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		105	

M1D3X

[illegible]



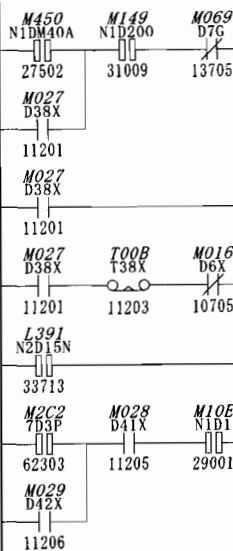
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[illegible]

N2D31N	GUASTO CN B	338		
N1D501X	RESET CN	286		
N2D30N	GUASTO CN C	338		
N2D29N	GUASTO CN D	338		
N2D28N	GUASTO CN E	338		
N2D32N	GUASTO CN A	338		

TOYOTA W/C NUMBER		CONTENTS	DEVICE CODE
		PARTIE TOTALE	M
	DRAWING NO.	35-80777001	16/1
MANUFACTURER	MANUFACTURE'S NUMBER		PAGE
	RC8077, RC8078		111

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TMR

T00B
T38X
K=5

M027
D38X

CONT. CONTATORE CQ E
CONTROLLO QUOT.
COUNT FOR DIARY AND
QUALITY CHECK COUNTER

Y700
W39X

TEMPORIZZATORE PER CONT.
CONTATORE CQ E CONTROLLO QUOT.
TIMER FOR DIARY AND
QUALITY CHECK COUNTER COUNT
CONTATORE PEZZI

M028
D41X

PARTS COUNTER

M029
D42X

CONTATORE
CALCOLO CQ
COUNT UP QUALITY CHECK
COUNTER
CONTATORE CALCOLO
CONTEGGIO DOPO QUALITA
COUNT AFTER QUALITY
COUNTER COUNT UP

MID38X	M1T38X	M1W39X	MID41X	MID42X															
11202	11204	19718	11206	11207															
11203	11301		11304	11301															
11204	26101		11305	11302															
11301																			
26101																			

N1D40A	RETTIF. COMPLETATA CODICE M UNITA A	275			
N1D200	PROGRAMMA CN IN CORSO	310			
N2D15N	CONTEGGIO 2	337			
7D3P	POS. AVVIAM. TESTA PORTAM.	623			
N1D1	OFF FINITO	290			

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		PARTE TOTALE		MI	
		DRAWING NO.		17/103	
		35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		112	

COND. ESEC. CICLO AUTOM. OFF
IN INDIC. TAVOLA
OFF OF AUTO CYCLE
RUN CONDI. AT TABLE INDEX

DRAWING NO. OF STANDARD: MACHINE NAME: CNC PRODUCTION TYPE GRINDER MODEL C3-H3 DRAWN: 00/06/20 REVIEW: 05/10/20 PRINT OUT: 05/10/20

[illegible]

MID89X	MID90X	MID92X	MID94X	MID95X
13401 13601 13701 13807 14702 24001	13405 13601 13701 14702 14708	12301 12304	12209	12301

N1D200	PROGRAMMA CN IN CORSO	310
N2D390N	AVVIO ESEC.AUTOM. UNITA A	363
N2D392N	ESECUZ. AUTOM.UNITA A	363
N2D385N	DISTRIBUZIONE UNITA ACOMPLETATA	363
N1D530X	BATTERIA CNCNORMALE	286
N1D620X	COND. ESEC. AVVIO EST.	289
T1D47	ANTERIORE DIMACCHINA CHIUSO	493
V1DK7	CAMBIO MOLA POS. MEMORIACompleT.	305
9K1	IUPOST. COMPLETA.M.RIPASSATURA GREZZA	691
N1D500X	NORMALE CN	286
7T1	ROTAZIONEMANDRINO PORTAM.	623

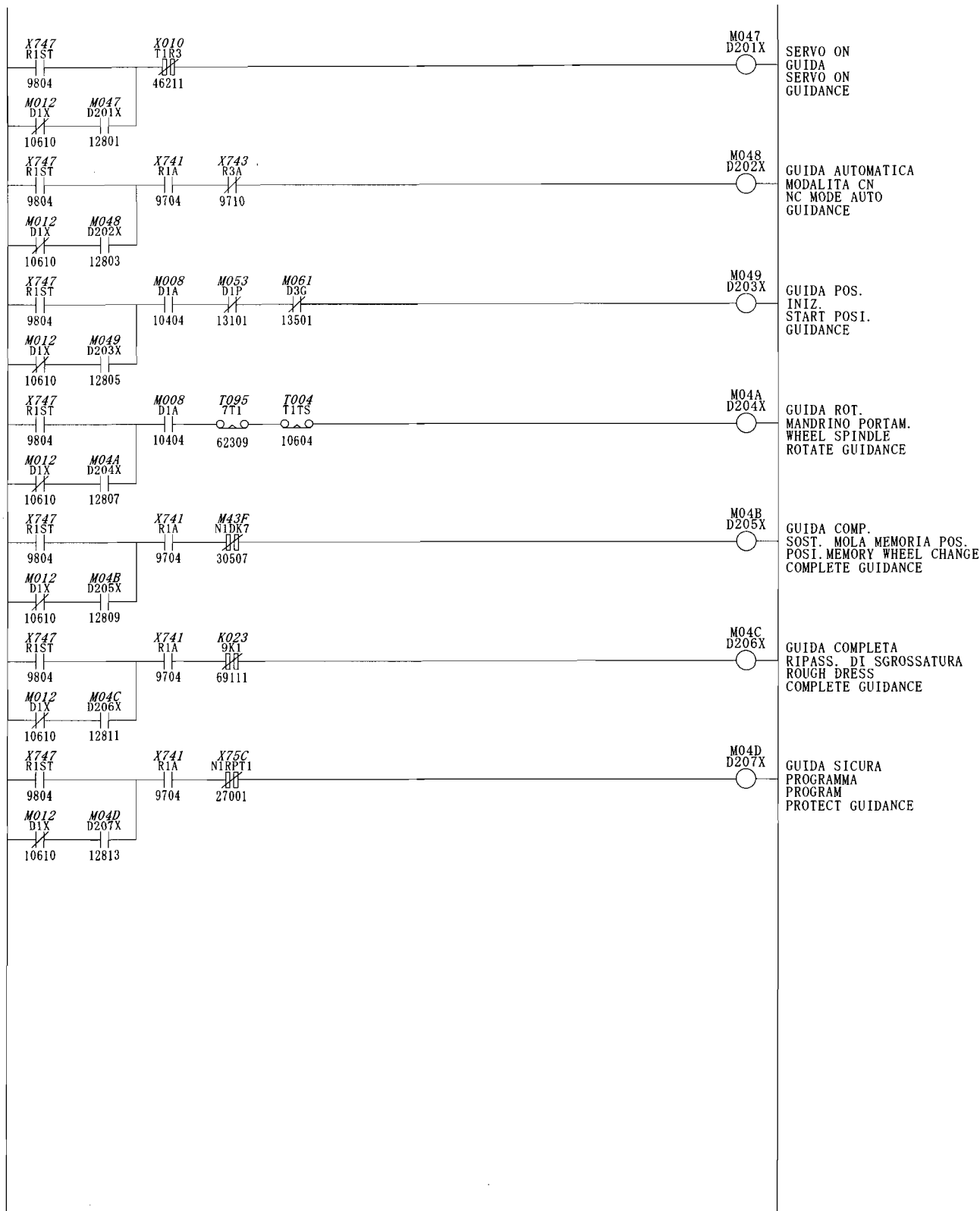
TOYOTA W/C NUMBER		CONTENTS	DEVICE CODE
		PARTIE TOTALE	
		DRAWING NO. 35-80777001	M1 27/10
MANUFACTURER		MANUFACTURE'S NUMBER RC8077, RC8078	PAGE 122

DRAWING NO. OF STANDARD: MACHINE NAME: CNC PRODUCTION TYPE GRINDER MODEL CO-63 DRAWN: 00/06/20 REVIEW: 05/10/20 PRINT OUT: 05/10/20

MIT14

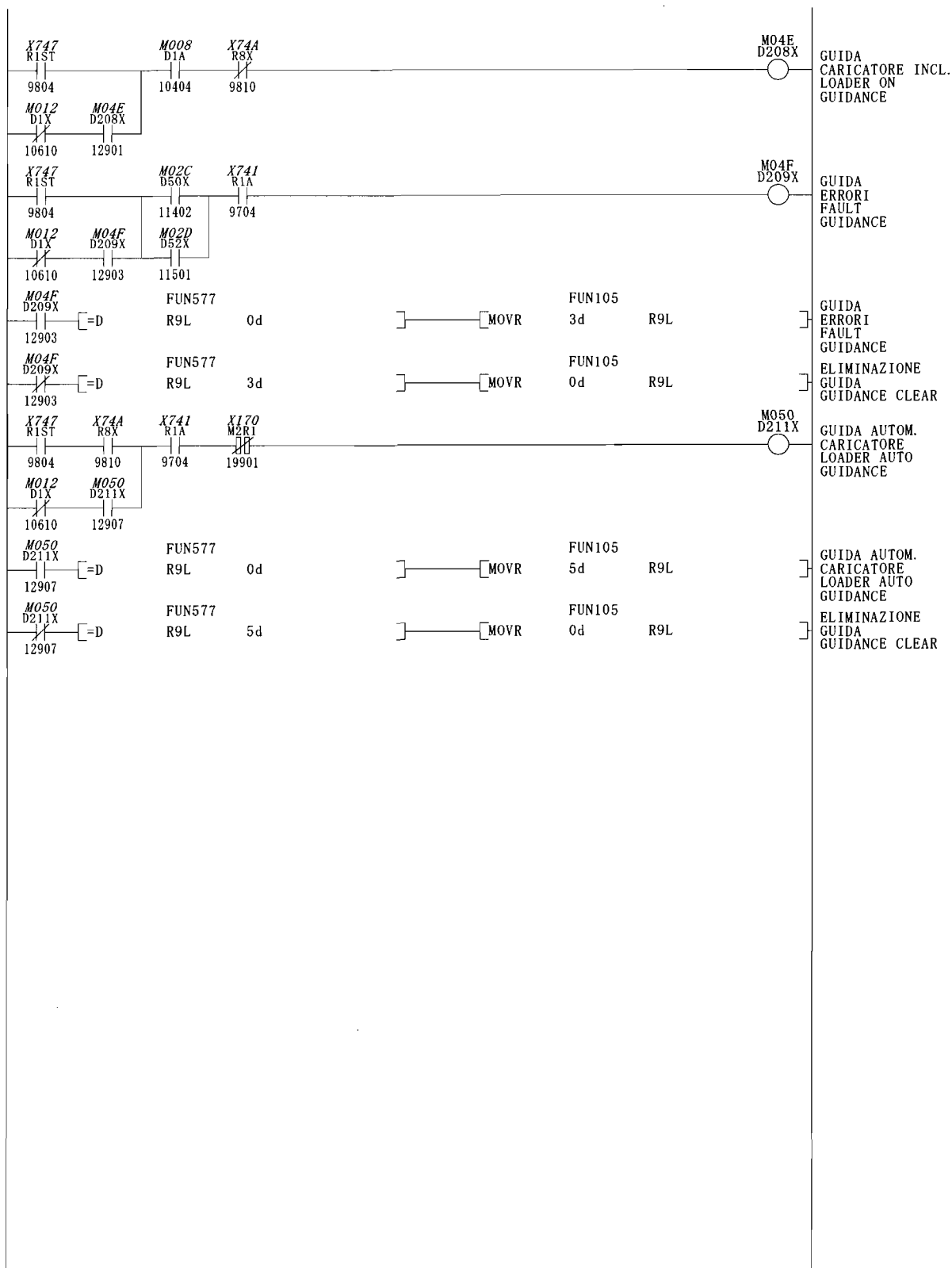
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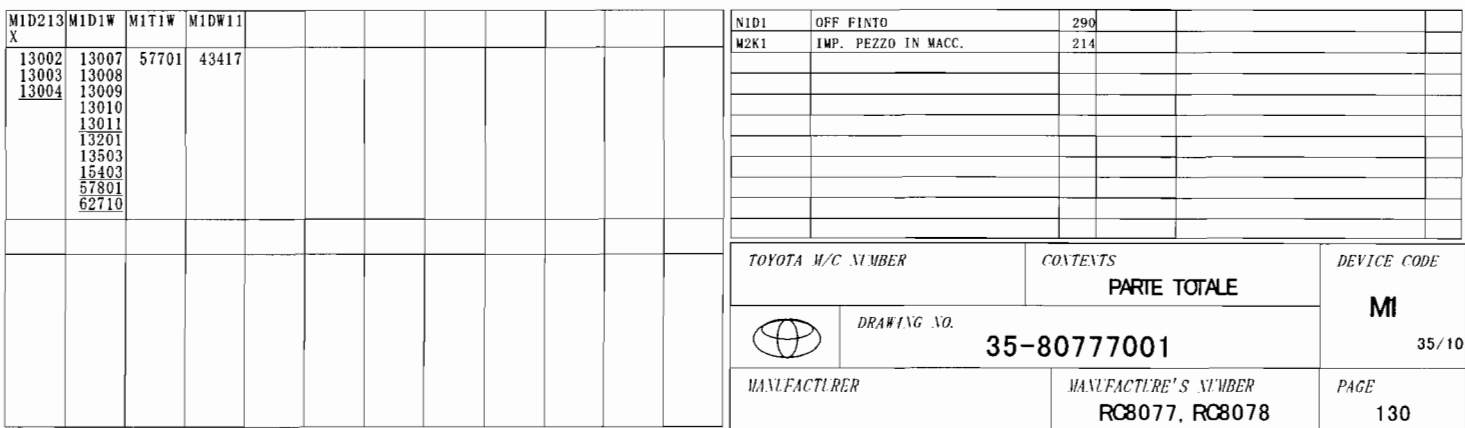
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[illegible][illegible]

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		PARTE TOTALE	
	DRAWING NO.		Mi
35-80777001		33/103	
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	128

20

[illegible][illegible]



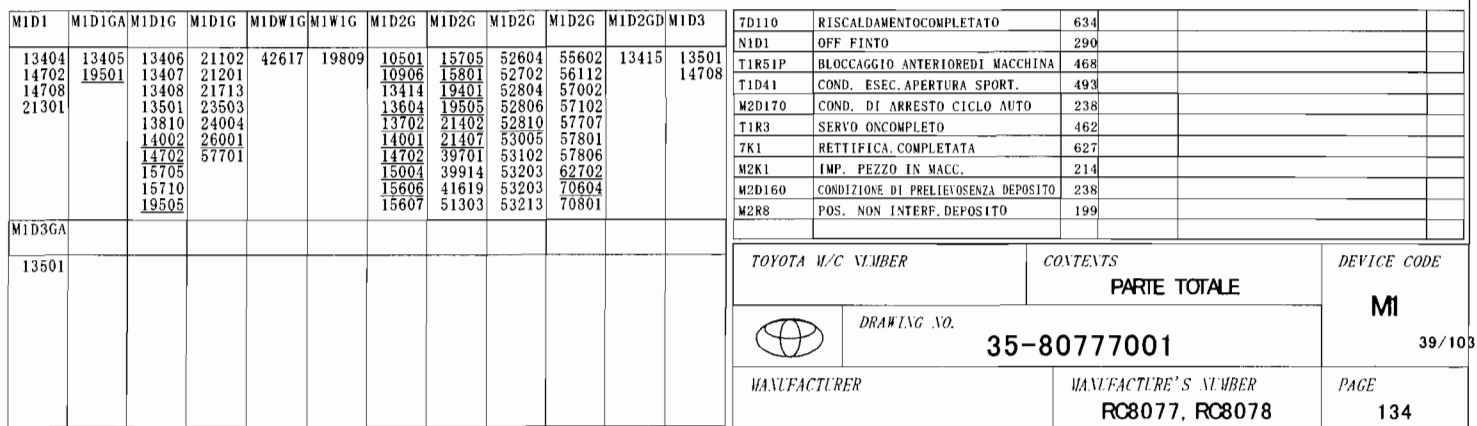
POSIZ.
 INIZ.
 START
 POSITION
 SUPPORTO POS.
 PART. MACCHINA
 M/C HOME
 POSI. SUPPORT
 SUPPORTO POS.
 PART. MACCHINA
 M/C HOME
 POSI. SUPPORT
 POS. PART. SEMIAUTO
 MACCHINA
 M/C SEMI AUTO
 HOME POSI.

 POS. PART.
 MACCHINA
 M/C HOME
 POSI.
 POS. PART. TUTTE
 LE UNITA (LAMPADA)
 ALL UNIT HOME
 POSI. (LAMP)
 POS. PART.
 ASSE CN
 NC AXIS HOME
 POSI.
 POS. PART. PROVA AUTOM.
 SING.
 SINGE AUTO
 TEST HOME POSI.

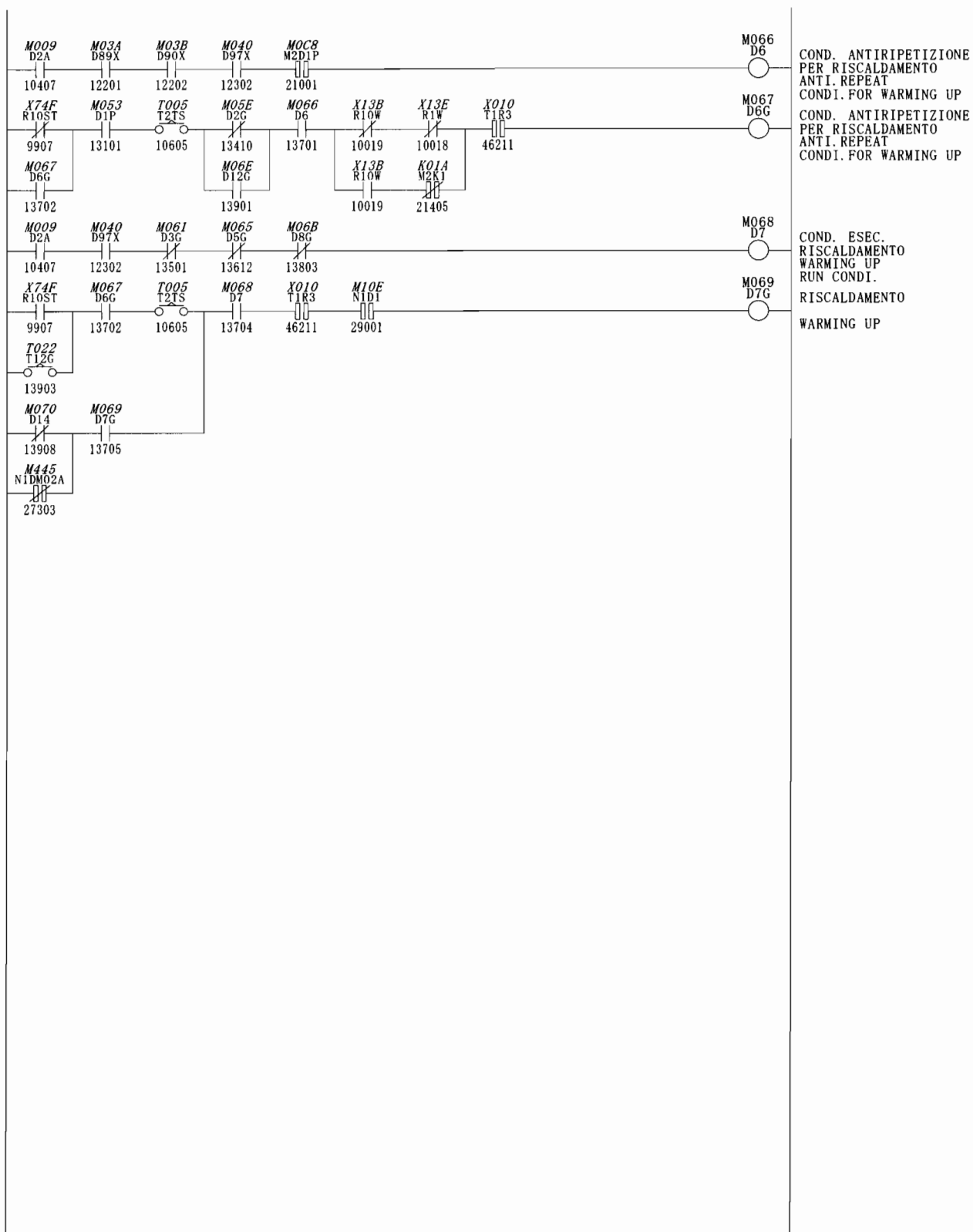
M1D1P	M1D2P	M1D2AP	M1D3AP	M1D3P	M1DW3P	M1D4P	M1D5P
12805 13201 13401 13604 13702 14702	13104 13110 15801 <u>18810</u> 57803	15802	13107 13605 <u>13613</u> 13804 <u>13805</u> 13910 14104 57801 62702	10901 10907 13108 13301 13401 13402 13414 13418 13502 <u>13610</u>	14001 21201 21402 48801	43415 	13104 13110 25803 25901 <u>26002</u> 62703

4T1	CONFERMAARR. MANDR. PORTAP.	545	4D3P	POS. INIZ (POS. PEZZO)MANDRINO PORTAP.	545
7D25P	POSIZ. INIZIALETESTA PORTAM.	623	4D1P	RIT. CENTROTESTA PORTAP.	545
4D11P	LUN. AUTOM. RIT.	545			
4K2	IMP. CONFERMA INSER.PERNO COMANDO	557			
1D1P	CENTRO CONTROPUNTARIT.	524			
1D11P	MANDRINORILASC.	524			
TIW5	POMPA IDR. ON	488			
TI16	POMPA IDR.	488			
1D19	RILASCIO MANDRINO	527			
5D1P	SPORTELLO APERTO	576			
6D3P	POS.2 INIZIALE TAV. C/ALICIA TAV. POSIZ. PEZZO	582			

TOYOTA W/C NUMBER		CONTENTS	DEVICE CODE
		PARTE TOTALE	MI
	DRAWING NO.		
35-80777001			36/103
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	131

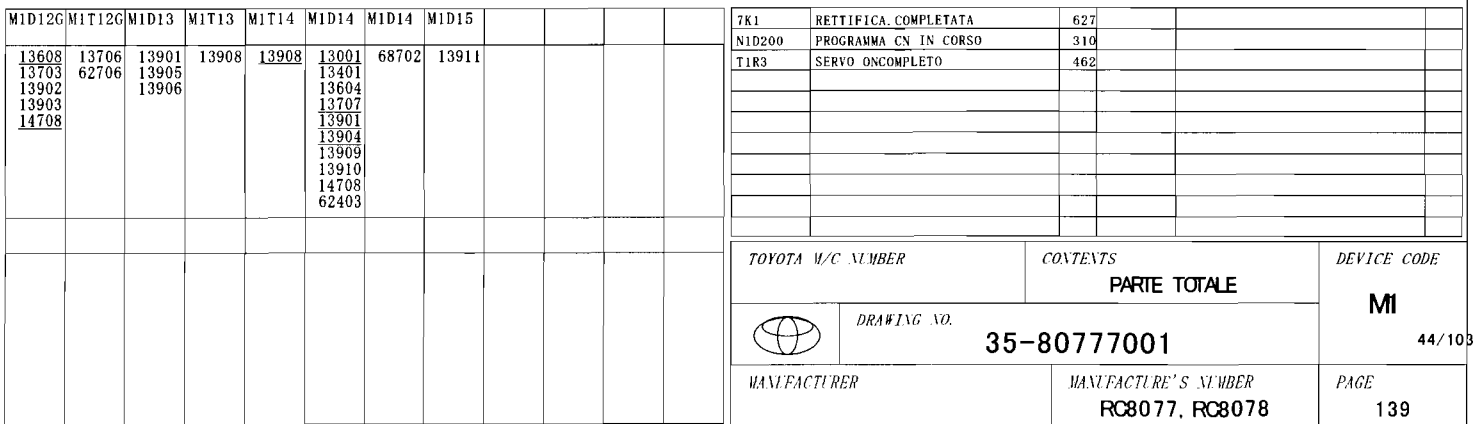


MID6

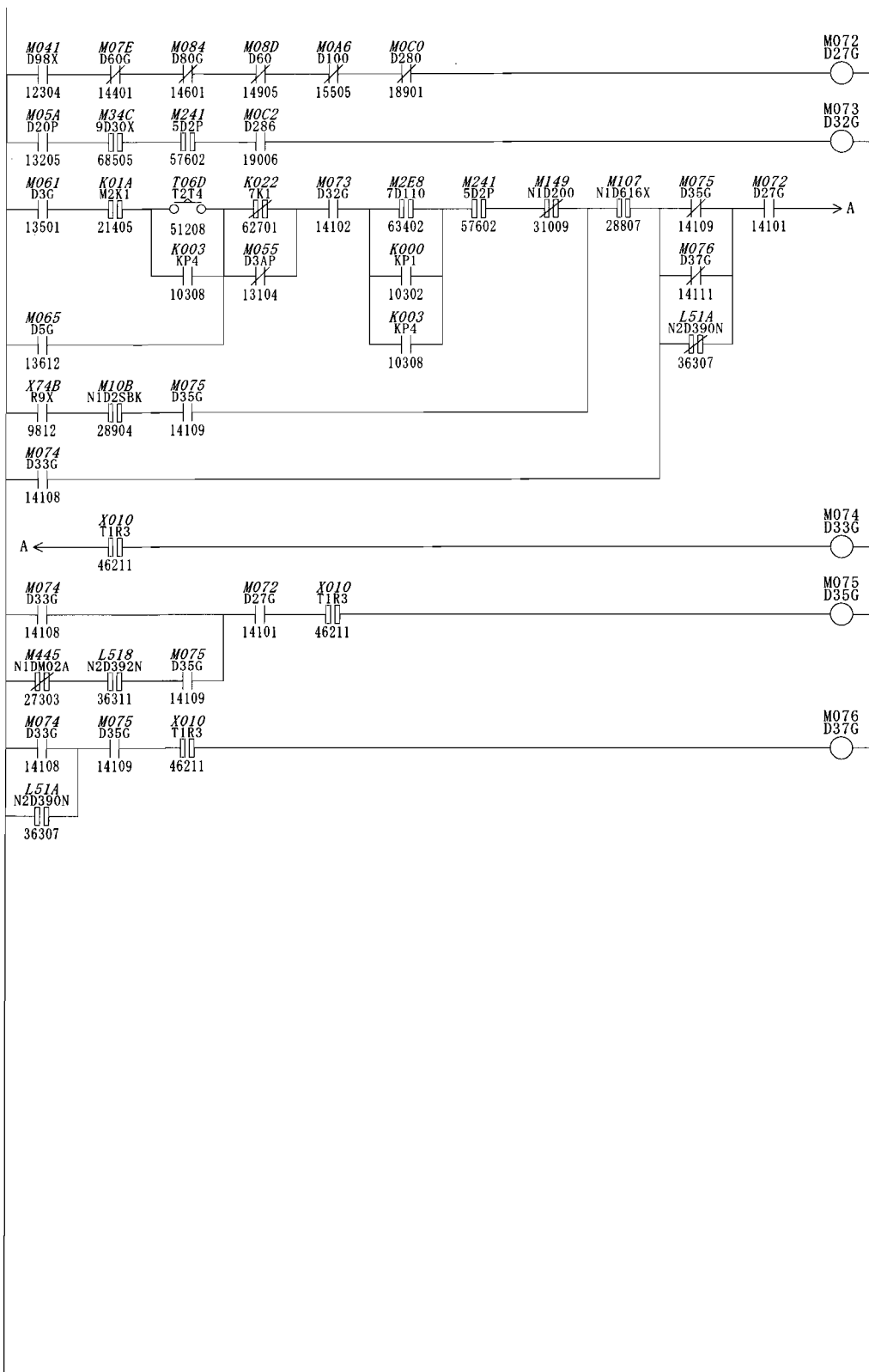
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M2D1P	NON INTERF. CARICATORE	210			
T1R3	SERVO ONCOMPLETE	462			
M2K1	IMP. PEZZO IN MACC.	214			
N1D1	OFF FINTO	290			
N1DM02A	FINE ARRESTOCODICE M UNITA A	273			

TOYOTA W/C NUMBER		CONTENTS	DEVICE CODE
		PARTE TOTALE	MI 42/1
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COND. ESEC. CICLO CN
NC CYCLE RUN CONDI.
COND. AVVIO CICLO CN
NC CYCLE START CONDI.
ATTIVAZIONE
CICLO NC
NC CYCLE
CYCLE ON
SELEZ. CICLO CN
(NON OFF PER SBK)
NC CYCLE SELECT
(NOT OFF AT SBK)
SELEZ. CICLO CN
(OFF PER SBK)
NC CYCLE SELECT
(OFF AT SBK)

MID27G	MID32G	MID33G	MID35G	MID37G															
14103 14109	14103	14107 14109 14111 14203	14103 14106 14201 14111 14202 14204	14104 14205															

9D30X	AVVIO PERRAVVIV. CONTATTO	685	NIDM02A	FINE ARRESTOCODICE M UNITA A	273
5D2P	SPORTELLLO CHIUSO	576	N2D392N	ESECUZ. AUTOM.UNITA A	363
M2K1	IWP. PEZZO IN MACC.	214			
T2T4	TEMPORIZZATOREREFRIG. ON	512			
7K1	RETTIFICA.COMPLETATA	627			
7D110	RISCALDAMENTO.COMPLETATO	634			
NID200	PROGRAMMA CV IN CORSO	310			
NID616X	COND. AVVIO EST. A(OGNI AVVIO)	288			
N2D390N	AVVIO ESEC.AUTOM. UNITA A	363			
NID2SHK	CONTR. DIS. PULS. BLOCCO SING.(UNITA A)	289			
TIR3	SERVO ONCOMPLETO	462			

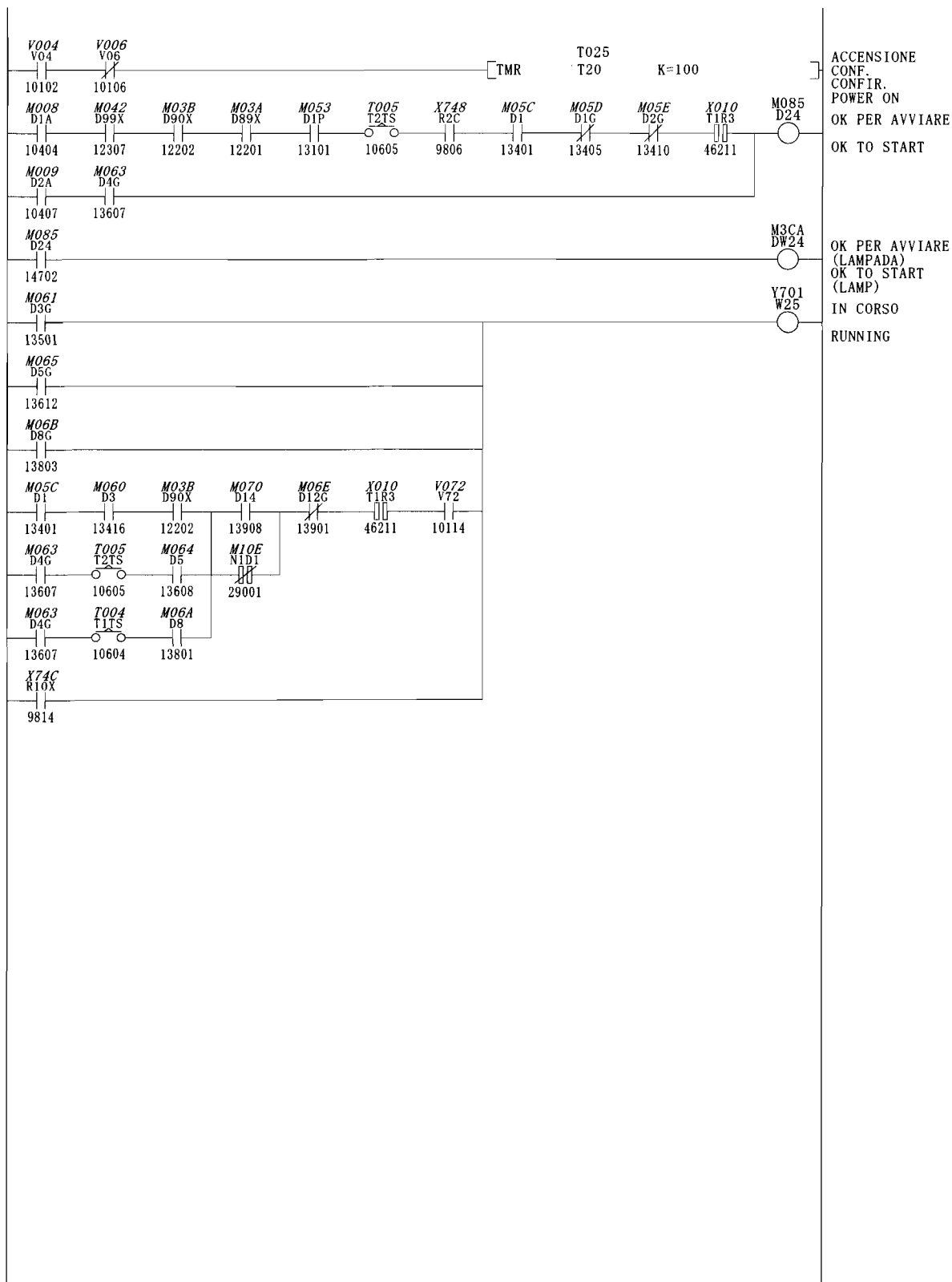
TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		PARTE TOTALE	MI
		DRAWING NO.	46/103
		35-80777001	
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SEGNALE SELEZIONE
CICLO PROVA CN UNITA A
NC TEST CYCLE UNIT A
SELECT SIGNAL

SEGNALE AVVIO
CICLO CN TEST UNITA A
NC TEST CYCLE UNIT A
START SIGNAL

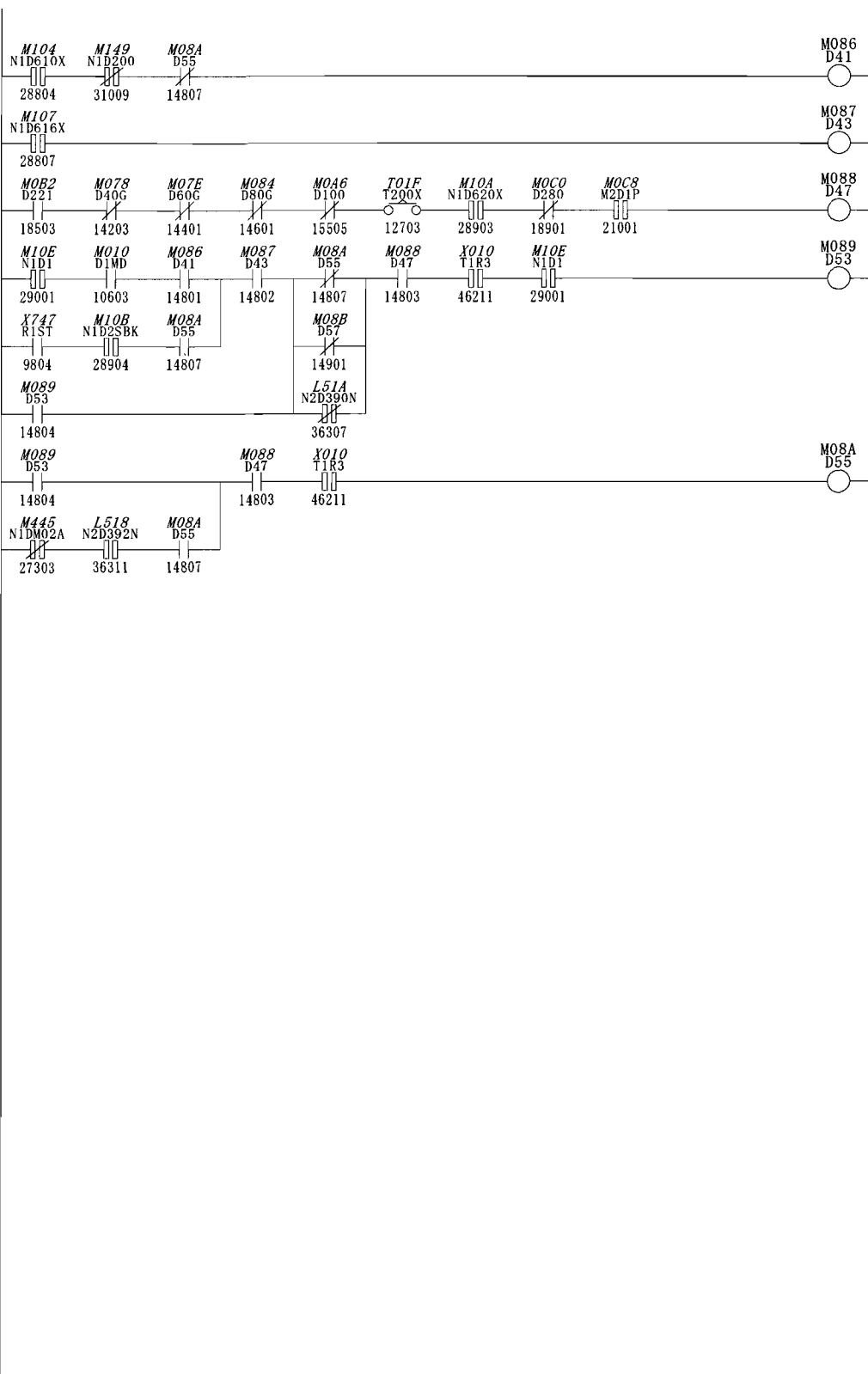
DRAWING NO. OF STANDARD: MACHINE NAME: CNC PRODUCTION TYPE CENTER MOTO CO-H3 DRAWN: 00/06/20 REVIEW: 05/10/20 PRINT OUT: 05/10/20

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[illegible][illegible]

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		PARTIE TOTALE	MI
	DRAWING NO.	35-80777001	52/1
MANUFACTURER	MANUFACTURE'S NUMBER		PAGE
	RC8077, RC8078		147

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```
COND. AVVIO RICERCA PROGRAMMA.  
(ALL' AVVIO)  
PROGRAM SERCH START CONDI.  
(AT START)  
  
COND. ESEC. RICERCA PROGRAMMA  
(A OGNI AVVIO)  
PROGRAM SERCH START CONDI.  
(AT EVERY START)  
  
COND. ESEC.  
RICERCA PROGRAMMA  
PROGRAM SERCH  
RUN CONDI.  
  
ATTIVAZIONE PULSANTE  
RICERCA PROGRAMMA  
PROGRAM SERCH  
PB ON
```

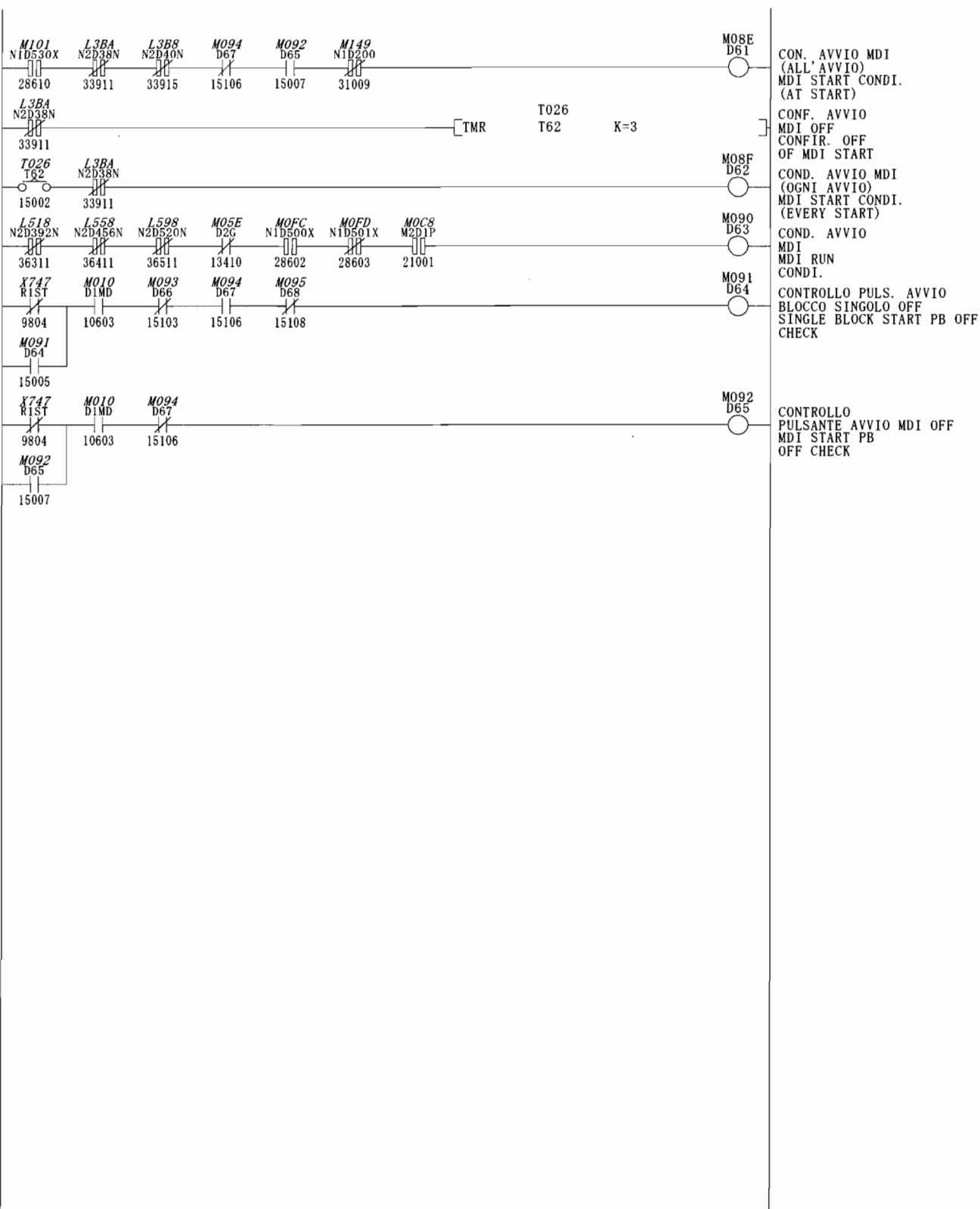
SELEZ. PROGRAMMA RICERCA
(NON OFF PER SBK)
PROGRAM SERCH SELECT
(NOT OFF AT SBK)

[illegible]

N1D610X	COND. AVVIO EST. A(ALL' AVVIO)	288			
N1D200	PROGRAMMA CN IN CORSO	310			
N1D616X	COND. AVVIO EST. A(OGNI AVVIO)	288			
N1D620X	COND. ESEC. AVVIO EST.	289			
M2D1P	NON INTERF. CARICATORE	210			
N1D1	OFF FINTO	290			
T1R3	SERVO ONCOMPLETO	462			
N1D25BK	CONTR. DIS. PULS. BLOCCO SING. (UNITA A)	289			
N2D390N	AVVIO ESEC. AUTOM. UNITA A	363			
N1D002A	FINE ARRESTOCODICE M UNITA A	273			
N2D392N	ESECUZ. AUTOM. UNITA A	363			

TOYOTA W/C NUMBER		CONTENTS	DEVICE CODE
		PARTE TOTALE	MI 53/1
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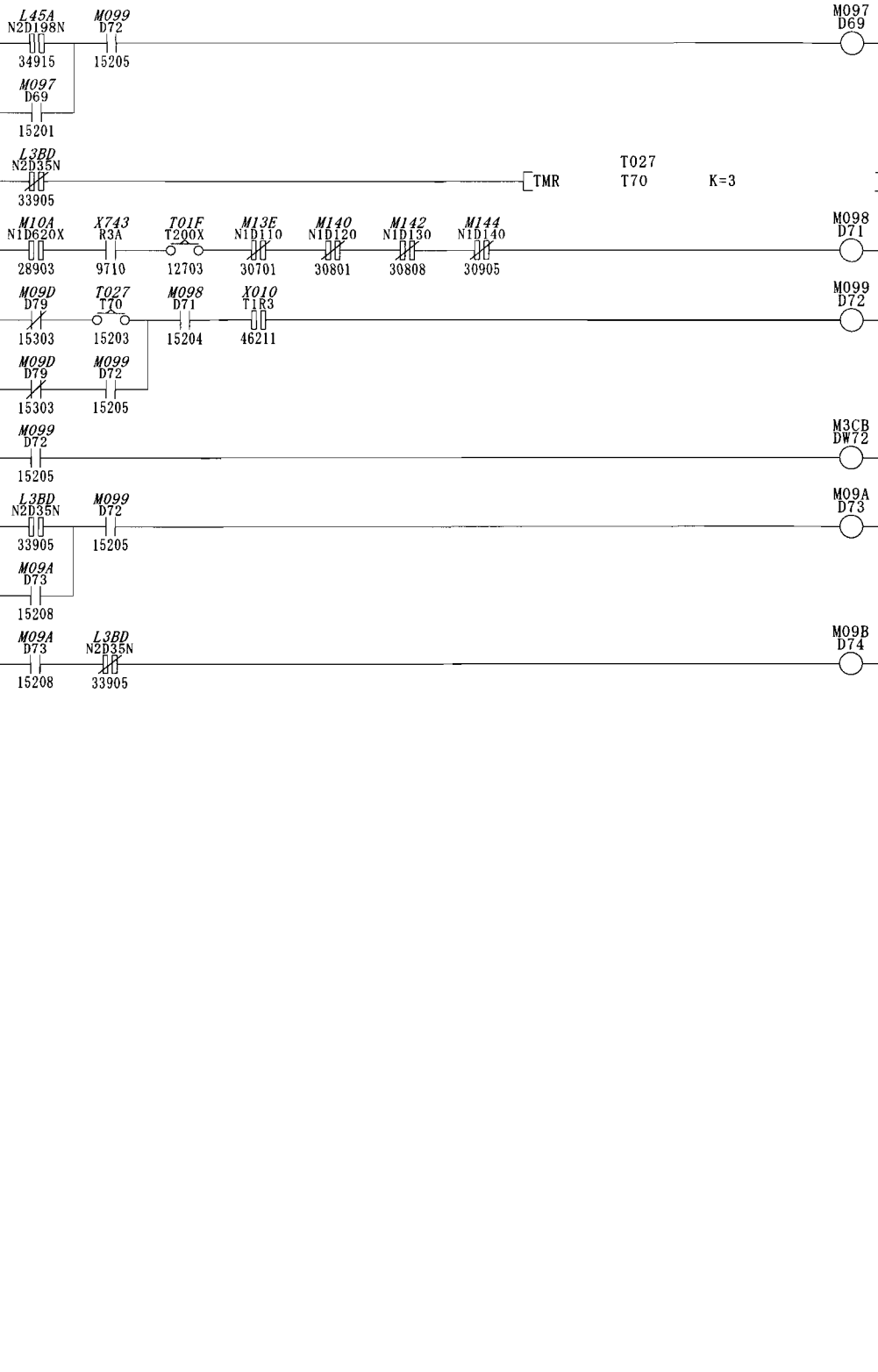
M1D6

[illegible]

[illegible]

DRAWING NO. OF STANDARD: MACHINE NAME: CNC PRODUCTION TYPE
CA NCR MODEL CCH-83 DRAWN: 00/06/20 REVIEW: 05/10/20 PRINT OUT: 05/10/20

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CONF. INDIC. COMPL.
SCANSIONE MACRO UNITA F ATTIVA
UNIT F SCANNING MACRO ACTIVE
CMPLTE FLUG COMFIR.

TEMPORI. AVVIO CICLO SELEZIONE
SCANSIONE MACRO
SCANNING MACRO
SELECT CYCLE START TIMER

COND. ESEC. CICLO SELEZ.
SCANSIONE MACRO
SCANNING MACRO
SELECT CYCLE RUN CONDI.

CICLO SELEZ. SCANSIONE MACRO
(SCANSIONE MACRO)
SCANNING MACRO SELECT CYCLE
(SCANNING MACRO)

CALCOLO IN CORSO
RETTIFICA DATI
GRIND. DATE
CALCULATE INPRO.

MEMORIA
AVVIO SCANSIONE MACRO
MEMORY OF
SCANNING MACRO START

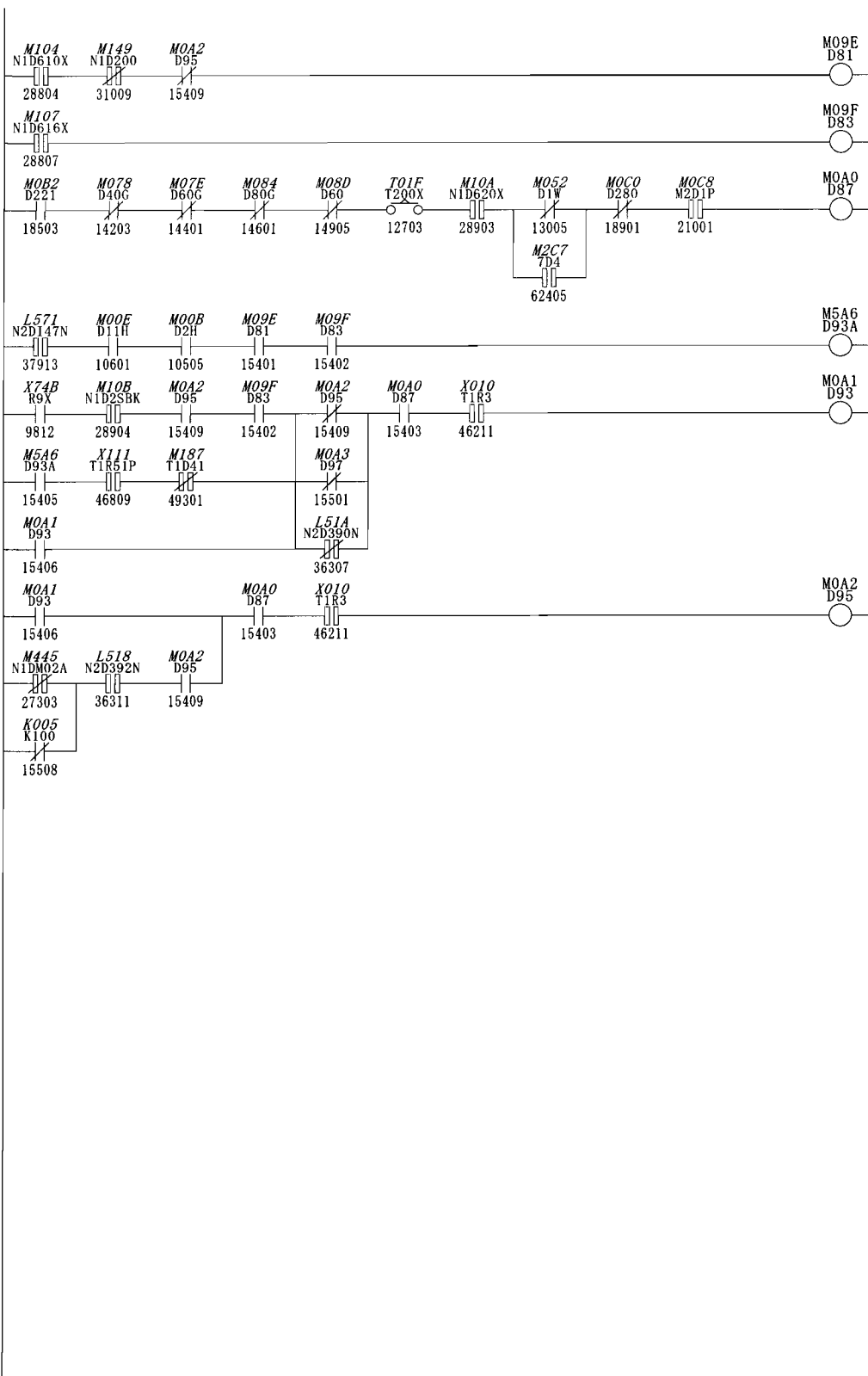
SCANSIONE MACRO
COMPLETATA
COMPLETE
SCANNING MACRO

MID69	MID70	MID71	MID72	MIDW72	MID73	MID74					
15202 15303 40308	15205	15205	15201 15206 15207 15208 15301 15302 18502	42708	15209 15210						

N2D198N	USCITA DATI 70SCANSIONE MACRO (LIV. F)	349		
N2D35N	ESEC. SCANSIONEMACRO 3	339		
NID620X	COND. ESEC. AVVIO EST.	289		
NID110	PROGRAMMA UNITA A IN CORSO	307		
NID120	PROGRAMMA UNITA BIN CORSO	308		
NID130	PROGRAMMA UNITA CIN CORSO	308		
NID140	PROGRAMMA UNITA DIN CORSO	309		
TIR3	SERVO ONCOMPLETO	462		

TOYOTA W/C NUMBER		CONTENTS		DEVICE CODE	
		PARTE TOTALE		MI	
		DRAWING NO.		57/103	
		35-80777001			
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COND. AVVIO ESEC.
CAMPION. PROFILO (AVVIO)
PROFILE SAMPLING
START CONDI. (START)

COND. AVVIO CAMP. PROFILO
(A OGNI AVVIO)
PROFILE SAMPLING START CONDI.
(EVERY AT START)

COND. ESEC. CAMP. PROFILO
(A OGNI AVVIO)
PROFILE SAMPLING RUN CONDI.
(EVERY AT START)

ATTIVAZ. PULSANTE
CAMP. PROFILO
PROFILE
SAMPLING PB ON

ATTIVAZ. PULSANTE
CAMP. PROFILO
PROFILE
SAMPLING PB ON

SELEZ. CAMPIONATURA PROFILO
(NON OFF PER SBK)
PROFILE SAMPLING SELECT
(NOT OFF AT SBK)

M1D81	M1D83	M1D87	M1D93A	M1D93	M1D95														
15405	15405 15406	15406 15409	15407 19501	15408 15409 15501 15505	15401 15406 15406 15410 15501 15504 15506														

N1D610X	COND. AVVIO EST. A(ALL'AVVIO)	288	N2D390N	AVVIO ESEC. AUTOM. UNITA A	363
N1D200	PROGRAMMA CN IN CORSO	310	N1DM02A	FINE ARRESTOCODICE M UNITA A	273
N1D616X	COND. AVVIO EST. A(OGNI AVVIO)	288	N2D392N	ESECUZ. AUTOM. UNITA A	363
N1D620X	COND. ESEC. AVVIO EST.	289			
M2D1P	NON INTERF. CARICATORE	210			
T04	CONDIZIONE 1 CICLO RETTIFICA	624			
N2D147N	SEGNAL. INTERR. 47CAMPIONATURA PROFILO	379			
N1D2SBK	CONTR. DIS. PULS. BLOCCO SING. (UNITA A)	289			
T1R3	SERVO ONCOMPLETO	462			
T1R51P	BLOCCAGGIO ANTERIOREDI MACCHINA	468			
T1D41	COND. ESEC. APERTURA SPORT.	493			

TOYOTA W/C NUMBER		CONTENTS		DEVICE CODE	
		PARTE TOTALE		MI	
		DRAWING NO.		59/103	
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CAMPIONATURA PROFILO
AVVIO (OFF PER SBK)
PROFILE SAMPLING
START (OFF AT SBK)

SEGNALE AVVIO
CAMP. PROFILO UNITA A
PROFILE SAMPLING UNIT A
START SIGNAL

AVVIO CAMPIONATURA
PROFILO
PROFILE
SAMPLING START

AVVIO CAMPION.
PROFILO
PROFILE
SAMPLING START

IMP. CAMP. COMPLET.
(SENZA DISPOSITIVO DI BLOCCO)
SAMPLING COMPLETE SET
(NOT INTERLOCK)

RESET
CAMP. COMPL.
SAMPLING COMPLETE
RESET

[illegible]

N2D192N	USCITA DATI G4COMP. CONTR. ESIST. DATI	349				
N1D190	PROGRAMMA CNIN CORSO	310				
N3D2N	MODALITA MDI	383				
N2D199N	USCITA DATI 71SCANSIONE MACRO (LIV. E)	349				
N1DM40A	RETTIF. COMPLETATA CODICE N UNITA A	275				
7K1	RETTIFICA COMPLETATA	627				
T1R3	SERVO ONCOMPLETO	462				

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		PARTIE TOTALE	MI 61/1
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M41F
DK165R

K165

IMP. SELEZ. PARTI 1	
PARTS SELECT 1 SET	
RESET SELEZ. PARTI 1	
PARTS SELECT 1 RESET	
IMP. SELEZ. PARTI 2	
PARTS SELECT 2 SET	
RESET SELEZ. PARTI 2	
PARTS SELECT 2 RESET	
IMP. SELEZ. PARTI 3	
PARTS SELECT 3 SET	
RESET SELEZ. PARTI 3	
PARTS SELECT 3 RESET	
IMP. SELEZ. PARTI 4	
PARTS SELECT 4 SET	
IMP. SELEZ. PARTI	
PARTS SELECT 4 RESET	
IMP. SELEZ. PARTI 5	
PARTS SELECT 5 SET	
RESET SELEZ. PARTI 5	
PARTS SELECT 5 RESET	

[illegible]

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M420
DK166S
16501
M421
DK166R
16503
M422
DK167S
16601
M423
DK167R
16603
M424
DK168S
16701
M425
DK168R
16703
M426
DK169S
16801
M427
DK169R
16803
M428
DK170S
16901
M429
DK170R
16903

K00B
K166
(S)
K00B
K166
(R)
K00C
K167
(S)
K00C
K167
(R)
K00D
K168
(S)
K00D
K168
(R)
K00E
K169
(S)
K00E
K169
(R)
K00F
K170
(S)
K00F
K170
(R)

IMP. SELEZ. PARTI 6
PARTS SELECT 6 SET
RESET SELEZ. PARTI 6
PARTS SELECT 6 RESET
IMP. SELEZ. PARTI 7
PARTS SELECT 7 SET
RESET SELEZ. PARTI 7
PARTS SELECT 7 RESET
IMP. SELEZ. PARTI 8
PARTS SELECT 8 SET
RESET SELEZ. PARTI 8
PARTS SELECT 8 RESET
IMP. SELEZ. PARTI 9
PARTS SELECT 9 SET
RESET SELEZ. PARTI 9
PARTS SELECT 9 RESET
IMP. SELEZ. PARTI 10
PARTS SELECT 10 SET
RESET SELEZ. PARTI 10
PARTS SELECT 10 RESET

MIK166	MIK166	MIK167	MIK167	MIK168	MIK169	MIK169	MIK170				
12606	39115	12607	26212	12608	12609	39109	12610				
18306		18307	26304	18308	18309		18310				
19113		19104	39113	19209	19105		19301				
19203		19114		24509	19210		24415				
24413		19204		24708	24405		24511				
24503		24404		26309	24510		24710				
24706		24414		39111	24709		26213				
26211		24504			26205		26311				
26303		24707			26310		26405				
26403		26204			26404		39208				

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		PARTE TOTALE		MI	
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M42A
DK171S
17001
M42B
DK171R
17003
M42C
DK172S
17101
M42D
DK172R
17103
M42E
DK173S
17201
M42F
DK173R
17203
M430
DK174S
17301
M431
DK174R
17303
M432
DK175S
17401
M433
DK175R
17403

K010
K171
(S)
K010
K171
(R)
K011
K172
(S)
K011
K172
(R)
K012
K173
(S)
K012
K173
(R)
K013
K174
(S)
K013
K174
(R)
K014
K175
(S)
K014
K175
(R)

IMP. SELEZ. PARTI 11
PARTS SELECT 11 SET
RESET SELEZ. PARTI 11
PARTS SELECT 11 RESET
IMP. SELEZ. PARTI 12
PARTS SELECT 12 SET
RESET SELEZ. PARTI 12
PARTS SELECT 12 RESET
IMP. SELEZ. PARTI 13
PARTS SELECT 13 SET
RESET SELEZ. PARTI 13
PARTS SELECT 13 RESET
IMP. SELEZ. PARTI 14
PARTS SELECT 14 SET
RESET SELEZ. PARTI 14
PARTS SELECT 14 RESET
IMP. SELEZ. PARTI 15
PARTS SELECT 15 SET
RESET SELEZ. PARTI 15
PARTS SELECT 15 RESET

M1K171	M1K171	M1K172	M1K172	M1K173	M1K173	M1K174	M1K174	M1K175	M1K175		
12611	26312	12612	39203	12613	26306	12614	26315	12615	26208		
18311	39207	18312	39205	18313	26314	18314	39120	18315	26216		
19106		19115		19107		19205		19108	26308		
19302		19303		19116		19305		19206	26316		
24406		24505		19304		24417		19306	26407		
24416		24513		24407		24507		24408	39118		
24512		24712		24506		24515		24418			
24711		26305		24514		24714		24508			
26206		26313		24713		26215		24516			
26214		26406		26207		26307		24715			

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		PARTE TOTALE		MI	
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M434
DK176S

17501

M435
DK176R

17503

M436
DK177S

17601

M437
DK177R

17603

M438
DK178S

17701

M439
DK178R

17703

M43A
DK179S

17801

M43B
DK179R

17803

K015
K176

(S)

IMP. SELEZ. PARTI 16
PARTS SELECT 16 SET

K015
K176

(R)

RESET SELEZ. PARTI 16
PARTS SELECT 16 RESET

K016
K177

(S)

IMP. SELEZ. PARTI 17
PARTS SELECT 17 SET

K016
K177

(R)

RESET SELEZ. PARTI
PARTS SELECT 17 RESET

K017
K178

(S)

IMP. SELEZ. PARTI 18
PARTS SELECT 18 SET

K017
K178

(R)

RESET SELEZ. PARTI 18
PARTS SELECT 18 RESET

K018
K179

(S)

IMP. SELEZ. PARTI 19
PARTS SELECT 19 SET

K018
K179

(R)

RESET SELEZ. PARTI 19
PARTS SELECT 19 RESET

M1K176	M1K177	M1K178	M1K179								
12616	12617	12618	12619								
18316	18317	18318	18319								
19117	19109	19211	19110								
19207	19118	19309	19212								
19307	19208	24419	19310								
24601	19308	24603	24410								
24716	24409	24718	24420								
39116	24602	39112	24604								
	24717		24719								
	39114		39110								

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		PARTIE TOTALE		MI	
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M10E
N1D1
29001
M099
D72
15205
M2A1
7D10B
61110
M077
D39G
14201
M07D
D59G
14309
M083
D79G
14509
M08C
D59
14903
M0A4
D99
15503
M0BF
D279
18814

M33C
9D10B
68008
M14E
N1D211
31301
M230
4D211
56701
M298
6D211
59910
M25F
7D211
63707
M336
8D211
67601
M3B3
9D211
71201

MOB0
D214
MOB1
D215
MOB2
D221
MOB3
D231

ESECUZIONE CN ATTORNO M1
(LIVELLO D)
NC RUNNING AROUND M1
(LEVEL D)
ESECUZIONE CN ATTORNO M1
(LIVELLO E)
NC RUNNING AROUND M1
(LEVEL E)
ESECUZIONE CN OFF
TRANNE M1
NC RUNNING
OFF EXCEPT M1
SEGNALE AVVIO CN ATTORNO M1
(LIVELLO A)
NC START SIGNAL AROUND M1
(LEVEL A)

M1D214	M1D215	M1D221	M1D231							
		12203 14803 15403 18705	31408							

N1D1	OFF FINTO	290			
7D10B	CICLO RITORNO	611			
9D10B	RITORNO RIPASSATORE	680			
N1D211	CN IN CORSO ATTORNO N1 (LIV. A)	313			
4D211	ESECUZIONE CN ATTORNO 4 (LIVELLO A)	567			
6D211	ESECUZIONE CN ATTORNO 6 (LIVELLO A)	599			
7D211	ESECUZ. CN (LIVELLO A)	637			
8D211	ESECUZ. CN (LIVELLO A)	676			
9D211	ESECUZ. CN (LIVELLO A)	712			
TOYOTA W/C NUMBER		CONTENTS		DEVICE CODE	
		PARTE TOTALE		M1	
		DRAWING NO.		90/103	
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COND. AVVIO CAMBIO TIPO
(ALL' AVVIO)
SET UP CHANGE START CONDI.
(AT START)

COND. AVVIO CAMBIO TIPO
(A OGNI AVVIO)
SET UP CHANGE START CONDI.
(AT EVERY START)

COND. ESEC. CAMBIO TIPO
SET UP CHANGE RUN CONDI.

COND. ESEC. CAMBIO TIPO
SET UP CHANGE RUN CONDI.
```

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		PARTE TOTALE	MI
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Diagram 1: Schematic diagram of the control system for the 1000-tonne steam hammer. The diagram shows the interlocking logic for the hammer's operation, including the main power supply (M5A1-M5A8), the hammer's main motor (M5B1-M5B6), and the hammer's auxiliary motor (M5C1-M5C6). The diagram also shows the interlocking logic for the hammer's safety system, including the emergency stop (M5D1-M5D6) and the safety interlock (M5E1-M5E6). The diagram is divided into two main sections: the main power supply and the hammer's main motor. The main power supply section shows the interlocking logic for the hammer's main motor, including the main power supply (M5A1-M5A8) and the hammer's main motor (M5B1-M5B6). The hammer's main motor section shows the interlocking logic for the hammer's main motor, including the main power supply (M5A1-M5A8) and the hammer's main motor (M5B1-M5B6). The diagram also shows the interlocking logic for the hammer's safety system, including the emergency stop (M5D1-M5D6) and the safety interlock (M5E1-M5E6). The diagram is divided into two main sections: the main power supply and the hammer's main motor. The main power supply section shows the interlocking logic for the hammer's main motor, including the main power supply (M5A1-M5A8) and the hammer's main motor (M5B1-M5B6). The hammer's main motor section shows the interlocking logic for the hammer's main motor, including the main power supply (M5A1-M5A8) and the hammer's main motor (M5B1-M5B6). The diagram also shows the interlocking logic for the hammer's safety system, including the emergency stop (M5D1-M5D6) and the safety interlock (M5E1-M5E6).

COND. SBLOCC.
SPORTELLLO
DOOR OPEN
MOVING CONDI.

COND. SBLOCC.
SPORTELLLO
DOOR OPEN
MOVING CONDI.

COND. SBLOCC.
SPORTELLLO
DOOR OPEN
MOVING CONDI.

COND. SBLOCC.
SPORTELLLO
DOOR OPEN
MOVING CONDI.

COND. SBLOCC.
SPORTELLLO
DOOR OPEN
MOVING CONDI.

TEMPORIZZATORE SBLOCC.
SPORTELLLO
DOOR OPEN
TIMER

SBLOCC. SPORTELLLO
POSSIB.
DOOR OPEN MOVING
POSSIBLE AT FUNCTION

[illegible]

1D133A	CENTRO CONTROPUNTARIT. (MANUALE)	532	8D93A	PULS. ON SOSTIT. PERO CONTATTO RIT.	673
1D113A	CENTRO CONTROPUNTAANVZ.	531	9D13A	AVVIAM. RAVVITAZURA (PRINC.)	687
4D113A	PULS. INSEK. ONPERNO COMANDO	556	9D33A	AVVIAM. RAVVIT. GREZZA MANUALE (PRINCIP.)	690
4D133A	TESTA PORTAP. AV	559	9D73A	AVVIAM. APPROCCIOCONTATTO (PRINC.)	694
4D153A	TESTA PORTAP. RIT.	561	9D93A	AVVIAM. APPROCCIOCONTATTO (PRINC.)	696
6D13A	PULS. POSIZ. RETTIF. TAVOLA ON	586	7D10B	CICLO RITORNO	611
6D33A	PULS. ONRIT. TAVOLA	588	5D2	APERTURA SPORELLO	578
6D53A	PULS. ONPOS. REGOLAZ. TAVOLA	589	11W67	SOFFIATA ARIATEFRIG.	496
7D13A	PULS. ONCICLO RETTIF.	625	W2D210	AVVIO CAMBIO TIPO	240
8D13A	PULS. ON SOSTITUT. MOLA RIT.	663	7710B	TEMPORIZZATORE ARRESTOMANDR. PORTAM.	633
8D73A	PULS. ON SOSTIT. RUOLO DIAM. RIT.	669	9D20D	RIPASSAZIURA	711

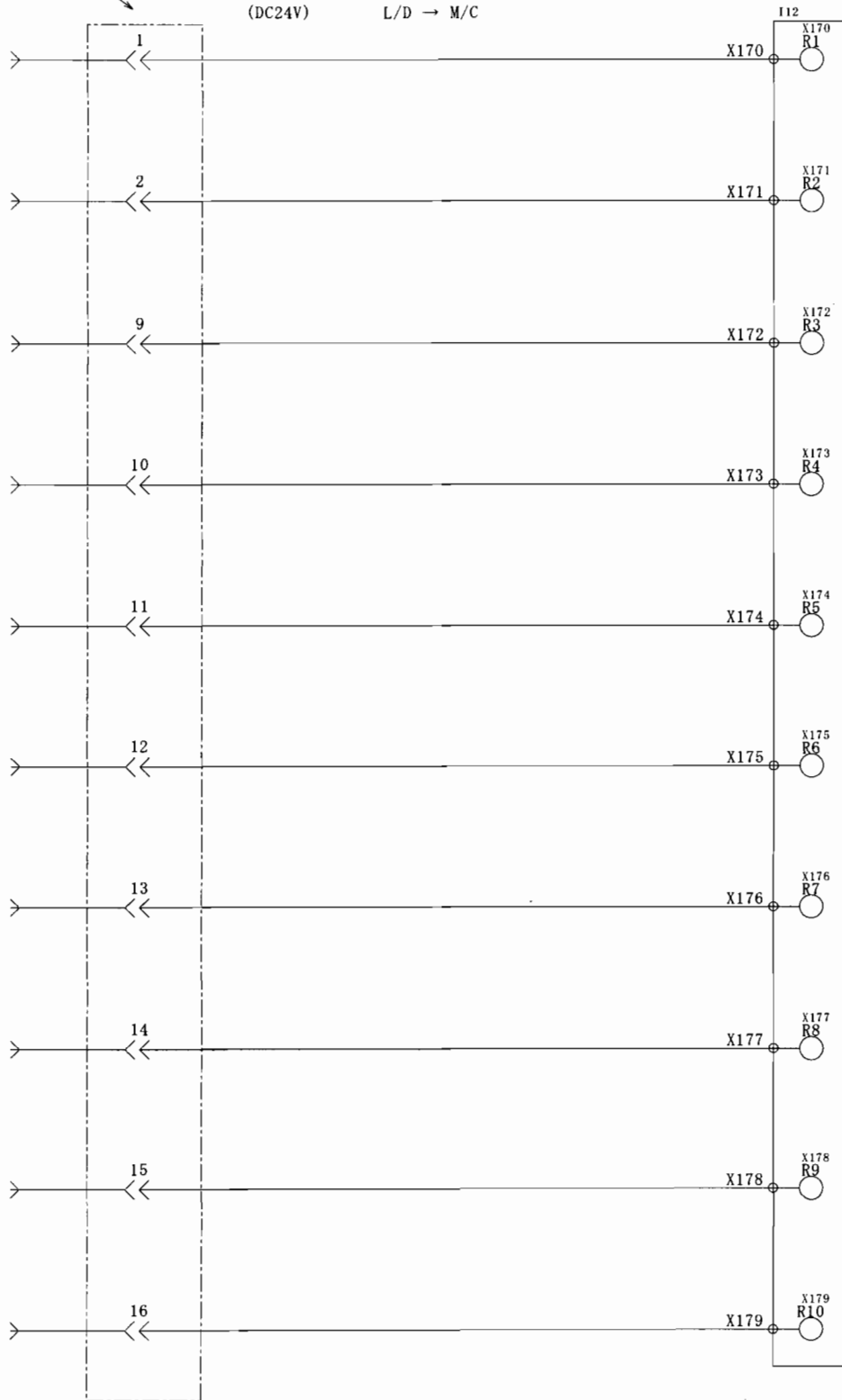
TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		PARTIE TOTALE	MI
	DRAWING NO. 35-80777001		100/1
MANUFACTURER	MANUFACTURE'S NUMBER RC8077, RC8078		PAGE 195

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Han 40D

CC 24 V CARICATORE - MACCHINA
(DC24V) L/D → M/C

EOV4



M2R1	M2R2	M2R3	M2R4	M2R5	M2R6	M2R7	M2R8	M2R9	M2R10		
12303	21201		15801		23501	15801	12306	21207	28403		
12307	21713		21406		23503	21405	12308	21711			
12907	23503		21713			23707	13417	23601			
21201	23805		23607			24108	20907	23607			
23503	24004		23701			25803	21001	23701			
24004			24103				23901	23707			
			25803				24001	24305			
			25901				43502				
			62710								

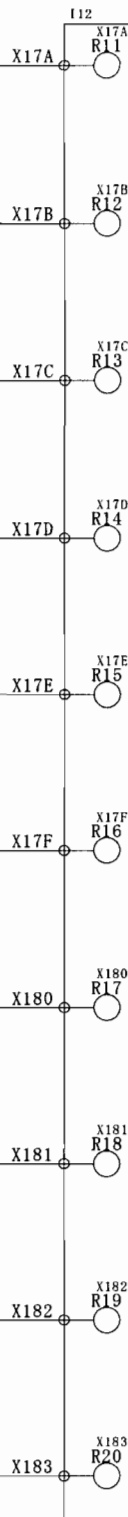
TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		SEGNALI INTERLOCAGGIO		M2	
DRAWING NO.		35-80777001		1/59	
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		199	

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Han 40D

CC 24 V CARICATORE - MACCHINA
(DC24V) L/D → M/C

E24V41



POS. NON INTERF.
CARICATORE
LOADER NON-INTERFERENCE
POSITION

TIPO PEZZO 1
WORK TYPE 1

TIPO PEZZO 2
WORK TYPE 2

TIPO PEZZO 4
WORK TYPE 4

TIPO PEZZO 8
WORK TYPE 8

TIPO PEZZO 16
WORK TYPE 16

TIPO PEZZO 32
WORK TYPE 32

CONTROLLO PARITA
PARITY CHECK

RISERVATO
SPARE

RISERVATO
SPARE

M2R11	M2R12	M2R13	M2R14	M2R15	M2R16	M2R17	M2R18	M2R19	M2R20		
	21207 21501	21208 21502	21209 21503	21210 21504	21211 21505	21212 21506	21213 21507				

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		SEGNALE INTERBLOCCAGGIO		M2	
DRAWING NO.		35-80777001		2/59	
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		200	

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$$L/D \rightarrow M/C$$

EOV4

RISERVATO
SPARE

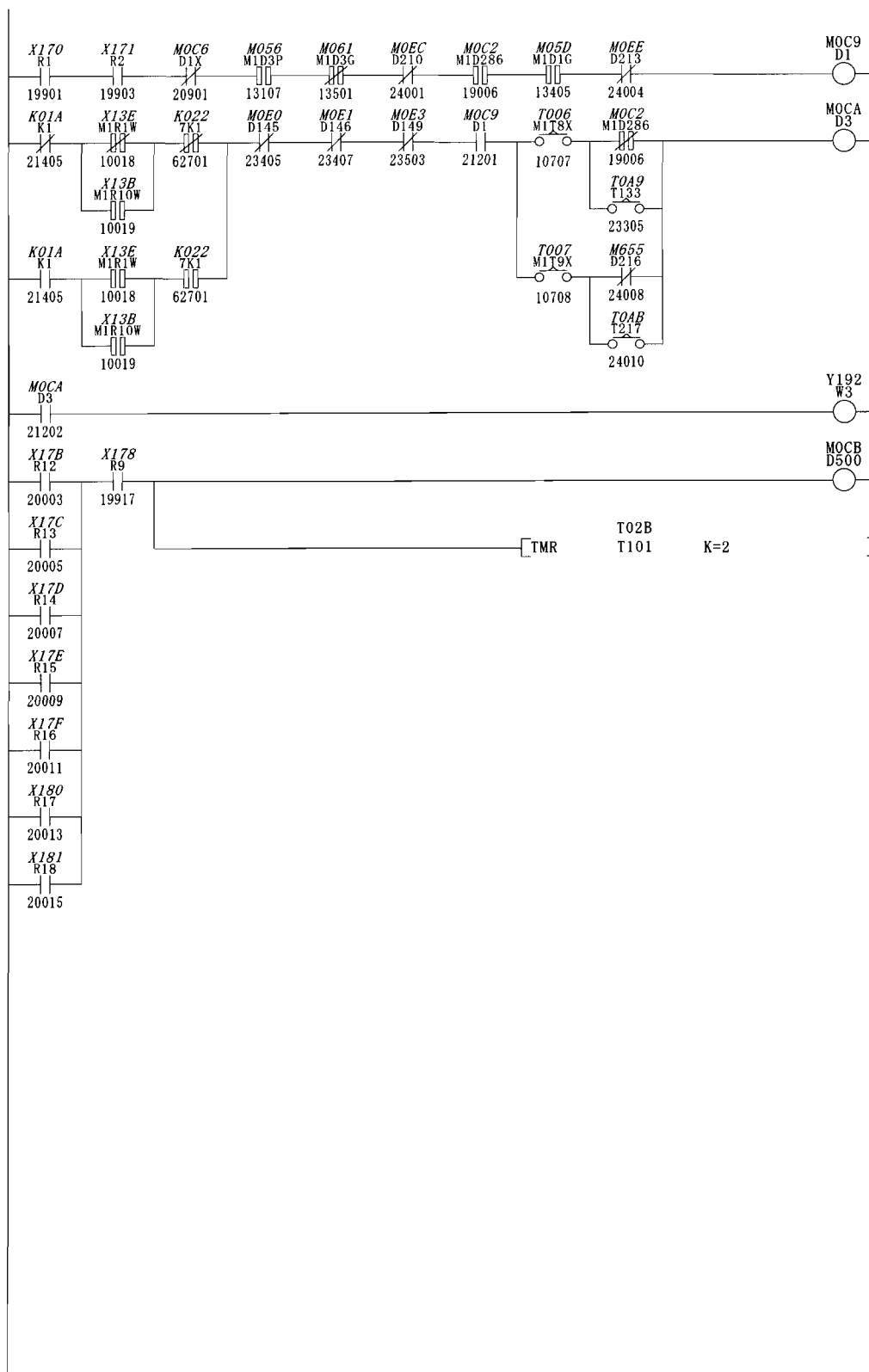
<i>TOYOTA M/C NUMBER</i>		<i>CONTENTS</i> SIGNAL INTERLOCKING O	<i>DEVICE CODE</i> M2
	<i>DRAWING NO.</i> 35-80777001		
<i>MANUFACTURER</i>		<i>MANUFACTURE'S NUMBER</i> RC8077. RC8078	<i>PAGE</i> 201

ESCL.
NOT USE

<i>TOYOTA M/C NUMBER</i>		<i>CONTENTS</i> SIGNAL INTERLOCKING O		<i>DEVICE CODE</i> M2	
	<i>DRAWING NO.</i> 35-80777001			10/5	
<i>MANUFACTURER</i>		<i>MANUFACTURE'S NUMBER</i> RC8077, RC8078		<i>PAGE</i> 208	

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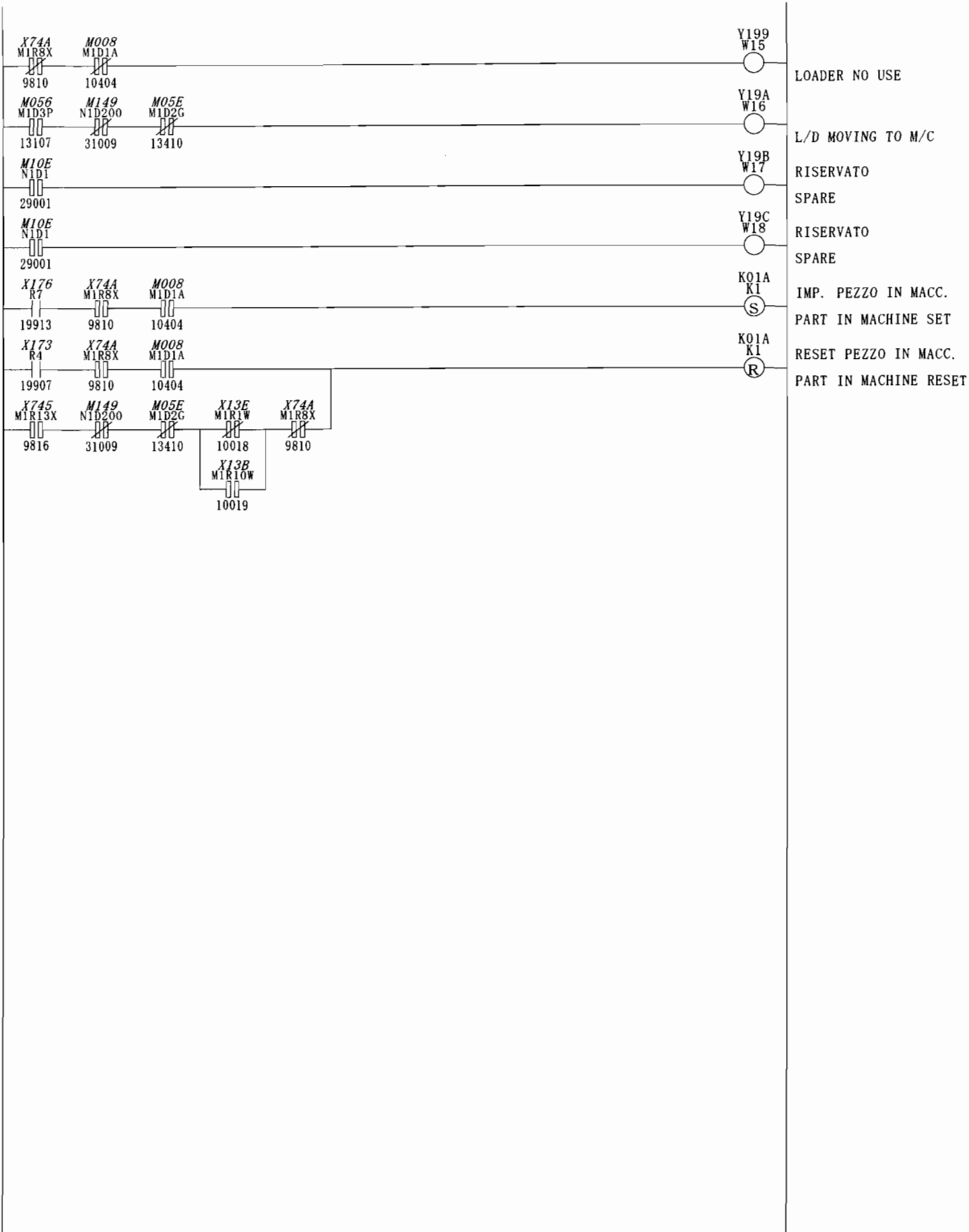
COND. SEGNALE CARICATORE
LOADER SIGNAL CONDITION
RICHIESTA TIPO PEZZO
REQUEST WORK TYPE
RICHIESTA TIPO PEZZO
REQUEST WORK TYPE
AVVIO LETTURA CODICE BCD
BCD CODE READING START
AVVIO LETTURA CODICE BCD
BCD CODE READING START

M2D1	M2D3	M2D3	M2D3	M2W3	M2D500	M2T101					
13601 13608 21202 23405 23407	21206 21501 21502 21503 21504 21505 21506 21507 21601 21605	21608 21701 22101 22102 22103 22104 22105 22106 22201 22204	23601 23607	24205 25205		21601 22201 22204					

M1D3P	POS. PART. MACCHINA	131			
M1D3G	CONT.	135			
M1D286	CAMBIO TUTTI I TIPI ESEGUITO	190			
M1D1G	CONT.	134			
M1R1W	CONFERMA PRESENZA PEZZO	100			
7K1	RETTIFICA, COMPLETATA	627			
M1T8X	CAMBIO TIPO AUTOM.	107			
M1R10W	CONFERMA PRESENZA PEZZO	100			
M1T9X	CAMBIO TIPO MANUALE	107			

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		SEGNALE INTERFACCIA O		M2	
		DRAWING NO.		14/59	
		35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
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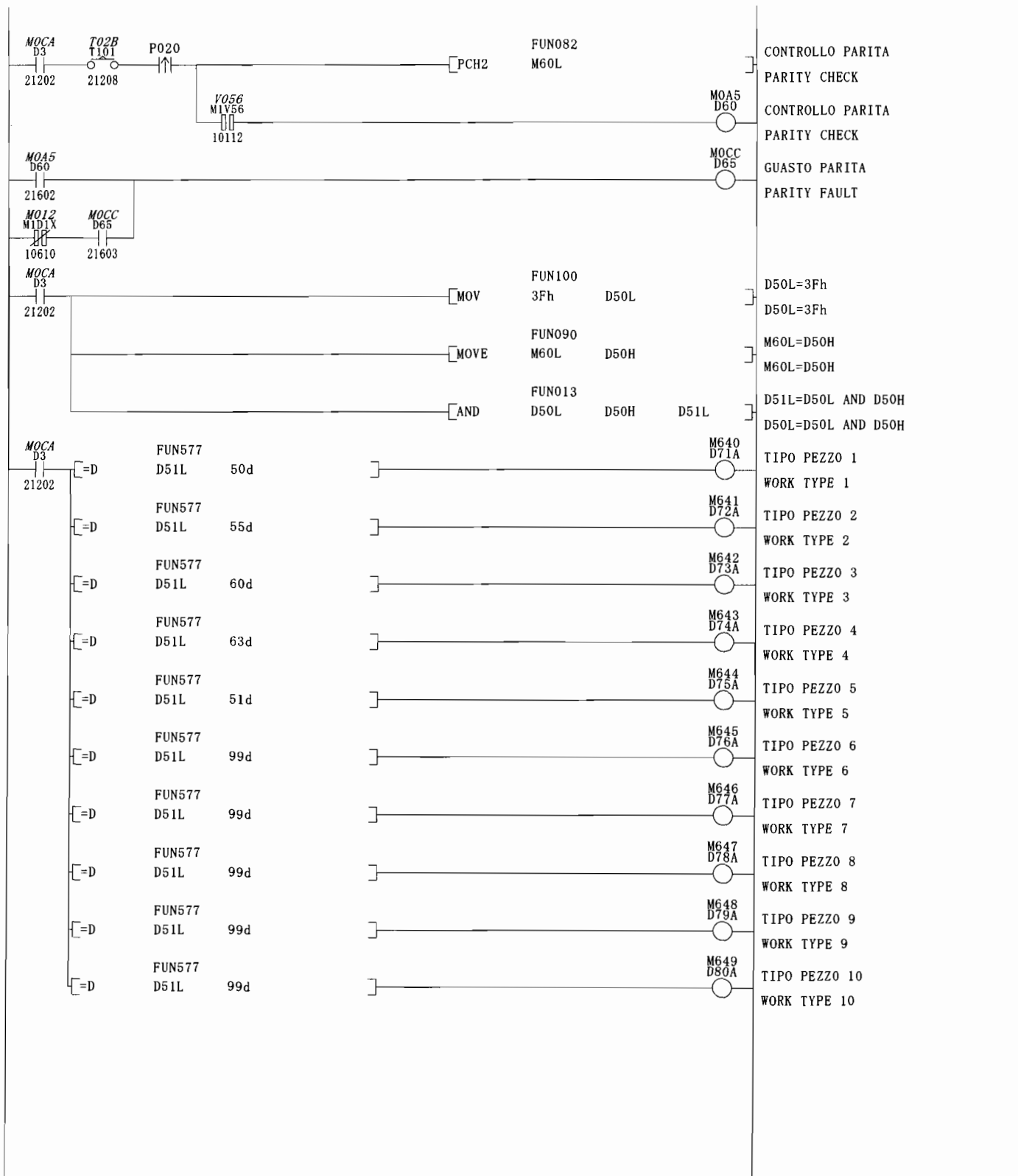


M2W15	M2W16	M2W17	M2W18	M2K1	M2K1	M2K1					
25219	25301	25303	25305	13006	14103	23901					
				13009	15802	25803					
				13010	18706	25804					
				13011	21202	25902					
				13201	21204	57701					
				13417	21712						
				13417	23607						
				13605	23701						
				13703	23707						
				13804	23803						

M1R8X	USO CARICATORE	98			
M1D1A	AUTO	104			
M1D3P	POS. PART. MACCHINA	131			
M1D200	PROGRAMMA CN IN CORSO	310			
M1D2G	CICLO AUTOM.	134			
M1D1	OFF FINTO	290			
M1R13X	RESET MEMORIA COMPONENTE	98			
M1R1W	CONFERMA PRESENZA PEZZO	100			
M1R10W	CONFERMA PRESENZA PEZZO	100			

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		SEGNALI INTERFACCIA O		M2	
DRAWING NO.		35-80777001		16/59	
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		214	

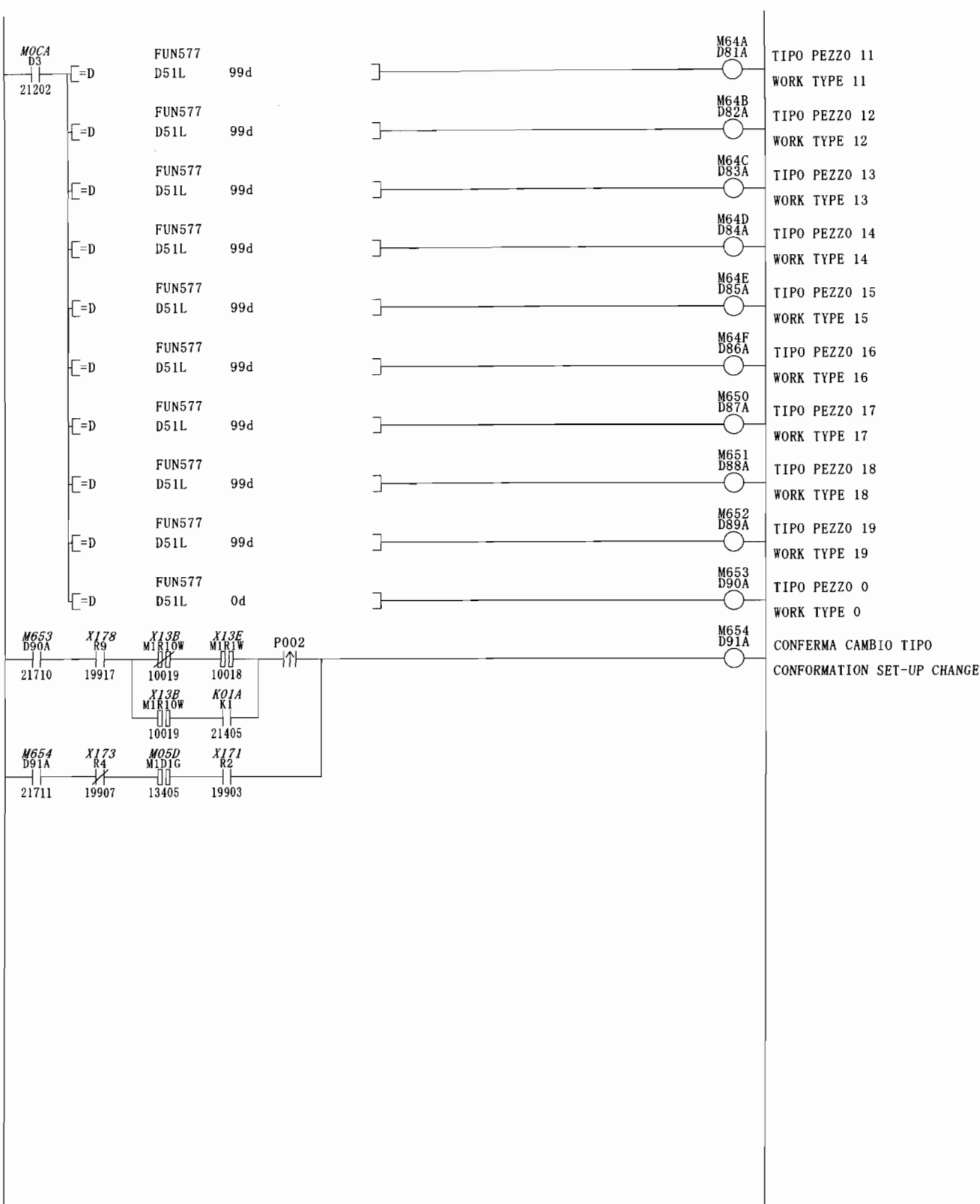
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M2D60	M2D65	M2D65	M2D71A	M2D72A	M2D73A	M2D74A	M2D75A	M2D76A	M2D77A	M2D78A	M2D79A	MIV56	CICLO	101			
21603	20903 21604 22101 22102 22103 22104 22105 22106 22201 22204	22502 22802	21801	21811	21802 21812	21901	21803 21902	21813 21903	21804 21814 21904	21909	21910	MIDIX	RESET ERRORI	106			
M2D80A																	
21805 21815 21911																	

TOYOTA N/C NUMBER	CONTENTS	DEVICE CODE
	SEGNALI INTERLOCAGGI O	M2
DRAWING NO.	35-80777001	18/59
MANUFACTURER	MANUFACTURE'S NUMBER	PAGE
	RC8077, RC8078	216

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[illegible][illegible]

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FUNZIONAMENTO
FUNZIONAMENTO

INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

M620
D91

CODICE DISPLAY 1
DISPLAY CODE 1

M621
D92

CODICE DISPLAY 2
DISPLAY CODE 2

M622
D93

CODICE DISPLAY 4
DISPLAY CODE 4

M623
D94

CODICE DISPLAY 8
DISPLAY CODE 8

M624
D95

CODICE DISPLAY 10
DISPLAY CODE 10

M625
D96

CODICE DISPLAY 20
DISPLAY CODE 20

M626
D97

CODICE DISPLAY 40
DISPLAY CODE 40

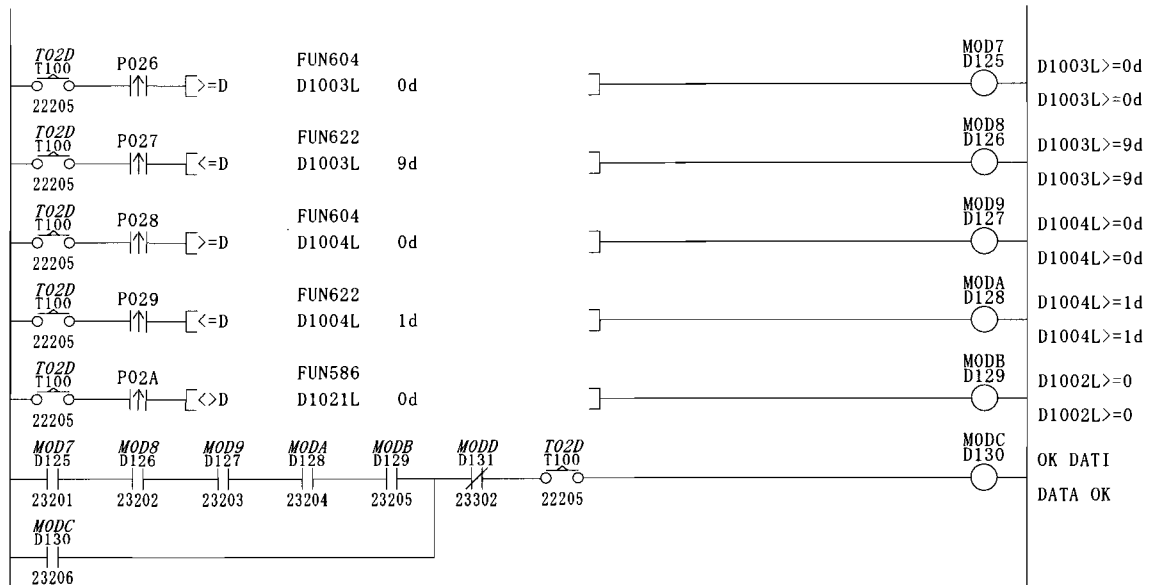
M627
D98

CODICE DISPLAY 80
DISPLAY CODE 80

M2D91	M2D92	M2D93	M2D94	M2D95	M2D96	M2D97	M2D98				
22701	22603	22601	22504	23001	22904	22901	22804				

TOYOTA M/C NUMBER				CONTENTS				DEVICE CODE			
				SEGNALI INTERBLOCCAGGIO				M2			
				DRAWING NO.				26/59			
				35-80777001							
MANUFACTURER				MANUFACTURE'S NUMBER				PAGE			
				RC8077, RC8078				224			

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[illegible]

MOCA D3 X178 R9 MOE0 D145 MOE4 D150

21202 19917 23405

TOO6 M1T8X TOA8 T132 TOA9 T133

10707 23304 23305

TOO7 M1T9X TOAA T216 TOAB T217

10708 24009 24010

MOE4 D150 TOA7 T150

23601 23605

MOE4 D150 TMR TOA7 T150 K=10

23601

MOE4 D150 Y19D W150

23601

KO1A K1 KO22 TK1 X13E M1R1W MOCA D3 X178 R9 MOE3 D149 X173 R4

21405 62701 10018 21202 19917 23503 19907

X13B M1R10W 10019

MOE5 D152

23607

MOE5 D152 Y19E W152

23607

TIPO PEZZO OK
WORK TYPE OK

TIPO PEZZO OK
WORK TYPE OK

TIPO PEZZO OK
WORK TYPE OK

PRELIEVO PER CAMBIO TIPO
UNLOADING FOR SET-UP CHANGE

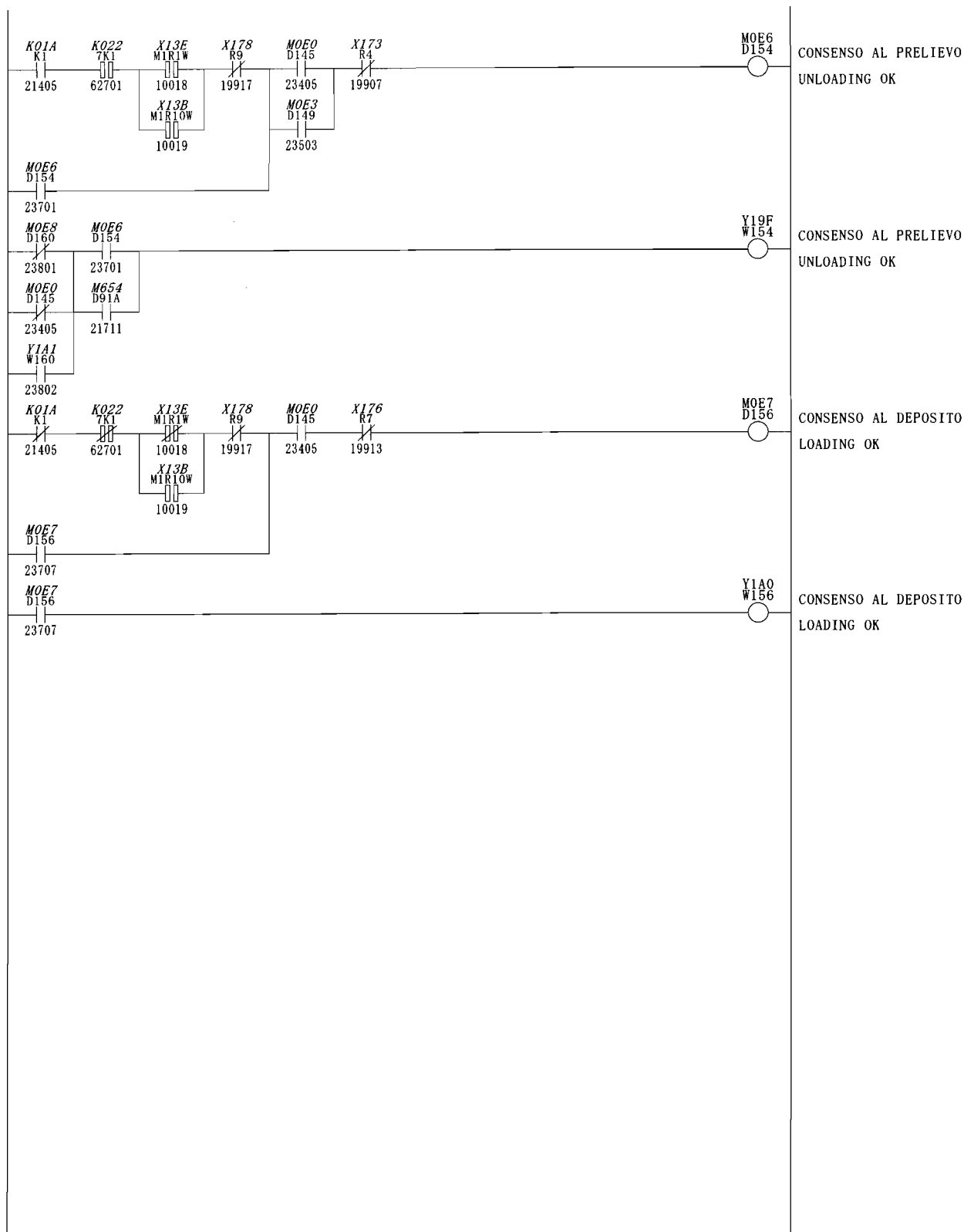
PRELIEVO PER CAMBIO TIPO
UNLOADING FOR SET UP CHANGE

[illegible]

M1T8X	CAMBIO TIPO AUTOM.	107			
M1T9X	CAMBIO TIPO MANUALE	107			
7K1	RETTIFICA COMPLETATA	627			
M1R1W	CONFERMA PRESENZA PEZZO	100			
M1R10W	CONFERMA PRESENZA PEZZO	100			

TOYOTA M/C NUMBER		CONTENTS SEGNALI INTERFACCAGGIO	DEVICE CODE
	DRAWING NO. 35-80777001	M2 38/5	
MANUFACTURER		MANUFACTURE'S NUMBER RC8077, RC8078	PAGE 236

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[illegible][illegible]

The diagram is a schematic representation of a control system, possibly for a steam engine, showing various components and their interconnections. The components are labeled with codes and numbers, and the diagram includes a legend at the bottom.

Top Section Components:

- KO1A (K1) 21405
- KO22 (7K1) 62701
- XI3E (M1R1W) 10018
- XI77 (R8) 19915
- MOE3 (D149) 23503
- MOEA (D191) 23903
- TMR (Time Relay)
- T02F (T190) K=10

Central Section Components:

- T02F (T190) 23901
- MOC2 (M1D286) 19006
- KO19 (M1K285) 19002
- X758 (M1R10H) 9915
- MOEF (D215) 24006
- MOEA (D191) 23903
- X757 (M1R10A) 9913
- X74A (M1R8X) 9810
- MOED (D211) 24003
- FUN578 (D1021L, D1010L)
- MOEA (D191) 23903
- MOEB (D200)

Bottom Section Components:

- MOEB (D200) 23905
- L4EO (N2D584N) 36216
- TMR (Time Relay)
- T030 (T201) K=10

Legend:

- [=N] (Normally Closed Contact)
- [TMR] (Time Relay)
- [K=10] (Time Delay)

7K1	RETTIFICA,COMPLETATA	627			
W1R1W	CONFERMA PRESENZA PEZZO	100			
W1R10W	CONFERMA PRESENZA PEZZO	100			
W1D286	CAMBIO TUTTI I TIPI ESEGUITO	190			
W1K285	IMP. COMPL. CAMBIO TIPO CN	190			
W1R10H	CAMBIO TIPO MAN. CARC. INS.	99			
W1R10A	CAMBIO TIPO AUT. CARIC. INS.	99			
W1R8X	USO CARICATORE	98			
N2D384N	SOST. PEZZOCOMPLETATA	362			

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		SIGNAL INTERLOCKAGE O	M2
	DRAWING NO.	35-80777001	41/51
MANUFACTURER	MANUFACTURE'S NUMBER		PAGE
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M2D3

PEZZO N. 1
WORK TYPE 1

PEZZO N. 2
WORK TYPE 2

TOYOTA M/C NUMBER		CONTEXTS SEGNALI INTERFLOCCAGGIO	DEVICE CODE
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MANUFACTURER		MANUFACTURE'S NUMBER RC8077, RC8078	PAGE 244

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K006

MIK161

17901

MOVR

FUN105

50d

D52L

IMP. SELEZ. PART 1
PART SELECT 1 SET

K007

MIK162

17903

MOVR

FUN105

55d

D52L

IMP. SELEZ. PART 2
PART SELECT 2 SET

K008

MIK163

17905

MOVR

FUN105

60d

D52L

IMP. SELEZ. PART 3
PART SELECT 3 SET

K009

MIK164

17907

MOVR

FUN105

63d

D52L

IMP. SELEZ. PART 4
PART SELECT 4 SET

K00A

MIK165

17909

MOVR

FUN105

0d

D52L

IMP. SELEZ. PART 5
PART SELECT 5 SET

K00B

MIK166

18001

MOVR

FUN105

0d

D52L

IMP. SELEZ. PART 6
PART SELECT 6 SET

K00C

MIK167

18003

MOVR

FUN105

0d

D52L

IMP. SELEZ. PART 7
PART SELECT 7 SET

K00D

MIK168

18005

MOVR

FUN105

0d

D52L

IMP. SELEZ. PART 8
PART SELECT 8 SET

K00E

MIK169

18007

MOVR

FUN105

0d

D52L

IMP. SELEZ. PART 9
PART SELECT 9 SET

K00F

MIK170

18009

MOVR

FUN105

0d

D52L

IMP. SELEZ. PART 10
PART SELECT 10 SET

K010

MIK171

18101

MOVR

FUN105

0d

D52L

IMP. SELEZ. PART 11
PART SELECT 11 SET

K011

MIK172

18103

MOVR

FUN105

0d

D52L

IMP. SELEZ. PART 12
PART SELECT 12 SET

K012

MIK173

18105

MOVR

FUN105

0d

D52L

IMP. SELEZ. PART 13
PART SELECT 13 SET

K013

MIK174

18107

MOVR

FUN105

0d

D52L

IMP. SELEZ. PART 14
PART SELECT 14 SET

K014

MIK175

18109

MOVR

FUN105

0d

D52L

IMP. SELEZ. PART 15
PART SELECT 15 SET

K015

MIK176

18201

MOVR

FUN105

0d

D52L

IMP. SELEZ. PART 16
PART SELECT 16 SET

K016

MIK177

18203

MOVR

FUN105

0d

D52L

IMP. SELEZ. PART 17
PART SELECT 17 SET

K017

MIK178

18205

MOVR

FUN105

0d

D52L

IMP. SELEZ. PART 18
PART SELECT 18 SET

K018

MIK179

18207

MOVR

FUN105

0d

D52L

IMP. SELEZ. PART 19
PART SELECT 19 SET

M10E

NID1

29001

MKP2

FUN081

D52L

M63H

PARITA
PARITY SET

MIK161	IMP. SELEZ. PART 1	179	MIK172	IMP. SELEZ. PART 12	181
MIK162	IMP. SELEZ. PART 2	179	MIK173	IMP. SELEZ. PART 13	181
MIK163	IMP. SELEZ. PART 3	179	MIK174	IMP. SELEZ. PART 14	181
MIK164	IMP. SELEZ. PART 4	179	MIK175	IMP. SELEZ. PART 15	181
MIK165	IMP. SELEZ. PART 5	179	MIK176	IMP. SELEZ. PART 16	182
MIK166	IMP. SELEZ. PART 6	180	MIK177	IMP. SELEZ. PART 17	182
MIK167	IMP. SELEZ. PART 7	180	MIK178	IMP. SELEZ. PART 18	182
MIK168	IMP. SELEZ. PART 8	180	MIK179	IMP. SELEZ. PART 19	182
MIK169	IMP. SELEZ. PART 9	180	NID1	OFF PINTO	290
MIK170	IMP. SELEZ. PART 10	180			
MIK171	IMP. SELEZ. PART 11	181			

TOYOTA M/C NUMBER

CONTENTS

DEVICE CODE

SEGNALI INTERLOCAGGIO



DRAWING NO.

35-80777001

M2

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MANUFACTURER

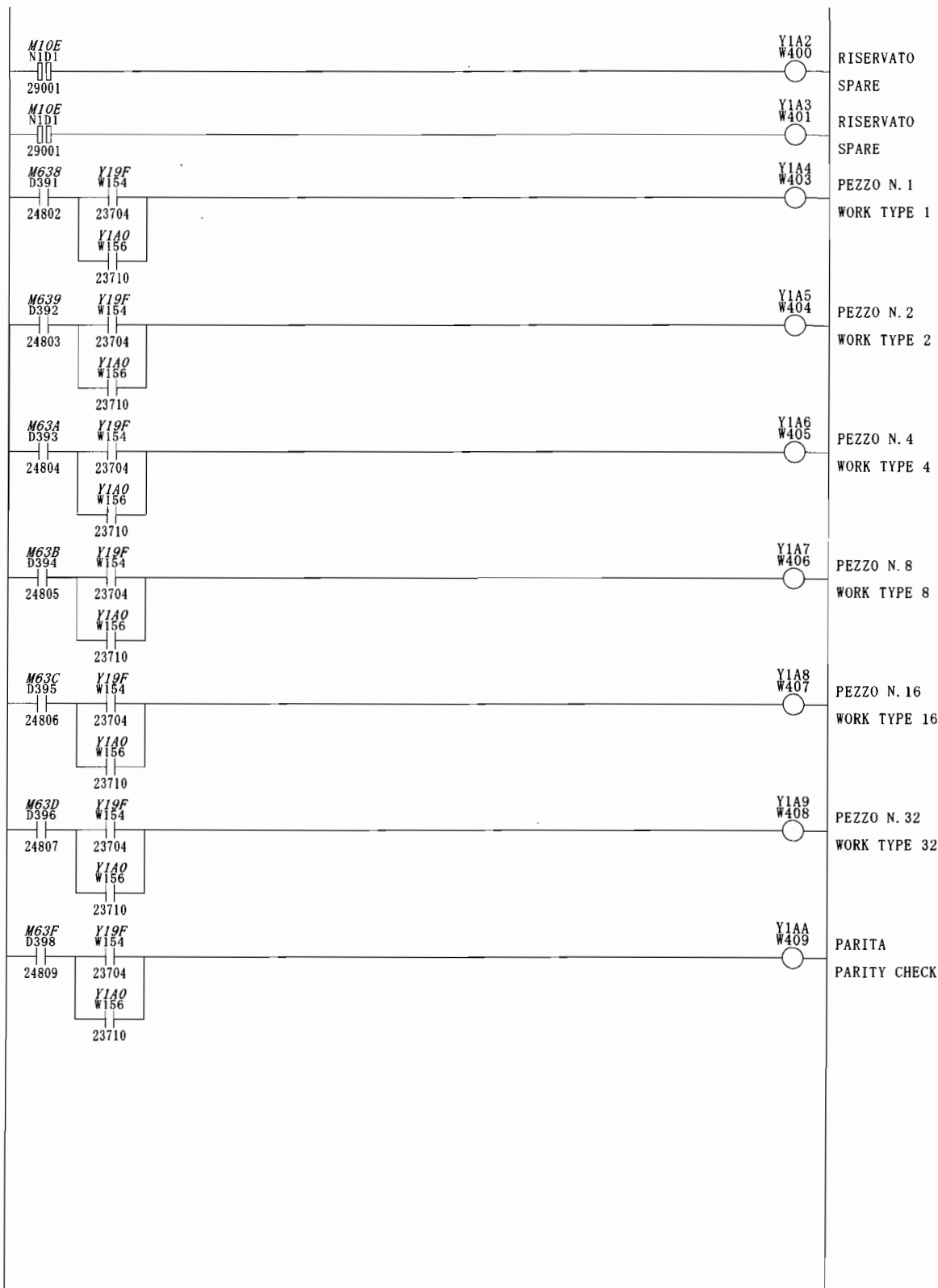
MANUFACTURE'S NUMBER

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[illegible]

M10E
N1D1
 29001

M10E
N1D1
 29001

MOC4
M1D351
 19507

X74A
M1R8X
 9810

X75A
M1R24X
 9919

Y1AD
W412
 25003

M659
D414
 25007

Y1AD
W412
 25003

M189
T1D48
 49307

M659
D414
 25007

M658
D413
 25005

M658
D413
 25005

M189
T1D48
 49307

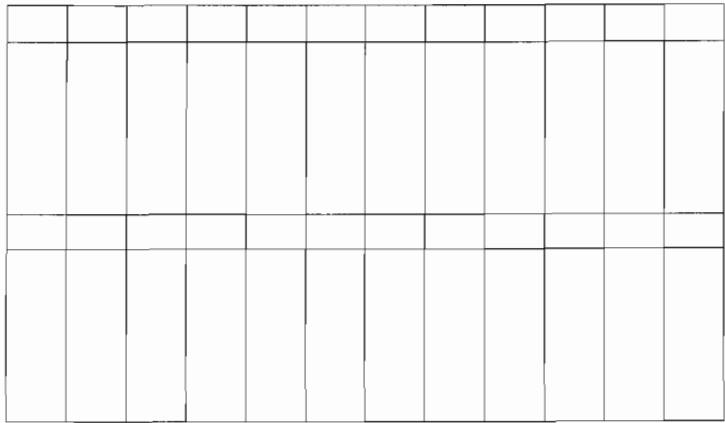
Y1AB
W410

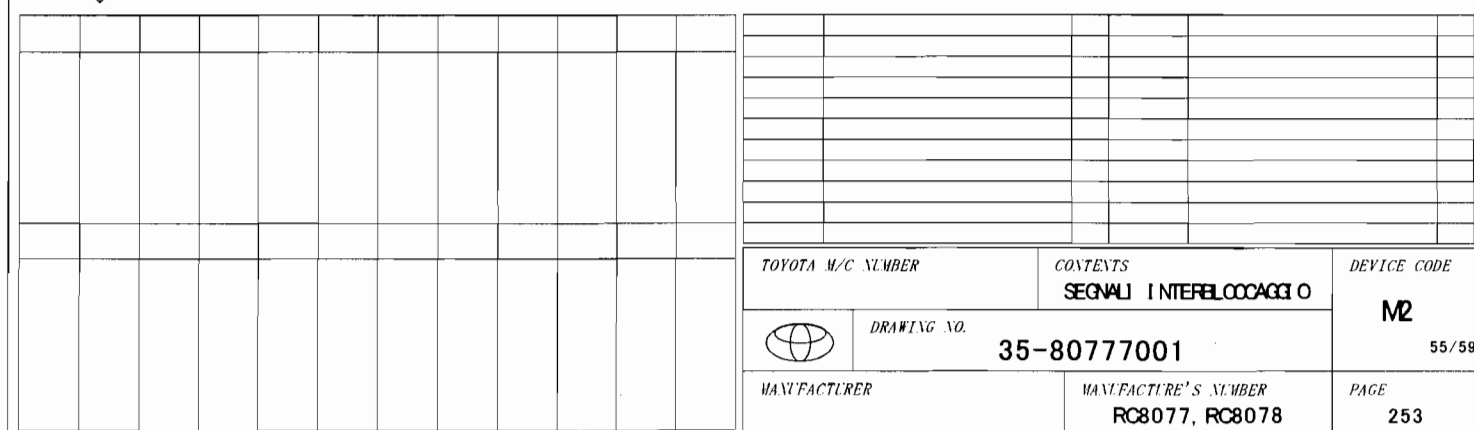
Y1AC
W411

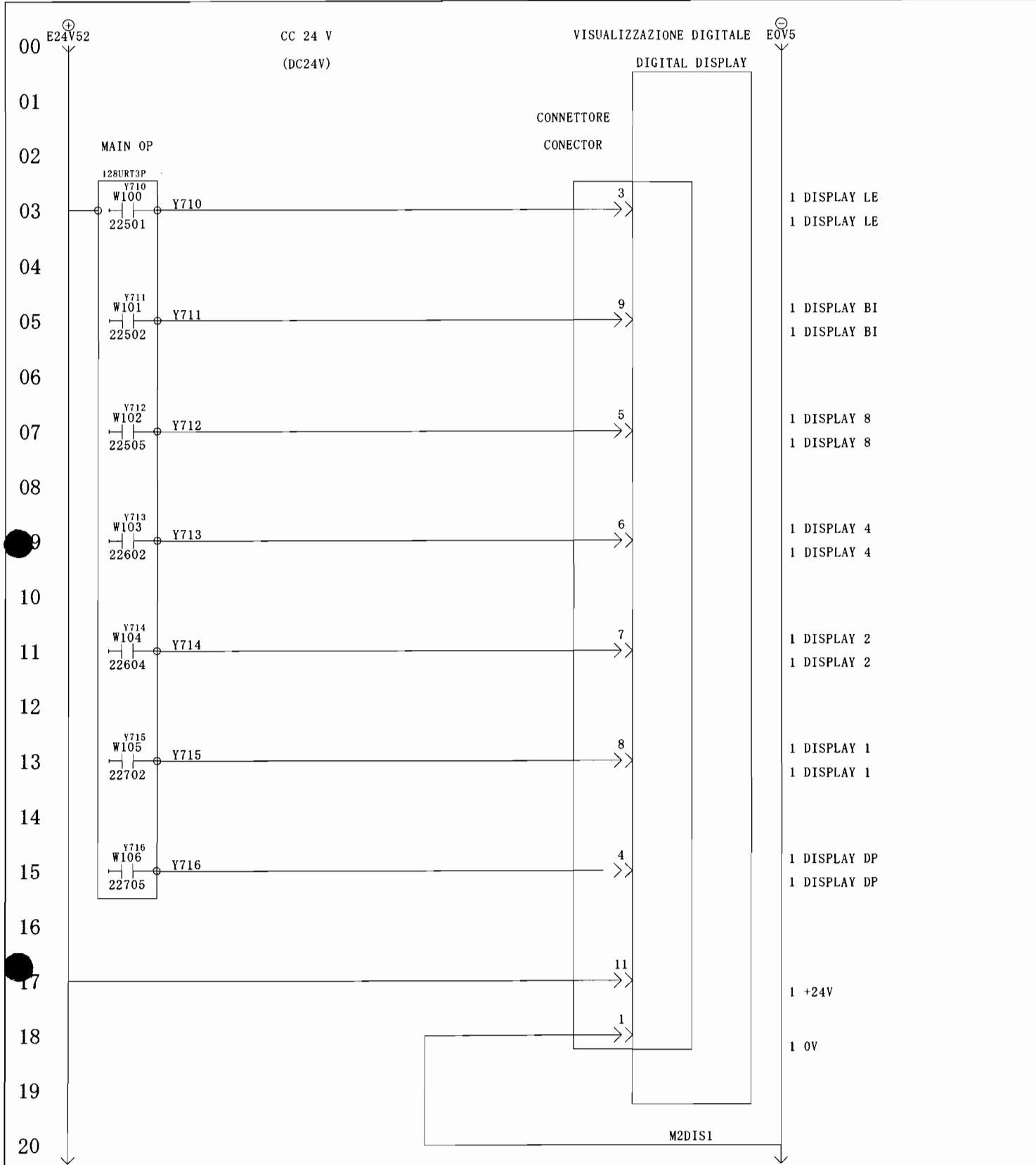
Y1AD
W412

RISERVATO	
SPARE	
RISERVATO	
SPARE	
RITORNO T. P. M	
DOOR INTERLOCK OFF	
RITORNO T. P. M	
DOOR INTERLOCK OFF	
RITORNO T. P. M	
DOOR INTERLOCK OFF	

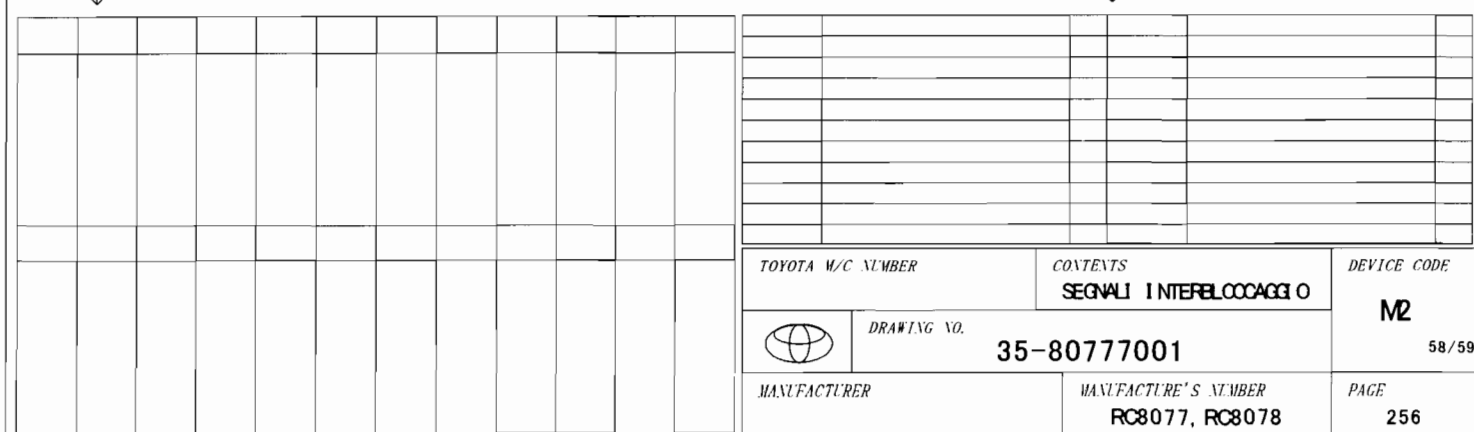
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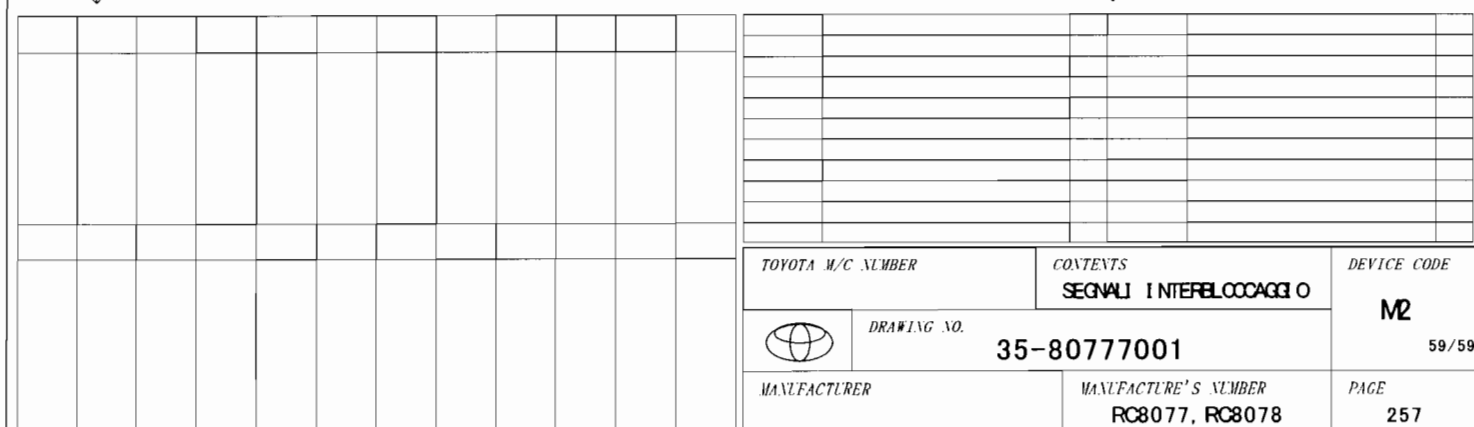




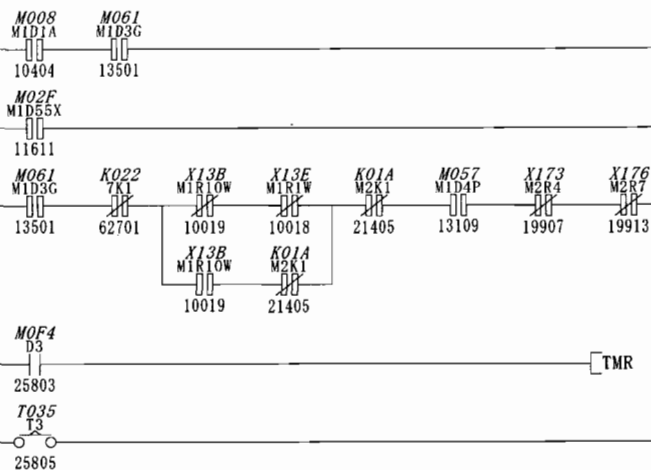


TOYOTA W/C NUMBER			CONTENTS			DEVICE CODE		
			SEGNALI INTERLOCAGGIO			M2		
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Y070
W1
CICLO CONT. MACCHINA
MACHINE CONTINUOUS CYCLE

Y071
W2
ARRESTO MACC. GUASTO GENER.
MACHINE STOPPED GENERIC
FAILURE

M0F4
D3
ARRESTO MACC.
PER GUASTO
MACHINE STOPPED FOR FAILURE
TO CARRY OUT

Y072
W3
ARRESTO MACC.
PER GUASTO
MACHINE STOPPED FOR FAILURE
TO CARRY OUT

ARRESTO MACC.
PER GUASTO
MACHINE STOPPED FOR FAILURE
TO CARRY OUT

ARRESTO MACCHINA
PER ESECUZIONE DESPOSITO
MACHINE STOPPED TO CARRY
OUT LOADING

M4W1	M4W2	M4D3	M4T3	M4W3						
26505	26507	25805	25806	26509						

M1D1A	AUTO	104			
M1D3G	CONT.	135			
M1D55X	GUASTO TOTALE	116			
7K1	RETTIFICA.COMPLETATA	627			
M1R10W	CONFERMA PRESENZA PEZZO	100			
M1R1W	CONFERMA PRESENZA PEZZO	100			
M2K1	IMP. PEZZO IN MACC.	214			
M1D4P	POS. PART. ASSE CN	131			
M2R4	PROGRESSO PRELIEVO	199			
M2R7	RISERVATO	199			

TOYOTA W/C NUMBER		CONTENTS	DEVICE CODE
		MON TORAGGI O	M4
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K022
7K1
62701
K01A
M2K1
21405
M0F5
D4
25901
T036
T4
25903
L388
N2D24N
33804
M10F
N1D1
29001

M061
M1D3G
13501
M057
M1D4P
13109
X173
M2R4
19907

M0F5
D4

ARRESTO MACCHINA PER
PRELIEVO IMPOSSIBILE
MACHINE STOPPED FOR IMPOSSIBLE
UNLOADING

TMR

T036
T4
K=10

Y073
W4

ARRESTO MACCHINA PER
PRELIEVO IMPOSSIBILE
MACHINE STOPPED FOR IMPOSSIBLE
UNLOADING

Y074
W5

ARRESTO MACC. PER
PRELIEVO IMPOSSIBILE
MACHINE STOPPED FOR IMPOSSIBLE
UNLOADING

Y075
W6

ARRESTO MACCHINA PER
CAMBIO UTENSILI PROGRAMMATI
MACHINE STOPPED FOR PROGRAMED
TOOL CHANGE

ARRESTO MACCHINA PER
GUASTO
MACHINE STOPPED FOR FAILURE
TO CARRY OUT

M4D4	M4T4	M4W4	M4W5	M4W6						
25903	25904	26511	26513	26515						

7K1	RETTIFICA.COMPLETATA	627		
M1D3G	CONT.	135		
M1D4P	POS. PART.ASSE CN	131		
M2R4	PROGRESSO PRELIEVO	199		
M2K1	IMP. PEZZO IN MACC.	214		
N2D24N	GUASTO WIN. MOLA(MOLA 1)	338		
N1D1	OFF FINTO	290		

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		MON TORAGE O	M4
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K006
MIK161
17901
K008
MIK163
17905
K00A
MIK165
17909
K00C
MIK167
18003
K00E
MIK169
18007
K010
MIK171
18101
K012
MIK173
18105
K014
MIK175
18109
K007
MIK162
17903
K008
MIK163
17905
K00B
MIK166
18001
K00C
MIK167
18003
K00F
MIK170
18009
K010
MIK171
18101
K013
MIK174
18107
K014
MIK175
18109

Y07A
W11

SEGNALE T1 PER IDENTIFICAZ.
TIPO PEZZO ELAB.
T1 SIGNAL FOR IDENTIFICAT.
OF PROCESSED PIECE TYPE

Y07B
W12

SEGNALE T2 PER IDENTIFICAZ.
TIPO PEZZO ELAB.
T2 SIGNAL FOR IDENTIFICAT.
OF PROCESSED PIECE TYPE

M4W11	M4W12								
26608	26610								

MIK161	IMP. SELEZ. PARTI 1	179	MIK174	IMP. SELEZ. PARTI 14	181
MIK163	IMP. SELEZ. PARTI 3	179			
MIK165	IMP. SELEZ. PARTI 5	179			
MIK167	IMP. SELEZ. PARTI 7	180			
MIK169	IMP. SELEZ. PARTI 9	180			
MIK171	IMP. SELEZ. PARTI 11	181			
MIK173	IMP. SELEZ. PARTI 13	181			
MIK175	IMP. SELEZ. PARTI 15	181			
MIK162	IMP. SELEZ. PARTI 2	179			
MIK166	IMP. SELEZ. PARTI 6	180			
MIK170	IMP. SELEZ. PARTI 10	180			

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		MON TORAGGI O	M4
		DRAWING NO.	5/9
		35-80777001	
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
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K009
MIK164
17907
K00A
MIK165
17909
K00B
MIK166
18001
K00C
MIK167
18003
K011
MIK172
18103
K012
MIK173
18105
K013
MIK174
18107
K014
MIK175
18109
K00D
MIK168
18005
K00E
MIK169
18007
K00F
MIK170
18009
K010
MIK171
18101
K011
MIK172
18103
K012
MIK173
18105
K013
MIK174
18107
K014
MIK175
18109

Y07C
W13

SEGNALE T3 PER IDENTIFICAZ.
TIPO PEZZO ELAB.
T3 SIGNAL FOR IDENTIFICAT.
OF PROCESSED PIECE TYPE

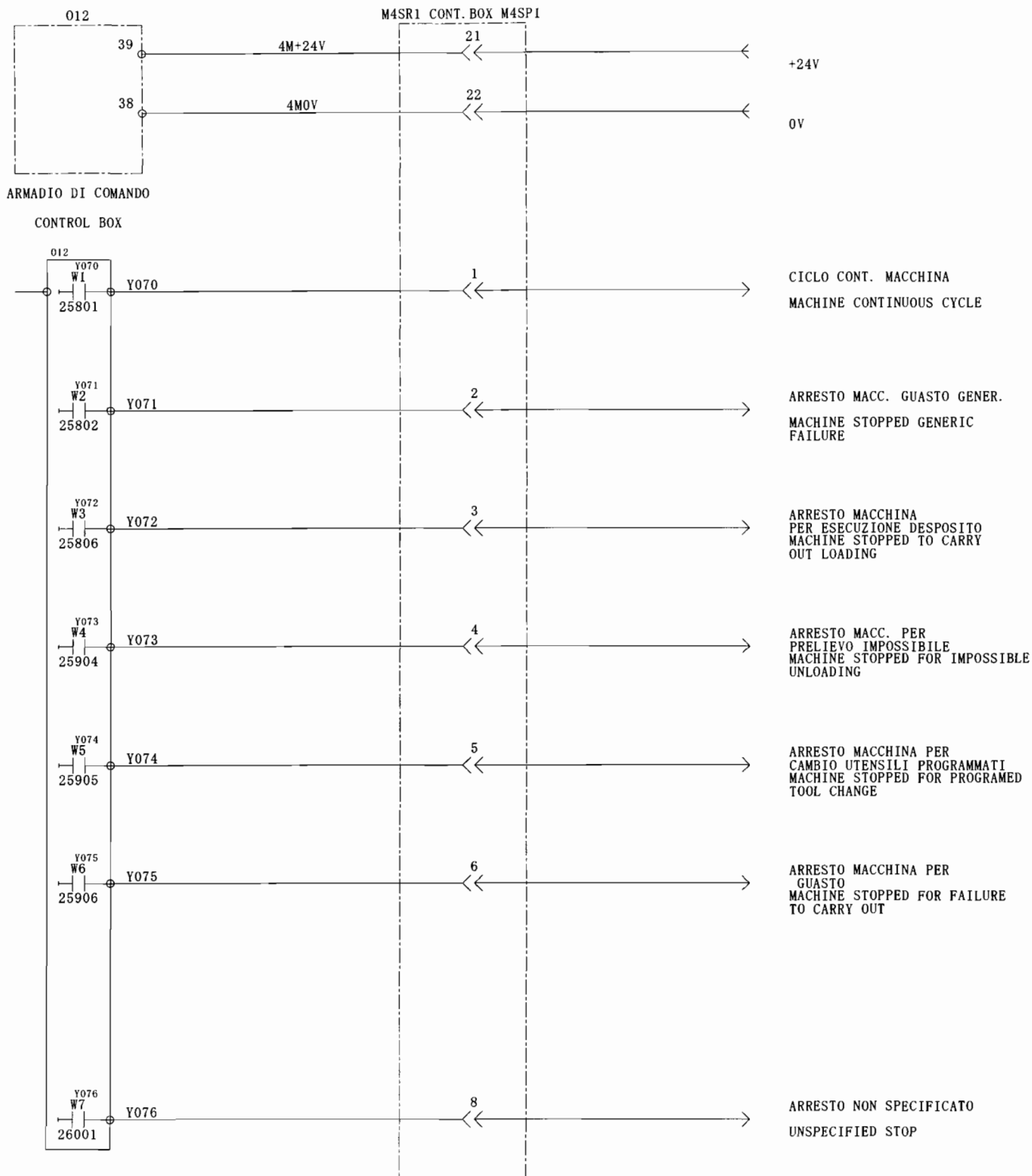
Y07D
W14

SEGNALE T4 PER IDENTIFICAZ.
TIPO PEZZO ELAB.
T4 SIGNAL FOR IDENTIFICAT.
OF PROCESSED PIECE TYPE

M4W13	M4W14																		
26612	26614																		

MIK164	IMP. SELEZ. PARTI 4	179	MIK171	IMP. SELEZ. PARTI 11	181
MIK165	IMP. SELEZ. PARTI 5	179			
MIK166	IMP. SELEZ. PARTI 6	180			
MIK167	IMP. SELEZ. PARTI 7	180			
MIK172	IMP. SELEZ. PARTI 12	181			
MIK173	IMP. SELEZ. PARTI 13	181			
MIK174	IMP. SELEZ. PARTI 14	181			
MIK175	IMP. SELEZ. PARTI 15	181			
MIK168	IMP. SELEZ. PARTI 8	180			
MIK169	IMP. SELEZ. PARTI 9	180			
MIK170	IMP. SELEZ. PARTI 10	180			

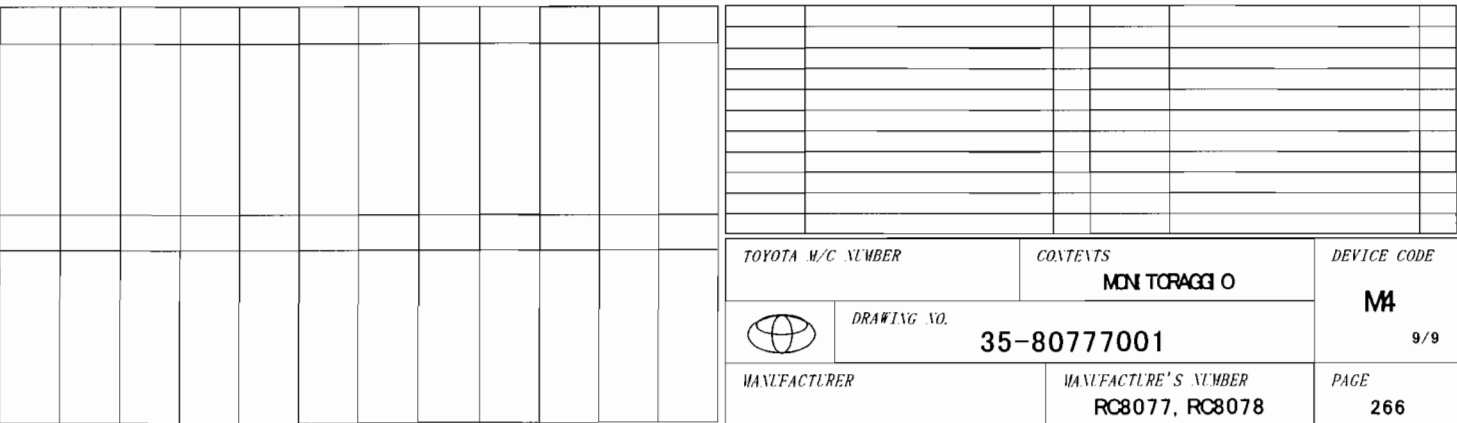
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		MON TORAGE O	M4
 DRAWING NO.		35-80777001	6/9
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	263

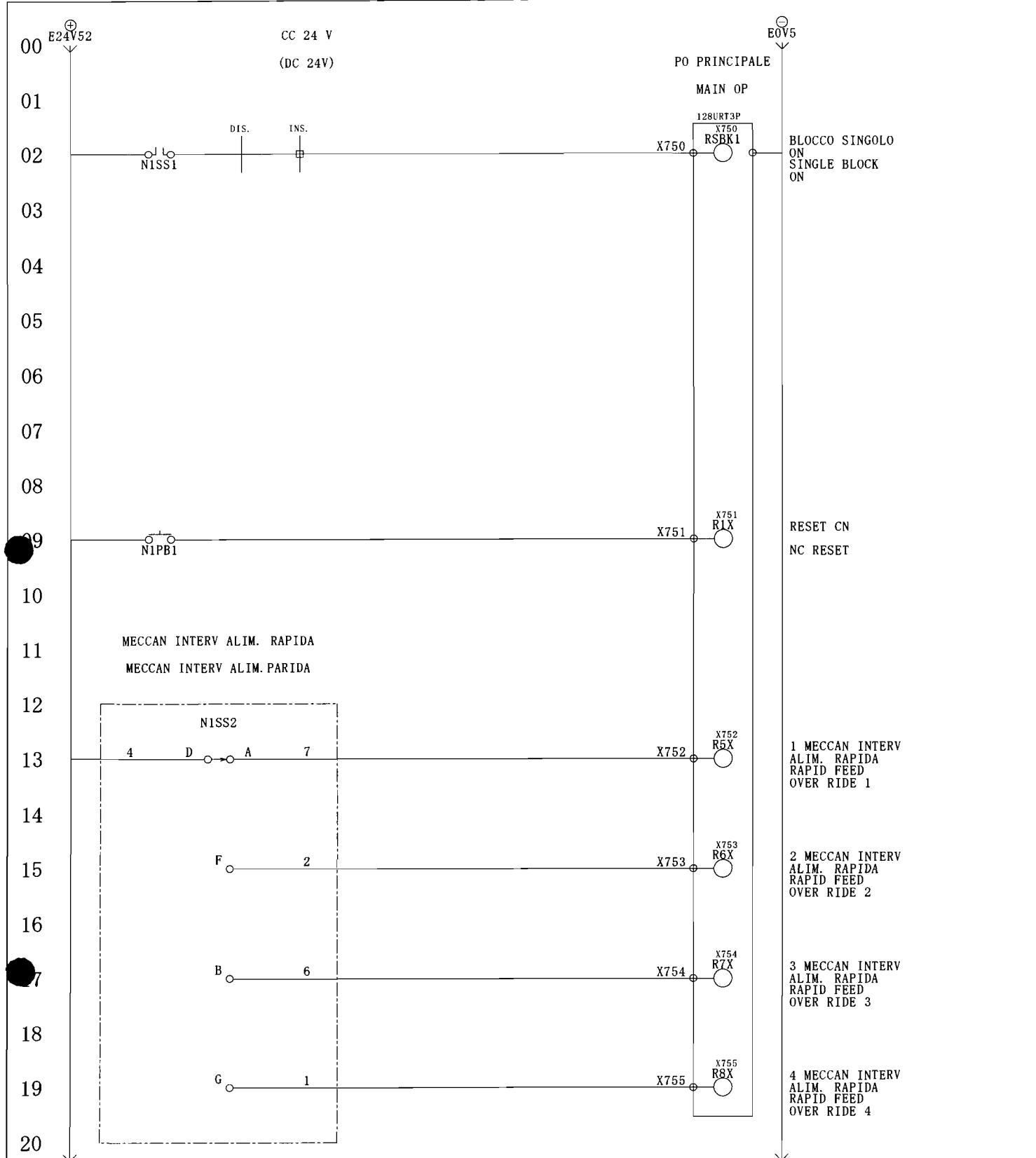
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<i>TOYOTA M/C NUMBER</i>		<i>CONTENTS</i> MON TORAGE O	<i>DEVICE CODE</i> M4
	<i>DRAWING NO.</i> 35-80777001		
<i>MANUFACTURER</i>		<i>MANUFACTURE'S NUMBER</i> RC8077, RC8078	<i>PAGE</i> 265

M4SR1 CONT. BOX M4SP1

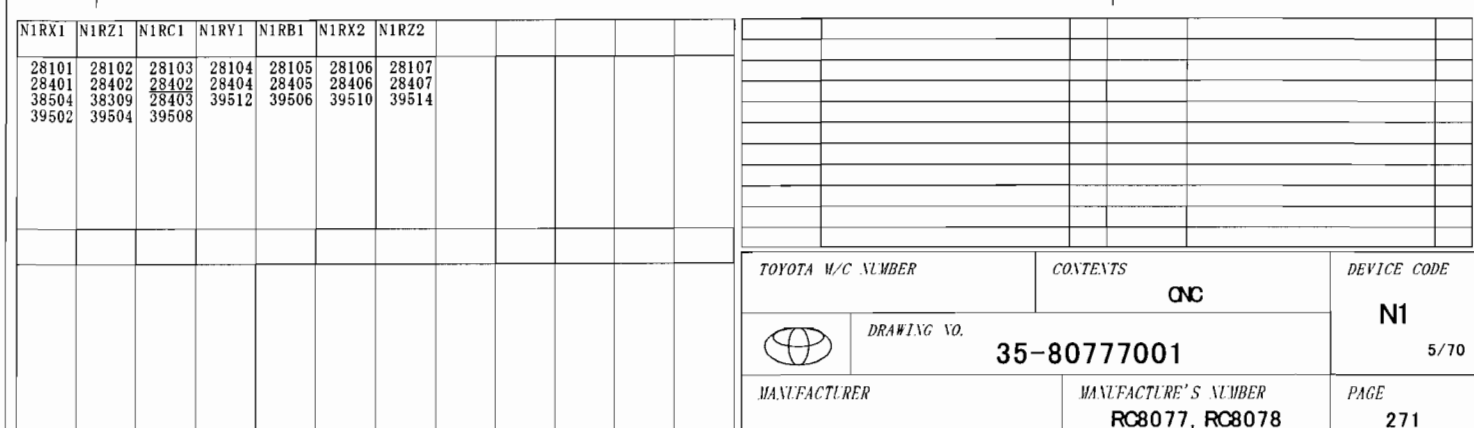
M4SR1 CONT. BOX M4SP1





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52306		28505	28505	11001	28505						
		28506	28506	28504	28506						
		28507	28507	28505	28507						
				28506							
				28507							

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		OHC		N1	
DRAWING NO.		35-80777001		3/70	
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		RC8077, RC8078		269	



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ARRESTO PROGRAMMA
CODICE M UNITA A
A UNIT M CODE
PROGRAM STOP

ARRESTO FAC.
CODICE M UNITA A
A UNIT M CODE
OPTIONAL STOP

FINE ARRESTO
CODICE M UNITA A
A UNIT M CODE
END OF STOP

AVANZ. MANDRINO PARTAP.
CODICE M UNITA A
A UNIT M CODE
WORK SP. FORWARD

RIAVV. MANDRINO PARTAP.
CODICE M UNITA A
A UNIT M CODE
WORK SP. REVERSE

ARRESTO MANDRINO PORTAP.
CODICE M UNITA A
A UNIT M CODE
WORK SP. STOP
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TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		QNC 35-80777001	N1 7/70
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		RC8077, RC8078	273

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M471 N2DMF1A	M755 N2DM32A	M754 N2DM16A	M753 N2DM08A	M752 N2DM04A	M751 N2DM02A	M750 N2DM01A
36709	37212	37210	37208	37206	37204	37202
M471 N2DMF1A	M755 N2DM32A	M754 N2DM16A	M753 N2DM08A	M752 N2DM04A	M751 N2DM02A	M750 N2DM01A
36709	37212	37210	37208	37206	37204	37202
M471 N2DMF1A	M755 N2DM32A	M754 N2DM16A	M753 N2DM08A	M752 N2DM04A	M751 N2DM02A	M750 N2DM01A
36709	37212	37210	37208	37206	37204	37202
M471 N2DMF1A	M755 N2DM32A	M754 N2DM16A	M753 N2DM08A	M752 N2DM04A	M751 N2DM02A	M750 N2DM01A
36709	37212	37210	37208	37206	37204	37202
M471 N2DMF1A	M755 N2DM32A	M754 N2DM16A	M753 N2DM08A	M752 N2DM04A	M751 N2DM02A	M750 N2DM01A
36709	37212	37210	37208	37206	37204	37202

M449
DM06A
M44A
DM25A
M44B
DM15A
M44C
DM16A
M44D
DM34A
M44E
DM38A

MEMORIA POSIZIONE COMP.
CODICE M UNITA A
A UNIT M CODE POSITION
MEMORY COMPLETE
RIT. LUN.
CODICE M UNITA A
A UNIT M CODE
REST RET.
CALIBRATORE AUTOM. AVANZ. 1
CODICE M UNITA A
A UNIT M CODE
AUTO-SIZER ADVANCE 1
RITORNO CALIB. AUTOM.
CODICE M UNITA A
A UNIT M CODE
AUTO-SIZER RETURN
LIMITE ALIM.
CODICE M UNITA A
A UNIT M CODE
POWER LIMIT
LIMITE ALIM.
CODICE M UNITA A
A UNIT M CODE
POWER LIMIT

N1DM06 A	N1DM25 A	N1DM15 A	N1DM16 A	N1DM34 A	N1DM38 A														
29602	56506			53311															
29802				53501															
30002				56301															
30401				56504															
31206																			

N2DMF1A	MF UNITA A	367			
N2DM32A	UNITA ACODICE M 32	372			
N2DM16A	UNITA ACODICE M 16	372			
N2DM08A	UNITA ACODICE M 8	372			
N2DM04A	UNITA ACODICE M 3	372			
N2DM02A	UNITA ACODICE M 2	372			
N2DM01A	UNITA ACODICE M 1	372			

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		QC		N1	
		DRAWING NO.		8/70	
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M471 N2DMF1A	M755 N2DM32A	M754 N2DM16A	M753 N2DM08A	M752 N2DM04A	M751 N2DM02A	M750 N2DM01A
36709	37212	37210	37208	37206	37204	37202
M471 N2DMF1A	M755 N2DM32A	M754 N2DM16A	M753 N2DM08A	M752 N2DM04A	M751 N2DM02A	M750 N2DM01A
36709	37212	37210	37208	37206	37204	37202
M471 N2DMF1A	M755 N2DM32A	M754 N2DM16A	M753 N2DM08A	M752 N2DM04A	M751 N2DM02A	M750 N2DM01A
36709	37212	37210	37208	37206	37204	37202
M471 N2DMF1A	M755 N2DM32A	M754 N2DM16A	M753 N2DM08A	M752 N2DM04A	M751 N2DM02A	M750 N2DM01A
36709	37212	37210	37208	37206	37204	37202
M471 N2DMF1A	M755 N2DM32A	M754 N2DM16A	M753 N2DM08A	M752 N2DM04A	M751 N2DM02A	M750 N2DM01A
36709	37212	37210	37208	37206	37204	37202

M456
DM27A
M457
DM26A
M458
DM24A
M459
DM50A
M45A
DM51A

SBLOCCO TRAVERSA LUNETTA
CODICE M UNITA A
A UNIT M CODE REST
TRAVERSE UNCLAMP
BLOCCO TRAVERSA LUNETTA
CODICE M UNITA A
A UNIT M CODE REST
TRAVERSE CLAMP
AVANZ. LUNETTA COD. M UNITA A
A UNIT M CODE REST ADV.
POS. RETTIF. LUNETTA
CODICE M UNITA A
A UNIT M CODE
REST GRINDING POSI.
POS. PART. LUNETTA
CODICE M UNITA A
A UNIT M CODE
REST HOME POSI.

N1DM27 A	N1DM26 A	N1DM24 A	N1DM50 A	N1DM51 A															
		56505																	

N2DMF1A	MF UNITA A	367			
N2DM32A	UNITA ACODICE M 32	372			
N2DM16A	UNITA ACODICE M 16	372			
N2DM08A	UNITA ACODICE M 8	372			
N2DM04A	UNITA ACODICE M 3	372			
N2DM02A	UNITA ACODICE M 2	372			
N2DM01A	UNITA ACODICE M 1	372			

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		ONC		N1	
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N1DMC

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ARRESTO PROGRAMMA
CODICE M UNITA B
B UNIT M CODE
PROGRAM STOP

ARRESTO FAC.
CODICE M UNITA B
B UNIT M CODE
OPTIONAL STOP

FINE PROGRAMMA
CODICE M UNITA B
B UNIT M CODE
END OF PROGRAM

AVANZ. MANDRINO PORTAP.
CODICE M UNITA B
B UNIT M CODE
WORK SP. FORWARD

RIAVV. MANDRINO PORTAP.
CODICE M UNITA B
B UNIT M CODE
WORK SP. REVERSE

ARRESTO MANDRINO PORTAP.
CODICE M UNITA B
B UNIT M CODE
WORK SP. STOP

CODICE M UNITA B

B UNIT M CODE
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TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
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RIT. LUNETTA
CODICE M UNITA B
B UNIT M CODE
REST RET.

SBLOCCO TRAVERSA LUNETTA
CODICE M UNITA B
B UNIT M CODE
REST TRAVERSE UNCLAMP

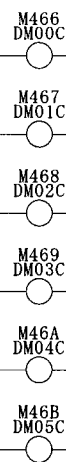
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AVANZ. LUNETTA
CODICE M UNITA B
B UNIT M CODE
REST ADV.

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TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		CNC 35-80777001	N1 12/70
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ARRESTO PROGRAMMA
CODICE M UNITA C
C UNIT M CODE
PROGRAM STOP

ARRESTO FAC.
CODICE M UNITA C
C UNIT M CODE
OPTIONAL STOP

FINE PROGRAMMA
CODICE M UNITA C
C UNIT M CODE
END OF PROGRAM

AVANZ. MANDRINO P
CODICE M UNITA C
C UNIT M CODE
WORK SP. FORWARD

RIT. MANDRINO POR
CODICE M UNITA C
C UNIT M CODE
WORK SP. REVERSE

ARRESTO MANDRINO
CODICE M UNITA C
C UNIT M CODE
WORK SP. STOP

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TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
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M473 N2DMF1C	M775 N2DM32C	M774 N2DM16C	M773 N2DM08C	M772 N2DM04C	M771 N2DM02C	M770 N2DM01C
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M473 N2DMF1C	M775 N2DM32C	M774 N2DM16C	M773 N2DM08C	M772 N2DM04C	M771 N2DM02C	M770 N2DM01C
36711	37412	37410	37408	37406	37404	37402
M473 N2DMF1C	M775 N2DM32C	M774 N2DM16C	M773 N2DM08C	M772 N2DM04C	M771 N2DM02C	M770 N2DM01C
36711	37412	37410	37408	37406	37404	37402
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M46C
DM34C
M46D
DM35C
M46E
DM38C
M46F
DM39C
M470
DM57C

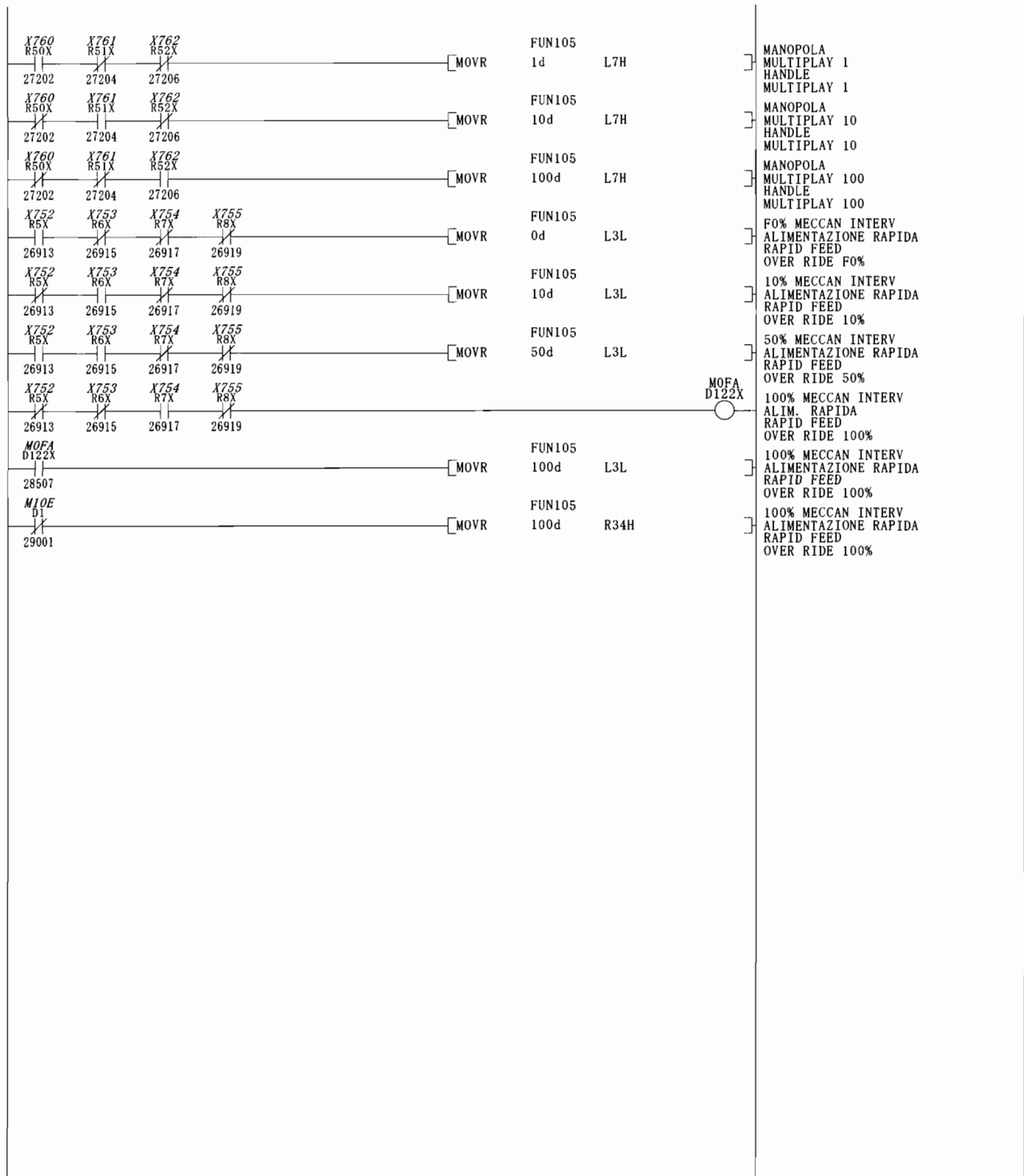
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CODICE M UNITA C
C UNIT M CODE
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CICLO CONTROLLO PERNO
CODICE M UNITA C
C UNIT M CODE
PIN CHECK CYCLE
CODICE M UNITA C
C UNIT M CODE

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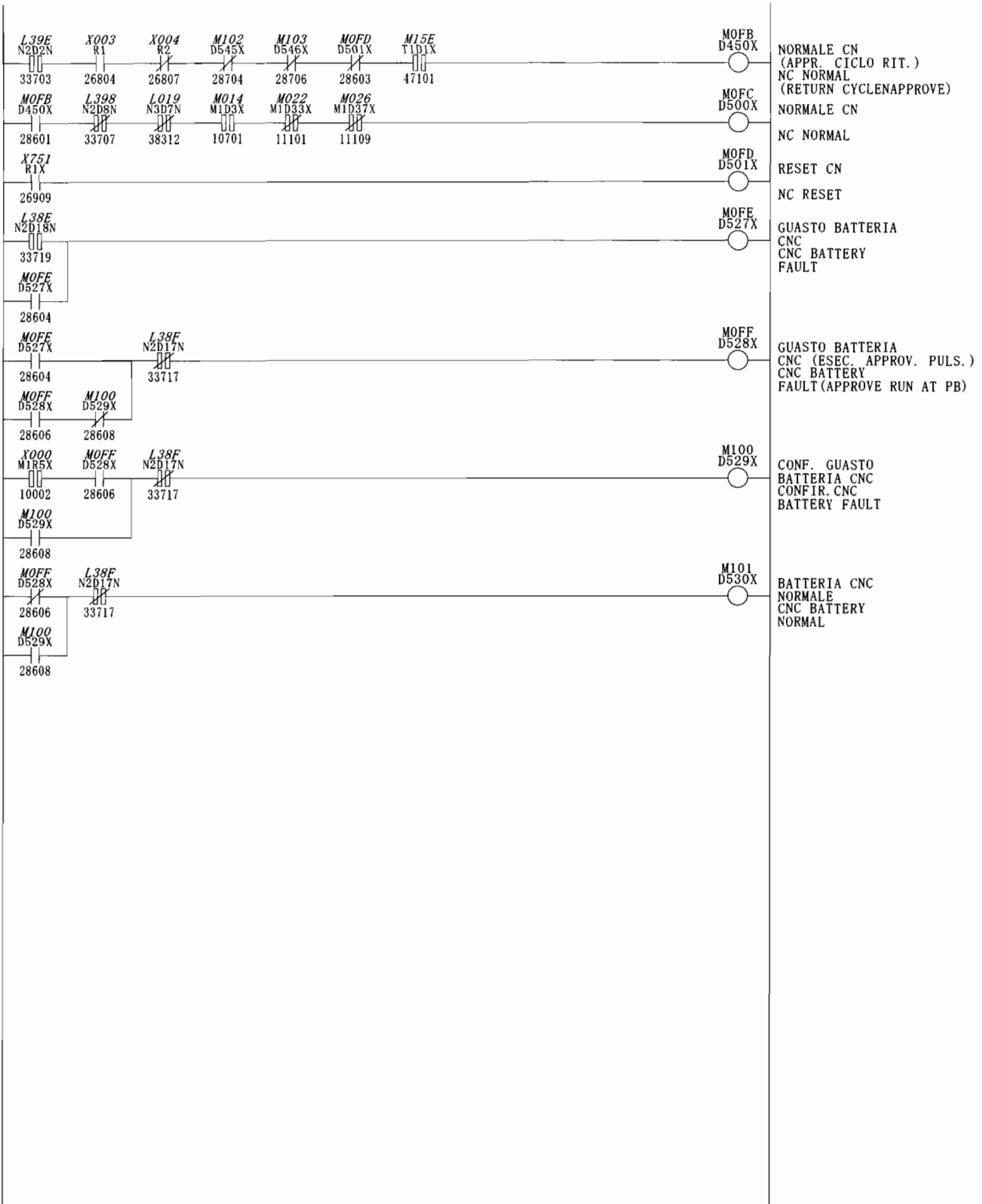
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N2DM08C	UNITA CCODICE M 8	374							
N2DM04C	UNITA CCODICE M 4	374							
N2DM02C	UNITA CCODICE M 2	374							
N2DM01C	UNITA CCODICE M 1	374							

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
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N1D12

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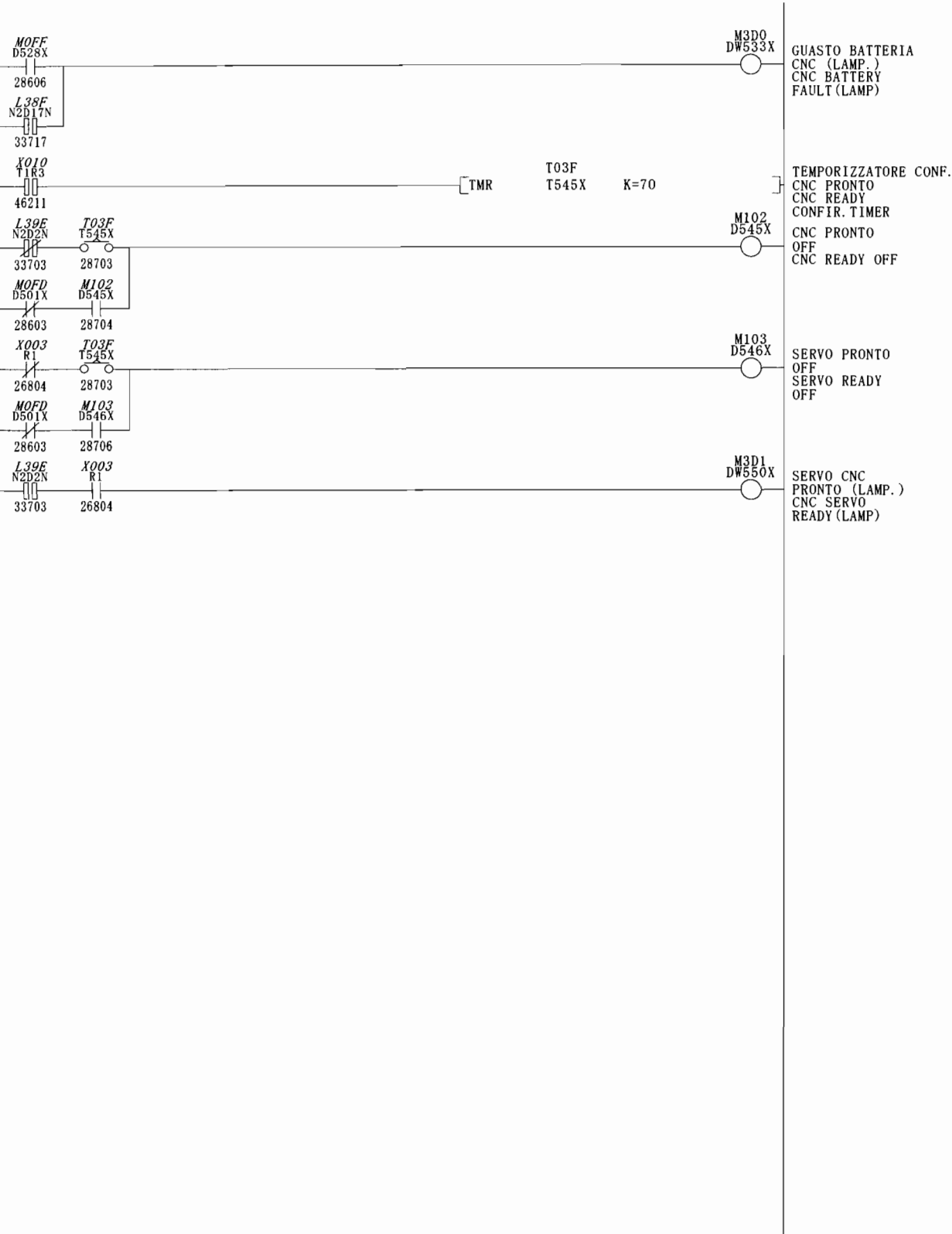


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X	X	X	X	X	X	X	X												
28602	12204	11102	28605	10807	28607	11403	29901												
61101	12304	11104	28606	28607	28609	12202	30101												
61105	15004	11106		28608	28611	15001	30301												
63803	28903	11108		28610		28804	61101												
63810	55003	15004		28701		28805	68002												
68002		28601		42006		28806	68005												
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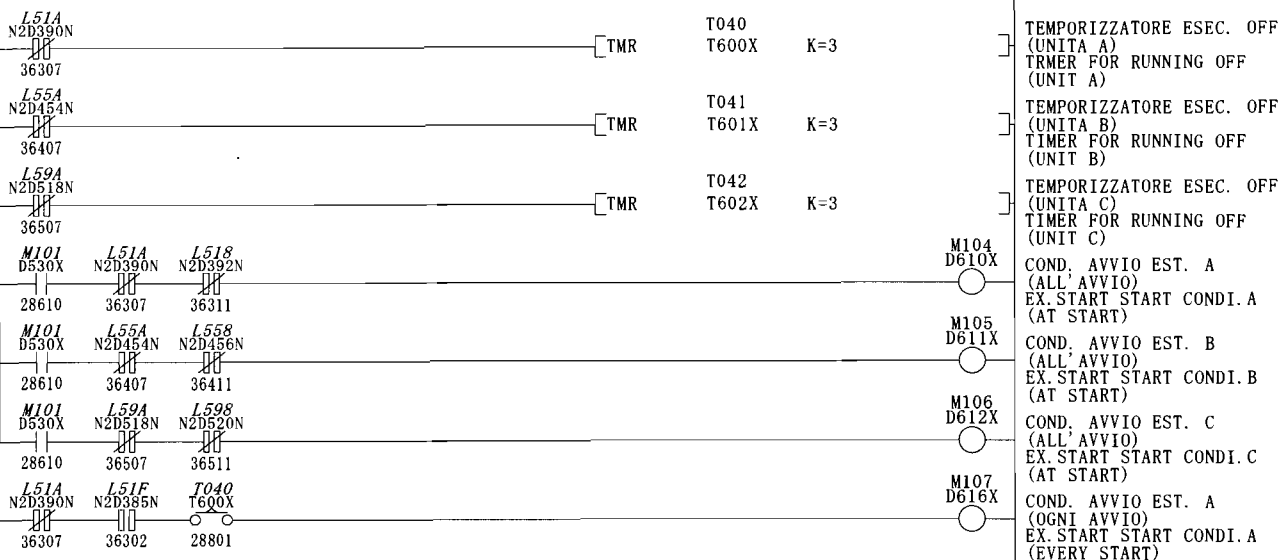
N2D2N	SERVO CNC PRONTO (ON PER PRONTO)	337																	
T1D1X	ARRESTO EMERGENZA	471																	
N2D8N	RESET IN CORSO	337																	
N3D7N	RESET CN	383																	
M1D3X	SPOST. SUP. ASSE CN	107																	
M1D33X	GUASTO CN B (RITORNO)	111																	
M1D37X	GUASTO CN F (ARRESTO CICLO)	111																	
N2D18N	ALLARME BATTERIA	337																	
N2D17N	GUASTO BATTERIA	337																	
M1R5X	ATTENZIONE DIRETTORE COMMUNICAZIONE: CONFERMA BATTERIA PUL	100																	

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		CNC		N1	
		DRAWING NO.		20/70	
		35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		286	

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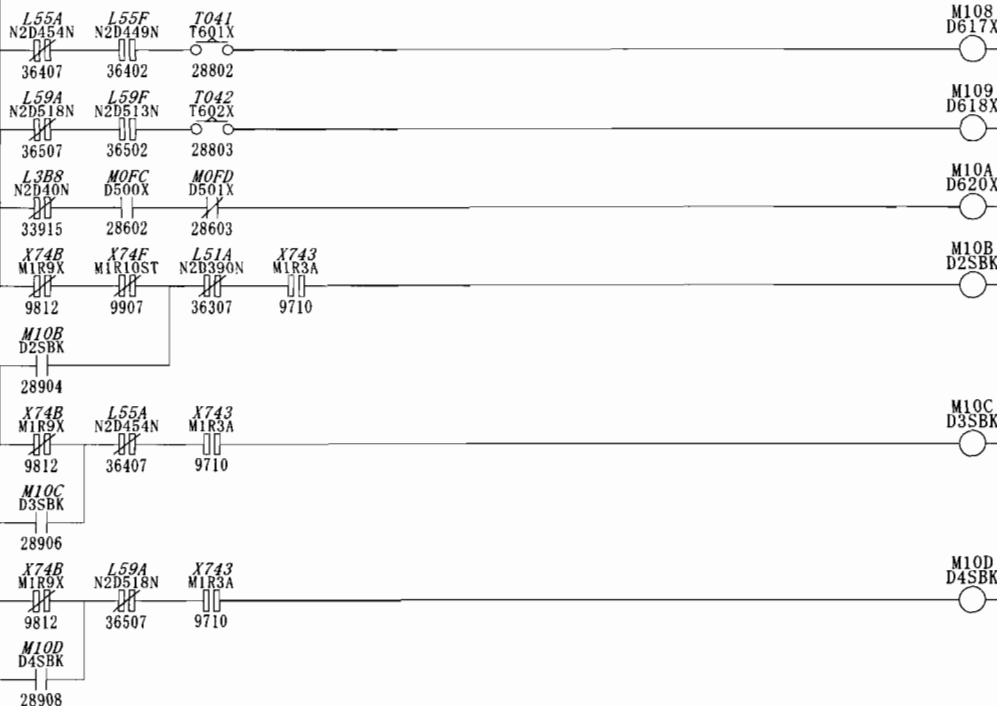


N1T600	N1T601	N1T602	N1D610	N1D610	N1D610	N1D611	N1D612	N1D616	N1D616	N1D616
X	X	X	X	X	X	X	X	X	X	X
28807	28901	28902	14801	62801	70701		53001	14103	58902	68702
			15401	66101	70901		53115	14302	59102	68902
			18701	66501			55201	14502	59302	69302
			58501	66701			55501	14802	59502	69508
			58704	67101			55901	15402	62403	69801
			58901	68701			56101	18703	62803	70702
			59101	68901			59701	29302	66102	70902
			59301	69301				29309	66502	
			59501	69507				58502	66702	
			62401	69801				58705	67102	

N2D390N	AVVIO ESEC. AUTOM. UNITA A	363			
N2D454N	AVVIO ESEC. AUTOM. UNITA B	364			
N2D518N	AVVIO ESEC. AUTOM. UNITA C	365			
N2D392N	ESECUZ. AUTOM. UNITA A	363			
N2D456N	ESEC. AUTOM. UNITA B	364			
N2D520N	ESEC. AUTOM. UNITA C	365			
N2D385N	DISTRIBUZIONE UNITA ACOMPLETATA	363			

TOYOTA W/C NUMBER		CONTENTS		DEVICE CODE	
		CNC		N1	
		DRAWING NO.		22/70	
		35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		288	

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COND. AVVIO EST. B
(OGNI AVVIO)
EX. START START CONDI. B
(EVERY START)

COND. AVVIO EST. C
(OGNI AVVIO)
EX. START START CONDI. C
(EVERY START)

COND. ESEC.
AVVIO EST.
EX. START RUN
CONDI.

CONTR. DIS. PULS. BLOCCO SING.
(UNITA A)
SINGLE BLOCK PB OFF CHECK
(A UNIT)

CONTR. DIS. PULS. BLOCCO SING.
(UNITA B)
SINGLE BLOCK PB OFF CHECK
(B UNIT)

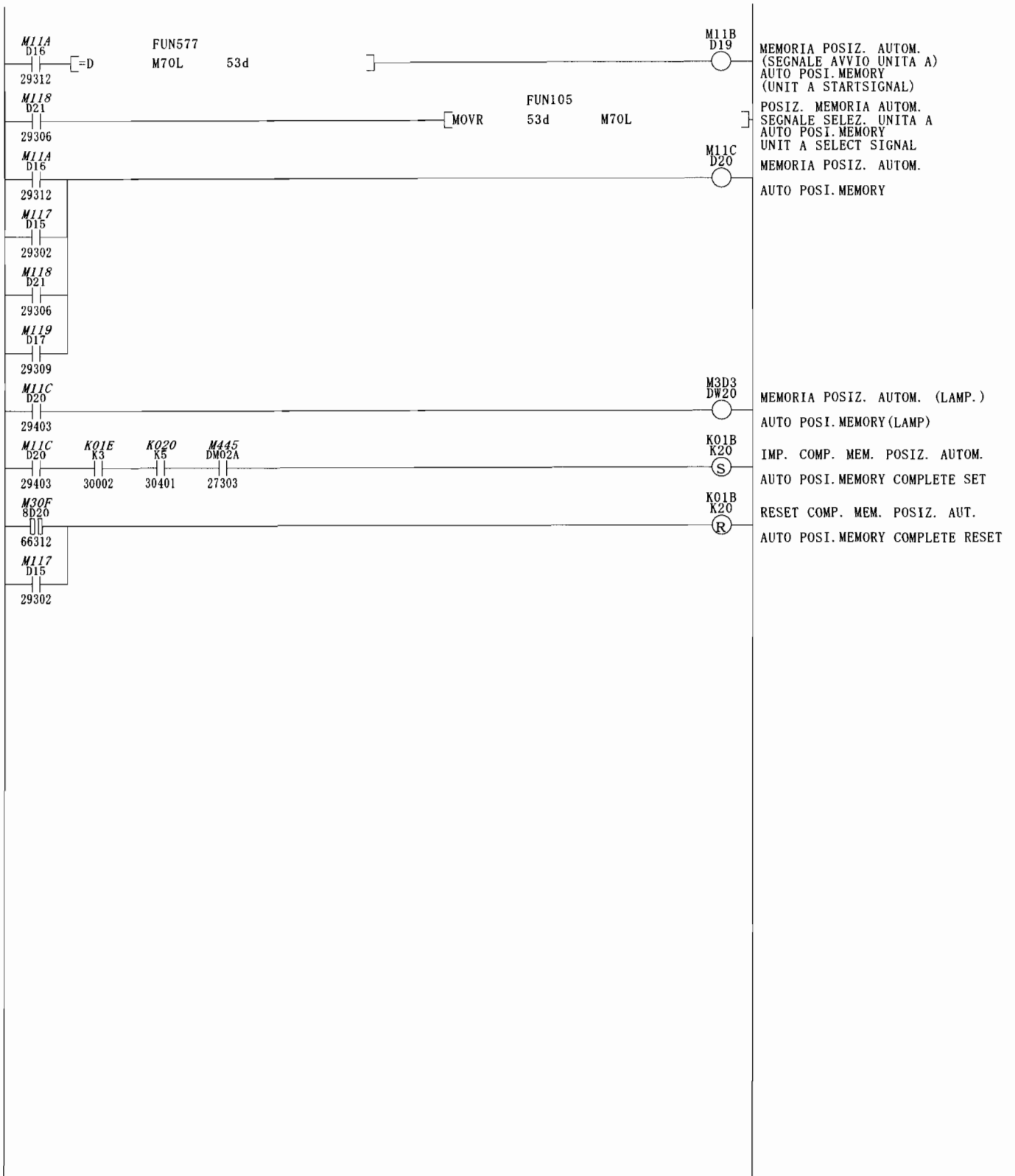
CONTR. DIS. PULS. BLOCCO SING.
(UNITA C)
SINGLE BLOCK PB OFF CHECK
(C UNIT)

N1D617	N1D618	N1D620	N1D620	N1D620	N1D620	N1D2SB	N1D2SB	N1D2SB	N1D3SB	N1D4SB	
X	X	X	X	X	X	K	K	K	K	K	
53002	12203	30103	58707	66704	14106	58802	66902	28907	28909		
53201	14803	30303	58904	67104	14303	58908	67302		53103		
55202	15204	52802	59104	68706	14503	59108	68710		53214		
55503	15403	53008	59304	68906	14805	59308	69002		55302		
55902	18705	53206	59504	69306	15406	59508	69402		55603		
56102	29103	55206	59704	69511	18804	59708	69604		56002		
59702	29301	55507	62409	69803	28905	62505	70802		56202		
	29503	55906	62806	69807	29303	62902	71002				
	29703	56106	66104	70706	29310	66302	71006				
	29903	58504	66504	70906	58602	66507					

N2D454N	AVVIO ESEC. AUTOM. UNITA B	364		
N2D449N	DISTRIBUZIONE UNITA B COMPLETATA	364		
N2D518N	AVVIO ESEC. AUTOM. UNITA C	365		
N2D513N	DISTRIBUZIONE UNITA C COMPLETATA	365		
N2D40N	MDI IN CORSO	339		
M1R9X	AVVIO BLOCCO SINGOLO	98		
M1R10ST	AVVIO CICLORISCALDAMENTO	99		
N2D390N	AVVIO ESEC. AUTOM. UNITA A	363		
M1R3A	MEMORIA MODALITANC	97		

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		QC		N1	
DRAWING NO.		35-80777001		23/70	
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		289	

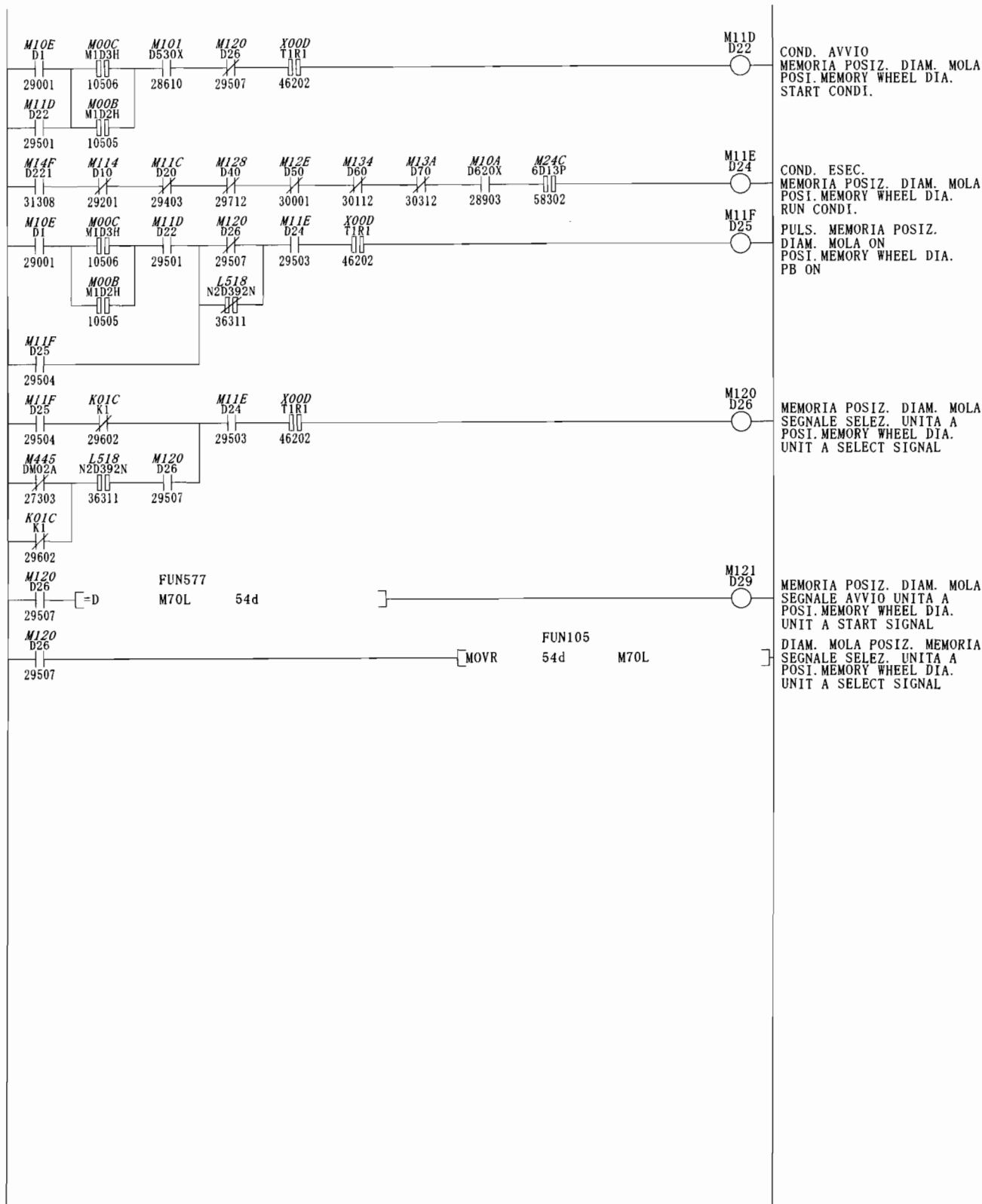
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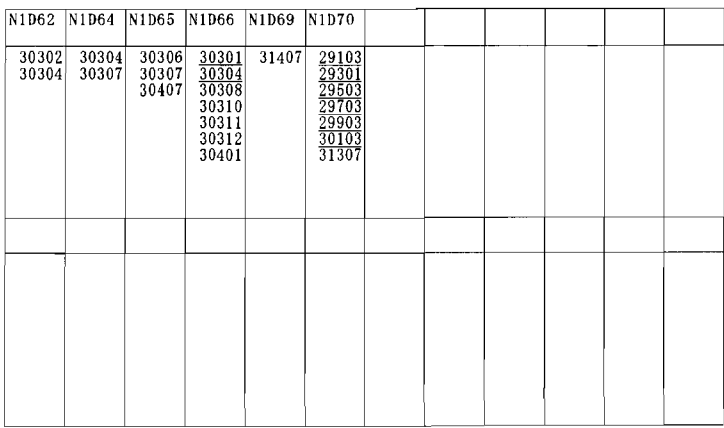


N1D19	N1D20	N1D20	N1DW20	N1K20															
31402	29103 29407 29408 29503 29703 29903 30004 30103 30303 30403	31302 51203	43213	30507 30607															

8D20	SOSTITUZIONEMOLA RITORNO	663																	
TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE															
		OHC		N1															
DRAWING NO.		35-80777001																	
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE															
		RC8077, RC8078		294															

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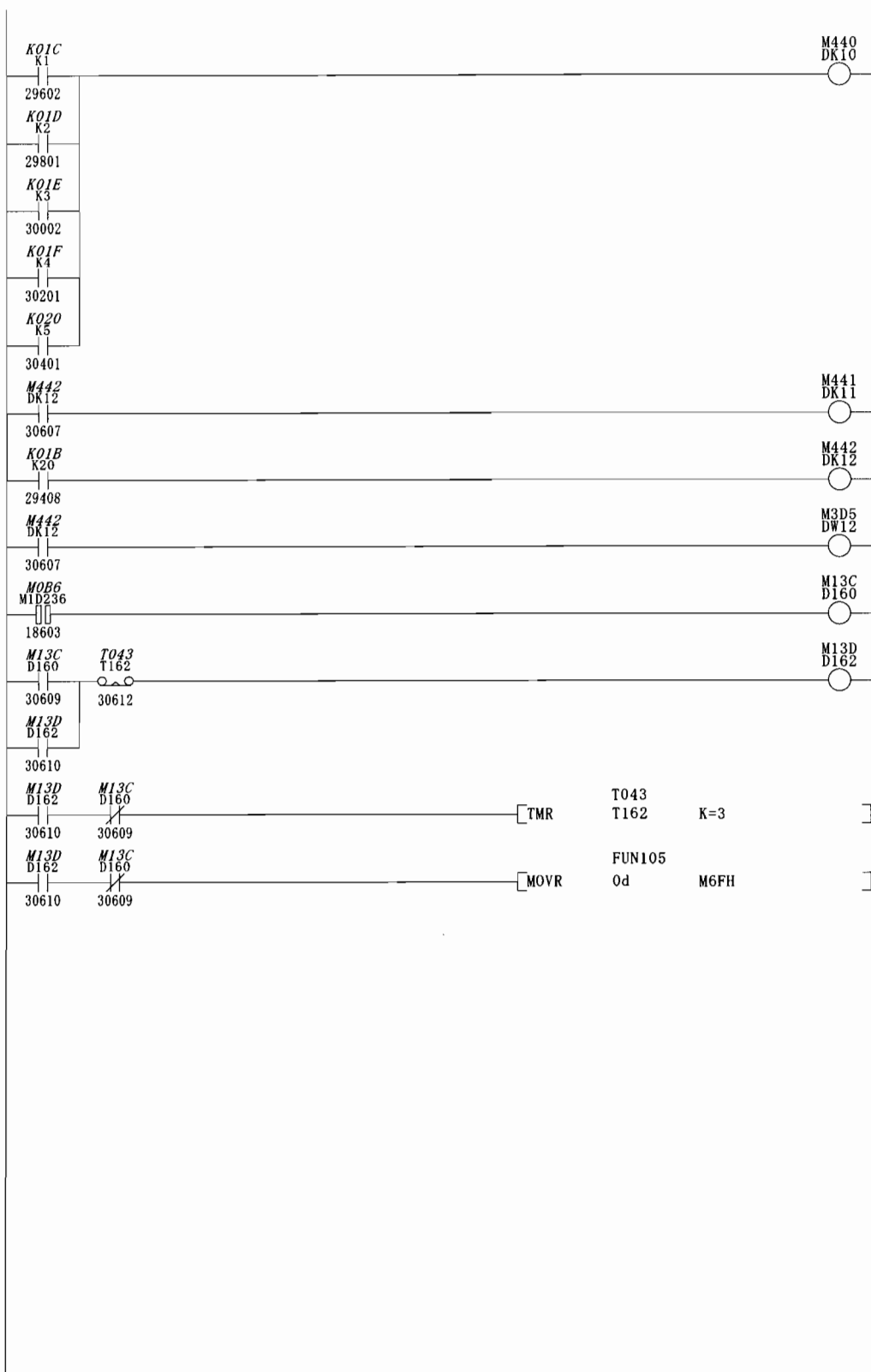




TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		CNC 35-80777001	N1 37/7
DRAWING NO.		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	303

<i>K01C</i> K1 29602 <i>L425</i> N2D187N 34813 <i>L424</i> N2D188N 34815 <i>K01E</i> K3 30002 <i>L427</i> N2D185N 34809 <i>K020</i> K5 30401 <i>L426</i> N2D186N 34811 <i>K01C</i> K1 29602 <i>K020</i> K5 30401 <i>K01E</i> K3 30002 <i>K01C</i> K1 29602 <i>K01D</i> K2 29801 <i>M10E</i> D1 29001 <i>K01E</i> K3 30002 <i>K020</i> K5 30401 <i>K01B</i> K20 29408 <i>K00A</i> M1KP5 10315 <i>M43F</i> DK7 30507 <i>M43F</i> DK7 30507 <i>K005</i> M1K100 15508	M13B D80 M43C DK1 M43D DK5 M43E DK3 M43F DK7 M411 DWK1 M412 DWK2 M3D4 DW85	MEMORIA POSIZ. COMPL. POSI. MEMORY COMPLETE DIAM. MOLA POSIZ. MEMORIA (LAMP.) POSI. MEMORY WHEEL DIAMETER (LAMP) RULLO DIAM. POSIZ. MEMORIA (LAMP.) POSI. MEMORY DIAMOND ROLL (LAMP) PERNO CONTATTO POSIZ. MEM. (LAMP.) POSI. MEMORY CONTACT PIN (LAMP) CAMBIO MOLA POS. MEMORIA COMPLET. POSI. MEMORY WHEEL CHANGE COMPLETE CAMBIO MOLA POS. MEMORIA COMPLET. (LAMP.) POSI. MEMORY WHEEL CHANGE COMPLETE CAMBIO MOLA POS. MEMORIA COMPLET. (LAMP.) POSI. MEMORY WHEEL CHANGE COMPLETE (LAMP) CAMPIONATURA NON COMPLETATA (LAMP.) SAMPLING NOT COMPLETE (LAMP)

DRAWING NO. OF STANDARD: MACHINE NAME: CNC PRODUCTION TYPE GRINDER MODEL CO-63 DRAWN: 00/06/20 REVIEW: 05/10/21 PRINT OUT: 05/10/21



POSIZ. MEMORIA
 COMPL.
 POSI. MEMORY
 COMPLETE

POSIZ. MEMORIA AUTOM.
 COMPL.
 AUTO POSI. MEMORY
 COMPLETE

POSIZ. MEMORIA AUTOM.
 COMPL.
 AUTO POSI. MEMORY
 COMPLETE

POSIZ. MEMORIA AUTOM.
 COMPL.
 AUTO POSI. MEMORY COMPLETE

AVVIO PROGRAMMA UNITA F
 UNIT F PROGRAM STARTING

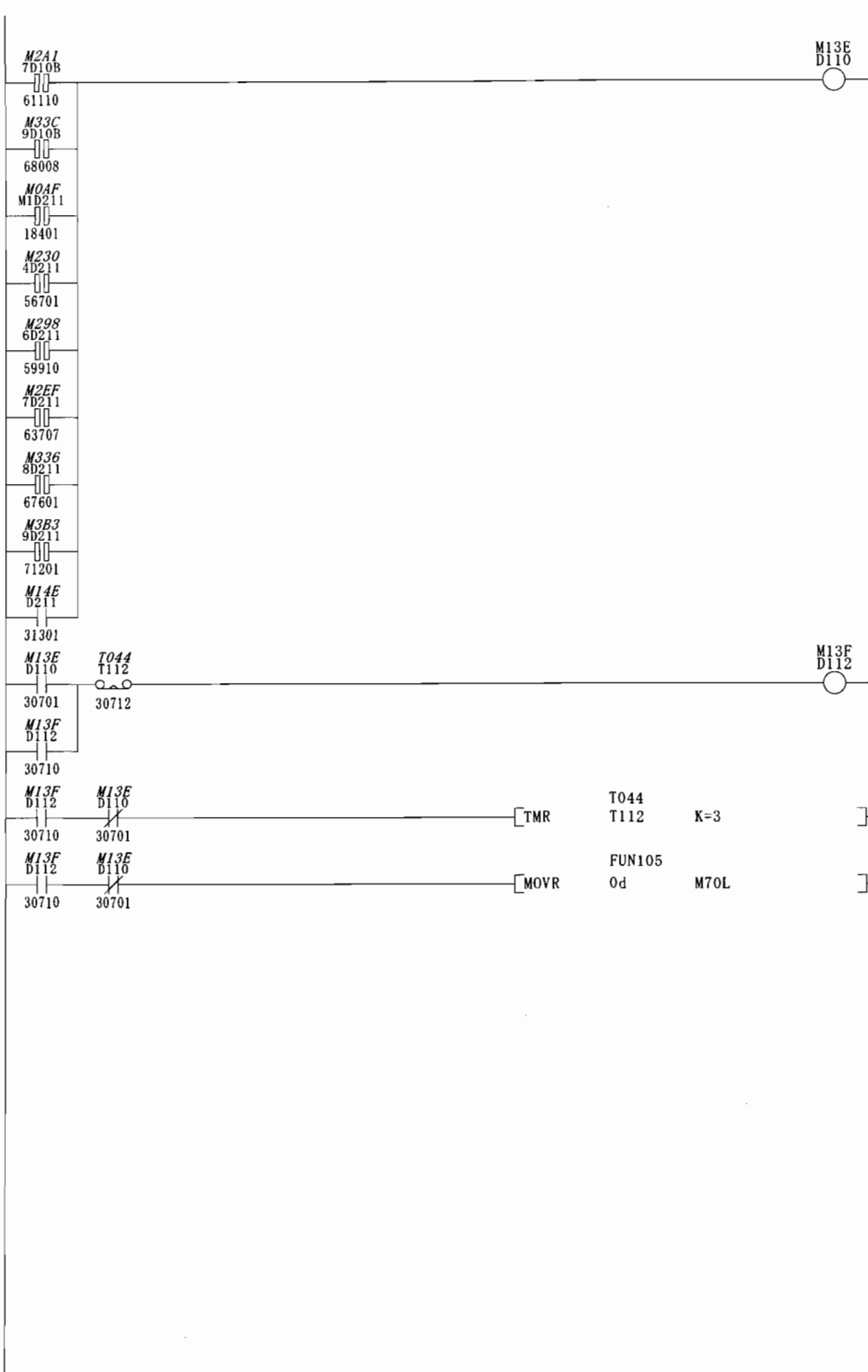
AVVIO PROGRAMMA UNITA F
 UNIT F PROGRAM STARTING

TEMPORIZZATORE PROGRAMMA
 UNITA F OFF
 TIMER FOR UNIT F
 PROGRAM OFF

RESET Progr. N. UNITA F
 RESET UNIT F PROGRAM NO.

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PROGRAMMA UNITA A IN CORSO
UNIT A PROGRAM RUNNING

PROGRAMMA UNITA
A IN CORSO
UNIT A
PROGRAM RUNNING

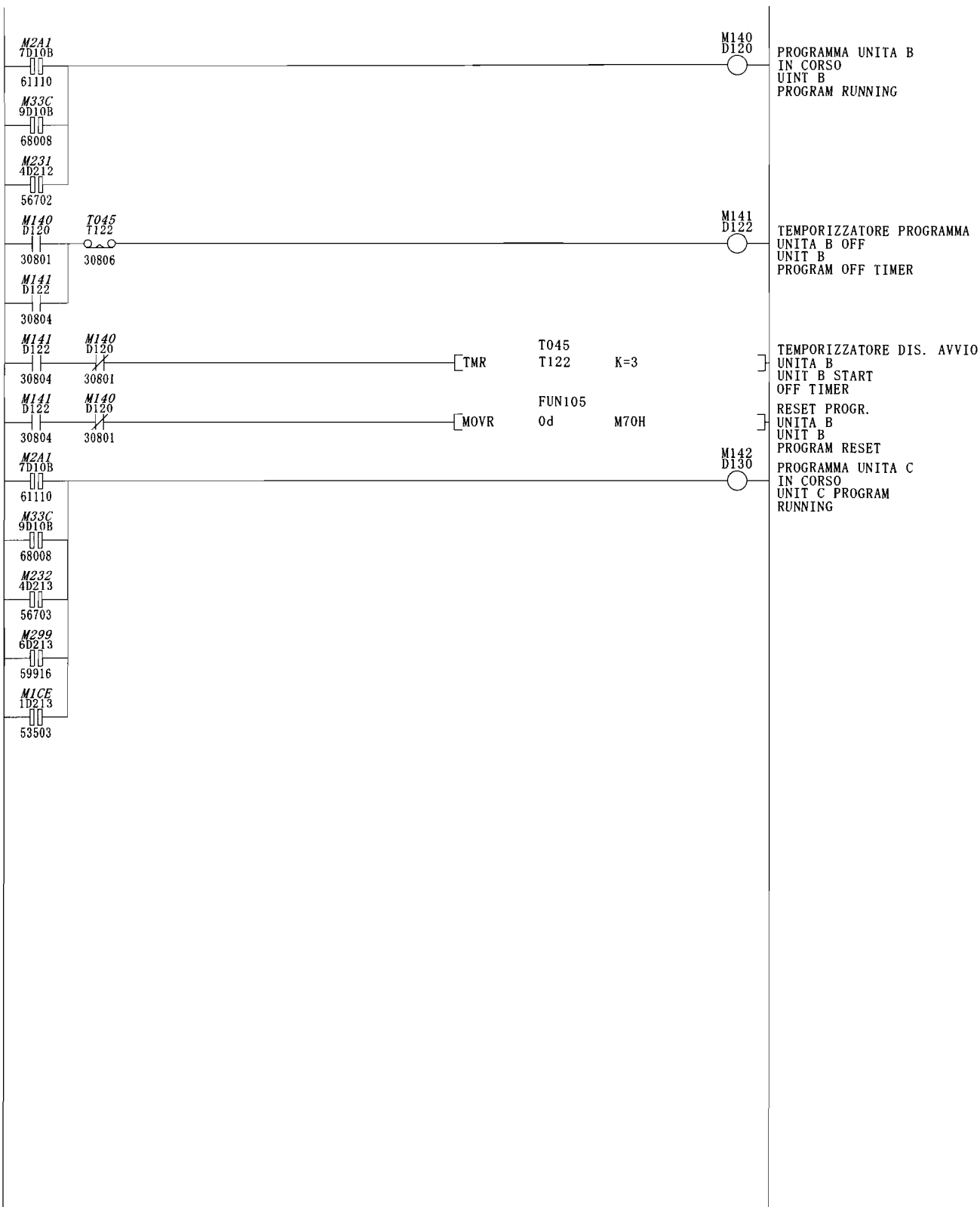
TEMPORIZZATORE DIS. AVVIO
UNITA A
UNIT A START
OFF TIMER
POSIZ.
RAVVIV. TAVOLA
TABLE TRUER
POS.

N1D110	N1D112	N1D112	N1D112	N1D112	N1T112						
10903	12004	41919	48202	63810	30710						
15204	30711	42002	48205	68308							
30710	30712	42004	48306	71401							
30712	30713	42008	51008	71407							
30713	41903	42010	53909								
31009	41907	42012	54005								
59707	41911	42014	61513								
70601	41913	47302	61703								
	41915	47305	61706								
	41917	47308	63803								

7D10B	CICLO RITORNO	611			
9D10B	RITORNO RIPASSATORE	680			
M1D211	ESECUZIONE CN ATTORNO M1 (LIVELLO A)	184			
4D211	ESECUZIONE CN ATTORNO 4 (LIVELLO A)	567			
6D211	ESECUZIONE CN ATTORNO 6 (LIVELLO A)	599			
7D211	ESECUZ. CN (LIVELLO A)	637			
8D211	ESECUZ. CN (LIVELLO A)	676			
9D211	ESECUZ. CN (LIVELLO A)	712			

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		CNC		N1	
		DRAWING NO.		41/70	
		35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		307	

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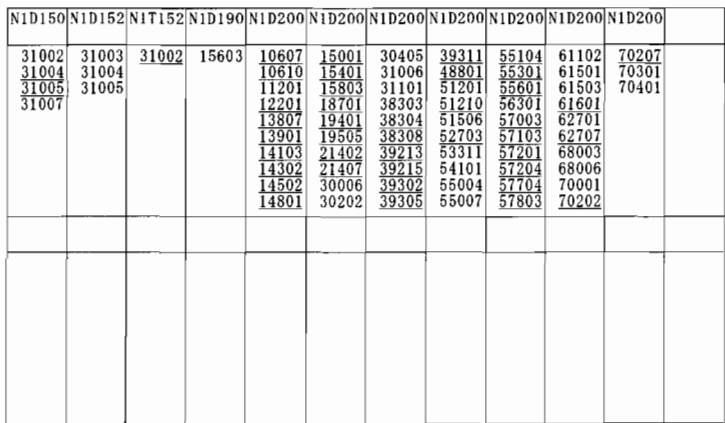
[illegible]

7D10B	CICLO RITORNO		611		
9D10B	RITORNORIPASSATORE		680		
4D212	ESECUZIONE CN ATTORNO 4(LIVELLO B)		567		
4D213	ESECUZIONE CN ATTORNO 4(LIVELLO C)		567		
6D213	ESECUZIONE CN ATTORNO 6(LIVELLO C)		599		
1D213	ESECUZ. CN ATTORNO 4(LIVELLO C)		535		

<i>TOYOTA M/C NUMBER</i>		<i>CONTENTS</i>	<i>DEVICE CODE</i>
		OAC	N1
	<i>DRAWING NO.</i> 35-80777001		42/71
<i>MANUFACTURER</i>		<i>MANUFACTURE'S NUMBER</i> RC8077, RC8078	<i>PAGE</i> 308

M142 D130	T046 T132					M143 D132	PROGRAMMA UNITA C IN CORSO UNIT C PROGRAM RUNNING
30808	30903						
M143 D132							
30901							
M143 D132	M142 D130	[TMR	T046 T132	K=3			TEMPORIZZATORE PROGRAMMA UNITA C UNIT C PROGRAM OFF TIMER
30901	30808						
M143 D132	M142 D130	[MOVR	FUN105 Od	M71L			RESET PROGR. UNITA C UNIT C PROGRAM RESET
30901	30808						
NIOE D1						M144 D140	PROGRAMMA UNITA D IN CORSO UNIT D PROGRAM RUNNING
29001							
M144 D140	T047 T142					M145 D142	PROGRAMMA UNITA D IN CORSO UNIT D PROGRAM RUNNING
30905	30908						
M145 D142							
30906							
M145 D142	M144 D140	[TMR	T047 T142	K=3			TEMPORIZZATORE PROGRAMMA UNITA D OFF UNIT D PROGRAM OFF TIMER
30906	30905						
M145 D142	M144 D140	[MOVR	FUN105 Od	M71H			RESET PROGR. N. UNITA D UNIT D PROGRAM NO RESET
30906	30905						

DRAWING NO. OF STANDARD: MACHINE NAME: CNC PRODUCTION TYPE GRINDER MODEL CO-63 DRAWN: 00/06/20 REVIEW: 05/10/21 PRINT OUT: 05/10/21



DRAWING NO. OF STANDARD: MACHINE NAME: CNC PRODUCTION TYPE GRINDER MODEL: CG-63 DRAWN: 00/06/20 REVIEW: 05/10/21 PRINT OUT: 05/10/21

LIVELLO A M FIN	
LEVEL A M FIN	

LIVELLO B M FIN
LEVEL B M FIN
LIVELLO C M FIN
LEVEL C M FIN

N2D390N	AVVIO ESEC.AUTOM. UNITA A	363	4D203	M FIN ATTORNO 4 (LIVELLO C)	566
N2D187N	USCITA DATI 59MEMORIA POS. DIAM. MOLA	348	1D203	LIVELLO C M FIN	535
N2D185N	USCITA DATI 59MEMORIA POS. PERNO DI CONTATO	348			
N2D186N	USCITA DATI 59MEMORIA POS. RULLO RAVV.	348			
4D201	M FIN ATTORNO 4 (LIVELLO A)	565			
6D201	M-FIN (LIVELLO A)	599			
7D201	M FIN (LIVELLO A)	637			
9D201	M-FIN (LIVELLO A)	711			
1D201	LIVELLO A M FIN	535			
T2D201	M-FIN T2 (LIVELLO A)	515			
4D202	M FIN ATTORNO 4 (LIVELLO B)	565			

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		CNC	N1
	DRAWING NO. 35-80777001		46/70
MANUFACTURER		MANUFACTURE'S NUMBER RC8077, RC8078	PAGE 312

PRINT OUT: 05/10/21

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FUNZ. TRASF.
UNITA B AVVIO N. 1
UNIT B START NO.1
FUNCTION TRANSFER

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FUNZIONE PC
PC-FUNCTION

INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

M717
D320

FUNZ. TRASF.
UNITA C AVVIO N. 128
UNIT C START NO. 128
FUNCTION TRANSFER

M716
D321

FUNZ. TRASF.
UNITA C AVVIO N. 64
UNIT C START NO. 64
FUNCTION TRANSFER

M715
D322

FUNZ. TRASF.
UNITA C AVVIO N. 32
UNIT C START NO. 32
FUNCTION TRANSFER

M714
D323

FUNZ. TRASF.
UNITA C AVVIO N. 16
UNIT C START NO. 16
FUNCTION TRANSFER

M713
D324

FUNZ. TRASF.
UNITA C AVVIO N. 8
UNIT C START NO. 8
FUNCTION TRANSFER

M712
D325

FUNZ. TRASF.
UNITA C AVVIO N. 4
UNIT C START NO. 4
FUNCTION TRANSFER

M711
D326

FUNZ. TRASF.
UNITA C AVVIO N. 2
UNIT C START NO. 2
FUNCTION TRANSFER

M710
D327

FUNZ. TRASF.
UNITA C AVVIO N. 1
UNIT C START NO. 1
FUNCTION TRANSFER

N1D320	N1D321	N1D322	N1D323	N1D324	N1D325	N1D326	N1D327				
	41204	41206	41208	41210	41212	41214	41216				

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		QC	N1
DRAWING NO.		52/70	
35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	318

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FUNZ. TRASF.
UNITA E AVVIO N. 1
UNIT E START NO. 1
FUNCTION TRANSFER

<i>TOYOTA M/C NUMBER</i>		<i>CONTENTS</i>		<i>DEVICE CODE</i>	
		ONC		N1	
		<i>DRAWING NO.</i> 35-80777001		54/70	
<i>MANUFACTURER</i>		<i>MANUFACTURE'S NUMBER</i>		<i>PAGE</i>	
		RC8077, RC8078		320	

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FUNZIONE PC
PC-FUNCTION

INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

M69F
D350

FUNZ. TRASF.
UNITA F AVVIO N. 128
UNIT F START NO. 128
FUNCTION TRANSFER

M69E
D351

FUNZ. TRASF.
UNITA F AVVIO N. 64
UNIT F START NO. 64
FUNCTION TRANSFER

M69D
D352

FUNZ. TRASF.
UNITA F AVVIO N. 32
UNIT F START NO. 32
FUNCTION TRANSFER

M69C
D353

FUNZ. TRASF.
UNITA F AVVIO N. 16
UNIT F START NO. 16
FUNCTION TRANSFER

M69B
D354

FUNZ. TRASF.
UNITA F AVVIO N. 8
UNIT F START NO. 8
FUNCTION TRANSFER

M69A
D355

FUNZ. TRASF.
UNITA F AVVIO N. 4
UNIT F START NO. 4
FUNCTION TRANSFER

M699
D356

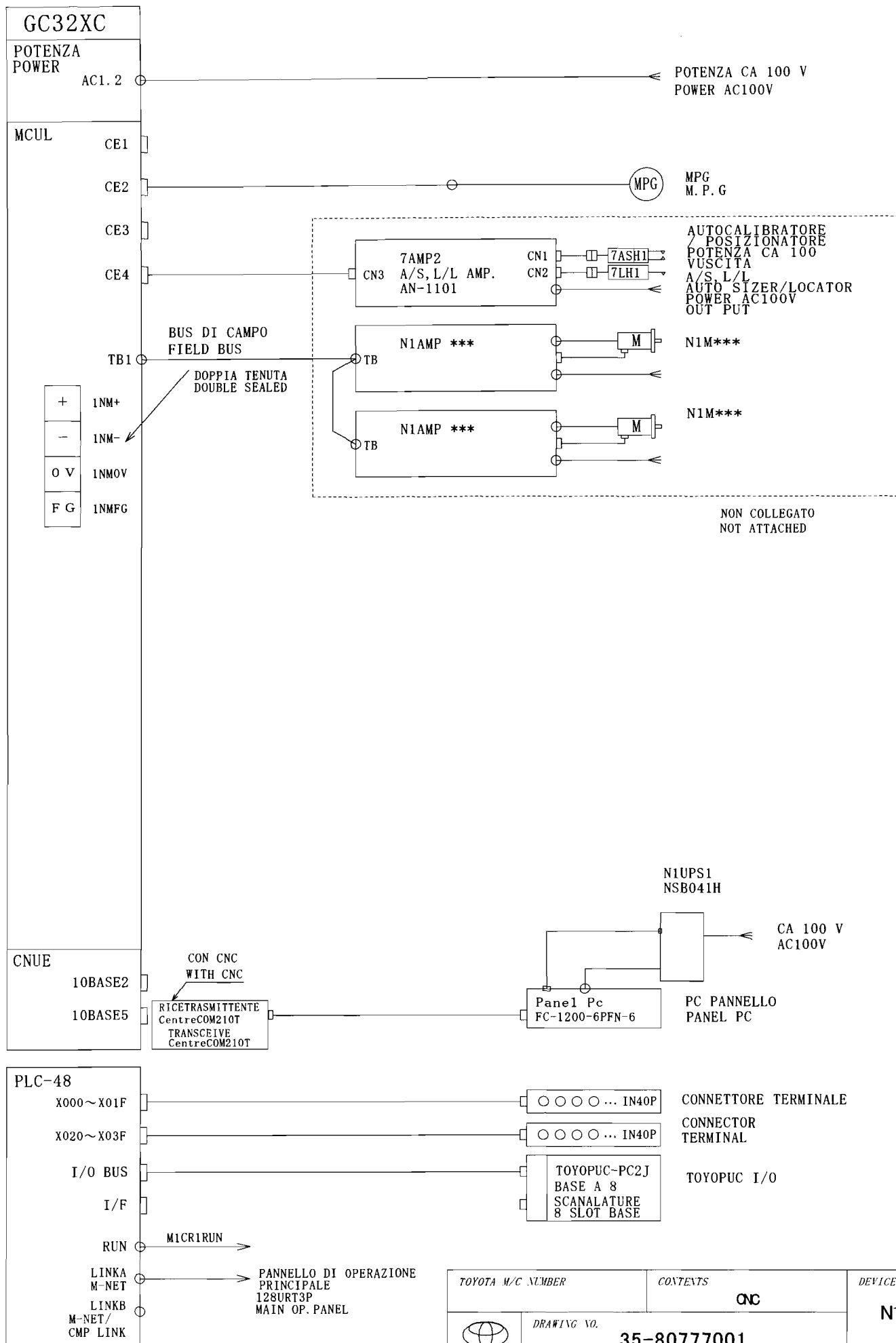
FUNZ. TRASF.
UNITA F AVVIO N. 2
UNIT F START NO. 2
FUNCTION TRANSFER

M698
D357

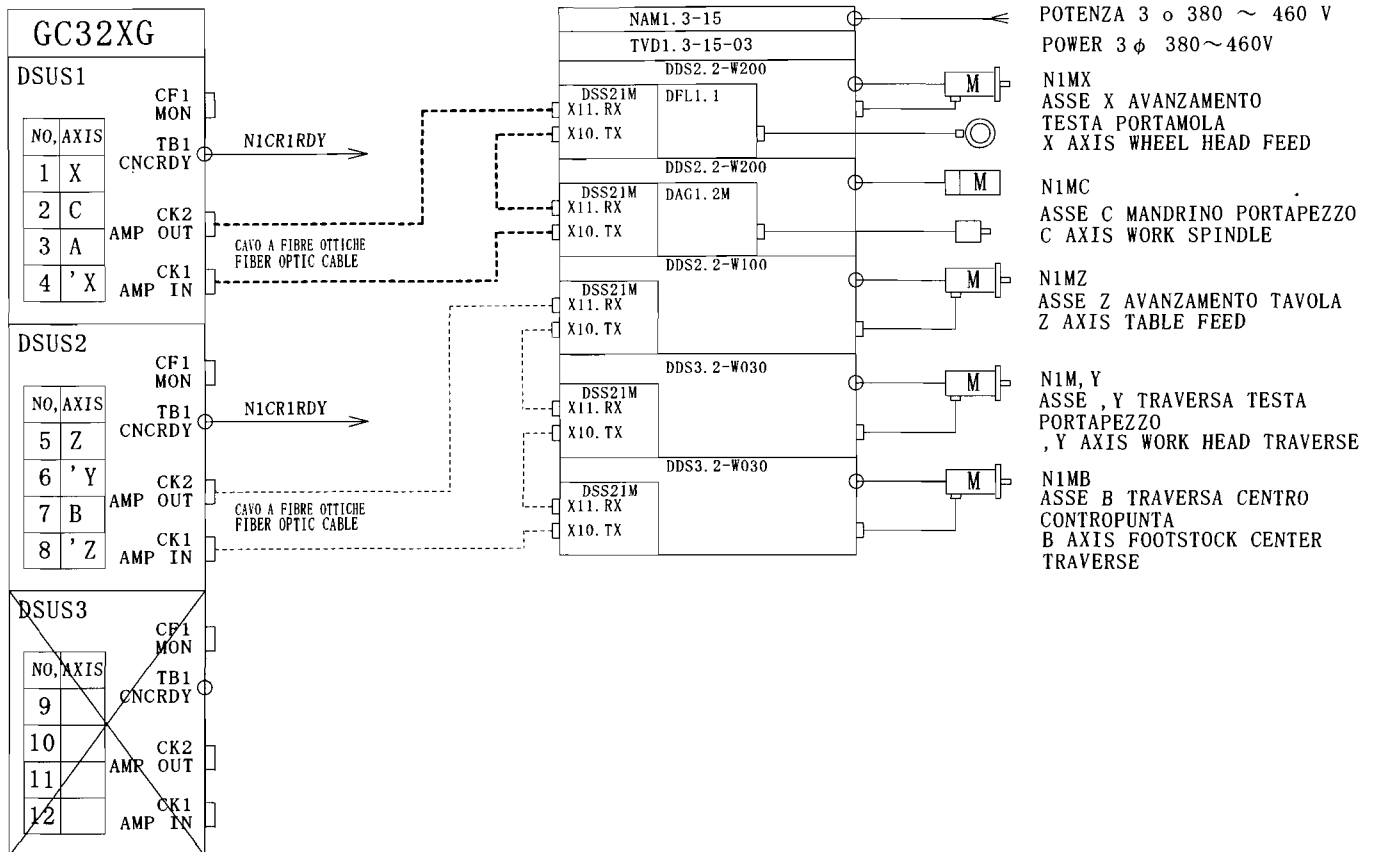
FUNZ. TRASF.
UNITA F AVVIO N. 1
UNIT F START NO. 1
FUNCTION TRANSFER

N1D350	N1D351	N1D352	N1D353	N1D354	N1D355	N1D356	N1D357												
	41504	41506	41508	41510	41512	41514	41516												

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		OHC		N1	
DRAWING NO.		35-80777001		55/70	
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		321	



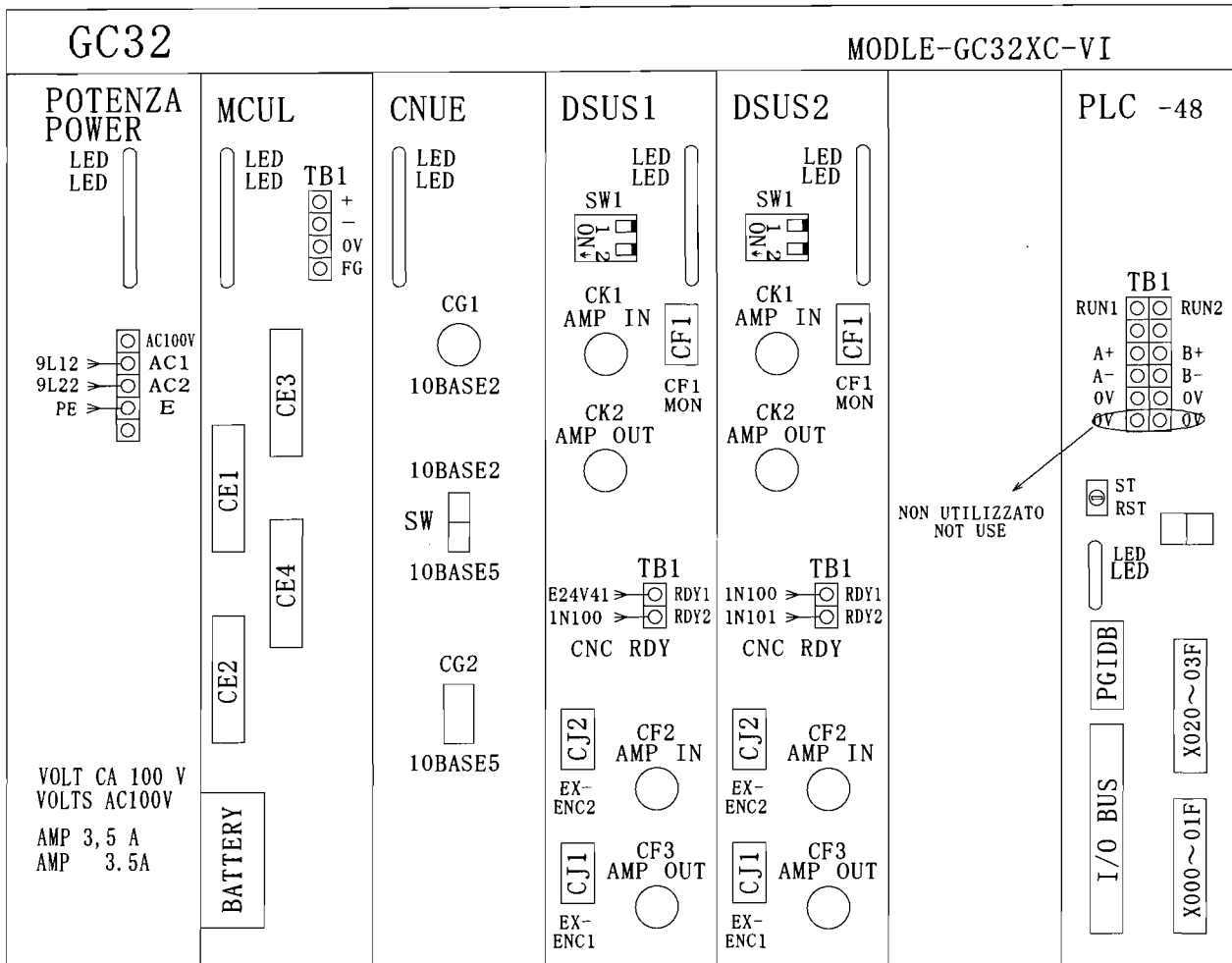
TOYOTA M/C NUMBER	CONTENTS CNC	DEVICE CODE N1
DRAWING NO. 35-80777001		56/70
MANUFACTURER	MANUFACTURE'S NUMBER RC8077, RC8078	PAGE 322



TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		ONC	N1
DRAWING NO.		35-80777001	57/70
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	323

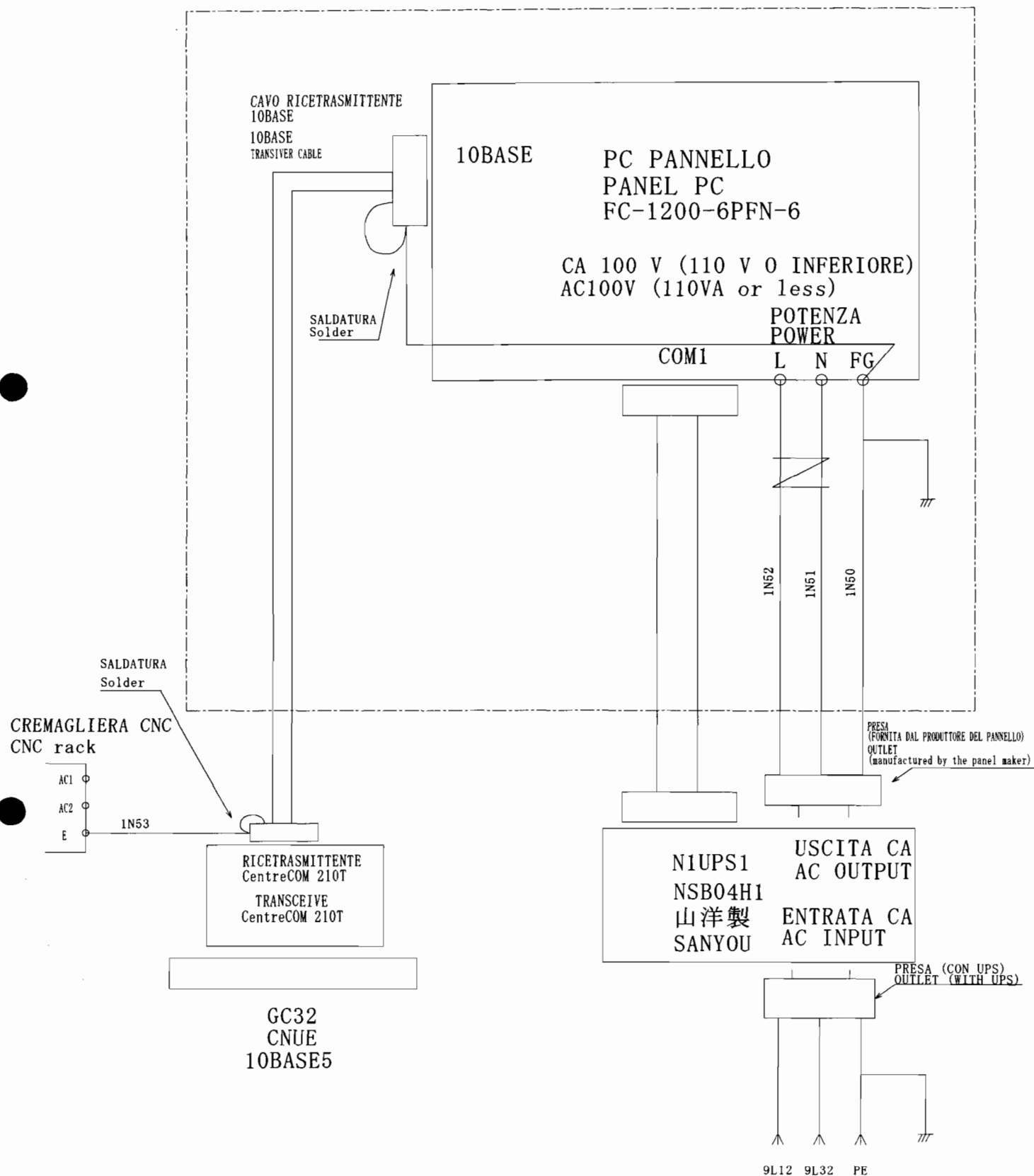
CREMAGLIERA CNC GC32

GC32 CNC RACK



TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		QC		N1	
DRAWING NO.		35-80777001		58/70	
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		324	

SCATOLA DI OPERAZIONE PRINCIPALE MAIN OPERATION BOX



TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		QC	N1
DRAWING NO.		35-80777001	59/70
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	325

POTENZA GC32

CA 100 V 3,5 A
50/60 Hz

172026-1 (AMP)
CNAC1

3	AC1M	5	E
2			
1	AC2M	4	

MOTORE VENTILATORE X 2
(CC SUN-ACE 25).
109E1212M401

COLLEGARE IL CAVO DEL VENTILATORE A CC
CONTATTO UNILATERALE CON CONNETTORE AMP

PE 9L12 9L22

CREMAGLIERA CNC

BLOCCO TERMINALI
DI POTENZA
M1130M-3A

BLOCCO TERMINALI DI POTENZA
(INSTALLATA SULLA SCHEMA DI
CIRCUITO STAMPATA)

AC1
AC2
E

TB1

1	P12VA
4	FALM1
5	FALM2
3	OVA

CNFAN

172026-1 (AMP)
CNFAN

3	OVA	5	FALM2
2			
1	P12VA	4	FALM1

CNAC1

ROSSO	
BLU	
GIALLO	
ROSSO	
BLU	
GIALLO	

3	AC1M
1	AC2M
5	E

ARMADIO DI COMANDO

SCHEMA ELETTRICA

CNAC2

3	AC1M
1	AC2M
5	E

CN5V

CN12V

172024-1 (AMP)
CN5V

6	5V	11	
5		10	0V
4	5V		
3		9	0V
2	5V	8	
1		7	0V

2	7	4	9	6	10
5V	0V	5V	0V	5V	0V
+5V	0V	+5V	0V	+5V	0V
+V	-V	+V	-V	+V	-V

ALIMENTAZIONE
CORRENTE
CONTINUA

K150A-5-XTTK
(5V:30A)

AC FG

172026-1 (AMP)
CN12V

3		5	P12V
2	0V		
1		4	N12V

5	2	4	
+12V	0V	-12V	
V1	G1	V2	G2

ALIMENTAZIONE
CORRENTE
CONTINUA

MMB50U-4
(±12V:21A)

AC FG

172026-1 (AMP)
CNAC2

3	AC1M	5	E
2			
1	AC2M	4	

ATTENZIONE

1. MISURA S E COLORE CAVO ELETTRICO

CC 100 V 1,2SQ ROSSO

DC { 5 V 3,5SQ BLU

0 V 3,5 SQ NERO

DC { 12 V 2,0SQ GIALLO

0 V 2,0 SQ NERO

FG, E 2,0 SQ VERDE

CAVO S MOTORE VENTILATORE

+ 12 V:0M5 SQ ROSSO

0V : 0,5 SQ BLU

ALM: 0,5SQ GIALLO

2. CAVO ELETTRICO BIPOLARE

{ 100 V CA -

5 V, 0 V

+12V, 0 V, - 12 V

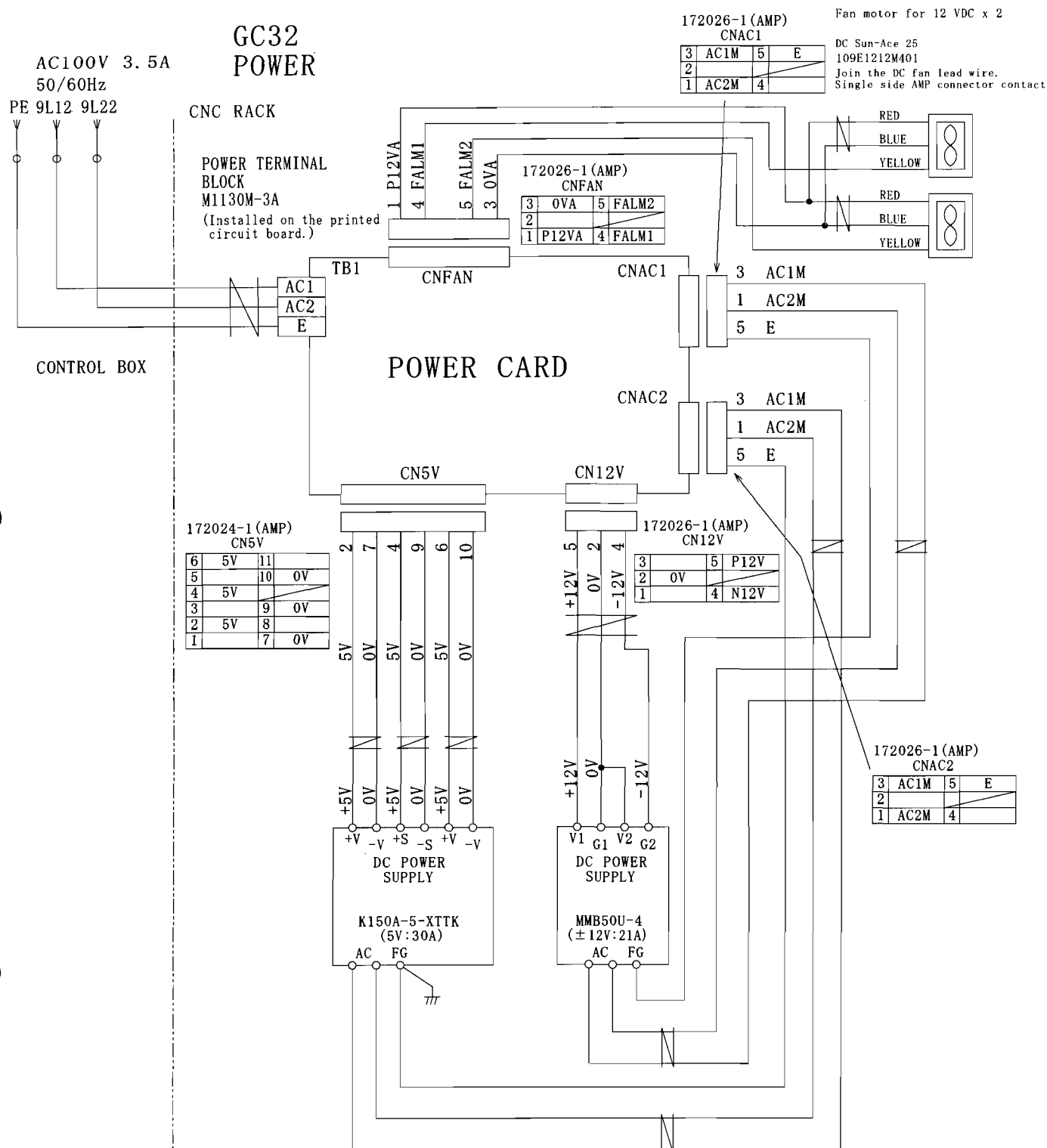
I SEGNI INDICANO CAVO ELETTRICO BIPOLARE

3. CA 100 VSEPARARE CAVO 100 V CA E CAVO CC

4. AMP

IL CONTATTORE CON CONNETTORE AMP E DEL TIPO 170189-1

TOYOTA M/C NUMBER	CONTENTS	DEVICE CODE
	NC	N1
DRAWING NO.	35-80777001	60/70
MANUFACTURER	MANUFACTURE'S NUMBER	PAGE
	RC8077, RC8078	326



CAUTION

1. ELECTRIC WIRE SIZE & COLOR

AC100V 1.2SQ RED
DC { 5V 3.5SQ BLUE
0V 3.5SQ BLACK
DC { 12V 2.0SQ YELLOW } FAN MOTOR'S WIRE
0V 2.0SQ BLACK } +12V:0.5SQ RED
FG, E 2.0SQ GREEN 0V:0.5SQ BLUE
ALM:0.5SQ YELLOW

2. TWIST

{ 100VAC
5V, 0V
+12V, 0V, -12V

≡ MARKS MEAN TWIST PAIR

3. SEPARATE 100VAC WIRE & DC WIRE

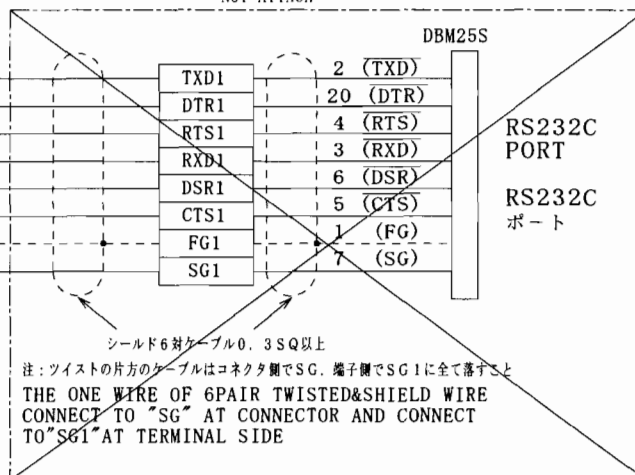
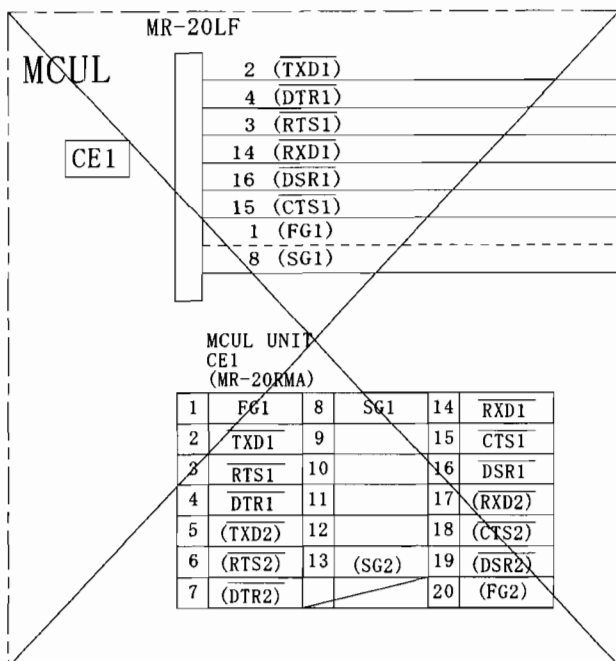
4. CONTACTOR IN AMP CONNECTOR IS TYPE 170189-1

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		QC	N1
DRAWING NO.		35-80777001	61/70
MANUFACTURER	MANUFACTURE'S NUMBER	PAGE	
	RC8077, RC8078	327	

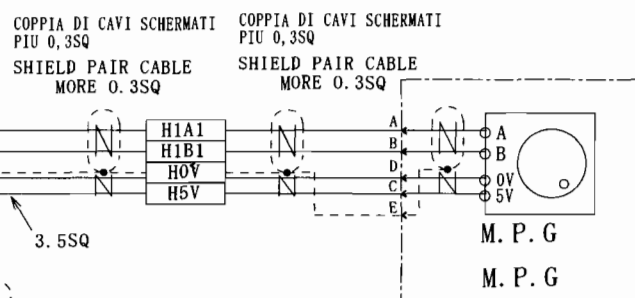
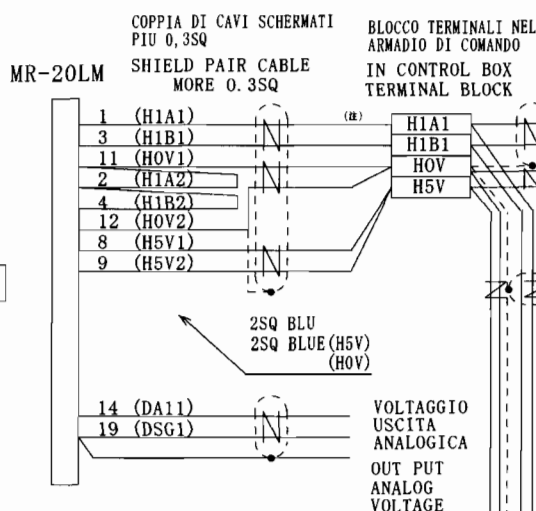
GC32
MCUL

SCATOLA DI OPERAZIONE PRINCIPALE
MAIN OPERATION BOX

NON COLLEGATO
NOT ATTACH



MCUL

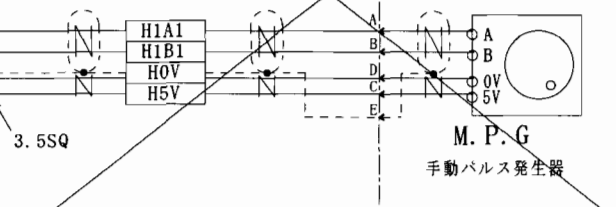


SUB OPERATION BOX

副操作盤

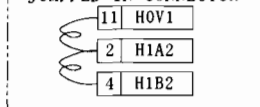
SHIELD PAIR CABLE
MORE 0.3SQ
シールド付ツイストケーブル
0.3SQ以上

SHIELD PAIR CABLE
MORE 0.3SQ
シールド付ツイストケーブル
0.3SQ以上



NON COLLEGATO
NOT ATTACHED

ANDARE IN CORTO-CIRCUITO
IN CONNETTORE.
JUMPPED IN CONNECTOR



TOYOTA M/C NUMBER	CONTENTS	DEVICE CODE
	QC	N1
DRAWING NO.	35-80777001	62/70
MANUFACTURER	MANUFACTURE'S NUMBER	PAGE
	RC8077, RC8078	328

GC32
PLC

MAIN OPERATION BOX

主操作盤

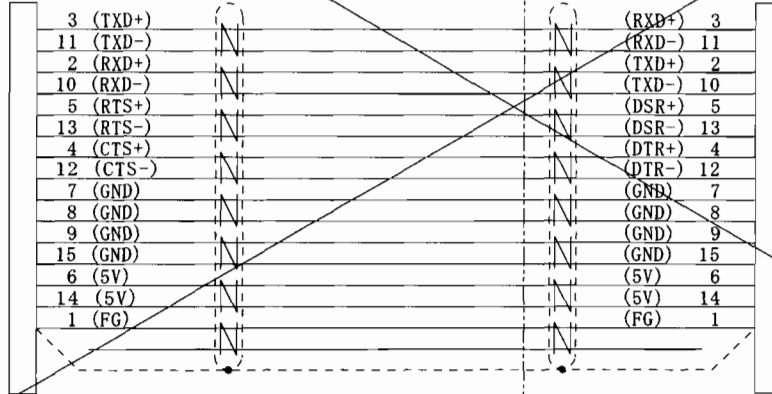
DA-15P-N(PLUG)
DA-C1-J10-S3(SHELL)

THE ONE WIRE OF SPAIR
SHIELD PAIR CABLE
MORE 0.3SQ
シールド8対ケーブル
0.3SQ以上

DA-15S-N(PLUG)
DA-C3-J10(SHELL)
D11278x2(LOCK)

PLC

PGIDB



TO RS232C/422
COMMUNICATION
ADAPTER
TXA-2947

RS232C/422通信アダプタへ
TXA-2947

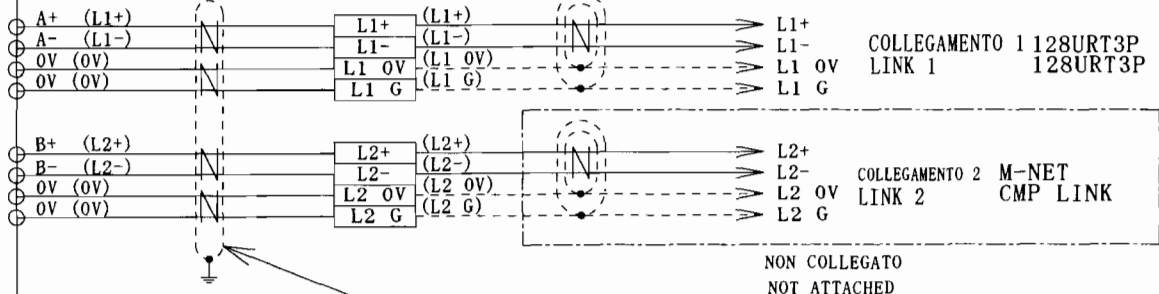
PLC
PLC

BLOCCO TERMINALI NEL
ARMADIO DI COMANDO
IN CONTROL BOX
TERMINAL BLOCK

RUN1 (RUN1) → E24V31 → E24V31 ESEGUI PLC
RUN2 (RUN2) → IM200 → IM200 PLC RUN

COPPIA DI CAVI SCHERMATI
(LUNGHEZZA MAX CAVI 2 M)
SHIELD PAIR CABLE
(Max. cable length 2m)

BLOCCO TERMINALI NEL
ARMADIO DI COMANDO
IN CONTROL BOX
TERMINAL BLOCK

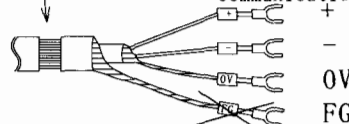


LINK

MORSETTO CAVO. INSTALLARE
L'ELEMENTO NEL MEZZO DEL CAVO
Cable clamp
Install fitting in the
middle of wiring.

BLOCCO TERMINALE PER ESEGUI
Terminal block for RUN

BLOCCO TERMINALE
PER COMUNICAZIONE
Terminal block for
communication



NON COLLEGARE IL CAVO FG. COLLEGARE
FG AL MORSETTO DEL CAVO.
Do not connect FG cable.
Connect FG at the cable clamp.

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		CNC	N1
DRAWING NO.		35-80777001	63/70
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	329

N1AMPC, X1
CAVO BUS
BUS CABLE

N1AMPC, X5
BARRE BUS CC
DC BUS BARS

N1AMPC
DSS2. 1M, X11
CAVO A FIBRE
OTTICHE
FIBER OPTIC
CABLE

CNC
DSUS1 CK2
CAVO A FIBRE
OTTICHE
FIBER OPTIC
CABLE

N1PSM1
X3
DC24V

INTERFACCIA RS232C
NON UTILIZZATA
RS232C
INTERFACE
NOT USE

USCITE
ANALOGICHE
NON UTILIZZATA
ANALOG
OUTPUTS
NOT USE

PRONTO
READY

AVVIAMENTO
INIBITO
START
INHIBIT

NON UTILIZZATA
NOT USE

N1PSM1
MODULO
ALIMENTAZIONE
CORRENTE
POWER SUPPLY
MODULE

N1PSM1, X1
CAVO BUS
BUS CABLE

N1AMPX

SERVOCOMANDO
SERVO DRIVE
DDS2. 2-W200
-BE32-01-FW

AVANZAMENTO
TESTA PORTAMOLA
WHEEL HEAD FEED

N. PEZZO, 241 672
PART NO, 241 672

SERVOMOTORE
SERVO MOTOR
MDD115D-F-015
-N2M-130GA0

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		QNC	N1
DRAWING NO.		35-80777001	66/70
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	332

N1AMPZ, X1
CAVO BUS
BUS CABLE

N1AMPZ, X5
BARRE BUS CC
DC BUS BARS

CNC
DSUS1 CK1
CAVO A FIBRE
OTTICHE
FIBER OPTIC
CABLE

N1AMPX
DDS2. 1M, X10
CAVO A FIBRE
OTTICHE
FIBER OPTIC
CABLE

N1AMPX
DDS2. 1M
X12
DC24V

INTERFACCIA RS232C
NON UTILIZZATA
RS232C
INTERFACE
NOT USE

USCITE
ANALOGICHE
NON UTILIZZATA
ANALOG
OUTPUTS
NOT USE

PRONTO
READY

AVVIAMENTO
INIBITO
START
LNHIBIT

NON UTILIZZATA
NOT USE

N1PSM1
MODULO
ALIMENTAZIONE
CORRENTE
POWER SUPPLY
MODULE

N1AMPX, X1
CAVO BUS
BUS CABLE

N1AMPC SERVOCOMANDO SERVO DRIVE DDS2. 2-W200 -BE45-01-FW

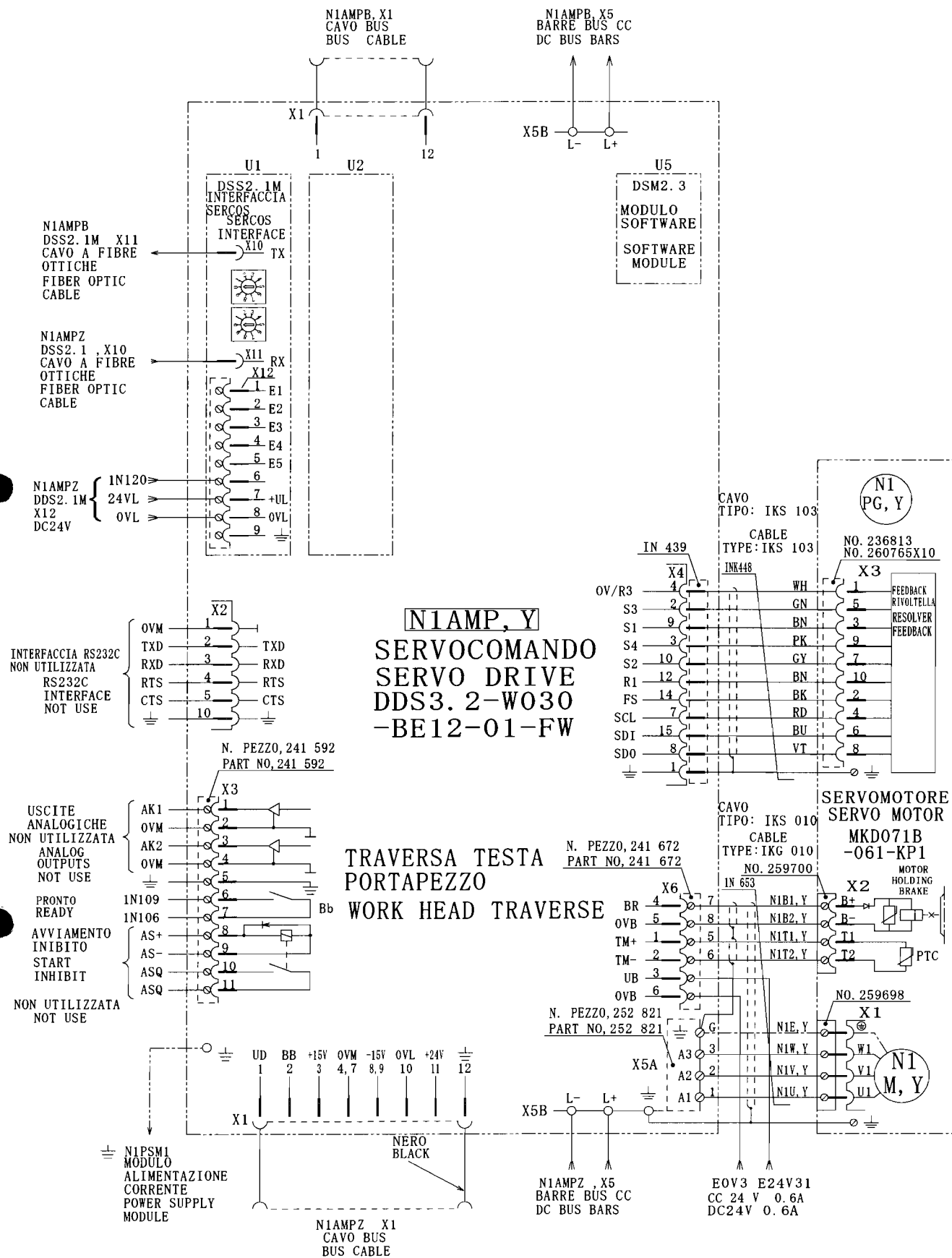
MANDRINO PORTAPEZZO
WORK SPINDLE

CAVO
TIPO: IKS 159
CABLE
TYPE: IKG 159

SERVOMOTORE
SERVO MOTOR
1MB160N
-4B-A1

N1
MC

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		NC		N1	
DRAWING NO.		35-80777001		67/70	
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		333	



TOYOTA M/C NUMBER	CONTENTS	DEVICE CODE
	ENC	N1
DRAWING NO.	35-80777001	69/70
MANUFACTURER	MANUFACTURE'S NUMBER	PAGE
	RC8077, RC8078	335

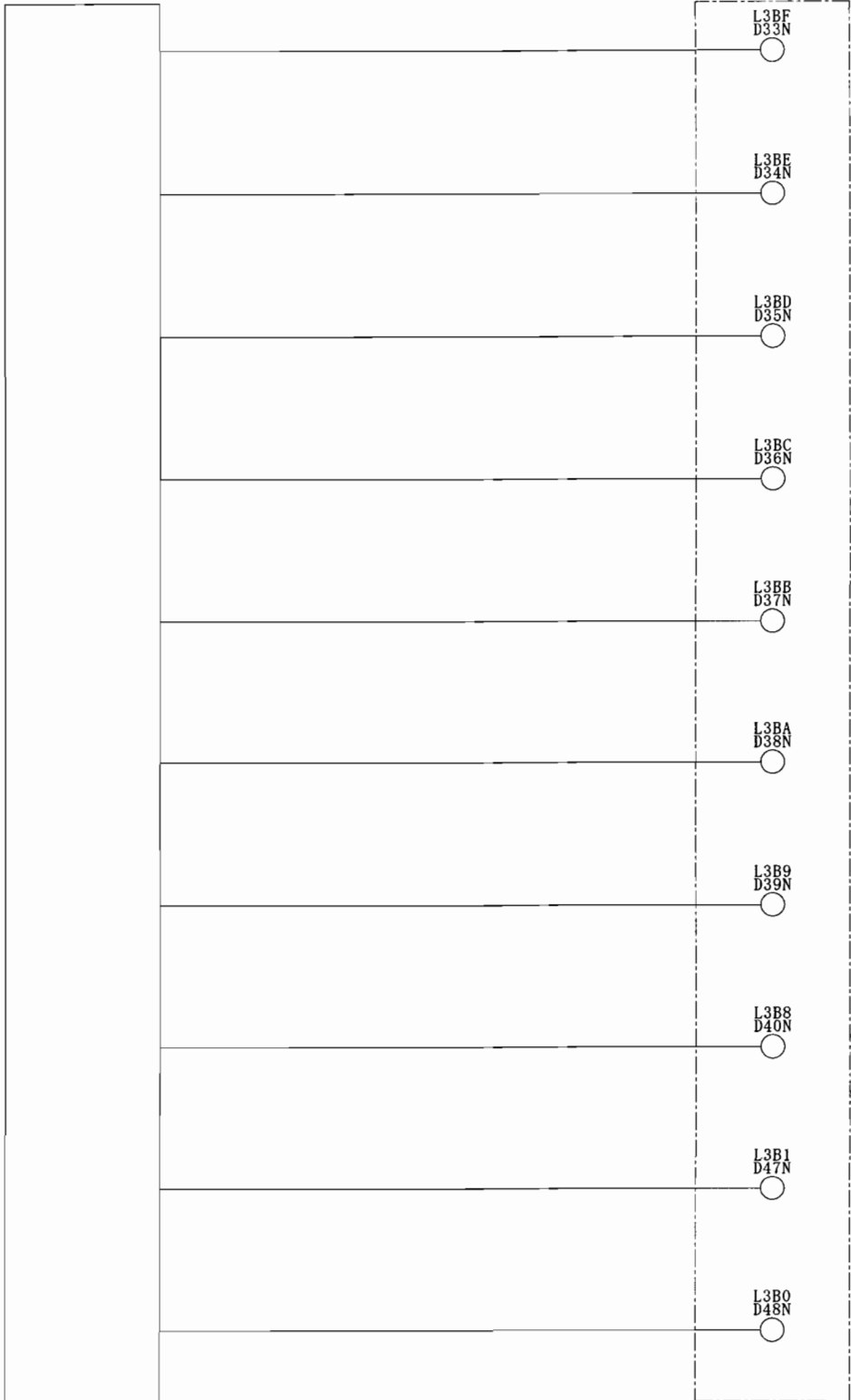
ALLARME BATTERIA
BATTERY ALARM

TOYOTA W/C NUMBER						CONTENTS ONO-TOYOPLUC		DEVICE CODE N2	
		DRAWING NO. 35-80777001				PAGE 337			
MANUFACTURER						MANUFACTURE'S NUMBER RC8077, RC8078			

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CNC
CNC

INDIRIZZO DESTINAZIONE
APPOINT ADDRESS



ESEC. SCANSIONE
MACRO 1
CARRING OUT SCANNING
MACRO 1

ESEC. SCANSIONE
MACRO 2
CARRING OUT SCANNING
MACRO 2

ESEC. SCANSIONE
MACRO 3
CARRING OUT SCANNING
MACRO 3

VELOCITA
MANDRINO PORTAM.
WHEEL SP.
SPEED

ARRIV. VELOCITA
MANDRINO PORTAPM.
WHEEL SP.
SPEED ARRIVAL

AVVIO MDI
MDI STARTING

ARRESTO
ESEC. MDI
MDI RUN
STOPPING

MDI IN CORSO
MDI RUNNING

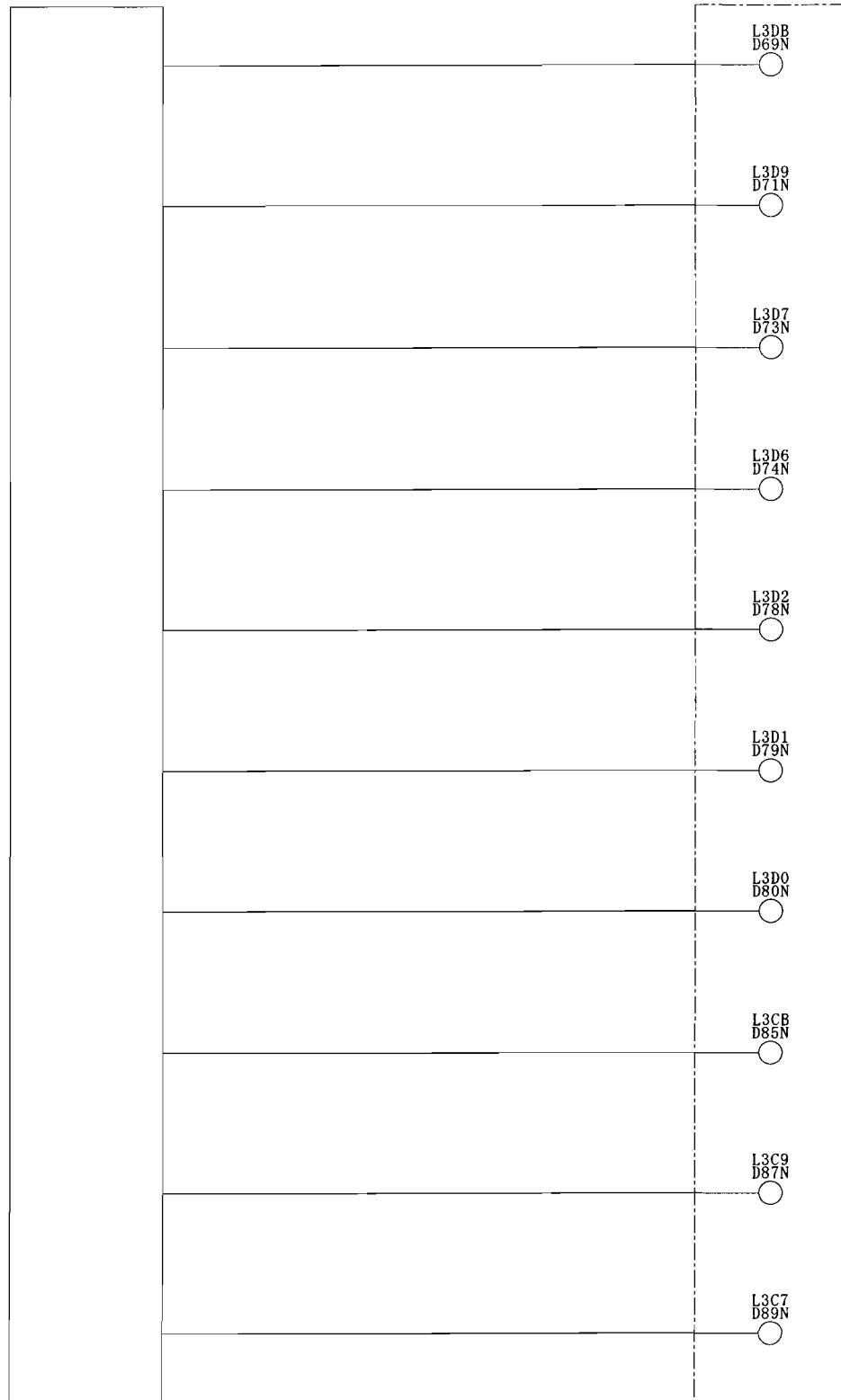
VELOCITA
MANDRINO PORTAP. 0
WORK SP.
SPEED 0

ARR. VELOCITA
MANDRINO PORTAP.
WORK SP.
SPEED ARRIVAL

N2D33N	N2D34N	N2D35N	N2D36N	N2D37N	N2D38N	N2D39N	N2D40N	N2D47N	N2D48N		
		15203 15208 15210			15001 15002 15003 15105 15109		15001 15107 28903	52602 53006 53007 53203 54509 56105 56507			

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		CNC-TOYOCUC		N2	
DRAWING NO.		35-80777001		3/46	
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		339	

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SOVRACORSA+(X)	OT+(X)
SOVRACORSA+(Z)	OT+(Z)
SOVRACORSA+(B)	OT+(B)
SOBRACORSA+(C)	OT+(C)
SOVRACORSA+(, X)	OT+(, X)
SOVRACORSA+(Y)	OT+(Y)
SOVRACORSA+(, Z)	OT+(, Z)
SOVRACORSA-(X)	OT-(X)
SOVRACORSA-(Z)	OT-(Z)
SOVRACORSA-(B)	OT-(B)

[illegible]

<i>TOYOTA W/C NUMBER</i>		<i>CONTENTS</i> CNO-TOYOPLUC	<i>DEVICE CODE</i> N2
	<i>DRAWING NO.</i> 35-80777001		4/46
<i>MANUFACTURER</i>	<i>MANUFACTURE'S NUMBER</i> RC8077, RC8078		
		<i>PAGE</i> 340	

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CNC
CNC

INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

L41A
D134N

L419
D135N

L418
D136N

L417
D137N

L416
D138N

L415
D139N

L414
D140N

USCITA DATI 6
TRAV. LUNETTA IN CORSO
DATA OUTPUT 6
REST TRAVERSE INPRO.

USCITA DATI 7
LOCALIZZAZIONE
DATA OUTPUT 7
LOCATING

USCITA DATI 8
INDIC. TAVOLA
DATA OUTPUT 8
TABLE INDEXING

USCITA DATI 9
DATA OUTPUT 9

USCITA DATI 10
CAMBIO ROTAZ. RULLO DIAM.
DATA OUTPUT 10
DIAMOND ROLL ROTATION CHANGE

USCITA DATI 11
PREV SOST. PERNO CONT. (U)
DATA OUTPUT 11
CONTACT PIN CHANGE FORECAST (U)

USCITA DATI 12
PERNO CONTATTO MIN. (U)
DATA OUTPUT
12 CONTACT PIN MINIMUM (U)

N2D134	N2D135	N2D136	N2D137	N2D138	N2D139	N2D140								
N	N	N	N	N	N	N								
		11711 59901		70908 70102										

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		CNC-TOYOCUC	N2
DRAWING NO.		7/46	
35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	343

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POINT ADDRESS	POINT ADDRESS
	L413 D141N
	L412 D142N
	L411 D143N
	L410 D144N
	L40F D145N
	L40E D146N
	L40D D147N
	L40C D148N
	L40B D149N
	L40A D150N

USCITA DATI 22
RULLO DIAM. MIN.
DATA OUTPUT 22
DIAMOND ROLL MINIMUM

[illegible][illegible]

USCITA DATI 32
CICLO RETTIFICA
DATA OUTPUT 32
GRINDING CYCLE

TOYOTA W/C NUMBER		CONTENTS	DEVICE CODE
		ONG-TOYOFUC	N2 9/46
	DRAWING NO. 35-80777001		
MANUFACTURER		MANUFACTURE'S NUMBER RC8077, RC8078	PAGE 345

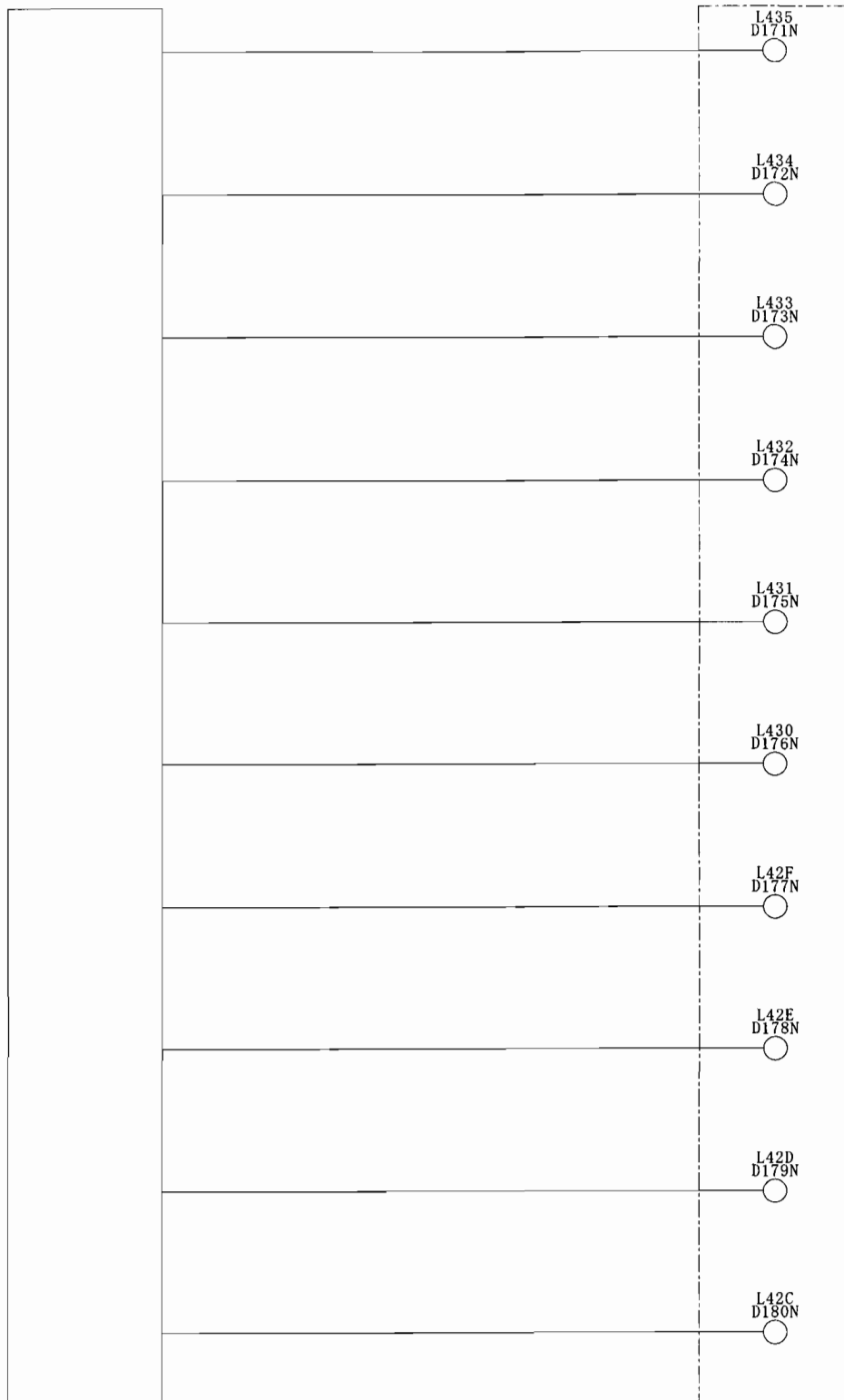
USCITA DATI
42
DATA OUTPUT
42

[illegible]

APPOINT ADDRESS

CNC
CNC

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USCITA DATI 43
REFR. CARIC. OFF
DATA OUTPUT 43
LOAD COOLANT OFF

```

USCITA DATI 44
SOFFIATA ARIA
DATA OUTPUT 44
AIR BROW

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USCITA DATI 45
REFRIG. ALTA PRESSIONE ON
DATA OUTPUT 45
HIGH PRESSURE COOLANT ON

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USCITA DATI 46 REFRIG.
ALTA PRESSIONE ON (GREZZA)
DATA OUTPUT 46
HIGH PRESSURE COOLANT ON (ROUGH)

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USCITA DATI 47
REGOLAZ. REFRIG.
DATA OUTPUT 47
COOLANT ADJUST

```

USCITA DATI 48
REFRIG. ON
DATA OUTPUT 48
COOLANT ON

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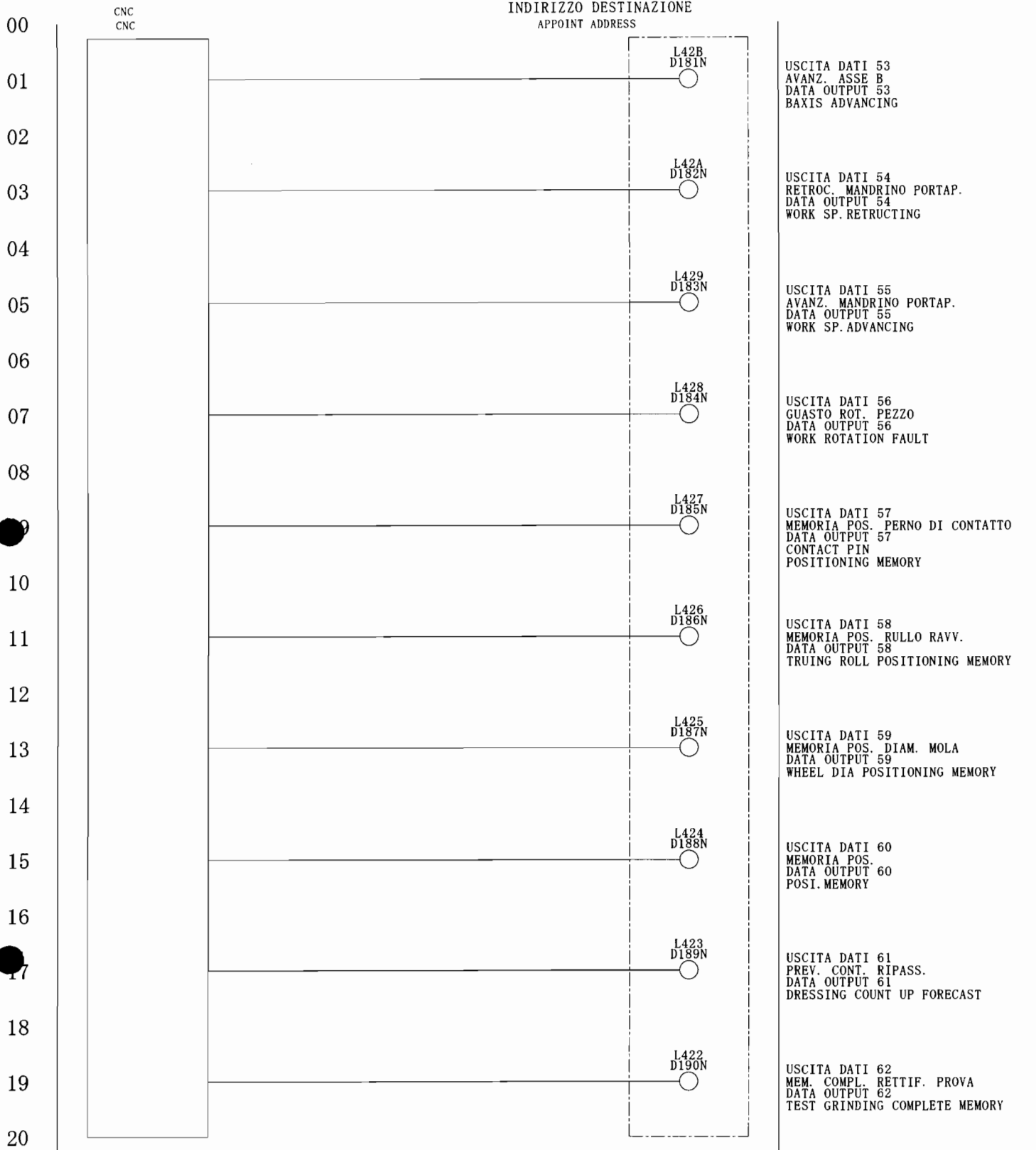
USCITA DATI
49
DATA OUTPUT
49

USCITA DATI
50
DATA OUTPUT
50

USCITA DATI 51
CICLO CONTR. PERNO
DATA OUTPUT 51
PIN CHECK CYCLE

USCITA DATI 52
RETROC. ASSE B
DATA OUTPUT 52
BAXIS RETRUCTING

[illegible][illegible]



N2D181	N2D182	N2D183	N2D184	N2D185	N2D186	N2D187	N2D188	N2D189	N2D190		
N	N	N	N	N	N	N	N	N	N		
52307	56107	55907	54101	30002	30401	29602	29604	53213	53006		
52806		56303		30502	30503	30501	30005				
52809				31207	31208	31206	30404				
53009							30501				
53312											

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		CNO-TOYOCUC	N2
DRAWING NO.		12/46	
35-80777001			
MANUFACTURER	MANUFACTURE'S NUMBER	PAGE	
	RC8077, RC8078	348	

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USCITA DATI 72
SCANSIONE MACRO(LIV. D)
DATA OUTPUT 72
SCANNING MACRO(LEVEL D)

```

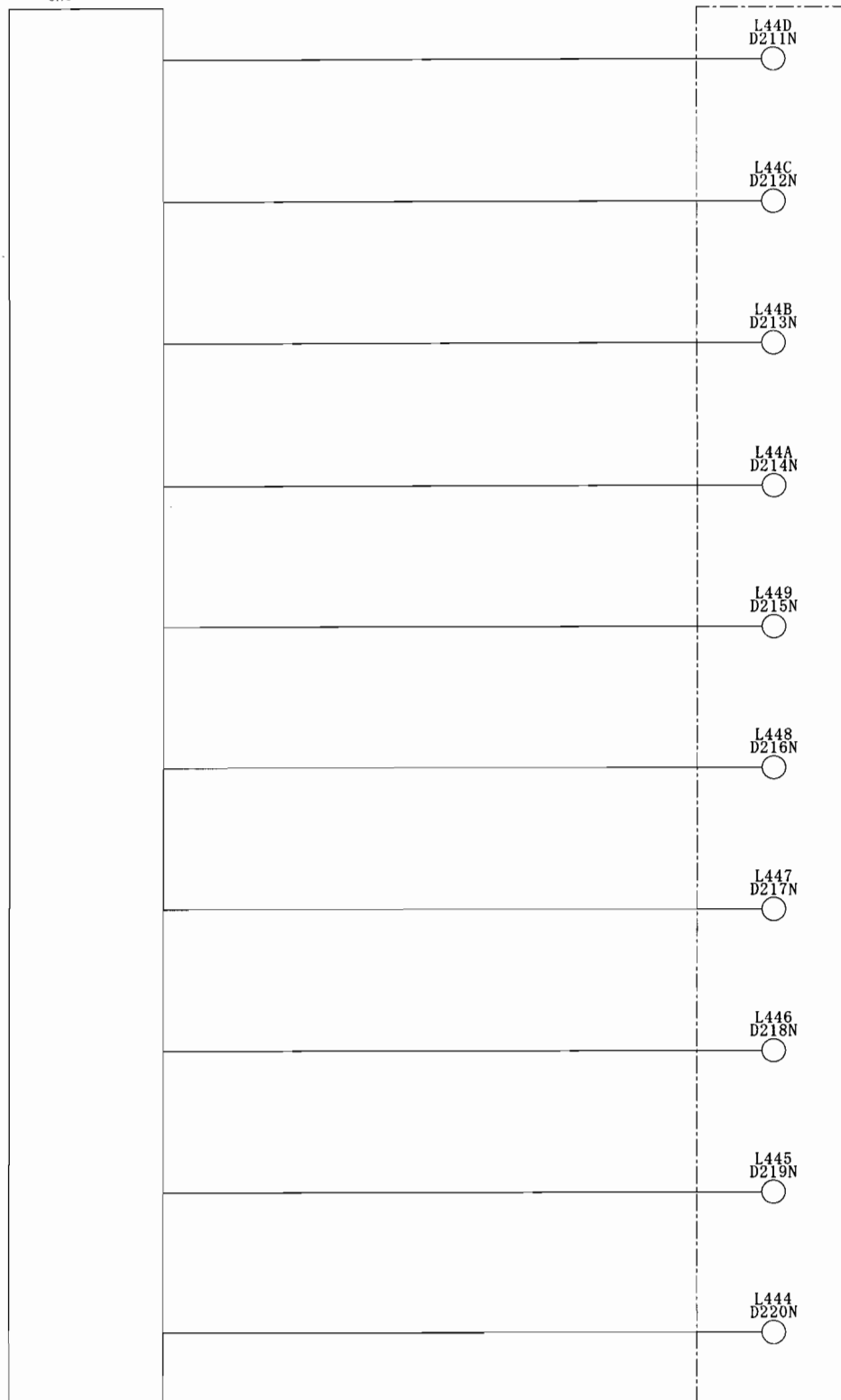
TOYOTA M/C NUMBER		CONTENTS CNO-TOYOPLUC		DEVICE CODE N2	
	DRAWING NO. 35-80777001			13/4	
MANUFACTURER		MANUFACTURE'S NUMBER RC8077, RC8078		PAGE 349	

PRINT OUT: 05/10/21

APPOINT ADDRESS

CNC
CNC

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USCITA DATI
83
DATA OUTPUT
83

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USCITA DATI 84
TEMPO UTENTE
DATA OUTPUT 84
YOUUSER TIME

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USCITA DATI 85
PRESS. MANOPOLA
DATA OUTPUT 85
HANDLE SQUEEZIEN

USCITA DATI 86
PRESS. MANOPOLA (NON IN USO)
DATA OUTPUT 86
HANDLE SQUEEZEIN(NO USE)

USCITA DATI 87
CALCOLO DATI PROFILO
DATA OUTPUT 87
PROFILE DATA CALCULATING

USCITA DATI 88
 LIMITE CORRENTE ON
 DATA OUTPUT 88
 CURRENT LIMIT ON

USCITA DATI
89
DATA OUTPUT
89

USCITA DATI
90
DATA OUTPUT
90

USCITA DATI	91
DATA OUTPUT	91

USCITA DATI
92
DATA OUTPUT
92

[illegible]

<i>TOYOTA M/C NUMBER</i>		<i>CONTENTS</i> ONC-TOYOFLUC	<i>DEVICE CODE</i> N2
	<i>DRAWING NO.</i> 35-80777001	15/4	
<i>MANUFACTURER</i>		<i>MANUFACTURE'S NUMBER</i> RC8077, RC8078	<i>PAGE</i> 351

PRINT OUT: 05/10/21

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USCITA DATI 122
FEND. TIPO ROTAZ. PEZZO
DATA OUTPUT 122
WORK ROTATE TYPE SLIT

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<i>TOYOTA M/C NUMBER</i>		<i>CONTENTS</i> CNO-TOYOFLUC	<i>DEVICE CODE</i> N2
	<i>DRAWING NO.</i> 35-80777001	18/4	
<i>MANUFACTURER</i>		<i>MANUFACTURE'S NUMBER</i> RC8077, RC8078	<i>PAGE</i> 354

POS.	PART.
ASSE	C PSW
PSW	C AXIS
HOME	POSI.

[illegible]

POS. CARICO
ASSE Z PSW
PSW Z AXIS
LOADING POSI.

TOYOTA M/C NUMBER				CONTENTS				DEVICE CODE	
				OHO-TOYOPLUC				N2	
	DRAWING NO.			35-80777001				21 / 4	
MANUFACTURER				MANUFACTURE'S NUMBER				PAGE	
				RC8077, RC8078				357	

POS.	PART.
ASSE	X PSW
PSW	X AXIS
HOME	POSI.

[illegible]

PRINT OUT: 05/10/21

20

INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

L4F8
D360N

CALIBR. AUTOM.
SELEZ. INTERVALLO 1
AUTO SIZER
RANGE SELECT 1

<i>TOYOTA M/C NUMBER</i>		<i>CONTENTS</i> CNO-TOYCEUC	<i>DEVICE CODE</i> N2
	<i>DRAWING NO.</i> 35-80777001	<i>PAGE</i> 24 / 40 360	
<i>MANUFACTURER</i>		<i>MANUFACTURE'S NUMBER</i> RC8077, RC8078	

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UNITA' CNC
UNIT CNC

INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

L51F
D385N

DISTRIBUZIONE UNITA A
COMPLETATA
COMPLETE
A UNIT DISTRIBUTION

L51A
D390N

AVVIO ESEC.
AUTOM. UNITA A
A UNIT AUTO
RUN STARTING

L519
D391N

MANT. ALIM. ESEC.
AUTOM.
A UNIT AUTO
RUN FEED HOLD

L518
D392N

ESECUZ. AUTOM.
UNITA A
A UNIT AUTO
RUNNING

L517
D393N

MF
MF

N2D385 N	N2D390 N	N2D390 N	N2D390 N	N2D390 N	N2D390 N	N2D390 N	N2D390 N	N2D390 N	N2D391 N	N2D392 N	N2D392 N	N2D392 N
12201	10904	14902	29311	58809	62602	67309	69413	12201	29108	30305		
27306	11002	15408	29314	58910	62903	68204	69606	14110	29308	30308		
28807	12201	15502	31205	59005	63002	68712	69703	14306	29505	58606		
	14105	18807	52307	59109	66304	68715	69709	14506	29508	58806		
	14112	18813	53906	59205	66309	68806	70803	14808	29705	59002		
	14304	28801	54002	59309	66507	69004	70807	15004	29708	59202		
	14308	28804	54101	59405	66602	69007	71004	15410	29905	59402		
	14504	28807	58604	59509	66904	69014	71007	18809	29908	59602		
	14508	28904	58609	59605	66909	69404	71014	28804	30105	62509		
	14806	29304	58804	62507	67304	69407		29105	30108	62905		
N2D392 N	N2D392 N	N2D393 N										
63808	71010	36706										
66306	71401	36709										
66510	71405											
66906												
67306												
68803												
69010												
69410												
69706												
70805												

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		CNC-TOYCPUC		N2	
		DRAWING NO.		27/46	
		35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		363	

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UNITA' CNC
UNIT CNC

INDIRIZZO DESTINAZIONE
APPOINT ADDRESS



L59F
D513N

DISTRIBUZIONE UNITA C
COMPLETATA
COMPLETE
C UNIT DISTRIBUTION

L59A
D518N

AVVIO ESEC. AUTOM.
UNITA C
C UNIT AUTO
RUN STARTING

L599
D519N

MANT. ALIM. ESEC.
AUTOM. UNITA C
C UNIT AUTO
RUN FEED HOLD

L598
D520N

ESEC. AUTOM.
UNITA C
C UNIT AUTO
RUNNING

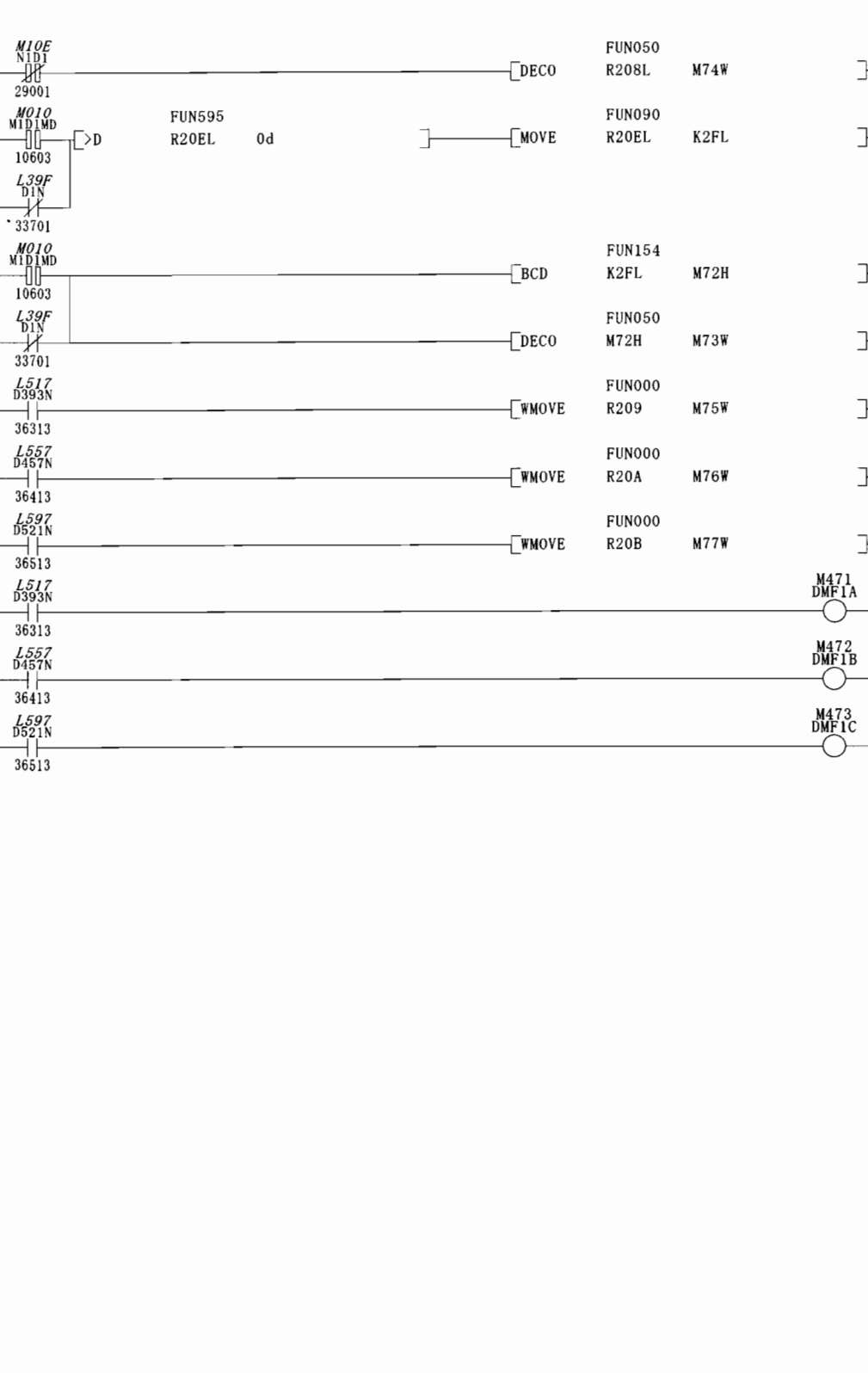
L597
D521N

MF
MF

N2D513	N2D518	N2D518	N2D518	N2D519	N2D520	N2D521				
N	N	N	N	N	N	N				
27906	10904	53905	56209		15004	36708				
28902	28803	54001	59709		28806	36711				
	28806	54007	59804		53107					
	28902	55303	68208		53302					
	28908	55308			55305					
	52306	55604			55608					
	53104	55611			56006					
	53109	56003			56206					
	53215	56009			59802					
	53305	56203								

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		CNC-TOY/CNC		N2	
		DRAWING NO.		29/46	
		35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		365	

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PAGINA N. 0~7
PER INT. LAMP.
PAGE NO. 0~7
FOR LAMP. SW
IMPOSTAZ. PEZZO N.
SELEZ.
SELECTED
WORK NO. SET

SELEZ. PARTE N. BCD
PART SELECT NO. BCD
SELEZ. PARTE N. BCD
PART SELECT NO. BCD

CODICE M UNITA A
A UNIT M CODE

CODICE M UNITA B
B UNIT M CODE

CODICE M UNITA C
C UNIT M CODE

MF UNITA A
A UNIT MF

MF UNITA B
B UNIT MF

MF UNITA C
C UNIT MF

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FUNZIONE PC
PC-FUNCTIO

N2FD3
CECO

M72H
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M73W

INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

M730
D30X

PEZZO SELEZIONATO
N. 0
SELECTED WORK
NO. 0

M731
D31X

PEZZO SELEZIONATO
N. 1
SELECTED WORK
NO. 1

M732
D32X

PEZZO SELEZIONATO
N. 2
SELECTED WORK
NO. 2

M733
D33X

PEZZO SELEZIONATO
N. 3
SELECTED WORK
NO. 3

M734
D34X

PEZZO SELEZIONATO
N. 4
SELECTED WORK
NO. 4

M735
D35X

PEZZO SELEZIONATO
N. 5
SELECTED WORK
NO. 5

M736
D36X

PEZZO SELEZIONATO
N. 6
SELECTED WORK
NO. 6

M737
D37X

PEZZO SELEZIONATO
N. 7
SELECTED WORK
NO. 7

M738
D38X

PEZZO SELEZIONATO
N. 8
SELECTED WORK
NO. 8

M739
D39X

PEZZO SELEZIONATO
N. 9
SELECTED WORK
NO. 9

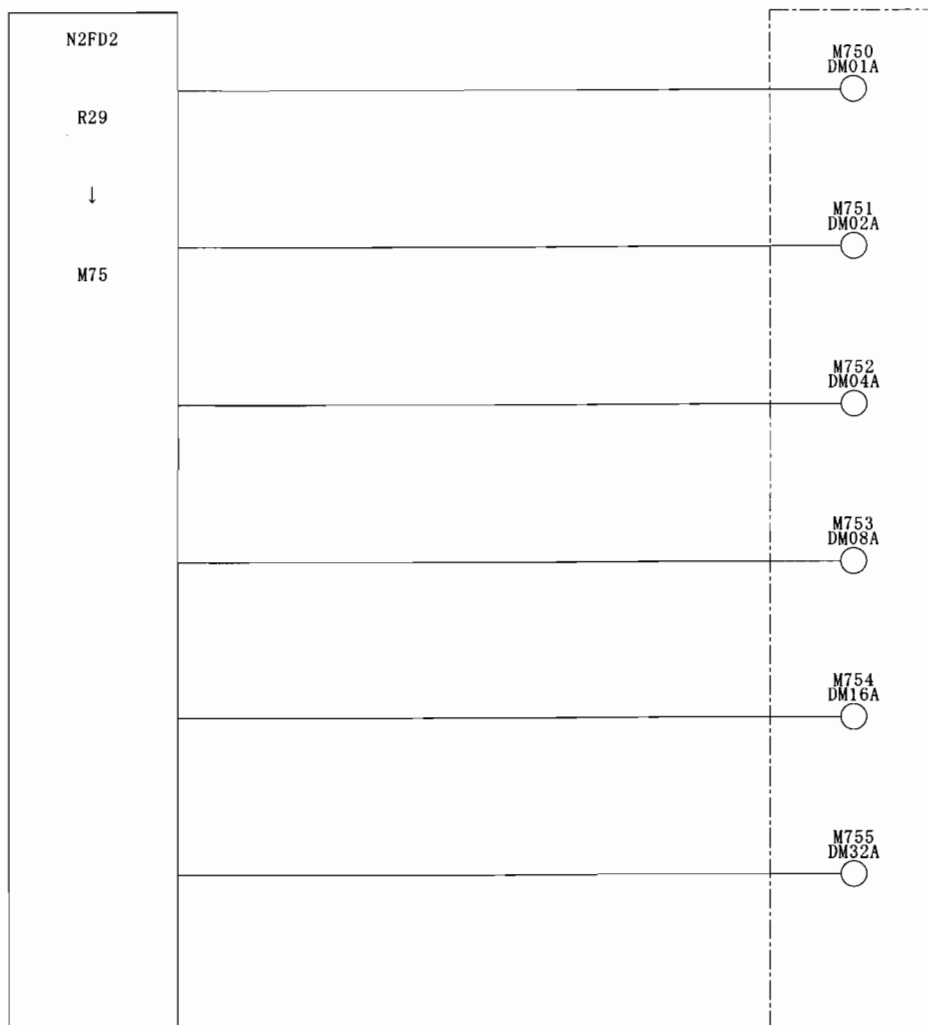
N2D30X	N2D31X	N2D32X	N2D33X	N2D34X	N2D35X	N2D36X	N2D37X	N2D38X	N2D39X		
12501	12401 12502	12402 12503	12403 12504	12404 12505	12405 12506	12406 12507	12407 12508	12408 12509	12409 12510		

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		CNC-TOY/CUC	N2
DRAWING NO.		34/46	
35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	370

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FUNZIONE PC
PC-FUNCTION

INDIRIZZO DESTINAZIONE
APPOINT ADDRESS



UNITA A
CODICE M 1
A UNIT
M CODE 1

UNITA A
CODICE M 2
A UNIT
M CODE 2

UNITA A
CODICE M 3
A UNIT
M CODE 4

UNITA A
CODICE M 8
A UNIT
M CODE 8

UNITA A
CODICE M 16
A UNIT
M CODE 16

UNITA A
CODICE M 32
A UNIT
M CODE 32

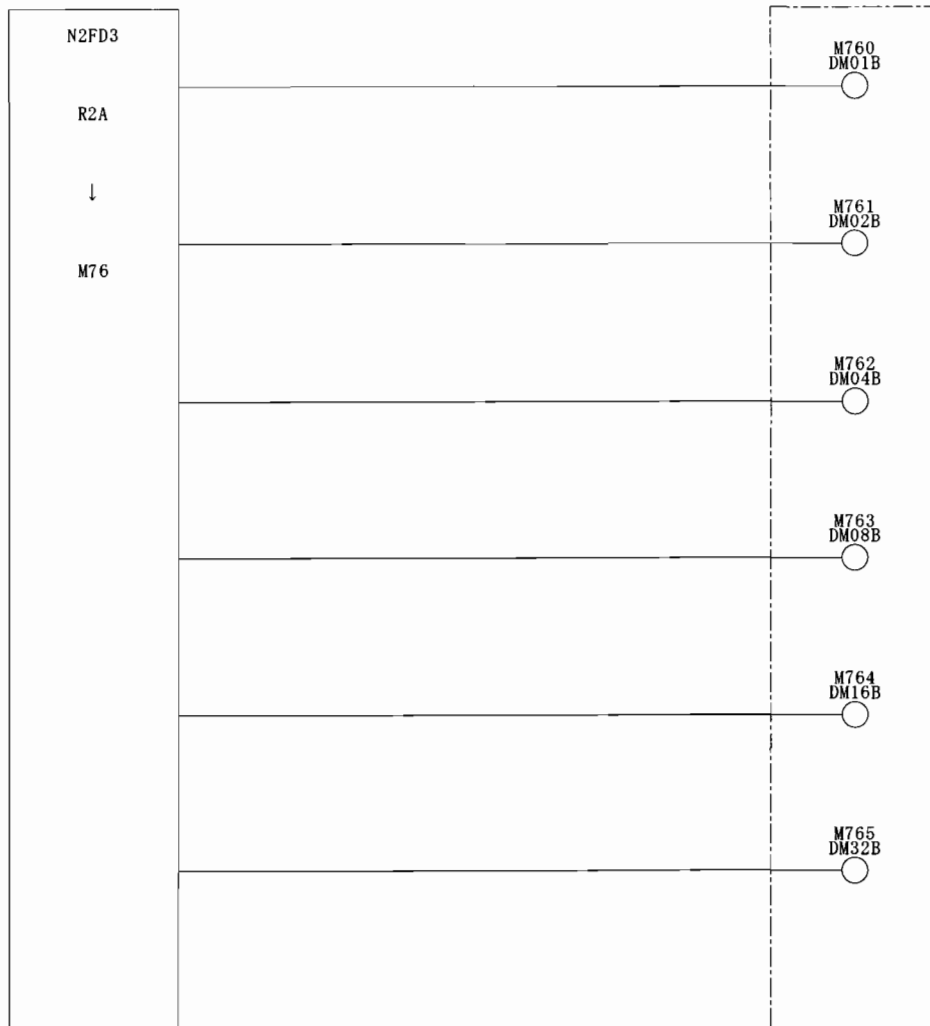
N2DM01 A	N2DM01 A	N2DM01 A	N2DM02 A	N2DM02 A	N2DM02 A	N2DM04 A	N2DM04 A	N2DM04 A	N2DM08 A	N2DM08 A	N2DM08 A
27301	27405	27602	27301	27405	27602	27301	27405	27602	27301	27405	27602
27302	27406	27603	27302	27406	27603	27302	27406	27603	27302	27406	27603
27303	27501	27604	27303	27501	27604	27303	27501	27604	27303	27501	27604
27304	27502	27605	27304	27502	27605	27304	27502	27605	27304	27502	27605
27305	27503		27305	27503		27305	27503		27305	27503	
27306	27504		27306	27504		27306	27504		27306	27504	
27401	27505		27401	27505		27401	27505		27401	27505	
27402	27506		27402	27506		27402	27506		27402	27506	
27403	27507		27403	27507		27403	27507		27403	27507	
27404	27601		27404	27601		27404	27601		27404	27601	
N2DM16 A	N2DM16 A	N2DM16 A	N2DM32 A	N2DM32 A	N2DM32 A						
27301	27405	27602	27301	27405	27602						
27302	27406	27603	27302	27406	27603						
27303	27501	27604	27303	27501	27604						
27304	27502	27605	27304	27502	27605						
27305	27503		27305	27503							
27306	27504		27306	27504							
27401	27505		27401	27505							
27402	27506		27402	27506							
27403	27507		27403	27507							
27404	27601		27404	27601							

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		QD-TOYCPUC	N2
DRAWING NO.		36/46	
35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	372

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FUNZIONE PC
PC-FUNCTION

INDIRIZZO DESTINAZIONE
APPOINT ADDRESS



UNITA B
CODICE M 1
B UNIT
M CODE 1

UNITA B
CODICE M 2
B UNIT
M CODE 2

UNITA B
CODICE M 4
B UNIT
M CODE 4

UNITA B
CODICE M 8
B UNIT
M CODE 8

UNITA B
CODICE M 16
B UNIT
M CODE 16

UNITA B
CODICE M 32
B UNIT
M CODE 32

N2DM01 B	N2DM01 B	N2DM02 B	N2DM02 B	N2DM04 B	N2DM04 B	N2DM08 B	N2DM08 B	N2DM16 B	N2DM16 B	N2DM32 B	N2DM32 B
27701	27804	27701	27804	27701	27804	27701	27804	27701	27804	27701	27804
27702		27702		27702		27702		27702		27702	
27703		27703		27703		27703		27703		27703	
27704		27704		27704		27704		27704		27704	
27705		27705		27705		27705		27705		27705	
27706		27706		27706		27706		27706		27706	
27707		27707		27707		27707		27707		27707	
27801		27801		27801		27801		27801		27801	
27802		27802		27802		27802		27802		27802	
27803		27803		27803		27803		27803		27803	

TOYOTA M/C NUMBER		CONTENTS		DEVICE CODE	
		CNC-TOYOPUC		N2	
DRAWING NO.		35-80777001		37/46	
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		373	

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SEGNALE INTERR. 10
AVVIO CICLO RETTIF.
SW. SIGNAL 10
START GRINDING CYCLE

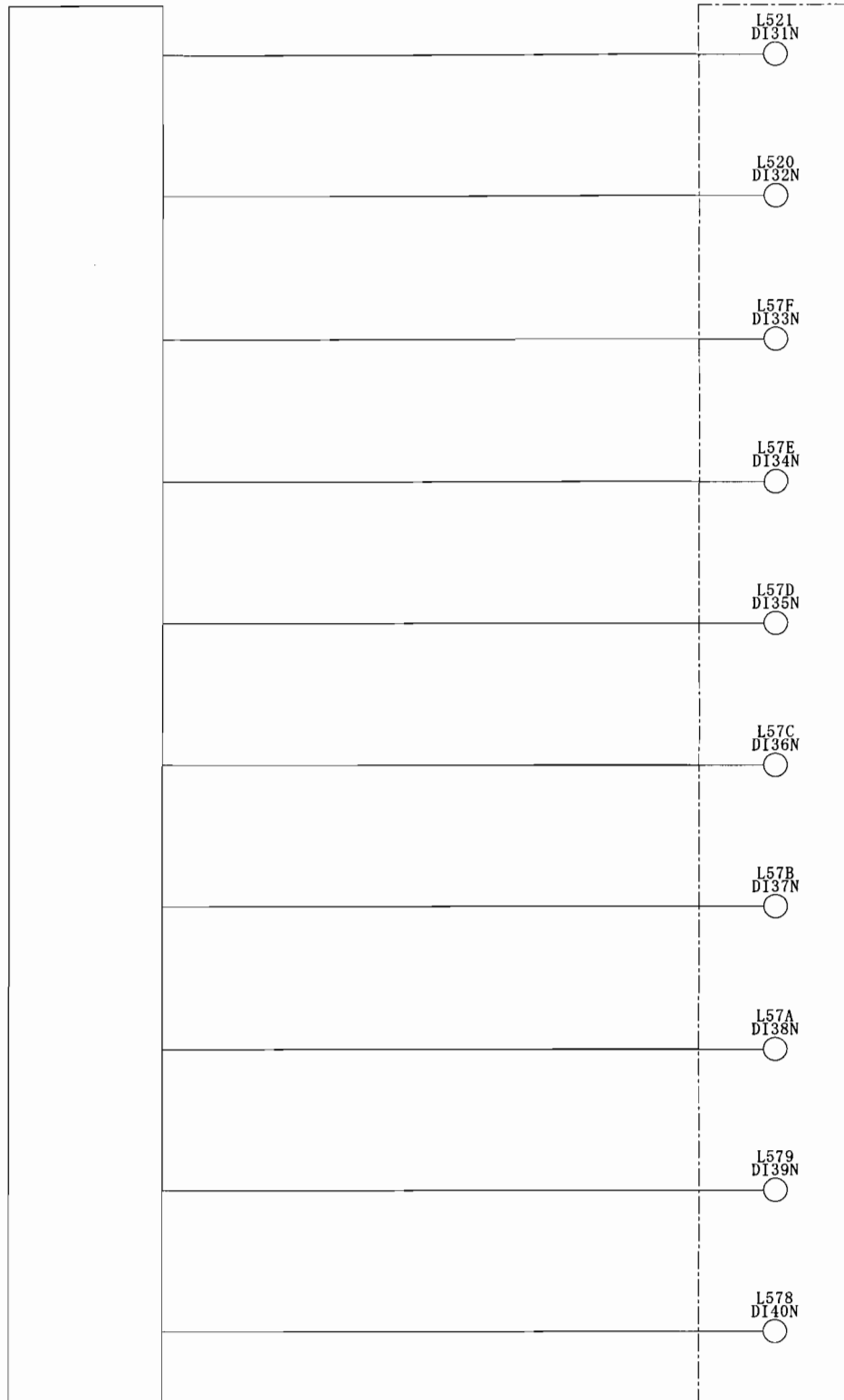
[illegible]

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DRAWN: 00/06/20 REVIEW: 05/10/21 PRINT OUT: 05/10/21

INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

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SEGNAL Interr. 31
MODIFICA DATI CN
SW.SIGNAL 31
NC DATA CHANGE
```

SEGNALE INTERR. 32
POS. REGOL. TAV.
SW. SIGNAL 32
TABLE ADJUST POSI.

SEGNALE INTERR. 33
SW. SIGNAL 33

SEGNAL. INTERR. 34
SW. SIGNAL 34

SEGNALE INTERR. 35
SW. SIGNAL 35

SEGNAL. INTERR. 36
SW. SIGNAL 36

SEGNAL. INTERR. 37
SW. SIGNAL 37

SEGNAL. INTERR. 38
SW. SIGNAL 38

SEGNALE INTERR. 39
AVVIO RIPASS. (NON IN USO)
SW. SIGNAL 39
START DRESSING (NO USE)

SEGNALE INTERR. 40
AVVIO RAVV.
SW. SIGNAL 40
START TRUING

[illegible]

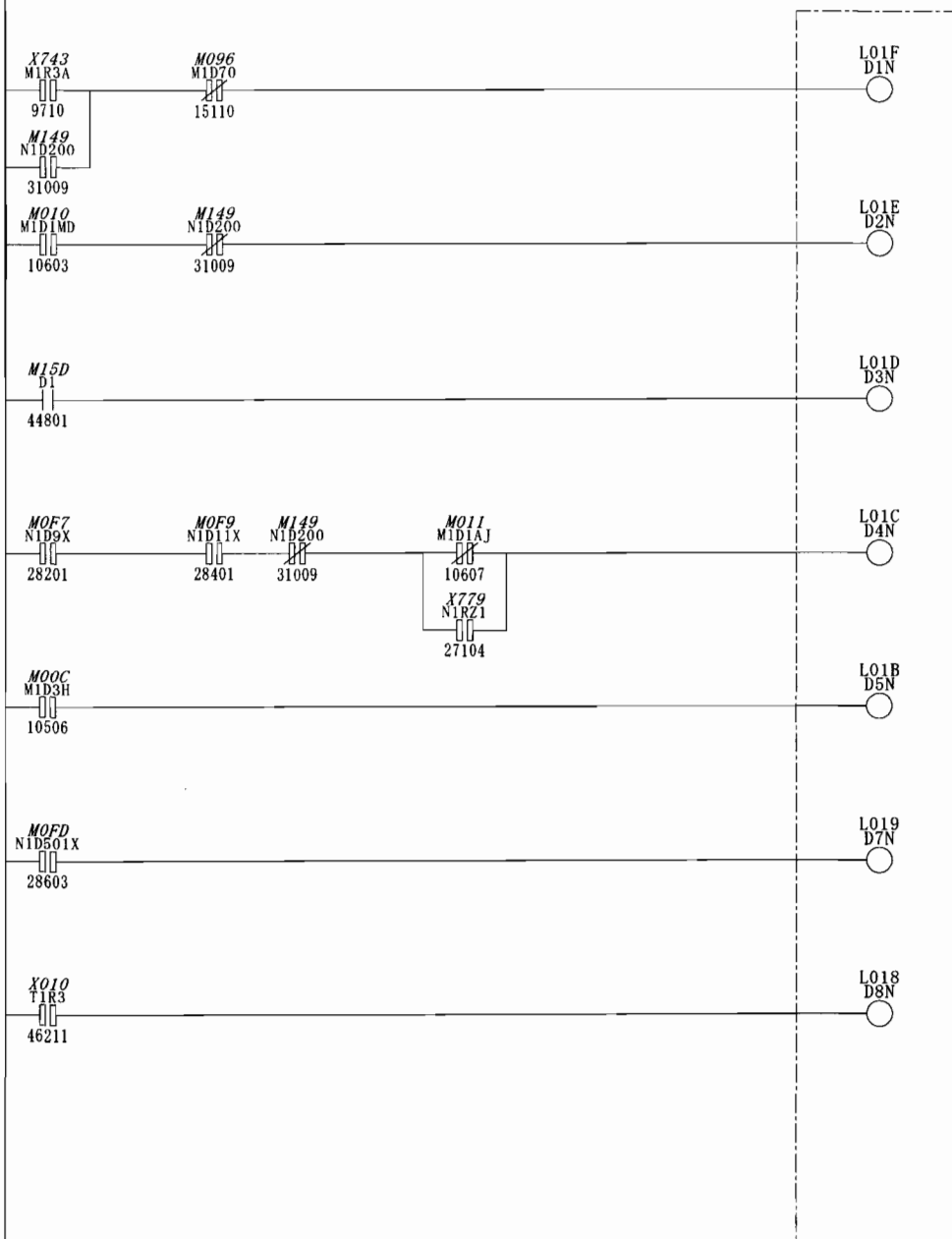
<i>TOYOTA M/C NUMBER</i>		<i>CONTENTS</i> CNO-TOYOPEC	<i>DEVICE CODE</i> N2
	<i>DRAWING NO.</i> 35-80777001	42 / 4	
<i>MANUFACTURER</i>		<i>MANUFACTURE'S NUMBER</i> RC8077, RC8078	<i>PAGE</i> 378

SEGNALE INTERR. 70
SCARICO SEMI AUTO
SW. SIGNAL 70
SEMI AUTO UNLOADING

<i>TOYOTA M/C NUMBER</i>		<i>CONTENTS</i> ONC-TOYOPLUC	<i>DEVICE CODE</i> N2
	<i>DRAWING NO.</i> 35-80777001	45/4	
<i>MANUFACTURER</i>		<i>MANUFACTURE'S NUMBER</i> RC8077. RC8078	<i>PAGE</i> 381

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INDIRIZZO DESTINAZIONE CNC
APPOINT ADDRESS CNC



MODALITA AUTO
AUTO MODE

MODALITA MDI
MDI MODE

MODALITA INTERMITTENZA
JOG MODE

MODALITA MANOPOLA
HANDLE MODE

MEMORIA POS.
POSI. MEMORY

RESET CN
NC RESET

AVVIO POMPA
COMPLETATO
PUMP START
COMPLETE

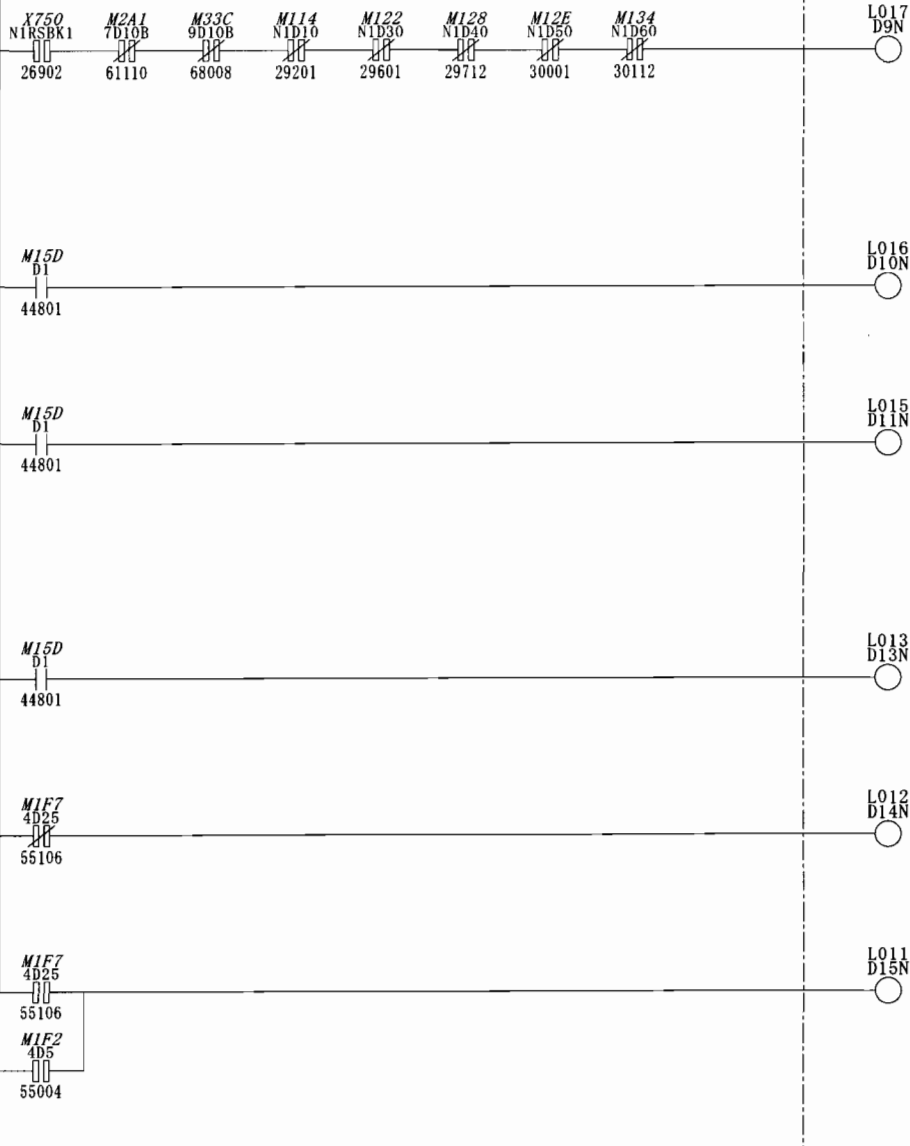
N3D1N	N3D2N	N3D3N	N3D4N	N3D5N	N3D7N	N3D8N													
	15603				28602														

M1R3A	MEMORIA MODALITANC	97					
M1D70	AVVIO MDI	151					
N1D200	PROGRAMMA CN IN CORSO	310					
M1D1MD	MDI	106					
N1D9X	SELEZIONE ASSE COMPLETATA	282					
N1D11X	MODALITA MANOPOLA	284					
M1D1AJ	REGOLAZIONE	106					
N1R21	SELEZ. ASSE Z	271					
M1D3H	MANUALE (MANIGLIA)	105					
N1D501X	RESET CN	286					
T1R3	SERVO ONCOMPLETO	462					

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		TOYOPUC-CNC	N3
DRAWING NO.		1/66	
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	383

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INDIRIZZO DESTINAZIONE
APPOINT ADDRESS CNC



BLOCCO SINGOLO
ON
SINGLE BLOCK
ON

MANT. ALIMENTAZIONE
FEED HOLD

ARRESTO FACOLTATIVO
OPTIONAL STOP

ROTAZIONE
MANDRINO PORTAP.
WHEEL SP.
ROTATION

AVVIO MANDRINO
PORTAP.
START WORK
SP.

MANDRINO PORTAP.
SENSO ORARIO
WORK SP.
C. W.

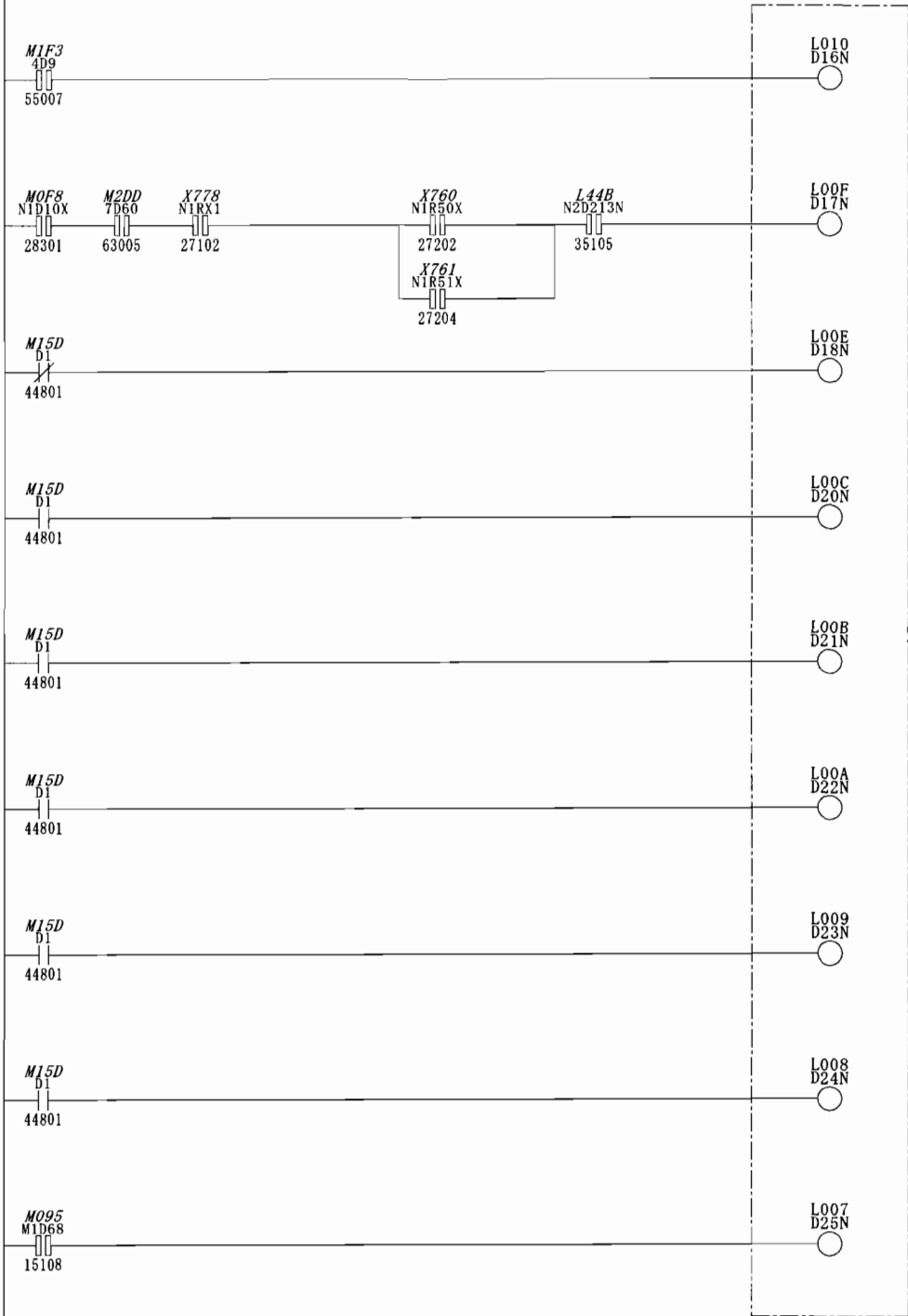
N3D9N	N3D10N	N3D11N	N3D13N	N3D14N	N3D15N														
26002																			

N1RSBK1	BLOCCO SINGOLO ON	269							
7D10B	CICLO RITORNO	611							
9D10B	RITORNO RIPASSATORE	680							
N1D10	MEMORIA POSIZ.	292							
N1D30	MEMORIA POSIZ. DIAM. MOLA	296							
N1D40	MEMORIA POSIZ. POS. PEZZO	297							
N1D50	MEMORIA POS. CONTATTO RAYV.	300							
N1D60	MEMORIA POS. RIPASS.	301							
4D25	AVVIO MANDRINO PORTAP.	551							
4D5	MANDR. PORTAP. AVANZ. (CICLO AUTOM.)	550							

TOYOTA W/C NUMBER		CONTENTS		DEVICE CODE	
		TOYOCNC-CNC		N3	
		DRAWING NO.		2/66	
		35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER		PAGE	
		RC8077, RC8078		384	

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INDIRIZZO DESTINAZIONE CNC
APPOINT ADDRESS CNC



MANDRINO PORTAP.
SENSO ANTIORARIO
WORK SP.
C. C. W

INTERR.
M. P. G.
M. P. G.
INTERRUPT

MANUALE
ASSOLUTO
MANUAL
ABSOLVTE

ATTIVAZ. MACRO
MACRO ON

BLOCCO
FUNZIONE AUSIL.
AUX. FUNCTION
LOCK

FUNZ. A VUOTO
DRY PUN

BLOCCO MACCHINA
M/C LOCK

SIMULAZIONE
SIMULATION

ATTIVAZ. MDI
MDI ON

N3D16N	N3D17N	N3D18N	N3D20N	N3D21N	N3D22N	N3D23N	N3D24N	N3D25N			

4D9	MANDR. PORTAP. INVERSO(CICLO AUTOM.)	550			
N1D10X	EFFETTO MANOPOLACICLO PROFILO	283			
7D60	AVVIAMENTOCICLO PROFILO	630			
N1RX1	SELEZ. ASSE X	271			
N1R50X	M. P. GMOLTIPLICARE X1	272			
N2D213N	USCITA DATI 8SPRESS. MANOPOLA	351			
N1R51X	M. P. GMOLTIPLICARE X10	272			
M1D68	MDI IN CORSO(OFF PER SBK)	151			

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		TOYOCUC-CNC	N3
DRAWING NO.		35-80777001	
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	385

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L030
D48N

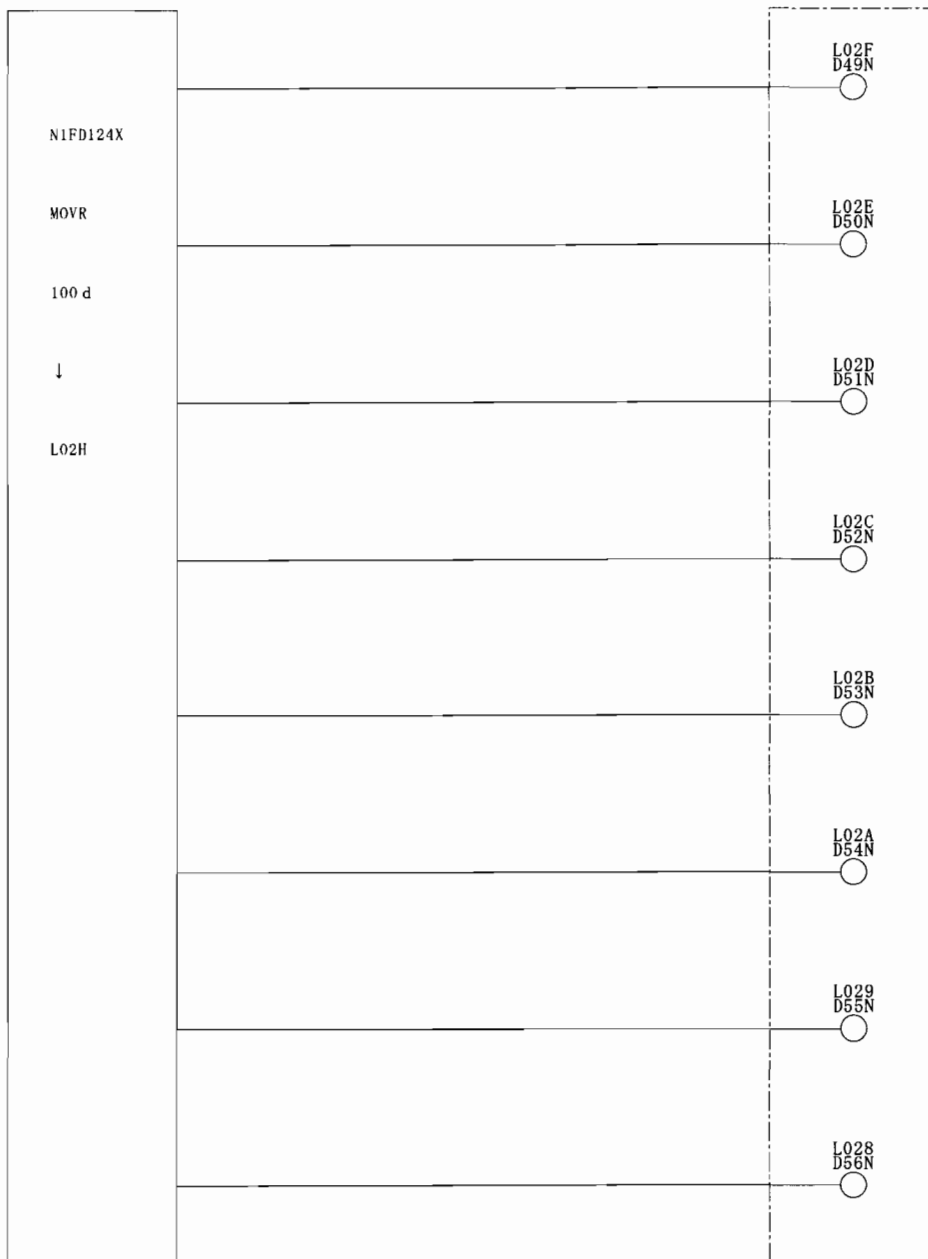
1 MECCAN INTERV
ALIMENTAZIONE RAPIDA
RAPID FEED
OVER RIDE 1

[illegible]

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FUNZIONE PC
PC-FUNCTION

INDIRIZZO DESTINAZIONE
APPOINT ADDRESS CNC



MANDRINO PORTAP.
SCAVAL. 128
WORK SP.
OVER RIDE 128

MANDRINO PORTAP.
SCAVAL. 64
WORK SP.
OVER RIDE 64

MANDRINO PORTAP.
SCAVAL. 32
WORK SP.
OVER RIDE 32

MANDRINO PORTAP.
SCAVAL. 16
WORK SP.
OVER RIDE 16

MANDRINO PORTAP.
SCAVAL. 8
WORK SP.
OVER RIDE 8

MANDRINO PORTAP.
SCAVAL. 4
WORK SP.
OVER RIDE 4

MANDRINO PORTAP.
SCAVAL. 2
WORK SP.
OVER RIDE 2

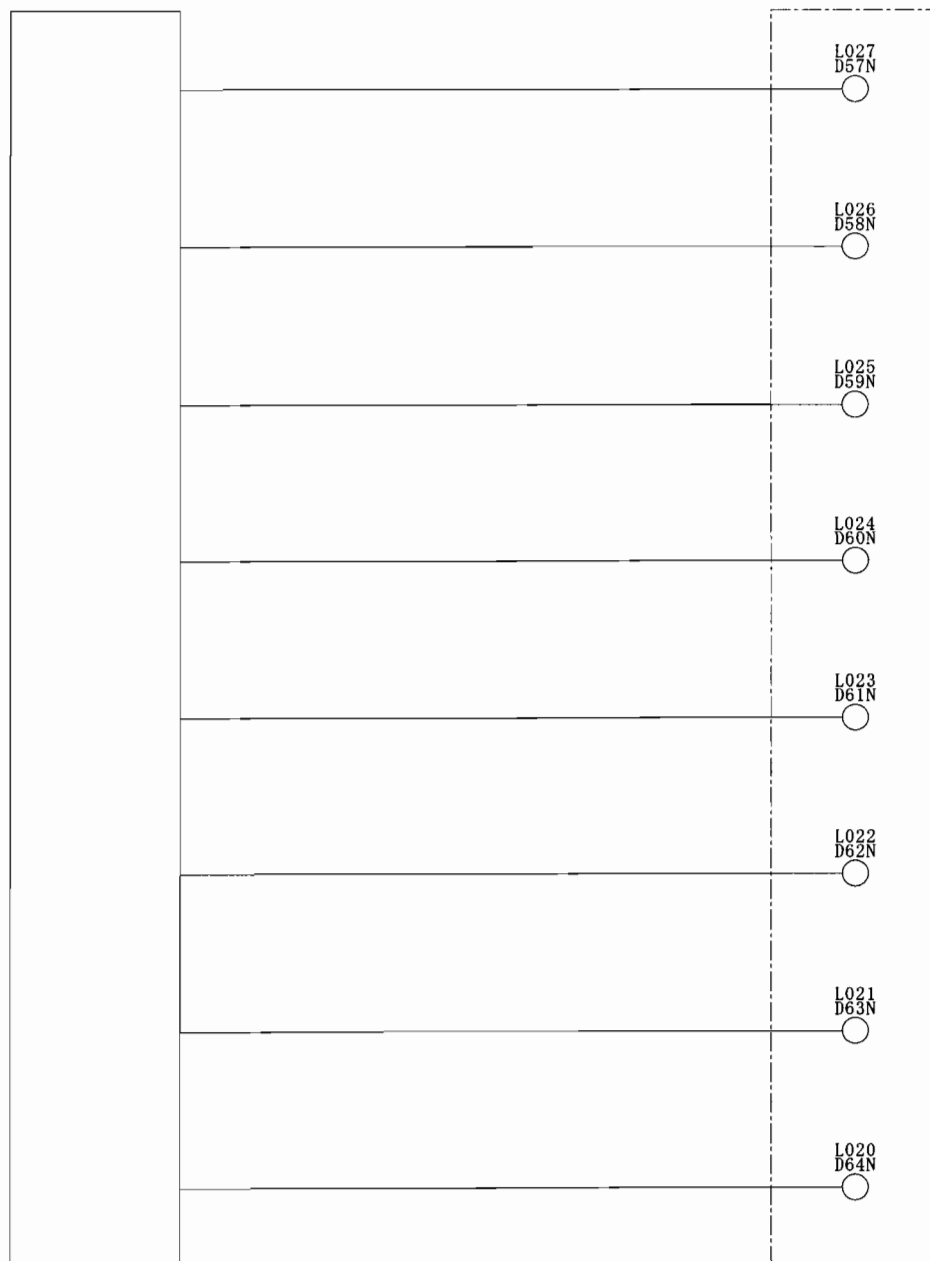
MANDRINO PORTAP.
SCAVAL. 1
WORK SP.
OVER RIDE 1

N3D49N	N3D50N	N3D51N	N3D52N	N3D53N	N3D54N	N3D55N	N3D56N				

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		TOYOPUC-CNC	N3
DRAWING NO.		6/66	
35-80777001			
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	388

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CNC
CNC



RIPASS.
SCAVAL. 1
DRESS
OVER RIDE 1

[illegible]

TOYOTA M/C NUMBER			CONTENTS TOYOPUC-ENG		DEVICE CODE N3
	DRAWING NO. 35-80777001		PAGE 389		
MANUFACTURER		MANUFACTURE'S NUMBER RC8077, RC8078			

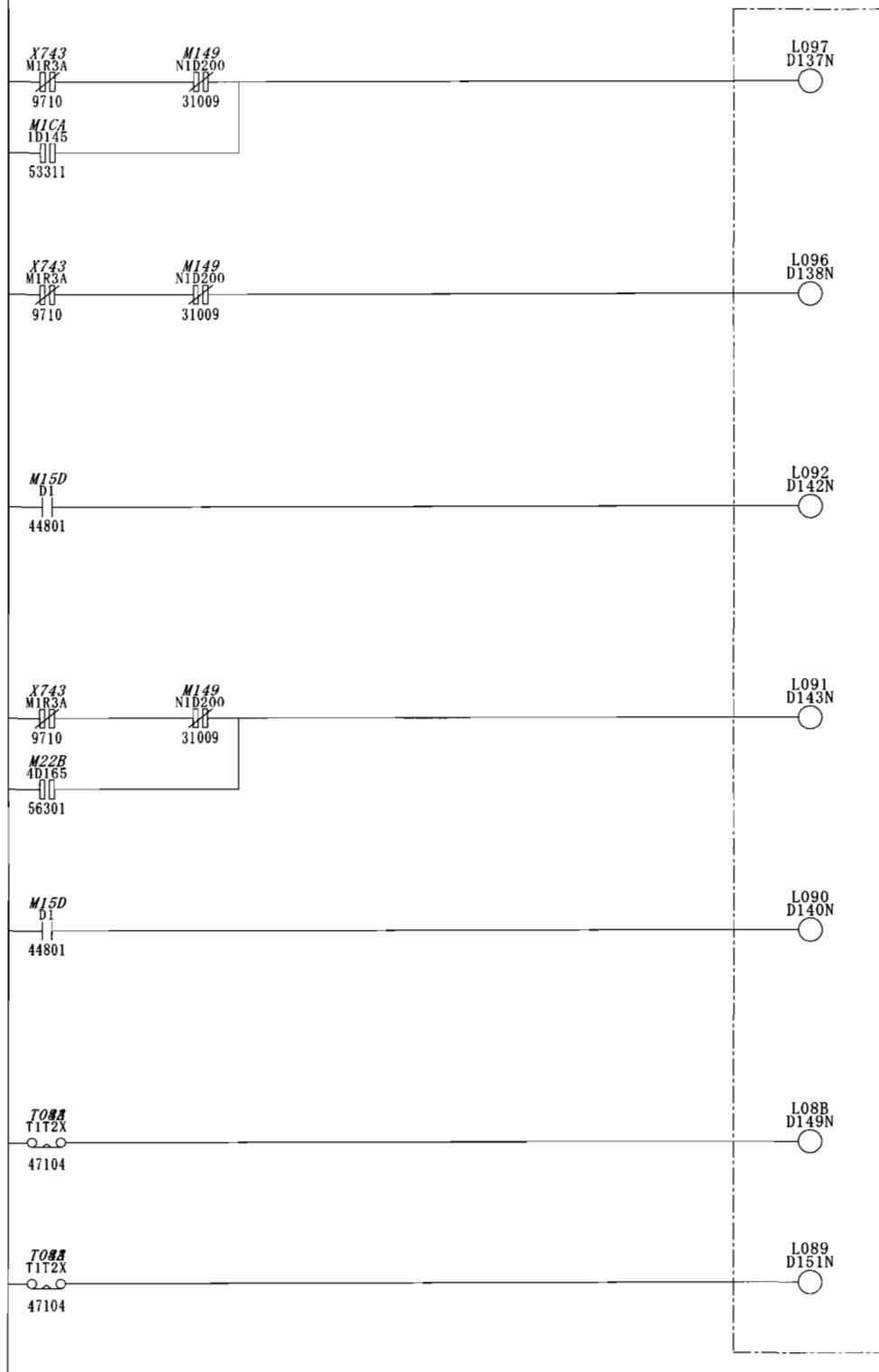
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RESTRIZIONE
CORRENTE (ASSE A)
CURRENT
RESTRICTION (A-AXIS)

[illegible]

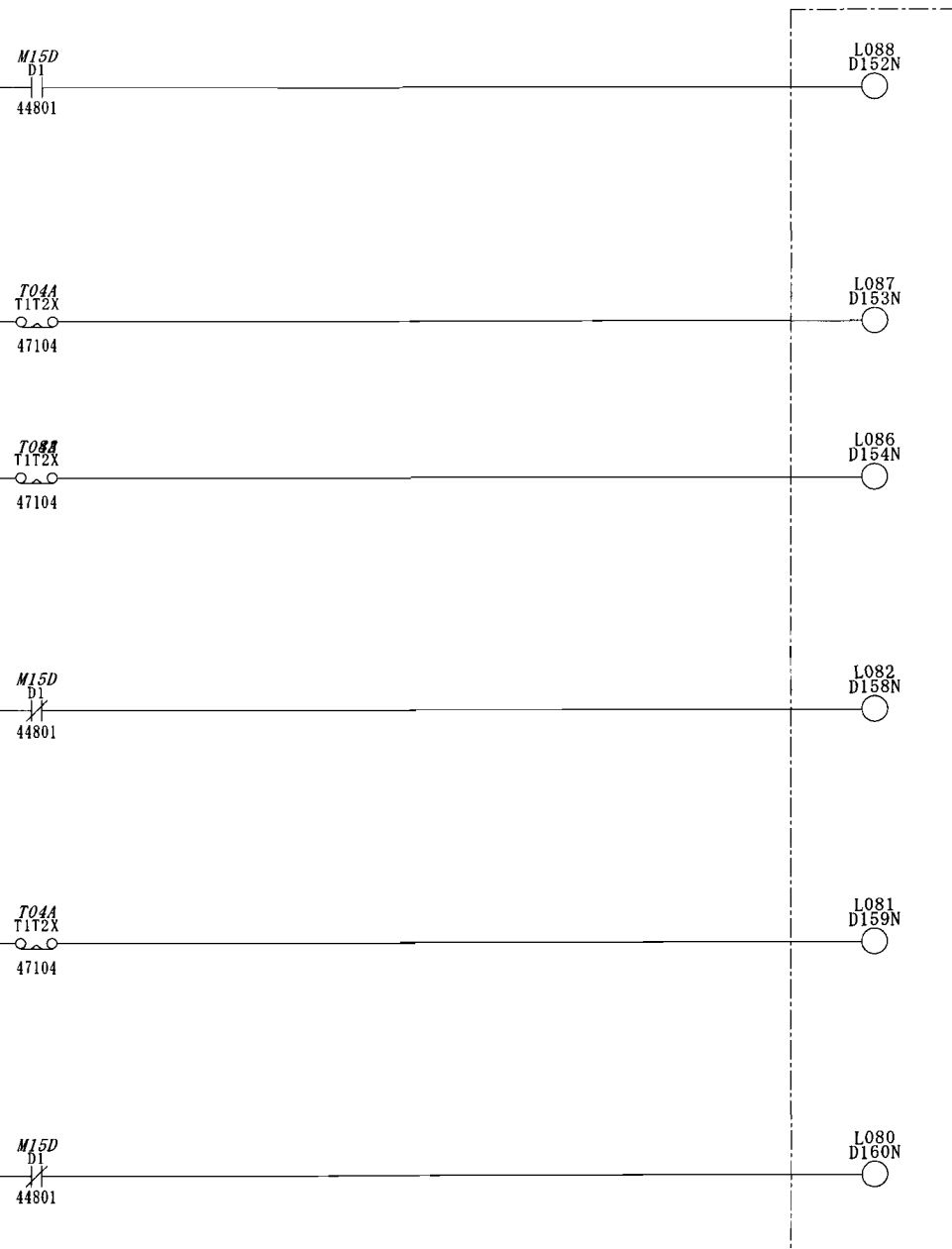
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SERVO
ON/OFF (ASSE Z)
SERVO ON/OFF
(Z-AXIS)

[illegible]

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SERVO
ON/OFF (ASSE 'Z)
SERVO
ON/OFF ('Z-AXIS)

[illegible][illegible]

TOYOTA W/C NUMBER		CONTENTS	DEVICE CODE
		TOYCPUO-ONE	N3 12/6
	DRAWING NO.	35-80777001	
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	394

[illegible]

CNC
CNC

X77E
N1RZ2
—□□—
27114

LODO
D208N

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SELEZ.
ASSE (ASSE ,Z)
AXIS
SELECT(, Z-AXIS)

```

NIRX1	SELEZ. ASSE X	271			
NIRZ1	SELEZ. ASSE Z	271			
NIRB1	SELEZ. ASSE B	271			
NIRC1	SELEZ. ASSE C	271			
NIRX2	SELEZ. ASSE ' X	271			
NIRY1	SELEZ. ASSE ' Y	271			
NIRZ2	SELEZ. ASSE ' Z	271			

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		TOYCPUO-ONE	N3
	DRAWING NO.		13/6
35-80777001			
MANUFACTURER	MANUFACTURE'S NUMBER		PAGE
	RC8077, RC8078		395

CNC
CNC

[illegible]

L118
D264N

L117
D265N

L116
D266N

L115
D267N

L114
D268N

L113
D269N

L112
D270N

L111
D271N

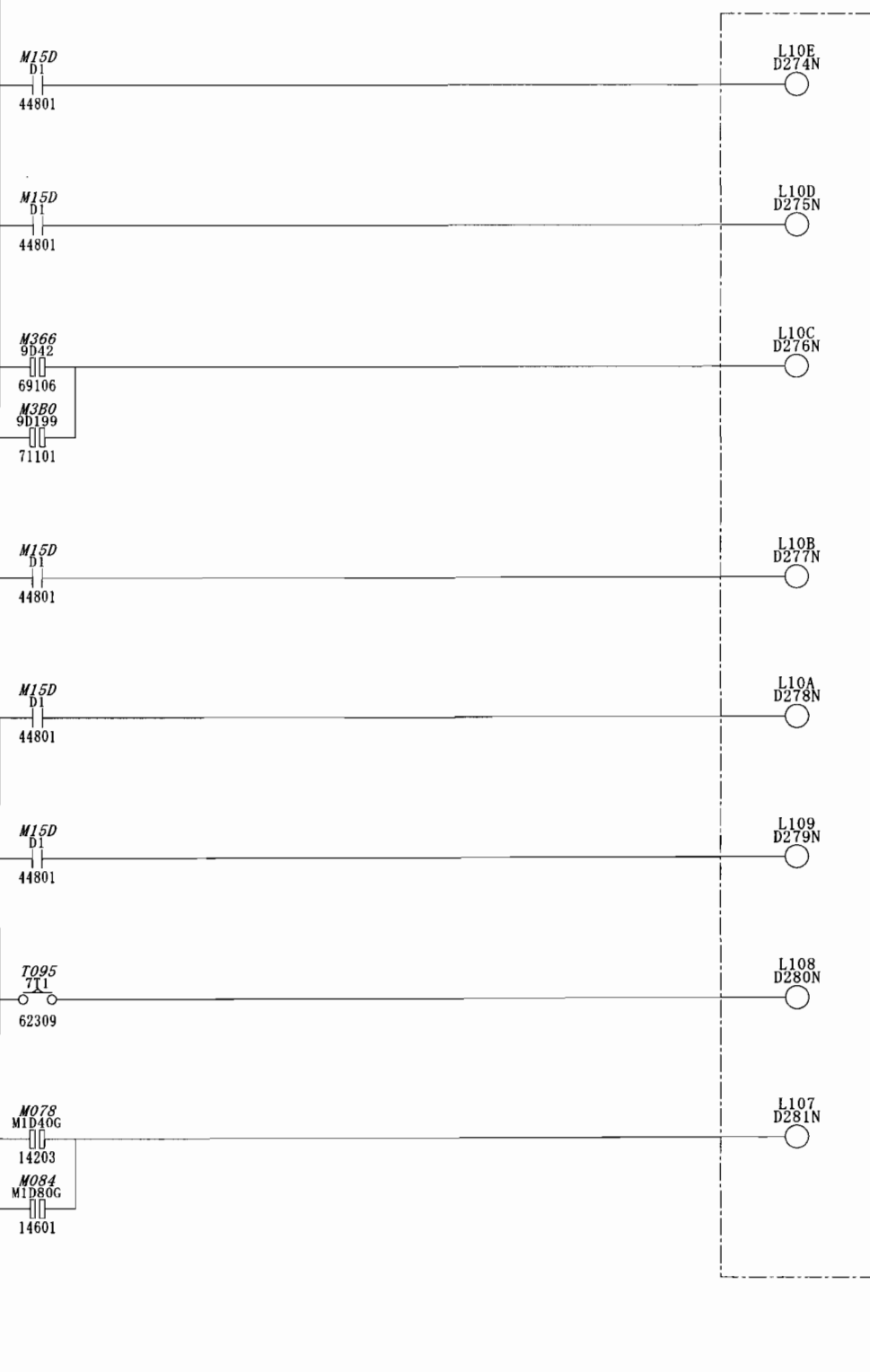
L110
D272N

L10F
D273N

IMMISSIONE 17
DITINZ. LAT. DESTRA MOLA
INPUT 17
WHEEL RIGHT SIDE DISTINCTION

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		TOYOTUO-ONE	N3
	DRAWING NO.		15/66
35-80777001			
MANUFACTURER	MANUFACTURE'S NUMBER		PAGE
	RC8077. RC8078		397

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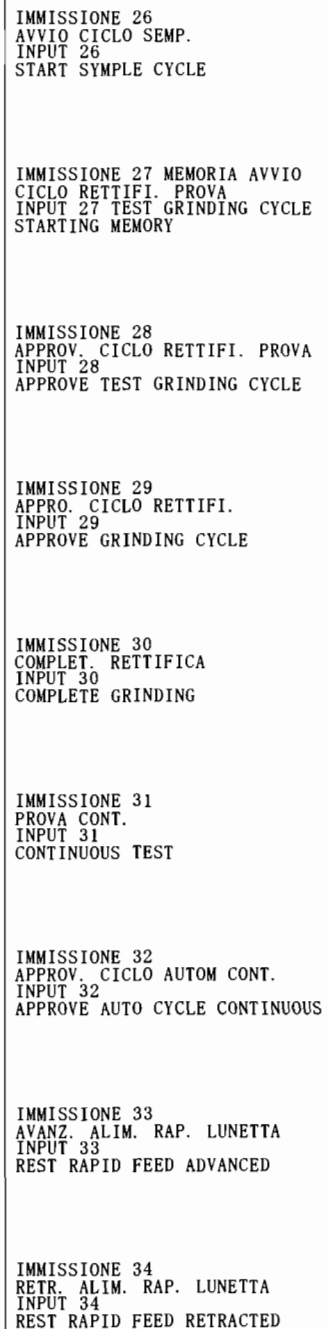
```
IMMISSIONE 25
AVVIO CICLO AUTOM.
INPUT 25
START AUTO CYCLE
```

[illegible]

9D42	MEM. ARRESTO RAVVIV.GREZZA MANUALE	691			
9D199	AVVIAM. RAVVIV. GREZZA	711			
7T1	ROTATIONEMANDRINO PORTAM.	623			
M1D40G	CICLO NC	142			
M1D80G	RISCALDAMENTO	146			

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		TOYOPUC-01C	N3
	DRAWING NO.	35-80777001	16/6
MANUFACTURER		MANUFACTURE'S NUMBER	PAGE
		RC8077, RC8078	398

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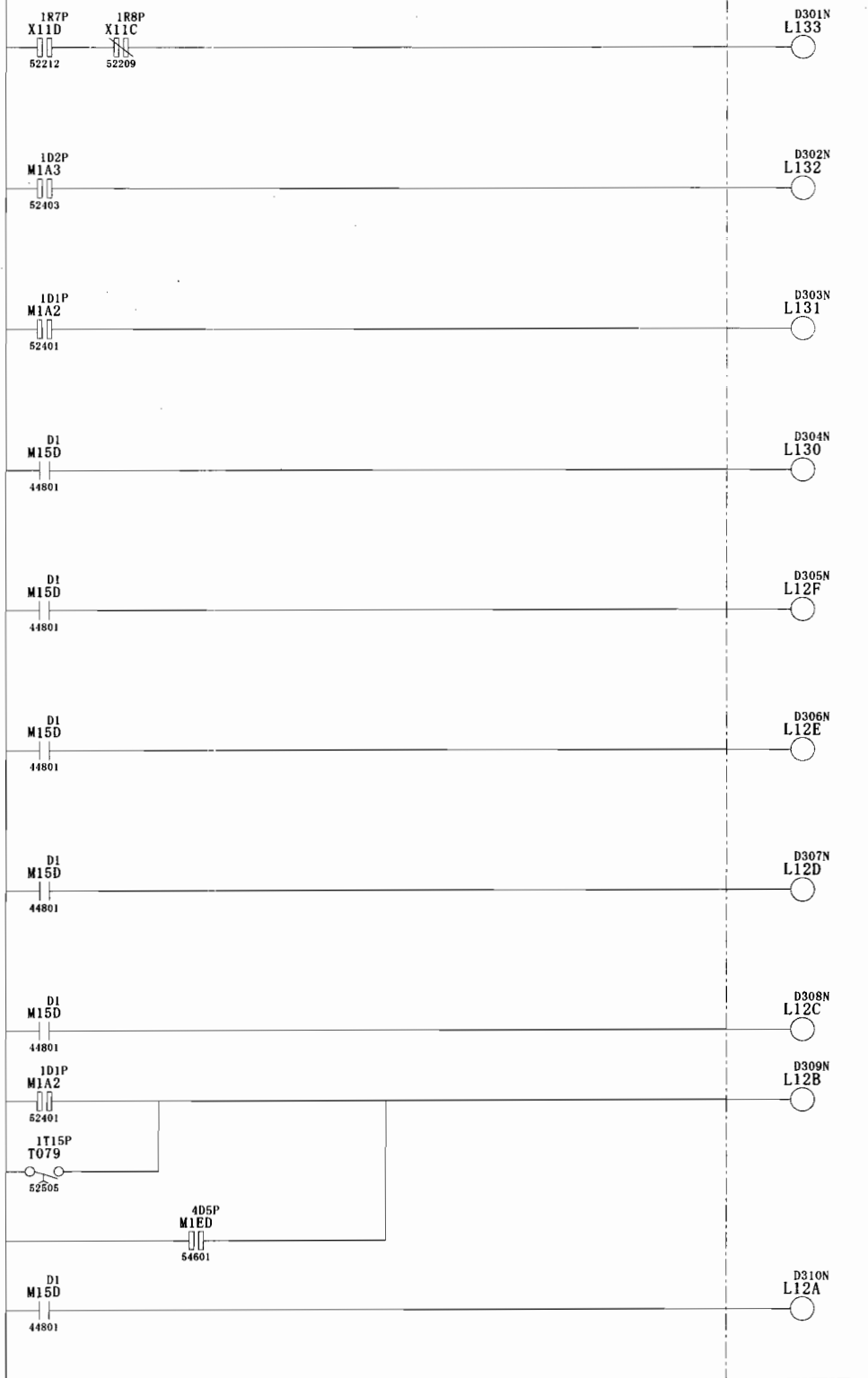


7D5	CONDIZIONE 2 CICLO RETTIFICA	624			
5D2P	SPORTELLO CHIUSO	576			
W1T1TS	ATTIVAZIONE CICLO PROVA	106			
7K1	RETTIFICA, COMPLETATA	627			
W1D6X	PROVA CONT. (CICLO AUTOM. SEGNALE)	107			
W1D7X	PROVA SING. (CICLO CONT.)	107			
W1D2G	CICLO AUTOM.	134			
4D12P	LUN. AUTOM. AVANZ.	545			

TOYOTA M/C NUMBER		CONTENTS	DEVICE CODE
		TOYOPUC-01C	N3
	DRAWING NO.	35-80777001	17/66
MANUFACTURER			
MANUFACTURE'S NUMBER		PAGE	
RC8077, RC8078		399	

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INDIRIZZO	DESTINAZIONE	CNC
APPOINT	ADDRESS	CNC



IMMISSIONE 45
CONFER. SPINTA CENTR.
INPUT 45
CONFIR. CENTER PUSH

IMMISSIONE 46
CENTRO AVAN.
INPUT 46
CENTER ADVANCED

IMMISSIONE 47
CENTRO RET.
INPUT 47
CENTER RETRACTED

IMMISSIONE 48
CENTRO AGG.
INPUT 48
CENTER CLAMPER

IMMISSIONE 49
FINE AVAN. ALIM. RAP. LUN. DES.
INPUT 49 RIGHT REST RAPID
FEED ADVANCED END

IMMISSIONE 50
POS. PART. ALIM. RAP. LUN. DES.
INPUT 50
RIGHT REST RAPID FEED HOME POSI.

IMMISSIONE 51
INPUT 51

IMMISSIONE 52
INPUT 52

IMMISSIONE 53
COND. RIT. TESTA PORTAP.
INPUT 53
WORK HEAD RET.CONDI.

IMMISSIONE 54
ROTAZIONE MANDRINO PORTAP.
INPUT 54
WORK SP. ROTATING

[illegible]

1R7P	POSIZ. B CENTROCONTROPUNTA	522			
1R8P	POSIZ. A CENTROCONTROPUNTA	522			
1D2P	CENTRO CONTROPUNTA AVANZ.	524			
1D1P	CENTRO CONTROPUNTARIT.	524			
1T15P	COND. RIT. TESTA PORTAP.	525			
4D5P	LUN. AUTOM. RIT.	546			

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	N3	20/66		PAGE
	CONTENTS	TOYOPUC-ONE			402
	DRAWING NO.	35-80777001-1			

INDIRIZZO	DESTINAZIONE	CNC
APPOINT	ADDRESS	CNC

IMMISSIONE 55
ARRESTO CICLO PROFILO
INPUT 55
STOP PROFILE CYCLE

IMMISSIONE 56
POS. ORIG. MANDRINO PORTAP.
INPUT 56
WORK SP. ORIGINAL POSI.

IMMISSIONE 57
MEMORIA POS. COMP.
INPUT 57
POSI. MEMORY COMPLETE

IMMISS. 58 SCAN. MACRO UNITA E
IMPOS. DATI COMP.
INPUT 58 UNIT E SCANNING MACRO
DATA SET COMPLETE

IMMISSIONE 59
ATTIVAZ./DISATTIVAZ. MEMORIA
INPUT 59
POWER ON/OFF MEMORY

IMMISSIONE 60
MEMORIA ARRESTO MACCHI. 30 MIN
INPUT 60
MEMORY OF
STOP M/C 30 MIN

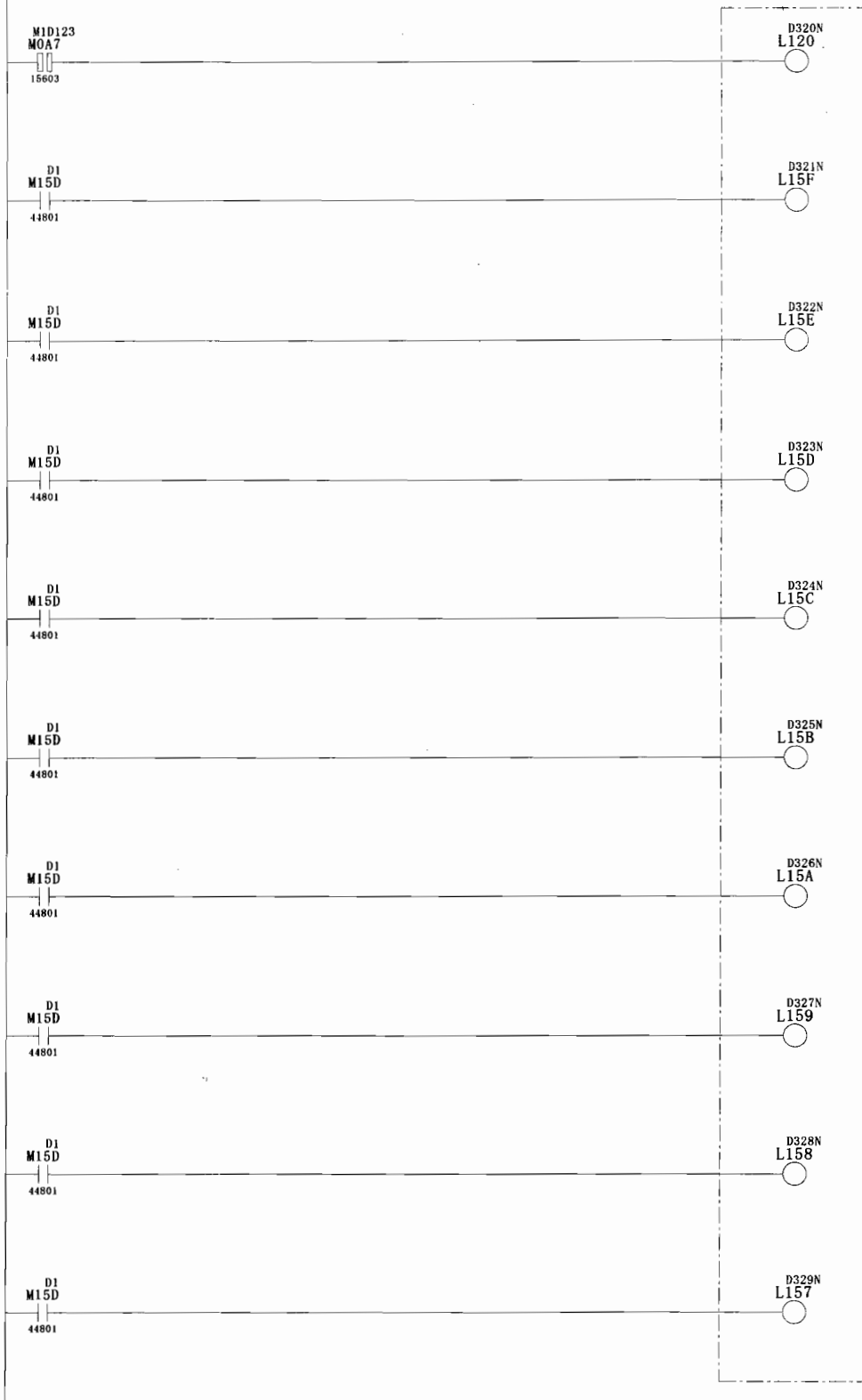
IMMISSIONE 61
APPROV. ORG.
INPUT 61
APPROVE ARRANGEMENT

IMMISSIONE 62
COMP. ORG.
INPUT 62
COMPLETE ARRANGEMENT

IMMISSIONE 63
BLOCCO SOST. PEZZO
INPUT 63
INTERLOCK OF WORK CHANGE

[illegible][illegible]

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IMMISSIONE 73
RIC. SEGN. CONT. CALIB. AUT. CN
INPUT 73 NC AUTO SIZER CONTACT
SEARCH SIGNAL

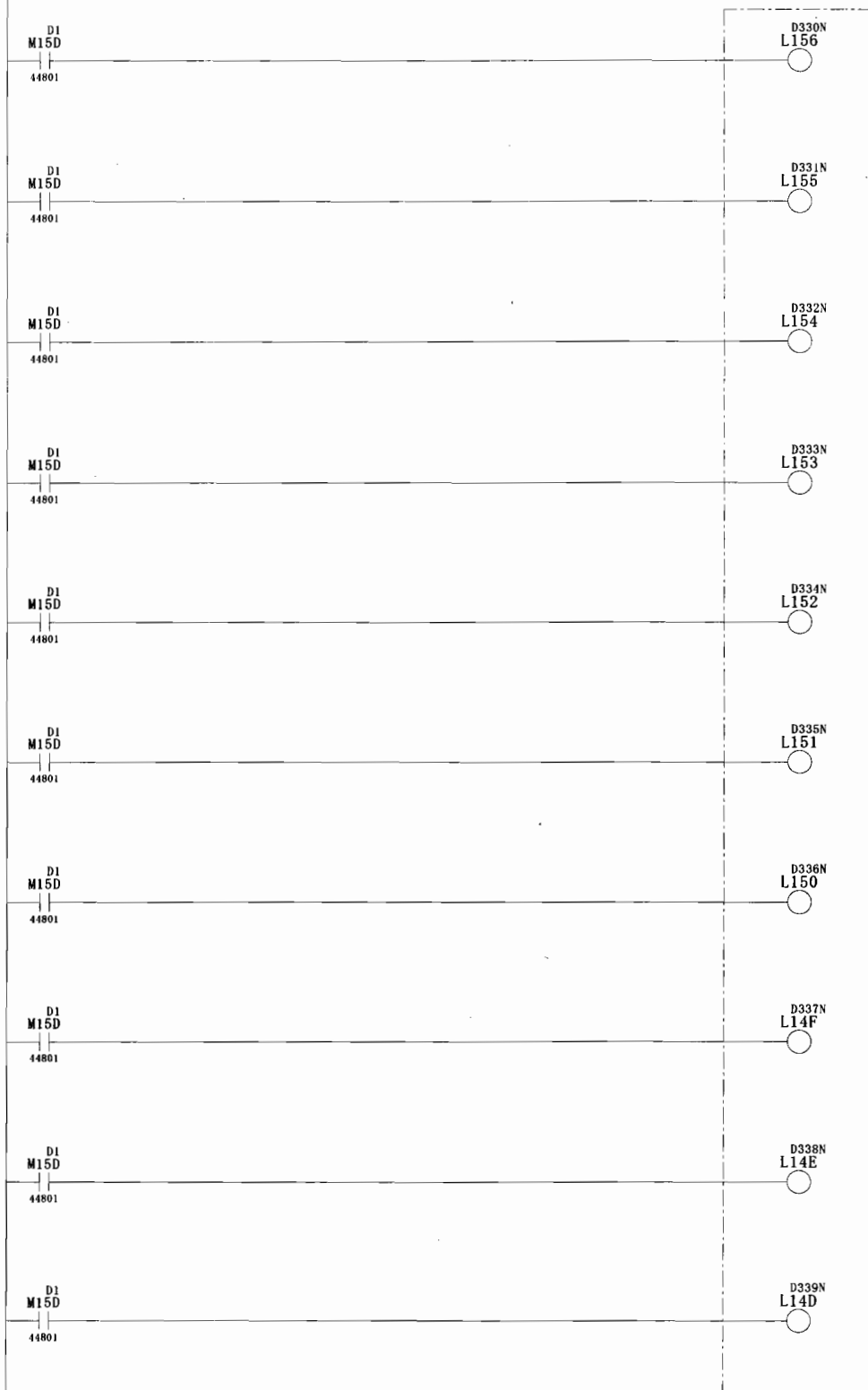
[illegible]

WID123	CONTROLLO ERRORI DATI	COMPLETATO	156			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE	
USER'S NO.	DEVICE CODE	N3	22/66	PAGE		
	CONTENTS	TOYFLUO-ONE			404	
	DRAWING NO.	35-80777001-1				

DRAWING NO. OF STANDARD

INDIRIZZO	DESTINAZIONE	CNC
APPOINT	ADDRESS	CNC

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IMMISSIONE 74
INPUT 74

IMMISSIONE 75
INPUT 75

IMMISSIONE 76
INPUT 76

IMMISSIONE 77
INPUT 77

IMMISSIONE 78
INPUT 78

IMMISSIONE 79
INPUT 79

IMMISSIONE 80
INPUT 80

INPUT 81

IMMISSIONE 82
INPUT 82

IMMISSIONE 83
INPUT 83

[illegible][illegible]

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INDIRIZZO DESTINAZIONE CNC
APPOINT ADDRESS

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D1
M15D
44801

D340N
L14A

IMMISSIONE 86
SELEZ. ASSE 'X, 'Z
INPUT 86
AXIS SELECT 'X, 'Z

D1
M15D
44801

D345N
L149

IMMISSIONE 87
SELEZ. ASSE 'Z (LUN. SINISTRA)
INPUT 87
AXIS SELECT 'Z (LEFT REST)

D1
M15D
44801

D346N
L148

IMMISSIONE 88
SELEZ. ASSE 'X (LUN. DESTRA)
INPUT 88
AXIS SELECT 'X (RIGHT REST)

D1
M15D
44801

D347N
L145

IMMISSIONE 91
INPUT 91

D1
M15D
44801

D348N
L144

IMMISSIONE 92
INPUT 92

D1
M15D
44801

D349N
L143

IMMISSIONE 93
INPUT 93

9D157
M398
70511

D350N
L142

IMMISSIONE 94
SEGNAL 2 AE
INPUT 94
AE SIGNAL 2

9D154
M395
70506

D351N
L141

IMMISSIONE 95
SEGNAL 1 AE
INPUT 95
AE SIGNAL 1

9D144
M390
70309

D352N
L140

IMMISSIONE 96
CONTATTO RAVV.
INPUT 96
TRUING CNTACT

N3D340	N3D345	N3D346	N3D347	N3D348	N3D349	N3D350	N3D351	N3D352
N	N	N	N	N	N	N	N	N
							69301	

9D157	SEGNAL 2 AETESTA PORTAM.	705
9D154	SEGNAL 1 AETESTA PORTAM.	705
9D144	RAVVIV. CONTATTO 1	703

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	N3	24/66		PAGE
	CONTENTS	TOYOPUG-CNC			406
	DRAWING NO.	35-80777001-1			

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INDIRIZZO DESTINAZIONE CNC
APPOINT ADDRESS CNC

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N1D231
M151
31408

D385N
L19F

SEGNALE AVV.
UNITA A
UNIT A START
SIGNAL

N1D301
M706
31604

D386N
L19E

SEGNALE AVV N. 64
UNITA A
UNIT A START
SIGNAL NO. 64

N1D302
M705
31606

D387N
L19D

SEGNALE AVV N. 32
UNITA A
UNIT A START
SIGNAL NO. 32

N1D303
M704
31608

D388N
L19C

SEGNALE AVV N. 16
UNITA A
UNIT A START
SIGNAL NO. 16

N1D304
M703
31610

D389N
L19B

SEGNALE AVV N. 8
UNITA A
UNIT A START
SIGNAL NO. 8

N1D305
M702
31612

D390N
L19A

SEGNALE AVV N. 4
UNITA A
UNIT A START
SIGNAL NO. 4

N1D306
M701
31614

D391N
L199

SEGNALE AVV N. 2
UNITA A
UNIT A START
SIGNAL NO. 2

N1D307
M700
31616

D392N
L198

SEGNALE AVV N. 1
UNITA A
UNIT A START
SIGNAL NO. 1

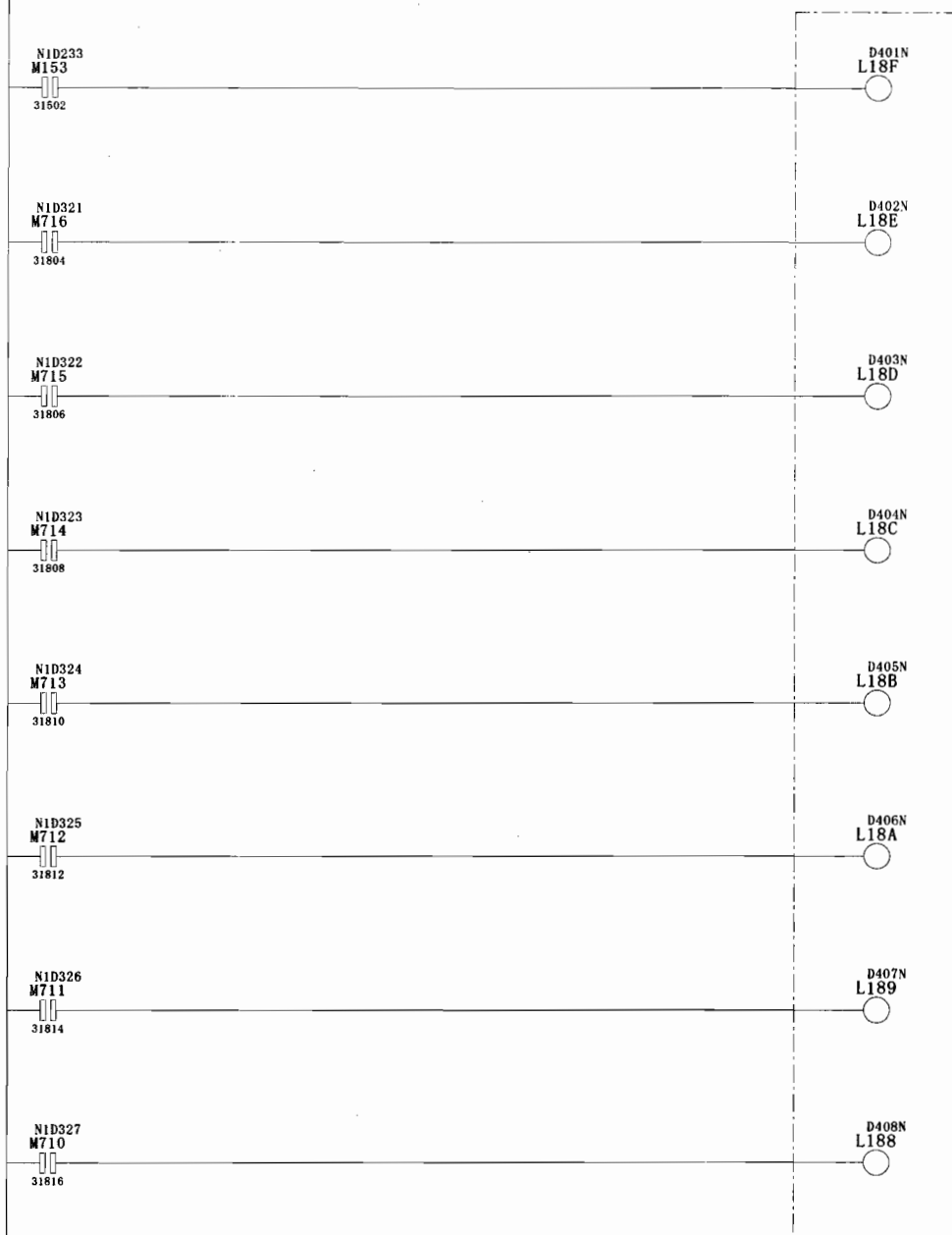
N3D385 N3D386 N3D387 N3D388 N3D389 N3D390 N3D391 N3D392

N1D231	SEGNALE AVVIO UNITA A	314
N1D301	FUNZ. TRASF. UNITA A AVVIO N. 64	316
N1D302	FUNZ. TRASF. UNITA A AVVIO N. 32	316
N1D303	FUNZ. TRASF. UNITA A AVVIO N. 16	316
N1D304	FUNZ. TRASF. UNITA A AVVIO N. 8	316
N1D305	FUNZ. TRASF. UNITA A AVVIO N. 4	316
N1D306	FUNZ. TRASF. UNITA A AVVIO N. 2	316
N1D307	FUNZ. TRASF. UNITA A AVVIO N. 1	316

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	N3 28/66			PAGE
	CONTENTS	TOYOPUG-CNC			410
	DRAWING NO.	35-80777001-1			

INDIRIZZO	DESTINAZIONE	CNC
APPOINT ADDRESS		CNC

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SEGNALE AVV.
UNITA C
UNIT C START
SIGNAL

SEGNALE AVV N. 64
UNITA C
UNIT C START
SIGNAL NO. 64

SEGNAL AVV N. 32
UNITA C
UNIT C START
SIGNAL NO. 32

SEGNALE AVV N. 16
UNITA C
UNIT C START
SIGNAL NO. 16

SEGNAL AVV N. 8
UNITA C
UNIT C START
SIGNAL NO. 8

SEGNAL AVV N. 4
UNITA C
UNIT C START
SIGNAL NO. 4

SEGNAL AVV N. 2
UNITA C
UNIT C START
SIGNAL NO. 2

SEGNAL E AVV N. 1
UNITA C
UNIT C START
SIGNAL NO. 1

[illegible]

NID233	SEGNAL. AVVIO UNITA C		315		
NID321	FUNZ. TRASF. UNITA C AVVIO N. 64	318			
NID322	FUNZ. TRASF. UNITA C AVVIO N. 32	318			
NID323	FUNZ. TRASF. UNITA C AVVIO N. 16	318			
NID324	FUNZ. TRASF. UNITA C AVVIO N. 8	318			
NID325	FUNZ. TRASF. UNITA C AVVIO N. 4	318			
NID326	FUNZ. TRASF. UNITA C AVVIO N. 2	318			
NID327	FUNZ. TRASF. UNITA C AVVIO N. 1	318			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	N3	30/66	PAGE	
	CONTENTS	TOYOCUC-ONE		412	
	DRAWING NO.	35-80777001-1			

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INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

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44801

N1RPT1
X75C
27001

D1
M15D
44801

9T300
TOA4
71504

7T200
T09C
63705

M1T19X
T009
10910

9D300
M3BA
71501

9T300
TOA4
71504

7D200
M2ED
63701

7T200
T096
63705

M1D17X
M01C
10901

M1T19X
T009
10910

M1D2G
M05E
13410

D481N
L1FF

D482N
L1FE

D490N
L22D

D550N
L23A

D551N
L239

D552N
L238

D558N
L232

D559N
L231

D560N
L230

D564N
L22C

DISATT. BACKGROUND
BACK GRAN OFF

PROTEZ.
PROGRAMMA ON
PROGRAM
PROTECT ON

USCITA
MANUT. PRODOTTO
PRODUCT MAINTENANCE
OUT PUT

CONT. 2 TEMPO CICLO
(CICLO RIPASS.)
CYCLE TIME 2 COUNT
(DRESSING CYCLE)

CONT. 1 TEMPO CICLO
(CICLO RAVV.)
CYCLE TIME 1 COUNT
(GRINDING CYCLE)

CONT. TOT. TEMPO CICLO
(CICLO AUTOM.)
ALL CYCLE TIME COUNT
(AUTO CYCLE)

RESET TEMPO CICLO 2
(CICLO RIPASS.)
CYCLE TIME 2 RESET
(DRESSING CYCLE)

RESET TEMPO CICLO 1
(CICLO RETTIF.)
CYCLE TIME 1 RESET
(GRINDING CYCLE)

RESET TOT. TEMPO CICLO
(CICLO AUTOM.)
ALL CYCLE TIME RESET
(AUTO CYCLE)

ORA CORRENTE
RUNNING HOUR

N3D481 N3D482 N3D490 N3D550 N3D551 N3D552 N3D558 N3D559 N3D560 N3D564

N1RPT1	EDIZ. MDI INS.	270
9T300	RAVVIVATURA	715
7T200	CICLORETTIFICA	637
M1T19X	CONT. TEMPI CICLO MACCHINA	109
9D300	RAVVIVATURA	715
7D200	CICLORETTIFICA	637
M1D17X	CONT. TEMPICICLO MACCHINA	109
M1D2G	CICLO AUTOM.	134

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	N3	34/66		PAGE
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	DRAWING NO.		35-80777001-1		

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INDIRIZZO DESTINAZIONE CNC
APPOINT ADDRESS CNC

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8D11
M308
66109

T1D201X
M179
48601

T1D202X
M17A
48602

T1D203X
M17B
48603

T1D204X
M17C
48605

T1D205X
M17D
48607

T1D206X
M17E
48609

7D101X
M28D
62201

M1D201X
M047
12801

D433NA
LIAF

D434N
LIAE

D435N
LIA D

D436N
LIA C

D437N
LIA B

D438N
LIA A

D439N
LIA 9

D440N
LIA 8

GUIDA 1
CONF. SOST. RETTIF. G170
GUIDANCE 1
GRIND.CHANGE CONFIRMATION G170

GUIDA 2
ARRESTO EMER. PO. PRINC. G171
GUIDANCE 2
MAIN OP.EMERGENCY STOP G171

GUIDA 3
ARRESTO EMERG. PO. SEC. G172
GUIDANCE 3
SUB OP.EMERGENCY STOP G172

GUIDA 4
CHIUS. ANTER. MACC. G173
GUIDANCE 4
FRONT DOOR CLOSE G173

GUIDA 5
CHIUS. SPORT. PROT. MOLA G174
GUIDANCE 5
WHEEL GUARD CLOSE G174

GUIDA 6
ARRESTO EMER. CARIC. G175
GUIDANCE 6
LOADER EMERGENCY STOP G175

GUIDA 7
INTERR. DISATT. SERVO G176
GUIDANCE 7
SERVO OFF SW.G176

GUIDA 8
SERVO ON G177
GUIDANCE 8
SERVO ON G177

N3D433 N3D434 N3D435 N3D436 N3D437 N3D438 N3D439 N3D440

8D11	CONFERMA SOSTITUZ. RETTIF.	661			
T1D201X	GUIDA ARRESTO EMERG. PO. PRINC.	486			
T1D202X	GUIDA ARRESTO EMERG. PO. SEC.	486			
T1D203X	GUIDA CHIUSURA ANTERIORE DI MACCH.	486			
T1D204X	GUIDA CHIUSURA PROTEZ. MOLA	486			
T1D205X	GUIDA ARRESTO EMERG. CARICATORE	486			
T1D206X	GUIDA INT. SERVO OFF	486			
7D101X	GUIDA SERVO ON	622			
M1D201X	SERVO ON GUIDA	128			

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	N3	35/66		PAGE
	CONTENTS		TOYOPUC-ONC		417
	DRAWING NO.		35-80777001-1		

INQUIRY TO: JWC 3333333333 DRAWING NO.: 35-80777001 OUTPUT: 08/01/24 UPDATE: 05/10/04

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INDIRIZZO DESTINAZIONE CNC
APPOINT ADDRESS CNC

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M1D12X
M019
10713

D449N
L1DF

ALLARME 1
GUASTO BATTERIA PLC G400
ALARM 1
PLC BATTERY FAULT G400

T1D3X
M15F
47107

N1D112
M13F
30710

D450N
L1DE

ALLARME 2
PRESS. ARIA BASSA G403
ALARM 2
AIR PRESSURE DOWN G403

D1
M15D
44801

D451N
L1DD

ALLARME 3
PRESS. OLIO IDR. BASSA G437
ALARM 3
HYD. OIL PRESSURE DOWN G437

T2D3X
M191
50906

N1D112
M13F
30710

D452N
L1DC

ALLARME 4
REFRIG. VUOTO G414
ALARM 4
COOLANT EMPTY G414

T1D6X
M161
47203

D453N
L1DB

ALLARME 5
PRESS. LUBR. BASSA G440
ALARM 5
LUBRICATION PRESSURE DOWN G440

7D3X
M2A7
61403

N1D112
M13F
30710

D454N
L1DA

ALLARME 6 GUASTO PRESS.
OLIO CUSC. MANDR. PORTAP. G443
ALARM 6 WHEEL SP. BEARINGS OIL
PRESSURE FAULT G443

T2D5X
M192
50910

N1D112
M13F
30710

D455N
L1D9

ALLARME 7
PRESS. REFRIG. BASSA G406
ALARM 7
COOLANT
PRESSURE DOWN G406

T2D6X
M193
51003

N1D112
M13F
30710

D456N
L1D8

ALLARME 8
GUASTO FLUS. REFRIG. G452
ALARM 8
COOLANT FLOW FAULT G452

1D8X
M1A0
52304

N1D112
M13F
30710

D457N
L1D7

ALLARME 9
SOBRACORSA CENTRO G410
ALARM 9
CENTER OVER TRAVEL G410

N1D546X
M103
28706

N1D112
M13F
30710

D458N
L1D6

ALLARME 10
DIS. SERVO PRONTO G489
ALARM 10
SERVO READY OFF G489

N3D449 N3D450 N3D451 N3D452 N3D453 N3D454 N3D455 N3D456 N3D457 N3D458

M1D12X	GUASTO BATTERIA PLC	107
T1D3X	PRESSIONE ARIA BASSA	471
N1D112	PROGRAMMA UNITA IN CORSO	307
T2D3X	REFRIG. VUOTO	509
T1D6X	PRESSIONE LUBRIF. BASSA (VITE)	472
7D3X	GUASTO PRESSIONE OLIO CUSC. MANDR. PORTAP.	614
T2D5X	BASSA PRESSIONE REFRIG.	509
T2D6X	GUASTO FLUSSO REFRIG.	510
1D8X	SOBRACORSA CENTRO CONTROPUNTA	523
N1D546X	SERVO PRONTO OFF	287

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	N3 37/66			PAGE
	CONTENTS	TOYOPUC-CNC			419
	DRAWING NO.	35-80777001-1			

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INDIRIZZO DESTINAZIONE CNC
APPOINT ADDRESS CNC

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1L1DW11X
M3BB
9408

N1D112
M13F
30710

D459N
L1D5

ALLARME 11
GUASTO COM. PLC G490
ALARM 11
PLC COMMUNICATION FAULT G490

N1D545X
M102
28704

N1D112
M13F
30710

D460N
L1D4

ALLARME 12
DIS. CNC PRONTO G491
ALARM 12
CNC READY OFF G491

N1D528X
M0FF
28606

D461N
L1D3

ALLARME 13
GUASTO BATTERIA CN G492
ALARM 13
NC BATTERY FAULT G492

4D18X
M1D9
54012

N1D112
M13F
30710

D462N
L1D2

ALLARME 14
GUASTO ROT. MAN. PROTAP. G473
ALARM 14
WORK SP. ROTATION FAULT G473

M1D25X
M021
11006

N1D112
M13F
30710

D463N
L1D1

ALLARME 15
TEMPO CICLO SCAD. G402
ALARM 15
CYCLE TIME OVER G402

M1D68X
M030
11701

N1D112
M13F
30710

D464N
L1D0

ALLARME 16
DIS. COND. ESEC. CICLO AUT. G425
ALARM 16
OFF OF AUTO CYCLE RUN
ONDI. G425

M1D83X
M038
12006

N1D112
M13F
30710

D465N
L1CF

ALLARME 17
DIS. COND. ESEC. CICLO G426
ALARM 17
OFF OF CYCLE RUN CONDI. G426

N1D1
M10E
29001

D466N
L1CE

ALLARME 18
ALARM 18

1D13X
M1A1
52308

D467N
L1CD

ALLARME 19
SPOST. INF. CENTRO G411
ALARM 19
CENTER UNDER TRAVEL G411

N3D459 N3D460 N3D461 N3D462 N3D463 N3D464 N3D465 N3D466 N3D467

N N N N N N N N N

1L1DW11X	DIFETTO COMUNICAZIONE PLC	94
N1D112	PROGRAMMA UNITAA IN CORSO	307
N1D545X	CNC PRONTOOFF	287
N1D528X	GUASTO BATTERIA CVC (ESEC. APPROV. PULS.)	286
4D18X	GUASTO ROTAZ. PEZZO	540
M1D25X	OLTREPASSARE DI TEMPO CICLO	110
M1D68X	COND. ESEC. CICLO AUTOM. OFF	117
M1D83X	COND. ESEC. CICLO AUTOM. OFF	120
N1D1	OFF FINITO	290
1D13X	SPOST. INF. CENTRO CONTROPUNTA	523

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FUNZIONE PC
PC-FUNCTION

INDIRIZZO	DESTINAZIONE	CNC
APPOINT ADDRESS		CNC

CNC
CNC

FD**X

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L1CL

D473N
L1C7

D474N
L1C6

D475N
L1C5

D476N
L1C4

D477N
L1C3

D478N
L1C2

D479N
L1C1

D480N
L1C0

CODICE ALLARME
128
ALARM CODE
128

CODICE ALLARME 64
ALARM CODE 64

CODICE ALLARME 32
ALARM CODE 32

CODICE ALLARME 16
ALARM CODE 16

CODICE ALLARME 8
ALARM CODE 8

CODICE ALLARME 4
ALARM CODE 4

CODICE ALLARME 2
ALARM CODE 2

CODICE ALLARME 1
ALARM CODE 1

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FUNZIONE PC
PC-FUNCTION

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CNC

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R009L

R09L

CODICE DI GUIDA
GUIDANCE CODE

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[illegible]

PER VISUALIZZAZIONE
1, 3, 4, 5

FOR
1, 3, 4. 5 DISPLAY

SEGNAL LAMP. 1
ARIA (L240)
LAMP SIGNAL 1
AIR (L240)

SEGALE LAMP. 2
REFRIG. (L241)
LAMP SIGNAL 2
COOLANT (L241)

SEGNAL LAMP. 3
SERVO CN PRONTO (L242)
LAMP SIGNAL 3
NC SERVO READY (L242)

SEGALE LAMP. 4
POS. PART. TESTA PORTAM. (L243)
LAMP SIGNAL 4
WHEEL HEAD HOME POSI. (L243)

SEGNAL LAMP. 5
ABIL. AVVIO (L244)
LAMP SIGNAL 5
ENABLE START (L244)

SEGALE LAMP. 6
ABIL. RETTIF. (L245)
LAMP SIGNAL 6
GRINDING ENABLE (L245)

SEGNALE LAMP. 7 POMPA ON(L246)
LAMP SIGNAL 7 POMP ON(L246)

SEGALE LAMP. 8
CONT. (L247)
LAMP SIGNAL 8
CONT. (L247)

N3D801	N3D802	N3D803	N3D804	N3D805	N3D806	N3D807	N3D808

T1DW5X	ARIA	471			
T2DW6X	REFRIGERANTE	510			
N1DW550X	SERVO CNCPRONTO (LAMP.)	287			
7DW25P	POSIZ. INIZIALETESTA PORTAM.	623			
M1DW24	OK PER AVVIARE (LAMPADA)	147			
7DW12	OK A CICLO RETTIF.	625			
T1DW5	POMPA ON (LAMPADA)	488			
M1DW1G	CONT. (LAMPADA)	134			

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
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INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

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N1DW200
M3D6
31101

D809
M788

SEGNAL LAMP. 9
CNC IN CORSO (L248)
LAMP SIGNAL 9
CNC RUNNING (L248)

7DW1
M3F7
62311

D810
M789

SEGNAL LAMP. 10
ROT MAN PORTAP (L249) (NON IN USO)
LAMP SIGNAL 10
WORK SP. ROTATING (L249) (NO USE)

9DW200
M40E
71114

D811
M78A

SEGNAL LAMP. 11
RAVV. (L24A)
LAMP SIGNAL 11
TRUING (L24A)

M1DW72
M3CB
15207

D812
M78B

SEGNAL LAMP. 12 CALC. DATI
RETTIF. IN CORSO (L24B)
LAMP SIGNAL 12 GRINDING DATA
CALCULATE IN PROGRESS (L24B)

N1DW85
M3D4
30511

D813
M78C

SEGNAL LAMP. 13
CAMPION. NON COMPLETA (L24C)
LAMP SIGNAL 13
SAMPLING NOT COMPLETE (L24C)

M1DW79
M3CC
15305

D814
M78D

SEGNAL LAMP. 14 COMP.
CAL. DATI RETTIF. (L24D)
LAMP SIGNAL 14 GRINDING DATA
CALCULATE COMPLETE (L24D)

M1DWK100
M40F
15602

D815
M78E

SEGNAL LAMP. 15
COMP. CAMPION. (L24E)
LAMP SIGNAL 15
SAMPLING COMPLETE (L24E)

N1DWK1
M411
30509

D816
M78F

SEGNAL LAMP. 16
MEMORIA TUTTE POS. COMP. (L24F)
LAMP SIGNAL 16
ALL POSI. MEMORY COMPLETE (L24F)

N3D809 N3D810 N3D811 N3D812 N3D813 N3D814 N3D815 N3D816

N1DW200	CN IN CORSO (LAMP.)	311
7DW1	ROTAZIONEMANDRINO PORTAM.	623
9DW200	RIPASSATURA	711
M1DW72	CALCOLO IN CORSO RETTIFICA DATI	152
N1DW85	CAMPIONATURA NON COMPLETATA (LAMP.)	305
M1DW79	CALCOLO COMPLETATO DATI RETTIFICA	153
M1DWK100	CAMP. COMPLETATA (LAMP.)	156
N1DWK1	CAMBIO WOLA POS. MEMORIA COMPLET. (LAMP.)	305

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
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INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

PER VISUALIZZAZIONE
1, 3, 4, 5

FOR
1, 3, 4, 5 DISPLAY

SEGNAL LAMP. 17
COMP. RAVV. GREZZA (L250)
LAMP SIGNAL17
ROUGH TRUING COMPLETE (L250)

SEGNAL LAMP. 18
CONTATTO RAVV. (L251)
LAMP SIGNAL18
TRUING CONTACT (L251)

SEGNAL LAMP. 19 ARR. MAND.
PORTAM OK PER APERT. SPORT. (L252)
LAMP SIGNAL19 STOP WHEEL SP OK
TO OPEN DOOR (L252)

SEGNAL LAMP. 20
COMP. RETTIF. (L253)
LAMP SIGNAL 20
GRINDING COMPLETE (L253)

SEGNAL LAMP. 21
CAMBJO (L254)
LAMP SIGNAL 21
SET UP (L254)

SEGNAL LAMP. 22
GUASTO BATTERIA (L255)
LAMP SIGNAL 22
BATTERY FAULT (L255)

SEGNAL LAMP. 23 PREV. SOST.
PERNO RULLO MOLA (L256)
LAMP SIGNAL 23 WHEEL ROLL PIN
CHANGE FORECAST (L256)

SEGNAL LAMP.
24 (L257)
LAMP SIGNAL
24 (L257)

9DWK1
M415
69201

D817
M790

9DW155
M40C
70512

D818
M791

7DW2
M3F8
62312

D819
M792

7DWK1
M414
62711

D820
M793

W1DW1SU
M475
10509

D821
M794

W1DW16X
M3C3
10806

D822
M795

8DW30X
M401
66008

D823
M796

8DW16X
M3FE
65903

D824
M797

N3D817 N3D818 N3D819 N3D820 N3D821 N3D822 N3D823 N3D824

9DWK1	COMPLETAM. RIPASSATURAGREZZA (LAMPADA)	692
9DW155	RAVVIV. CONTATTO (LAMPADA)	705
7DW2	ARRESTO APERTURA LIBERASPORT. MANDR. PORTAM.	623
7DWK1	RETTIFICACOMPLETATA	627
W1DW1SU	CAMBJO	105
W1DW16X	GUASTO BATTERIA (LAMPADA)	108
8DW30X	PREVISIONE SOSTITUZ. (LAMPADA)	660
8DW16X	PREVISIONE SOSTIT. RULLO RIPASSATURA	659

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INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

8DW3X
M3FD
65806

D825
M798

SEGNAL LAMP. 25
PREV. SOST. MOLA (L258)
LAMP SIGNAL25
WHEEL CHANGE FORECAST (L258)

8DW20X
M3FF
65906

D826
M799

SEGNAL LAMP. 26 PREV.
SOST. RULLO DIAM. (L259)
LAMP SIGNAL26 DIAMOND ROLL CHANGE
FORECAST (L259)

8DW24X
M400
66003

D827
M79A

SEGNAL LAMP. 27
PREV. SOST. PERNO CONT. (L25A)
LAMP SIGNAL27
CONTACT PIN CHANGE FORECAST (L25A)

6DW9P
M3F5
58406

D828
M79B

SEGNAL LAMP. 28
SBLOCC. LAT. SIN. MACC. (L25B)
LAMP SIGNAL28
M/C SIDE DOOR OPEN (L25B)

N1D1
M10E
29001

D829
M79C

SEGNAL LAMP. 29
ARRESTO EMER. RIPASS. (L25C)
LAMP SIGNAL29
DRESSING EMERGENCY STOP (L25C)

N1DW533X
M3D0
28701

D830
M79D

SEGNAL LAMP. 30
GUASTO BATTERIA CNC (L25D)
LAMP SIGNAL30
CNC BATTERY FAULT (L25D)

N1DW15X
M3C2
10805

D831
M79E

SEGNAL LAMP. 31
GUASTO BATTERIA PLC (L25E)
LAMP SIGNAL31
PLC BATTERY FAULT (L25E)

IL1DW11X
M3BB
9408

D832
M79F

SEGNAL LAMP. 32
GUASTO COM. PC (L25F)
LAMP SIGNAL32
PC COMMUNICATION FAULT (L25F)

N3D825 N3D826 N3D827 N3D828 N3D829 N3D830 N3D831 N3D832

8DW3X	PREVISIONE SOSTIT. MOLA	658
8DW20X	PREVISIONE SOSTIT. RULLO DIAMANTE	659
8DW24X	PREVISIONE SOSTIT. PERNO CONTATTO	660
6DW9P	POSIZ. REGOL. TAVOLA	584
N1D1	OFF FINTO	290
N1DW533X	GUASTO BATTERIA CNC (LAMP.)	287
N1DW15X	CAMBIO BATTERIA PLC	108
IL1DW11X	DIFETTO COMUNICAZIONE PLC	94

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INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

PER VISUALIZZAZIONE 3, 4

FOR
3. 4 DISPLAY

5DW1P
M3F1
57603

D833
M7A0

SEGNALE LAMP. 33
APERT. SPORTELLLO (L260)
LAMP SIGNAL33
OPEN DOOR(L260)

5DW2P
M3F2
57605

D834
M7A1

SEGNALE LAMP. 34
CHIUS. SPORTELLO (L261)
LAMP SIGNAL34
CLOSE DOOR(L261)

1DW1P
M3E4
52708

D835
M7A2

SEGNALE LAMP. 35
RET. CENTR. CONTROP. (L262)
LAMP SIGNAL35
RET. FOOTSTOCK CENTR(L262)

1DW2P
M3E5
52710

D836
M7A3

SEGNALE LAMP. 36
AVANZ. CENTRO CONTR. (L263)
LAMP SIGNAL36
ADV. FOOTSTOCK CENTER(L263)

4DW15P
M3E6
54805

D837
M7A4

SEGNALE LAMP. 37
RET. TESTA PORTAP. (L264)
LAMP SIGNAL37
WORK HEAD RET. (L264)

4DW16P
M3E8
54807

D838
M7A5

SEGNALE LAMP. 38
AVAN. TESTA PORTAP. (L265)
LAMP SIGNAL38
WORK HEAD ADV. (L265)

4DW11P
M3E8
54801

D839
M7A6

SEGNALE LAMP. 39
RIT. LUNETTA (L266)
LAMP SIGNAL39
RETURN REST(L266)

4DW12P
M3E9
54803

D840
M7A7

SEGNALE LAMP. 40
AVANZ. LUNETTA (L267)
LAMP SIGNAL40
ADVANCE REST(L267)

N3D833 N3D834 N3D835 N3D836 N3D837 N3D838 N3D839 N3D840

5DW1P	SPORTELLLO APERTO	576
5DW2P	SPORTELLLO CHIUSO	576
1DW1P	CENTRO CONTROPUNTARIT. (LAMPADA)	527
1DW2P	CENTRO CONTROPUNTAAYAN. (LAMPADA)	527
4DW15P	RIT. TESTA PORTAP. (LAMPADA)	548
4DW16P	AV. TESTA PORTAP. (LAMPADA)	548
4DW11P	RIT. LUN. AUTOM.	548
4DW12P	AVANZ. LUN. AUTOM.	548

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FUNZIONE PC
PC FUNCTION

4DWK2
M413
55805

D841
M7A8

SEGNAL LAMP. 41
INS. PERNO COMANDO (L268)
LAMP SIGNAL41
DRIVE PIN IN(L268)

7DW20
M3FA
62608

D842
M7A9

SEGNAL LAMP. 42
CICLO RETTIF. (L269)
LAMP SIGNAL42
GRINDING CYCLE(L269)

1DW11P
M3E6
52712

D843
M7AA

SEGNAL LAMP. 43
RIL. MANDRINO (L26A)
LAMP SIGNAL43
UNCLAMP CHUCK(L26A)

1DW12P
M3E7
52715

D844
M7AB

SEGNAL LAMP. 44
AGG. MANDRINO (L26B)
LAMP SIGNAL44
CLAMP CHUCK(L26B)

6DW3P
M3F3
58401

D845
M7AC

SEGNAL LAMP. 45 RET.
FIS. MAN. PORTAP. TAV. (L26C)
LAMP SIGNAL45
TABLE WORK SP FIXED RET. (L26C)

6DW4P
M3F4
58404

D846
M7AD

SEGNAL LAMP. 46
IND. MAND. PORTAP. TAV. (L26D)
LAMP SIGNAL46
TABLE WORK SP INDEX(L26D)

N1D1
M10E
29001

D847
M7AE

SEGNAL LAMP. 47
(L26E)
LAMP SIGNAL47
(L26E)

N1D1
M10E
29001

D848
M7AF

SEGNAL LAMP. 48
(L26F)
LAMP SIGNAL48
(L26F)

N3D841 N3D842 N3D843 N3D844 N3D845 N3D846 N3D847 N3D848

4DWK2	INSERIMENTO PERNOCOMANDO (LAMPADA)	558
7DW20	CICLORETTIFICA	626
1DW11P	MANDRINO RIL. (LAMPADA)	527
1DW12P	MANDRINO AGG. (LAMPADA)	527
6DW3P	RIT. TAVOLA - MANDR. PORTAP. (LAMPADA)	584
6DW4P	INDICE TAVOLA - MANDR. PORTAP. (LAMPADA)	584
N1D1	OFF FINTO	290

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
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INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

PER VISUALIZZAZIONE 3, 4, 5

FOR
3.4.5
DISPLAY
SEGNALE LAMP. 49
AVVIO MAND. PORTAP. (L270)
LAMP SIGNAL49
START WORK SP. (L270)
SEGNALE LAMP. 50
ARRESTO MAND. PORTAP. (L271)
LAMP SIGNAL50
STOP WORK SP. (L271)
SEGNALE LAMP. 51
AVVIO RULLO DIAM. (L272)
LAMP SIGNAL51
START DIAMOND ROLL (L272)
SEGNALE LAMP. 52
ARRESTO RULLO DIAM. (L273)
LAMP SIGNAL52
STOP DIAMOND ROLL (L273)
SEGNALE LAMP. 53
AVVIO RIP. GREZZA AUT. (L274)
LAMP SIGNAL53
START AUTO ROUGH DRESSING (L274)
SEGNALE LAMP. 54
POS. MEMORIA AUTOM. (L275)
LAMP SIGNAL54
AUTO POSI. MEMORY (L275)
SEGNALE LAMP. 55
AVVIO RIPASS. GREZZA (L276)
LAMP SIGNAL55
START ROUGH DRESSING (L276)
SEGNALE LAMP. 56
ARRESTO RIP. GREZZA (L277)
LAMP SIGNAL56
STOP ROUGH DRESSING (L277)

4DW25
M3EE
55107

D849
M7B0

4DW26
M3EF
55109

D850
M7B1

9DW127
M40A
70204

D851
M7B2

9DW126
M409
70201

D852
M7B3

9DW199
M40D
71105

D853
M7B4

N1DW20
M3D3
29407

D854
M7B5

9DW40
M406
69105

D855
M7B6

9DW42A
M407
69110

D856
M7B7

N3D849 N3D850 N3D851 N3D852 N3D853 N3D854 N3D855 N3D856

4DW25	AVVIOMANDRINO PORTAP. (LAMP.)	551
4DW26	ARRESTOMANDR. PORTAP. (LAMPADA)	551
9DW127	AVVIAM. RULLODIAMANTE (LAMPADA)	702
9DW126	ARRESTO RULLODIAMANTE (LAMPADA)	702
9DW199	AVVIAM. RAVVIV. GREZZA (LAMPADA)	711
N1DW20	MEMORIA POSIZ. AUTOM. (LAMP.)	294
9DW40	AVVIAM. RAVVIV. GREZZA MANUALE (LAMPADA)	691
9DW42A	ARRESTO RIPASSATURA GREZZA (LAMPADA)	691

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INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

M1DW100
M3CD
15601

D857
M7B8

SEGNAL LAMP. 57
CAMPIONATURA PROFILO (L278)
LAMP SIGNAL57
PROFILE SAMPLING (L278)

9DW80
M408
69505

D858
M7B9

SEGNAL LAMP. 58
APPR. CONT. RAVV. (L279)
LAMP SIGNAL58
TRUING CONTACT APPROACH (L279)

9DW20
M405
68813

D859
M7BA

SEGNAL LAMP. 59
AVVIO CICLO RAVV. (L27A)
LAMP SIGNAL59
START TRUING CYCLE (L27A)

8DW20
M402
66401

D860
M7BB

SEGNAL LAMP. 60
RIT. SOST. RETTIF. (L27B)
LAMP SIGNAL60
GRIND.CHANGE RETURN (L27B)

8DW80
M403
67001

D861
M7BC

SEGNAL LAMP. 61
RIT. SOST. RULLO (L27C)
LAMP SIGNAL61
ROLL CHANGE RET. (L27C)

8DW100
M404
67401

D862
M7BD

SEGNAL LAMP. 62
RIT. SOST. PERNO (27D)
LAMP SIGNAL62
PIN CHANGE RET. (27D)

N1D1
M10E
29001

D863
M7BE

SEGNAL LAMP. 63
RESET ANOMALIE (L27E)
LAMP SIGNAL63
FAULT RESET (L27E)

N1DW10
M3D2
29202

D864
M7BF

SEGNAL LAMP. 64
MEMORIA POS. (L27F)
LAMP SIGNAL64
POST. MEMORY (L27F)

N3D857 N3D858 N3D859 N3D860 N3D861 N3D862 N3D863 N3D864

M1DW100	CAMP. PROFILO (LAMP.)	156		
9DW80	AVVIAV. APPROCCIOCONTATTO (LAMPADA)	695		
9DW20	AVVIAMENTO RAVVIVATURA (LAMPADA)	688		
8DW20	SOSTITUZIONEMOLA RITORNO	664		
8DW80	SOSTITUZIONE RULLODIAMANTE RIT.	670		
8DW100	SOSTITUZIONE PERNOCONTATTO RIT.	674		
N1D1	OFF FINTO	290		
N1DW10	MEMORIA POSIZ. (LAMP.)	292		

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	CONTENTS		TOYOPLO-CNC		433
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INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

PER VISUALIZZAZIONE 1, 2

FOR
1.2 DISPLAY

SEGNALE LAMP. 65
ALIMENTAZIONE (L260)
LAMP SIGNAL65
POWER (L260)

SEGNALE LAMP. 66
ESEC. PLC (L261)
LAMP SIGNAL66
PLC RUN (L261)

SEGNALE LAMP. 67
CONT. (L262)
LAMP SIGNAL67
CONTI. (L262)

SEGNALE LAMP. 68
SEMI AUTO (L263)
LAMP SIGNAL68
SEMI AUTO (L263)

SEGNALE LAMP. 69
MANUALE (L264)
LAMP SIGNAL69
MANUAL (L264)

SEGNALE LAMP. 70
RISPARMIO ENER. (L265)
LAMP SIGNAL70
POWER SAVING (L265)

SEGNALE LAMP. 71
POS. PART. TUTTE UNITA (L266)
LAMP SIGNAL71
ALL UNIT HOME OSI (L266)

SEGNALE LAMP. 72
PRESENZA PEZZI (L267)
LAMP SIGNAL72
PARTS PRESENT (L267)

T1DW35
M3DC
49113

D865
M7E0

M1DW10X
M3C1
10709

D866
M7E1

M1DW1A
M3BC
10405

D867
M7E2

M1DW2A
M3BD
10408

D868
M7E3

M1DW1H
M3BE
10504

D869
M7E4

T1DW6
M3DA
48902

D870
M7E5

M1DW3P
M3C6
13108

D871
M7E6

M1DW11
M3C5
13008

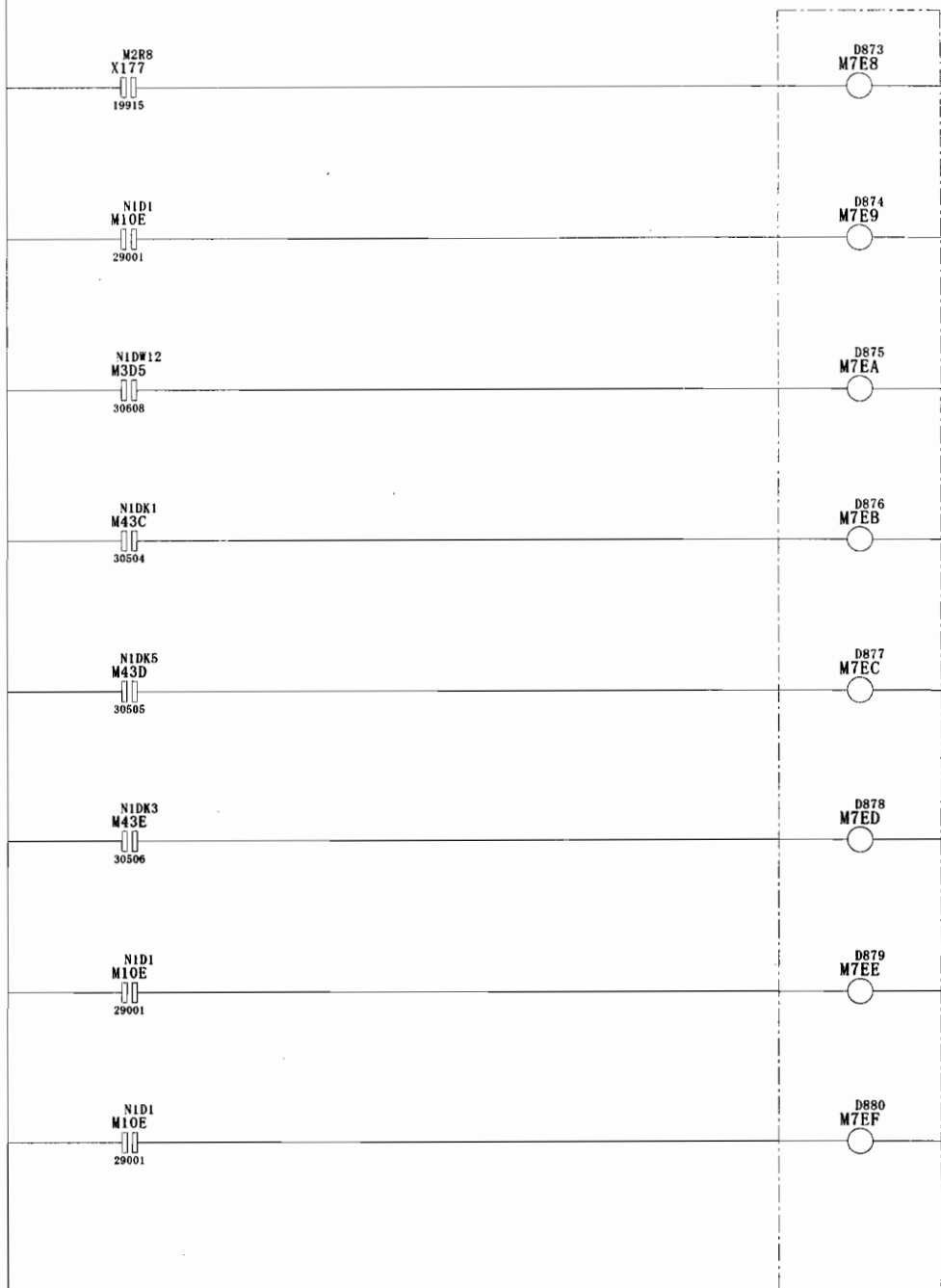
D872
M7E7

N3D865 N3D866 N3D867 N3D868 N3D869 N3D870 N3D871 N3D872

T1DW35	ALIMENTAZIONE (LAMPADA)	491		
M1DW10X	ESEC. PLC	107		
M1DW1A	AUTO (LAMPADA)	104		
M1DW2A	SEMI AUTO (LAMP.)	104		
M1DW1H	MANUALE (LAMPADA)	105		
T1DW6	RISPARMIO ENERGIA (LAMPADA)	489		
M1DW3P	POS. PART. TUTTE UNITA (LAMPADA)	131		
M1DW11	CONF. PRESENZA PEZZA	130		

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INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

SEGNALE LAMP. 73
NON INTER. CARIC. (L768)
LAMP SIGNAL73
LOADER NON INTERFERENCE (L768)

SEGNALE LAMP. 74 (L769)
LAMP SIGNAL74 (L769)

SEGNALE LAMP. 75
MEM. POS. AUTOM. (L76A)
LAMP SIGNAL75
POSITION MEMORY AUTO (L76A)

SEGNALE LAMP. 76
DIAM. MOLA MEM. POSIZ. (L76B)
LAMP SIGNAL76
POSI. MEMORY WHEEL DIAMETER (L76B)

SEGNALE LAMP. 77
RULLO DIAM. MEM. POS. (L76C)
LAMP SIGNAL77
POSI. MEMORY DIAMOND ROLL (L76C)

SEGNALE LAMP. 78
PER. CONT. MEM. POS. (L76D)
LAMP SIGNAL78
POSI. MEMORY CONTACT PIN (L76D)

SEGNALE LAMP. 79
M. S. P. CQ (L76E)
LAMP SIGNAL79
QUALITY CHECK M. S. P (L76E)

SEGNALE LAMP. 80
IF CONTR. QUALITA (L76F)
LAMP SIGNAL80
QUALITY CHECK IF (L76F)

[illegible]

M2R8	POS. NON INTERF. DEPOSITO	199		
N1D1	OFF FINTO	290		
N1DW12	POSIZ. MEMORIA AUTOM. COMPL.	306		
N1DK1	DIAM. MOLA POSIZ. MEMORIA (LAMP.)	305		
N1DK5	RULLO DIAM. POSIZ. MEMORIA (LAMP.)	305		
N1DK3	PERNO CONTATTO POSIZ. MEM. (LAMP.)	305		

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
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	CONTENTS	TOYFLUG-ONE			435
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INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

PER VISUALIZZAZIONE 1, 2

FOR
1. 2 DISPLAY

SEGNALE LAMP. 81 (L270)
LAMP SIGNAL81 (L270)

SEGNALE LAMP. 82 (L271)
LAMP SIGNAL82 (L271)

SEGNALE LAMP. 83
ROTAZ. RULLO DIAM. (L272)
LAMP SIGNAL83
DIAMOND ROLL ROTATING (L272)

SEGNALE LAMP. 84 (L273)
LAMP SIGNAL84 (L273)

SEGNALE LAMP. 85 (L274)
LAMP SIGNAL85 (L274)

SEGNALE LAMP. 86 (L275)
LAMP SIGNAL86 (L275)

SEGNALE LAMP. 87
ATT. BLOC. SPORT. ANT. (L276)
LAMP SIGNAL87
FRONT DOOR LOCK ON (L276)

SEGNALE LAMP. 88
ANTERIORE MACCHINA (L277)
LAMP SIGNAL88
FRONT DOOR OPEN (L277)

N1D1
M10E
29001

D881
M7F0

N1D1
M10E
29001

D882
M7F1

9DW128
M40B
70206

D883
M7F2

N1D1
M10E
29001

D884
M7F3

N1D1
M10E
29001

D885
M7F4

N1D1
M10E
29001

D886
M7F5

T1W43
Y141
49310

D887
M7F6

T1D48
M189
49307

D888
M7F7

N3D881 N3D882 N3D883 N3D884 N3D885 N3D886 N3D887 N3D888

N1D1	OFF FINTO	290
9DW128	AVVIA. RULLODIAMANTE (LAMPADA)	702
T1W43	SBLOCCAGGIOSPORTELLO	493
T1D48	ANTERIORE DIMACCHINA APERTO	493

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INDIRIZZO DESTINAZIONE
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T1DW56
M3E0
49506

D889
M7F8

SEGNALE LAMP. 89
ATTIV. BLOC. PROT. MOLA (L278)
LAMP SIGNAL89
WHEEL GUARD LOCK ON(L278)

T1DW57
M3E1
49507

D890
M7F9

SEGNALE LAMP. 90
APERT. PROT. MOLA (L279)
LAMP SIGNAL90
WHEEL GUARD OPEN(L279)

N1D1
M10E
29001

D891
M7FA

SEGNALE LAMP. 91 (L27A)
LAMP SIGNAL91(L27A)

N1D1
M10E
29001

D892
M7FB

SEGNALE LAMP. 92 (L27B)
LAMP SIGNAL92(L27B)

T1DW1E
M3DF
49203

D893
M7FC

SEGNALE LAMP. 93
ARRESTO EMERG. (L27C)
LAMP SIGNAL93
EMERGENCY STOP(L27C)

T1DW2E
M3DD
49201

D894
M7FD

SEGNALE LAMP. 94
ARR. EMER. PO PRIN. (L27D)
LAMP SIGNAL94
MAIN OP. EMERGENCY STOP(L27D)

T1DW3E
M3DE
49202

D895
M7FE

SEGNALE LAMP. 95
ARR. EMER. PO. SEC. (L27E)
LAMP SIGNAL95
SUB OP. EMERGENCY STOP(L27E)

T1DW1E
M3DF
49203

D896
M7FF

SEGNALE LAMP. 96
ARRESTO EMER. (L27F)
LAMP SIGNAL96
EMERGENCY STOP(L27F)

N3D889 N3D890 N3D891 N3D892 N3D893 N3D894 N3D895 N3D896

T1DW56	BLOCCO PROTEZIONE MOLA (LAMPADA)	495
T1DW57	PROTEZIONE MOLA APERTA (LAMPADA)	495
N1D1	OFF FINTO	290
T1DW1E	ARRESTO EMERG. (LAMPADA)	492
T1DW2E	ARRESTO EMERGENZA PO. PRINCIP. (LAMPADA)	492
T1DW3E	ARRESTO EMERGENZA PO. SEC. (LAMPADA)	492

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PER VISUALIZZAZIONE 5

FOR
5 DISPLAY

SEGNALE LAMP. 97
ATTIVAZ. CICLO PROVA (L260)
LAMP SIGNAL97
TEST CYCLE ON(L260)

SEGALE LAMP. 98
LUN. INTERM. SIN. (L261)
LAMP SIGNAL98
REST JOG LEFT(L261)

SEGNALE LAMP. 99
AVVIO CICLO PROFILO (L262)
LAMP SIGNAL99
START PROFILE CYCLE (L262)

SEGNAL E LAMP. 100
ARRESTO CICLO PROFILO (L263)
LAMP SIGNAL 100
STOP PROFILE CYCLE (L263)

SEGALE LAMP. 101
MAN. CICLO PROF. VAL. (L264)
LAMP SIGNAL 101
PROFILE CYCLE HANDLE VALID(L264)

SEGALE LAMP. 102 MAN. CICLO
PROFILO NON VAL. (L265)
LAMP SIGNAL 102 PROFILE CYCLE
HANDLE INVALID(L265)

SEGALE LAMP. 103
LUN. INTER. DESTRA (L266)
LAMP SIGNAL 103
REST JOG RIGHT (L266)

SEGNAL LAMP. 104
CICLO SING. AUTOM. (L267)
LAMP SIGNAL 104
SINGLE AUTO CYCLE (L267)

[illegible][illegible]

DILUTING VOL. OF STANDARD:

[illegible]

D905
M7C8

D906
M7C9

D907
M7CA

D908
M7CB

D909
M7CC

D910
M7CD

D911
M7CE

D912
M7CF

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INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

4DW18P
M3ED
54903

D920
M7D0

SEGNAL LAMP. 120
AVAN. LUN. DESTRA (L240)
LAMP SIGNAL 120
RIGHT REST ADV. (L240)

4DW17P
M3EC
54901

D921
M7D1

SEGNAL LAMP. 121
RET. LUN. DESTRA (L241)
LAMP SIGNAL 121
RIGHT REST RET. (L241)

N1D1
M10E
29001

D922
M7D2

SEGNAL LAMP. 122
AVANZ. LUN. SIN. (L242)
LAMP SIGNAL 122
LEFT REST ADV. (L242)

N1D1
M10E
29001

D923
M7D3

SEGNAL LAMP. 123
RET. LUN. SINISTRA (L243)
LAMP SIGNAL 123
LEFT REST RET. (L243)

N1D1
M10E
29001

D924
M7D4

SEGNAL LAMP. 124
SBLOCCO LUNETTA (L244)
LAMP SIGNAL 124
REST UNLOCK (L244)

N1D1
M10E
29001

D925
M7D5

SEGNAL LAMP. 125
BLOCCO LUNETTA (L245)
LAMP SIGNAL 125
REST LOCK (L245)

T1DW5A
M3D9
48901

D926
M7D6

SEGNAL LAMP. 126
POMPA ON (L246)
LAMP SIGNAL 126
PUMP ON (L246)

N1DWK2
M412
30510

D927
M7D7

SEGNAL LAMP. 127
MEMORIA TUTTE POS. COMP. (L247)
LAMP SIGNAL 127
ALL POSI. MEMORY COMPLETE (L247)

N3D920 N3D921 N3D922 N3D923 N3D924 N3D925 N3D926 N3D927

4DW18P	AVANZ. LUN. (LAMPADA)	549		
4DW17P	RET. LUN. (LAMPADA)	549		
N1D1	OFF FINTO	290		
T1DW5A	POMPA ON (LAMPADA)	489		
N1DWK2	CAMBIO WOLA POS. MEMORIA COMPLET. (LAMP.)	305		

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ENDING 10 OF SEQUENCE

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INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

N1D1
M10E
29001

D935
M7DF

LAMP SIGNAL 135 (L24F)

N1D1	OFF FINTO	290			
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FUNZIONE PC
PC-FUNCTION

INDIRIZZO DESTINAZIONE
APPOINT ADDRESS

UNITA' A CNC
CNC A UNIT

D649N
L297

SCAVALC. RETTIFICA
UNITA A 128
A UNIT
GRINDING OVER RIDE 128

D650N
L296

SCAVALC. RETTIFICA
UNITA A 64
A UNIT
GRINDING OVER RIDE 64

D651N
L295

SCAVALC. RETTIFICA
UNITA A 32
A UNIT
GRINDING OVER RIDE 32

D652N
L294

SCAVALC. RETTIFICA
UNITA A 16
A UNIT
GRINDING OVER RIDE 16

D653N
L293

SCAVALC. RETTIFICA
UNITA A 8
A UNIT
GRINDING OVER RIDE 8

D654N
L292

SCAVALC. RETTIFICA
UNITA A 4
A UNIT
GRINDING OVER RIDE 4

D655N
L291

SCAVALC. RETTIFICA
UNITA A 2
A UNIT
GRINDING OVER RIDE 2

D656N
L290

SCAVALC. RETTIFICA
UNITA A 1
A UNIT
GRINDING OVER RIDE 1

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FUNZIONE PC
PC-FUNCTION

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UNITA' B CNC
CNC B UNIT

D713N
L2D7

SCAVALC. RETTIFICA
UNITA B 128
B UNIT
GRINDING OVER RIDE 128

D714N
L2D6

SCAVALC. RETTIFICA
UNITA B 64
B UNIT
GRINDING OVER RIDE 64

D715N
L2D5

SCAVALC. RETTIFICA
UNITA B 32
B UNIT
GRINDING OVER RIDE 32

D716N
L2D4

SCAVALC. RETTIFICA
UNITA B 16
B UNIT
GRINDING OVER RIDE 16

D717N
L2D3

SCAVALC. RETTIFICA
UNITA B 8
B UNIT
GRINDING OVER RIDE 8

D718N
L2D2

SCAVALC. RETTIFICA
UNITA B 4
B UNIT
GRINDING OVER RIDE 4

D719N
L2D1

SCAVALC. RETTIFICA
UNITA B 2
B UNIT
GRINDING OVER RIDE 2

D720N
L2D0

SCAVALC. RETTIFICA
UNITA B 1
B UNIT
GRINDING OVER RIDE 1

N3D713	N3D714	N3D715	N3D716	N3D717	N3D718	N3D719	N3D720
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FUNZIONE PC
PC-FUNCTION

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100	100

UNITA' C CNC
CNC C UNIT

D777N
L317

SCAVALC. RETTIFICA
UNITA C 128
C UNIT
GRINDING OVER RIDE 128

D778N
L316

SCAVALC. RETTIFICA
UNITA C 64
C UNIT
GRINDING OVER RIDE 64

D779N
L315

SCAVALC. RETTIFICA
UNITA C 32
C UNIT
GRINDING OVER RIDE 32

D780N
L314

SCAVALC. RETTIFICA
UNITA C 16
C UNIT
GRINDING OVER RIDE 16

D781N
L313

SCAVALC. RETTIFICA
UNITA C 8
C UNIT
GRINDING OVER RIDE 8

D782N
L312

SCAVALC. RETTIFICA
UNITA C 4
C UNIT
GRINDING OVER RIDE 4

D783N
L311

SCAVALC. RETTIFICA
UNITA C 2
C UNIT
GRINDING OVER RIDE 2

D784N
L310

SCAVALC. RETTIFICA
UNITA C 1
C UNIT
GRINDING OVER RIDE 1

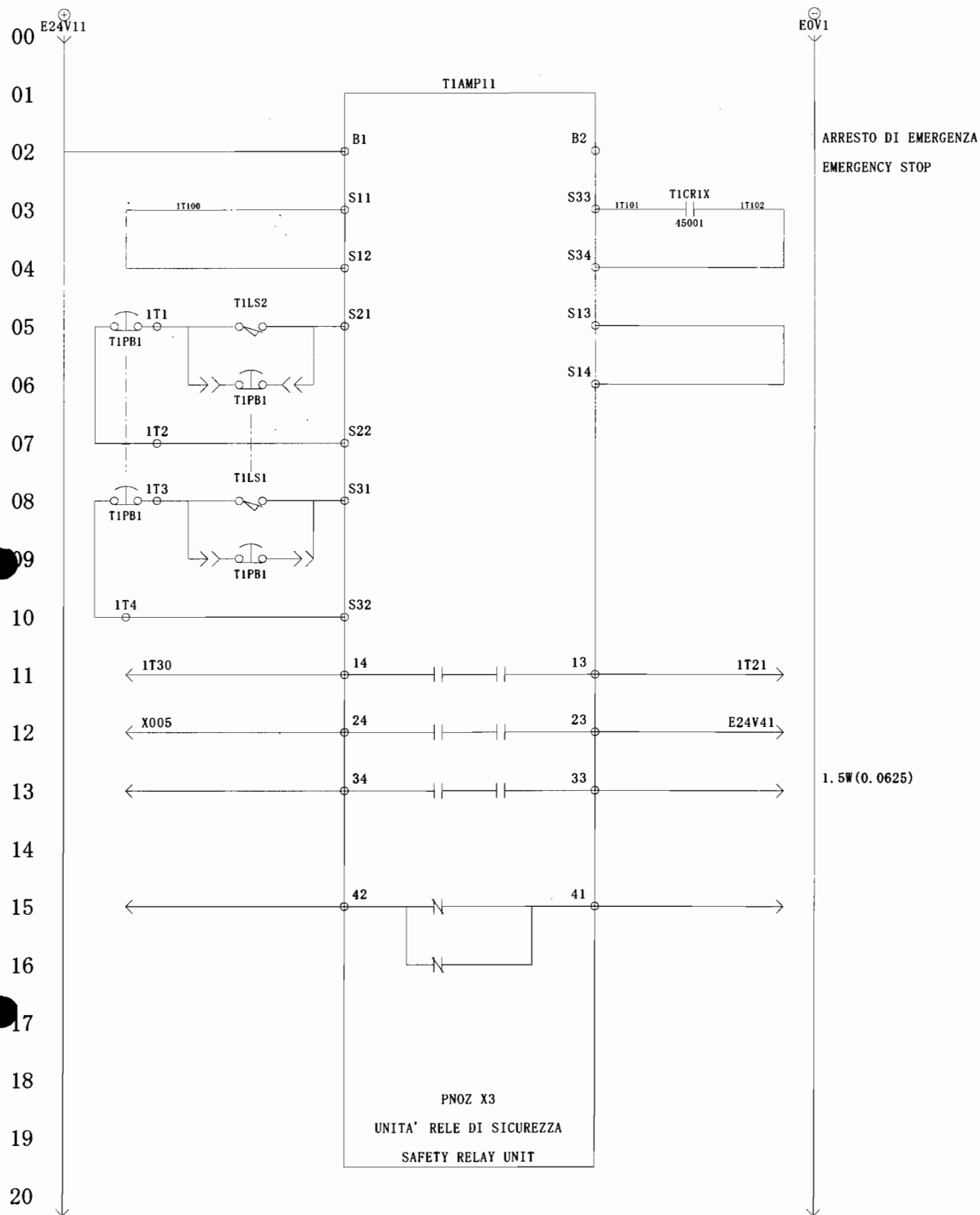
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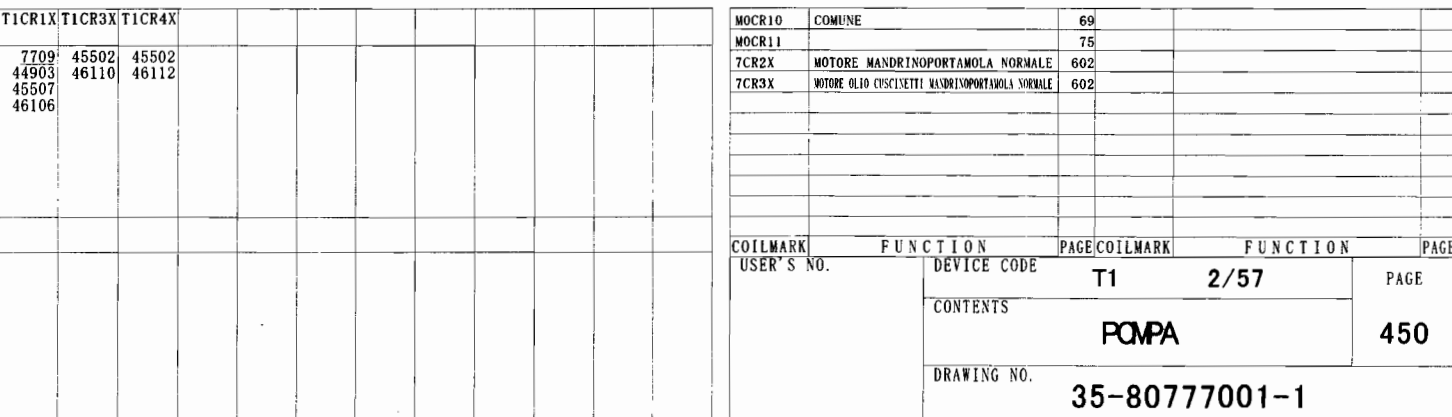
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	CONTENTS	TOYOPLUG-ONE			448
	DRAWING NO.	35-80777001-1			

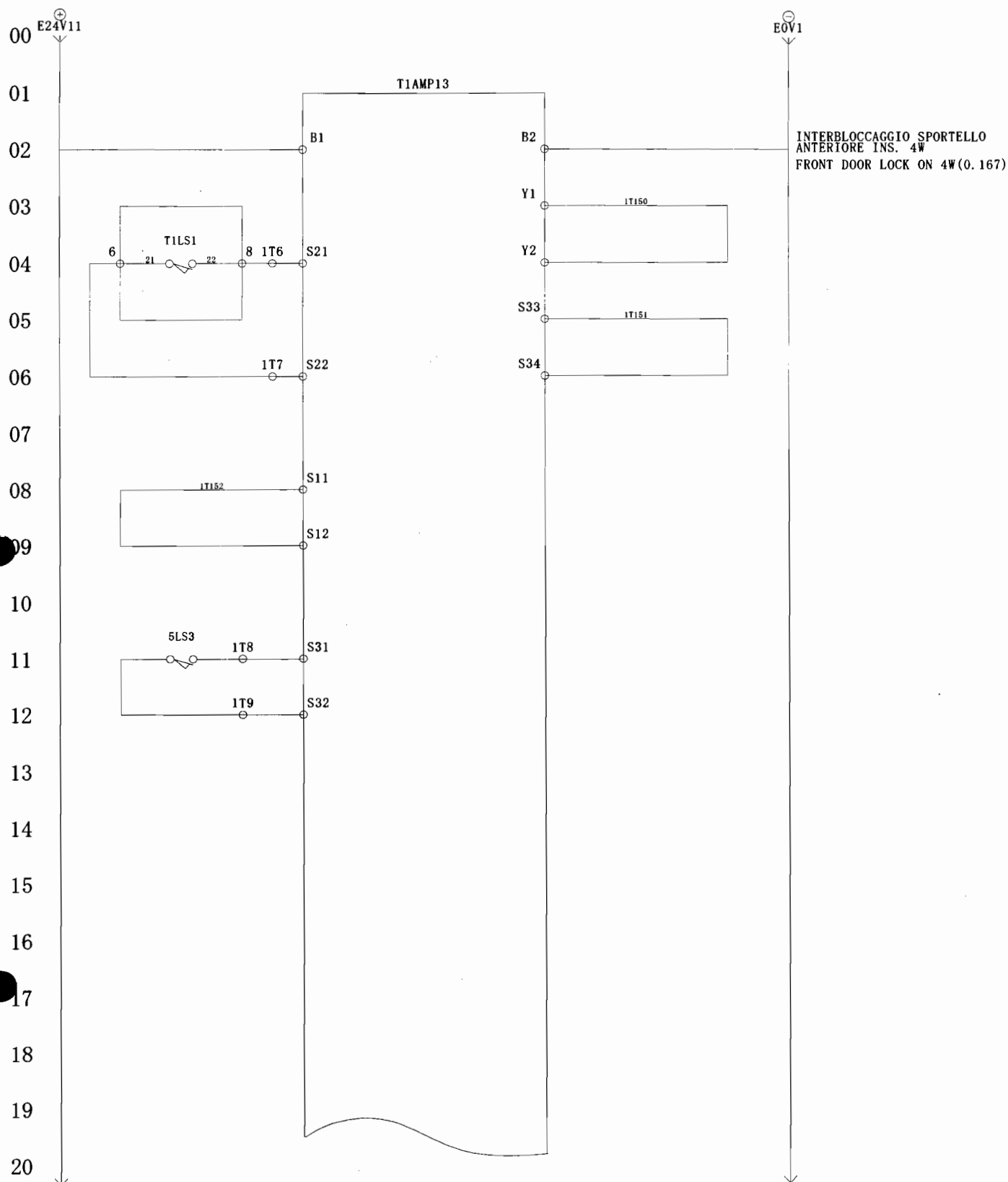
DRIVING VOL. OF SLURRY:

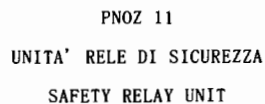
[illegible]

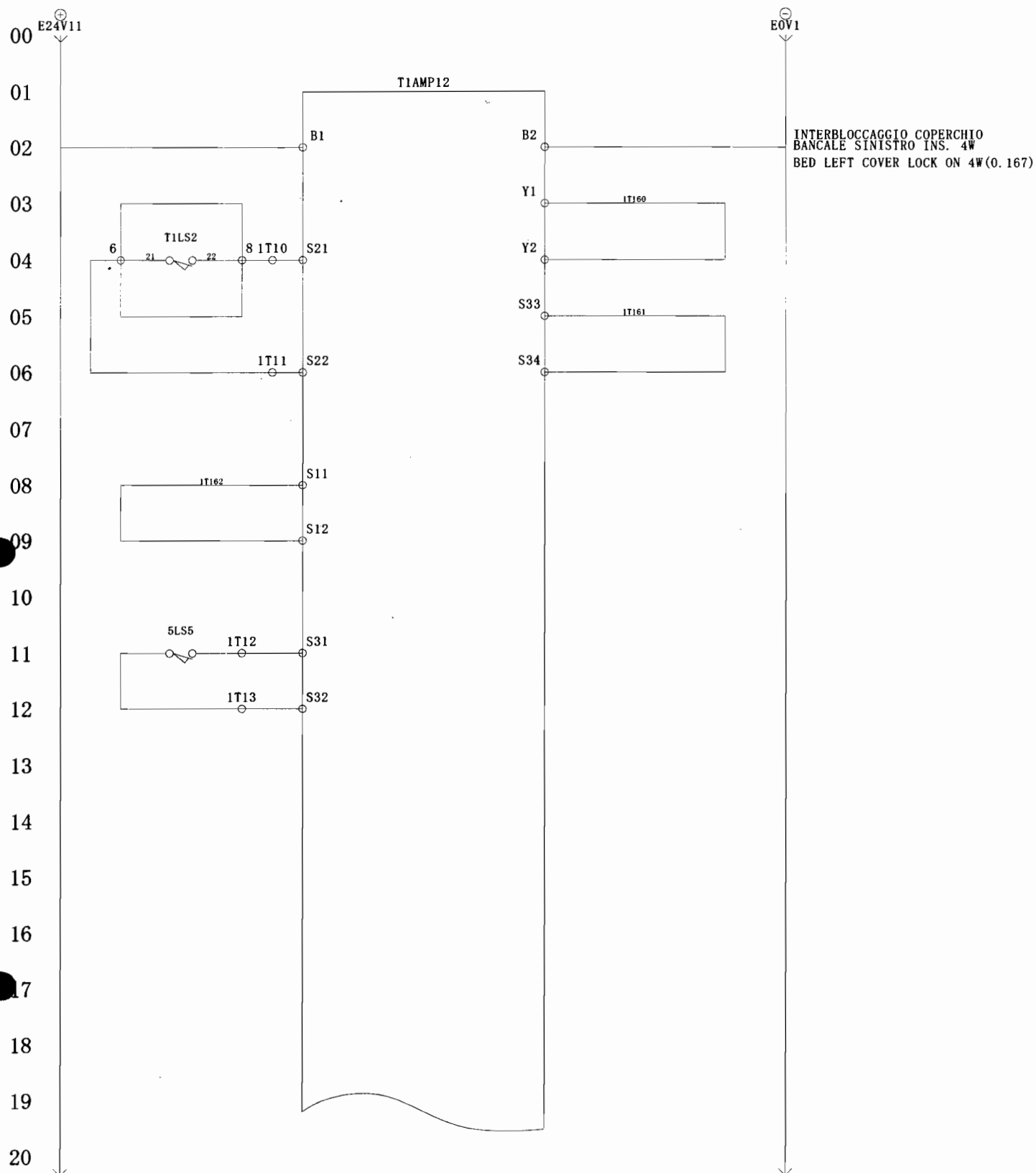
DRIVING M. OF STUDENT:



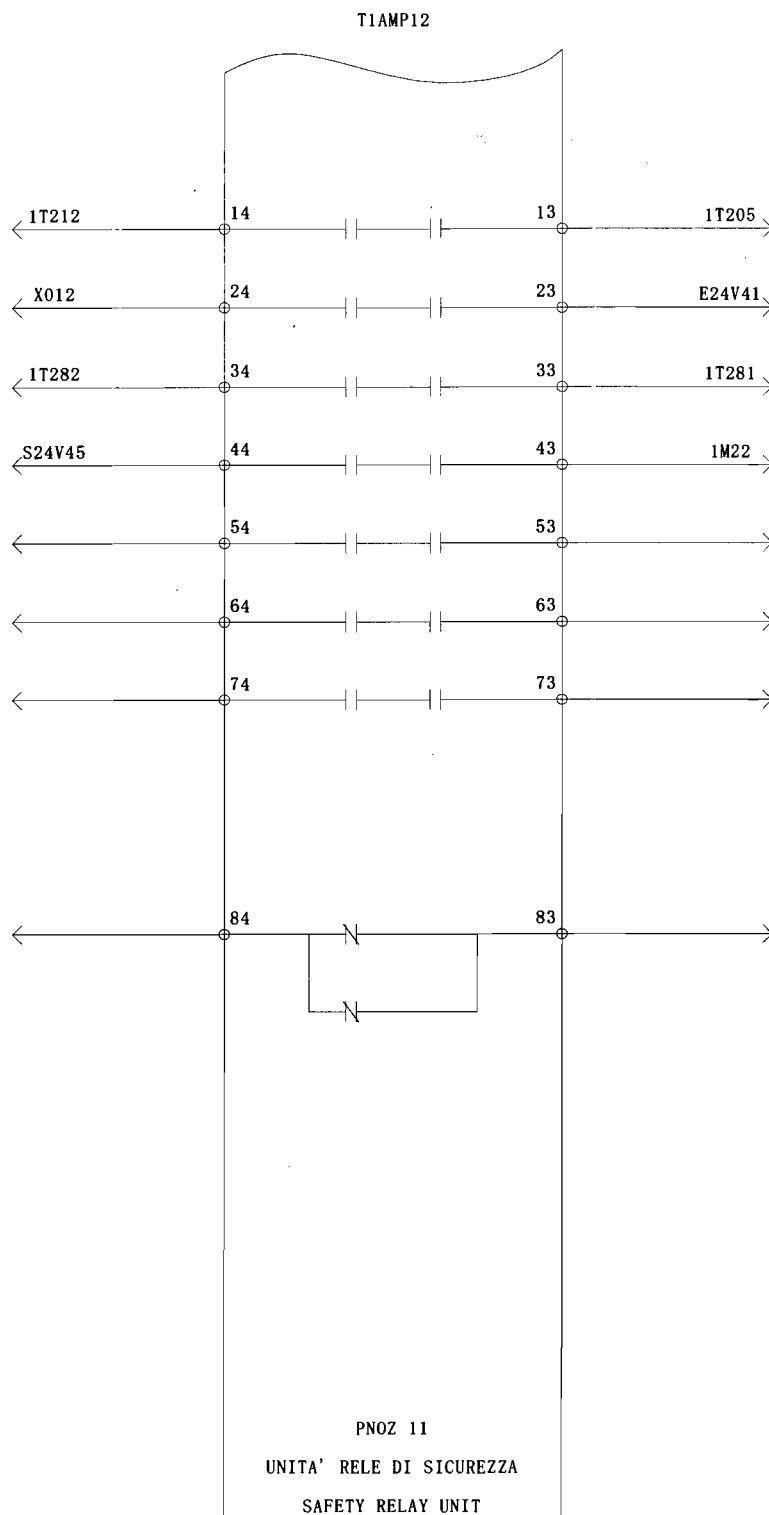
INSTR. NO. OF STANDARD:

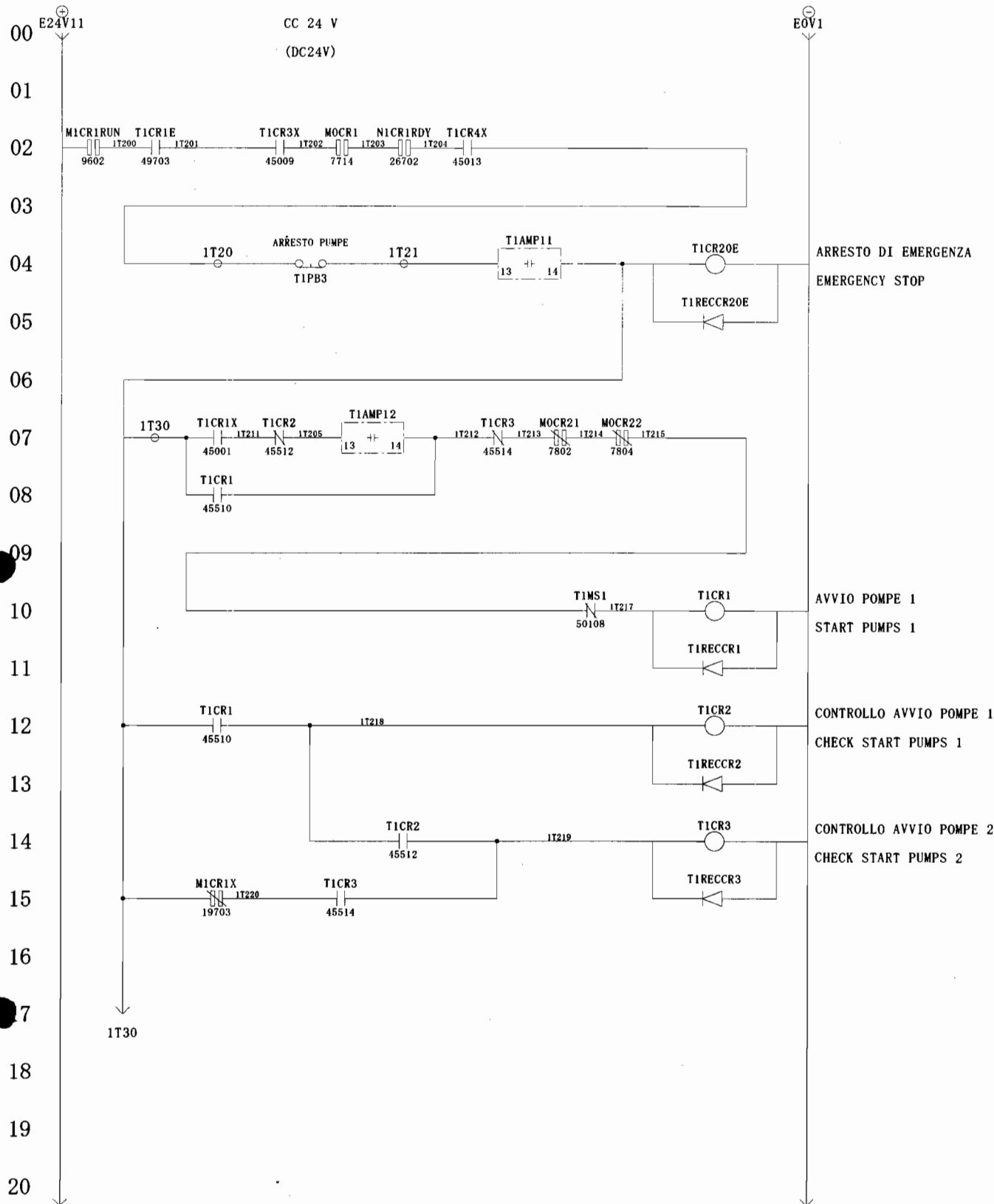
[illegible][illegible]

This is a full-page image of a blank sheet of white graph paper. The grid consists of thin, light gray horizontal and vertical lines intersecting at right angles to form small squares across the entire page. There are no margins, text, or other markings on the paper.[illegible]

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T1CR20	T1CR1	T1CR2	T1CR3
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646**	7802 7804 45508 45512 45606 45702 46205 <u>60304</u>	7802 7804 45507 45514 45606 45702 46205 60304	7802 7804 45507 45515 45606 45702 46205 60304

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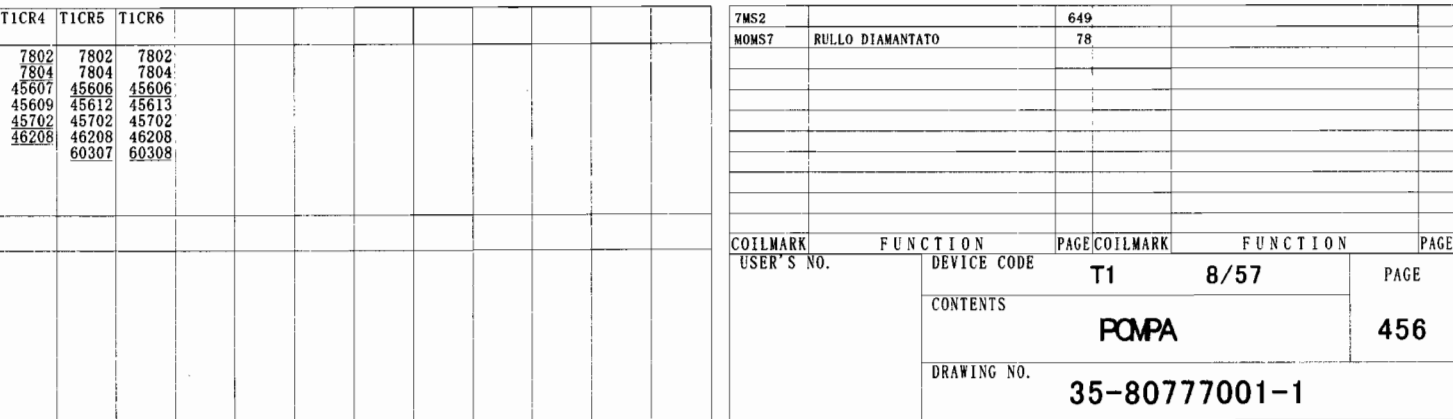
DRAWING NO. OF STANDARD.

DRAWING NO. : 35-80777001

OUTPUT: 06/01/24

UPDATE: 05/10/04

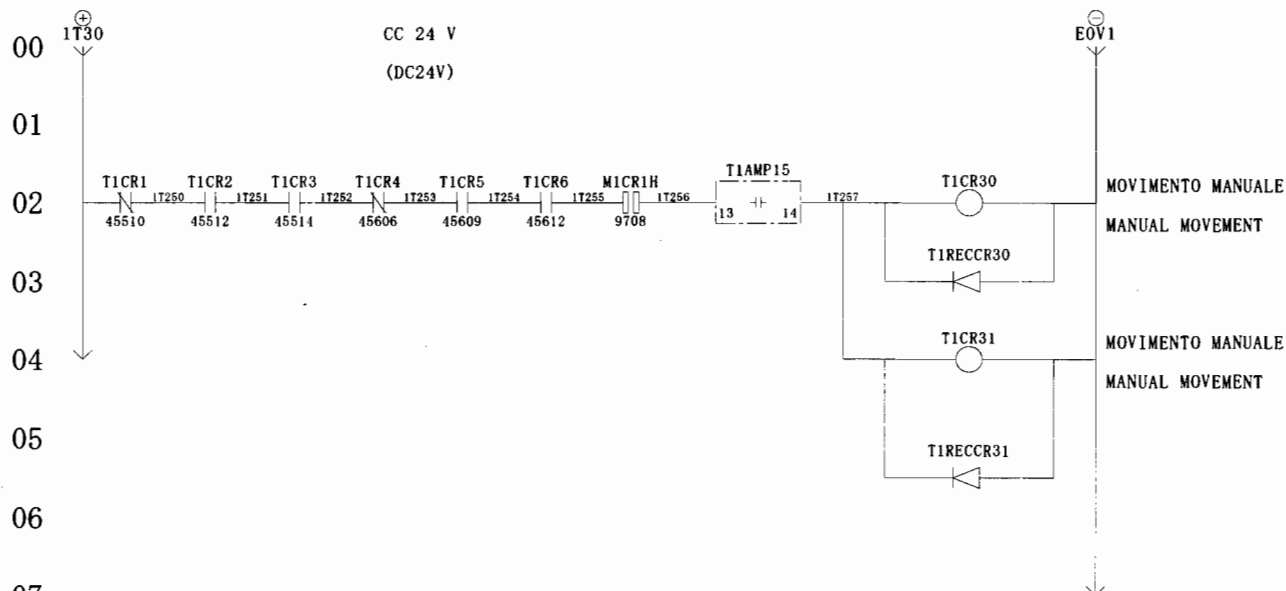
TOYODA MACHINE WORKS. LTD.



35-80777001-1

TOYODA MACHINE WORKS. LTD.

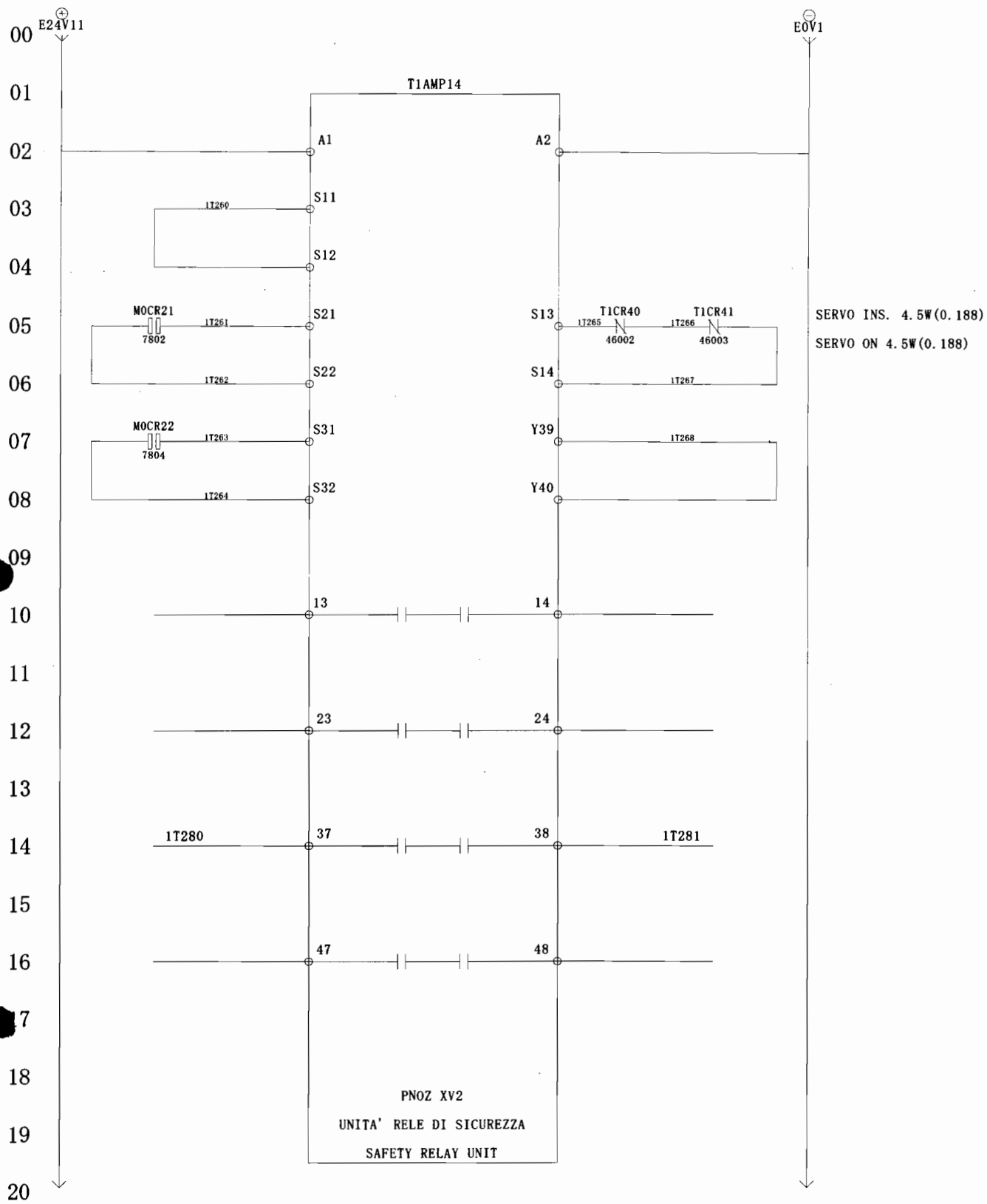
CC 24 V
(DC24V)

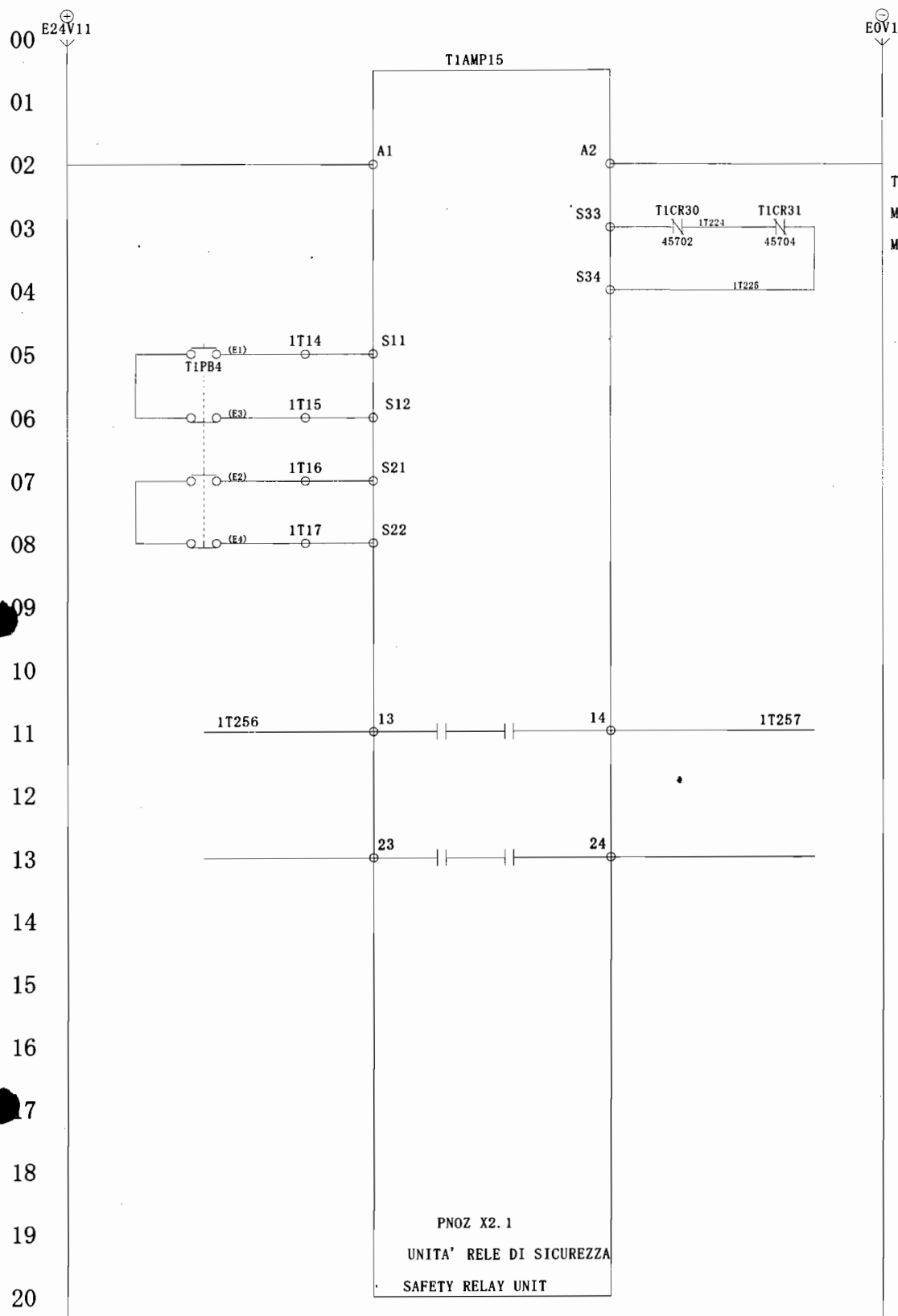


T1CR30	T1CR31								
6814	6814								
7412	7412								
45903	45903								
46003	46003								
46104	46104								

MICR1H	MANUALE	97			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1	9/57	PAGE	
	CONTENTS	PCMPA		457	
	DRAWING NO.	35-80777001-1			

DRAWING NO. OF STANDARD:

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DRAWING NO. OF STANDARD:



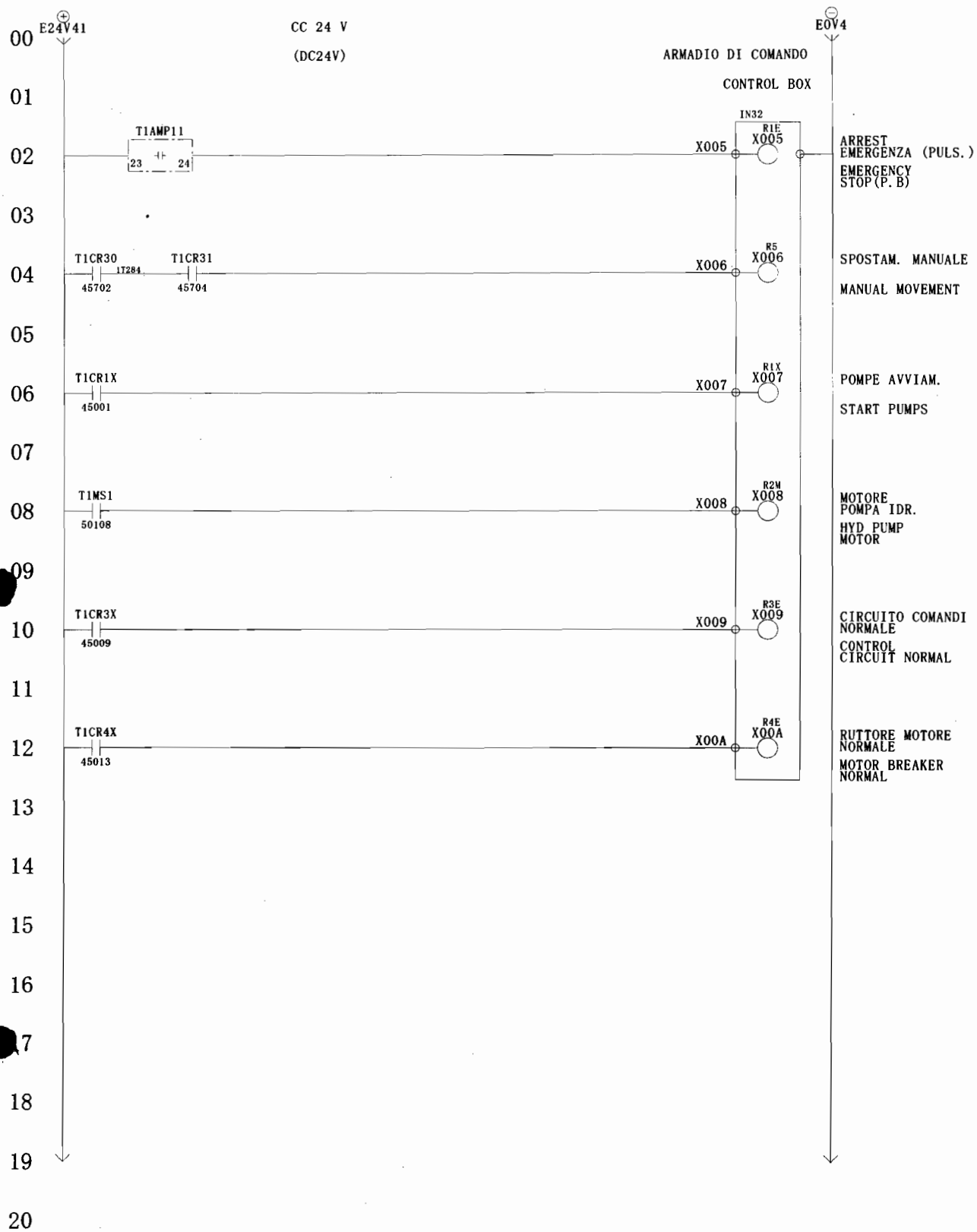
OUTPUT: 06/01/24

UPDATE: 05/10/04

TOYODA MACHINE WORKS. LTD.

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T1R1E	T1R5	T1R1X	T1R2M	T1R3E	T1R4E						
48601	47103	19509	48813	48201	48204						
48602		48607	48901	48806	48806						
48806		48609		49113							
49201		48701									
49202		48806									
49204		49601									
63203		62205									

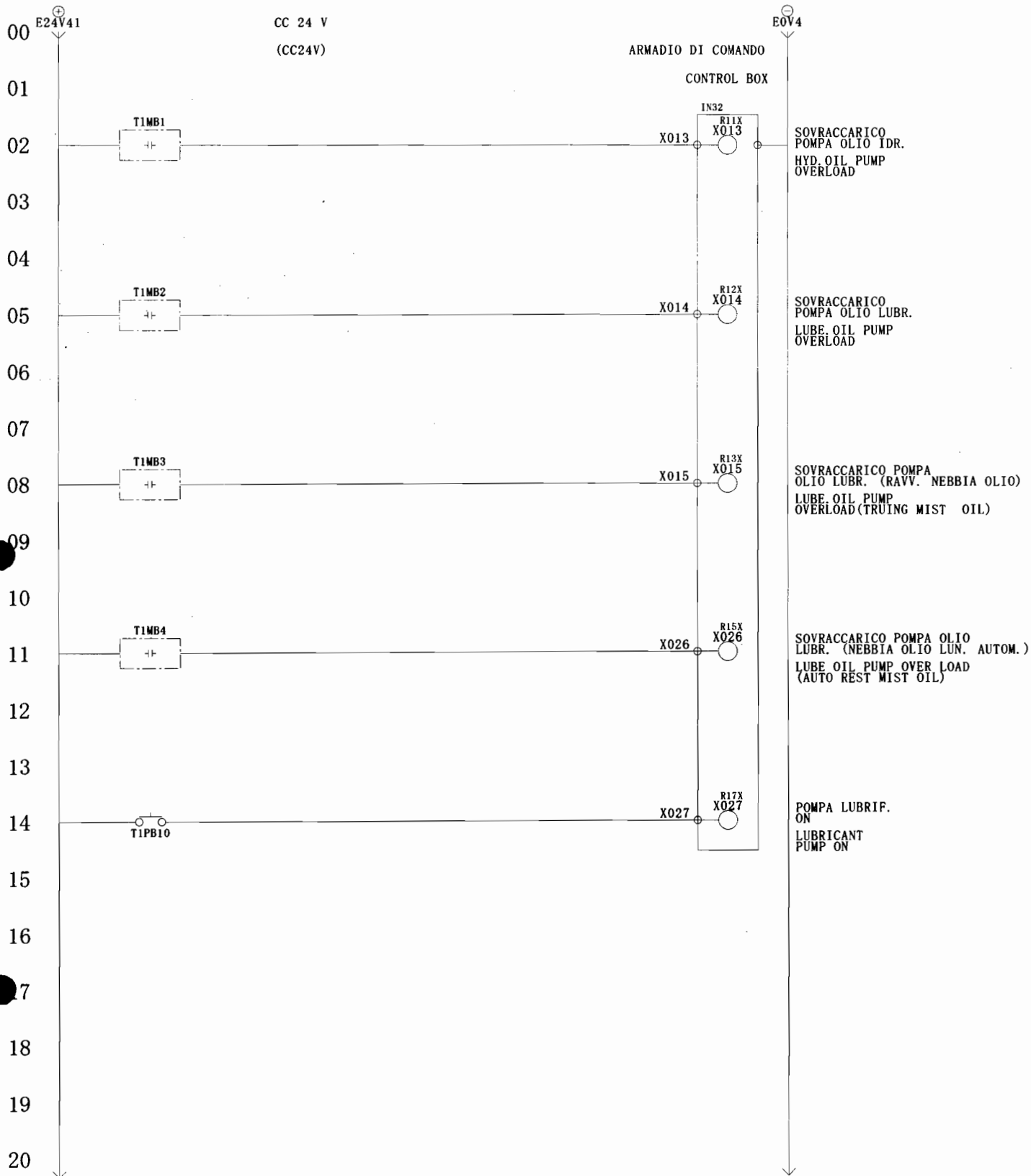
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1 13/57			PAGE
	CONTENTS	POMPA			461
	DRAWING NO.	35-80777001-1			

DATE: _____

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COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1	14/57	PAGE	
	CONTENTS	POMPA			462
	DRAWING NO.	35-80777001-1			

TOYODA MACHINE WORKS. LTD. HAS THE PROPERTY OF THIS DRAWING AND DESIGN SHOWN IN IT. ANY PART OF THIS DRAWING AND DESIGN SHALL NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR PERMISSION OF TOYODA MACHINE WORKS. LTD.



TIR11X	TIR12X	TIR13X	TIR15X	TIR17X															
47301 48204	47304 48204	47307 48204	47401 48204	48806															

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1	15/57		PAGE
	CONTENTS		POMPA		463
	DRAWING NO.		35-80777001-1		

DRIVING NO. OF STANDARD:

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BT PRINCIPALE
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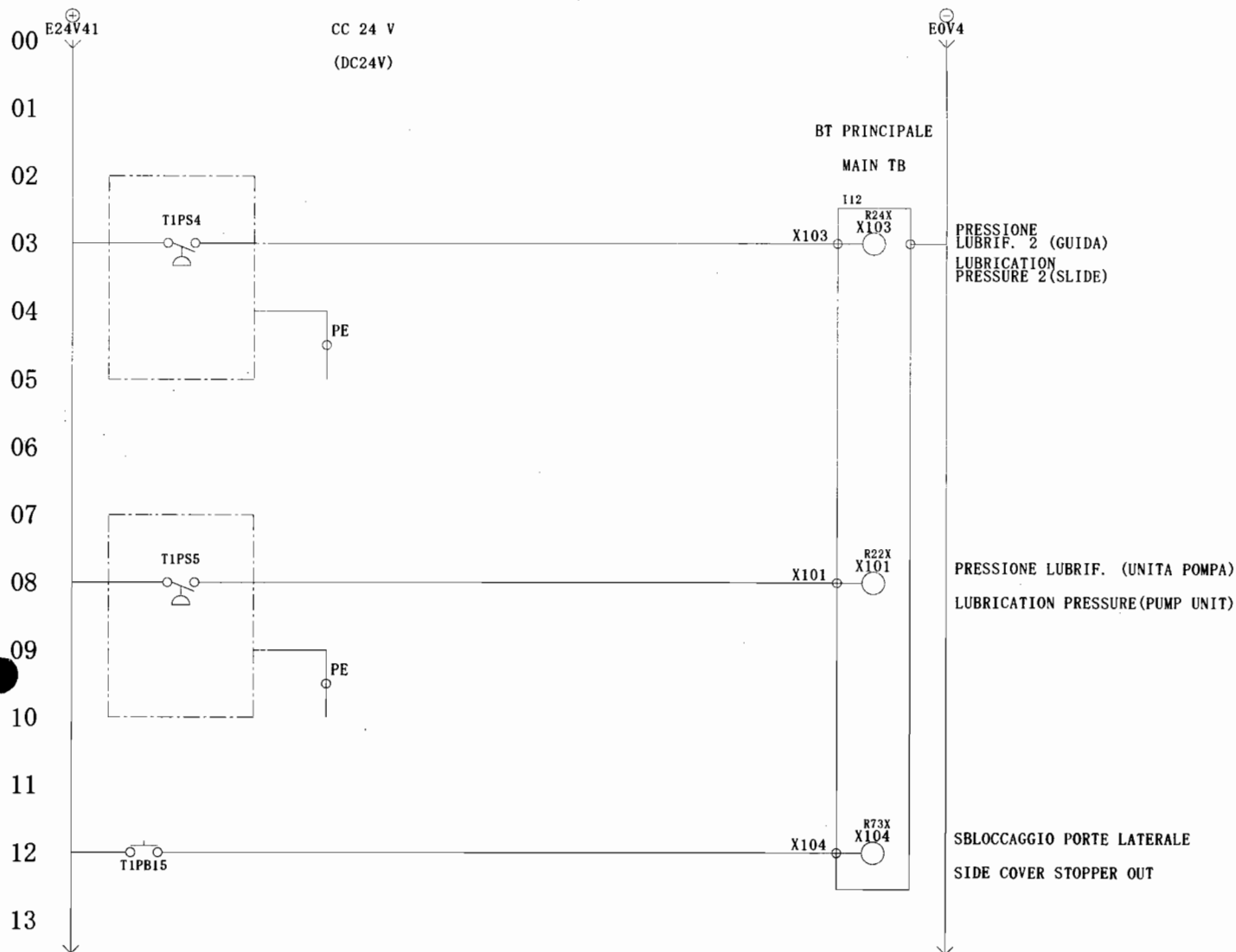
PRESSIONE ARIA
AIR PRESSURE

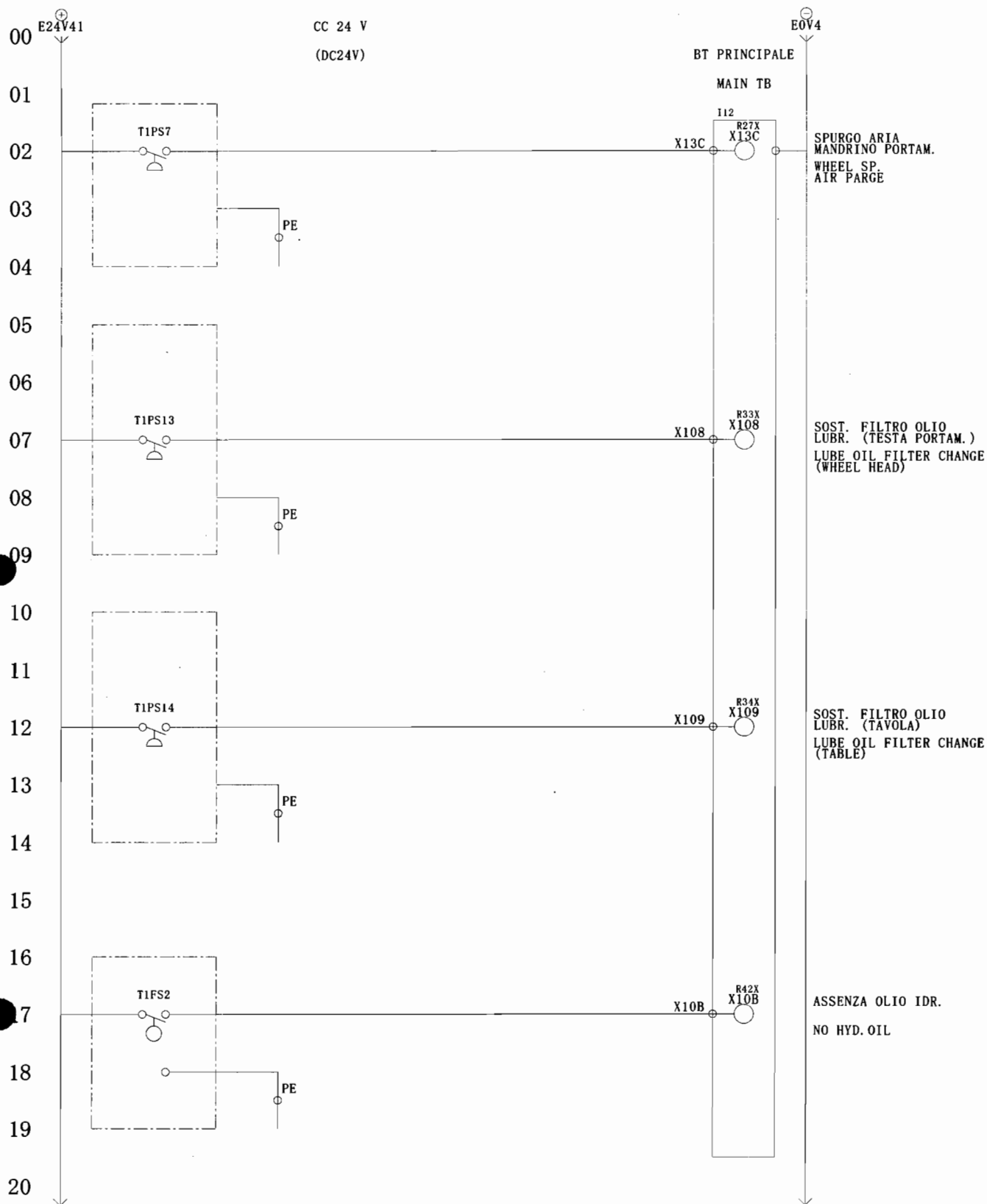
X102 R23X
X102

PRESSIONE
LUBRIF. 1 (VITE)
LUBRICATION
PRESSURE 1 (SCREW)

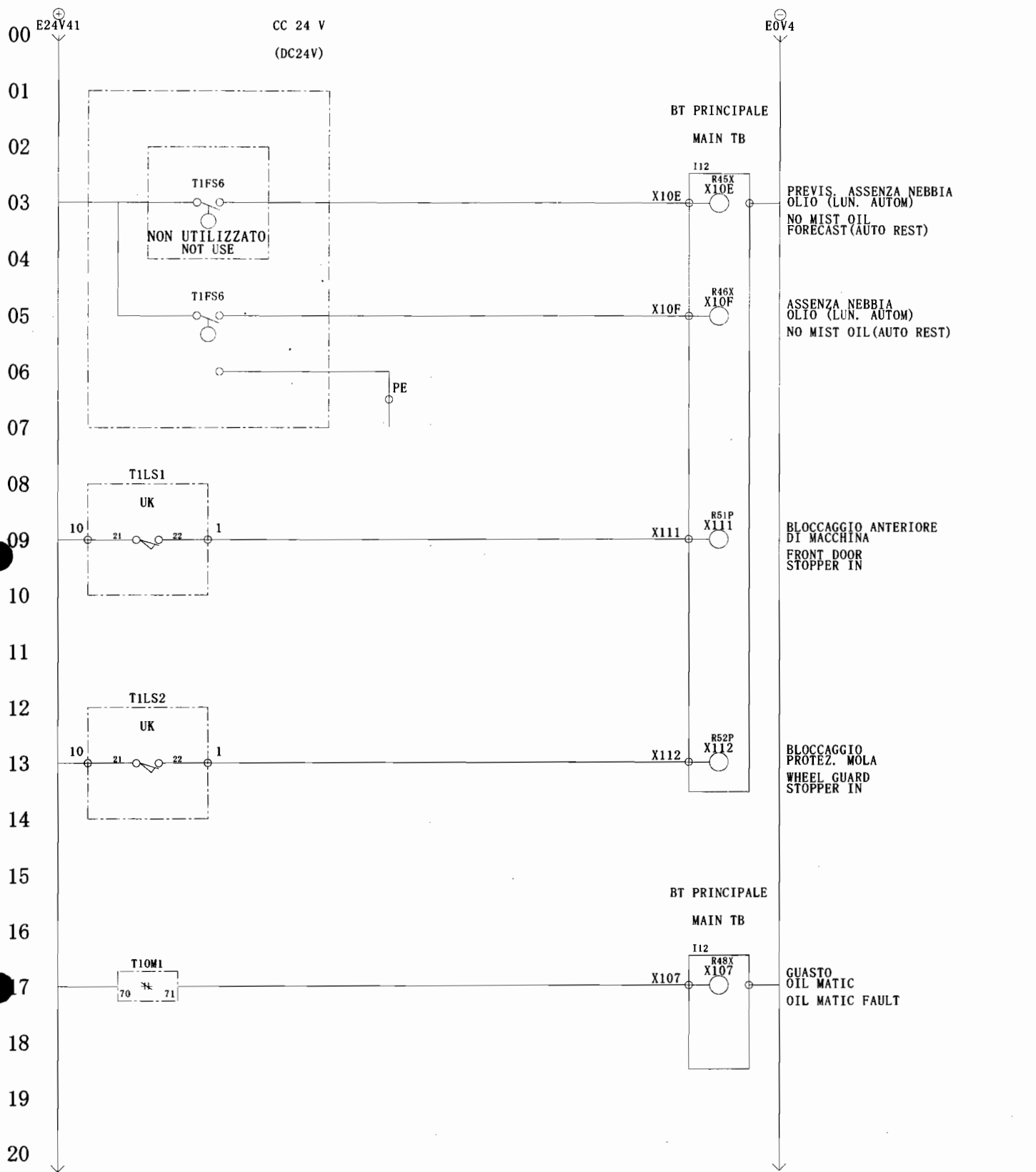
[illegible][illegible]

DRIVING VOL. OF STANDARD:

[illegible][illegible]



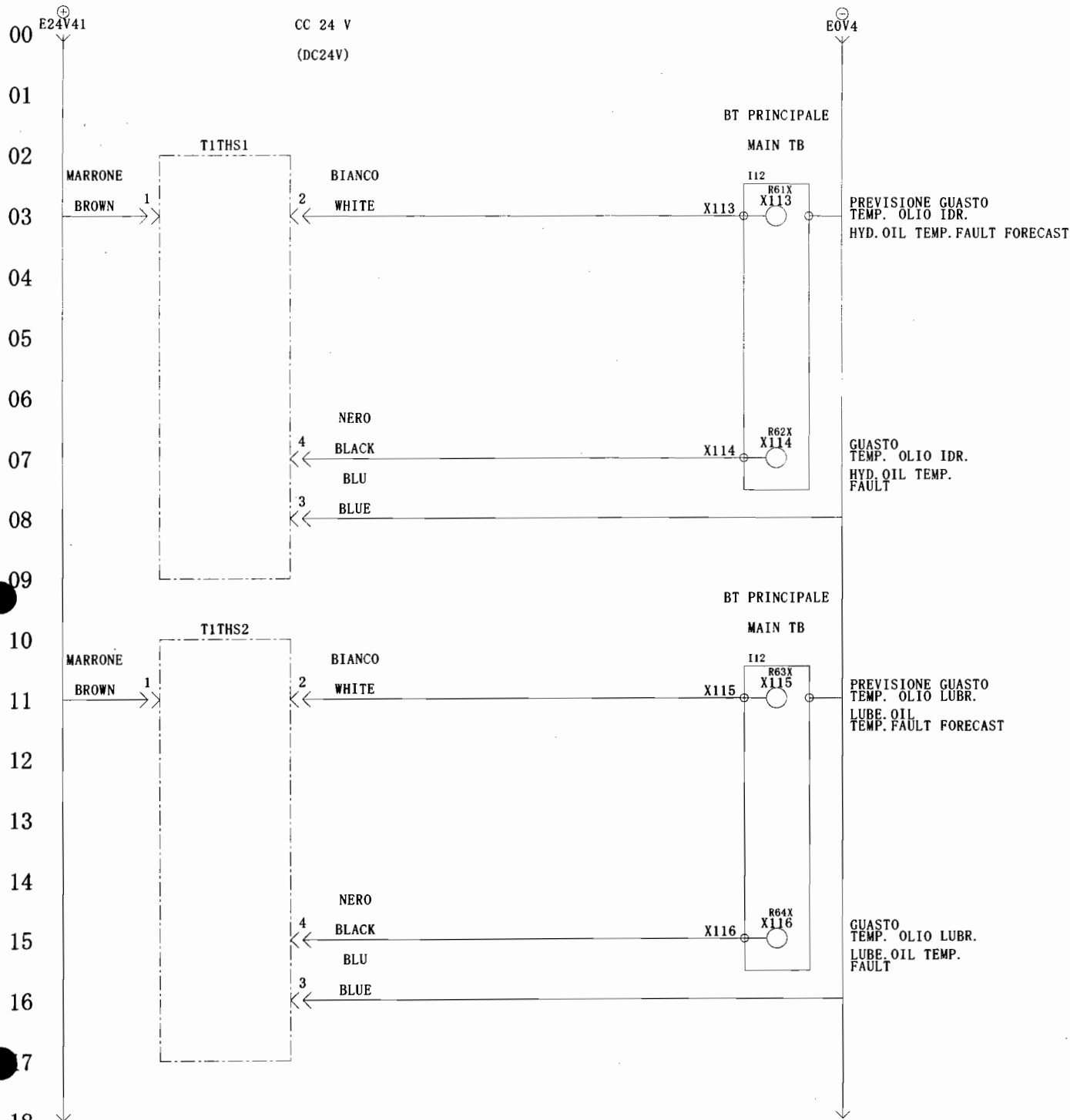
TOYODA MACHINE WORKS. LTD. HAS THE PROPERTY OF THIS DRAWING AND DESIGN SHOWN IN IT. ANY PART OF THIS DRAWING AND DESIGN SHALL NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR PERMISSION OF TOYODA MACHINE WORKS. LTD.



T1R45X	T1R46X	T1R51P	T1R51P	T1R51P	T1R52P	T1R48X
47801	47803	13405	49309	66303	48606	47808
		13501	53104	66903	49407	
		13612	53215	67303	49410	
		13803	55605	68711		
		15103	56003	69003		
		15407	56203	69403		
		18805	58603	69605		
		28401	58803	71003		
		48604	58909			
		49306	62506			

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1 20/57			PAGE
	CONTENTS	POMPA			468
	DRAWING NO.	35-80777001-1			

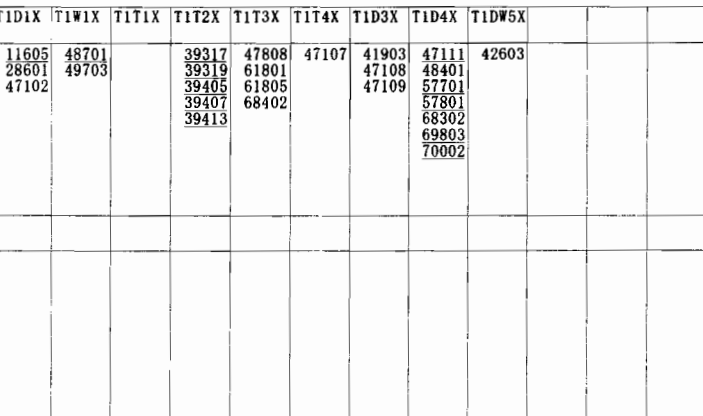
TOYODA MACHINE WORKS, LTD. HAS THE PROPERTY OF THIS DRAWING AND DESIGN SHOWN IN IT. ANY PART OF THIS DRAWING AND DESIGN SHALL NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR PERMISSION OF TOYODA MACHINE WORKS, LTD.



T1R61X	T1R62X	T1R63X	T1R64X						
	48001		48005						

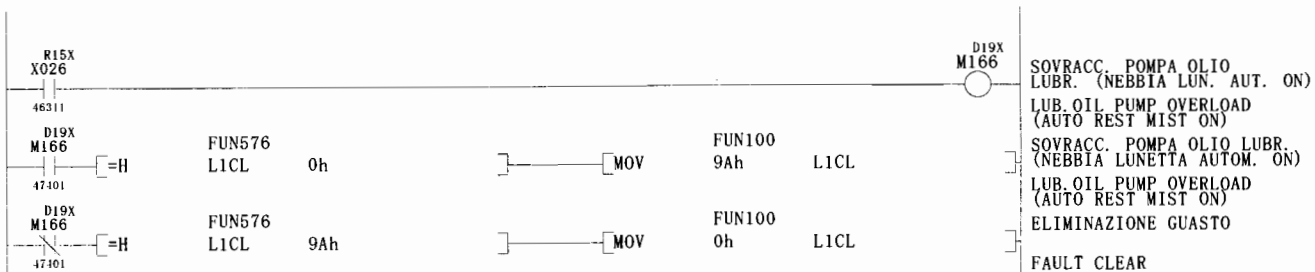
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1	21/57		PAGE
	CONTENTS		POMPA		469
	DRAWING NO.		35-80777001-1		

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COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1	23/57		PAGE
	CONTENTS	PCMPA			471
	DRAWING NO.	35-80777001-1			

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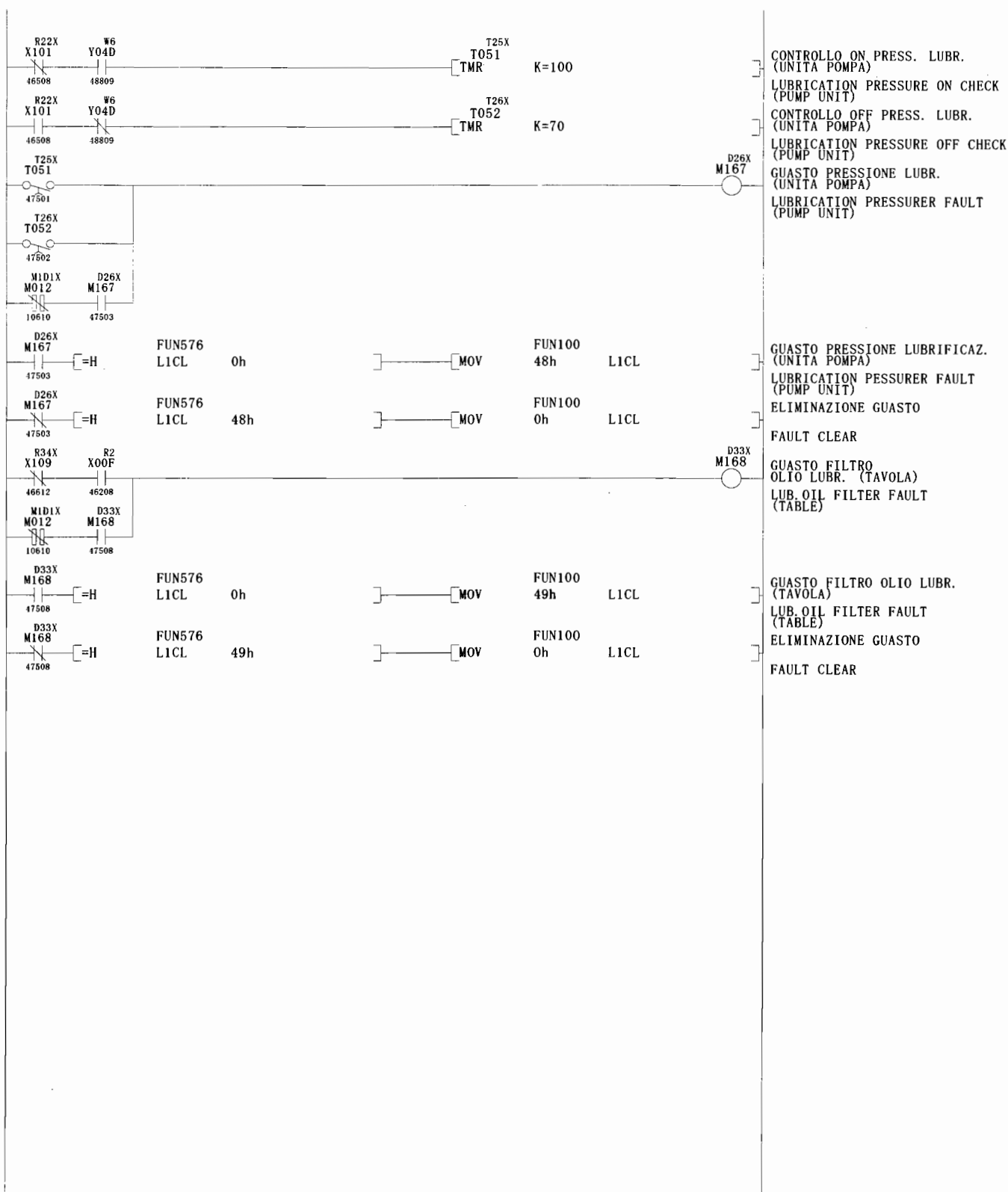
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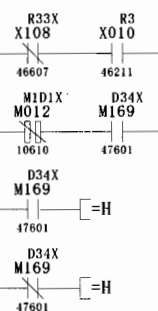
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MIDIX	RESET ERRORI	106			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1	27/57		PAGE
	CONTENTS	POMPA			475
	DRAWING NO.	35-80777001-1			

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FUN576
L1CL 0h

FUN576
L1CL 41h

FUN100
41h L1CL

FUN100
0h L1CL

D34X
M169

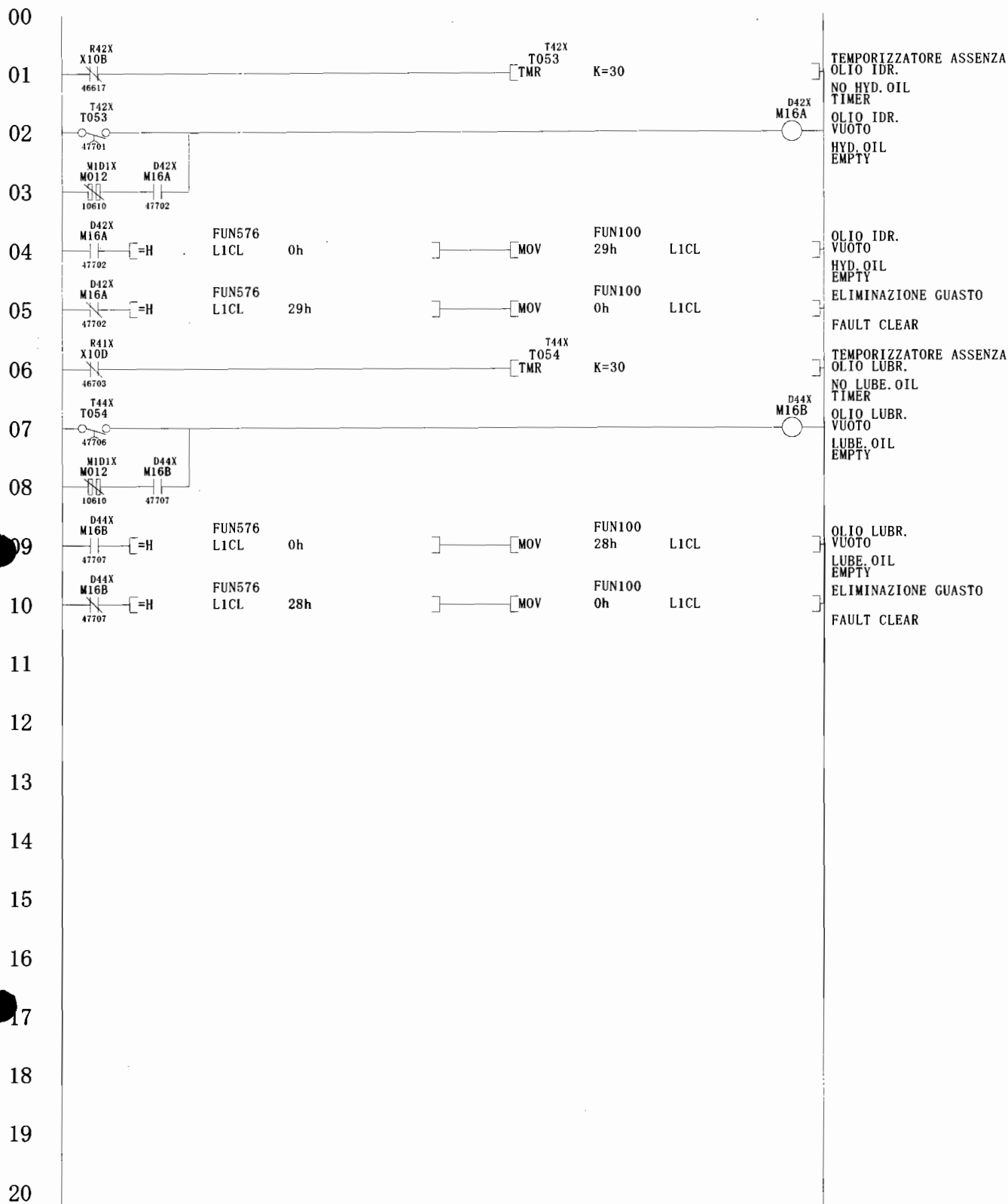
GUASTO FILTRO OLIO
LUBR. (TESTA PORTAM.)
LUBE. OIL
FILTER FAULT (WHEEL HEAD)

GUASTO FILTRO OLIO LUBR.
(TESTA PORTAM.)
LUBE. OIL
FILTER FAULT (WHEEL HEAD)
ELIMINAZIONE GUASTO
FAULT CLEAR

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MIDIX	RESET ERRORI	106			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1	28/57	PAGE	
	CONTENTS	POMPA		476	
	DRAWING NO.	35-80777001-1			

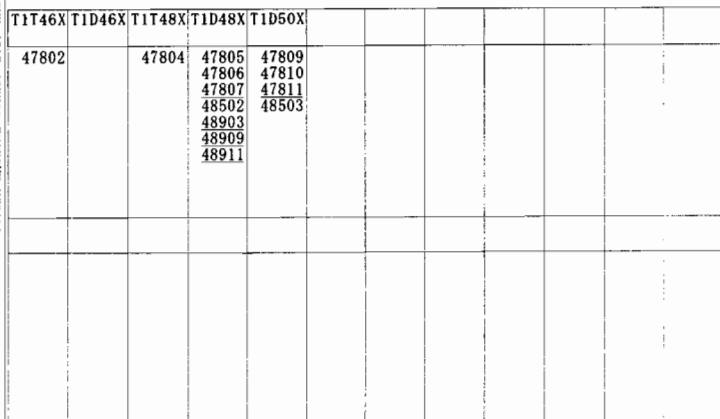
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T1T42X	T1D42X	T1T44X	T1D44X
47702	47703 47704 47705 48413	47707	47708 47709 47710 48414 <u>49601</u> <u>49606</u>

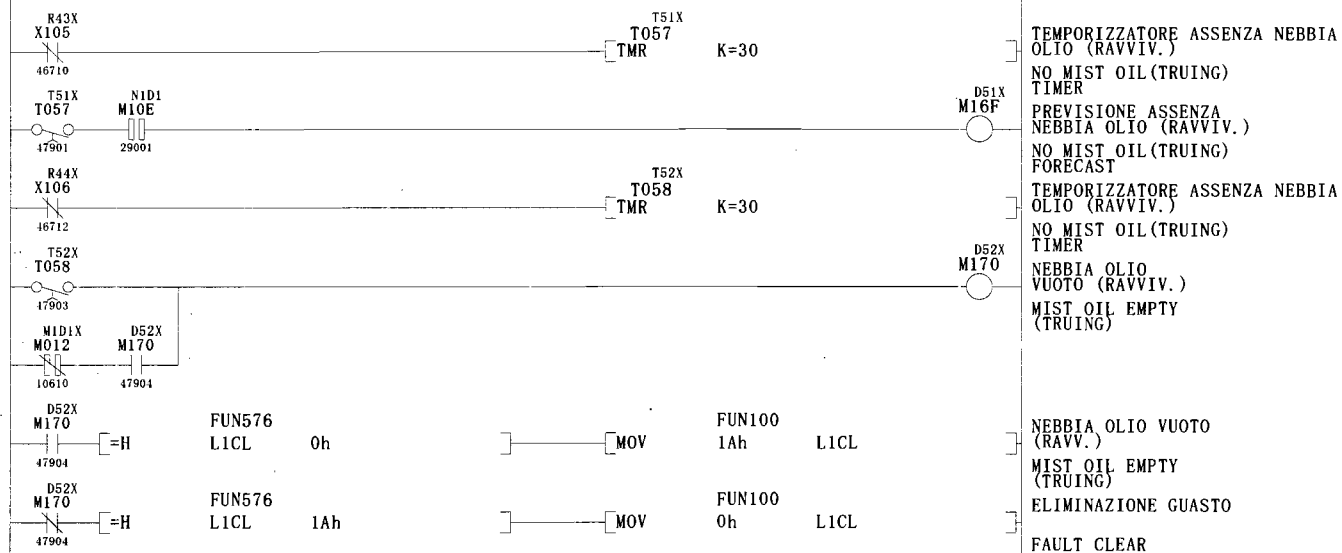
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DRAWING NO. : 35-80777001 OUTPUT: 08/01/24 UPDATE: 05/10/04 TOYODA MACHINE WORKS. LTD.

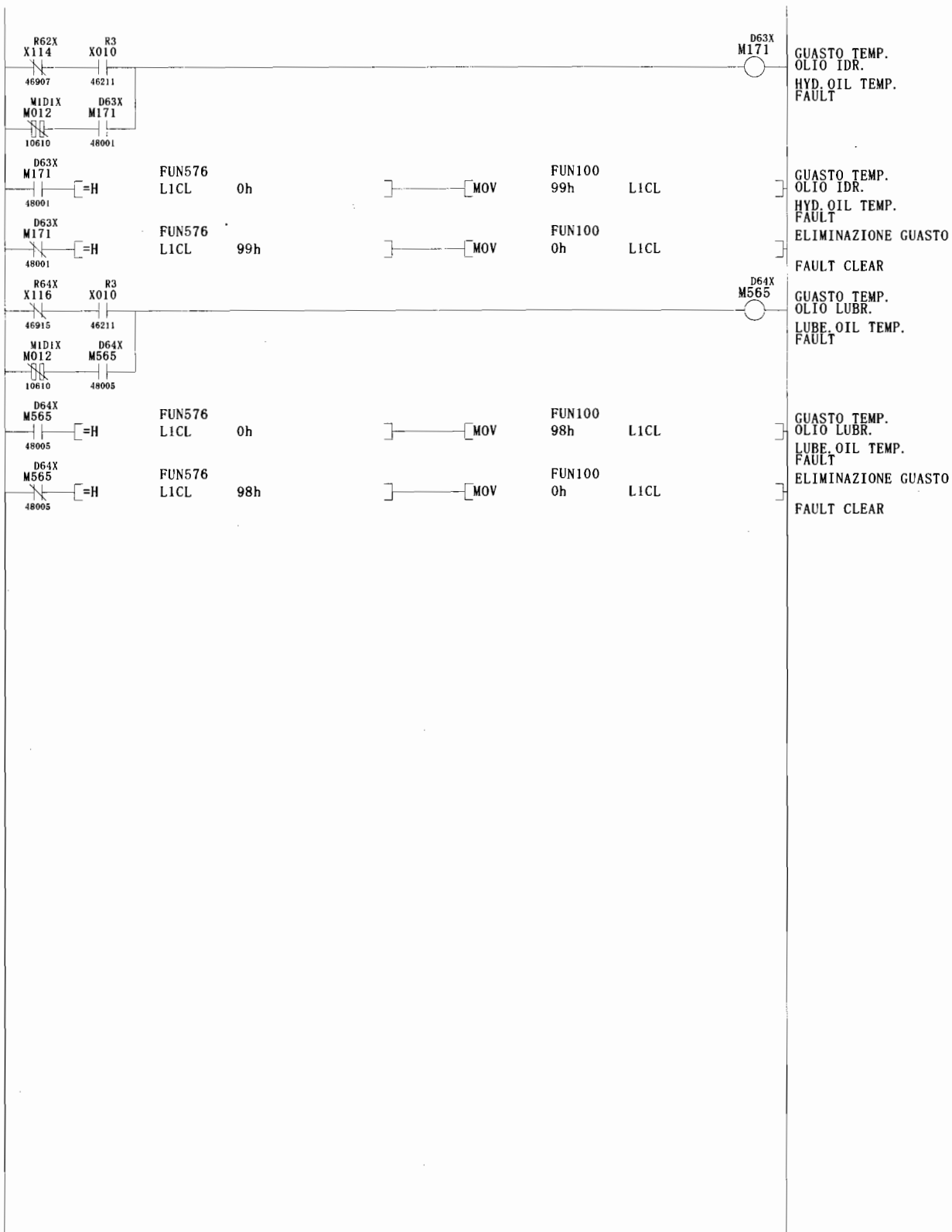
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T1T51X	T1D51X	T1T52X	T1D52X
47902	47904	47905 47906 47907 48507 49001 49007 49009 <u>68303</u> <u>70002</u>	

N1D1	OFF FINTO	290			
M1D1X	RESET ERROR1	106			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1	31/57	PAGE	
	CONTENTS	PQMPA			479
	DRAWING NO.	35-80777001-1			

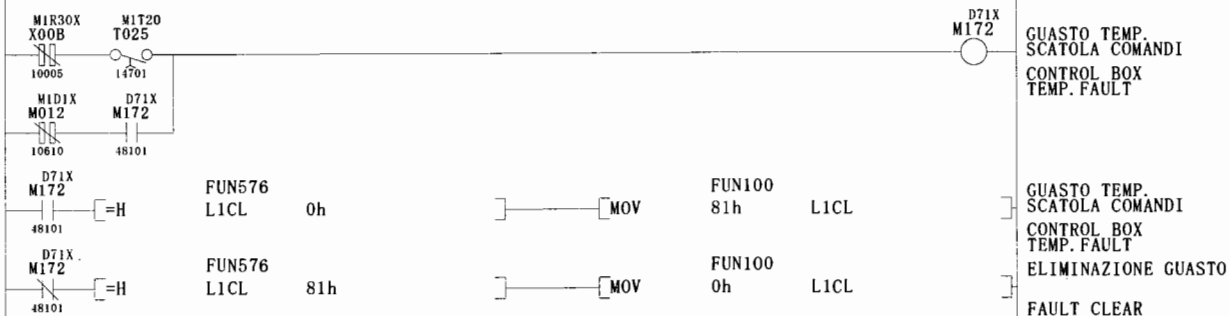
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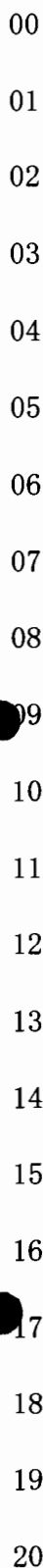
T1D63X	T1D64X
48002	48006
48003	48007
48004	48008
48504	48505

MIDIX	RESET ERRORI	106
COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1 32/57
	CONTENTS	PMPA 480
	DRAWING NO.	35-80777001-1

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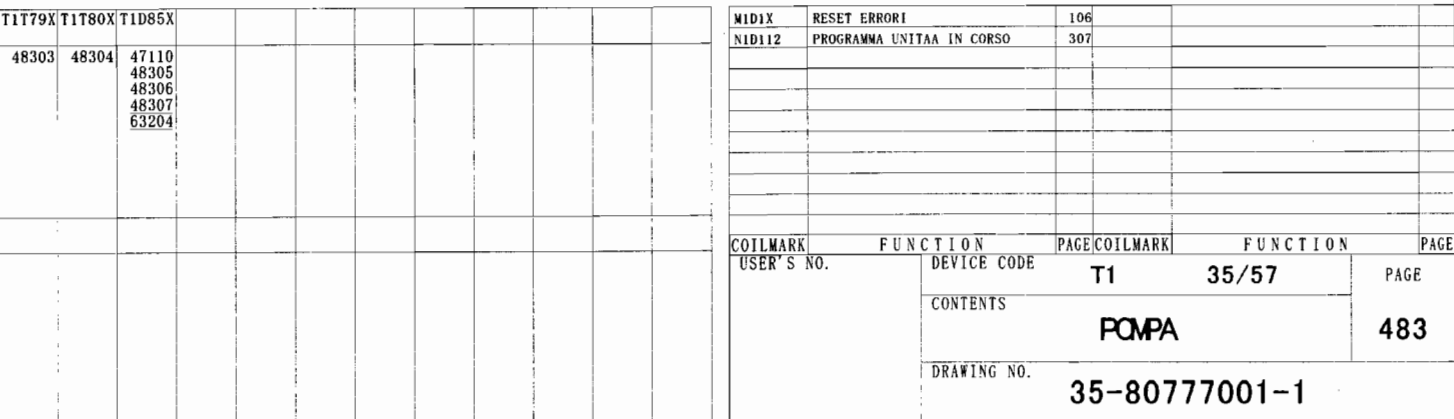
MIR30X	NORMALE TEMP. SCATOLA COMANDI	100			
MIT20	ACCENSIONECONF.	147			
MIDIX	RESET ERRORI	106			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1	33/57	PAGE	
	CONTENTS				481
	DRAWING NO.	35-80777001-1			



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D4X
M160

47109

D102
M163

47301

D132
M164

47304

D18
M165

47307

D752
M173

48201

D773
M174

48204

D193
M166

47.101

D6X
M16.1

1700

D9X
M100

D262

D33

[illegible]47508
D3447601
D42'

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47702
D44

47707

D101X
M176

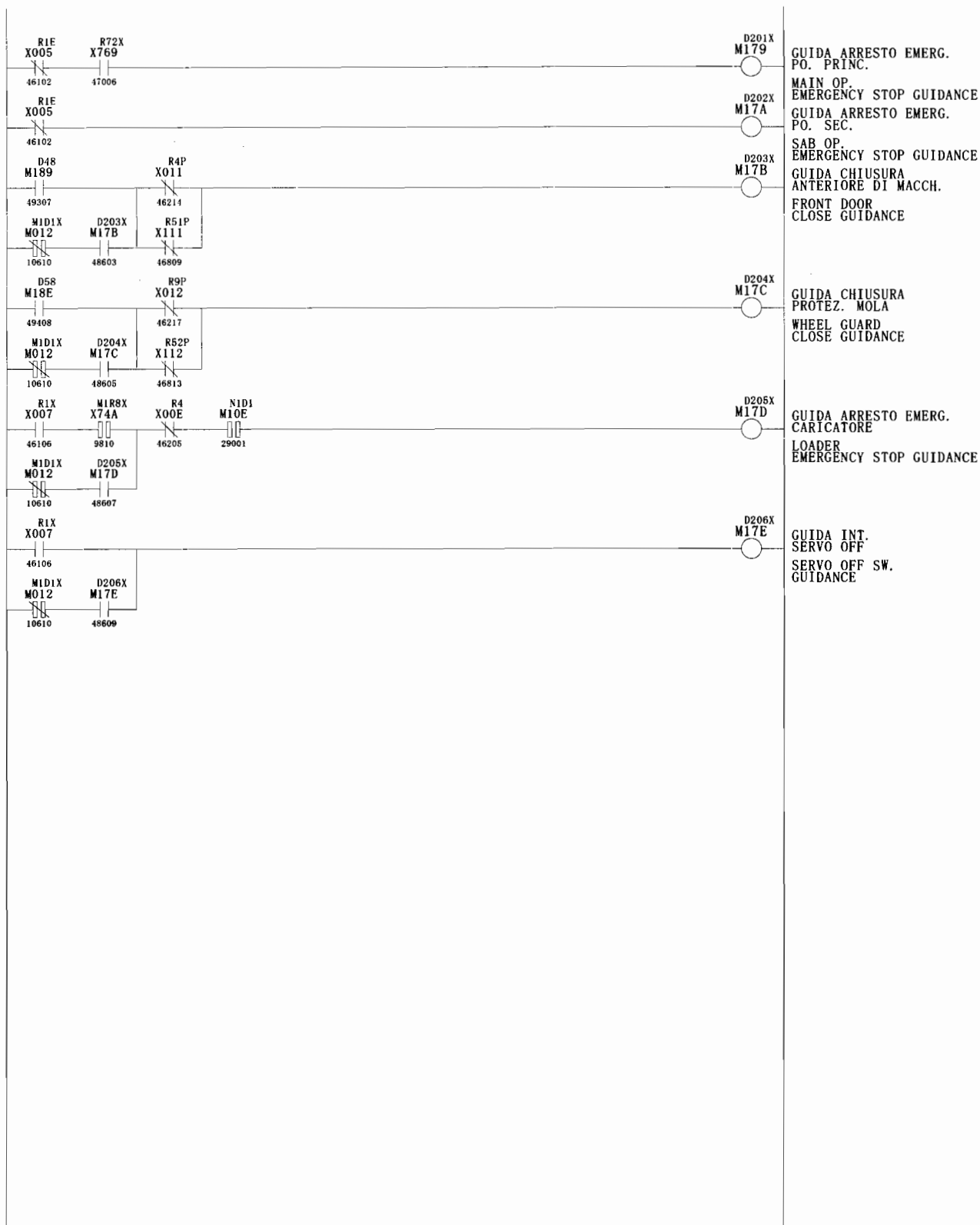
COND. ARRESTO ESEC.
ATTORNO T1
RUN STOP CONDI.
AROUND T1

D100X
M177

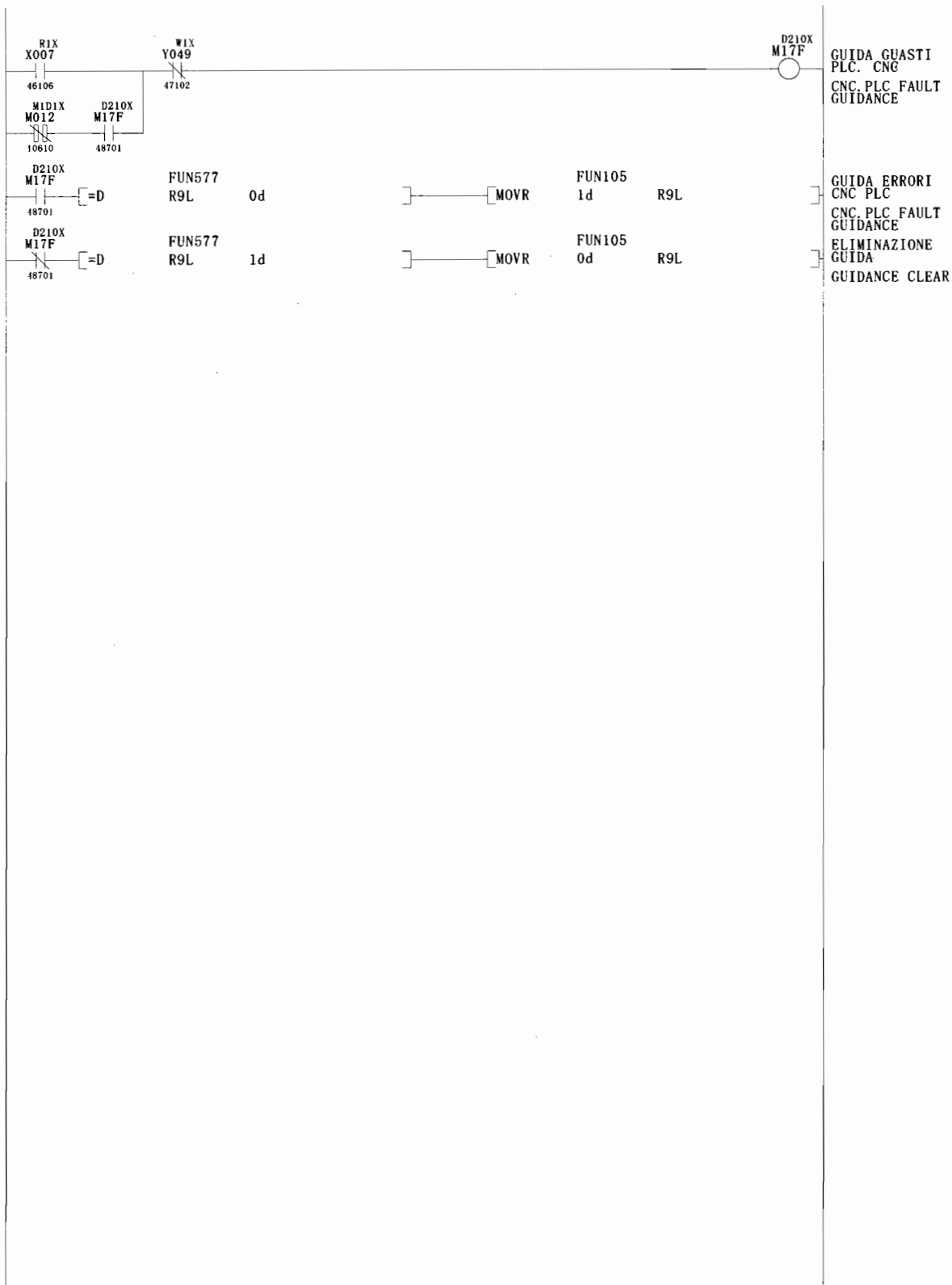
GUASTO ARRESTO CICLO
ATTORNO T1
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AROUND T1

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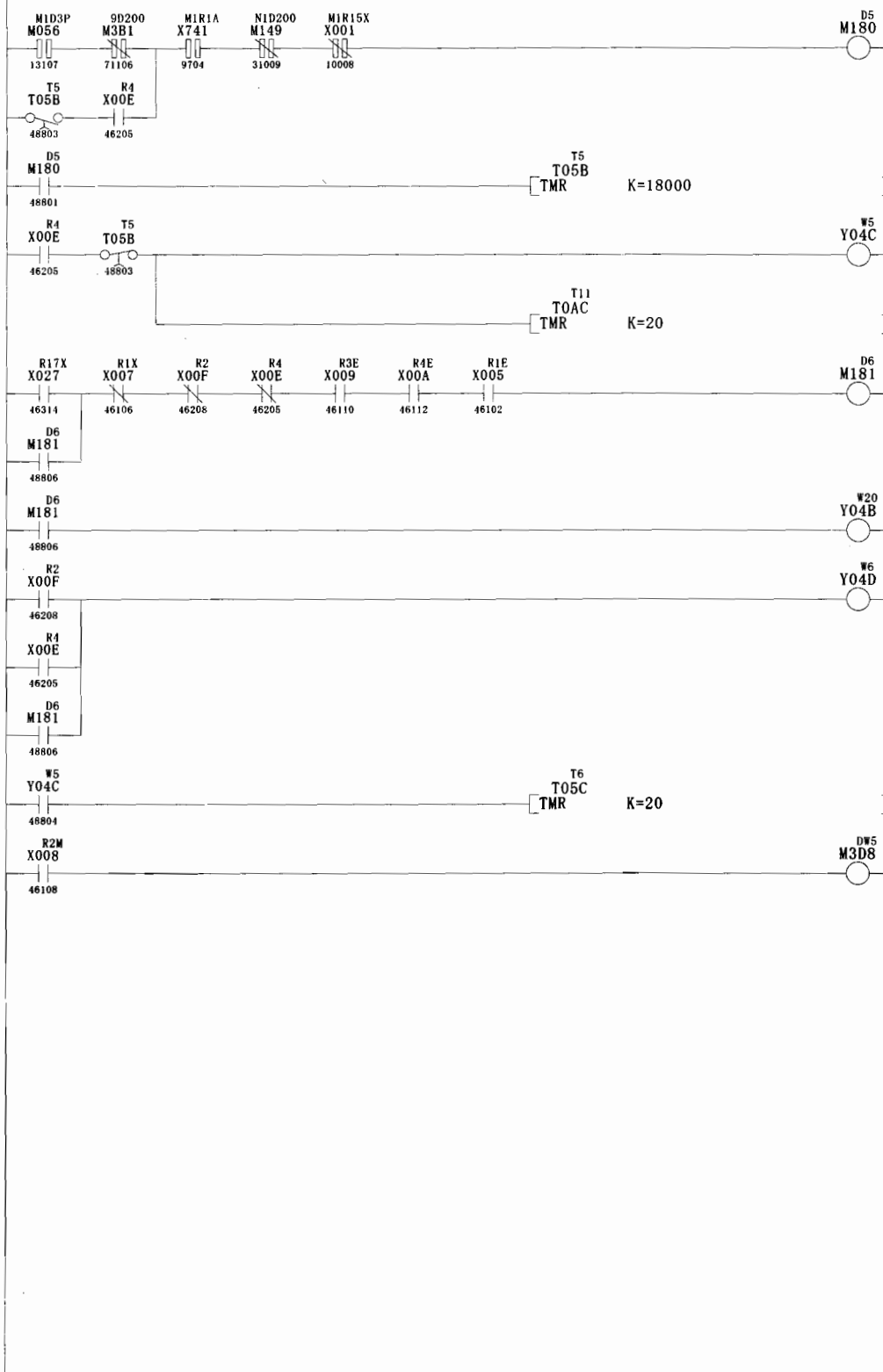
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WD1X	RESET ERRORI	106			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1	39/57	PAGE	
	CONTENTS	PCMPA		487	
	DRAWING NO.	35-80777001-1			

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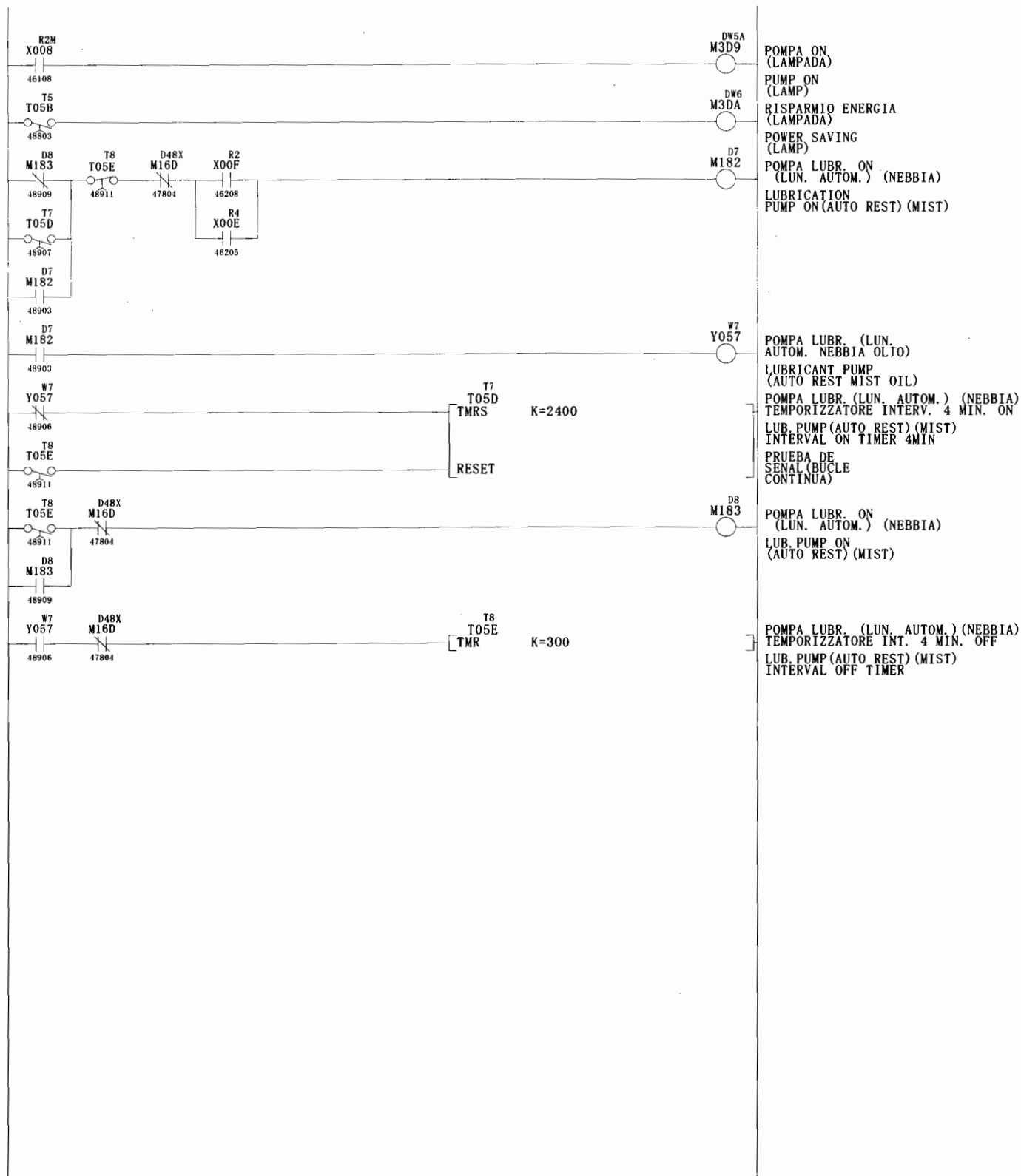
POMPA ON
(LAMPADA)
PUMP ON
(LAMP)

T1D5	T1T5	T1W5	T1T11	T1D6	T1W20	T1W6	T1T6	T1DW5		
48803	19401	11001	56401	48807	49705	47201	13106	42615		
	48802	13105		48808		47202				
	48804	18702		48811		47206				
	48902	48812				47207				
	52714	49708				47501				
						47502				
						49711				

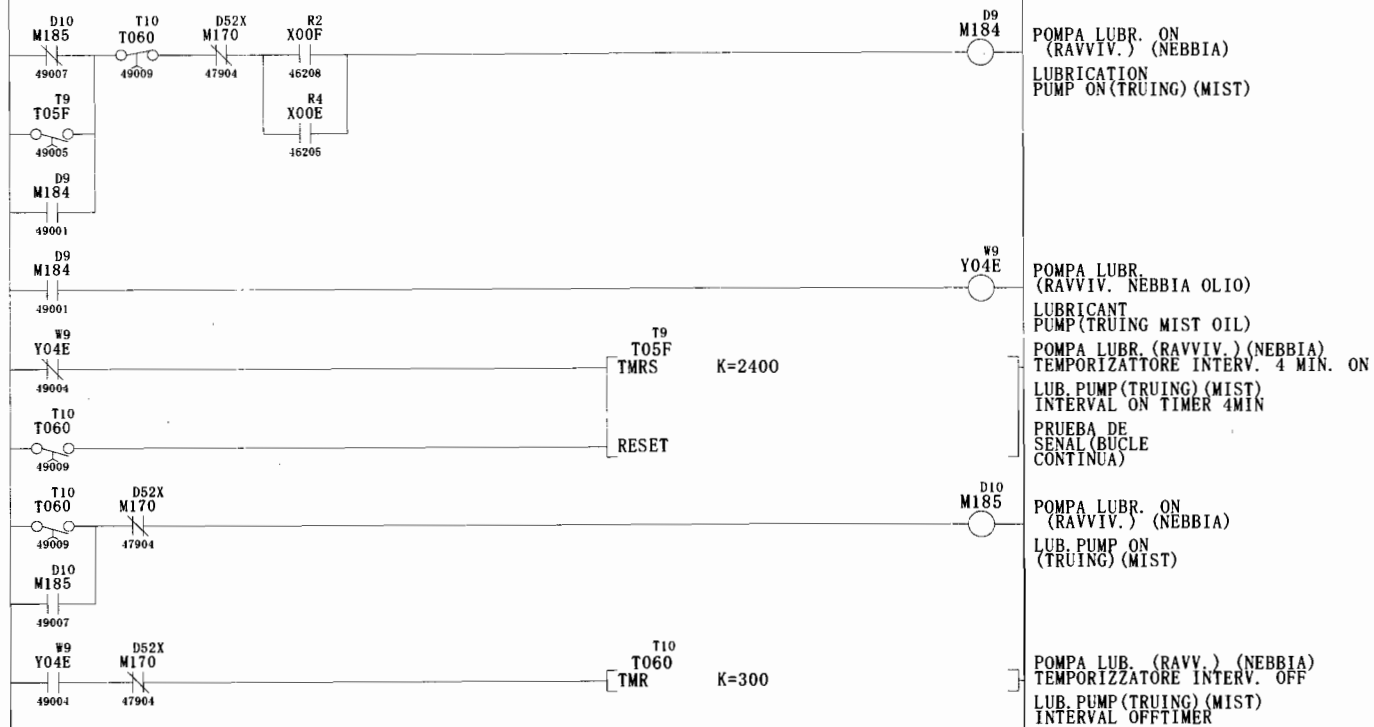
M1D3P	POS. PART. MACCHINA	131
9D200	RIPASSATURA	711
M1R1A	AUTO	97
N1D200	PROGRAMMA CN IN CORSO	310
M1R15X	CICLO CONTINUO SENZA CARICO	100

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1	40/57		PAGE
	CONTENTS		POMPA		488
	DRAWING NO.		35-80777001-1		

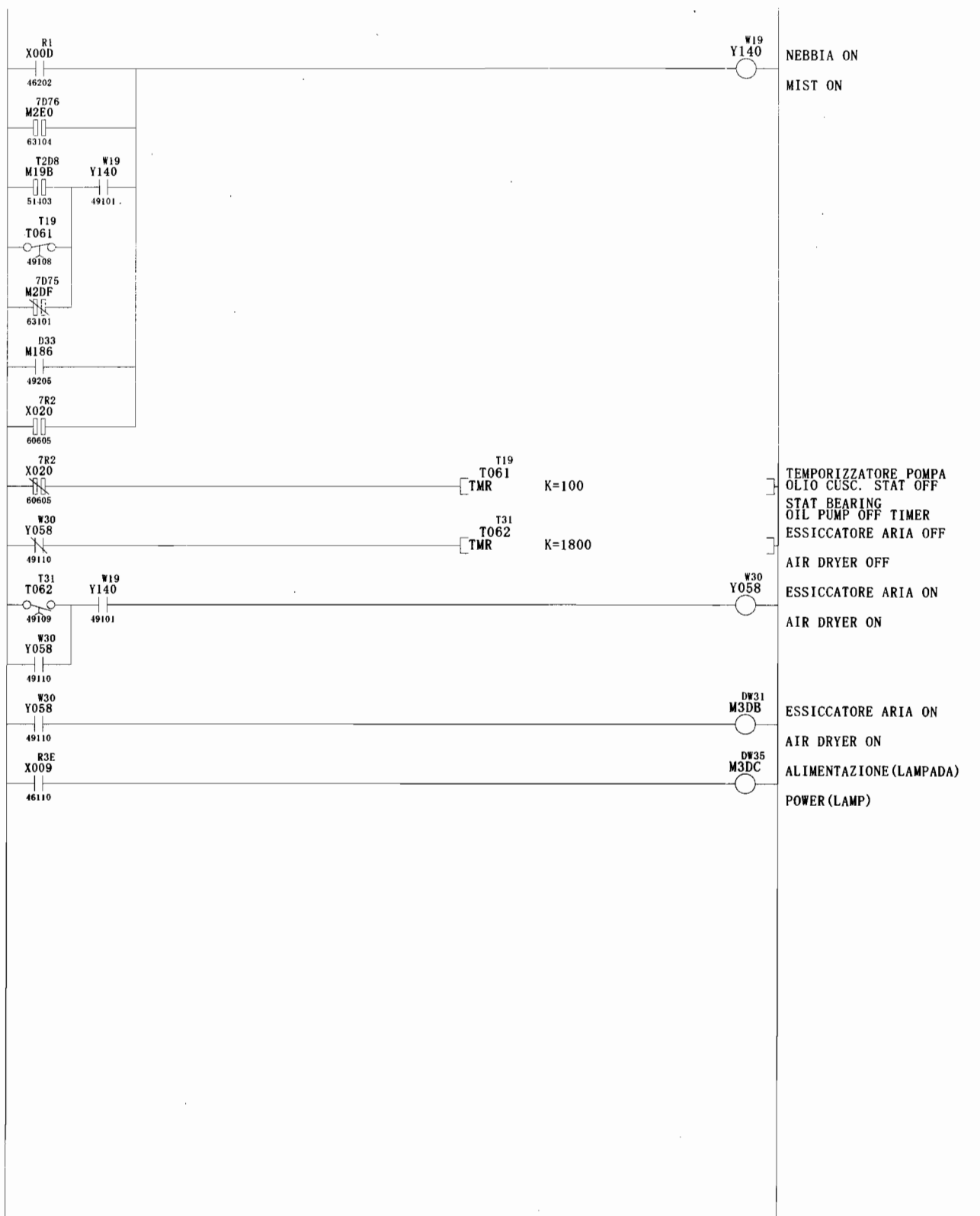
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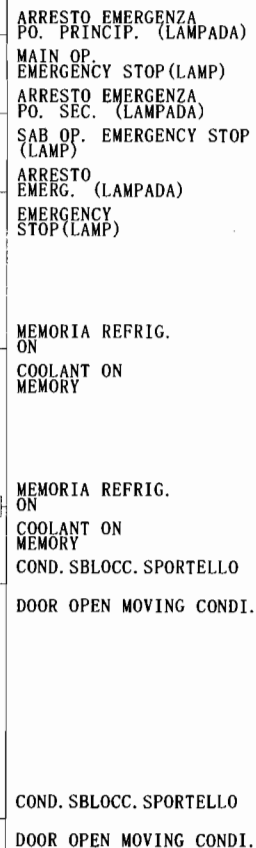
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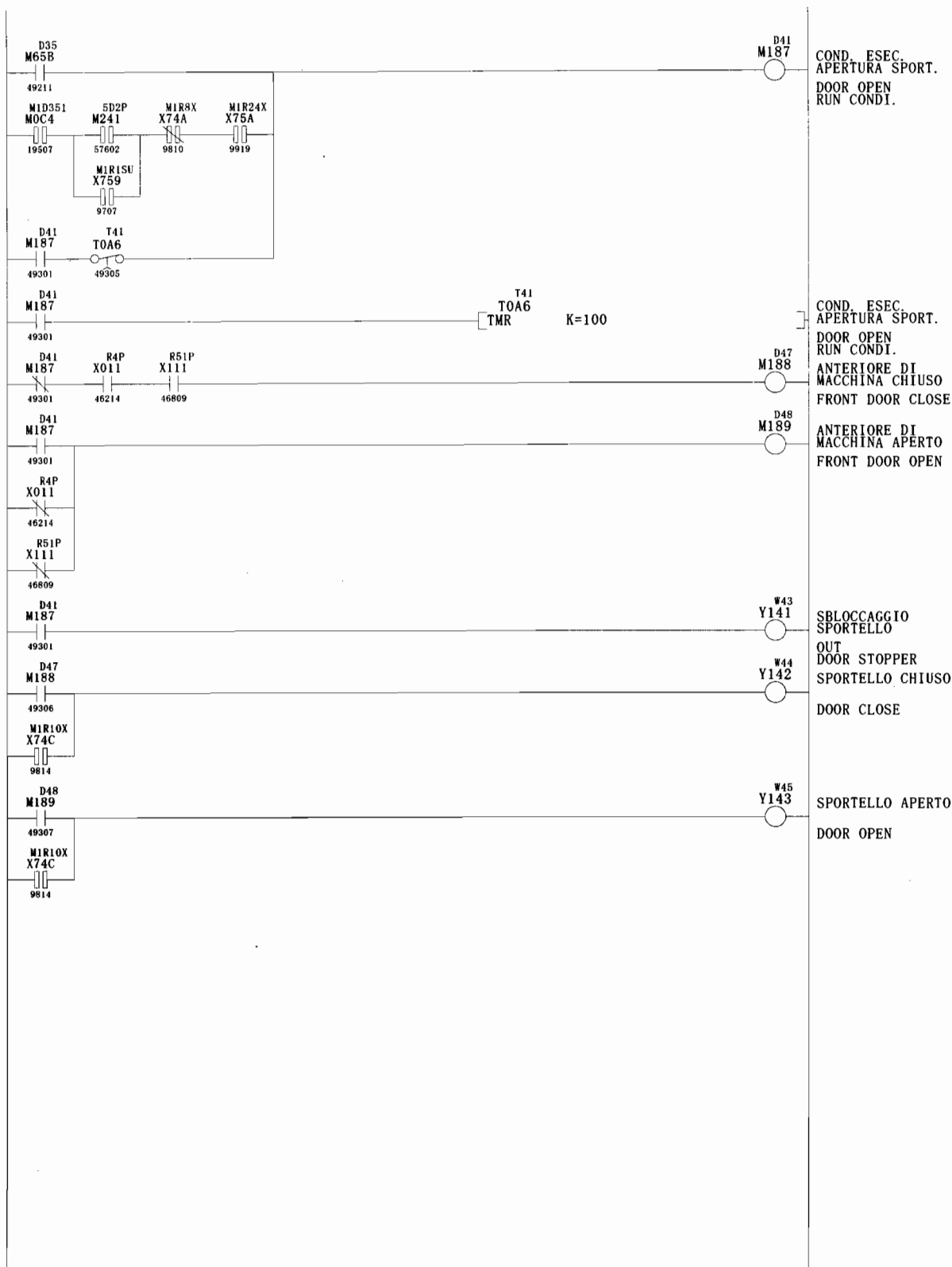
[illegible]

7D76	MANDR. PORTAM. IN ROTAZ.	631			
T2D8	REFRIG. ON	514			
7D75	CONF. ARRESTOMANDR. PORTAM.	631			
7R2	POMPAOLIO CUSC. ON	606			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1	43/57	PAGE	
	CONTENTS				
		POMPA			491
	DRAWING NO.	35-80777001-1			

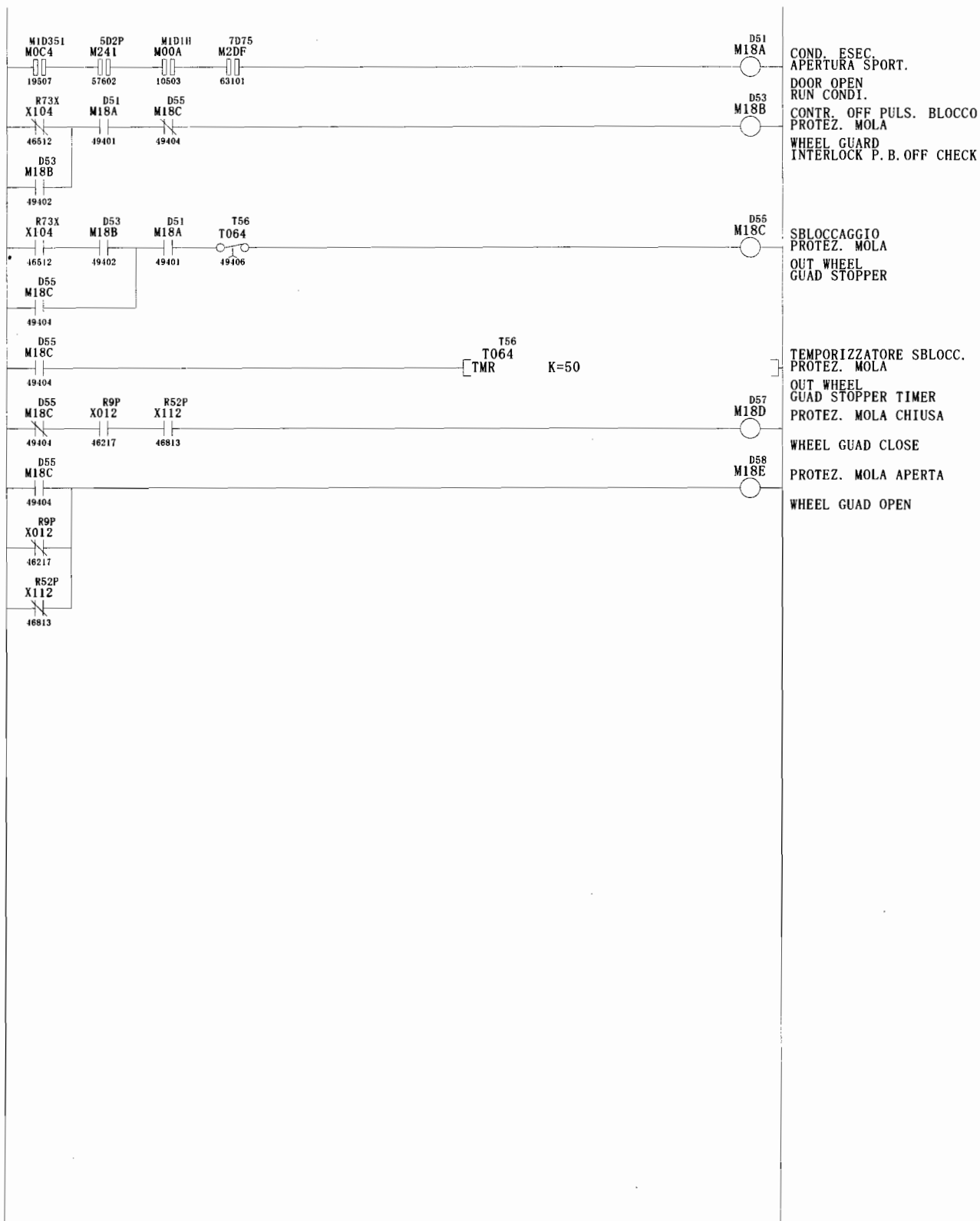
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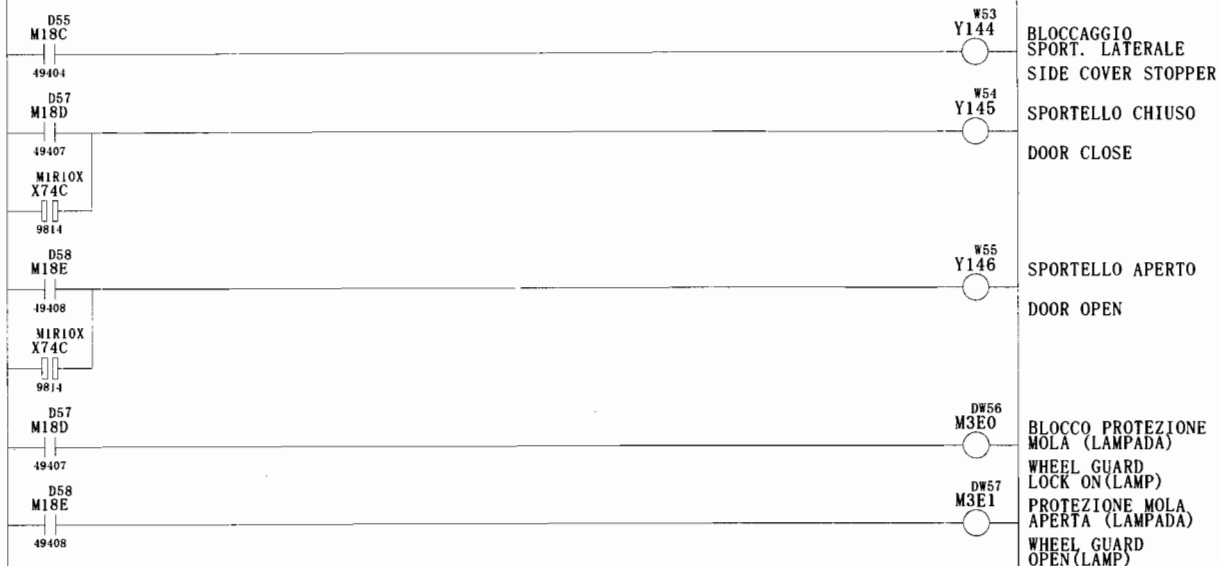
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WIR10X	PROVA LAMPADA	98			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1	47/57	PAGE	
	CONTENTS				495
		PCMPA			
	DRAWING NO.	35-80777001-1			

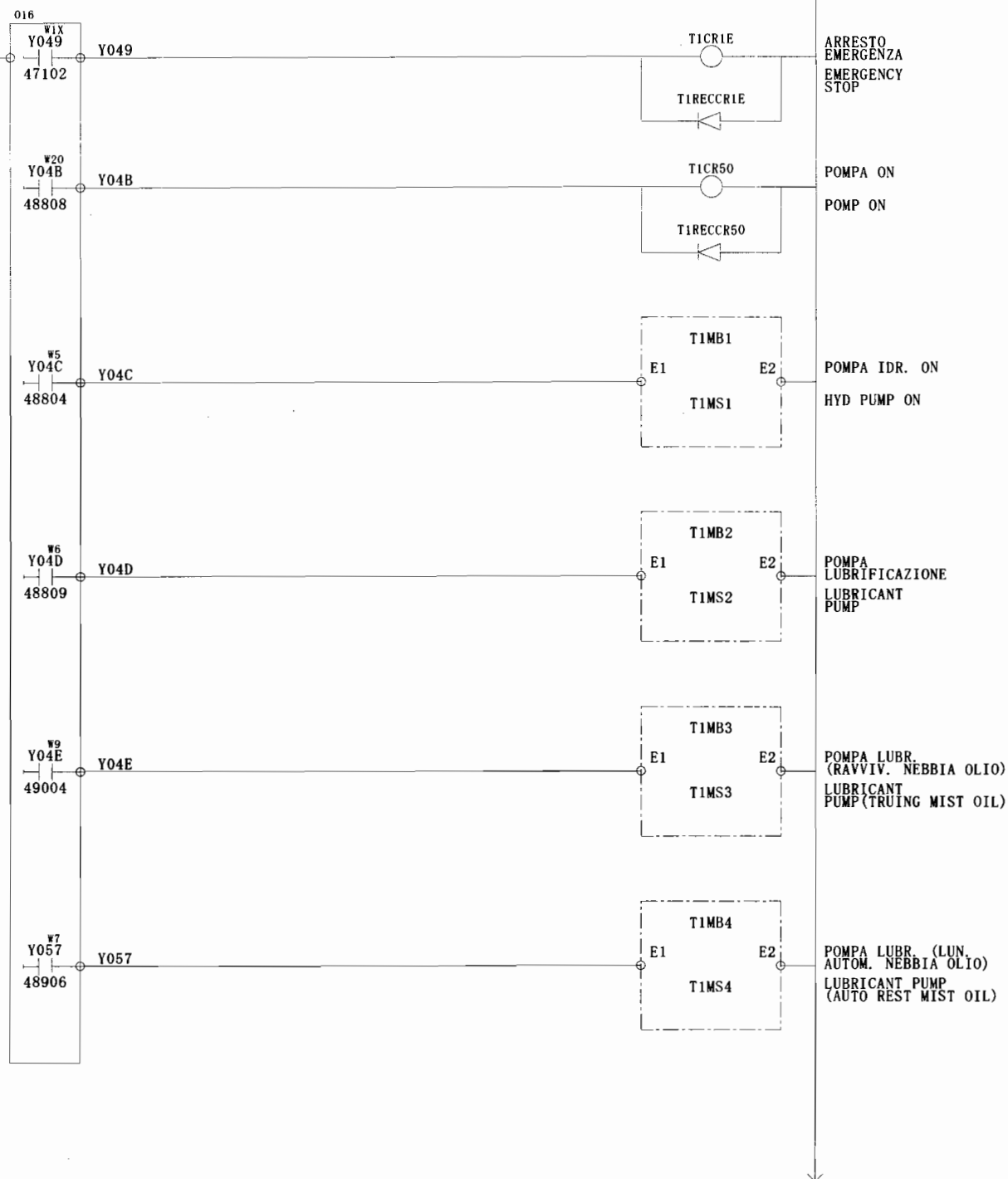
DRAWING VOL. OF STANDARD:

ML OF STANDARD:

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CC 24 V
(DC24V)

ARMADIO DI COMANDO
CONTROL BOX

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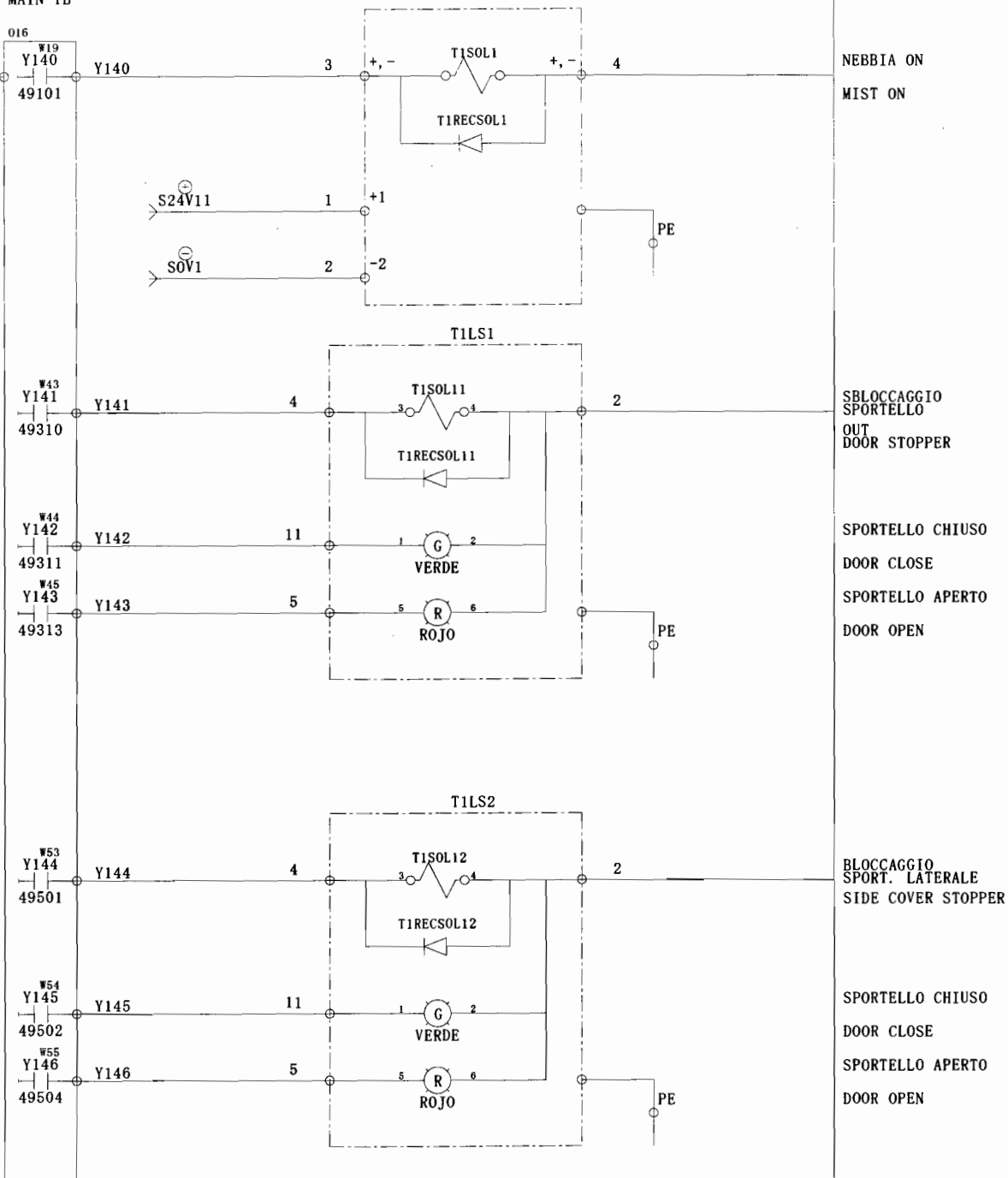
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BT PRINCIPALE

MAIN TB

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DRAWING NO. OF STANDARD:

80777001 OUTPUT: 06/01/24 UPDATE: 05/10/04

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DESIGN NO. OF STANDARD:

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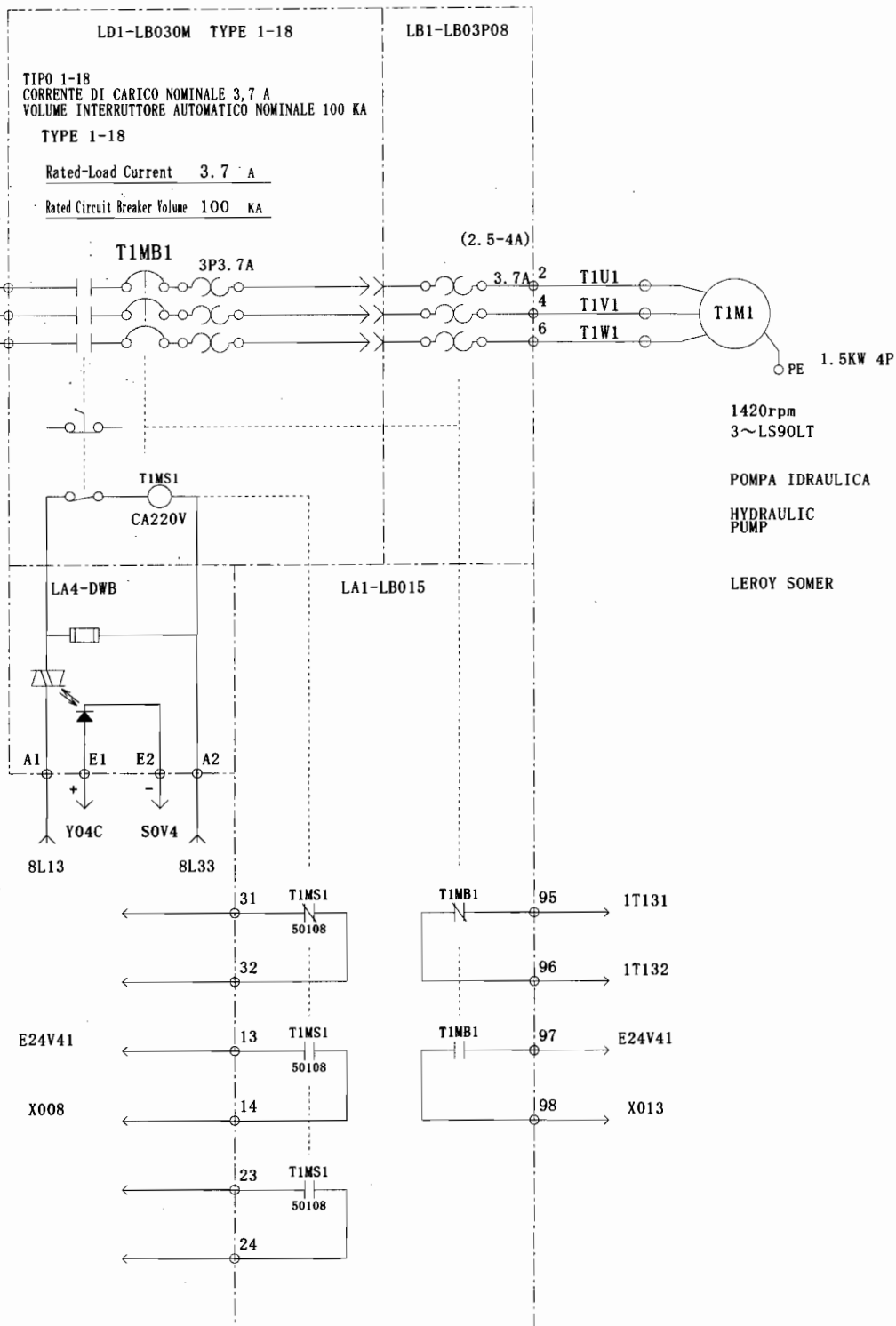
DESIGN NO. OF STANDARD:

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DESIGN NO. OF STANDARD:DESIGN NO. OF STANDARD:

TOYODA MACHINE WORKS, LTD. HAS THE PROPERTY OF THIS DRAWING AND DESIGN SHOWN IN IT. ANY PART OF THIS DRAWING AND DESIGN SHALL NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR PERMISSION OF TOYODA MACHINE WORKS, LTD.

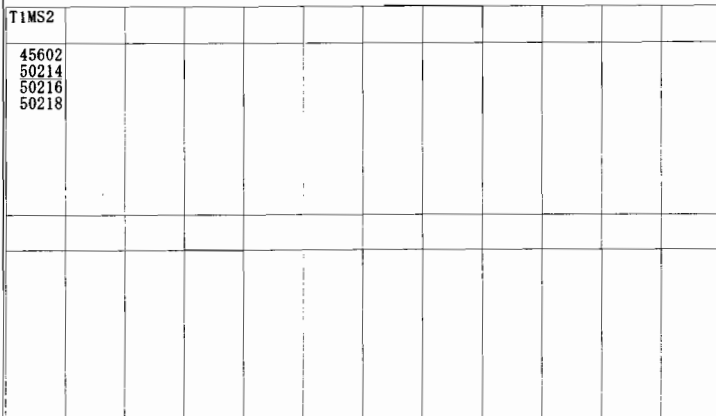
TENSIONE NOMINALE TRIFASE CA 380 V
RATED VOLTAGE THREE PHASE AC380V



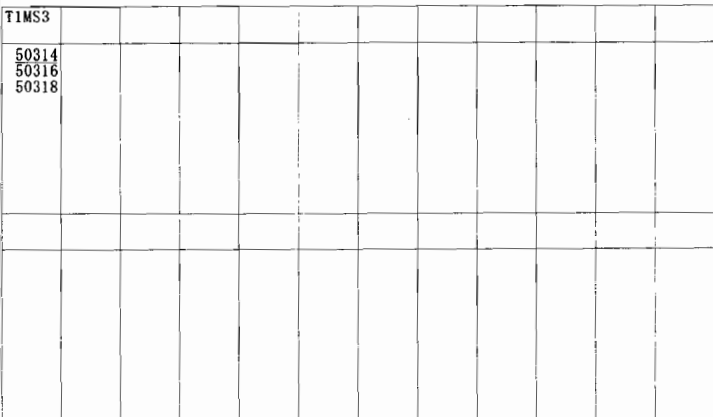
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
45510					
46108					
50114					
50116					
50118					

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T1	53/57	PAGE	
	CONTENTS		POMPA		501
	DRAWING NO.		35-80777001-1		

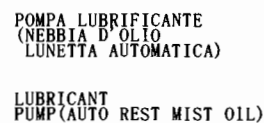
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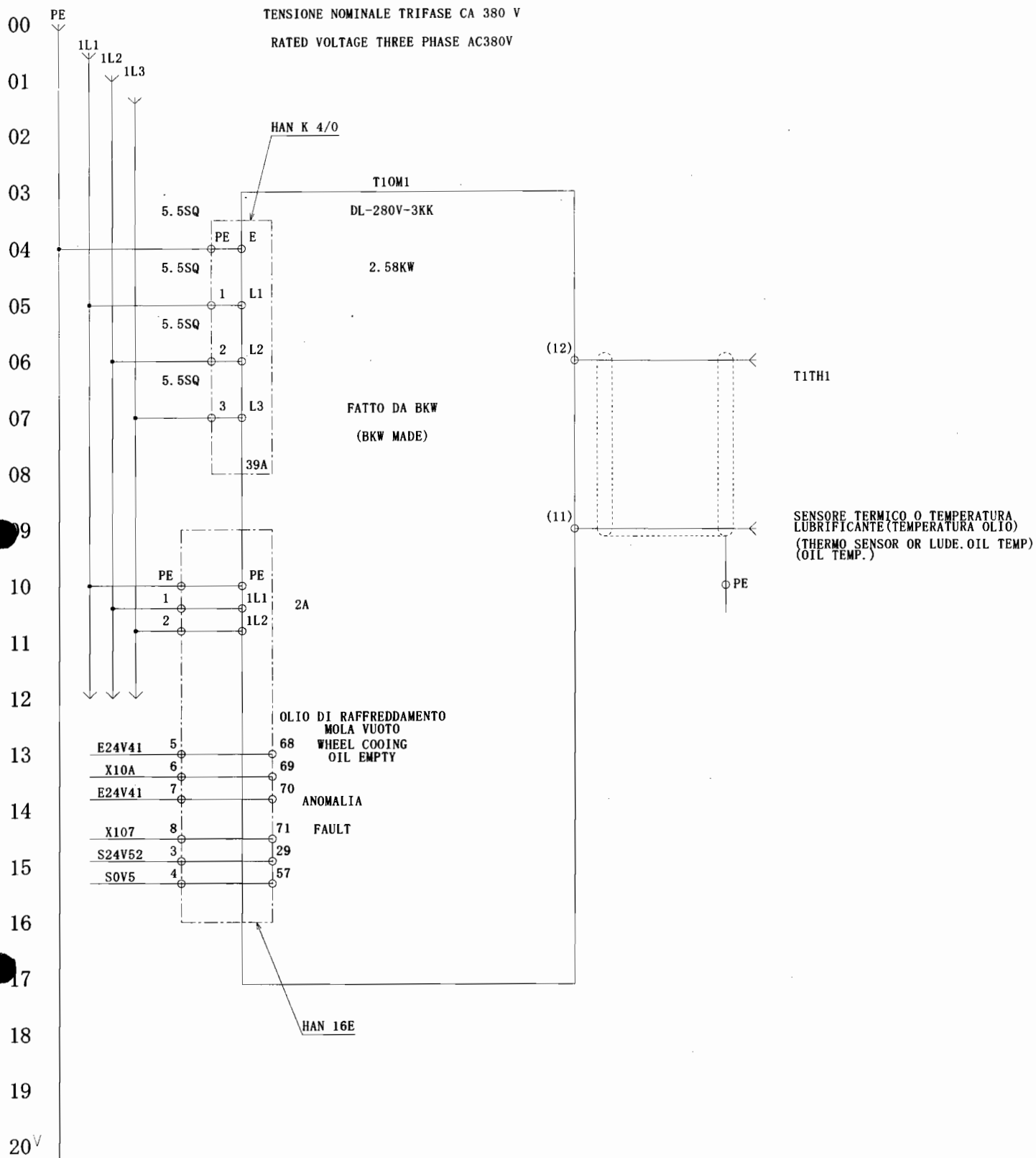
TOYODA MACHINE WORKS, LTD. HAS THE PROPERTY OF THIS DRAWING AND DESIGN SHOWN IN IT. ANY PART OF THIS DRAWING AND DESIGN SHALL NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR PERMISSION OF TOYODA MACHINE WORKS, LTD.

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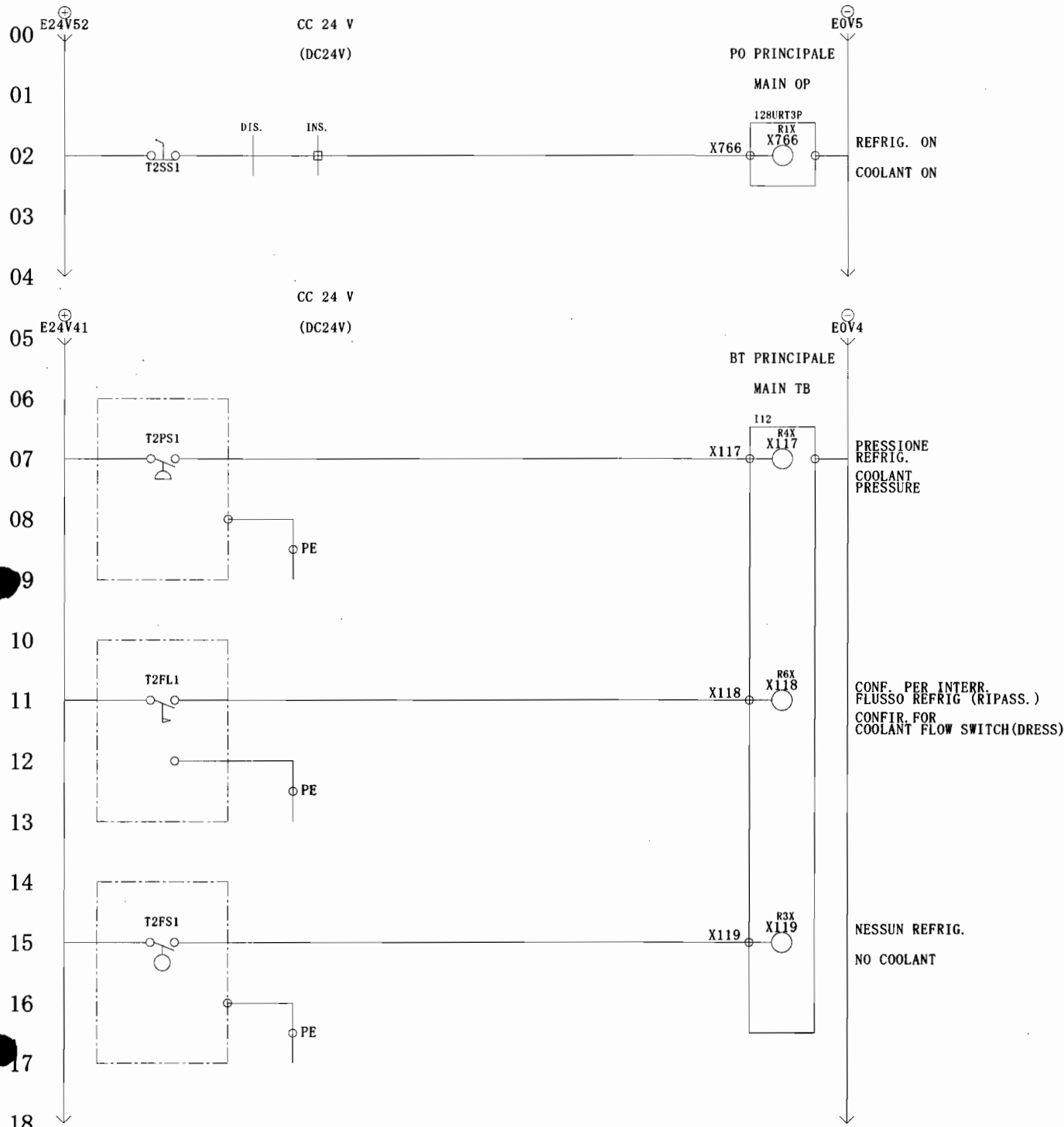
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COILMARK	F U N C T I O N	PAGE	COILMARK	F U N C T I O N	PAGE	
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	CONTENTS POMPA			504		
DRAWING NO. 35-80777001-1						

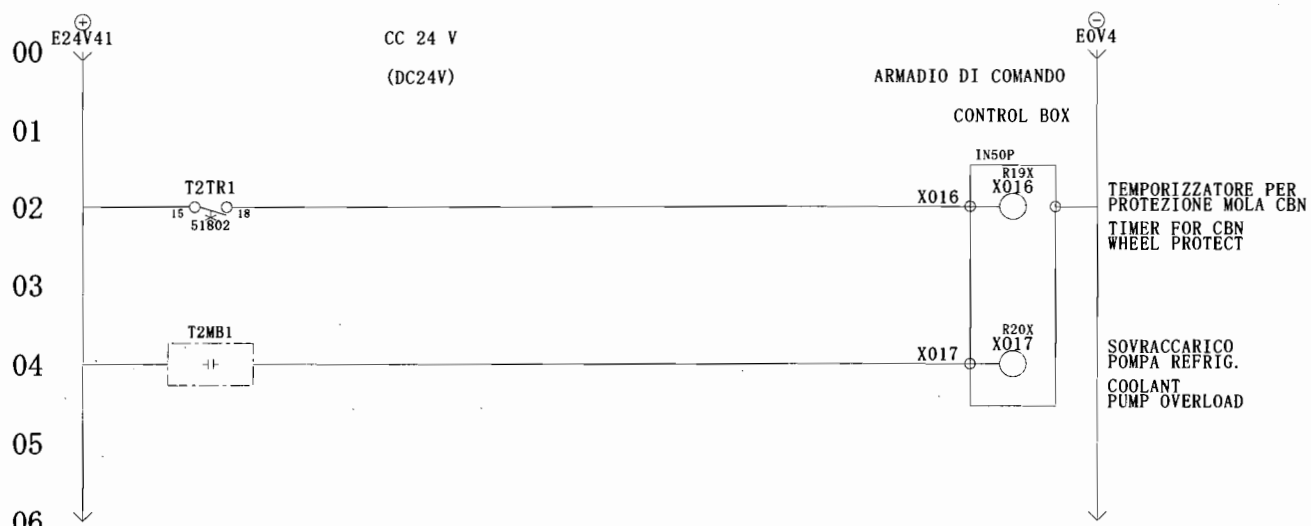
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TOYODA MACHINE WORKS, LTD. HAS THE PROPERTY OF THIS DRAWING AND DESIGN SHOWN IN IT. ANY PART OF THIS DRAWING AND DESIGN SHALL NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR PERMISSION OF TOYODA MACHINE WORKS, LTD.

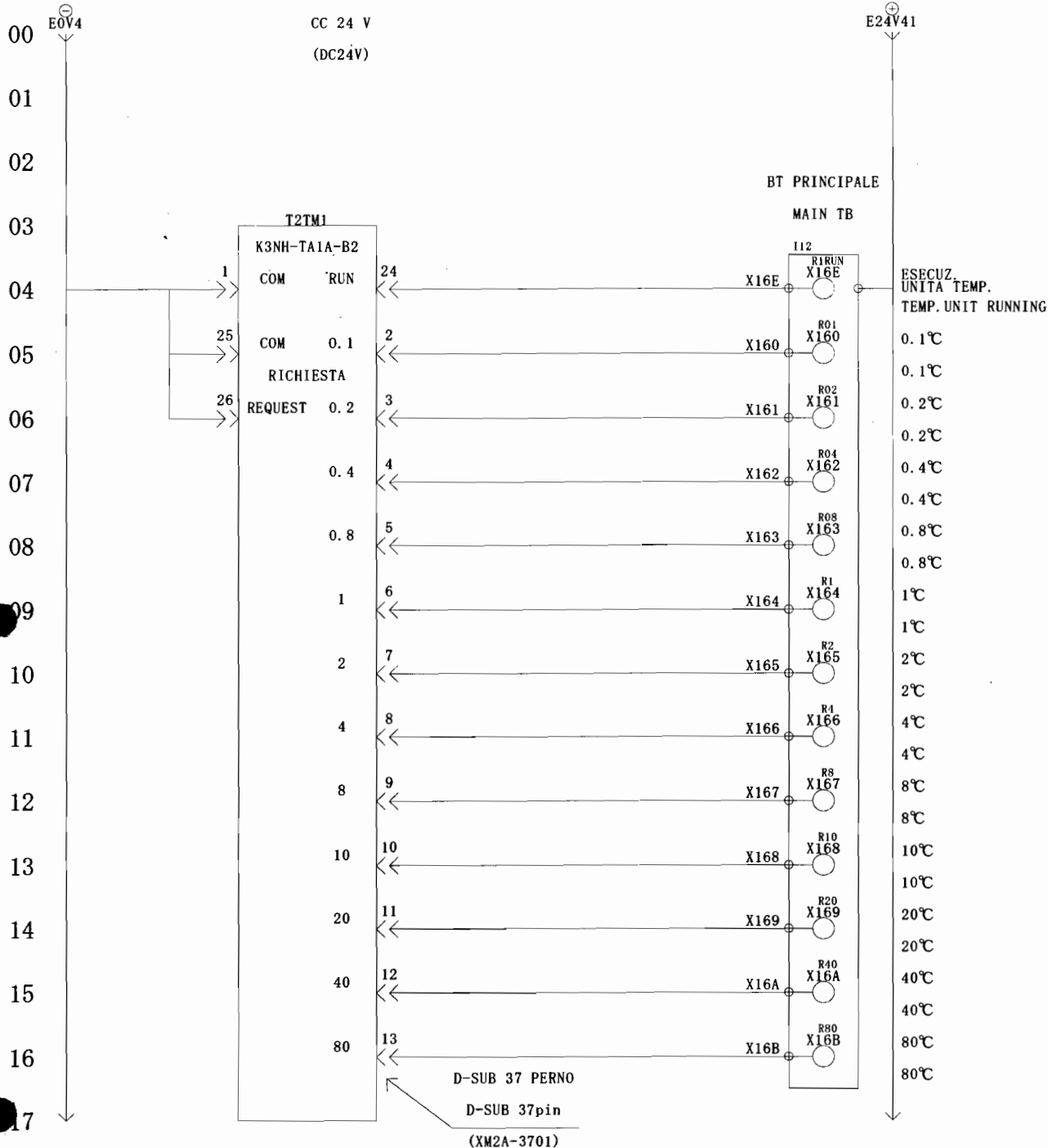


T2R1X	T2R4X	T2R6X	T2R3X																	
51203	50908 50909 51006	51001 51002	50905																	

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T2	1/16		PAGE
	CONTENTS	REFRIGERANTE			506
	DRAWING NO.	35-80777001-1			



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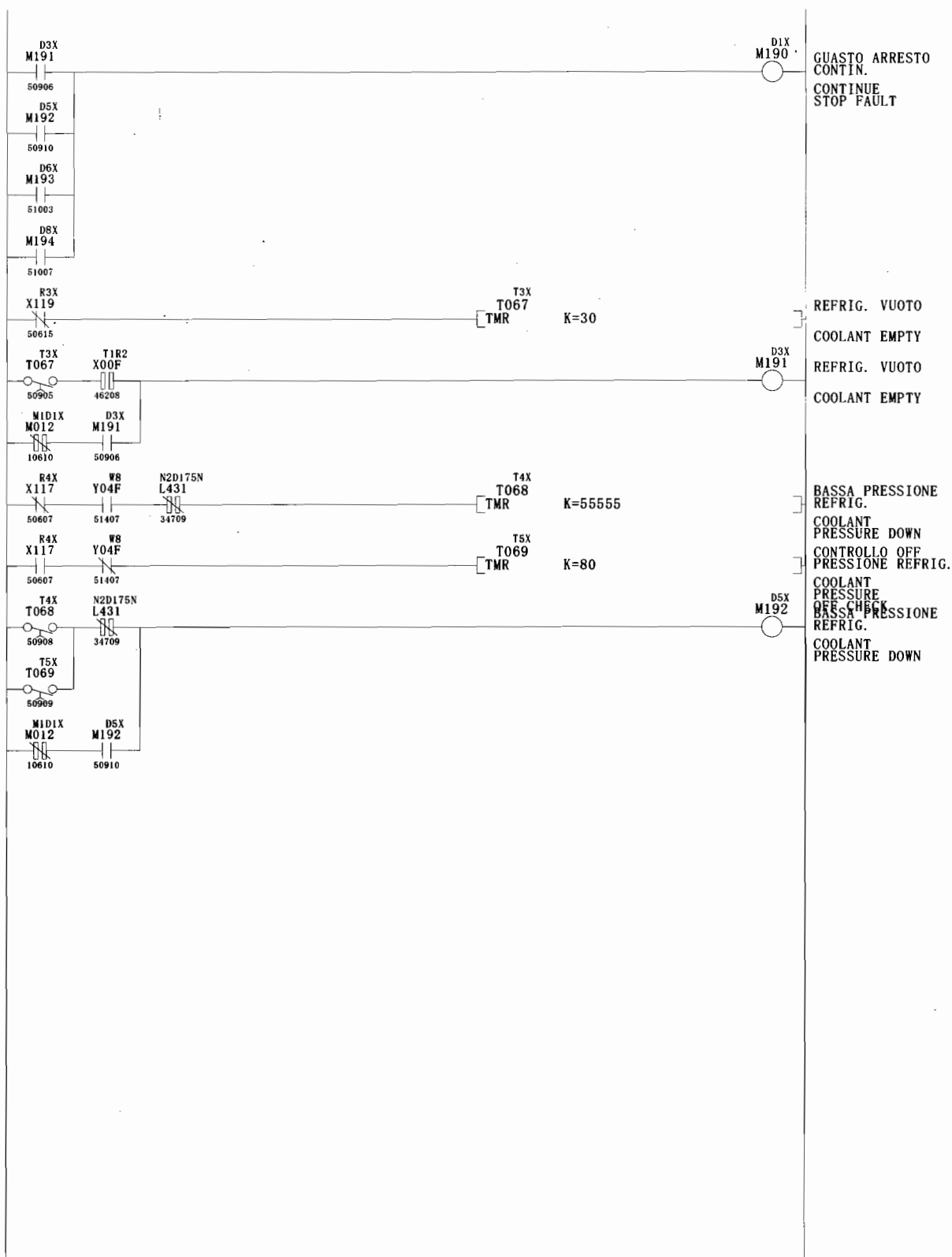


T2R1RU	T2R01	T2R02	T2R04	T2R08	T2R1	T2R2	T2R4	T2R8	T2R10	T2R20	T2R40
51501											
51502											
51503											
51506											
T2R80											

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T2	3/16		PAGE
	CONTENTS		REFRI GERANTE		508
	DRAWING NO.		35-80777001-1		

DRAWING NO. OF STANDARD:

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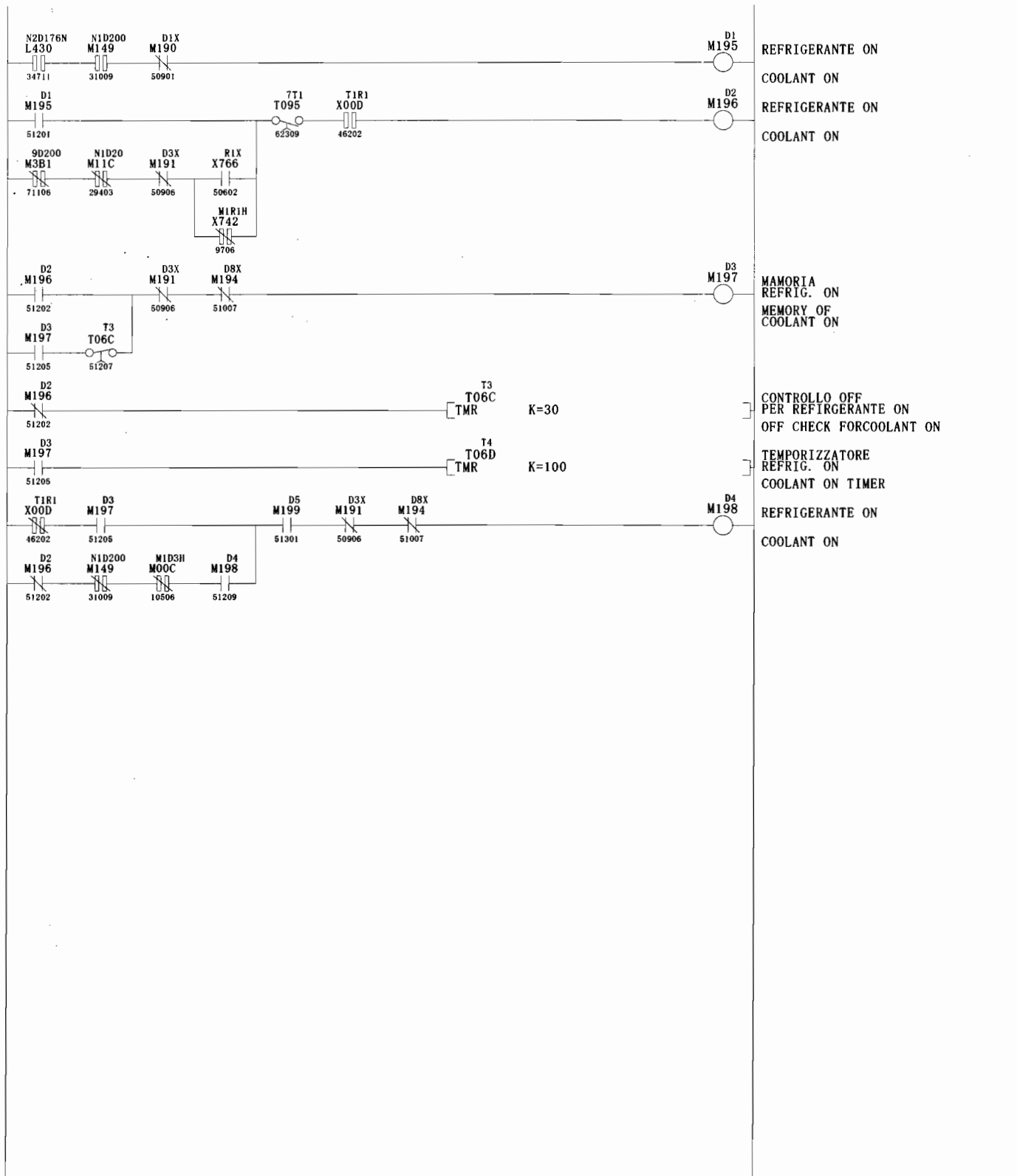
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TIR1	ATTIVAZIONE	CONTROLLO	462		
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	T2	6/16	PAGE	
	CONTENTS	REFRI GERANTE			511
	DRAWING NO.	35-80777001-1			

TOYODA MACHINE WORKS, LTD. HAS THE PROPERTY OF THIS DRAWING AND DESIGN SHALL NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR PERMISSION OF TOYODA MACHINE WORKS, LTD.

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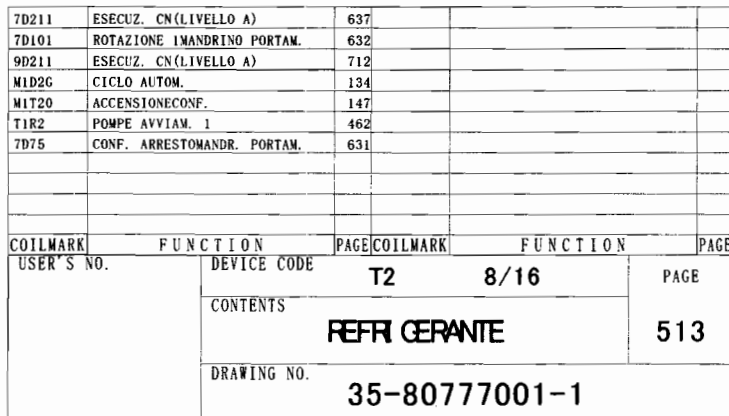


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DRAWING NO. : 35-80777001

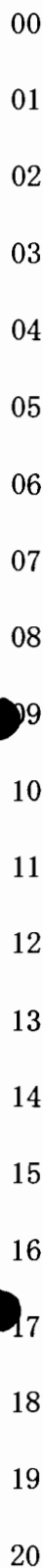
OUTPUT: 06/01/24

UPDATE: 05/10/04



TOYODA MACHINE WORKS, LTD.

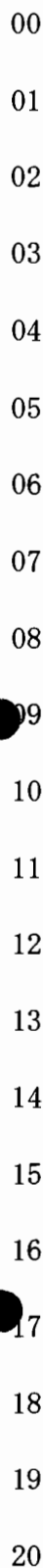
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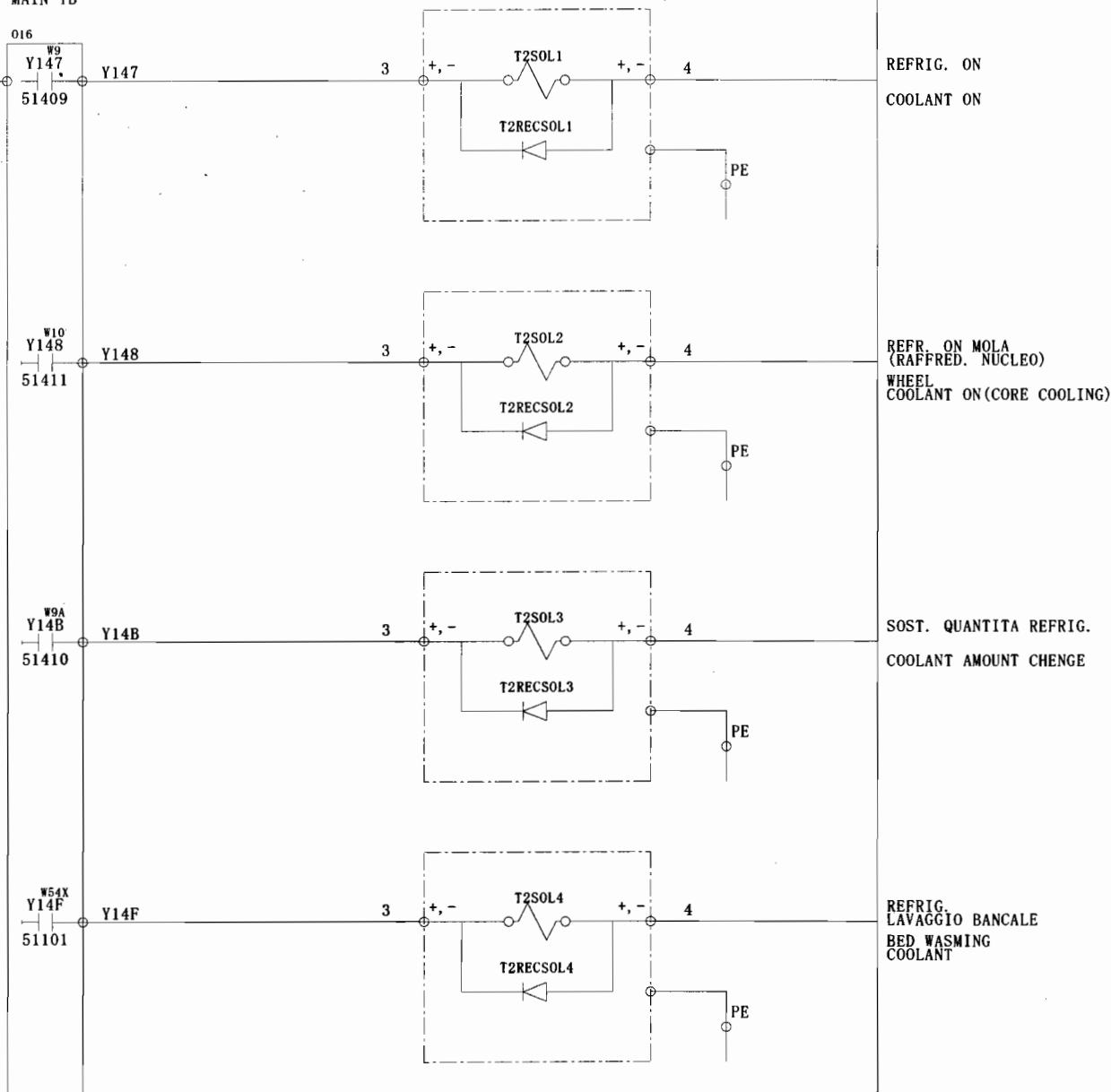


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BT PRINCIPALE

MAIN TB

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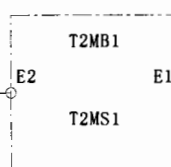
CC 24 V
(DC24V)

 SOV_4^-

ARMADIO DI COMANDO
CONTROL BOX



Y04F



POMPA REFRIG.
ON
COOLANT PUMP
ON

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CC 24 V
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T2MS1
52008

2T10

A schematic diagram of a 2-terminal device. It consists of a central circle representing the device. Two horizontal lines extend from the left and right sides of the circle, labeled B1 and A2 respectively. A vertical line extends downwards from the bottom of the circle, labeled A1.

TEMPORIZZATORE PER
PROTEZIONE MOLA CBN
TIMER FOR CBN WHEEL PROTECT

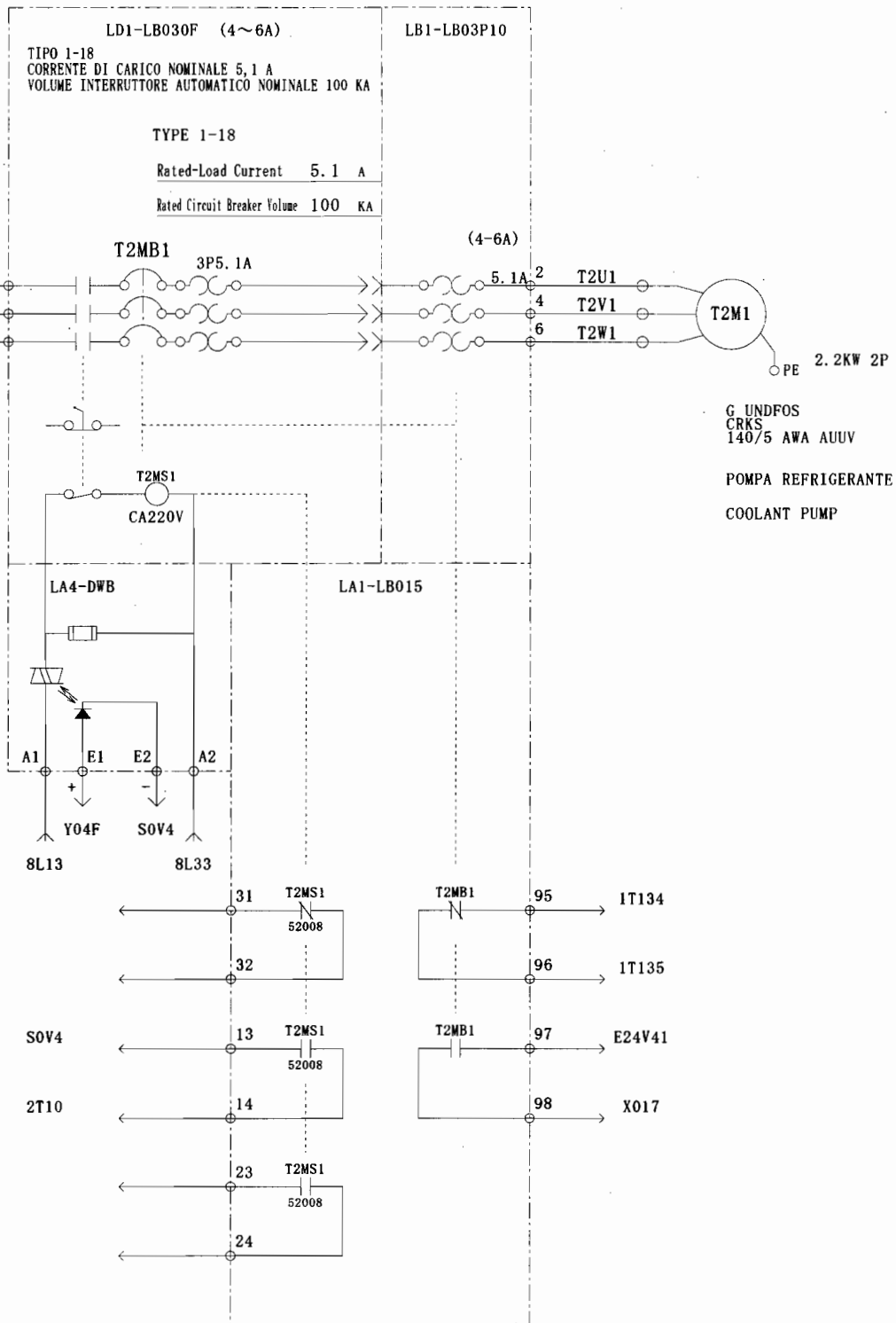
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T2CR10
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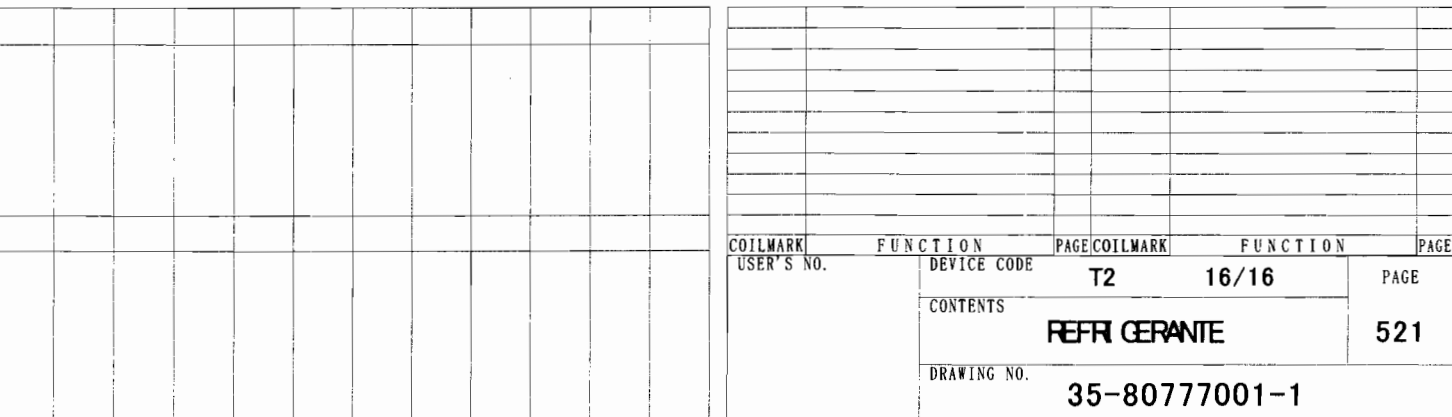
COILMARK USER'S NO.	FUNCTION DEVICE CODE	PAGE	COILMARK 	FUNCTION T2 14/16	PAGE 519
	CONTENTS			REFRIGERANTE	
	DRAWING NO.			35-80777001-1	

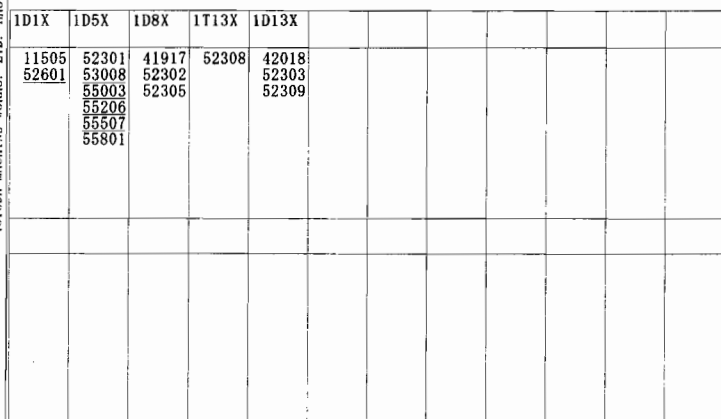
TENSIONE NOMINALE TRIFASE CA 380 V
RATED VOLTAGE THREE PHASE AC380V



T2MS1
51802 52014 52016 52018

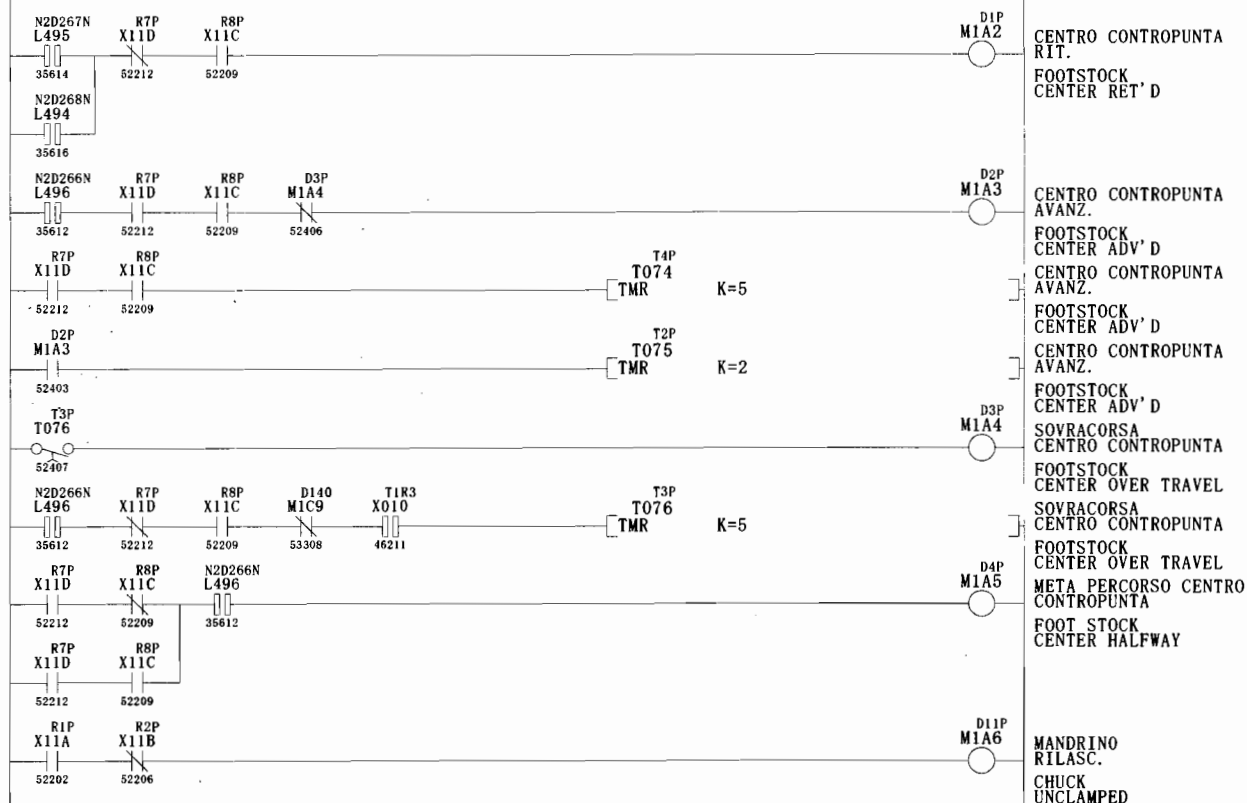
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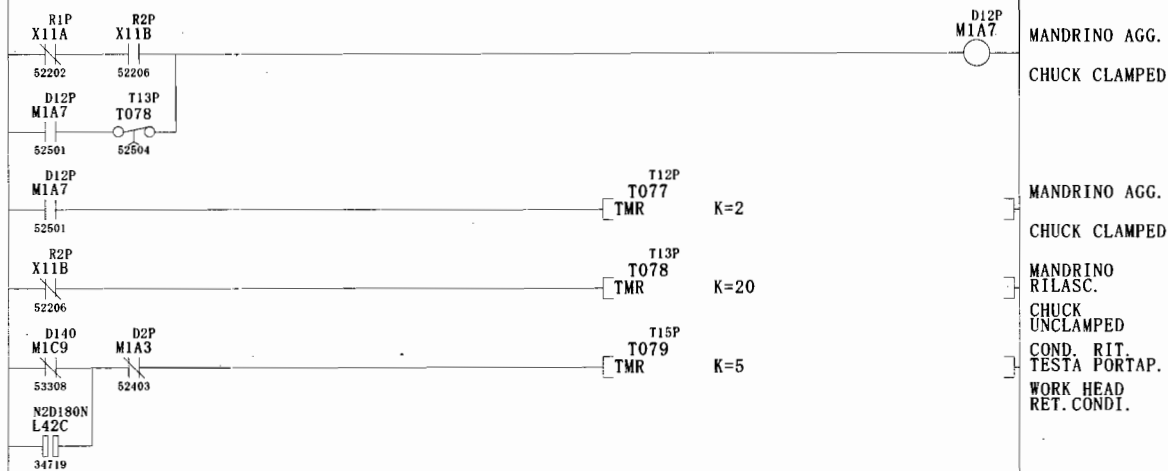
DRAWING NO. : 35-80777001 OUTPUT : 06/01/24 UPDATE : 05/10/04 TOYODA MACHINE WORKS. LTD.

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N2D267N	POS. PART. RETTIF.ASSE B PSW	356			
N2D268N	POS. PART.ASSE B PSW	356			
N2D266N	POS. AVANZ.ASSE B PSW	356			
TIR3	SERVO ONCOMPLETO	462			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	1	3/15		PAGE
	CONTENTS	CENTRO CONTROPUNTA			524
	DRAWING NO.	35-80777001-1			

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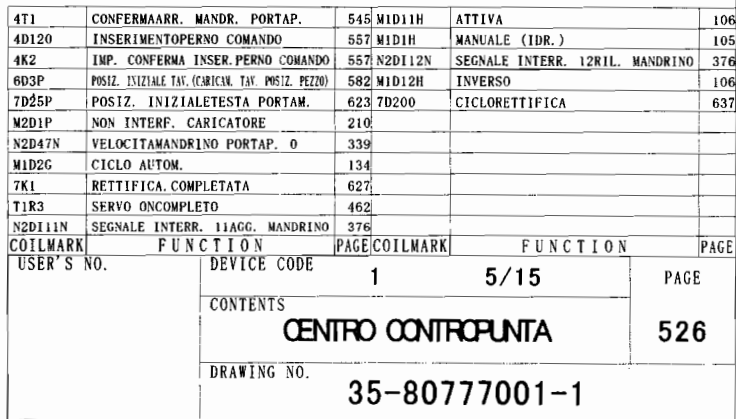
N2D180N	USCITA DATI 52RETROC. ASSE B	347			
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USER'S NO.	DEVICE CODE	1	4/15	PAGE	
	CONTENTS	CENTRO CONTROPUNTA			525
	DRAWING NO.	35-80777001-1			

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DRAWING NO. : 35-80777001

OUTPUT: 06/01/24

UPDATE: 05/10/04



PAGE

526

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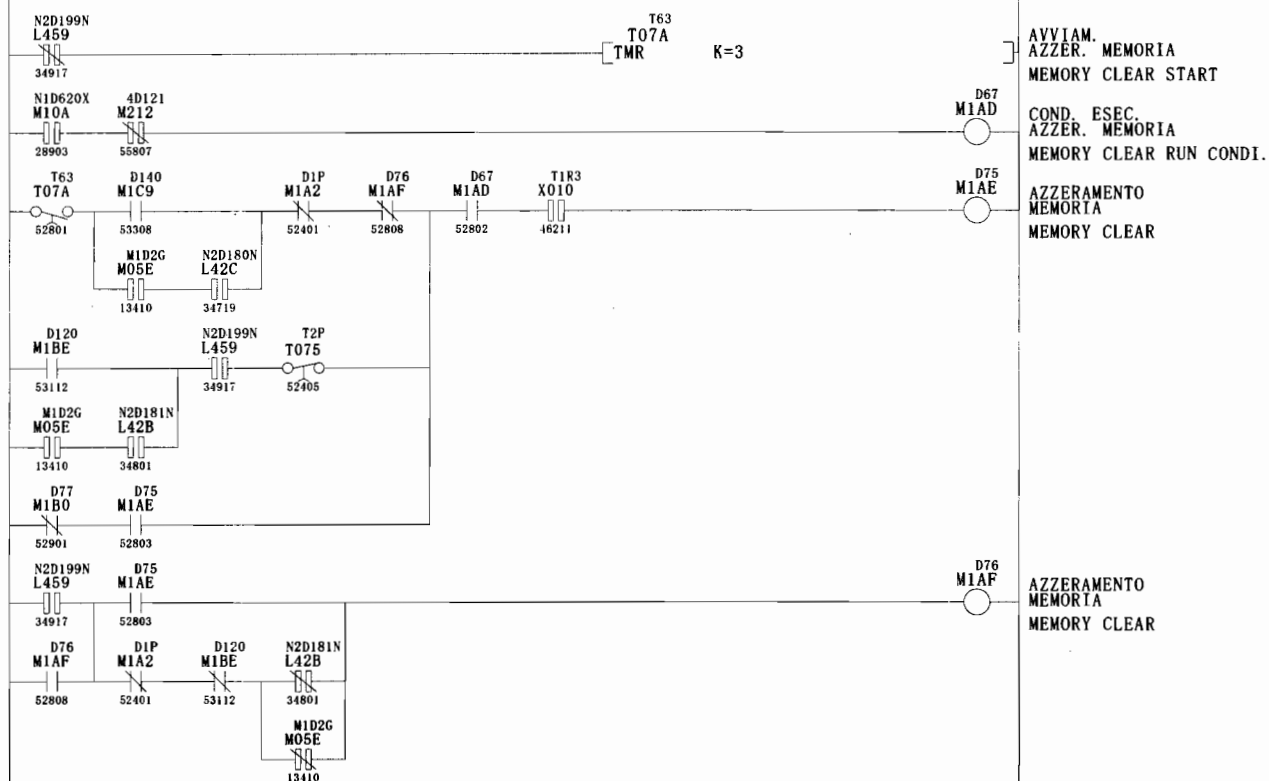
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UPDATE: 05/10/04

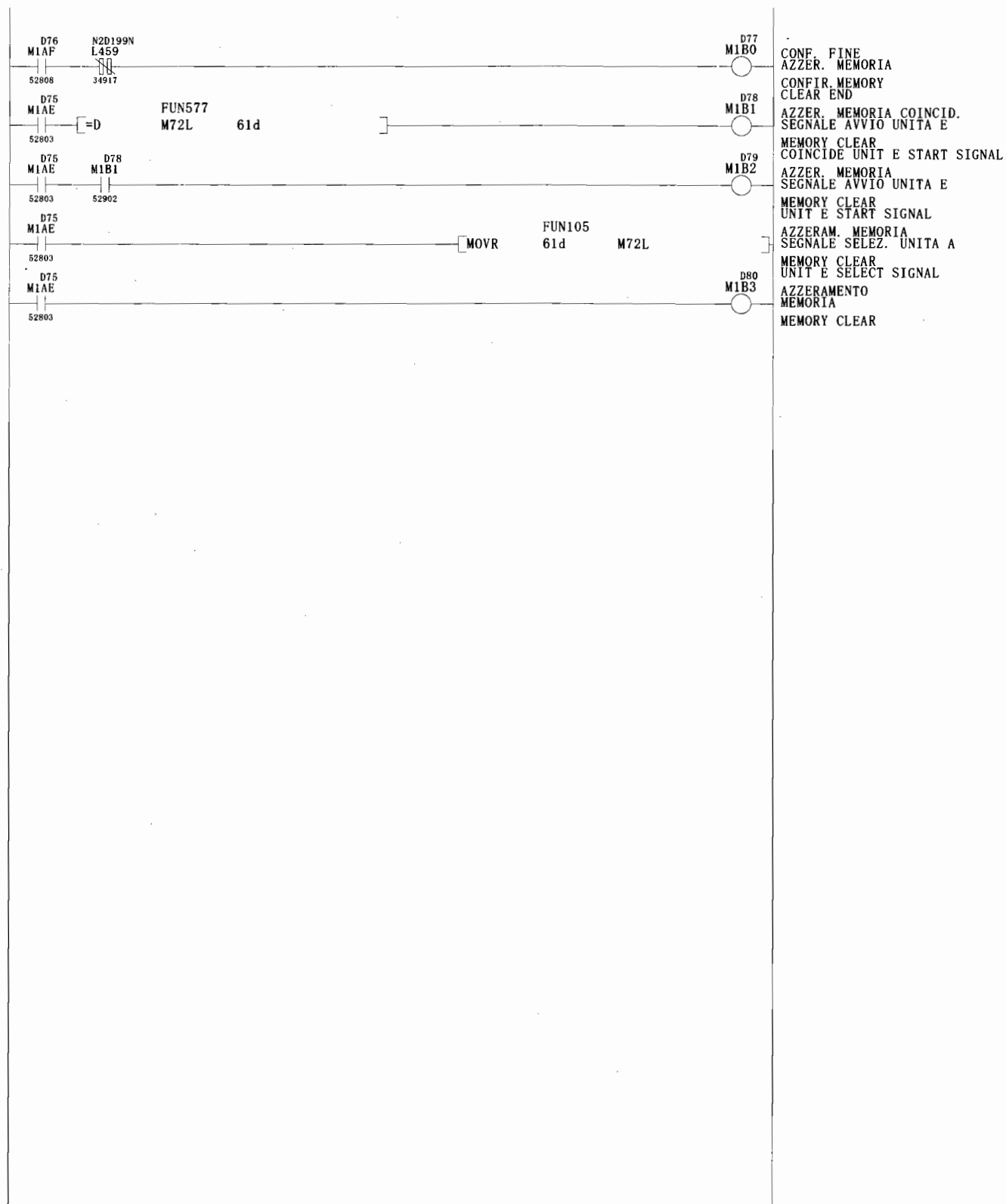


4T1	CONFERMAARRE. MANDR. PORTAP.	545	M1D1H	MANUALE (IDR.)	105
6D3P	POSIZ. INIZIALE TAV. (CARICAM. TAV. POSIZ. PEZZO)	582	N1D200	PROGRAMMA CN IN CORSO	310
7D25P	POSIZ. INIZIALETESTA PORTAM.	623	N2D11N	SEGNALE INTERR. 11AGG. MANDRINO	376
N2D221N	USCITA DATI 931ND. MANDRINO PORTAP.	352	M1D12H	INVERSO	106
M2D1P	NON INTERF. CARICATORE	210	M1V72	OROLOGIO1 SECONDO	101
M1D2G	CICLO AUTOM.	134	T1T5	TENPORIZZATORE ON ESEC. RISPARMIO ENERG.	488
7K1	RETTIFICA, COMPLETATA	627			
4D3P	POS. INIZ. (POS. PEZZO)MANDRINO PORTAP.	545			
T1R3	SERVO ONCOMPLETO	462			
N2D112N	SEGNALE INTERR. 12R1L. MANDRINO	376			
M1D1H	ATTIVA	106			
COLLMARK	FUNCTION	PAGE	COLLMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	1	6/15	PAGE	
	CONTENTS	CENTRO CONTROPUNTA			527
	DRAWING NO.	35-80777001-1			

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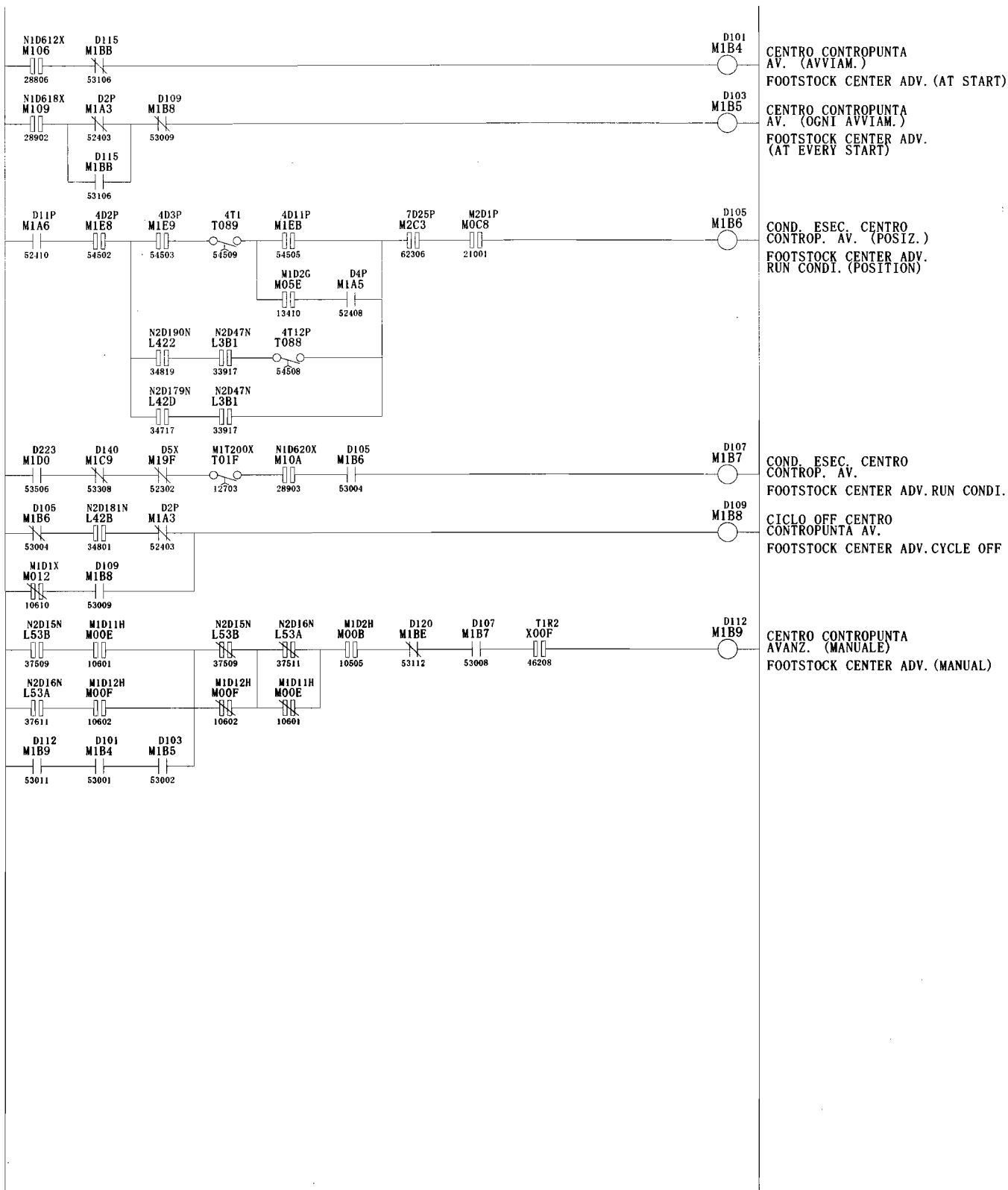
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53013	53013	53008	53011	53002	53013						
53101	53101	53009	53102	53010	53101						
53102	53102	53009	53106	53511	53301						

N1D612X	COND. AVVIO EST. C(ALL'AVVIO)	288	4T12P	LUN. AUTOM. AVANZ.	545
N1D618X	COND. AVVIO EST. C(OGNI AVVIO)	289	N2D179N	USCITA DATI 51CICLO CONTR. PERNO	347
4D2P	AV. CENTROTESTA PORTAP.	545	M1T200X	SELEZ. PEZZO COMPLETA	127
4D3P	POS. INIZ. (POS. PEZZO)MANDRINO PORTAP.	545	N1D620X	COND. ESEC. AVVIO EST.	289
4T1	CONFERMAARR. MANDR. PORTAP.	545	N2D181N	USCITA DATI 53AVANZ. ASSE B	348
4D11P	LUN. AUTOM. RIT.	545	M1D1X	RESET ERRORI	106
7D25P	POSIZ. INIZIALETESTA PORTAM.	623	N2D15N	SEGNLE INTER. 5AVANZ. CENTRO CONTROPUNTA	375
M2D1P	NON INTERF. CARICATORE	210	M1D11H	ATTIVA	106
M1D2G	CICLO AUTOM.	134	N2D16N	SEGNLE INTER. SRETR. CENTRO CONTROPUNTA	375
N2D190N	USCITA DATI 62NEM. COMPL. RETTIF. PROVA	348	M1D2H	MANUAL (INIZIO EST.)	105
N2D47N	VELOCITAMANDRINO PORTAP. 0	339	T1R2	POMPE AVVIAM. 1	462
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE

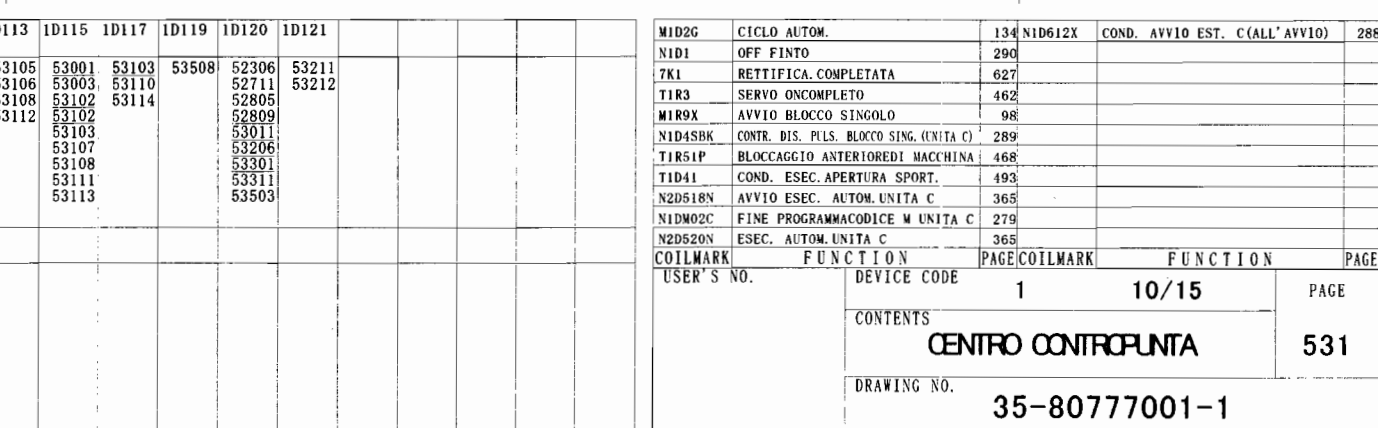
USER'S NO.	DEVICE CODE	1	9/15	PAGE
CONTENTS				530
CENTRO CONTROPUNTA				
DRAWING NO.				35-80777001-1

ORDERING NO. OF STANDARD:

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WD12H	INVERSO	106			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	1	9/15	PAGE	
	CONTENTS	CENTRO CONTROPUNTA			530
	DRAWING NO.	35-80777001-1			

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05/10/04 TOYODA MACHINE WORKS. LTD.

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DRAWING NO. : 35-80777001 OUTPUT: 06/01/24 UPDATE: 05/10/04 TOYODA MACHINE WORKS. LTD.

DRIVING 30. 67 STANDARD:

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4K2	IMP. CONFERMA INSER. PERNO COMANDO	557			
TIR3	SERVO ONCOMPLETEO	462			
NIDM02C	FINE PROGRAMMACODICE M UNITA C	279			
N2D520N	ESEC. AUTOM.UNITA C	365			
N2D518N	AVVIO ESEC. AUTOM.UNITA C	365			
NIDM34A	LIMITE ALIM. CODICE M UNITA A	274			
NID200	PROGRAMMA CN IN CORSO	310			
NIDM34C	CODICE M UNITA C	280			
N2D181N	USCITA DATI S3AVANZ. ASSE B	348			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	1	12/15	PAGE	
	CONTENTS	CENTRO CONTROPUNTA			533
	DRAWING NO.	35-80777001-1			

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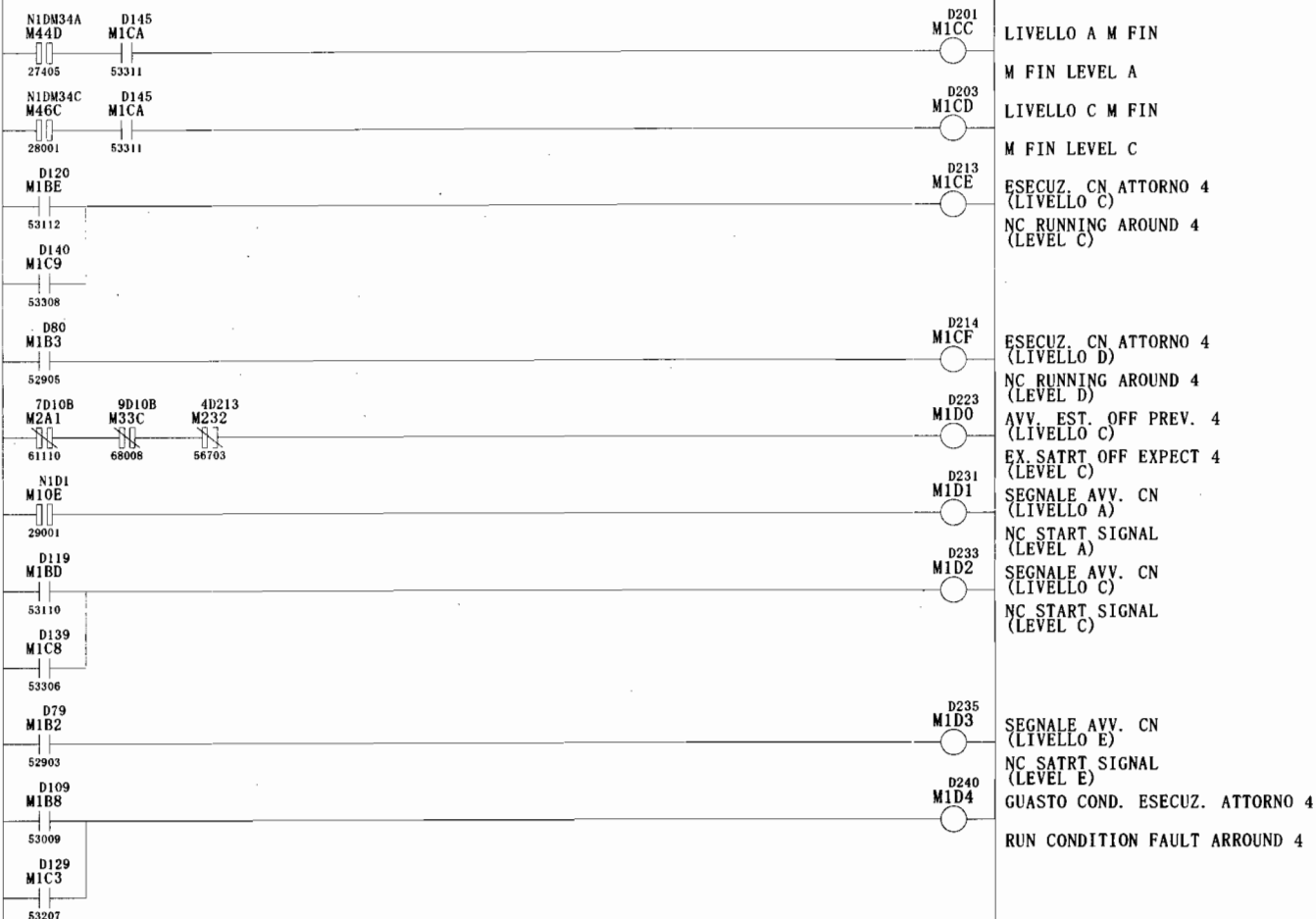
DRAWING NO. : 35-80777001

OUTPUT: 06/01/24

UPDATE: 05/10/04

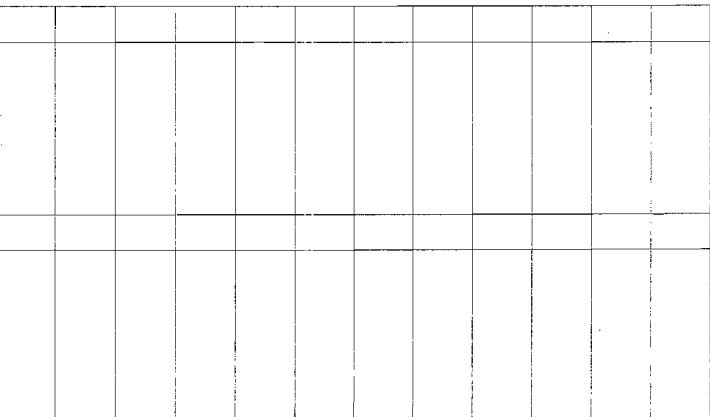


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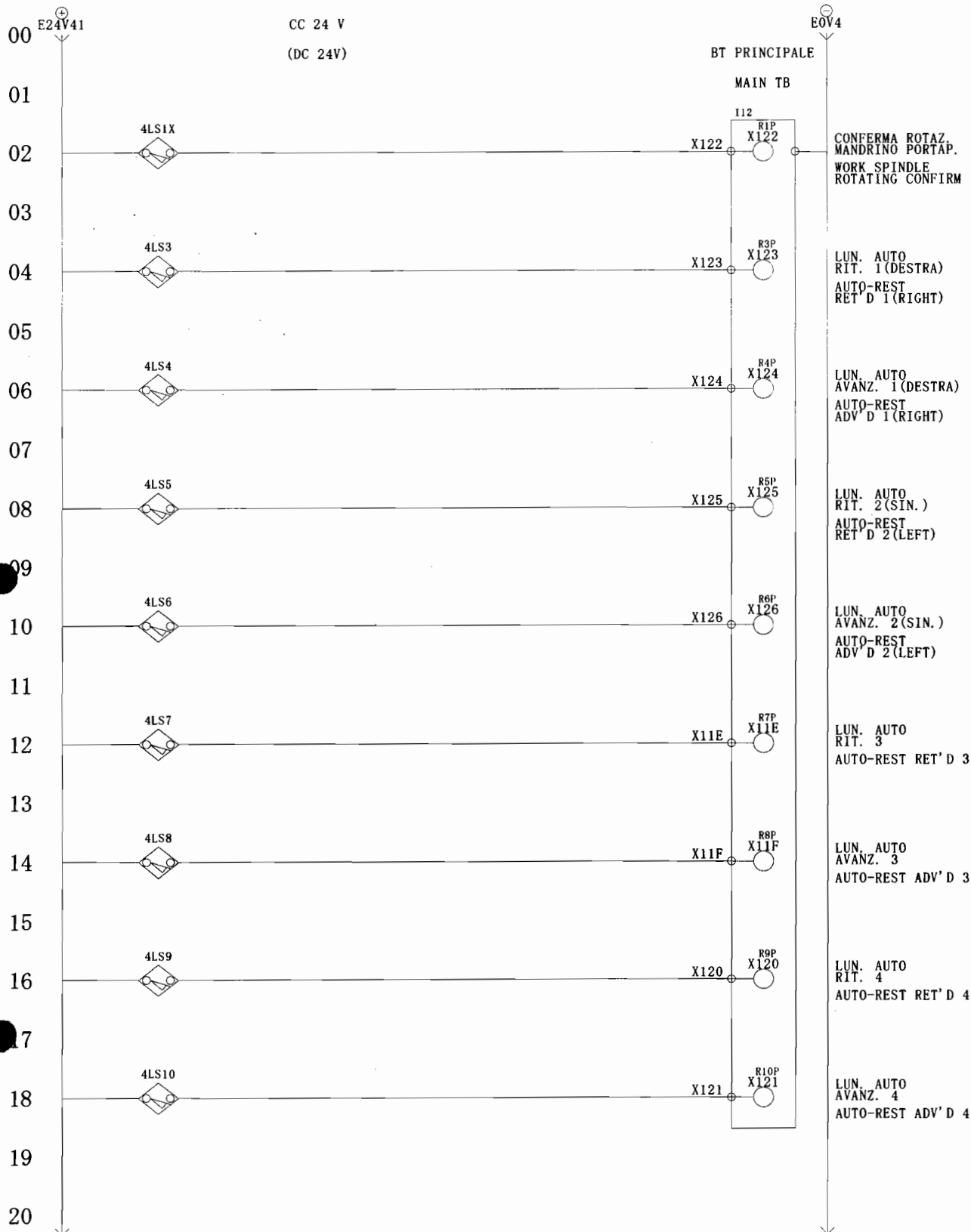
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NIDM34C	CODICE M UNITA C	280			
7D10B	CICLO RITORNO	611			
9D10B	RITORNORIPASSATORE	680			
4D213	ESECUZIONE CN ATTORNO 4(LIVELLO C)	567			
N1D1	OFF FINTO	290			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	1	14/15		PAGE
	CONTENTS	CENTRO CONTROPUNTA			535
	DRAWING NO.	35-80777001-1			

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UPDATE: 05/10/04

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4R1P	4R3P	4R4P	4R5P	4R6P	4R7P	4R8P	4R9P	4R10P			
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54108	54602	54602	54602	54602	54602	54602	54602	54602			
54201	72406	72406	72411	72411	72416	72416	72501	72501			
54203	72614	72702	72615	72703	72616	72704	72617	72705			
54303	72914	72909	73005	72919	73015	73010	73105	73020			
54304											

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	4	1/38		PAGE
	CONTENTS				
	MANDRINO PORTAPEZZO				537
	DRAWING NO.				
	35-80777001-1				

DRAWING NO. OF STANDARD:

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TESTA PORTAP.
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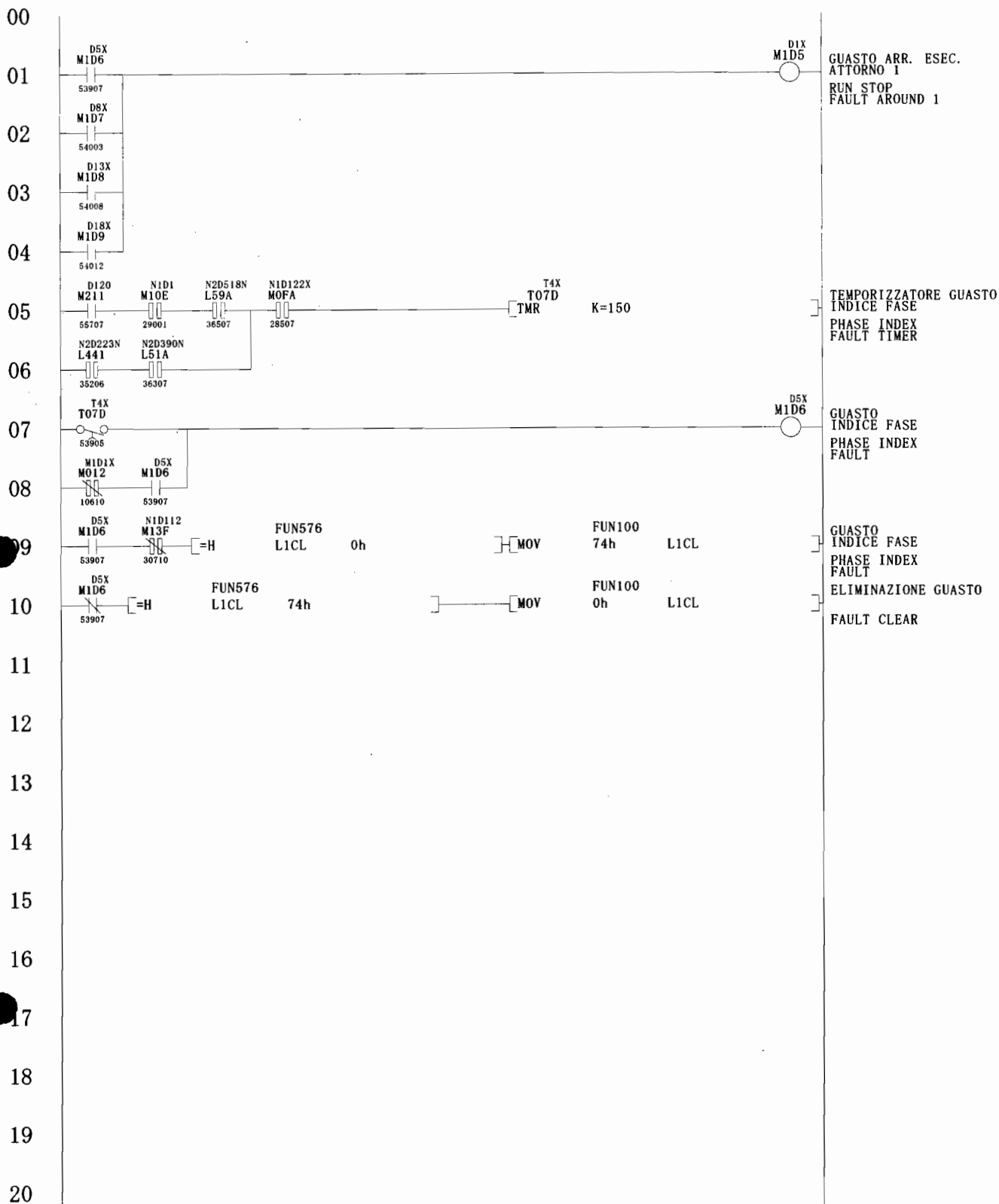
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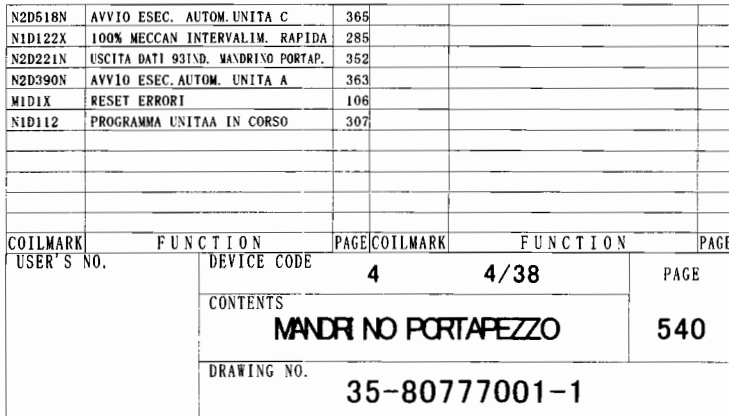
DRAWING NO. : 35-80777001

OUTPUT: 06/01/24

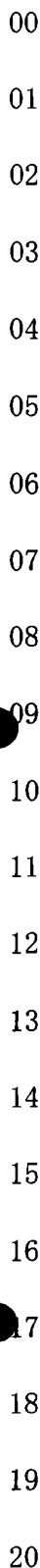
UPDATE: 05/10/04

TOYODA MACHINE WORKS, LTD.

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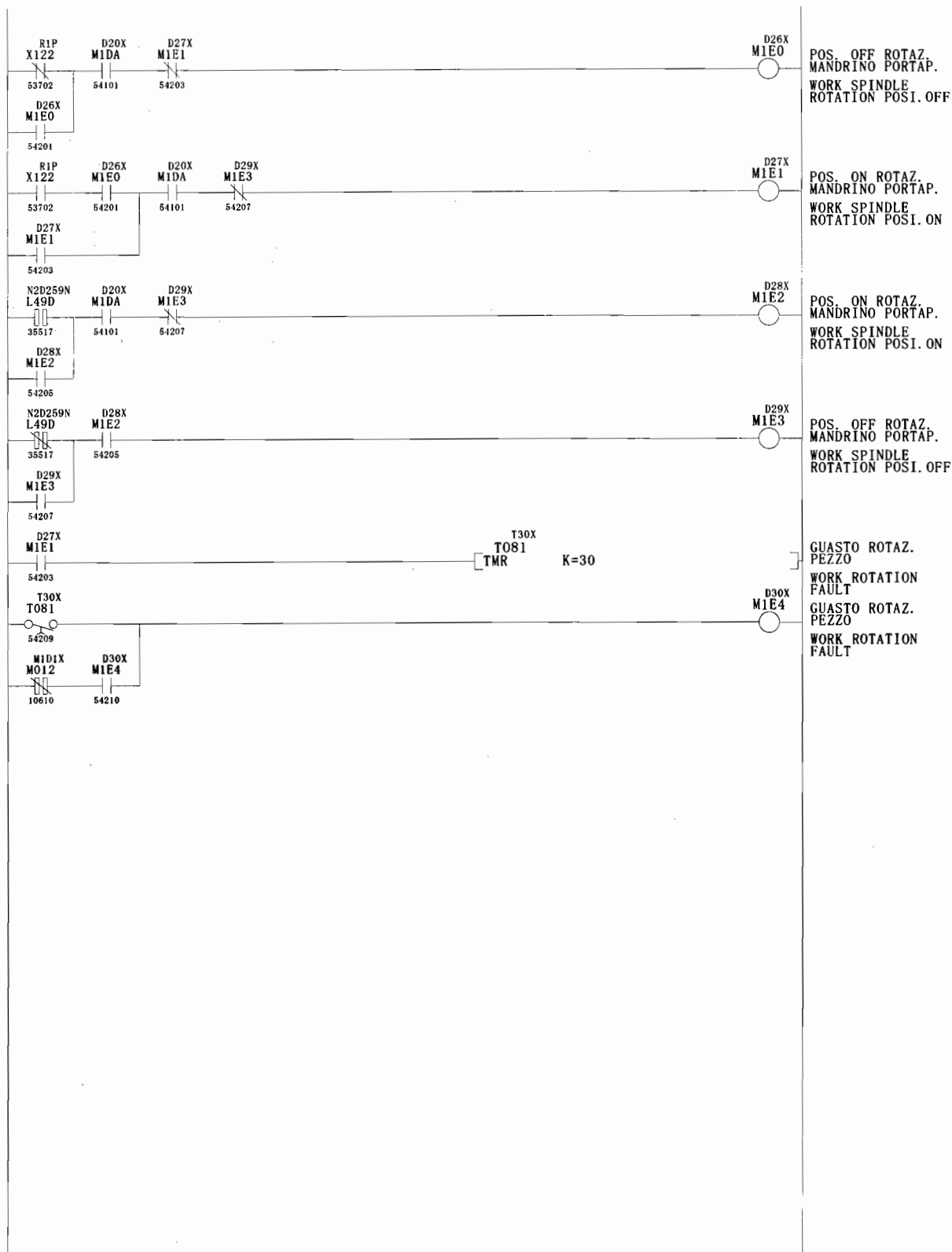
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N1D200	PROGRAMMA CN IN CORSO	310			
N2D184N	USCITA DATI 56GUASTO ROT. PEZZO	348			
N2D390N	AVVIO ESEC. AUTOM. UNITA A	363			
N2D259N	POS. ARRESTO ASSE C PST(GUASTO ROTAZIONE)	355			
M1D1X	RESET ERRORI	106			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	4	5/38	PAGE	
	CONTENTS				
	MANDRI NO PORTAPEZZO				541
	DRAWING NO.	35-80777001-1			

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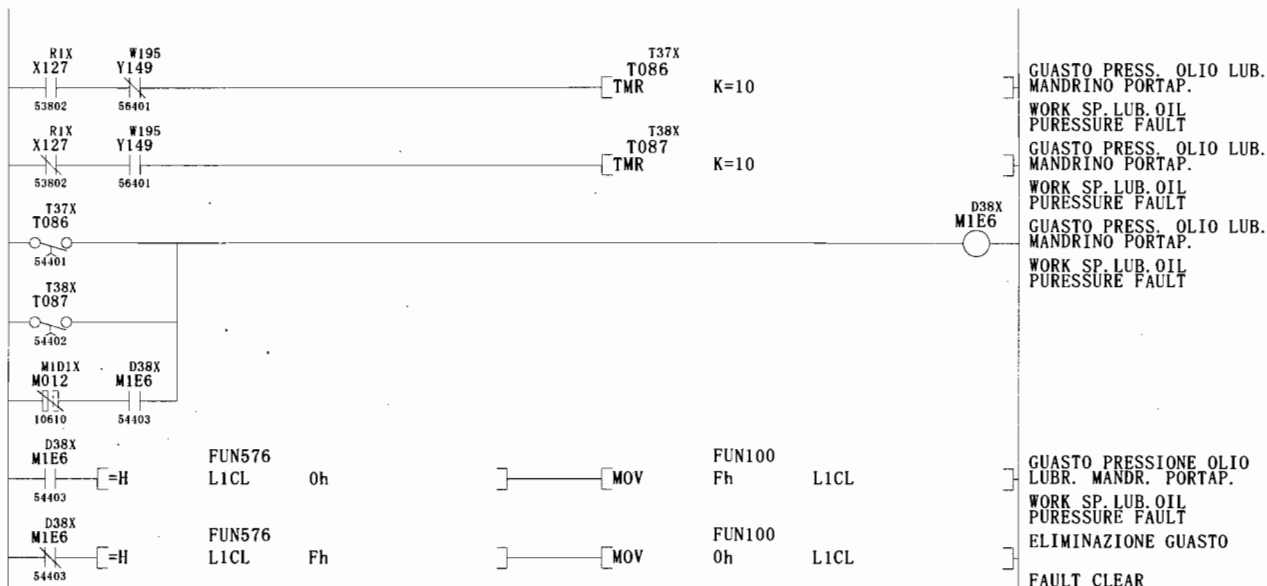
OUTPUT: 06/01/24

UPDATE: 05/10/04



TOYODA MACHINE WORKS, LTD.

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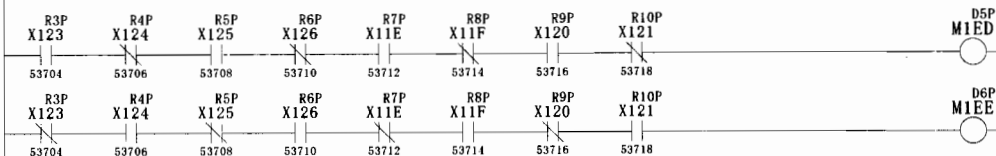
WIDIX	RESET ERRORI	106			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	4	8/38	PAGE	
	CONTENTS	MANDRI NO PORTAPEZZO			544
	DRAWING NO.	35-80777001-1			

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N2D311N	POS. PART. RETTIF.ASSE 'Y PSW	359
N2D312N	POS. AVANZ.ASSE 'Y PSW	359
N2D260N	POS. PART.ASSE C PSW	355
N2D259N	POS. ARRESTO ASSE C PSW(QUASTO ROTAZIONE)	355
N2D47N	VELOCITAMANDRINO PORTAP. O	339
COILMARK	FUNCTION	PAGE COILMARK FUNCTION PAGE
USER'S NO.	DEVICE CODE 4	9/38
	CONTENTS MANDRI NO PORTAPEZZO	PAGE 545
	DRAWING NO. 35-80777001-1	

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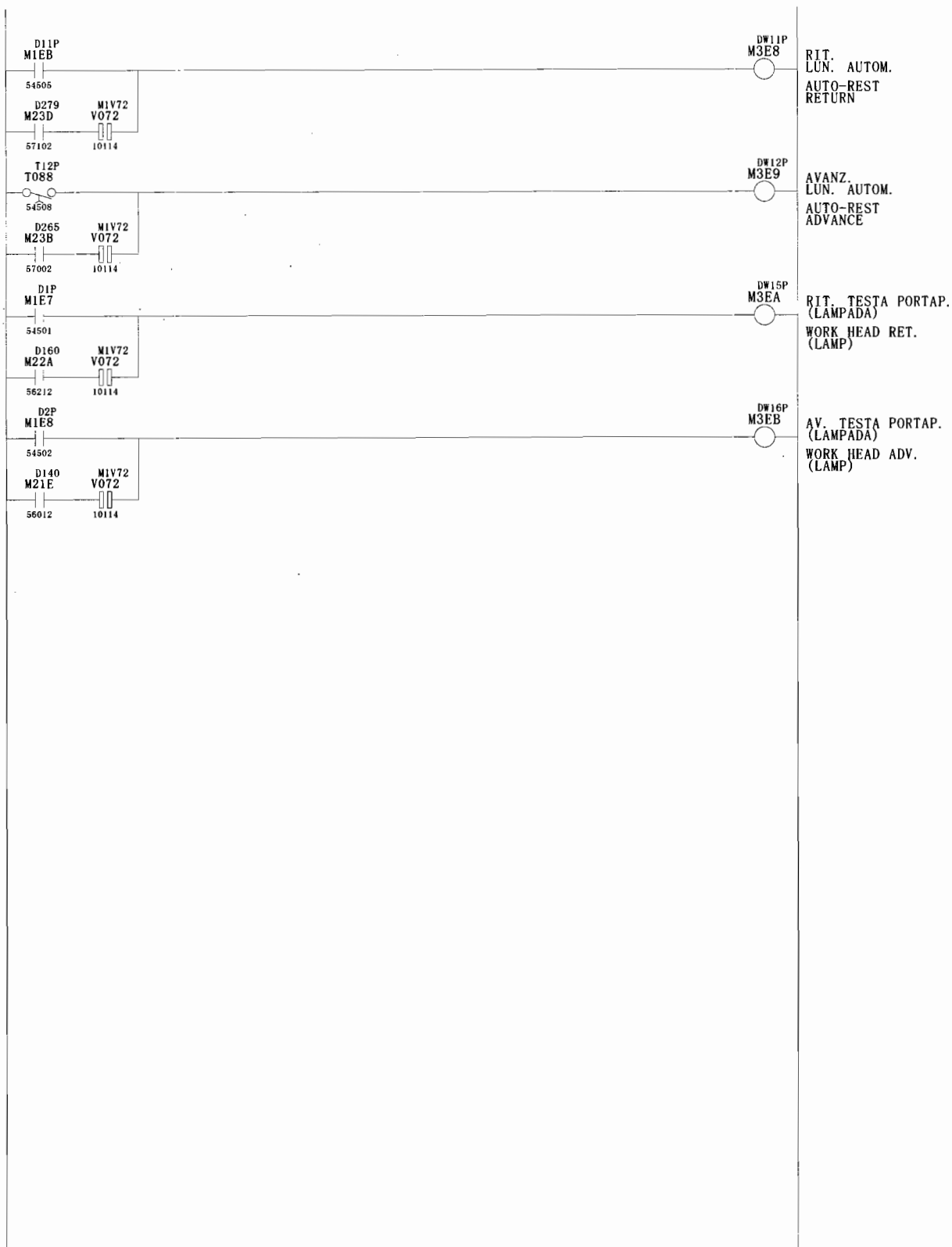
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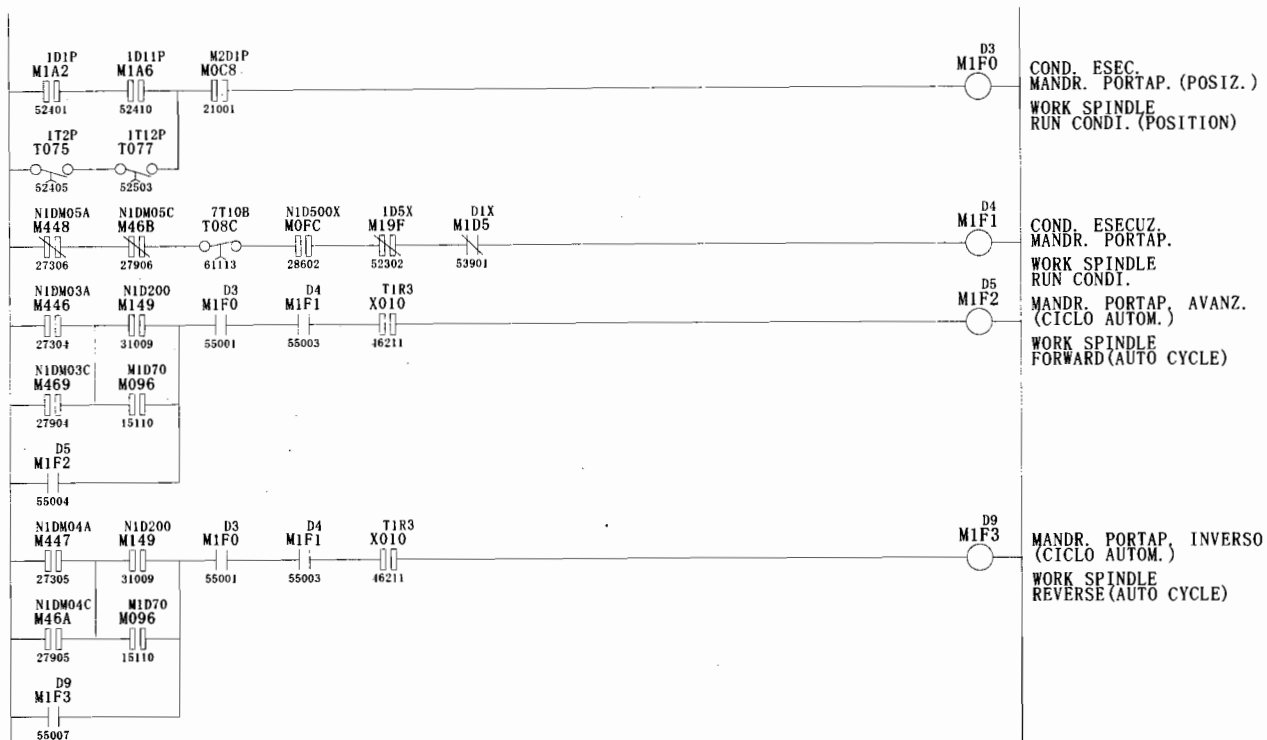
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55004	55004	38416	38502
55007	55007	55006	55009
55103	55103	55103	55103
69509		55107	55205
69802		55205	55405
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		56601	69808
		69807	

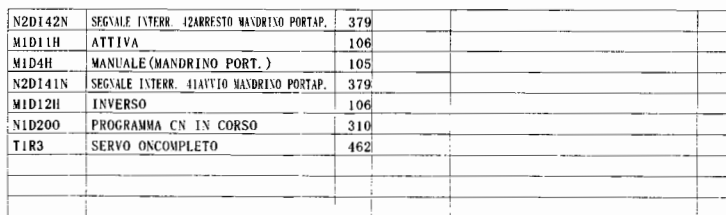
ID1P	CENTRO CONTROPUNTARIT.	524	N1D200	PROGRAMMA CN IN CORSO	310
ID11P	MANDRINORILASC.	524	T1R3	SERVO ONCOMPLETO	462
W2D1P	NON INTERF. CARICATORE	210	N1D03C	AVANZ. MANDRINO PARTAP. CODICE M UNITA C	279
1T2P	CENTRO CONTROPUNTA AVANZ.	524	W1D70	AVVIO MDI	151
1T12P	MANDRINO AGG.	525	N1D04A	RIAVV. MANDRINO PARTAP. CODICE M UNITA A	273
N1D05A	ARRESTO MANDRINO PARTAP. CODICE M UNITA A	273	N1D04C	RIT. MANDRINO PARTAP. CODICE M UNITA C	279
N1D05C	ARRESTO MANDRINO PARTAP. CODICE M UNITA C	279			
7T10B	ARRESTO MANDR. AL RITORNO	611			
N1D500X	NORMALE CN	286			
1D5X	GUASTO CENTROCONTROPUNTA	523			
N1D03A	AVANZ. MANDRINO PARTAP. CODICE M UNITA A	273			
COLLMARK	FUNCTION	PAGE	COLLMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	4	14/38	PAGE	
	CONTENTS	MANDRINO PORTAPEZZO			550
	DRAWING NO.	35-80777001-1			

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DRAWING NO. : 35-80777001

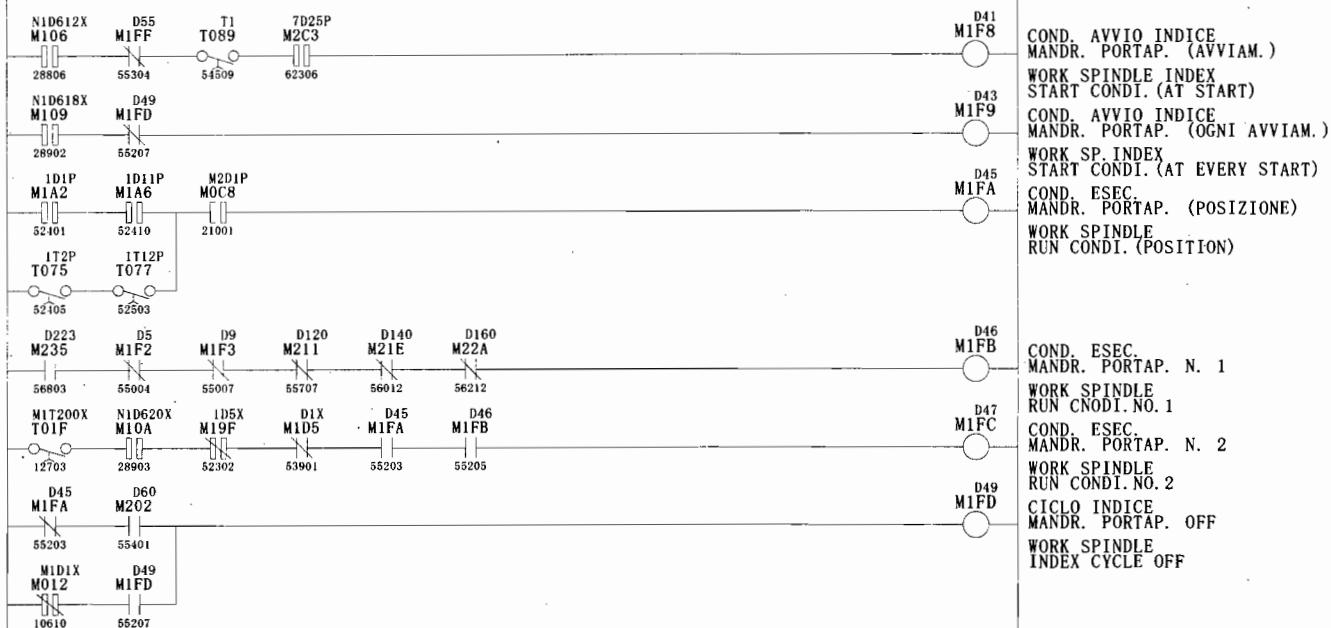
OUTPUT: 06/01/24

UPDATE: 05/10/04



TOYODA MACHINE WORKS, LTD.

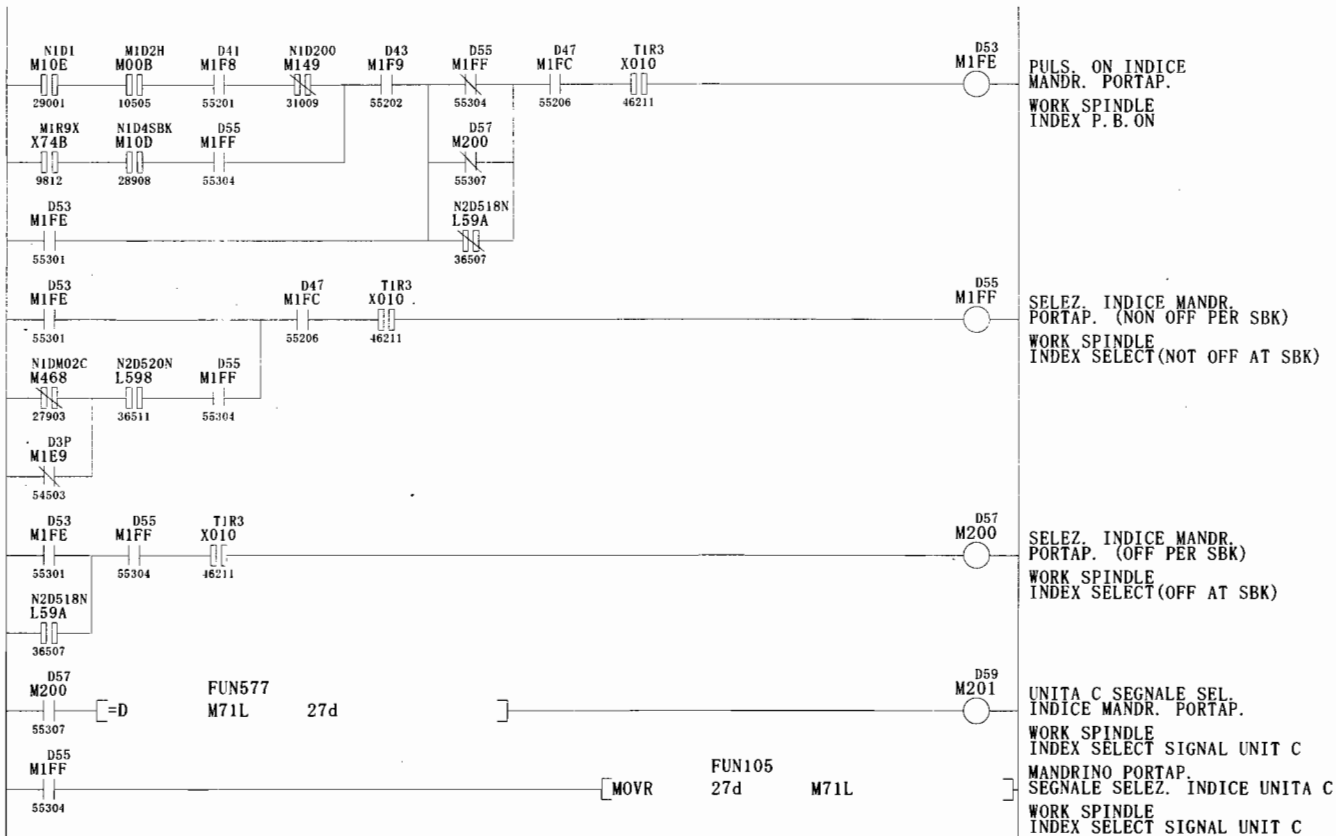
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										NID612X	COND. AVVIO EST. C(ALL'AVVIO)	288	MIDX	RESET ERRORI	106
										7D25P	POSIZ. INIZIALETESTA PORTAM.	623			
										NID618X	COND. AVVIO EST. C(Ogni AVVIO)	289			
										ID1P	CENTRO CONTROPUNTARIT.	524			
										ID1IP	MANDRINORILASC.	524			
										M2D1P	NON INTERF. CARICATORE	210			
										IT2P	CENTRO CONTROPUNTAADVZ.	524			
										IT12P	MANDRINO AGG.	525			
										MIT200X	SELEZ. PEZZO COMPLETA	127			
										NID620X	COND. ESEC. AVVIO EST.	289			
										ID5X	GUASTO CENTROCONTOPUNTA	523			
										COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
										USER'S NO.	DEVICE CODE	4	16/38		PAGE
											CONTENTS				
												MANDRI NO PORTAPEZZO			552
											DRAWING NO.				
												35-80777001-1			

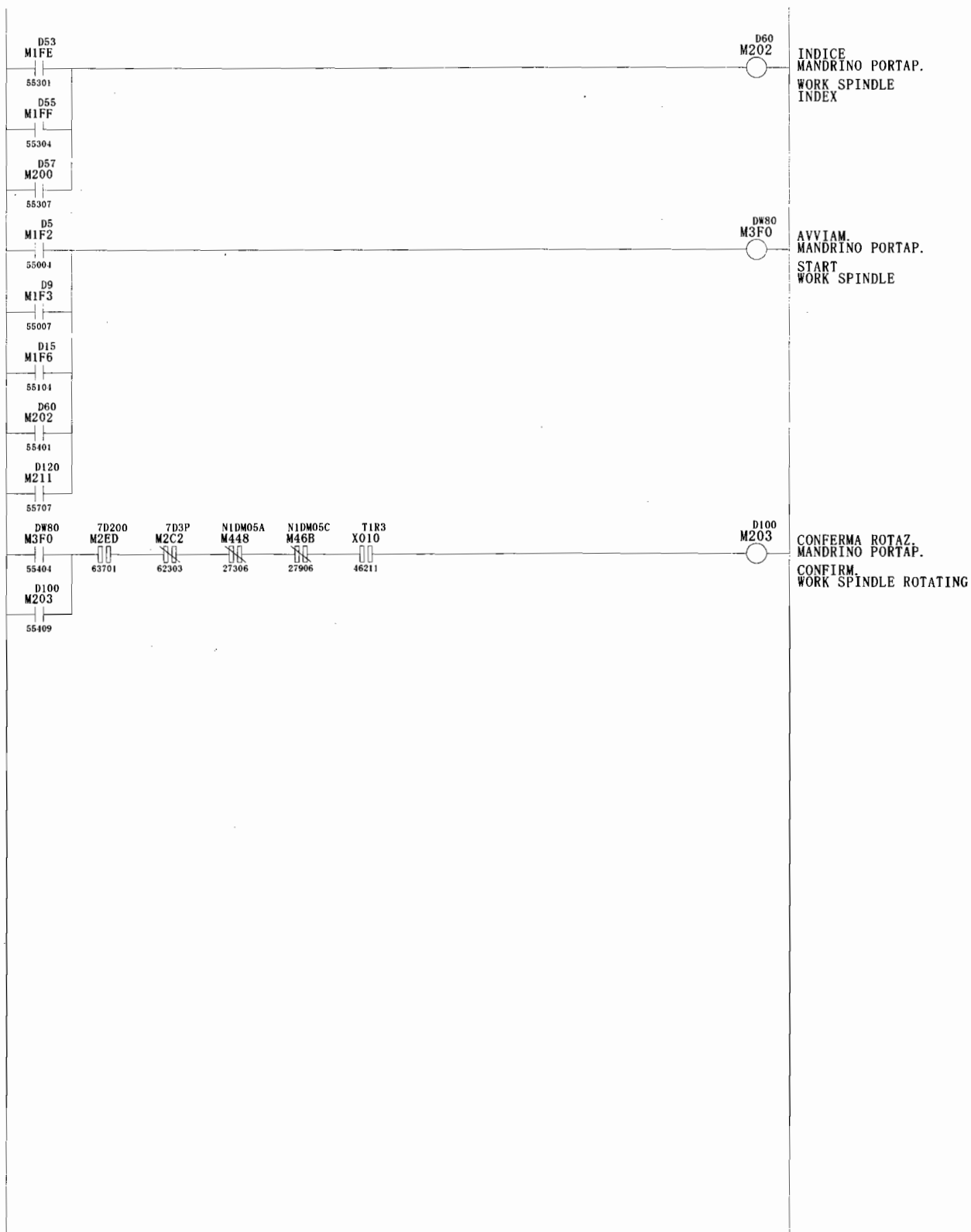
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N1D1	OFF FINTO	290			
M1D2H	MANUAL (INIZIO EST.)	105			
N1D200	PROGRAMMA CN IN CORSO	310			
T1R3	SERVO ONCOMPLETEO	462			
M1R9X	AVVIO BLOCCO SINGOLO	98			
N1D4SBK	CONTR. DIS. PLS. BLOCCO SING. (UNITA C)	289			
N2D518X	AVVIO ESEC. AUTOM. UNITA C	365			
N1DM02C	FINE PROGRAMMACODICE M UNITA C	279			
N2D520X	ESEC. AUTOM. UNITA C	365			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	4	17/38	PAGE	
	CONTENTS	MANDRI NO PORTAPEZZO			553
	DRAWING NO.	35-80777001-1			

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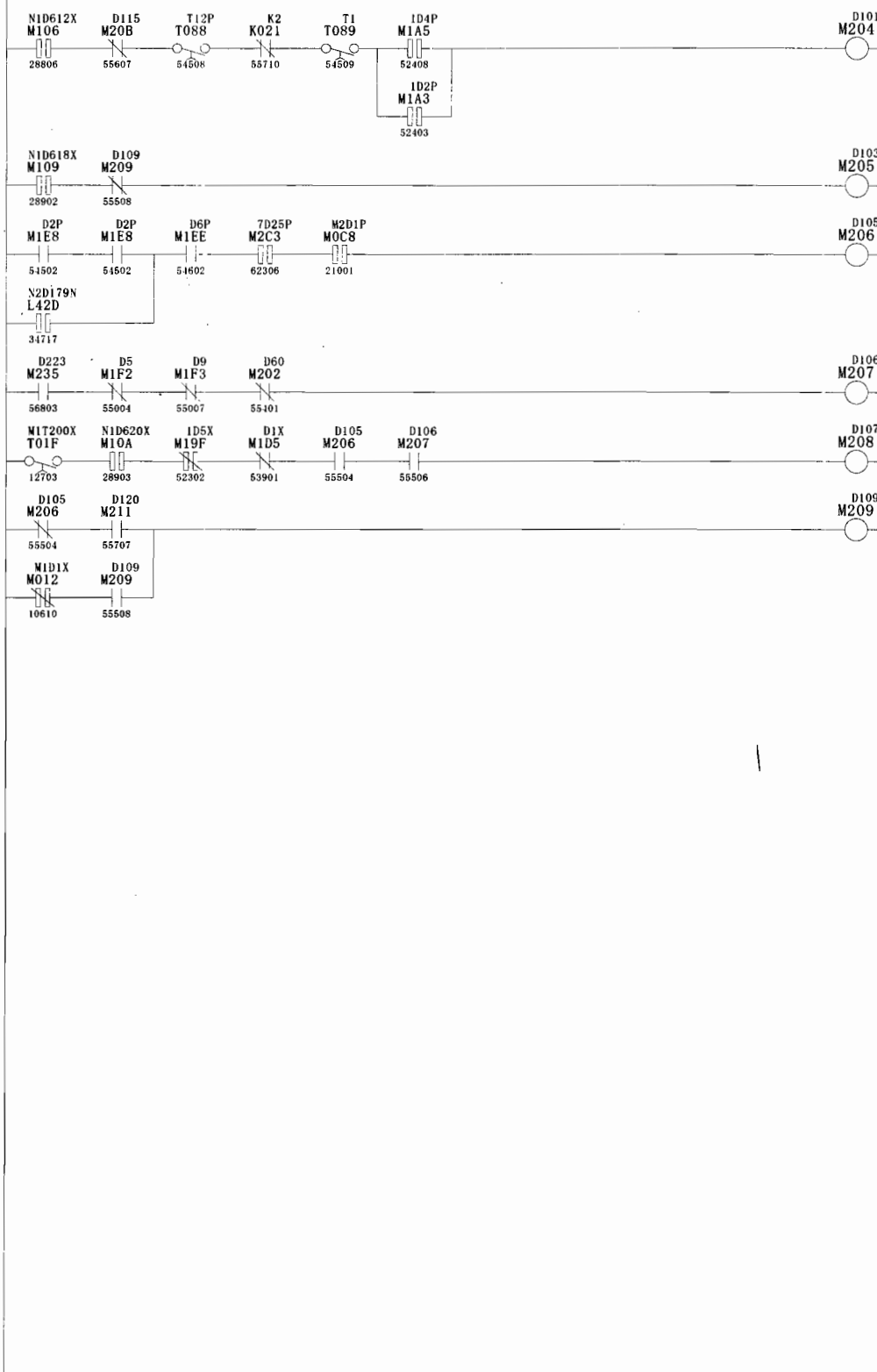
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55207	28401		56503
55407	54509		56603
55506	55409		61107
55906	56501		
56106	56502		
56703	56503		
	56601		
	56602		
	56603		

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COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	4	18/38	PAGE	
	CONTENTS	MANDRI NO PORTAPEZZO			554
	DRAWING NO.	35-80777001-1			

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COND. AVV. INSERIM.
PERNO COMANDO (AVVIAM.)
DRIVE PIN INSERT START CONDI.
(AT START)

COND. AVV. INSERIM.
PERNO COMANDO (OGNI AVV.)
DRIVE PIN INSERT START CONDI.
(AT EVERY START)

COND. ESEC. INSER.
PERNO COM.
DRIVE PIN
INSERT RUN CONDI.

COND. N. 1 ESEC. INSER.
PERNO COM.
DRIVE PIN
INSERT RUN CONDI. NO. 1

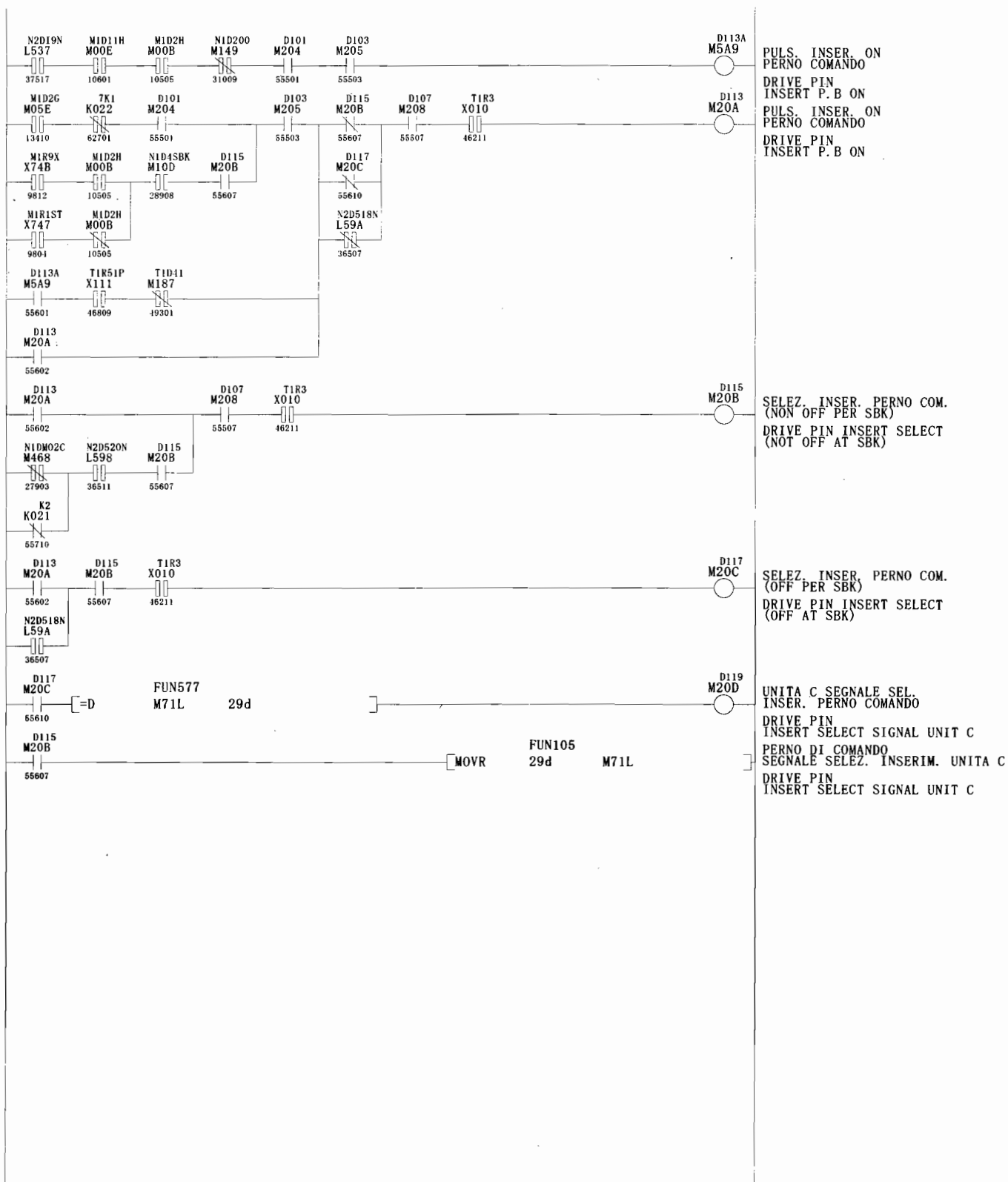
COND. N. 2 ESEC. INSER.
PERNO COM.
DRIVE PIN
INSERT RUN CONDI. NO. 2

CICLO INSER. OFF
PERNO COMANDO
DRIVE PIN
INSERT CYCLE OFF

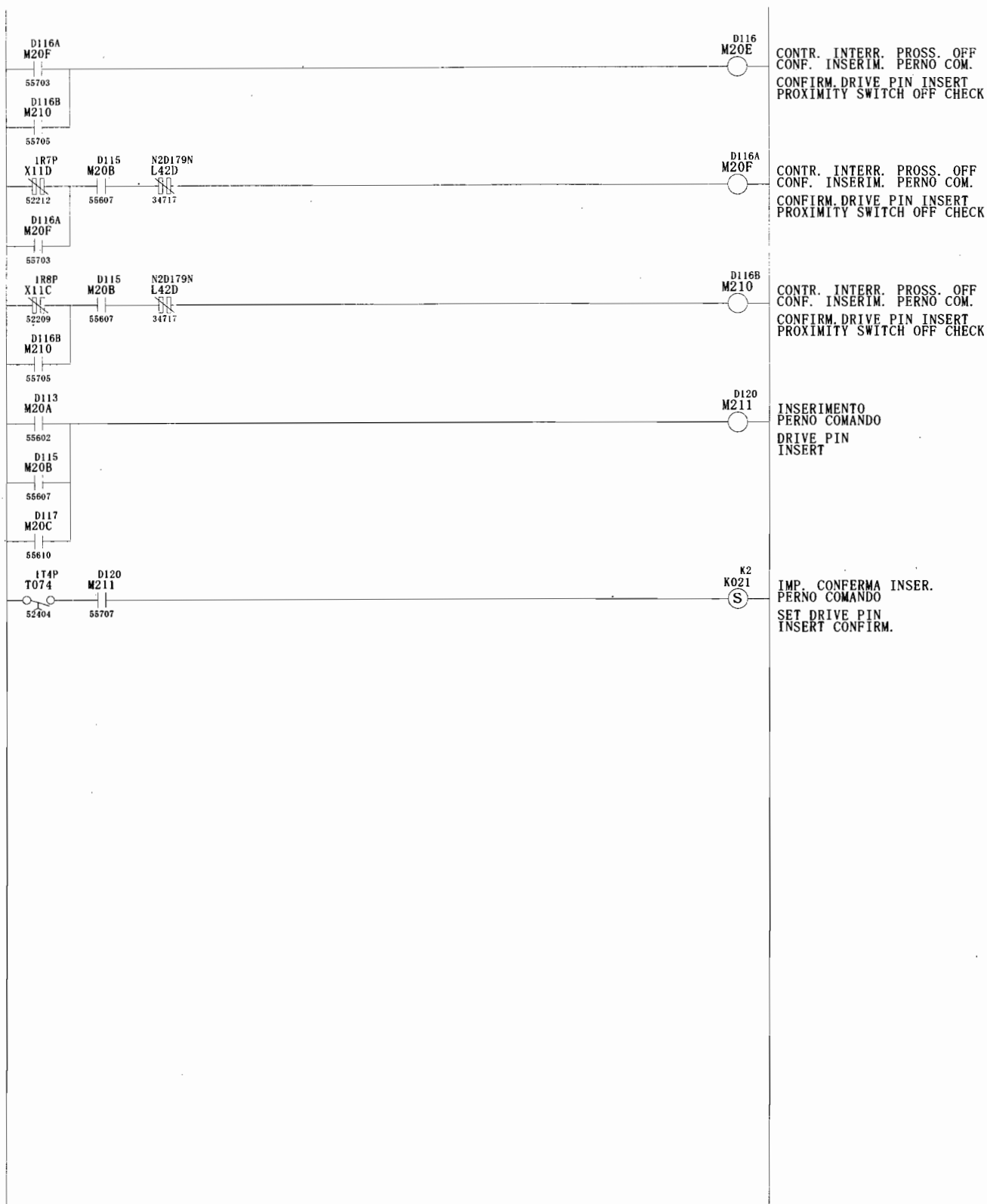
4D101	4D103	4D105	4D106	4D107	4D109
55601 55602	55601 55602	55507 55508	55507	55602 55607	55503 55509 56902

NID612X	COND. AVVIO EST. C(ALL'AVVIO)	288			
1D4P	META PERCORSO CENTROCONTROPUNTA	524			
1D2P	CENTRO CONTROPUNTA AVANZ.	524			
NID618X	COND. AVVIO EST. C(OGNI AVVIO)	289			
7D25P	POSIZ. INIZIALE TESTA PORTAM.	623			
M2D1P	NON INTERF. CARICATORE	210			
N2D179N	USCITA DATI 5 CICLO CONTR. PIERNO	347			
M1T200X	SELEZ. PEZZO COMPLETA	127			
NID620X	COND. ESEC. AVVIO EST.	289			
1D5X	GUASTO CENTROCONTROPUNTA	523			
M1D1X	RESET ERRORI	106			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.		DEVICE CODE	4	19/38	PAGE
		CONTENTS	MANDRI NO PORTAPEZZO		555
DRAWING NO.		35-80777001-1			

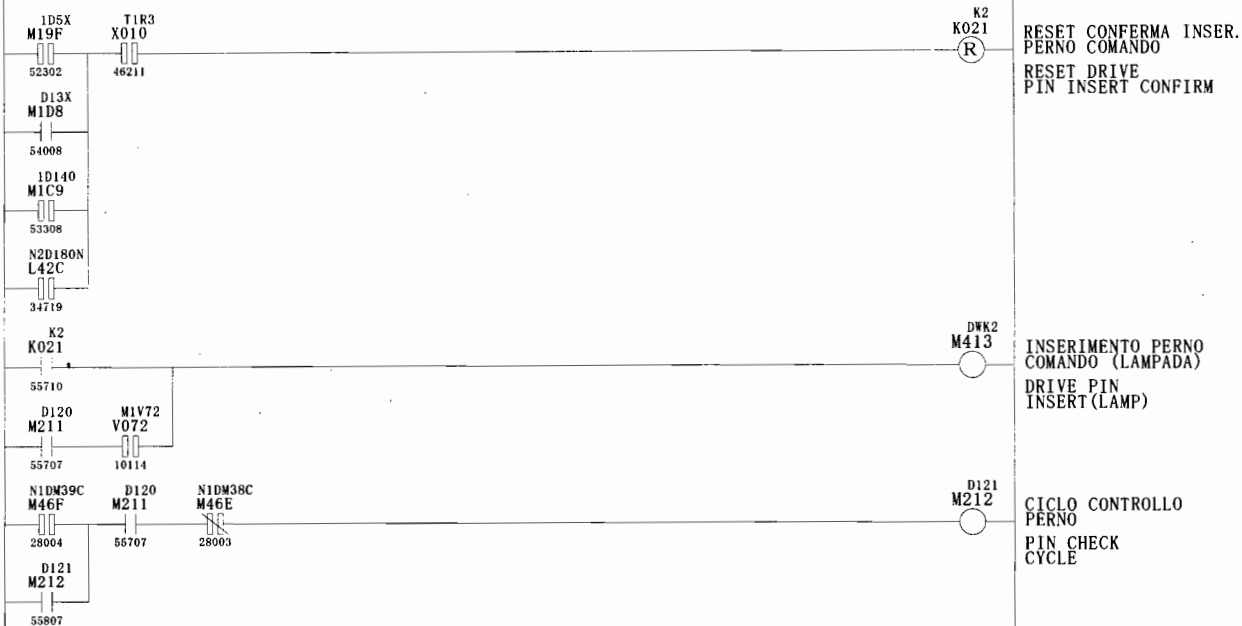
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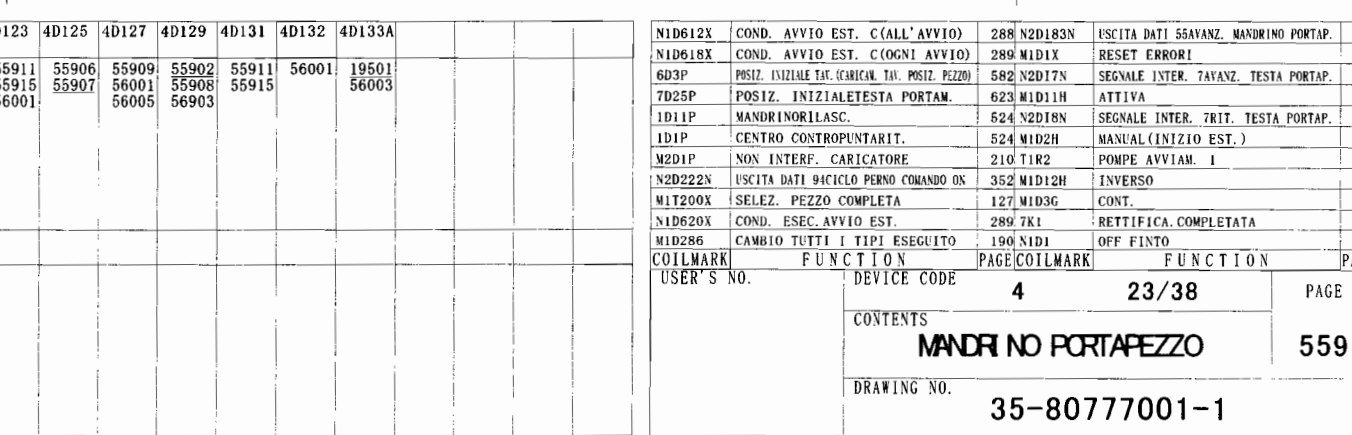


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43102	52802 55808 56604

1D5X	GUASTO CENTROCONTROPUNTA	523			
T1R3	SERVO ONCOMPLETO	462			
1D140	CENTRO CONTROPUNTARIT.	533			
N2D180N	USCITA DATI 52RETROC. ASSE B	347			
MIV72	OROLOGIO1 SECONDO	101			
N1DM39C	CICLO CONTROLLO PERNOCODICE M UNITA C	280			
N1DM38C	CICLO CONTROLLO PERNOCODICE M UNITA C	280			

COILMARK	FUNCTION	PAGE/COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	4	22/38	PAGE
	CONTENTS	MANDRI NO PORTAPEZZO		558
	DRAWING NO.	35-80777001-1		

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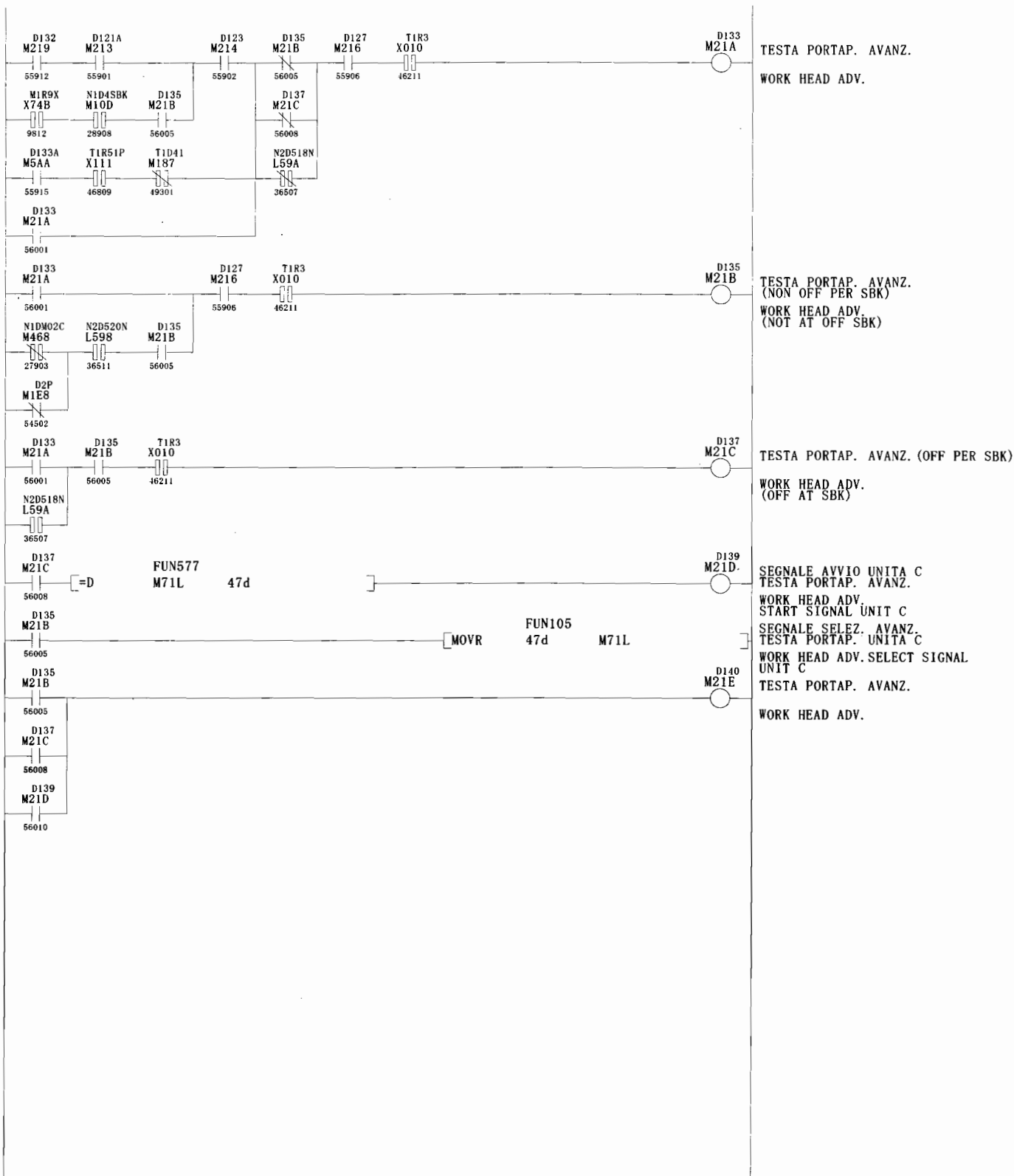


N1D612X	COND. AVVIO EST. C(ALL'AVVIO)	288	N2D183N	USCITA DATI 55AVANZ. MANDRINO PORTAP.	348
N1D618X	COND. AVVIO EST. C(OGNI AVVIO)	289	M1D1X	RESET ERRORI	106
60D3P	POSIZ. INIZIALE TAT.(CARICA, TAT. POSIZ. PEZZO)	582	N2D17N	SEGNALE INTER. TAVANZ. TESTA PORTAP.	373
7D25P	POSIZ. INIZIALETESTA PORTAM.	623	M1D11H	ATTIVA	106
1D11P	MANDRINORILASC.	524	N2D18N	SEGNALE INTER. 7KIT. TESTA PORTAP.	375
1D1P	CENTRO CONTROPUNTARIT.	524	M1D2H	MANUAL(INIZIO EST.)	105
M2D1P	NON INTERF. CARICATORE	210	T1R2	POMPE AVVIAM. I	462
N2D222N	USCITA DATI 94CICLO PERNO COMANDO OS	352	M1D12H	INVERSO	106
M1T200X	SELEZ. PEZZO COMPLETA	127	M1D3G	CONT.	135
N1D620X	COND. ESEC.AVVIO EST.	289	7K1	RETTIFICA.COMPLETATA	623
N1D286	CAMBIO TUTTI I TIPI ESEGUITO	190	N1D1	OFF FINTO	290
COLLMARK	FUNCTION	PAGE	COLLMARK	FUNCTION	PAGE

USER'S NO.	DEVICE CODE	4	23/38	PAGE
	CONTENTS	MANDRI NO PORTAPEZZO		
	DRAWING NO.	35-80777001-1		

DRAWING NO. OF STANDARD:

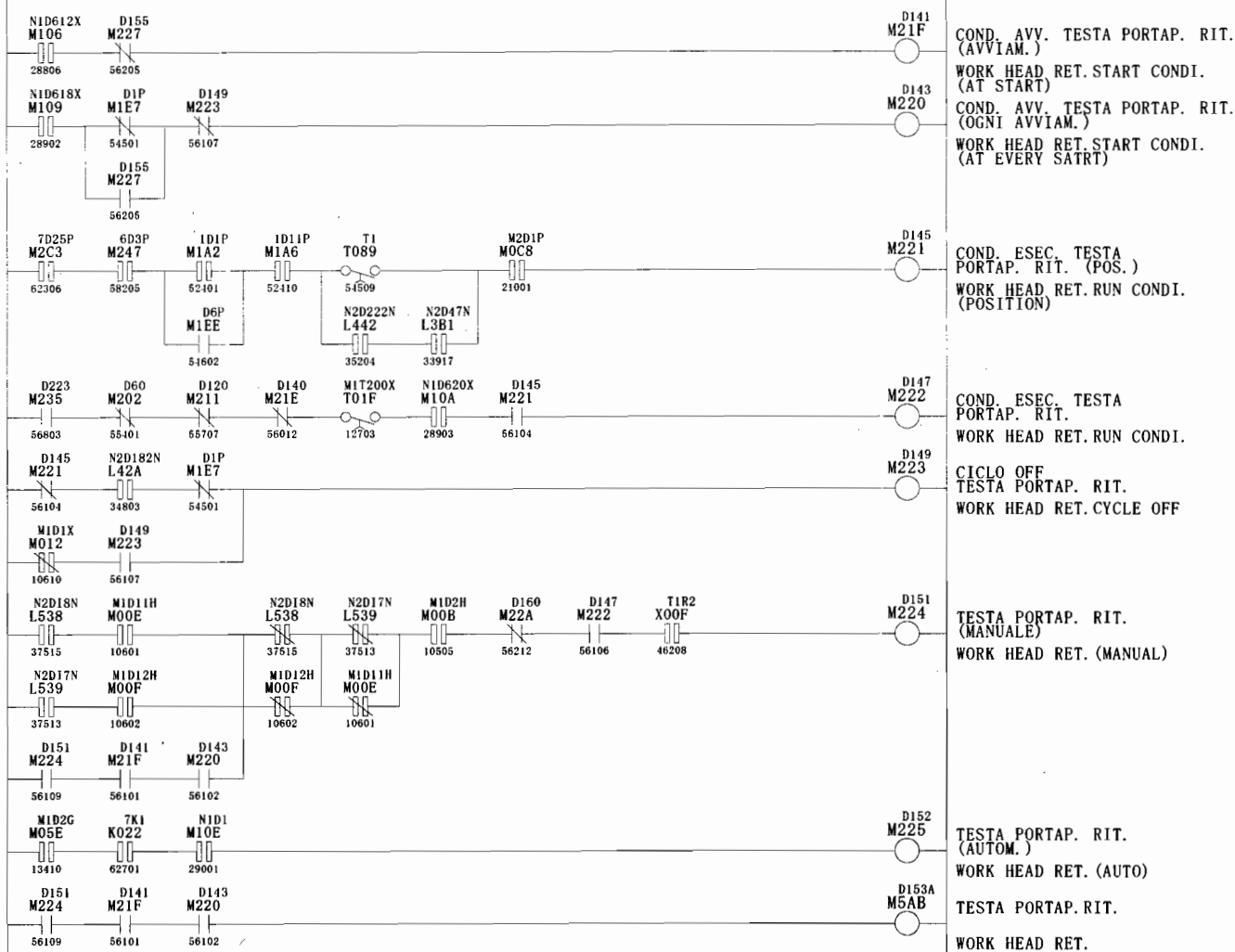
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T1R3	SERVO ONCOMPLETO	462			
M1R9X	AVVIO BLOCCO SINGOLO	98			
N1D4SBK	CONTR. DIS. PLS. BLOCCO SING. (UNITA C)	289			
T1R51P	BLOCCAGGIO ANTERIOREDI MACCHINA	468			
T1D41	COND. ESEC. APERTURA SPORT.	493			
N2D518N	AVVIO ESEC. AUTOM. UNITA C	365			
N1DM02C	FINE PROGRAMMACODICE M UNITA C	279			
N2D520N	ESEC. AUTOM. UNITA C	365			

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	4	24/38		PAGE
	CONTENTS	MANDRI NO PORTAPEZZO			560
	DRAWING NO.	35-80777001-1			

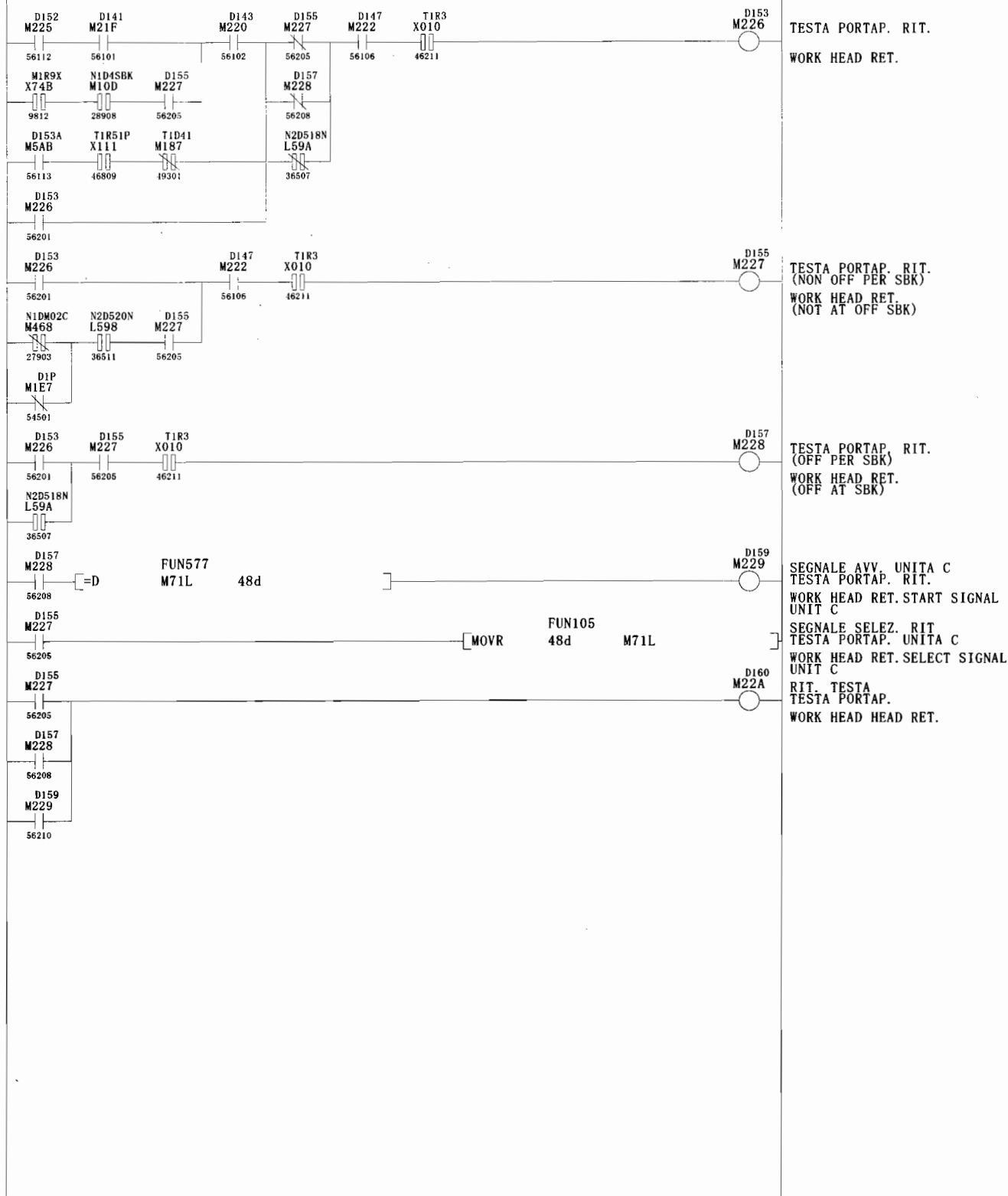
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N1D612X	COND. AVVIO EST. C(ALL' AVVIO)	288	N2D182N	LSCITA DATI 54RETROC. MANDRINO PORTAP.	348
N1D618X	COND. AVVIO EST. C(OGNI AVVIO)	289	M1D1X	RESET ERRORI	106
7D25P	POSIZ. INIZIALETESTA PORTAM.	623	N2D18N	SEGNALE INTER. 7RIT. TESTA PORTAP.	375
6D3P	POSIZ. INIZIALE TAV. (CARICAR. TAV. POSIZ. PEZZO)	582	M1D11H	ATTIVA	106
ID1P	CENTRO CONTROPUNTARIT.	524	N2D17N	SEGNALE INTER. 7AVANZ. TESTA PORTAP.	375
ID11P	MANDRINORILASC.	524	M1D2H	MANUAL(INIZIO EST.)	105
M2D1P	NON INTERF. CARICATORE	210	T1R2	POMPE AVVIAM. 1	462
N2D222N	LSCITA DATI 94CICLO PIERNO COMANDO ON	352	M1D12H	INVERSO	106
N2D47N	VELOCITAMANDRINO PORTAP. 0	339	M1D2G	CICLO AUTOM.	134
M1T200X	SELEZ. PEZZO COMPLETA	127	K1	RETTIFICA.COMPLETATA	627
N1D620X	COND. ESEC. AVVIO EST.	289	N1D1	OFF FINTO	290
COLLMARK	F U N C T I O N	P A G E	COLLMARK	F U N C T I O N	P A G E

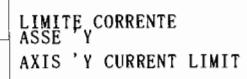
USER'S NO.	DEVICE CODE	4	25/38	PAGE
	CONTENTS	MANDRI NO PORTAPEZZO		561
	DRAWING NO.	35-80777001-1		

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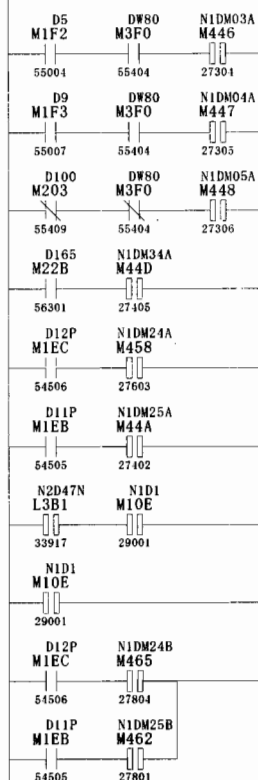
T1R3	SERVO ONCOMPLETO	462			
M1R9X	AVVIO BLOCCO SINGOLO	98			
N1D4SBK	CONTR. DIS. PLS. BLOCCO SING. (UNITA C)	289			
T1R51P	BLOCCAGGIO ANTERIOREDI MACCHINA	468			
T1D4I	COND. ESEC. APERTURA SPORT.	493			
N2D518V	AVVIO ESEC. AUTOM.UNITA C	365			
N1DM02C	FINE PROGRAMMACODICE M UNITA C	279			
N2D520N	ESEC. AUTOM.UNITA C	365			

COILMARK	FUNCTION	PAGE/COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	4	26/38	PAGE
	CONTENTS	MANDRI NO PORTAPEZZO		562
	DRAWING NO.	35-80777001-1		

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N1DM34A	LIMITE ALIM. CODICE M UNITA A	274			
N1D200	PROGRAMMA CN IN CORSO	310			
N1DM34C	CODICE M UNITA C	280			
N2D179N	USCITA DATI 51CICLO CONTR. PERNO	347			
N2D183N	USCITA DATI 55AYANZ. MANDRINO PORTAP.	348			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	4	27/38	PAGE	
	CONTENTS	MANDRI NO PORTAPEZZO		563	
	DRAWING NO.	35-80777001-1			

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M FIN ATTORNO 4
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M FIN AROUND 4
(LEVEL A)

D202
M22E

M FIN ATTORNO 4
(LIVELLO B)
M FIN AROUND 4
(LEVEL B)

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N1DM03A	AVANZ. MANDRINO PARTAP.CODICE M UNITA A	273			
N1DM04A	RIAVV. MANDRINO PARTAP.CODICE M UNITA A	273			
N1DM05A	ARRESTO MANDRINO PARTAP.CODICE M UNITA A	273			
N1DM34A	LIMITE ALIM.CODICE M UNITA A	274			
N1DM24A	AVANZ. LUNETTA COD. M UNITA A	276			
N1DM25A	RIT. LUN.CODICE M UNITA A	274			
N2D47N	VELOCITAMANDRINO PARTAP. O	339			
N1D1	OFF FINTO	290			
N1DM24B	AVANZ. LUNETTACODICE M UNITA B	278			
N1DM25B	RIT. LUNETTACODICE M UNITA B	278			

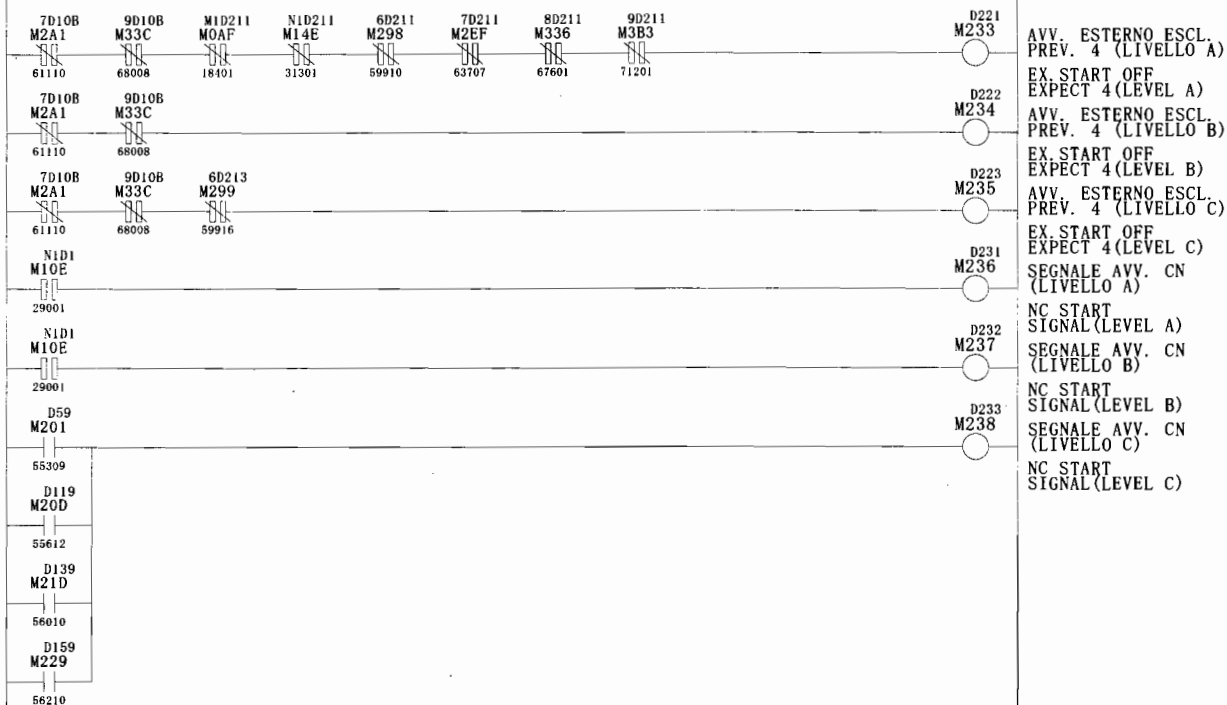
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	4	29/38		PAGE
	CONTENTS	MANDRI NO PORTAPEZZO			565
	DRAWING NO.	35-80777001-1			

DRAWING NO. OF STANDARD:

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7D10B	CICLO RITORNO	611			
9D10B	RITORNO RIPASSATORE	680			
MD211	ESECUZIONE CN ATTORNO M1 (LIVELLO A)	184			
ND211	CN IN CORSO ATTORNO N1 (LIV. A)	313			
6D211	ESECUZIONE CN ATTORNO 6 (LIVELLO A)	599			
7D211	ESECUZ. CN (LIVELLO A)	637			
8D211	ESECUZ. CN (LIVELLO A)	676			
9D211	ESECUZ. CN (LIVELLO A)	712			
6D213	ESECUZIONE CN ATTORNO 6 (LIVELLO C)	599			
ND1	OFF FINITO	290			

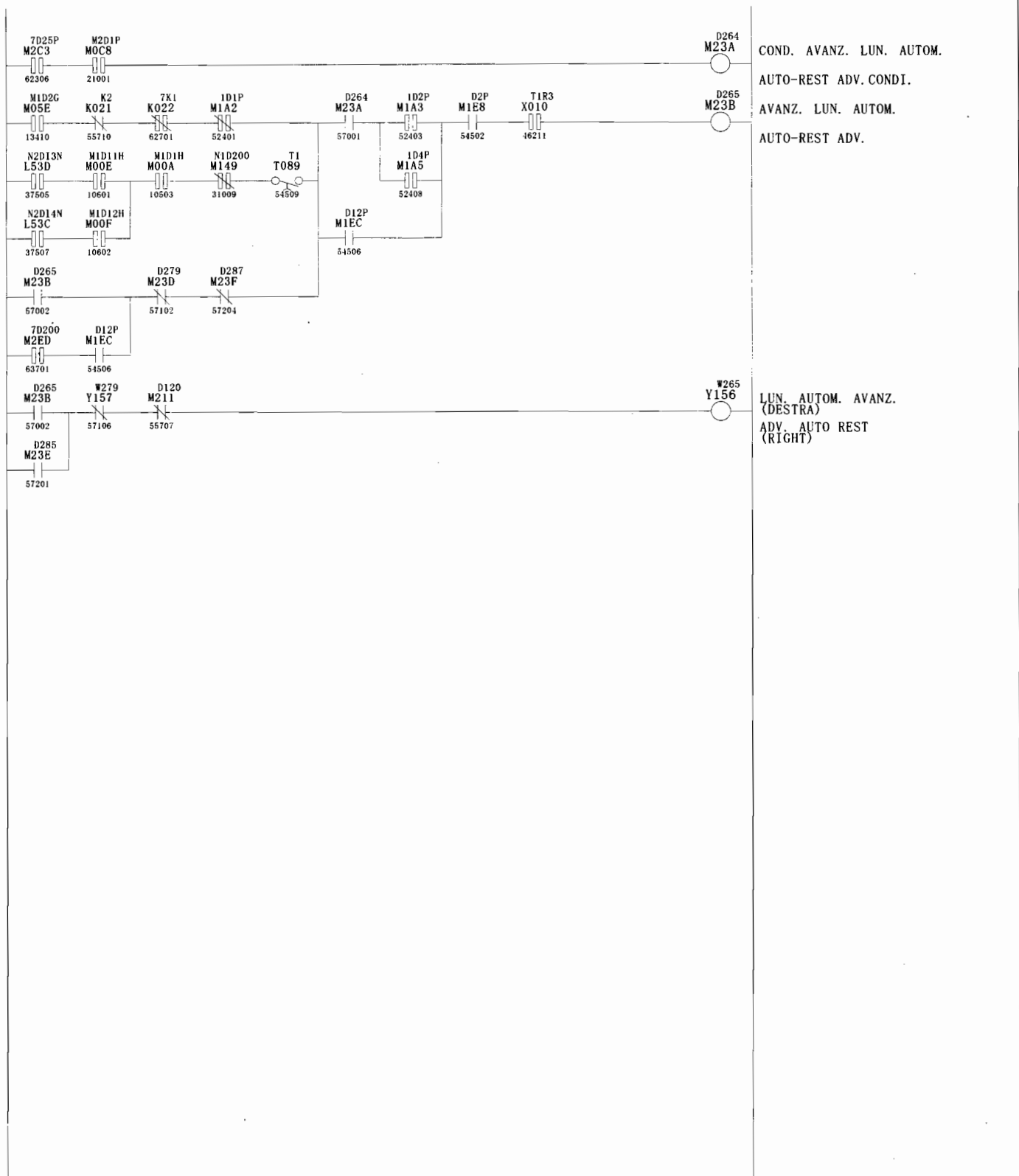
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	4	32/38		PAGE
	CONTENTS	MANDRI NO PORTAPEZZO			568
	DRAWING NO.	35-80777001-1			

GUASTO ATTORNO 4
COND. ESECUZ.
RUN CONDI.
FAULT AROUND 4

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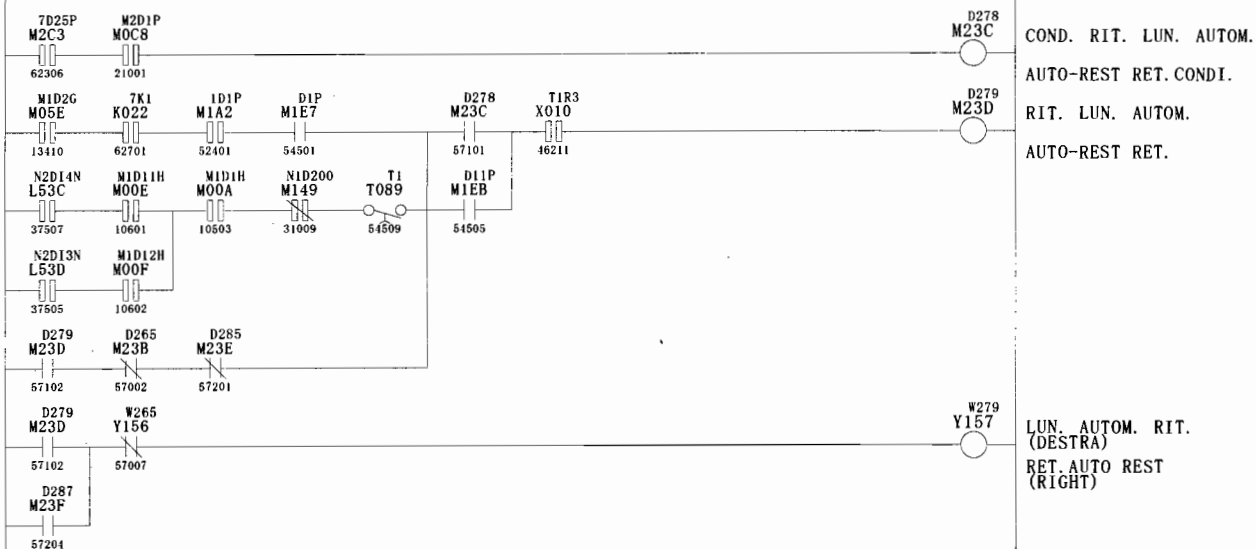
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	4	33/38		PAGE
	CONTENTS	MANDRI NO PORTAPEZZO			569
	DRAWING NO.	35-80777001-1			

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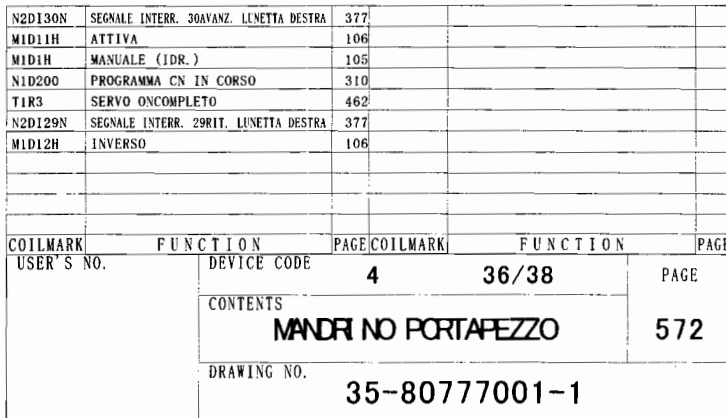
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7D25P	POSIZ. INIZIALETESTA PORTAM.	623	ID4P	META PERCORSO CENTROCONTROPUNTA	524
W2D1P	NON INTERF. CARICATORE	210	N2D14N	SEGNALE INTERR. 4RETR. LUNETTA	375
WID2G	CICLO AUTOM.	134	WID12H	INVERSO	106
7K1	RETTIFICA. COMPLETATA	627	7D200	CICLORETTIFICA	637
ID1P	CENTRO CONTROPUNTARIT.	524			
ID2P	CENTRO CONTROPUNTA AVANZ.	524			
T1R3	SERVO ONCOMPLETO	462			
N2D13N	SEGNALE INTERR. 3AVANZ. LUNETTA	375			
WID11H	ATTIVA	106			
WID1H	MANUALE (IDR.)	105			
NID200	PROGRAMMA CN IN CORSO	310			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.		DEVICE CODE	4	34/38	PAGE
		CONTENTS	MANDRI NO PORTAPEZZO		570
		DRAWING NO.	35-80777001-1		

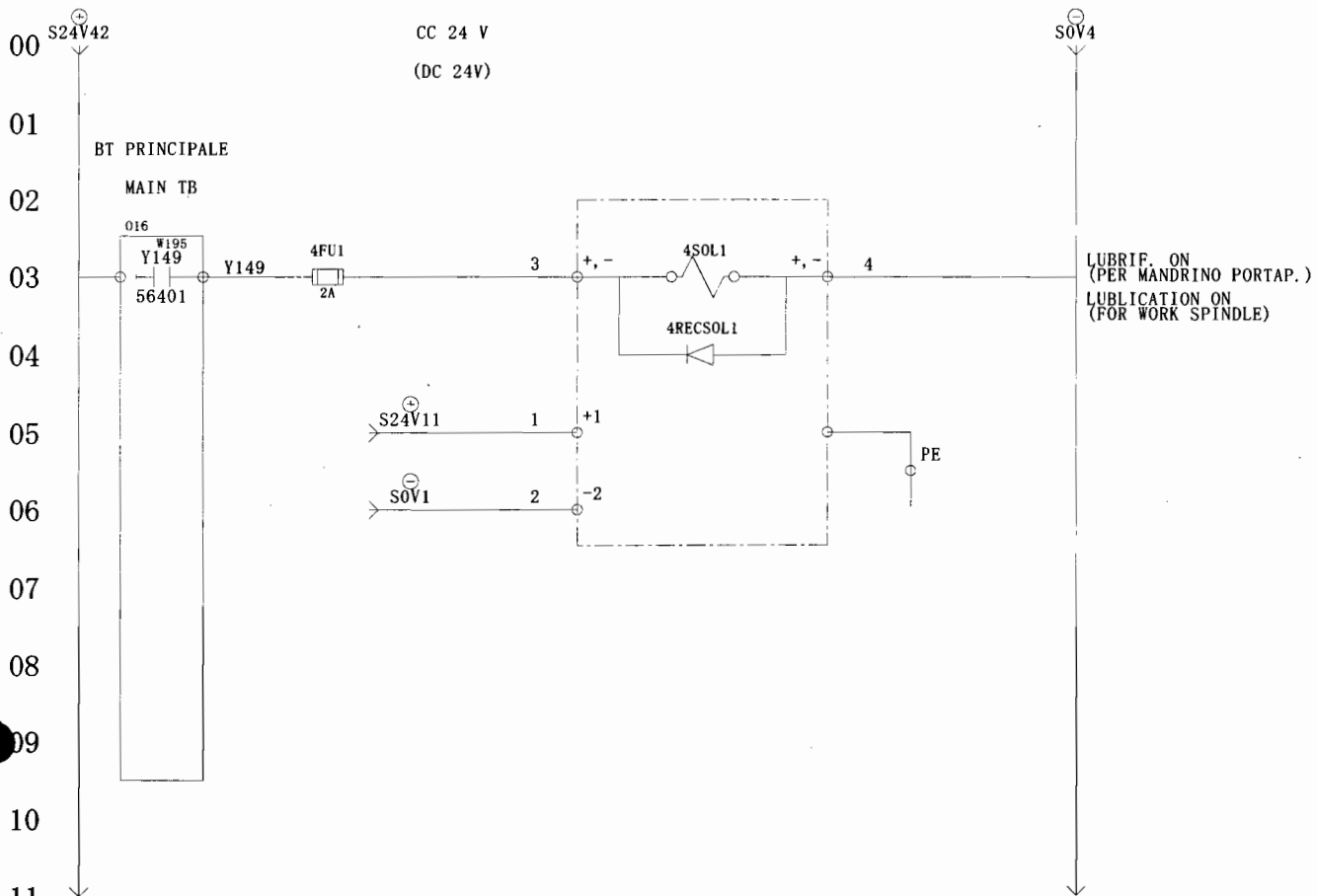
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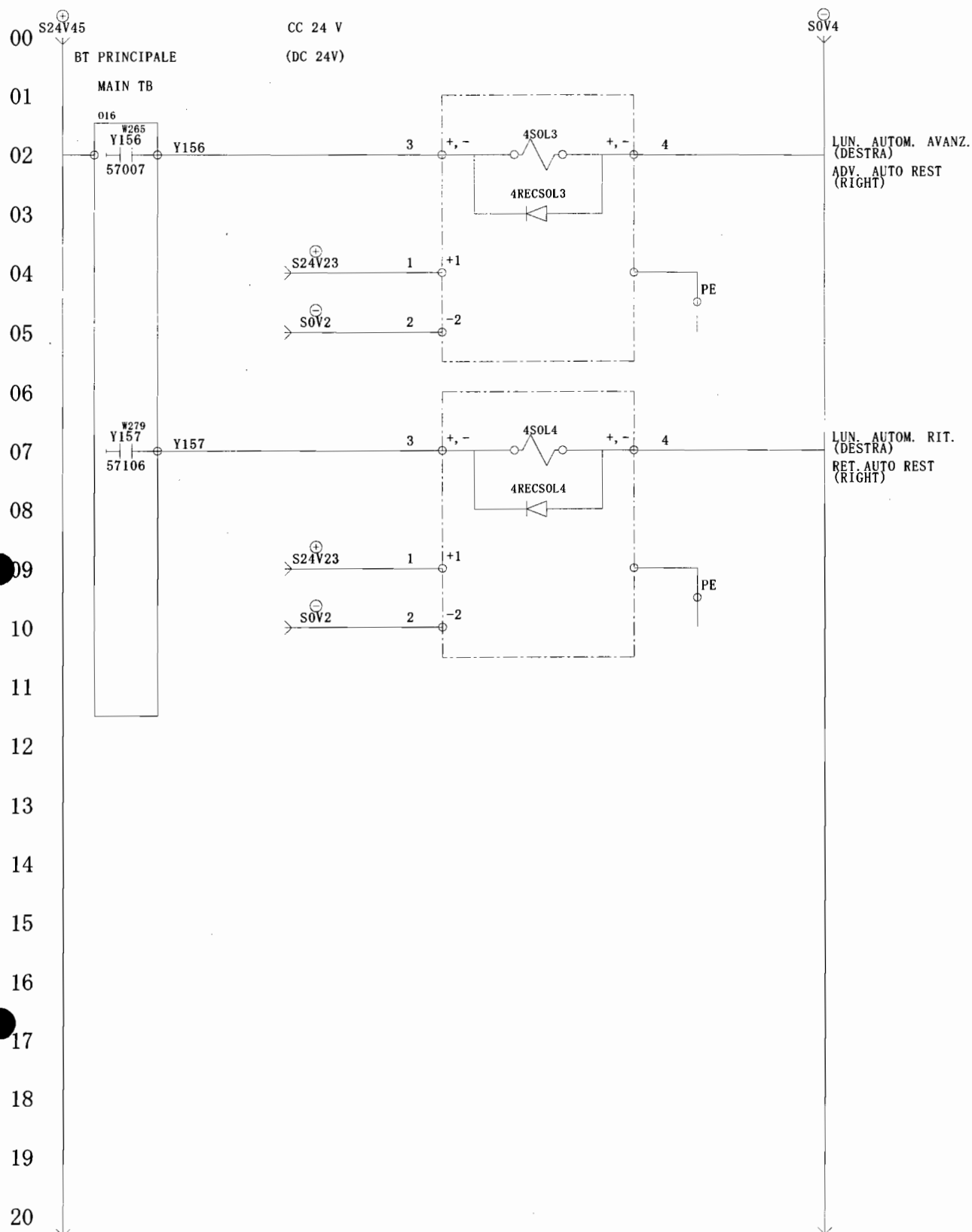
GRAVING NO. OF STANDARD:

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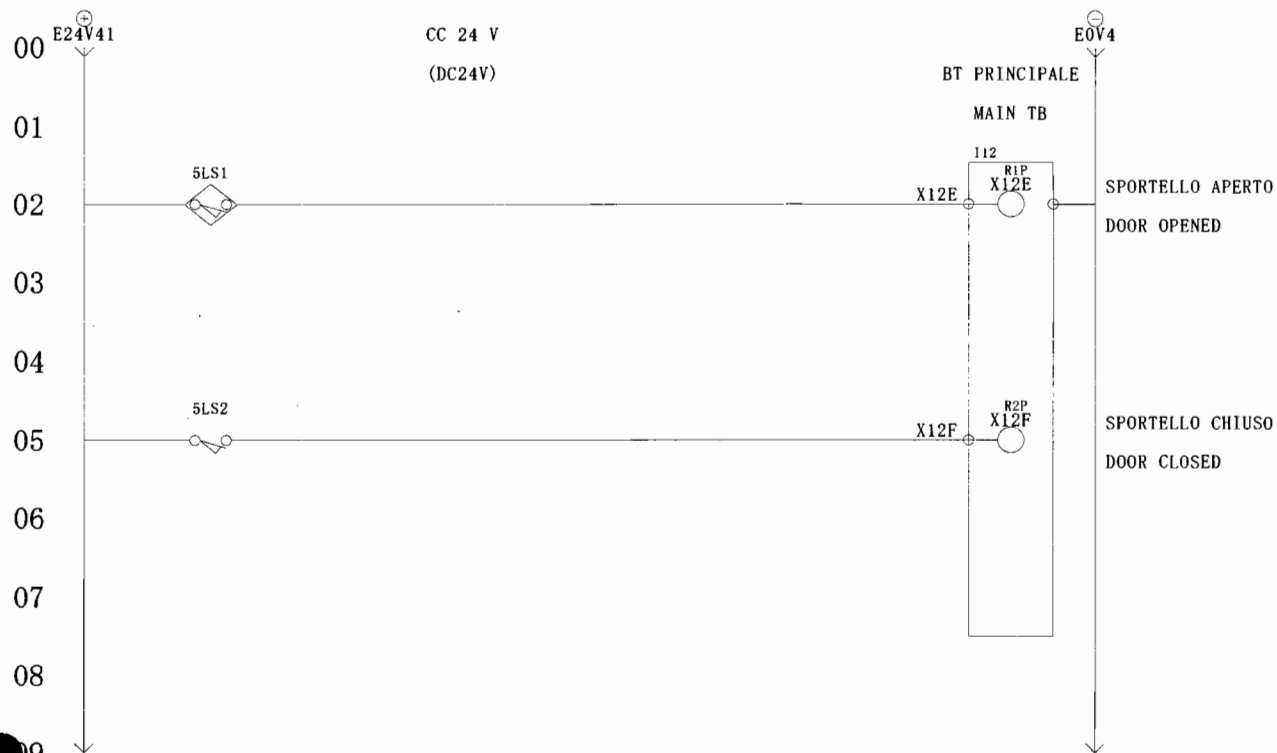


COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	4	37/38		PAGE
	CONTENTS	MANDRINO PORTAPEZZO			573
	DRAWING NO.	35-80777001-1			

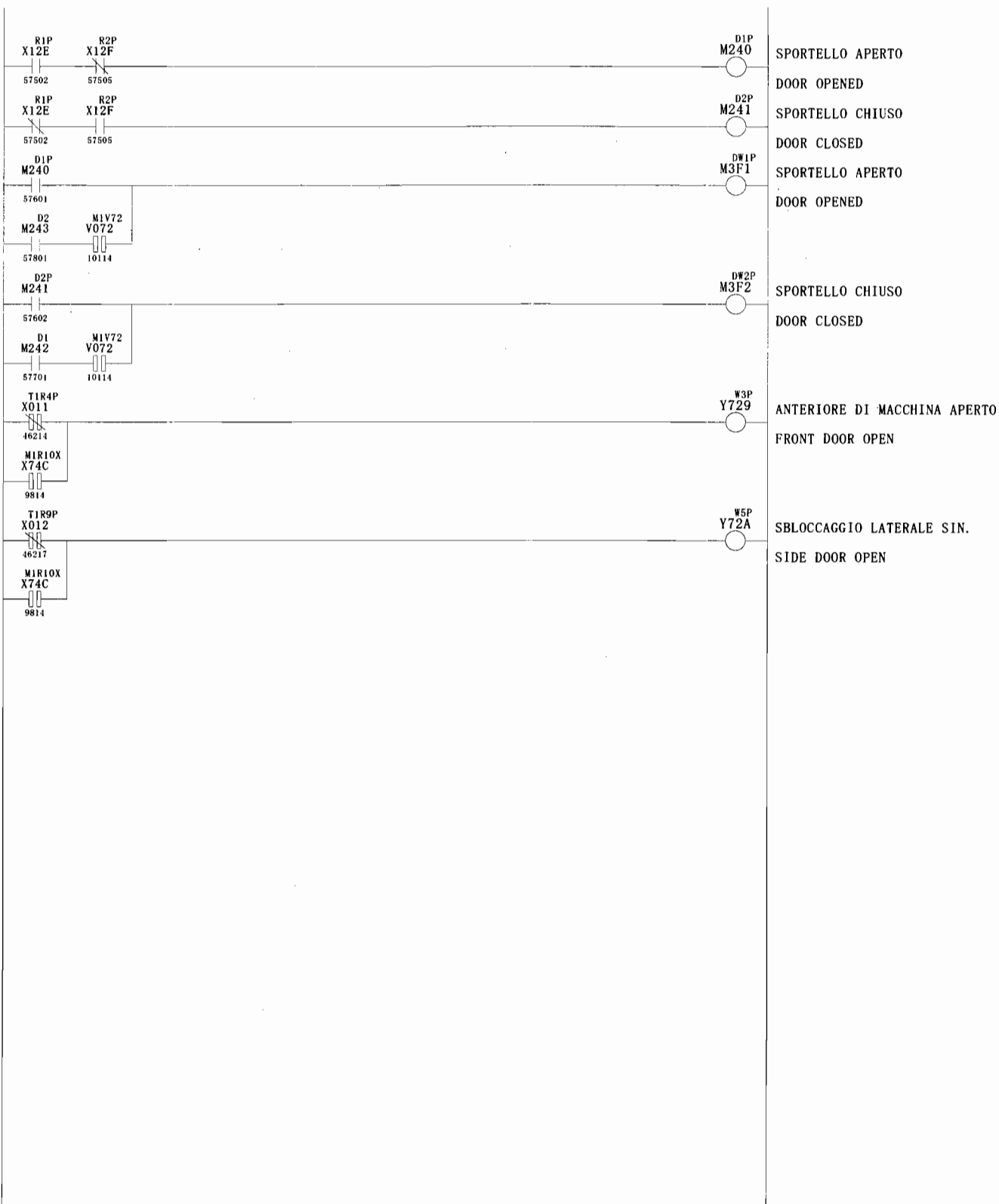
This image shows a full page of blank graph paper. The grid consists of thin black horizontal and vertical lines forming small squares across the entire page. There are no margins, text, or other markings present.

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	4	38/38		PAGE
	CONTENTS	MANDRI NO PORTAPEZZO			574
	DRAWING NO.	35-80777001-1			

DRIVING VOL. OF STANDARD:

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MIV72	OROLOGIO1 SECONDO	101			
TIR4P	BLOCCO SPORTELLOANTERIORE	462			
MIR1OX	PROVA LAMPADA	98			
TIR9P	BLOCCO SPORTELLOSIN. BANCALE	462			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	5	2/6	PAGE	
	CONTENTS				576
	DRAWING NO.	35-80777001-1			

DRIVING VOL. OF STANDARD

5D1	5W1
57606	57807
57706	57902
57708	72710
57805	73110
57808	

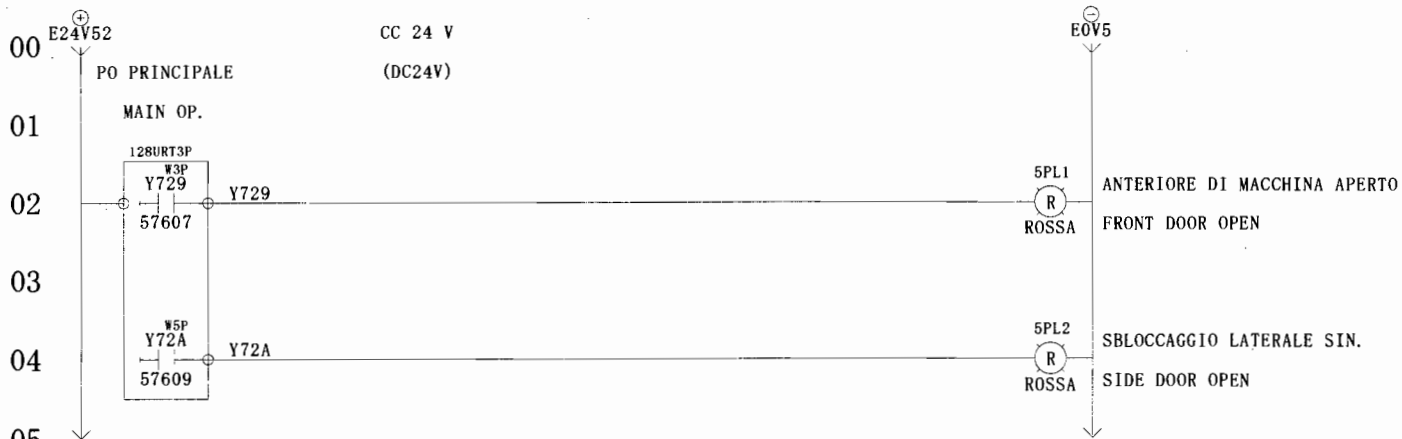


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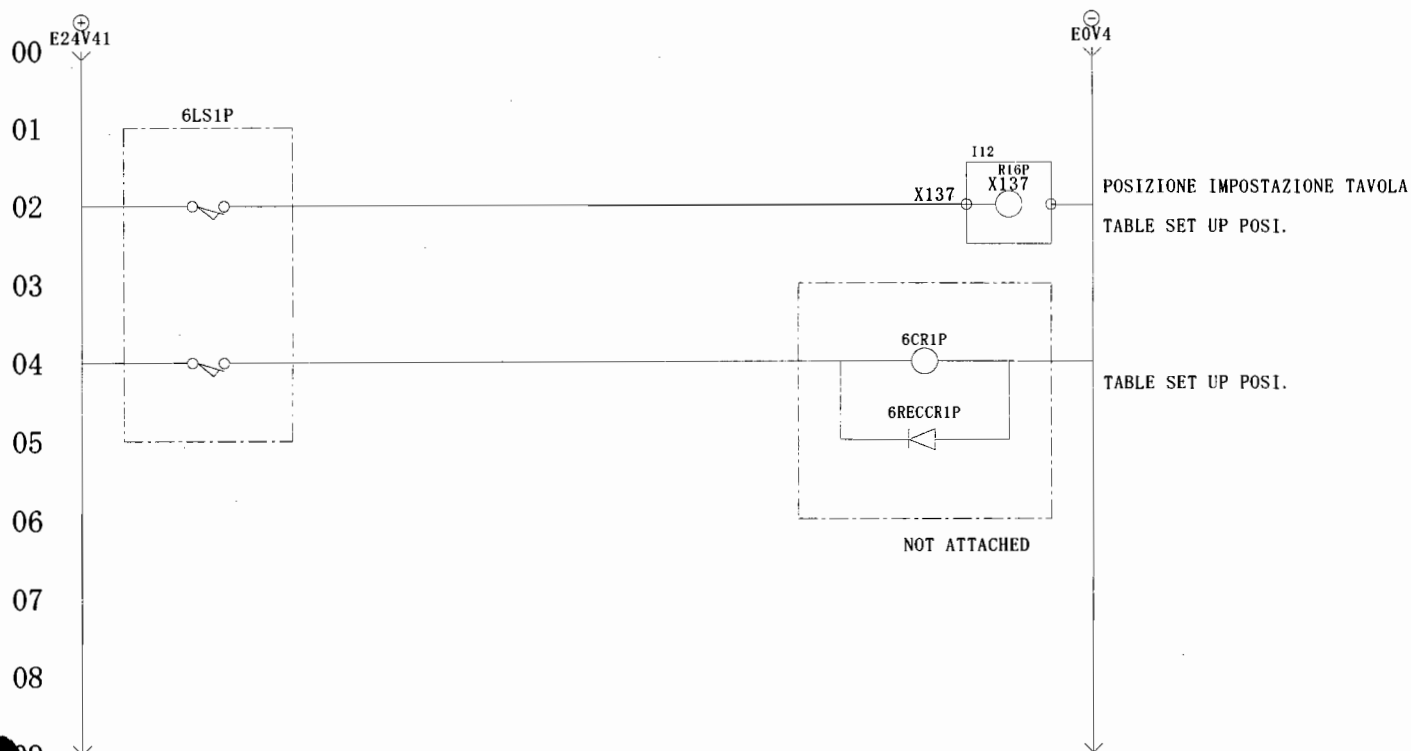
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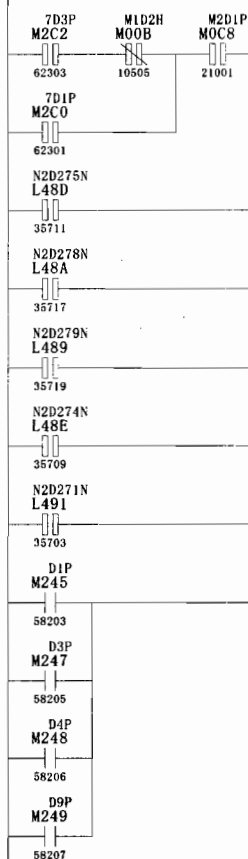


COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	5	6/6		PAGE
	CONTENTS	SPORTELLI			580
	DRAWING NO.	35-80777001-1			

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D10X
M244

COND. ESEC.
INDICE TAVOLA
TABLE INDEX
RUN CONDI.

D1P
M245

POS. SOST. MOLA TAVOLA
POS. MACCHINA N. 1

TABLE WHEEL CHANGE POSI.
(MACHINE POSI NO. 1)

D2P
M246

POS. MEM. POS. TAVOLA
POS. MACCHINA N. 2

TABLE POSI.	MEMORY POSI.
(MACHINE POSI NO. 2)	
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D3P
M247

POSIZ. INIZIALE TAV.
(CARICAM. TAV. POSIZ. PEZZO)

TABLE HOME POSI.
(TABLE LOADING POSI. WORK POSI.)

D4P
M248

POSIZ. RETTIFICA TAVOLA
(POS. PROCESSO)

TABLE GR. POSI.
(PROCESS POSI.)

D9P
M249

POS. REGOLAZ. MACCH.

M/C ADJUST POSI.

D10P
M24A

POSIZ. ORIG. TAVOLA

TABLE ORIGINAL POSI.

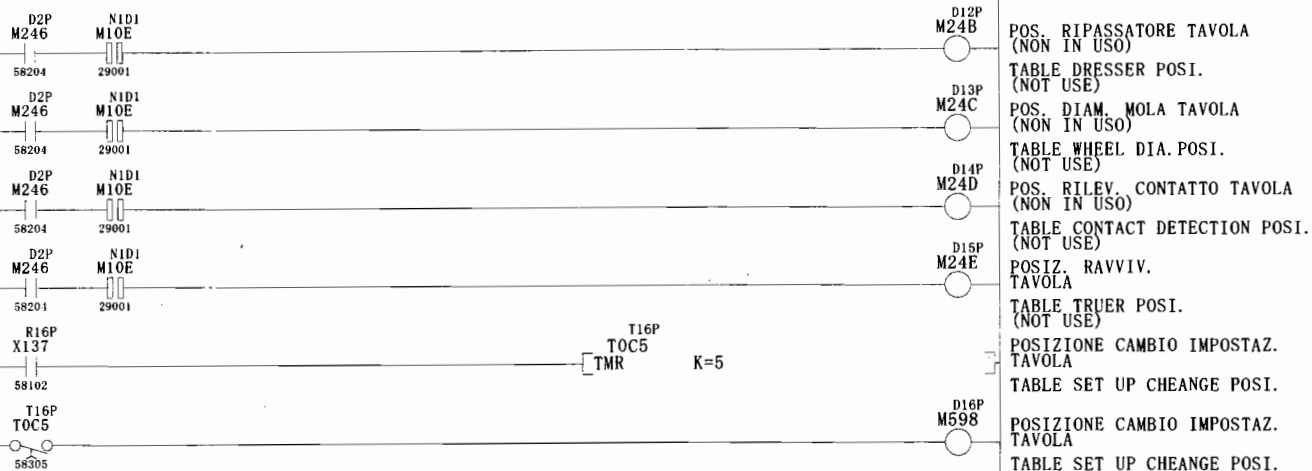
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7D3P	POS. AVVIAM.TESTA PORTAM.	623
MID2H	MANUAL (INIZIO EST.)	105
W2D1P	NON INTERF. CARICATORE	210
7D1P	POSIZ. INIZIALETESTA PORTAM.	623
N2D275N	POS. LOCAL.ASSE Z PSW	357
N2D278N	POS. SCARICOASSE Z PSW	357
N2D279N	POS. CARICOASSE Z PSW	357
N2D274N	POS. RETTIF.ASSE Z PSW	357
N2D271N	POS. REGOL. MACC. TAV.ASSE Z PSW	357

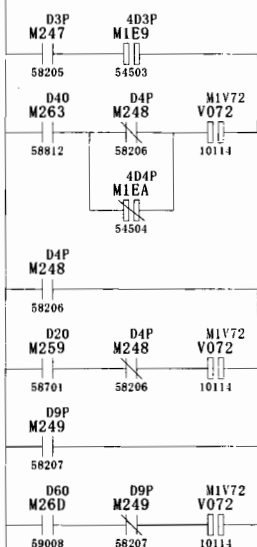
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	6	2/21	PAGE	
	CONTENTS	TAVOLA			582
	DRAWING NO.	35-80777001-1			

DUSTING NO. OF SLAVES:

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DW3P
M3F3

RIT. TAVOLA •
MANDR. PORTAP. (LAMPADA)
RETURN TABLE • WORK SP. (LAMP)

DW4P
M3F4

INDICE TAVOLA •
MANDR. PORTAP. (LAMPADA)
INDEX TABLE • WORK SP. (LAMP)

DW9P
M3F5

POSIZ. REGOL. TAVOLA	TABLE ADJUST POSI.
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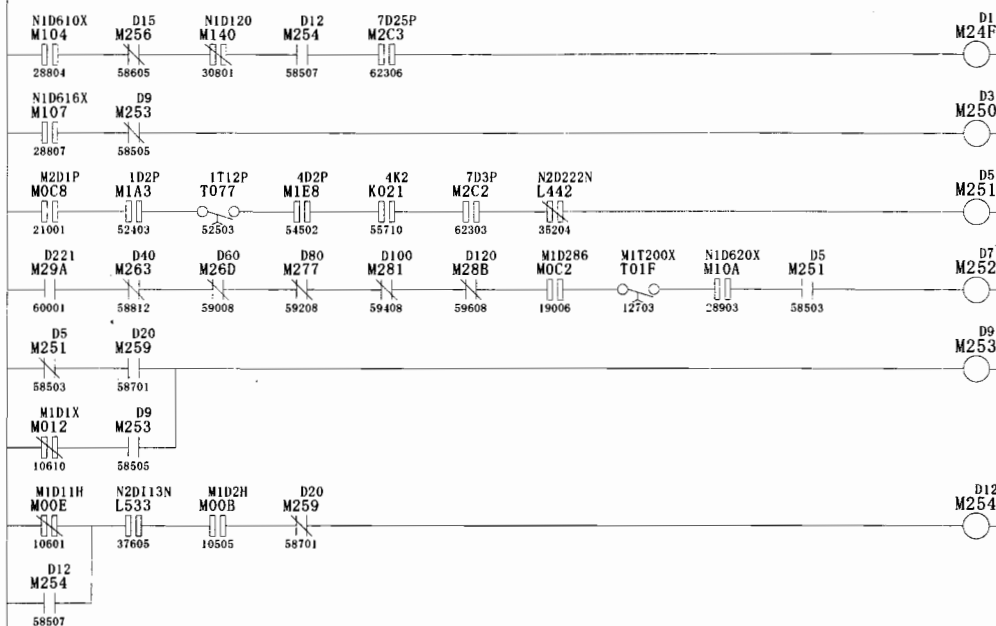
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6D1



COND.	AVVIO	POS.	RETT.
TAVOLA (AVVIAM.)			
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TABLE	GR.	POSI.	START	CONDI.
(AT START)				
1	1	1	1	1
2	2	2	2	2
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87	87			

COND. AVVIO POS. RETT.
TAVOLA (OGNI AVVIAM.)

TABLE GR. POSI. START CONDI.
(AT EVERY START)

COND.	ESEC.	POS.	RETT.
TAVOLA	(POSIZ.)		

TABLE GR. POSI. RUN COUNDI. (POSITION)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	

COND.	ESEC.	POS.	RETT.
TAVOLA			

TABLE GR. POSI. RUN CONDI.	
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CICLO POSIZ. RETTIF.
TAVOLA OFF

TABLE GR. POSI. CYCLE OFF	
GR.	POSI.
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PULS. POSIZ. RETTIF.
TAVOLA OFF

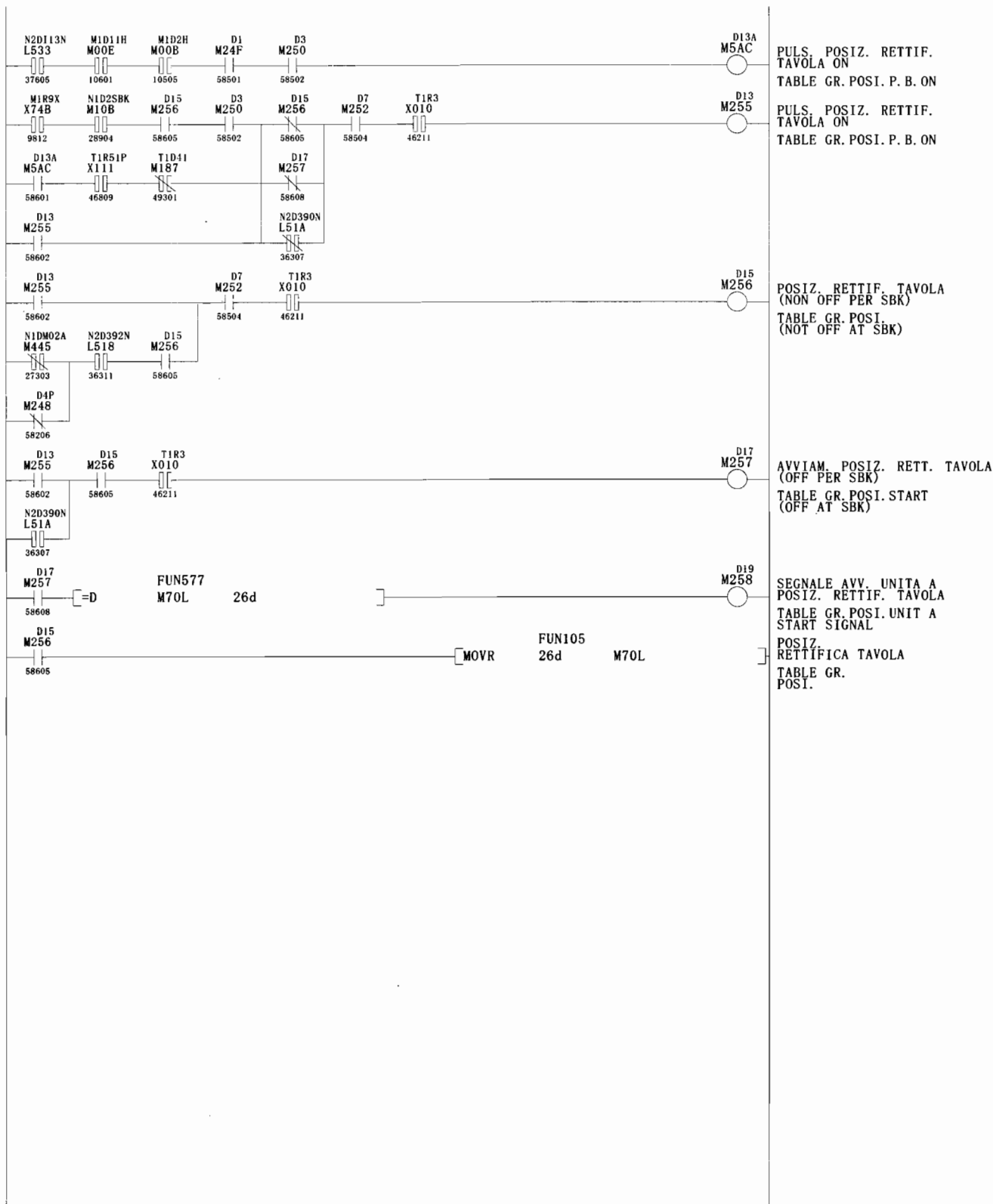
TABLE GR. POSI. P. B. OFF CHECK

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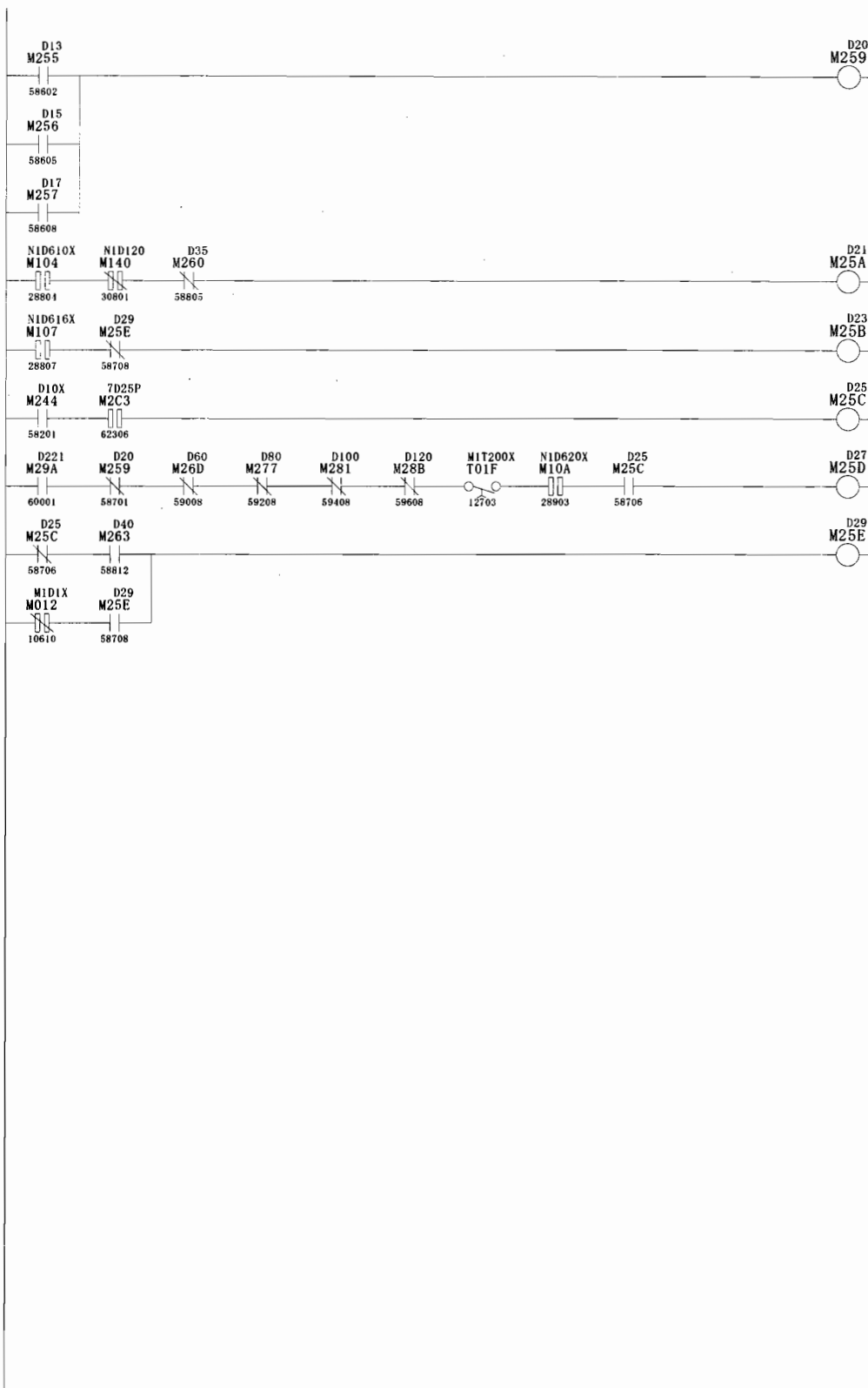
N1D610X	COND. AVVIO EST. A(ALL'AVVIO)	288	W1D286	CAMBIO TUTTI I TIPI ESEGUITO	190
N1D120	PROGRAMMA UNITA BIN CORSO	308	W1T200X	SELEZ. PEZZO COMPLETA	127
7D25P	POSIZ. INIZIALETESTA PORTAM.	623	N1D620X	COND. ESEC. AVVIO EST.	289
N1D616X	COND. AVVIO EST. A(OGNI AVVIO)	288	W1D1X	RESET ERRORI	106
W2D1P	NON INTERF. CARICATORE	210	W1D11H	ATTIVA	106
1D2P	CENTRO CONTROPUNTA(AVANZ.	524	N2D113N	SEGNALE INTER. 131ND. W4ND. PORTAP. 1AF.	376
1T12P	MANDRINO AGG.	525	W1D2H	MANUAL(INIZIO EST.)	105
4D2P	AV. CENTROTESTA PORTAP.	545			
4K2	IMP. CONFERMA INSER.PERNO COMANDO	557			
7D3P	POS. AVVIAIM.TESTA PORTAM.	623			
N2D222X	USCITA DATI 94CICLO PERNO COMANDO ON	352			
COLIMARK	FUNCTION	PAGE	COLIMARK	FUNCTION	PAGE

COLL MARK	FUNCTION	PAGE	COLL MARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	6	5/21		PAGE
	CONTENTS	TAVOLA			585
	DRAWING NO.	35-80777001-1			

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N2D113N	SEGMALF 1STERR. 1313ND. MAVD. PORTAP. TAV.	376			
MID11H	ATTIVA	106			
MID2H	MANUAL (INIZIO EST.)	105			
MIR9X	AVVIO BLOCCO SINGOLO	98			
NID2SBK	CONTR. DIS. PLS. BLOCCO SING. (UNITA A)	289			
TIR3	SERVO ONCOMPLETO	462			
TIR5IP	BLOCCAGGIO ANTERIOREDI MACCHINA	468			
TID41	COND. ESEC. APERTURA SPORT.	493			
N2D390N	AVVIO ESEC. AUTOM. UNITA A	363			
NIDMO2A	FINE ARRESTOCODICE M UNITA A	273			
N2D392N	ESECUZ. AUTOM. UNITA A	363			
COLMARK	FUNCTION	PAGE	COLMARK	FUNCTION	PAGE
USER'S NO.		DEVICE CODE		PAGE	
		6		6/21	
CONTENTS		TAVOLA		586	
DRAWING NO.		35-80777001-1			

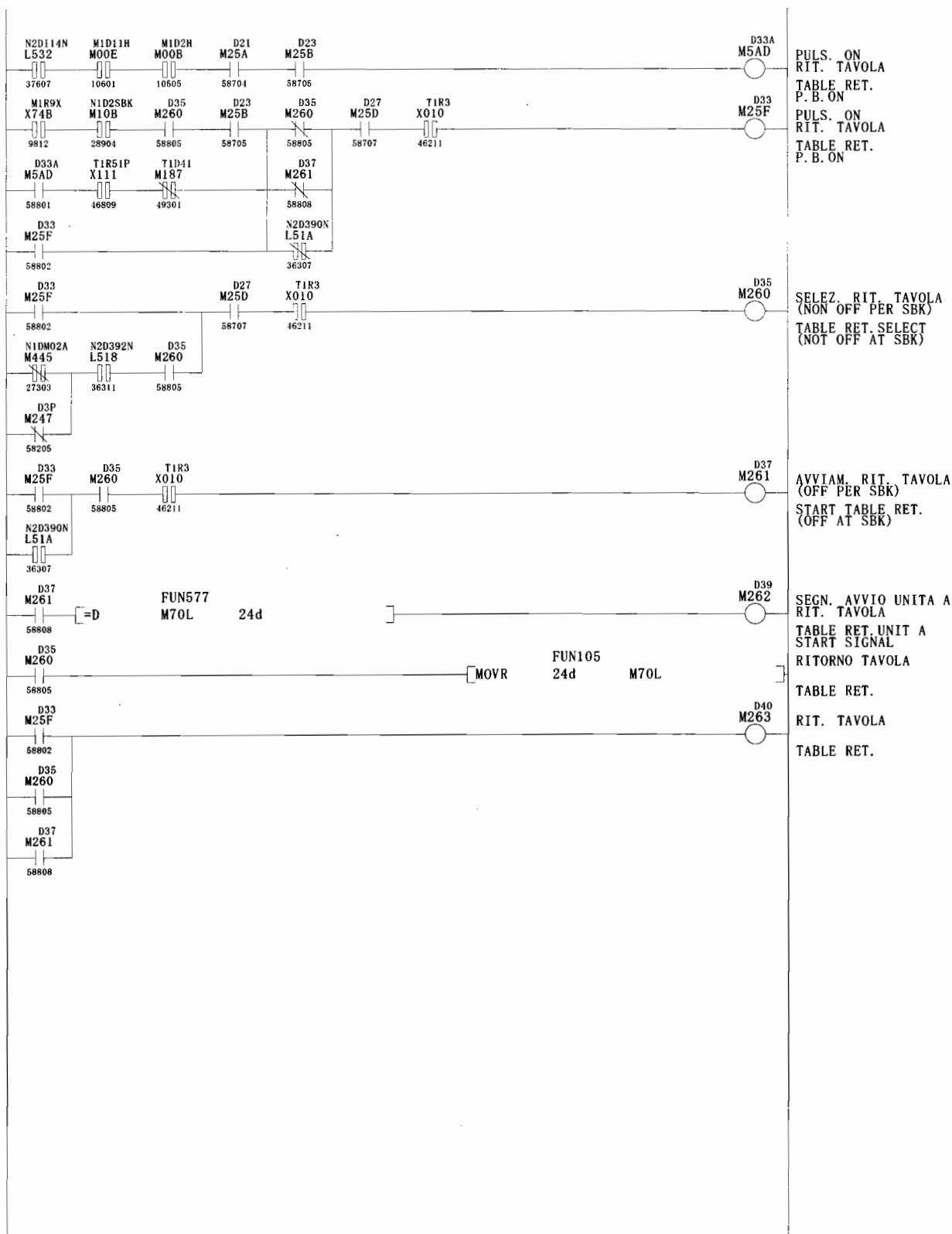


POSIZ. RETTIF.
TAVOLA
TABLE GR.
POSI.

COND. AVV. TAVOLA RIT.
(AVVIAM.)
TABLE RET. START CONDI.
(AT START)
COND. AVV. TAVOLA RIT.
(OGNI AVVIAM.)
TABLE RET. START CONDI.
(AT EVERY START)
COND. ESECUZ. RIT. TAVOLA
(POSIZ.)
TABLE RET. RUN CONDI.
(POSITION)
COND. ESEC.
RIT. TAVOLA
TABLE RET.
RUN CONDI.
CICLO OFF
RIT. TAVOLA
TABLE RET.
CYCLE OFF

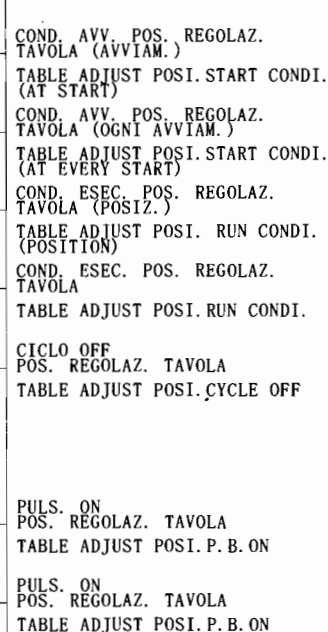
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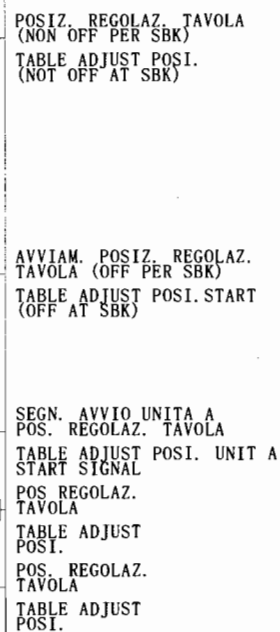
N2D114N	SEGNALE INTERR. 14RIT. HAND. PORTAP. TAV.	376			
M1D11H	ATTIVA	106			
M1D2H	MANUAL (INIZIO EST.)	105			
M1R9X	AVVIO BLOCCO SINGOLO	98			
N1D2SBK	CONTR. DIS. PLS. BLOCCO SING. (UNITA A)	289			
T1R3	SERVO ONCOMPLETO	462			
T1R51P	BLOCCAGGIO ANTERIOREDI MACCHINA	468			
T1D41	COND. ESEC. APERTURA SPORT.	493			
N2D390N	AVVIO ESEC. AUTOM. UNITA A	363			
N1D02A	FINE ARRESTOCODICE M UNITA A	273			
N2D392N	ESECUZ. AUTOM. UNITA A	363			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	6	8/21	PAGE	
	CONTENTS	TAVOLA			588
	DRAWING NO.	35-80777001-1			

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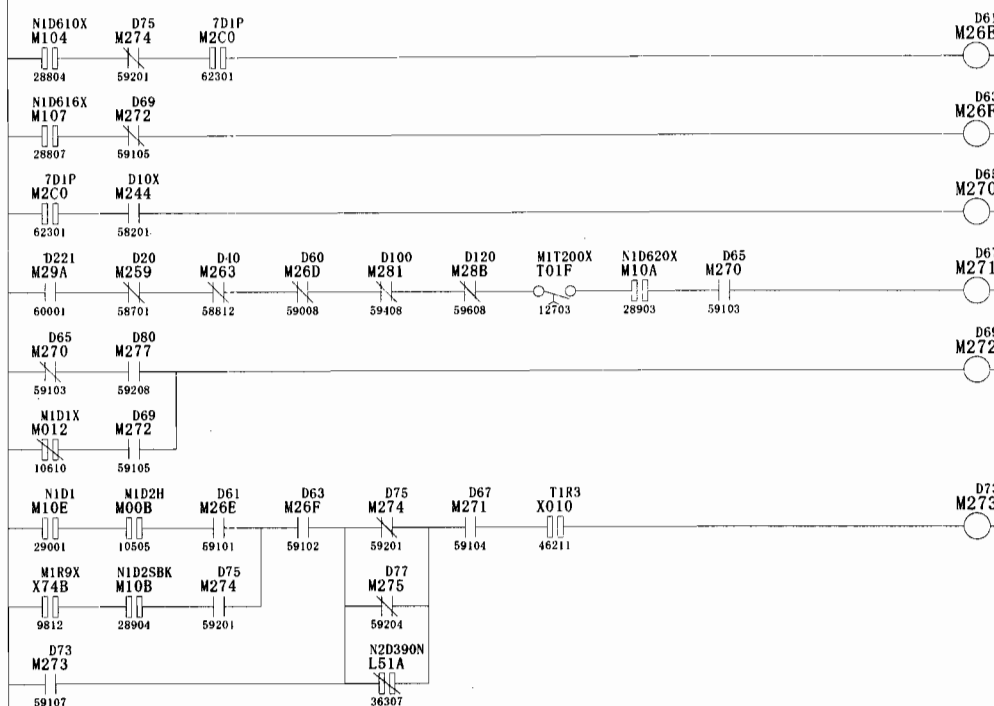


N1D610X	COND. AVVIO EST. A(ALL'AVVIO)	288	T1R3	SERVO ONCOMPLETO		462
7D25P	POSIZ. INIZIALETESTA PORTAM.	623	T1R51P	BLOCCAGGIO ANTERIOREDI MACCHINA		468
N1D616X	COND. AVVIO EST. A(OAGNI AVVIO)	288	T1D41	COND. ESEC.APERTURA SPORT.		493
W1T200X	SELEZ. PEZZO COMPLETA	127	N2D390N	AVVIO ESEC.AUTOM. UNITA A		363
N1D620X	COND. ESEC. AVVIO EST.	289				
W1D1X	RESET ERRORI	106				
N2D132N	SEGNALE INTERR. 32POS. REGOL. TAV.	378				
W1D11H	ATTIVA	106				
W1D2H	MANUAL (INIZIO EST.)	105				
M1R9X	AVVIO BLOCCO SINGOLO	98				
N1D2SBK	CONTR. DIS. PULS. BLOCCO SING. (UNITA A)	289				
COILMARK	F U N C T I O N	PAGE	COILMARK	F U N C T I O N	PAGE	
USER'S NO.	DEVICE CODE	6	9/21	PAGE		
	CONTENTS	TAVOLA				589
	DRAWING NO.	35-80777001-1				

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TIR3	SERVO ONCOMPLETO		462		
NIDM02A	FINE ARRESTOCODICE M UNITA A		273		
N2D392N	ESECUZ. AUTOM. UNITA A		363		
N2D390V	AVVIO ESEC.AUTOM. UNITA A		363		
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	6	10/21		PAGE
	CONTENTS	TAVOLA			590
	DRAWING NO.	35-80777001-1			

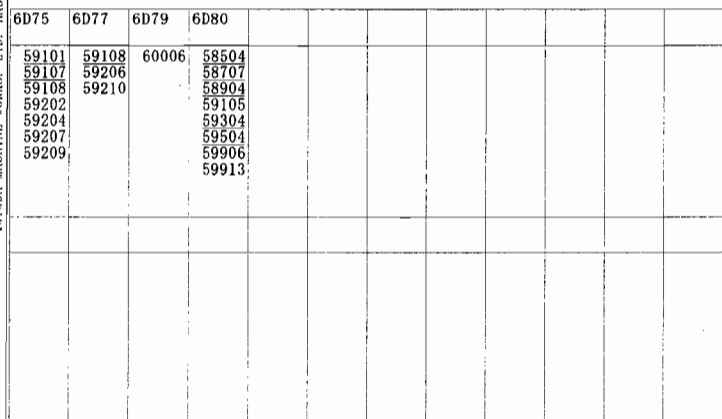
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COND. AVV. POS. DIAM. MOLA
TAVOLA (AVVIAM.)
TABLE WHEEL DIA. POSI. START CONDI.
(AT START)
COND. AVV. POS. DIAM. MOLA
TAVOLA (OGNI AVVIAM.)
TABLE WHEEL DIA. POSI. START CONDI.
(AT EVERY START)
COND. AVV. POS. DIAM. MOLA
TAVOLA (POSIZ.)
TABLE WHEEL DIA. POSI. RUN CONDI.
(POSITION)
COND. ESECUZ. POS. DIAM.
MOLA TAVOLA
TABLE WHEEL DIA. POSI.
RUN CONDI.
CICLO OFF POS. DIAM.
MOLA TAVOLA
TABLE WHEEL DIA. POSI.
CYCLE OFF

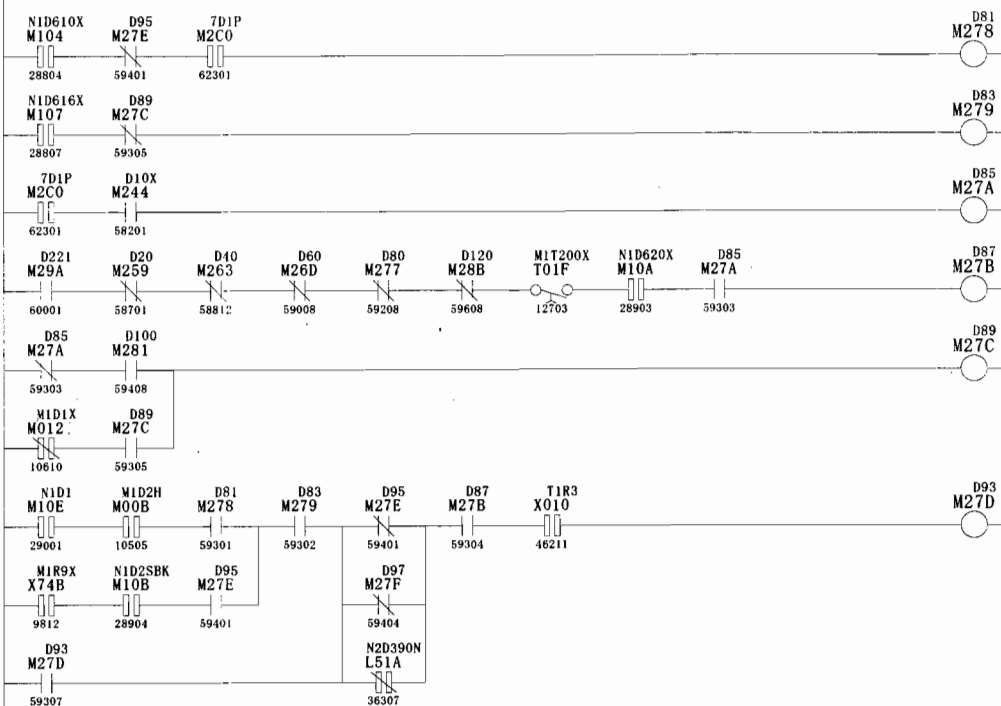
PULS. ON POS. DIAM.
MOLA TAVOLA
TABLE WHEEL DIA. POSI.
P. B. ON

N1D610X	COND. AVVIO EST. A(ALL' AVVIO)	288	N2D390N	AVVIO ESEC. AUTOM. UNITA A		363
7D1P	POSIZ. INIZIALETESTA PORTAM.	623				
N1D616X	COND. AVVIO EST. A(OGNI AVVIO)	288				
W1T200X	SELEZ. PEZZO COMPLETA	127				
N1D620X	COND. ESEC. AVVIO EST.	289				
W1D1X	RESET ERRORI	106				
N1D1	OFF FINTO	290				
W1D2H	MANUAL (INIZIO EST.)	105				
T1R3	SERVO ONCOMPLETE	462				
W1R9X	AVVIO BLOCCO SINGOLO	98				
N1D2SBK	CONTR. DIS. PLS. BLOCCO SING. (UNITA A)	289				
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE	
USER'S NO.	DEVICE CODE	6	11/21	PAGE		
	CONTENTS	TAVOLA			591	
	DRAWING NO.	35-80777001-1				

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DRAWING NO.: 35-80777001 OUTPUT: 06/01/24 UPDATE: 05/10/04 TOYODA MACHINE WORKS. LTD.

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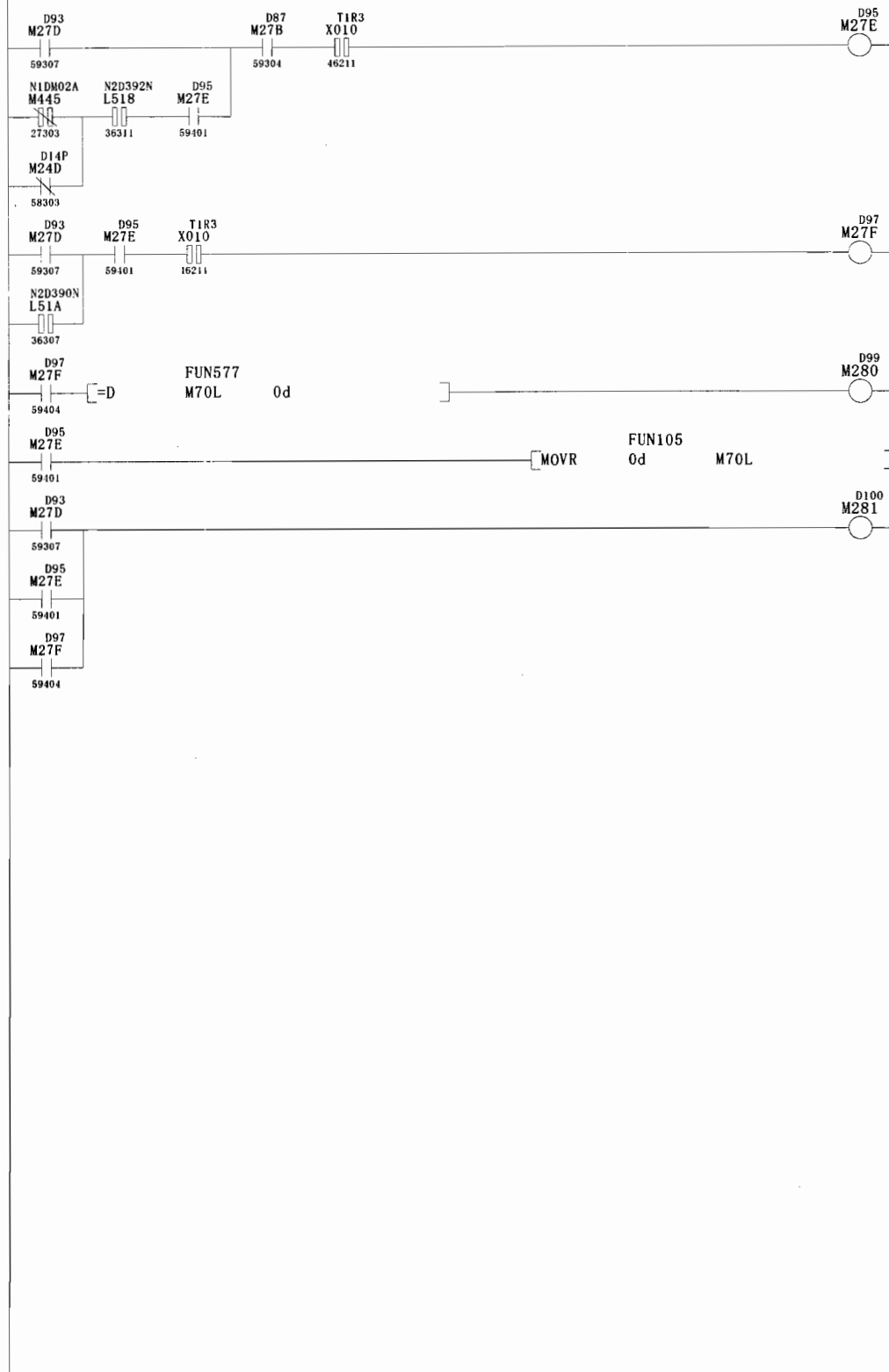


COND. AVV. POS. RILEV.
CONTATTO TAV. (AVVIAM.)
TABLE CONTACT DETECTION POSI.
START CONDI. (AT START)
COND. AVV. POS. RILEV.
CONTATTO TAV. (OGNI AVV.)
TABLE CONTACT DETECTION
START CONDI. (AT EVERY START)
COND. AVV. POS. RILEV.
CONTATTO TAV. (POSIZ.)
TABLE CONTACT DETECTION
POSI. RUN CONDI. (POSITION)
COND. ESEC. POS. RILEV.
CONTATTO TAV.
TABLE CONTACT DETECTION
POSI. RUN CONDI.
CICLO OFF POS. RILEV.
CONTATTO TAV.
TABLE CONTACT DETECTION
POSI. CYCLE OFF

PULS. ON POS. RILEV.
CONTATTO TAV.
TABLE CONTACT DETECTION
POSI. P. B. ON

[illegible]

NID610X	COND. AVVIO EST. A(ALL' AVVIO)	288	N2D390N	AVVIO ESEC. AUTOM. UNITA A	363
7D1P	POSIZ. INIZIALETESTA PORTAM.	623			
NID616X	COND. AVVIO EST. A(OGNI AVVIO)	288			
WIT200X	SELEZ. PEZZO COMPLETA	127			
NID620X	COND. ESEC. AVVIO EST.	289			
WID1X	RESET ERRORI	106			
NID1	OFF FINTO	290			
WID2H	MANUAL(INIZIO EST.)	105			
TIR3	SERVO ONCOMPLETE	462			
WIR9X	AVVIO BLOCCO SINGOLO	98			
NID2SBK	CONTR. DIS. PLS. BLOCCO SING. (UNITA A)	289			
COILMARK	F U N C T I O N	PAGE	COILMARK	F U N C T I O N	PAGE
USER'S NO.	DEVICE CODE	6	13/21	PAGE	
	CONTENTS	TAVOLA			593
	DRAWING NO.	35-80777001-1			

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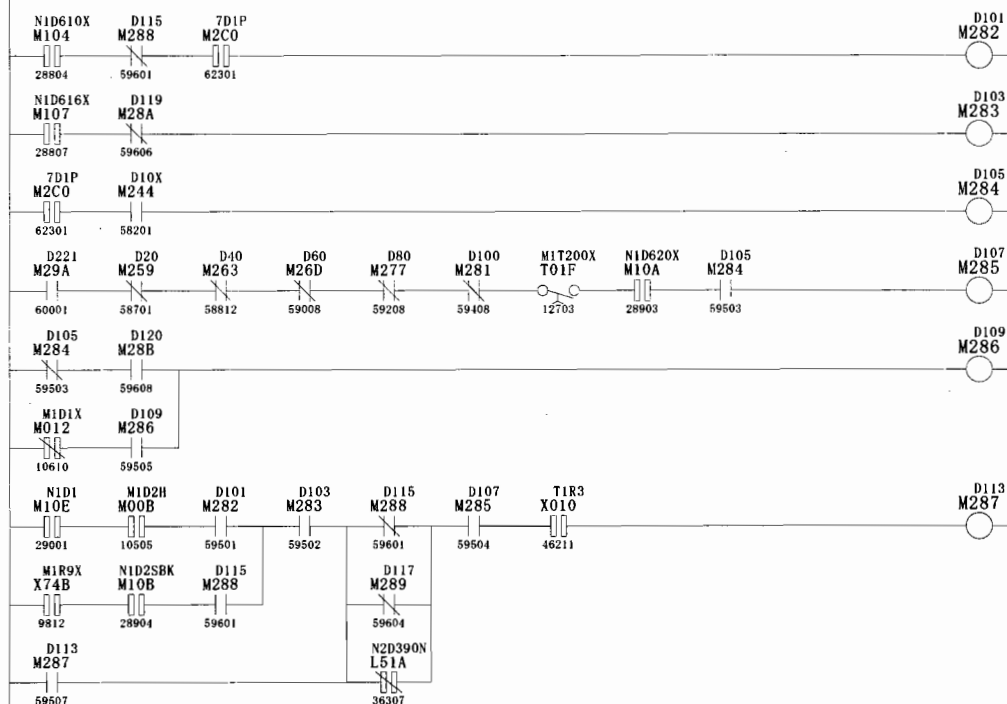
POS. RILEV. CONTATTO TAV.
(NON OFF PER SBK)
TABLE CONTACT DETECTION
POSI. (NOT OFF AT SBK)

AVV. POS. RILEV. CONTATTO TAV.
(OFF PER SBK)
TABLE CONTACT DETECTION
POS. START (OFF AT SBK)

SEGN. AVVIO UNITA A
POS. RILEV. CONT. TAVOLA
TABLE CONTACT DETECTION
POSI. UNIT A START SIGNAL
POSI.
RAVVIV. TAVOLA
TABLE TRUER
POSI.
POS. RILEV.
CONTATTO TAVOLA
TABLE CONTACT
DETECTION POSI.

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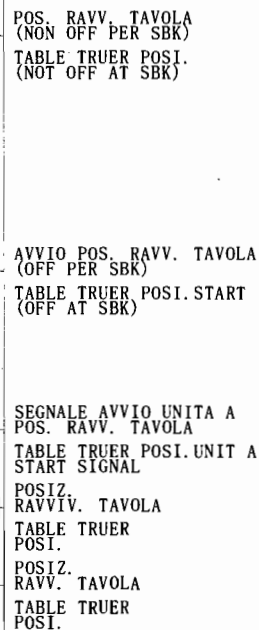
COND. AVV. POS. RAVV.
TAVOLA (AVVIAM.)
TABLE TRUER POSI. START CONDI.
(AT START)
COND. AVV. POS. RAVV.
TAVOLA (OGNI AVVIAM.)
TABLE TRUER POSI. START CONDI.
(AT EVERY START)
COND. ESEC. POS. RAVV.
TAVOLA (POSIZ.)
TABLE TRUER POSI. RUN CONDI.
(POSITION)
COND. ESEC. POS. RAVV.
TAVOLA
TABLE TRUER POSI.
RUN CONDI.
CICLO OFF POS. RAVV.
TAVOLA
TABLE TRUER POSI.
CYCLE OFF

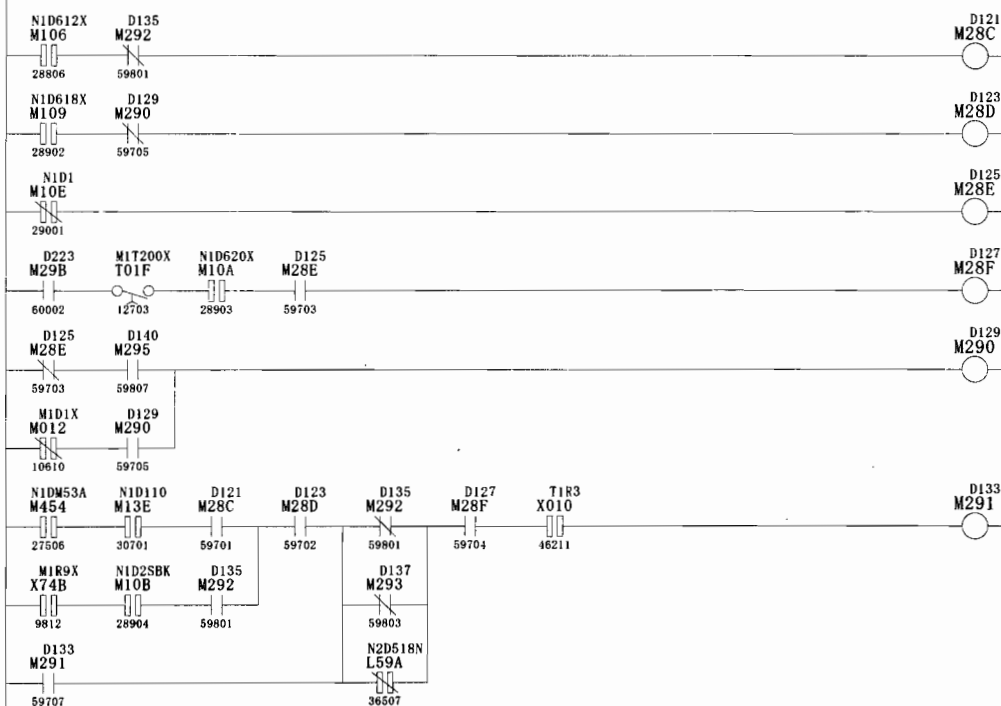
PULS. ON POS. RAVV.
TAVOLA
TABLE TRUER POSI.
P. B. ON

[illegible]

N1D610X	COND. AVVIO EST. A(ALL' AVVIO)	288	N2D390N	AVVIO ESEC. AUTOM. UNITA A	363
7D1P	POSIZ. INIZIALETESTA PORTAM.	623			
N1D616X	COND. AVVIO EST. A(OGNI AVVIO)	288			
MIT200X	SELEZ. PEZZO COMPLETA	127			
N1D620X	COND. ESEC. AVVIO EST.	289			
W1D1X	RESET ERRORI	106			
N1D1	OFF FINTO	290			
W1D2H	MANUAL (INIZIO EST.)	105			
T1R3	SERVO ONCOMPLETE	462			
W1R9X	AVVIO BLOCCO SINGOLO	98			
N1D2SBK	CONTR. DIS. PLS. BLOCCO SING. (UNITA A)	289			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	6	15/21	PAGE	
	CONTENTS				
	TAVOLA				595
	DRAWING NO.	35-80777001-1			

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COND. AVVIO OSCILL.
(AVVIAM.)
OSCILLATION START CONDI.
(AT START)
COND. AVVIO OSCILL.
(OGNI AVVIAM.)
OSCILLATION START CONDI.
(AT EVERY
START)
COND. ESEC. OSCILL.
(POSIZ.)
OSCILLATION RUN CONDI.
(POSITION)
COND. ESEC.
OSCILLAZIONE
OSCILLATION
RUN CONDI.
CICLO OFF
OSCILLAZIONE
OSCILLATION
CYCLE OFF

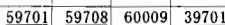
AVVIO
OSCILLAZIONE
OSCILLATION
START

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N1D612X	COND. AVVIO EST. C(ALL' AVVIO)	288	N2D518N	AVVIO ESEC. AUTOM.UNITA C	365
N1D618X	COND. AVVIO EST. C(OGNI AVVIO)	289			
N1D1	OFF FINTO	290			
MIT200X	SELEZ. PEZZO COMPLETA	127			
N1D620X	COND. ESEC. AVVIO EST.	289			
N1D1X	RESET ERRORI	106			
N1DWM53A	AVVIO OSCILLAZIONE CODICE V UNITA A	275			
N1D110	PROGRAMMA UNITA A IN CORSO	307			
T1R3	SERVO ONCOMPLETO	462			
M1R9X	AVVIO BLOCCO SINGOLO	98			
N1D258K	CONTR. DIS. PLS. BLOCCO SING.(N1TA A)	289			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	6	17/21	PAGE	
	CONTENTS	TAVOLA			597
	DRAWING NO.	35-80777001-1			

DRAWING NO. OF STANDARD:

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UPDATE: 05/10/04

TOYODA MACHINE WORKS, LTD.

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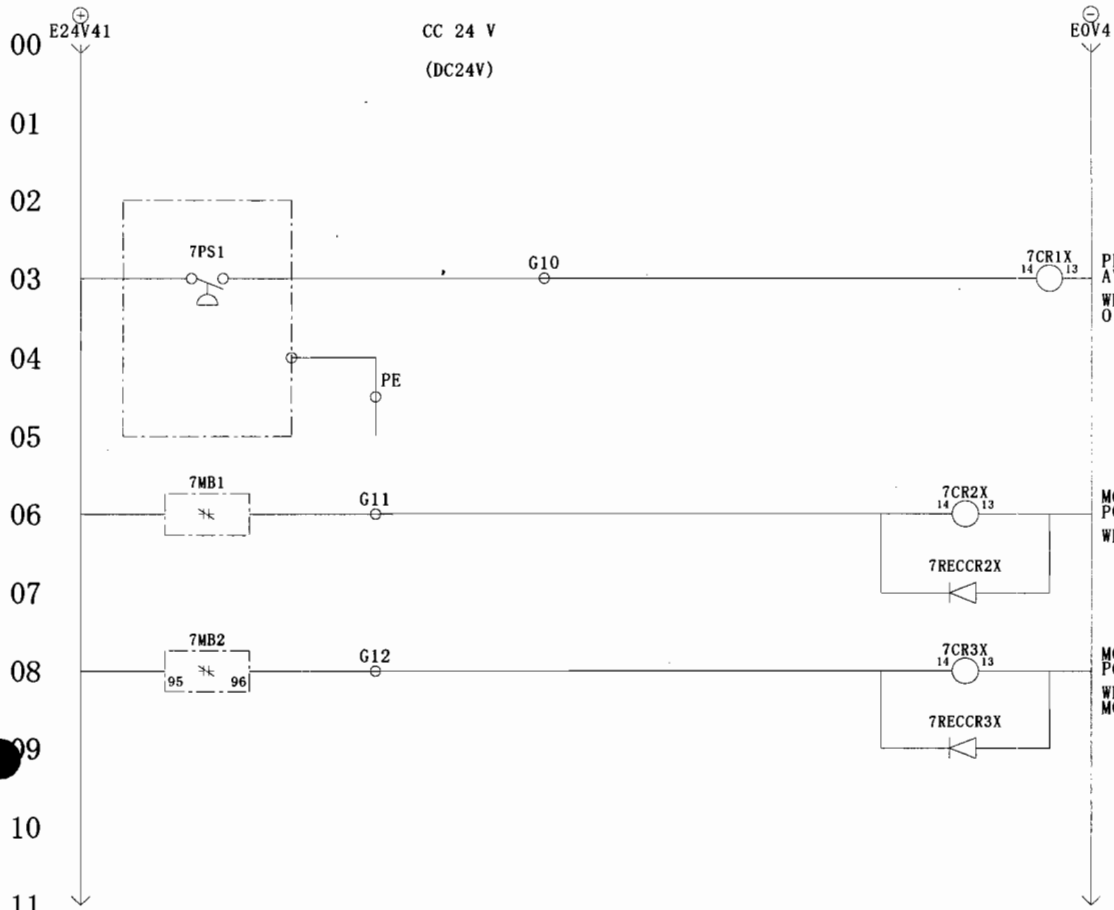
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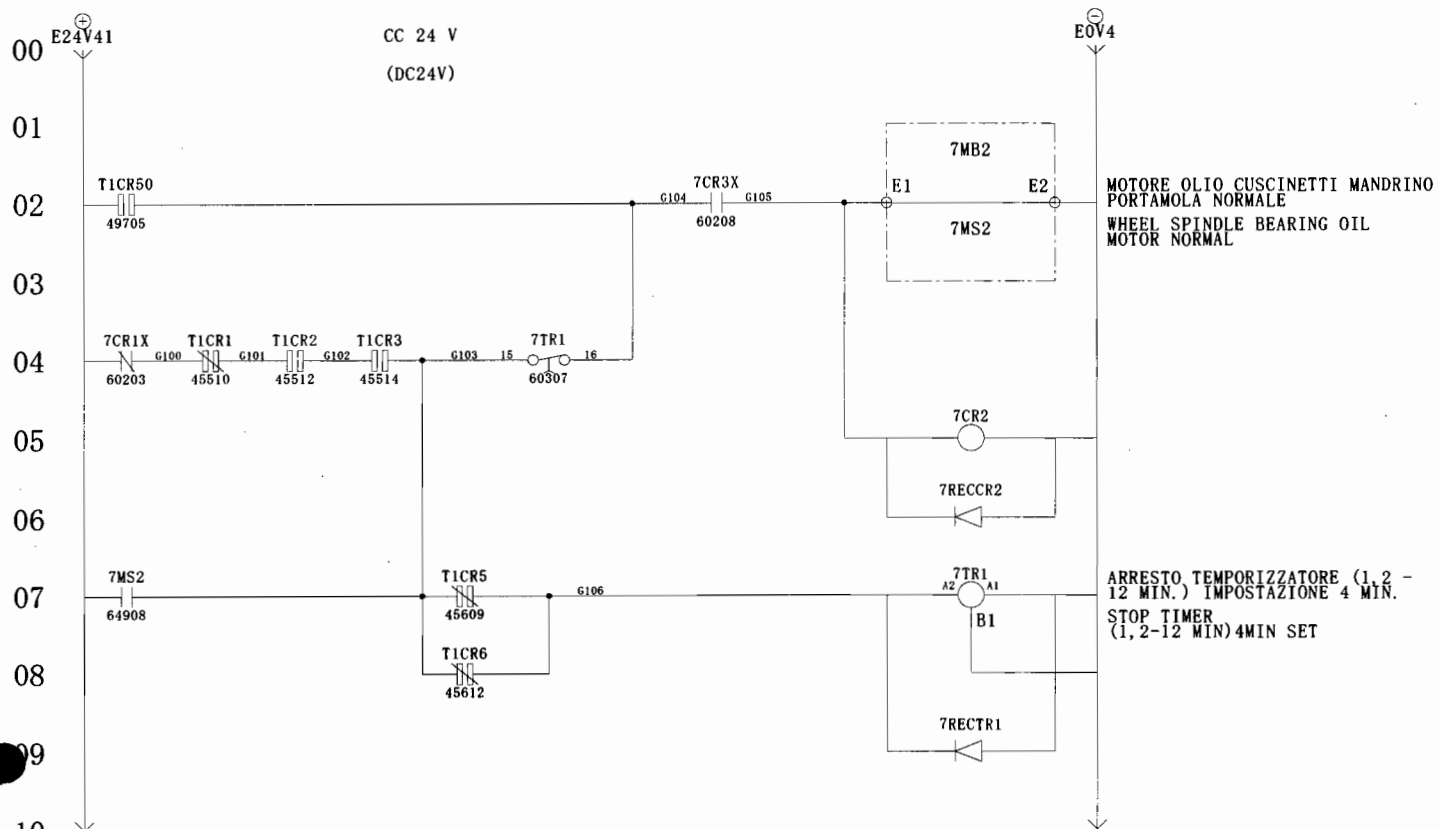
AVV. EST. OFF PREV. 6
(LIVELLO A)
EX START OFF EXPECT 6
(LEVEL A)
AVV. EST. OFF PREV. 6
(LIVELLO C)
EX START OFF EXPECT 6
(LEVEL C)
SEGNAL AVV. CN ATTORNO 6
(LIVELLO A)
NC START SIGNAL AROUND 6
(LEVEL A)

7D10B	CICLO RITORNO	611		
9D10B	RITORNORIPASSATORE	680		
W1D211	ESECUZIONE CN ATTORNO W1(LIVELLO A)	184		
N1D211	CN IN CORSO ATTORNO N1 (LIV. A)	313		
4D211	ESECUZIONE CN ATTORNO 4(LIVELLO A)	567		
7D211	ESECUZ. CN(LIVELLO A)	637		
8D211	ESECUZ. CN(LIVELLO A)	676		
9D211	ESECUZ. CN(LIVELLO A)	712		
4D213	ESECUZIONE CN ATTORNO 4(LIVELLO C)	567		
1D213	ESECUZ. CN ATTORNO 4(LIVELLO C)	535		

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	6	20/21	PAGE	
	CONTENTS	TAVOLA			600
	DRAWING NO.	35-80777001-1			

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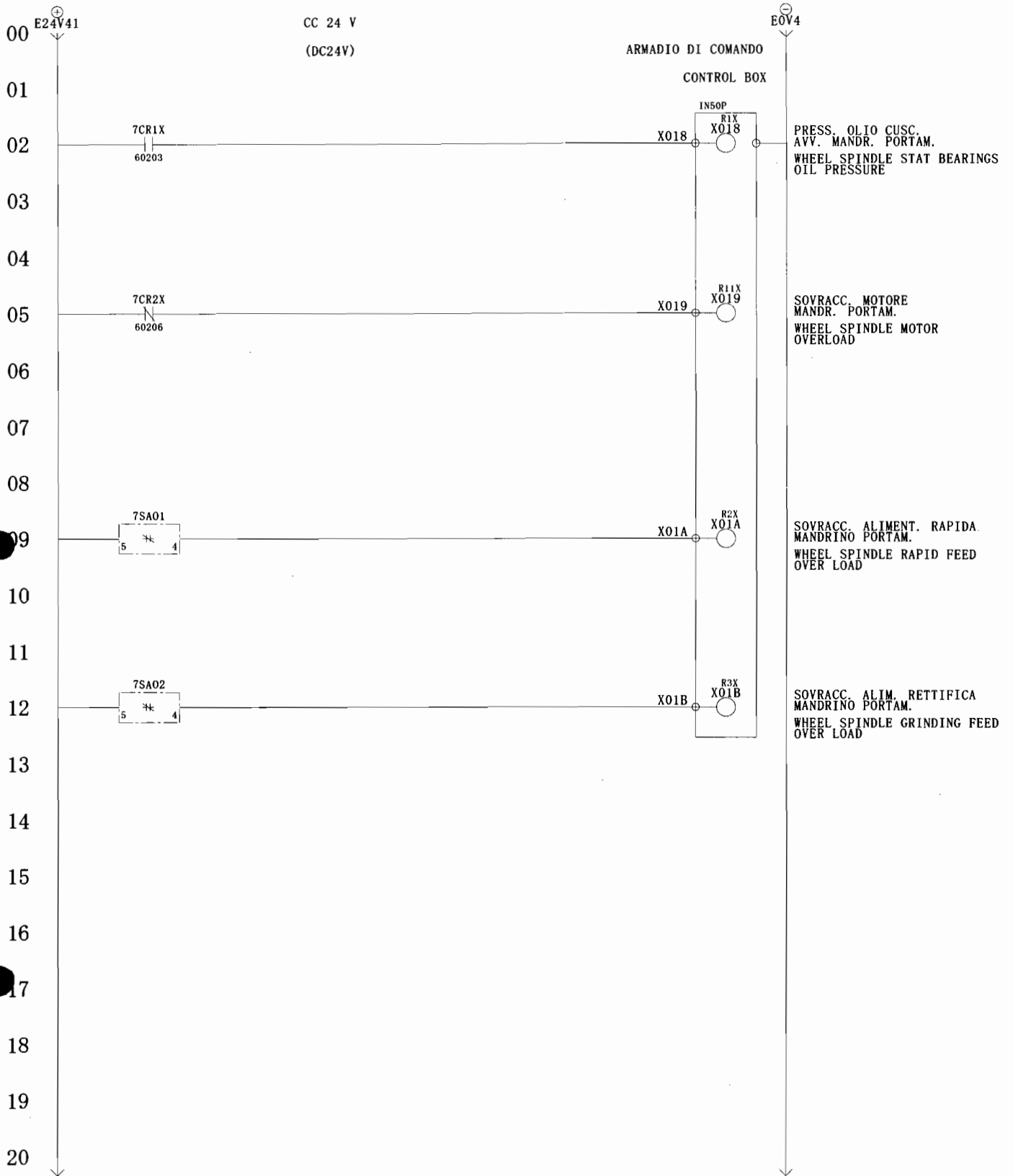
陳其南 等 主編

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TICR50	POMPA ON	497		
TICR1	AVVIO POMPE 1	455		
TICR2	CONTROLLO AVVIO POMPE 1	455		
TICR3	CONTROLLO AVVIO POMPE 2	455		
TICR5	CONTROLLO AVVIO POMPE 3	456		
TICR6	CONTROLLO AVVIO POMPE 4	456		

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	2/56		PAGE
	CONTENTS	TESTA PORTAMCLA			603
	DRAWING NO.	35-80777001-1			

TOYODA MACHINE WORKS, LTD. HAS THE PROPERTY OF THIS DRAWING AND DESIGN SHALL NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR PERMISSION OF TOYODA MACHINE WORKS, LTD.



7R1X	7R11X	7R2X	7R3X																	
61402 63203	48204 61701	61501	61503																	

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	3/56		PAGE
	CONTENTS			TESTA PORTAMOLA	604
	DRAWING NO.			35-80777001-1	

TOYODA MACHINE WORKS, LTD. HAS THE PROPERTY OF THIS DRAWING AND DESIGN SHALL NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR PERMISSION OF TOYODA MACHINE WORKS, LTD.

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(DC 24V)

ARMADIO DI COMANDO
CONTROL BOX

E0V1

7INV1

112

X02A

R50X
X02A

INV. NORMALE
MANDR. PORTAM.
WHEEL SPINDLE INV.NORMAL

X02B

R51X
X02B

SEGNALE
VELOCITA ZERO
ZERO SPEED SIGNAL

X02C

R52X
X02C

SEGN. COINC.
VELOCITA
SPEED COINCI.SIGNAL

7AMP2

X02D

R57X
X02D

TEMP. MANDR. PORTAM.
USCITA 1

X02E

R58X
X02E

WHEEL SPINDLE TEMP.
OUTPUT 1

X02F

R59X
X02F

TEMP. MANDR. PORTAM.
USCITA 2

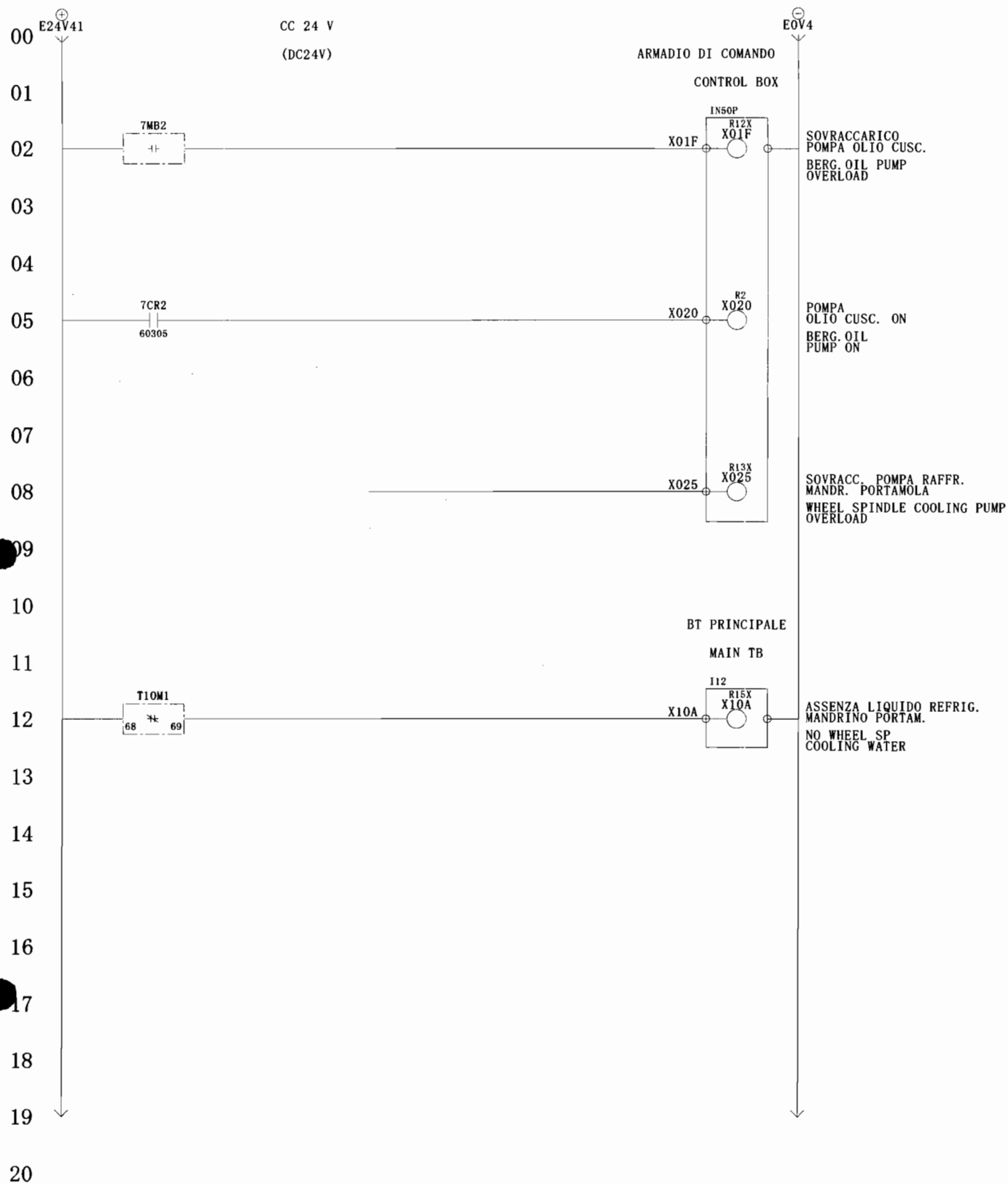
WHEEL SPINDLE TEMP.
OUTPUT 2

TEMP. MANDR. PORTAM.
USCITA AUS. 1

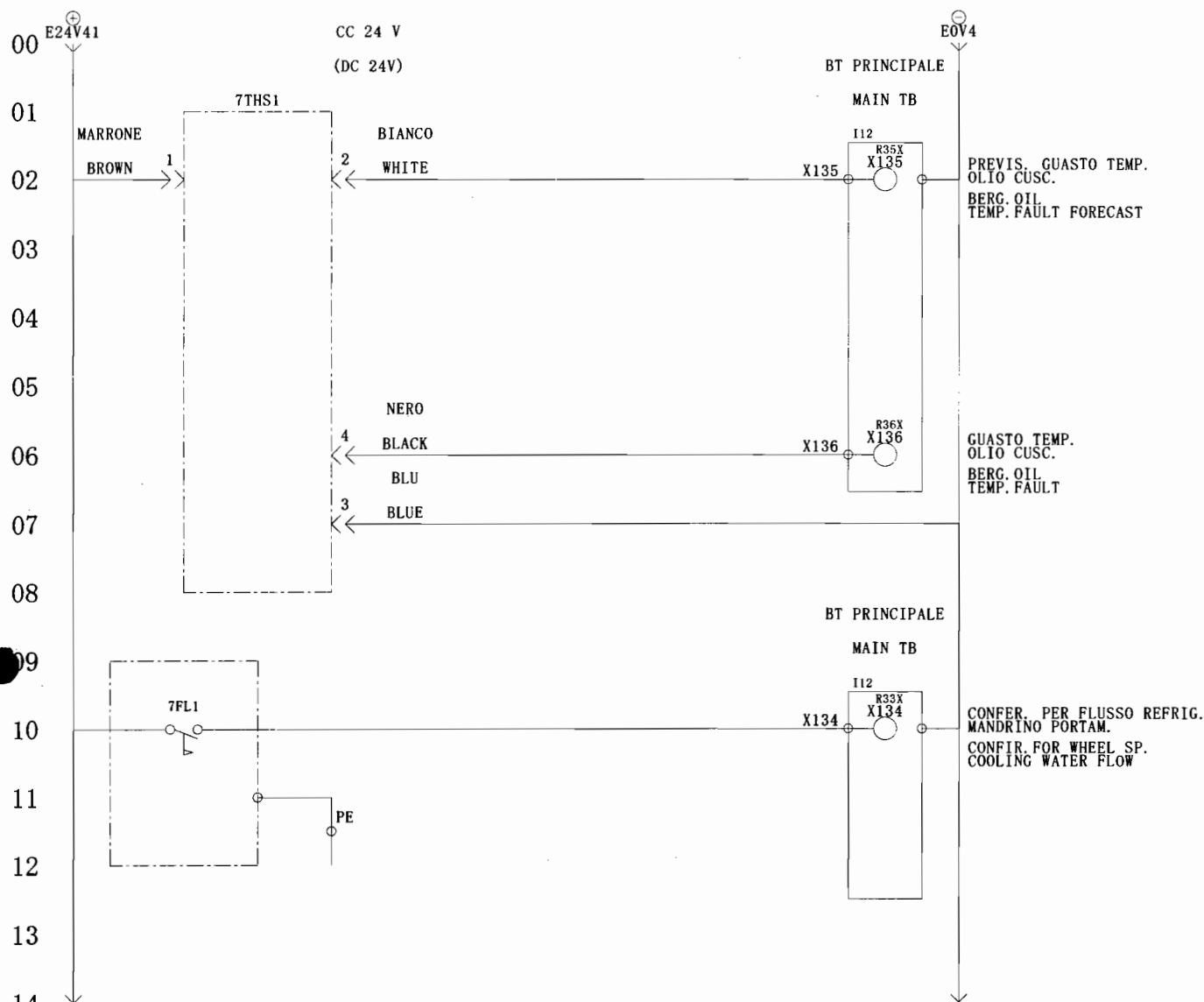
WHEEL SPINDLE TEMP.
AUX. OUTPUT 1

7R50X	7R51X	7R52X	7R57X	7R58X	7R59X						
61511 62110	63101	11802 61202 62309	61505 61506 63307 63901	61509 63901							

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	4/56		PAGE
	CONTENTS		TESTA PORTAMCLA		605
	DRAWING NO.		35-80777001-1		

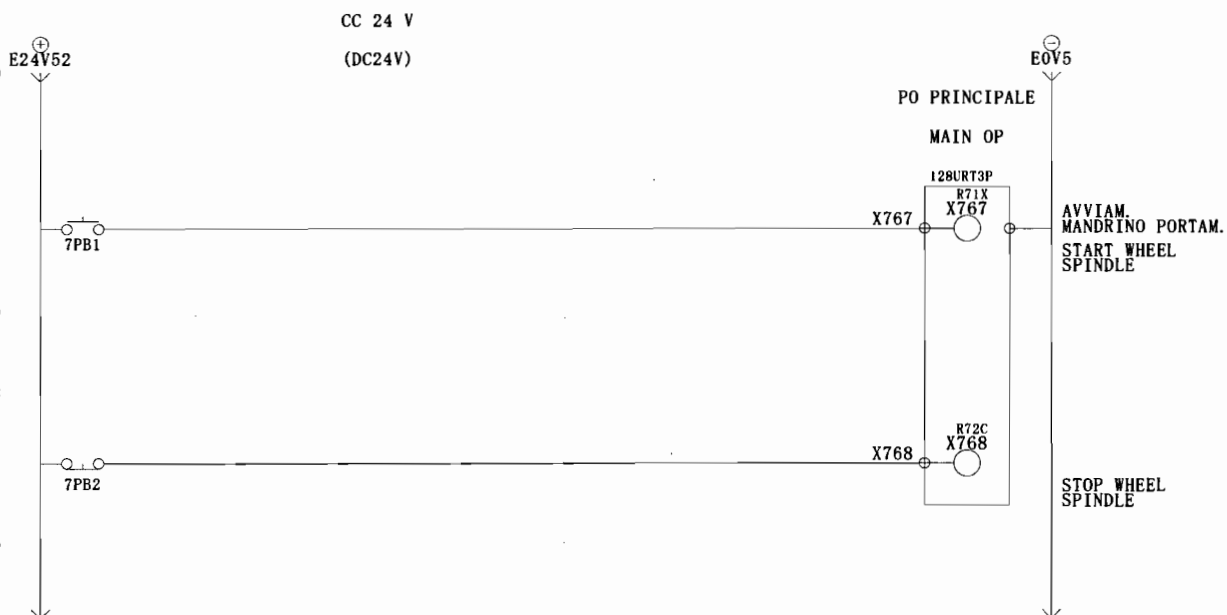
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DEFINING NO. OF STANDS:

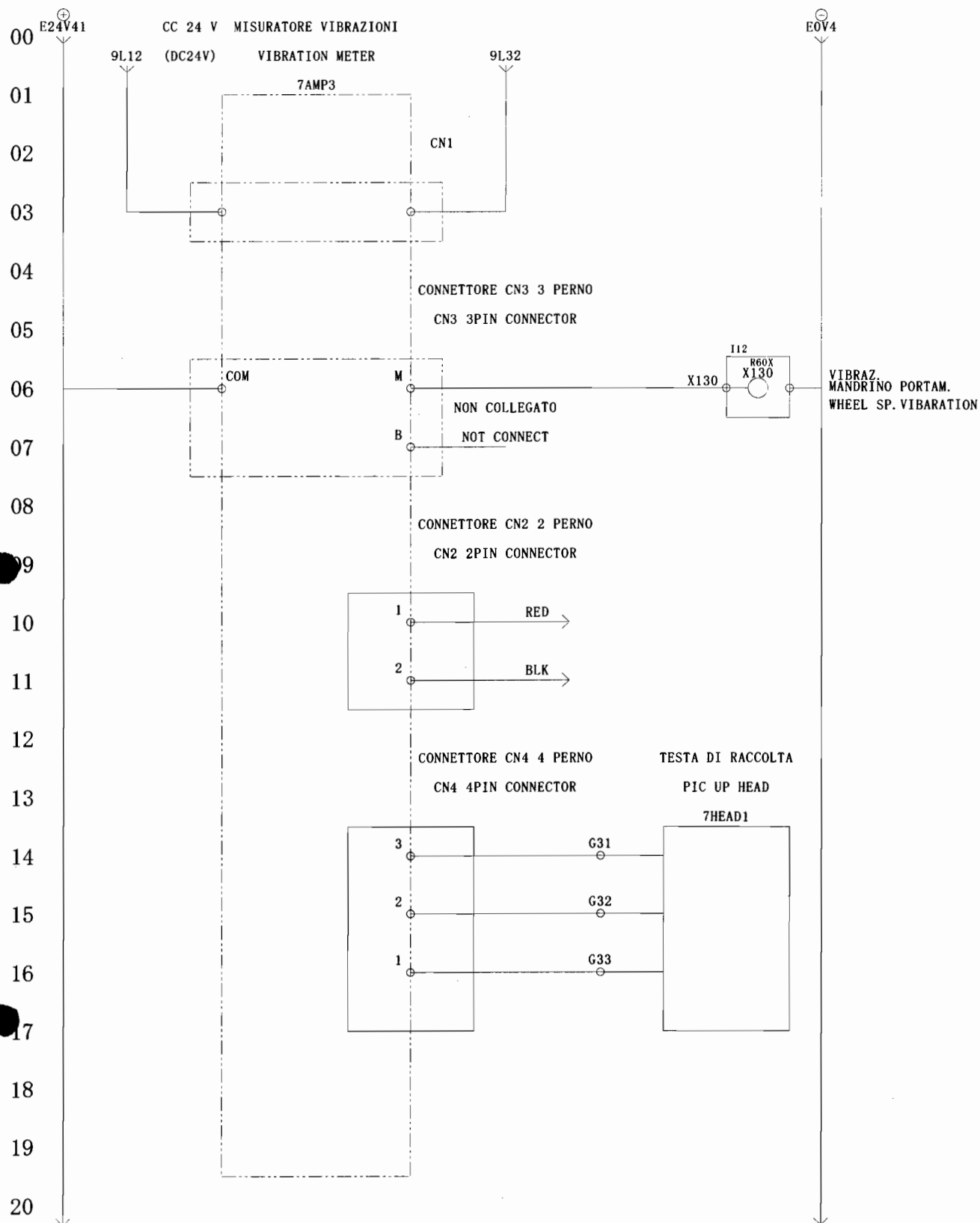
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USER'S NO.	DEVICE CODE	7	7/56		PAGE
	CONTENTS	TESTA PORTAMCLA			608
	DRAWING NO.	35-80777001-1			

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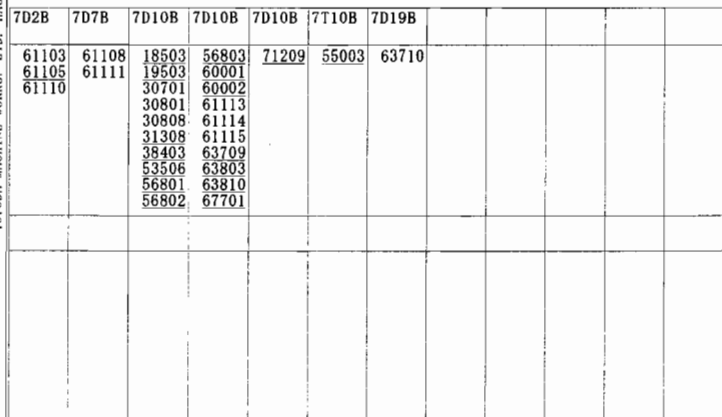
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	8/56		PAGE
	CONTENTS	TESTA PORTAMCLA			609
	DRAWING NO.	35-80777001-1			

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COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	9/56		PAGE
	CONTENTS	TESTA PORTAMOLA			610
	DRAWING NO.	35-80777001-1			

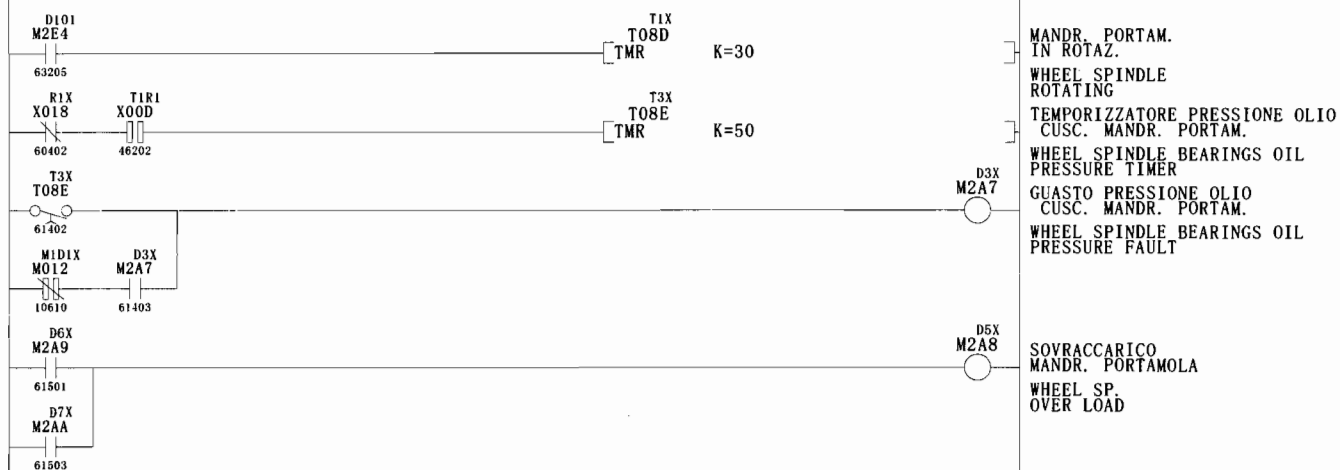
REVIEW NO. or STUDENT:

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COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	10/56		PAGE
	CONTENTS	TESTA PORTAMOLA			611
	DRAWING NO.	35-80777001-1			

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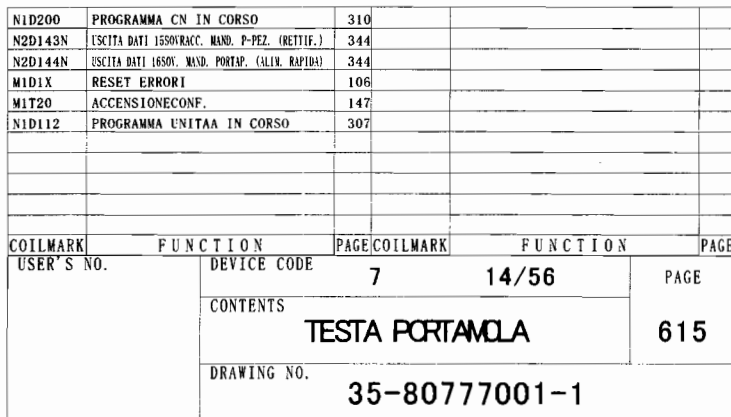
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HEATING VOL. OF STANDARD:

DRAWING NO. : 35-80777001

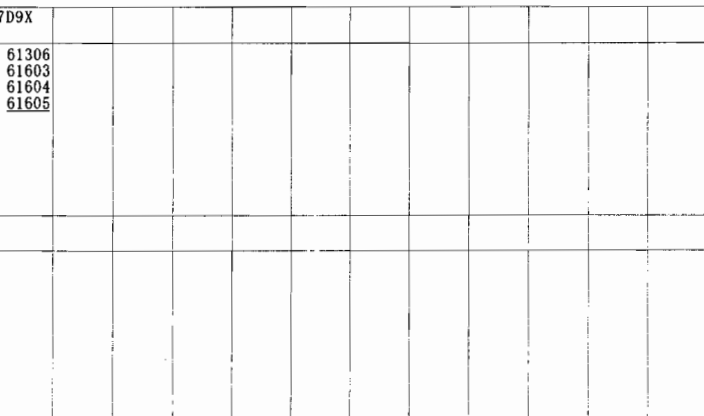
OUTPUT: 06/01/25

UPDATE: 05/10/04

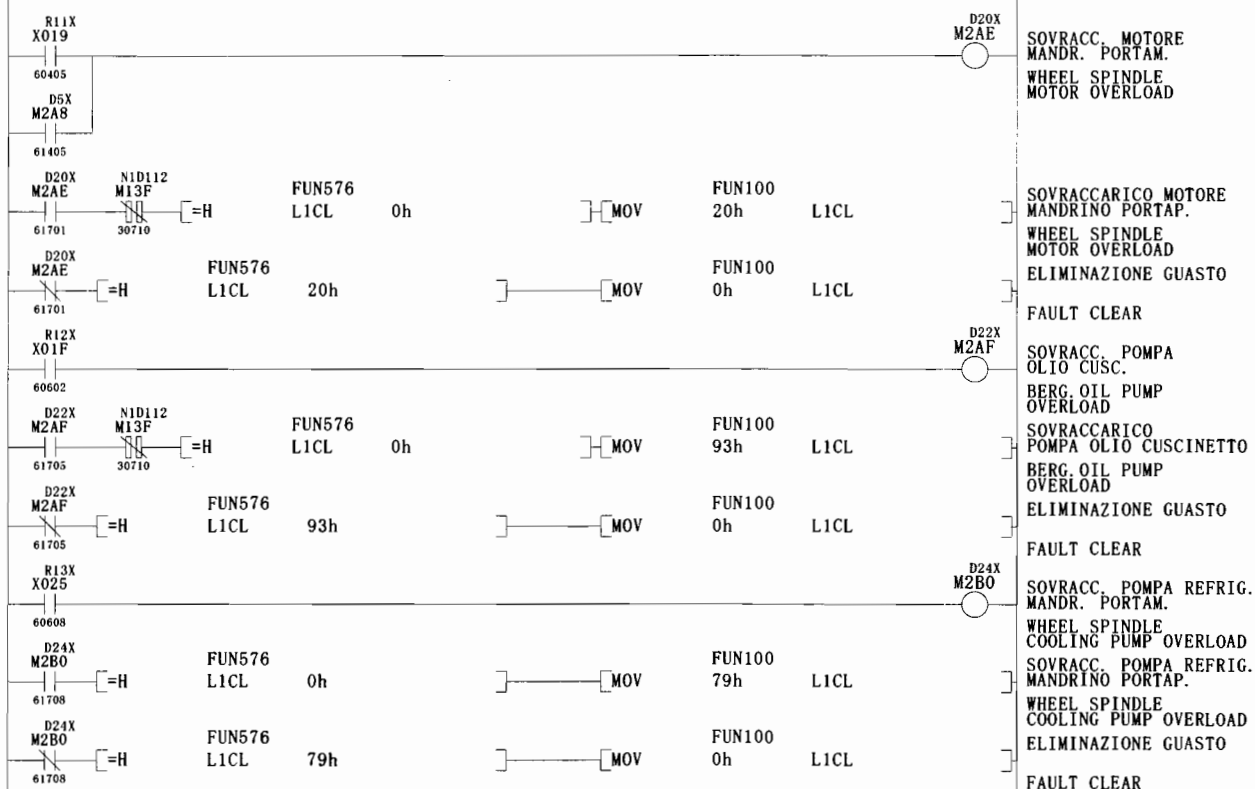


TOYODA MACHINE WORKS. LTD.

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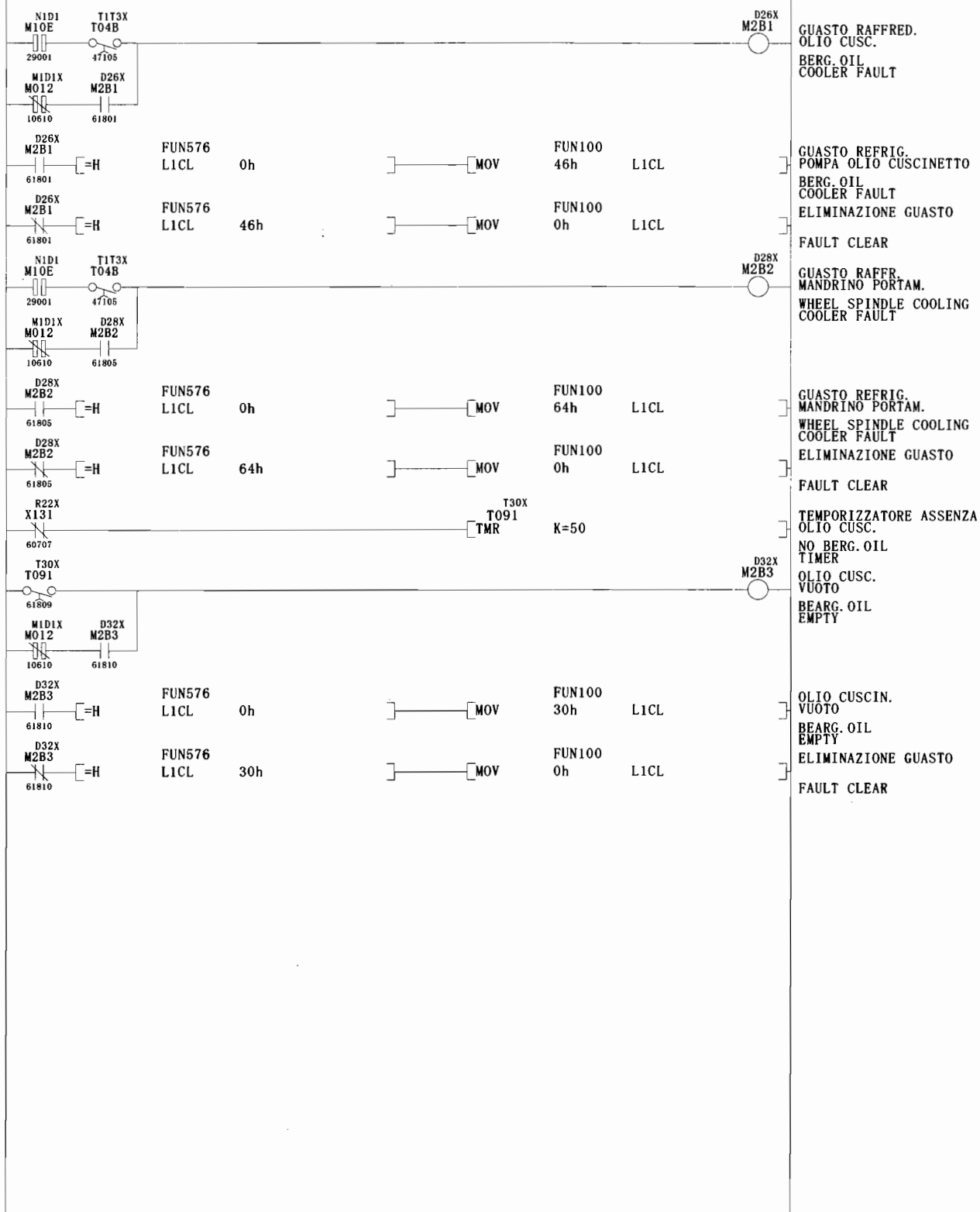
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NID112	PROGRAMMA UNITAA IN CORSO	307			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	16/56	PAGE	
	CONTENTS	TESTA PORTAMOLA			617
	DRAWING NO.	35-80777001-1			

DRYING Wt. OF STANDARD:

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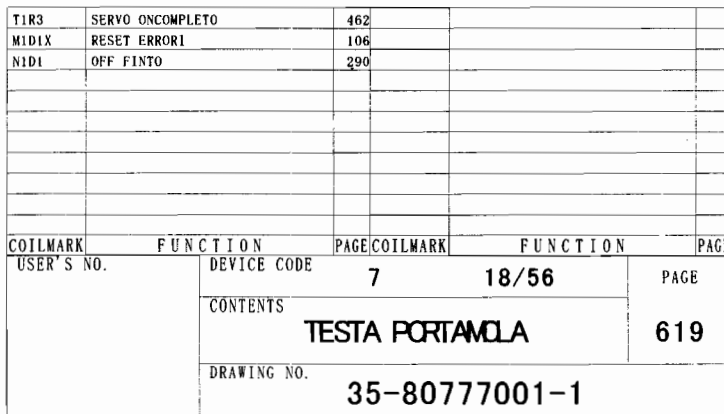
N1D1	OFF FINTO	290			
T1T3X	CONFERMAAVVIAM. POMPE	471			
M1D1X	RESET ERRORI	106			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	17/56	PAGE	
	CONTENTS	TESTA PORTAMCLA			618
	DRAWING NO.	35-80777001-1			

DILUTING VOL. OF STANDARD:

DRAWING NO. : 35-80777001

OUTPUT: 06/01/25

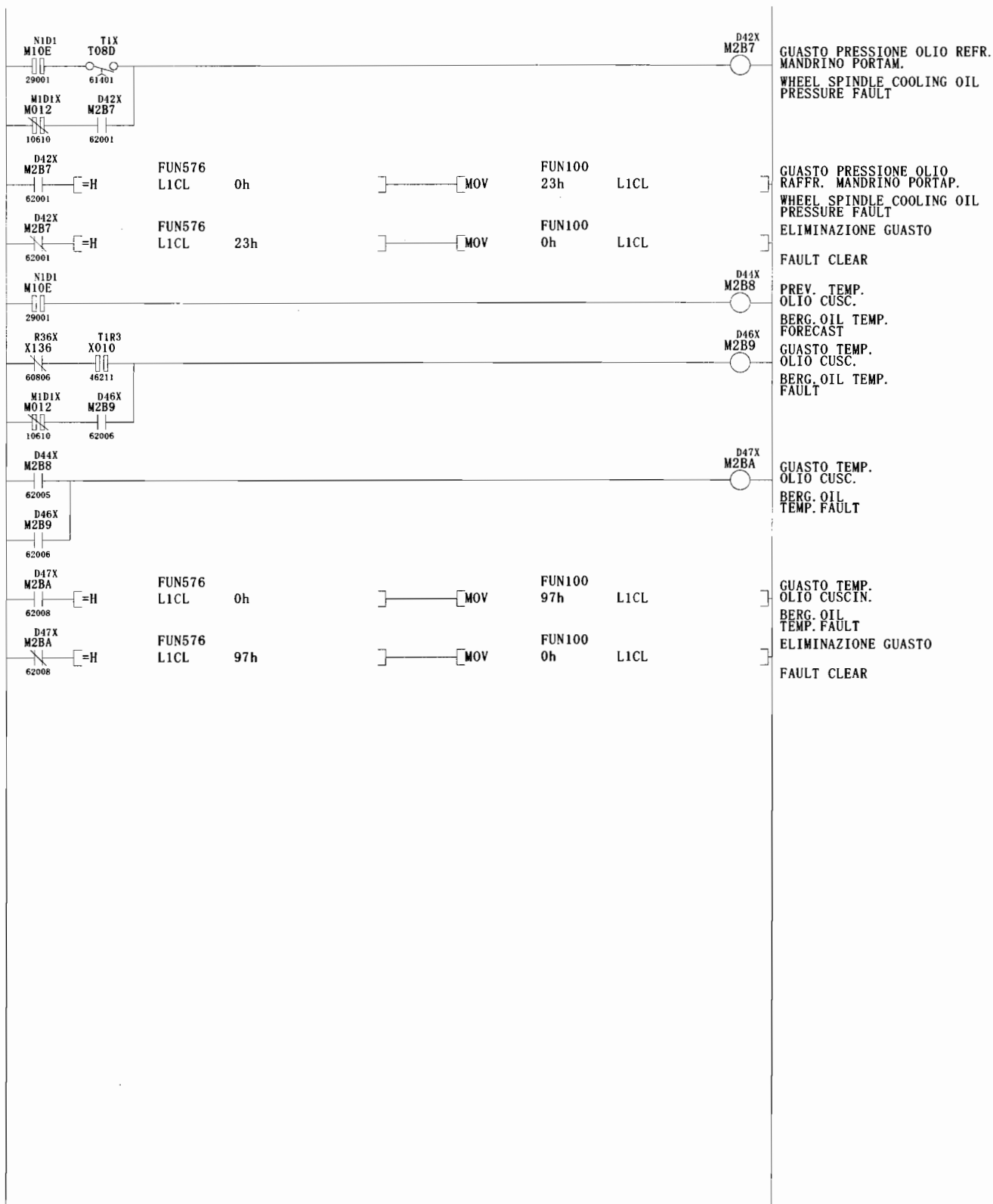
UPDATE: 05/10/04



TOYODA MACHINE WORKS. LTD.

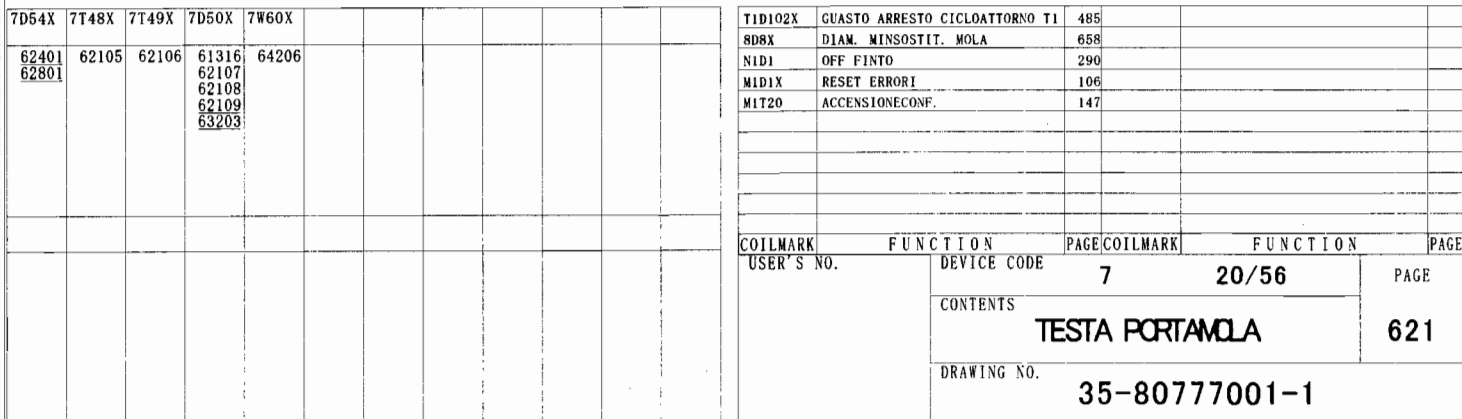
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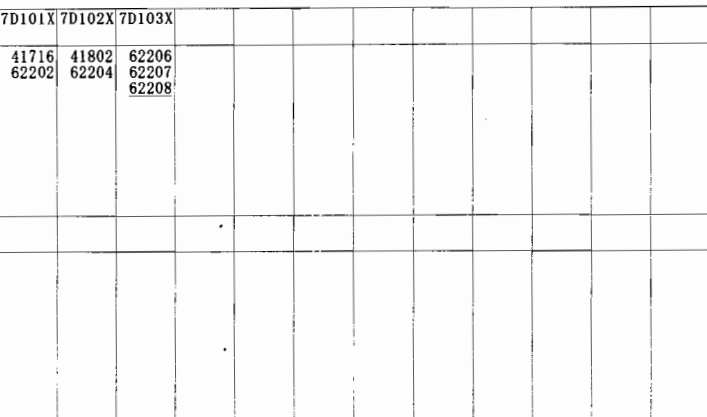
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N1D1	OFF FINTO	290			
M1D1X	RESET ERRORI	106			
T1R3	SERVO ONCOMPLETO	462			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	19/56	PAGE	
	CONTENTS	TESTA PORTAMCLA			620
	DRAWING NO.	35-80777001-1			

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DATE OF REVISION: DRAWING NO. : 35-80777001 OUTPUT: 06/01/25 UPDATE: 05/10/04

DRIVING NO. OF STATION:

N2D288N
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35818
N2D287N
L481
35816
D1P
M2C0
62301
D2P
M2C1
62302
N2D285N
L483
35812
D1P
M2C0
62301
D2P
M2C1
62302
D25P
M2C3
62306
R52X
X02C
60504
D389
M2F7
63903
T1
T095
62309
N1D1
M10E
29001

D1P
M2C0

D2P
M2C1

D3P
M2C2

POSIZ. INIZIALE
TESTA PORTAM.
WHEEL HEAD
HOME POSI.
POS. RETTIFICA
TESTA PORTAM.
WHEEL HEAD
GRINDING POS.
POS. AVVIAM.
TESTA PORTAM.
WHEEL HEAD
START POSI.

D25P
M2C3

POSIZ. INIZIALE
TESTA PORTAM.
WHEEL HEAD
HOME POSI.

DW25
M3F6

POSIZ. INIZIALE
TESTA PORTAM.
WHEEL HEAD
HOME POSI.
ROTAZIONE
MANDRINO PORTAM.
WHEEL SPINDLE
ROTATE

DW1
M3F7

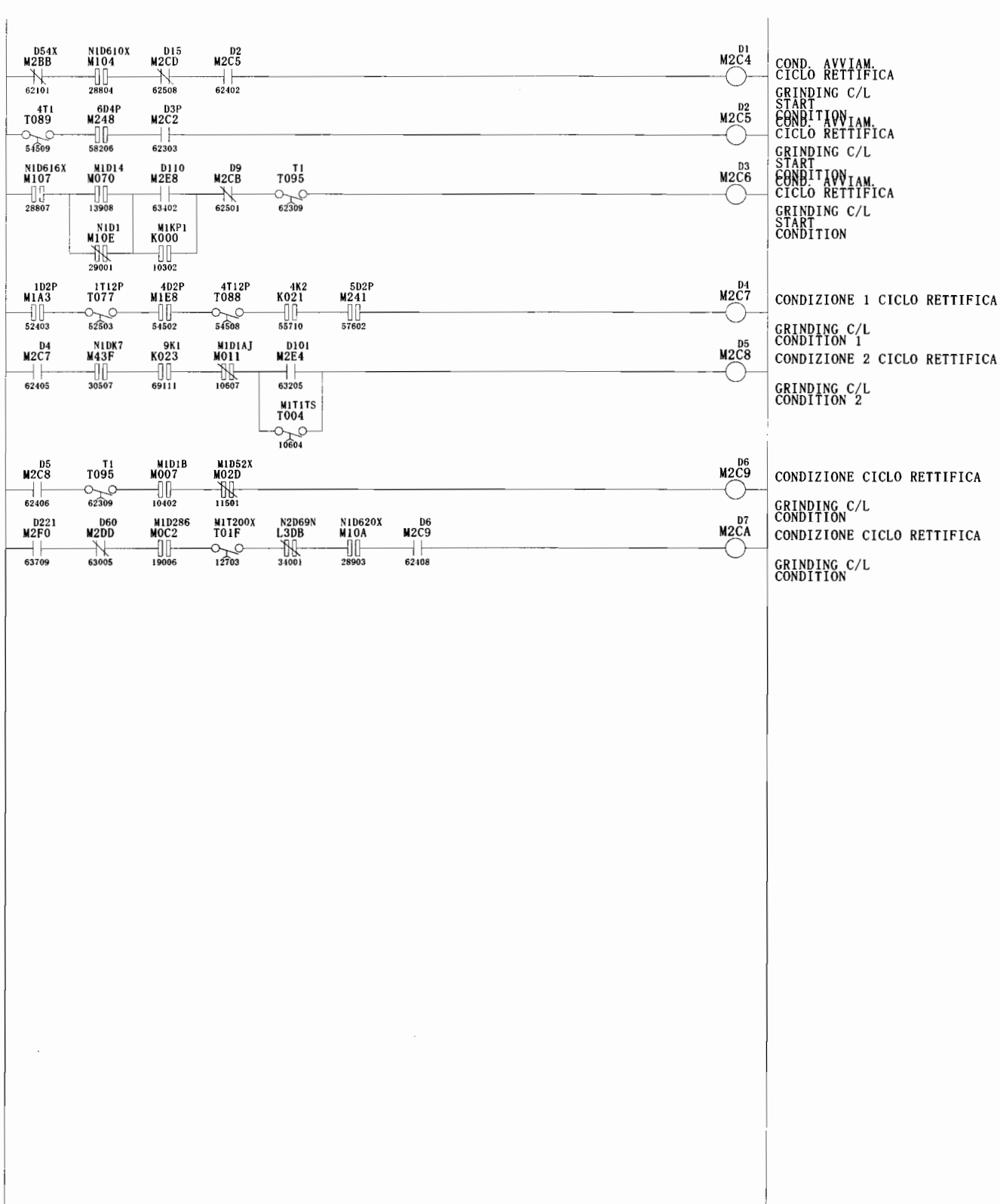
ROTAZIONE
MANDRINO PORTAM.
WHEEL SPINDLE
POTATE

DW2
M3F8

ARRESTO APERTURA LIBERA
SPORT. MANDR. PORTAM.
DOOR OPEN
FREE WHEEL SP STOP

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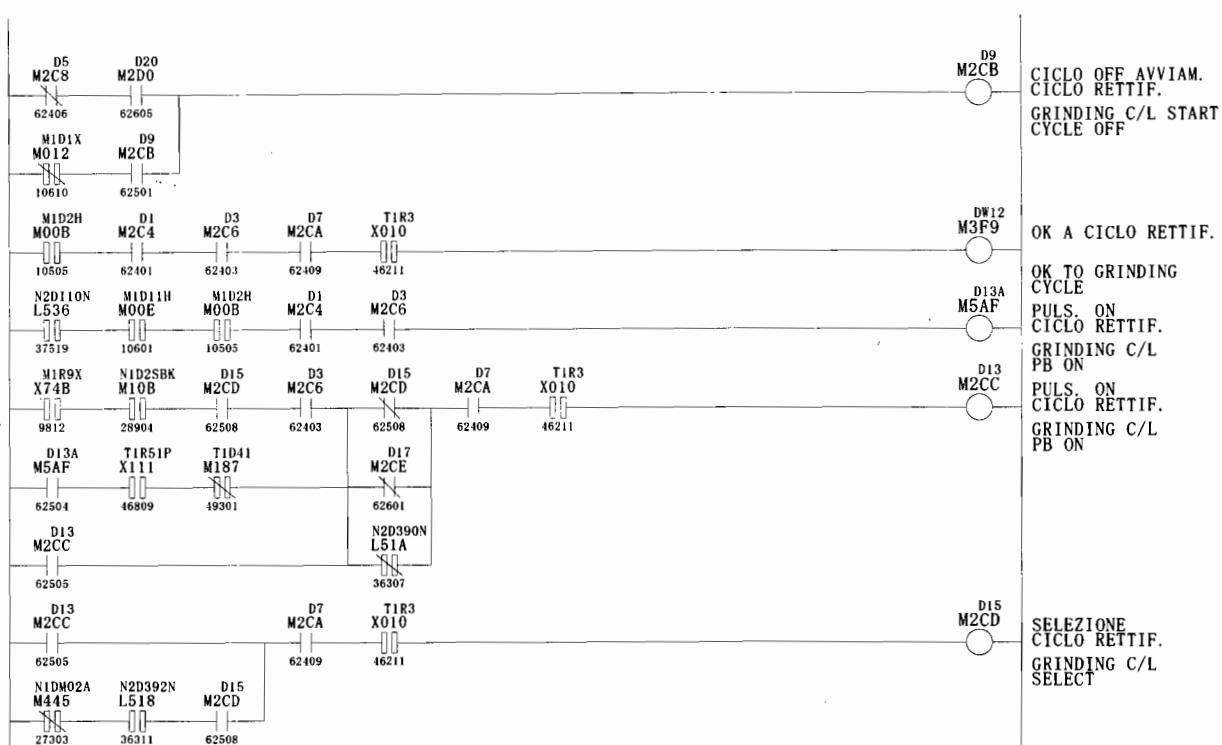
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N1D610X	COND. AVVIO EST. A (ALL' AVVIO)	288	4K2	IMP. CONFERMA INSER. PERNO COMANDO	557
4T1	CONFERMAARR. MANDR. PORTAP.	545	5D2P	SPORTELO CHIUSO	576
6D4P	POSIZ. RETTIFICA TAYOLA (POS. PROCESSO)	582	N1DK7	CAMBIO MOLA POS. MEMORIA COMPLET.	305
N1D616X	COND. AVVIO EST. A (OGNI AVVIO)	288	9K1	IMPOST. COMPLETAM. RIPASSATURA GREZZA	691
M1D14	RISCALDAMENTO COMPLETATO	139	M1D1AJ	REGOLAZIONE	106
N1D1	OFF FINTO	290	M1T1TS	ATTIVAZIONE CICLO PROVA	104
M1KP1	PARAMETRO ICICLO RISC. NON BLOCCO	103	M1D1B	RITORNO	109
ID2P	CENTRO CONTROPUNTA AVANZ.	524	M1D52X	GUASTO (ARRESTO CICLO)	115
1T12P	MANDRINO AGG.	525	M1D286	CAMBIO TUTTI I TIPI ESEGUITO	190
4D2P	AV. CENTROTESTA PORTAP.	545	M1T200X	SELEZ. PEZZO COMPLETA	127
4T12P	LUN. AUTOM. AVANZ.	545	N2D69N	SOVRACORSA (+X)	340
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE

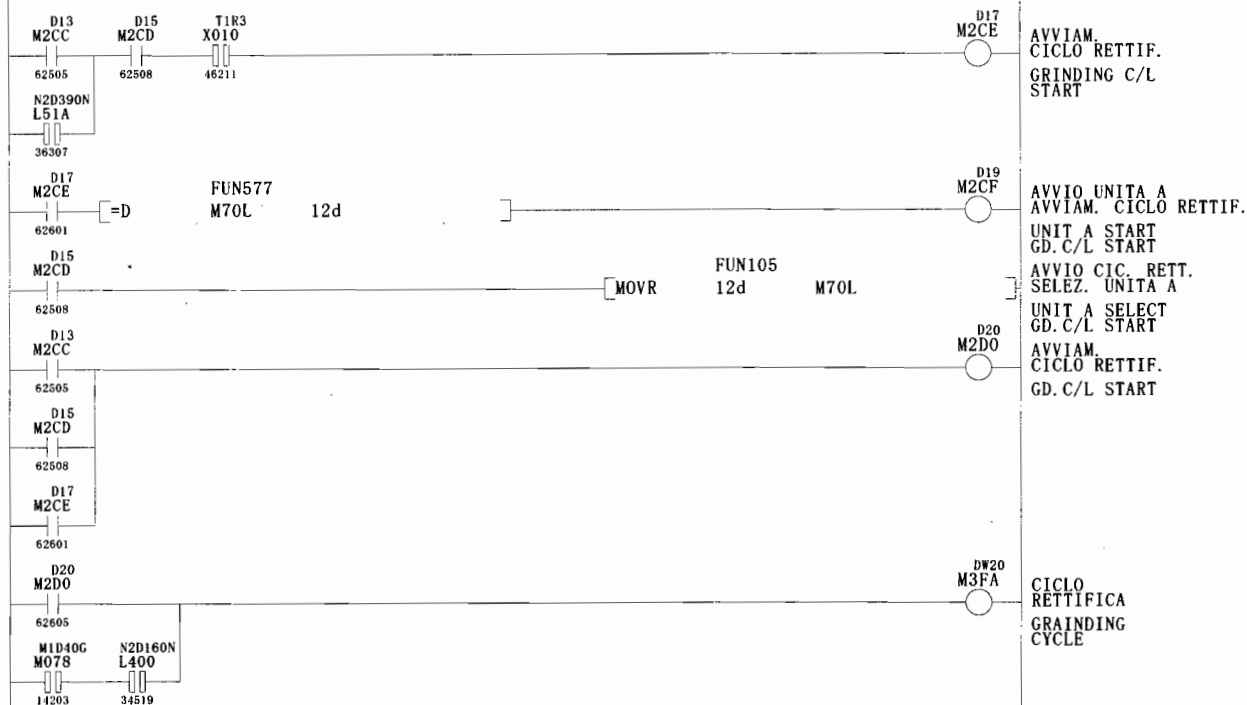
CUTL MARK	FUNCTION	FACE/COIL MARK	FUNCTION	FACE
USER'S NO.	DEVICE CODE	7	23/56	PAGE
	CONTENTS	TESTA PORTAMOLA		624
	DRAWING NO.	35-80777001-1		

NID620X	COND. ESEC. AVVIO EST.	289			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	23/56	PAGE	
	CONTENTS	TESTA PORTAMOLA		624	
	DRAWING NO.	35-80777001-1			

[illegible]

WID1X	RESET ERRORI	106	N2D392N	ESECUZ. AUTOM. UNITA A	363
MID2H	MANUAL (INIZIO EST.)	105			
TIR3	SERVO ONCOMPLETE	462			
N2DI10N	SEGNALE INTERR. 10AVVIO CICLO RETTIF.	375			
MID11H	ATTIVA	106			
MIR9X	AVVIO BLOCCO SINGOLO	98			
NID2SBK	CONTR. DIS. PLS. BLOCCO SING. (UNITA A)	289			
TIR51P	BLOCCAGGIO ANTERIOREDI MACCHINA	468			
TID41	COND. ESEC. APERTURA SPORT.	493			
N2D390N	AVVIO ESEC. AUTOM. UNITA A	363			
NIDM02A	FINE ARRESTOCODICE M UNITA A	273			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	24/56	PAGE	
	CONTENTS	TESTA PORTAMOLA			625
	DRAWING NO.	35-80777001-1			

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WIDM40A	RETTIF. COMPLETATA CODICE N UNITA A	275	MIT12G	TEMP177Z. ANTIRIPETIZIONE PERISTO CICLO DI RISCALD. CONT.	139
NID200	PROGRAMMA CN IN CORSO	310	MIR13X	RESET MEMORIA COMPONENTE	98
WIR1ST	AVVIO CICLO	98	MIR13V	CONFERMA PRESENZA PEZZO	100
WID3AP	POS. PART. SEMIAUTOMACCHINA	131	MIR8X	USO CARICATORE	98
WID2A	SEMIAUTO	104	MIR10W	CONFERMA PRESENZA PEZZO	100
WID4G	COND. ANTIRIPETIZIONE PER AUTO. SING.	136	M2R4	PROGRESSO PRELIEVO	199
WID2G	CICLO AUTOM.	134	WID1W	CONF. PRESENZA PEZZA	130
WIT10G	TEMP177Z. ANTIRIPETIZIONE PERISTO CICLO PROVA CONTES.	138	WID8G	CICLO PROVACNC	138
WID5P	POS. PART. PROVA AUTOM. SING.	131	N2D160N	USCITA DATI 32CICLO RETTIFICA	345
WID6X	PROVA CONT.(CICLO AUTOM. SEGNALE)	107			
WIR10ST	AVVIO CICLO RISCALDAMENTO	99			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	26/56	PAGE	
	CONTENTS	TESTA PORTAMOLA			627
DRAWING NO.					
35-80777001-1					

DRYING NO. OF STUDY:

DRAWING NO. : 35-80777001

OUTPUT: 06/01/25

UPDATE: 05/10/04



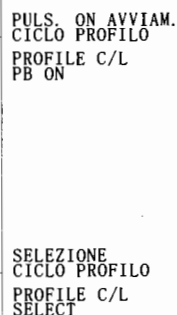
TOYODA MACHINE WORKS, LTD.

DYEING NO. OF STANDARD:

DRAWING NO. : 35-80777001

OUTPUT: 06/01/25

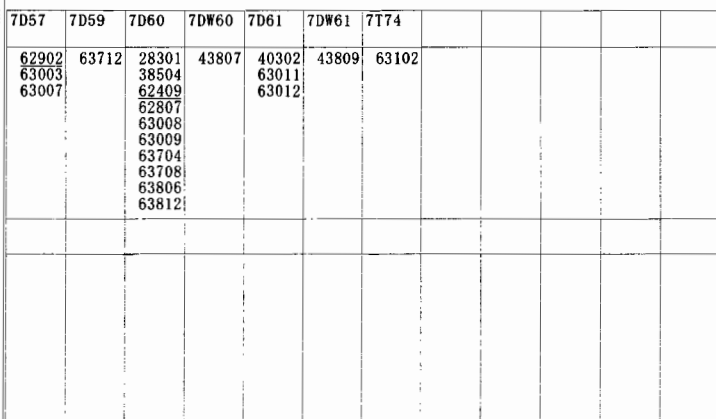
UPDATE: 05/10/04



N2DI64N	SEGNALE INTERR. 64AVVIO CICLO PROFILO	381			
MID11H	ATTIVA	106			
MID2H	MANUAL (INIZIO EST.)	105			
T1R3	SERVO ONCOMPLETE	462			
MIR9X	AVVIO BLOCCO SINGOLO	98			
NID2SBK	CONTR. DIS. PLS. BLOCCO SING. (UNITA A)	289			
N2D390N	AVVIO ESEC. AUTOM. UNITA A	363			
NIDM02A	FINE ARRESTOCODICE M UNITA A	273			
N2D392N	ESECUZ. AUTOM.UNITA A	363			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	28/56	PAGE	
	CONTENTS	TESTA PORTAMCLA			629
	DRAWING NO.	35-80777001-1			

TOYODA MACHINE WORKS. LTD.

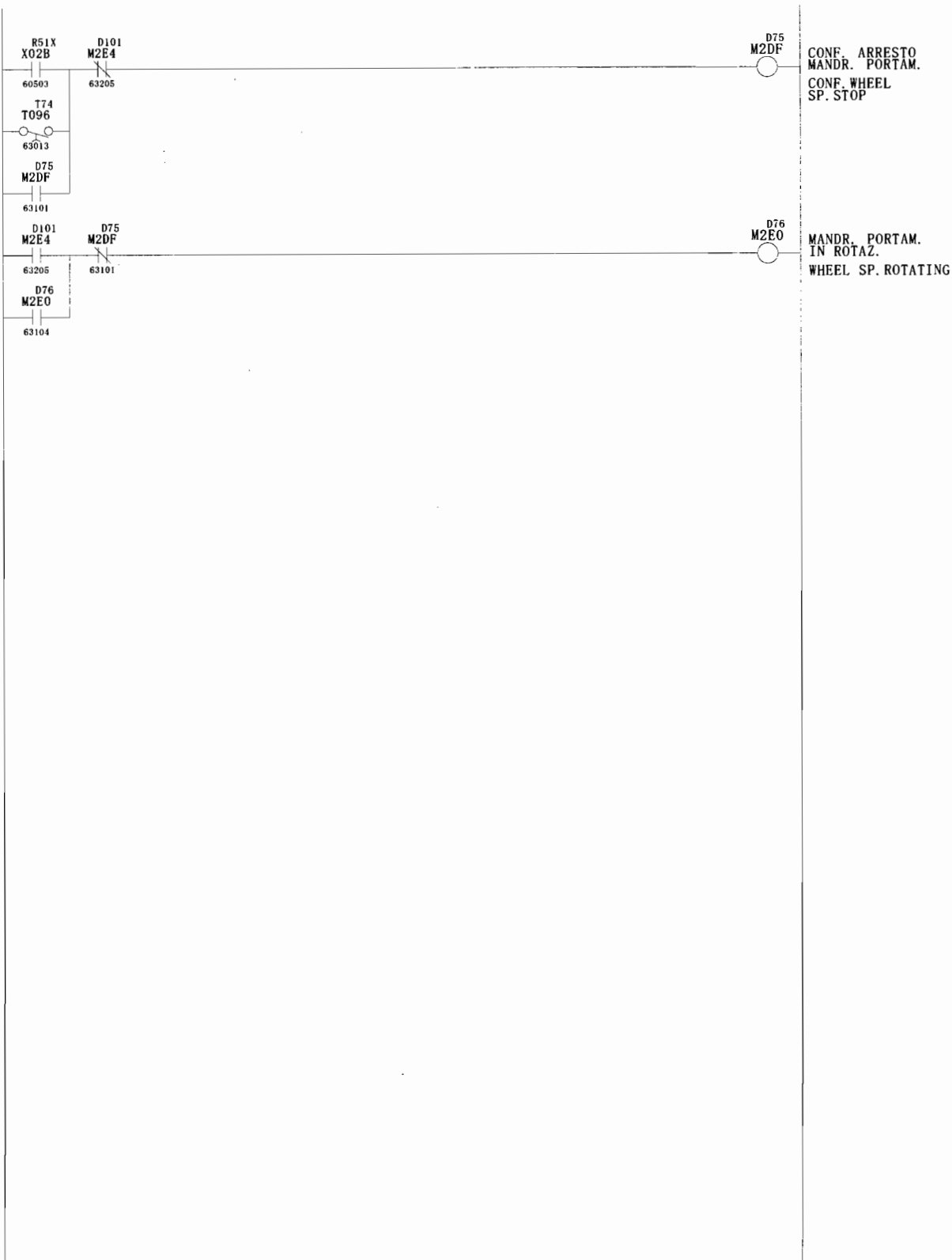
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COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	29/56		PAGE
	CONTENTS	TESTA PORTAMCLA			630
	DRAWING NO.	35-80777001-1			

TOYODA MACHINE WORKS, LTD. HAS THE PROPERTY OF THIS DRAWING AND DESIGN SHOWN IN IT. ANY PART OF THIS DRAWING AND DESIGN SHALL NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR PERMISSION OF TOYODA MACHINE WORKS, LTD.

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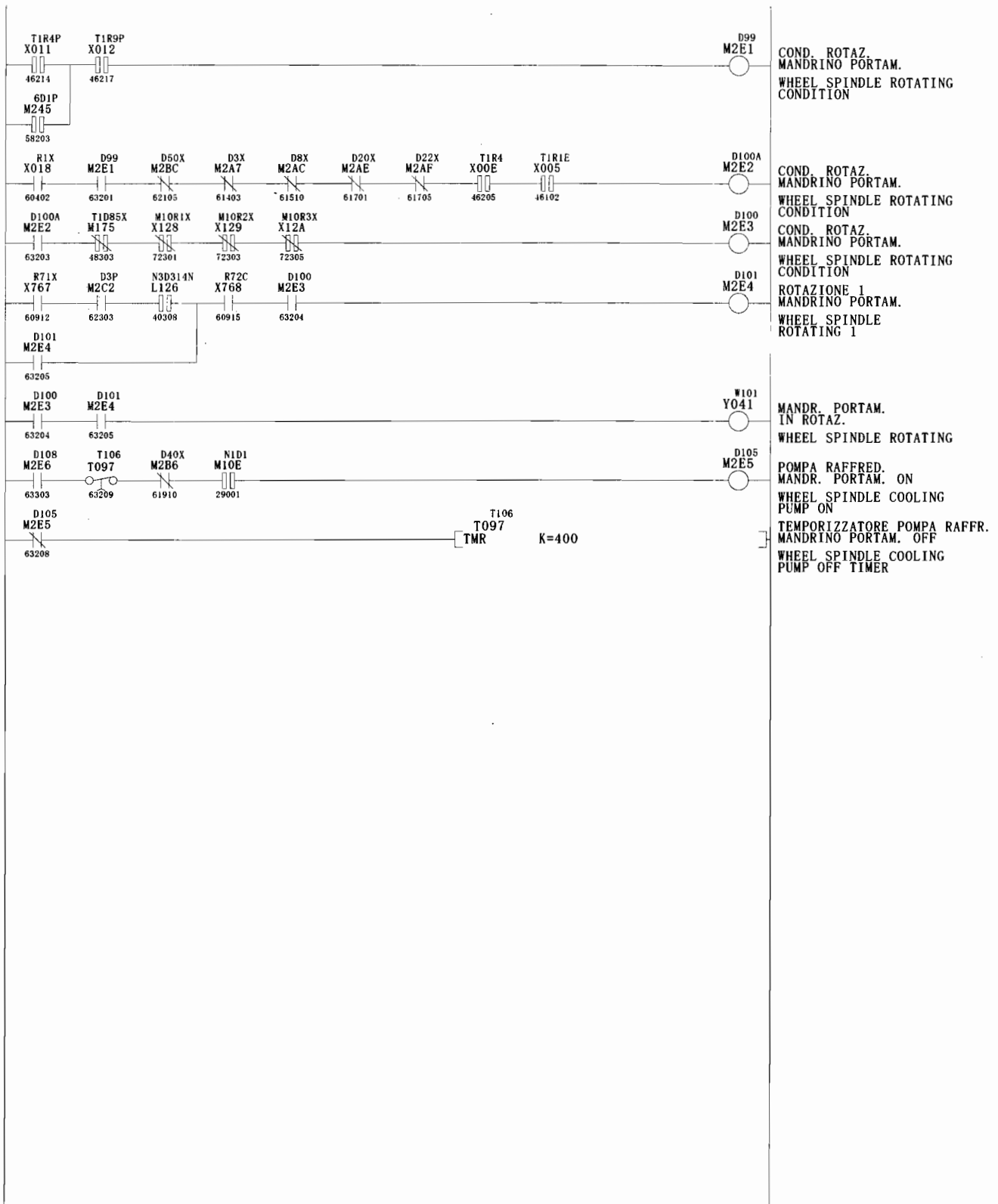


7D75	7D76								
49105	49102								
49401	63105								
51307									
63103									
63104									
63507									

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	30/56		PAGE
	CONTENTS		TESTA PORTAMCLA		631
	DRAWING NO.		35-80777001-1		

TOYODA MACHINE WORKS, LTD. HAS THE PROPERTY OF THIS DRAWING AND DESIGN SHOWN IN IT. ANY PART OF THIS DRAWING AND DESIGN SHALL NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR PERMISSION OF TOYODA MACHINE WORKS, LTD.

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7D99	7D100A	7D100	7D101	7D101	7D101	7W101	7D105	7T106			
63203	63204	63205 63207	11801 51301 51308 61201 61401 61505 61506 62203 62309 62312	62406 63013 63101 63104 63206 63207 63306 63307 63402 63507	63601 63603 63605 63901 63902 68010 70708	64202	63209 63302	63208 63309 63402			

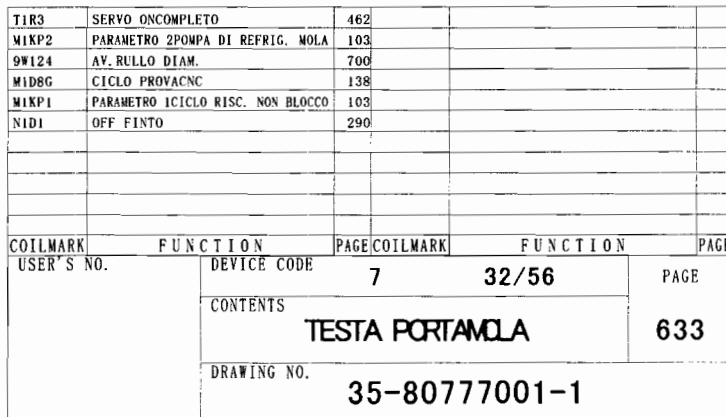
TIR4P	BLOCCO SPORTELLOANTERIORE	462			
TIR9P	BLOCCO SPORTELLOSIN. BANCALE	462			
6D1P	POS. SOST. MOLA TAVOLAPOS. MACCHINA N.1	582			
TIR4	POMPE AVVIAM. 1	462			
TIR1E	ARRESTEMERGENZA (PULS.)	461			
TID85X	SPURGO ARIAMANDR. PORTAM.	483			
M10R1X	LATERALE DELLA MOLA CH.	723			
M10R2X	CINGHIA MANDR. PORTAM. (S) CH.	723			
M10R3X	CINGHIA MANDR. PORTAM. (D) CH.	723			
N3D314N	IMMISS. 50 SCAN. MICRO UNITA ENPOS. DATI COMP.	403			
N1D1	OFF FINTO	290			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	31/56		PAGE
	CONTENTS	TESTA PORTAMOLA			632
	DRAWING NO.	35-80777001-1			

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DRAWING NO. : 35-80777001

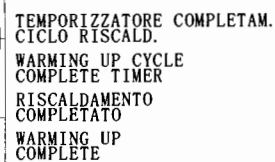
OUTPUT: 06/01/25

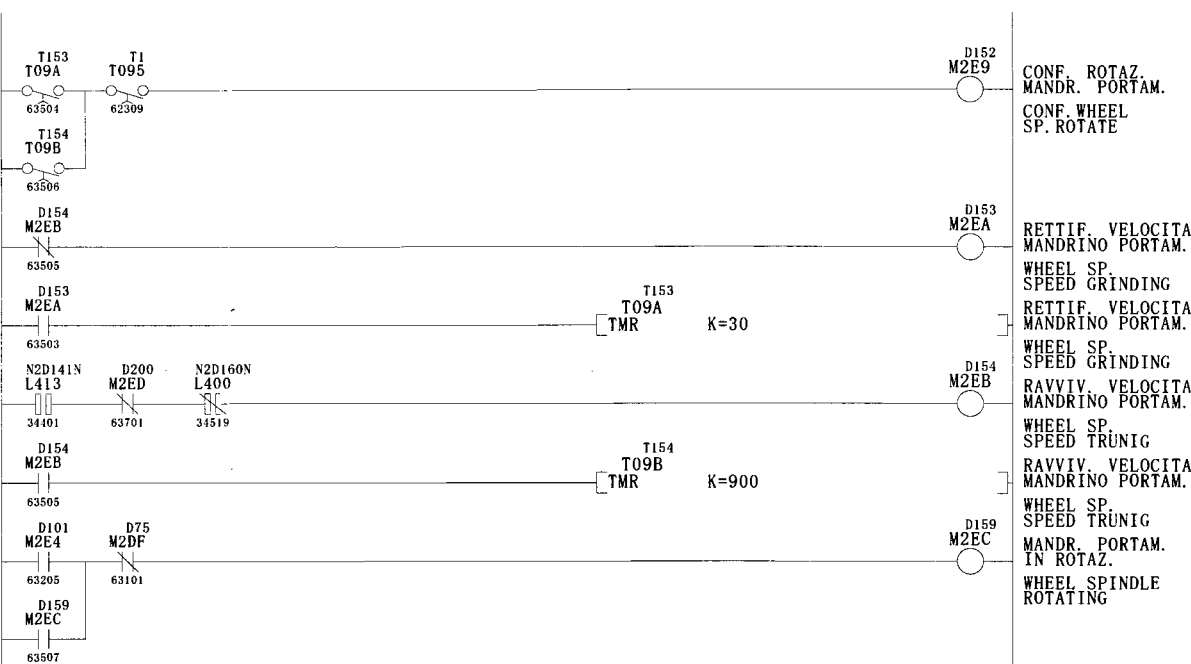
UPDATE: 05/10/04



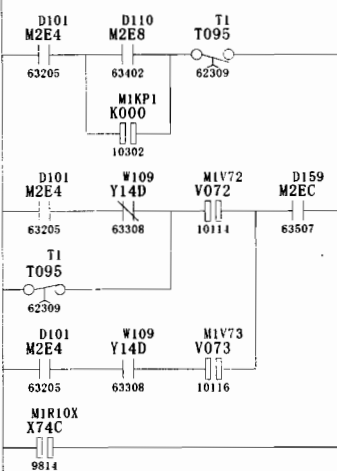
TOYODA MACHINE WORKS, LTD.

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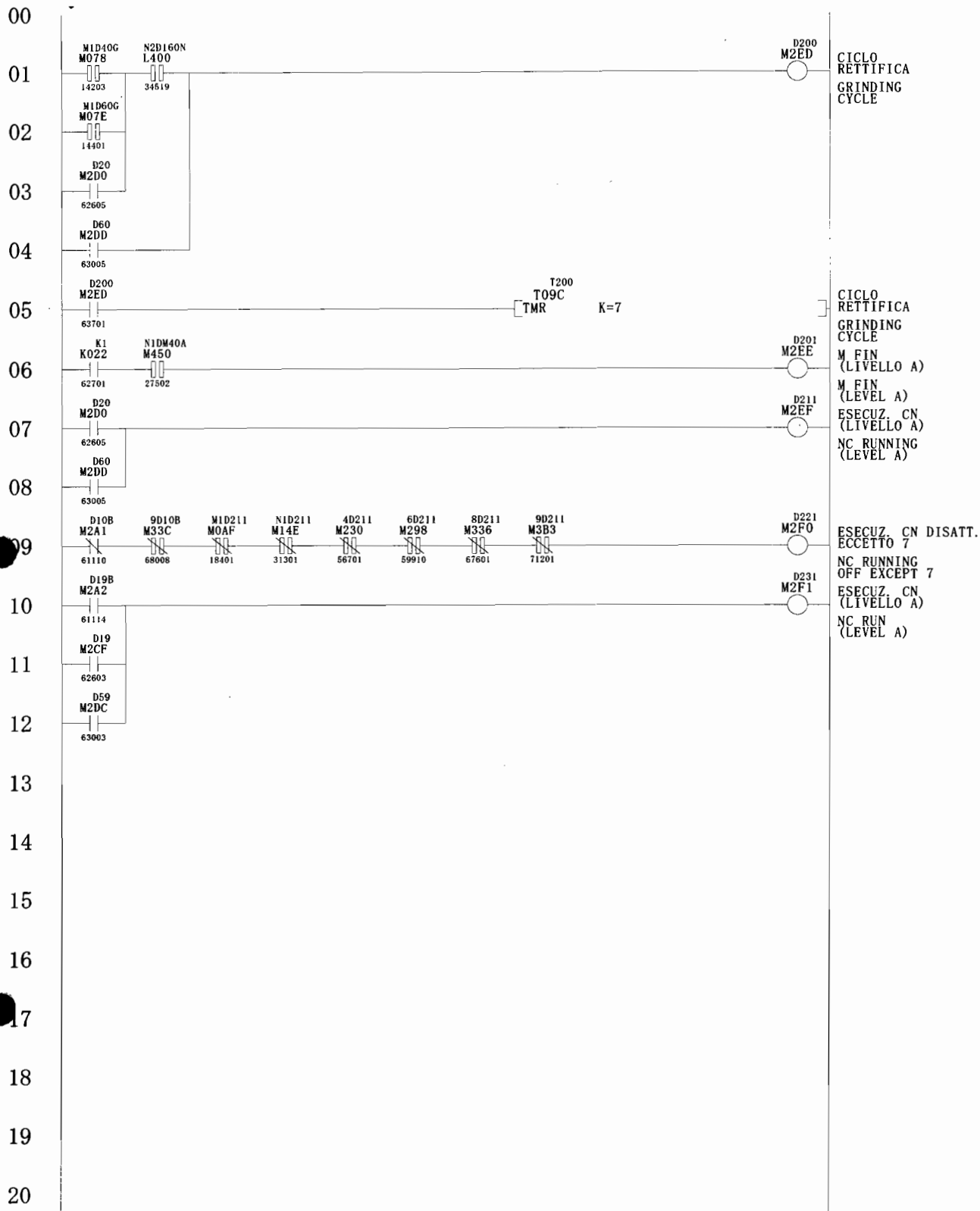
W160
Y708

MANDR. PORTAM.
IN ROTAZ.
WHEEL SPINDLE
ROTATING

[illegible]

MKP1	PARAMETRO ICICLO RISC. NON BLOCCO	103			
MIV72	OROLOGIO1 SECONDO	101			
MIV73	OROLOGIO2 SECONDI	101			
MIR10X	PROVA LAMPADA	98			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	35/56	PAGE	
	CONTENTS	TESTA PORTAMOLA			636
	DRAWING NO.	35-80777001-1			

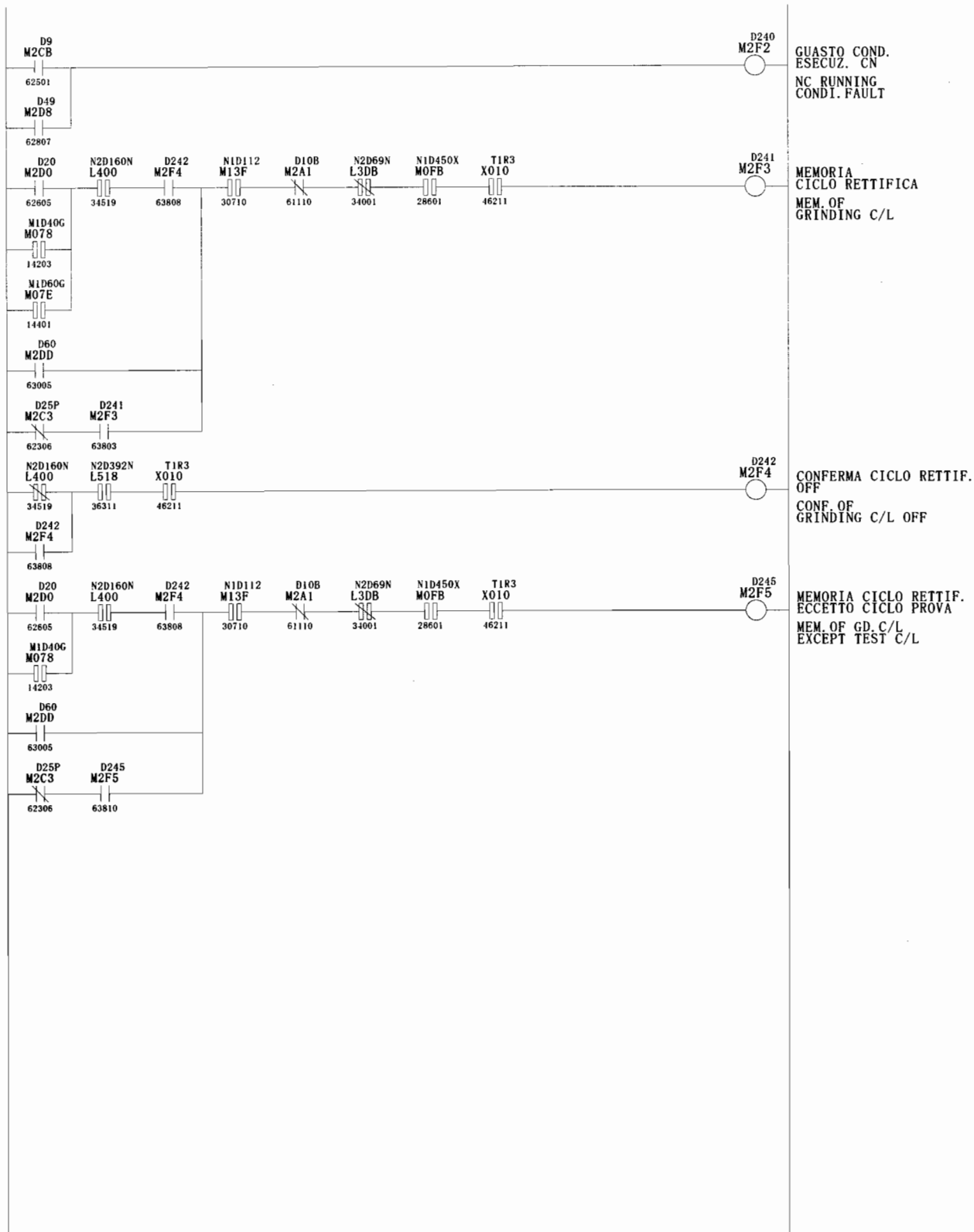
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7D200	7T200	7D201	7D211	7D221	7D231						
12305	41609	31212	18503	62409	31411						
12305	41615		30706	62806							
41615			31308								
52608			51301								
55409			56801								
57006			60001								
63505			67701								
63705			71209								

M1D40G	CICLO NC	142			
N2D160N	USCITA DATI 32CICLO RETTIFICA	345			
M1D60G	CICLO PROVA CN	144			
N1D40A	RETTIF. COMPLETATA CODICE M UNITA A	275			
9D10B	RITORNO RIPASSATORE	680			
M1D211	ESECUZIONE CN ATTORNO M1 (LIVELLO A)	184			
N1D211	CN IN CORSO ATTORNO N1 (LIV. A)	313			
4D211	ESECUZIONE CN ATTORNO 4 (LIVELLO A)	567			
6D211	ESECUZIONE CN ATTORNO 6 (LIVELLO A)	599			
8D211	ESECUZ. CN (LIVELLO A)	676			
9D211	ESECUZ. CN (LIVELLO A)	712			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	36/56	PAGE	
	CONTENTS	TESTA PORTAMOLA			637
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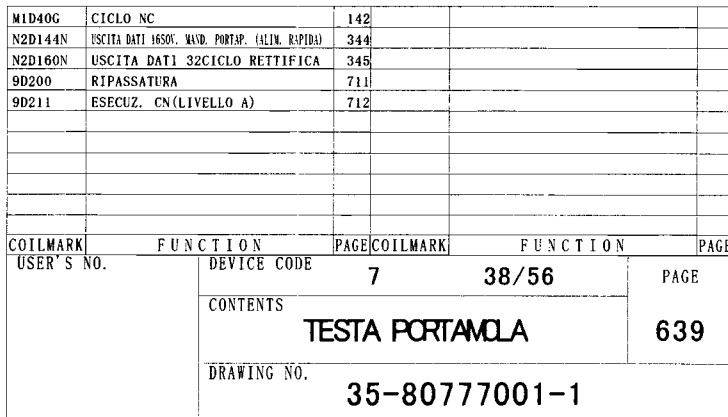
N2D160N	USCITA DATI 32CICLO RETTIFICA	345
N1D112	PROGRAMMA UNITAA IN CORSO	307
N2D69N	SOVRACORSA+ (X)	340
N1D450X	NORMALE CN (APPR. CICLO RIT.)	286
T1R3	SERVO ONCOMPLETEO	462
M1D40G	CICLO NC	142
M1D60G	CICLO PROVA CN	144
N2D392N	ESECUZ. AUTOM.UNITA A	363
COILMARK	FUNCTION	PAGE COILMARK FUNCTION PAGE
USER'S NO.	DEVICE CODE 7	37/56
	CONTENTS TESTA PORTAMOLA	PAGE 638
	DRAWING NO. 35-80777001-1	

DRAWING NO. OF STANDARD:

DRAWING NO. : 35-80777001

OUTPUT: 06/01/25

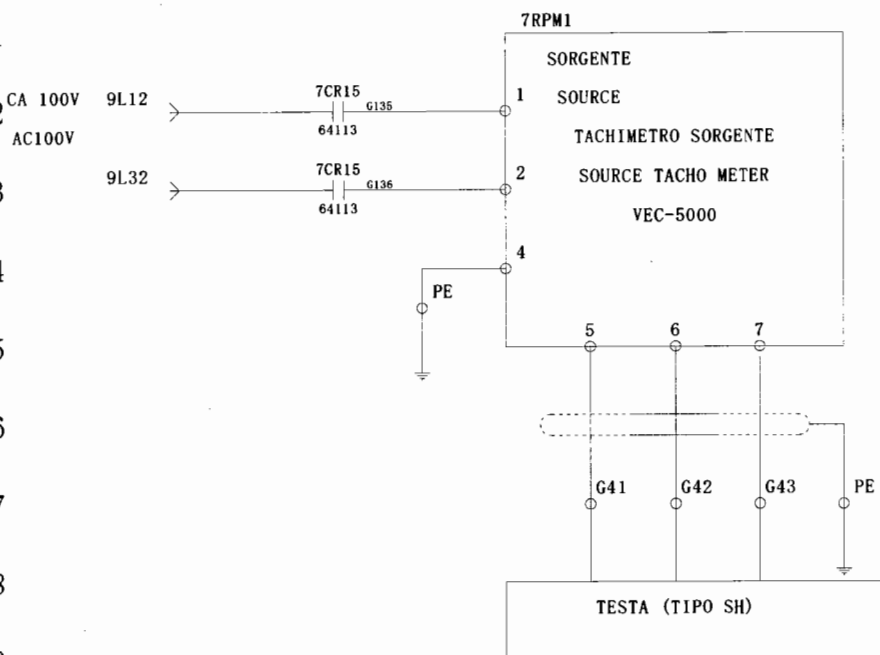
UPDATE: 05/10/04



TOYODA MACHINE WORKS. LTD.

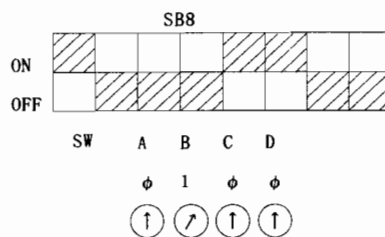
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DATI DI IMPOSTAZIONE 7SE1

SETTING DATA



COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	39/56	PAGE	
	CONTENTS	TESTA PORTAMOLA			PAGE
	DRAWING NO.	35-80777001-1			640

00 E24V52 CC 24 V (DC24V)

01 PO PRINCIPALE

02 MAIN OP

03 128URT3P W160 Y708 63601 Y708 7PL1 VERDE MANDR. PORTAM. IN ROTAZ. WHEEL SPINDLE ROTATING

04

05

06 CC 24 V (DC24V)

07 S24V42

08 ARMADIO DI COMANDO

09 CONTROL BOX

10 016 W107 Y040 63301 Y040 7MB3 7MS3 E2 E1 NON UTILIZZATO NOT USE

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13 W22 Y042 62714 Y042 7CR15 7RECCR15 TACHIMETRO ON TACHO METER ON

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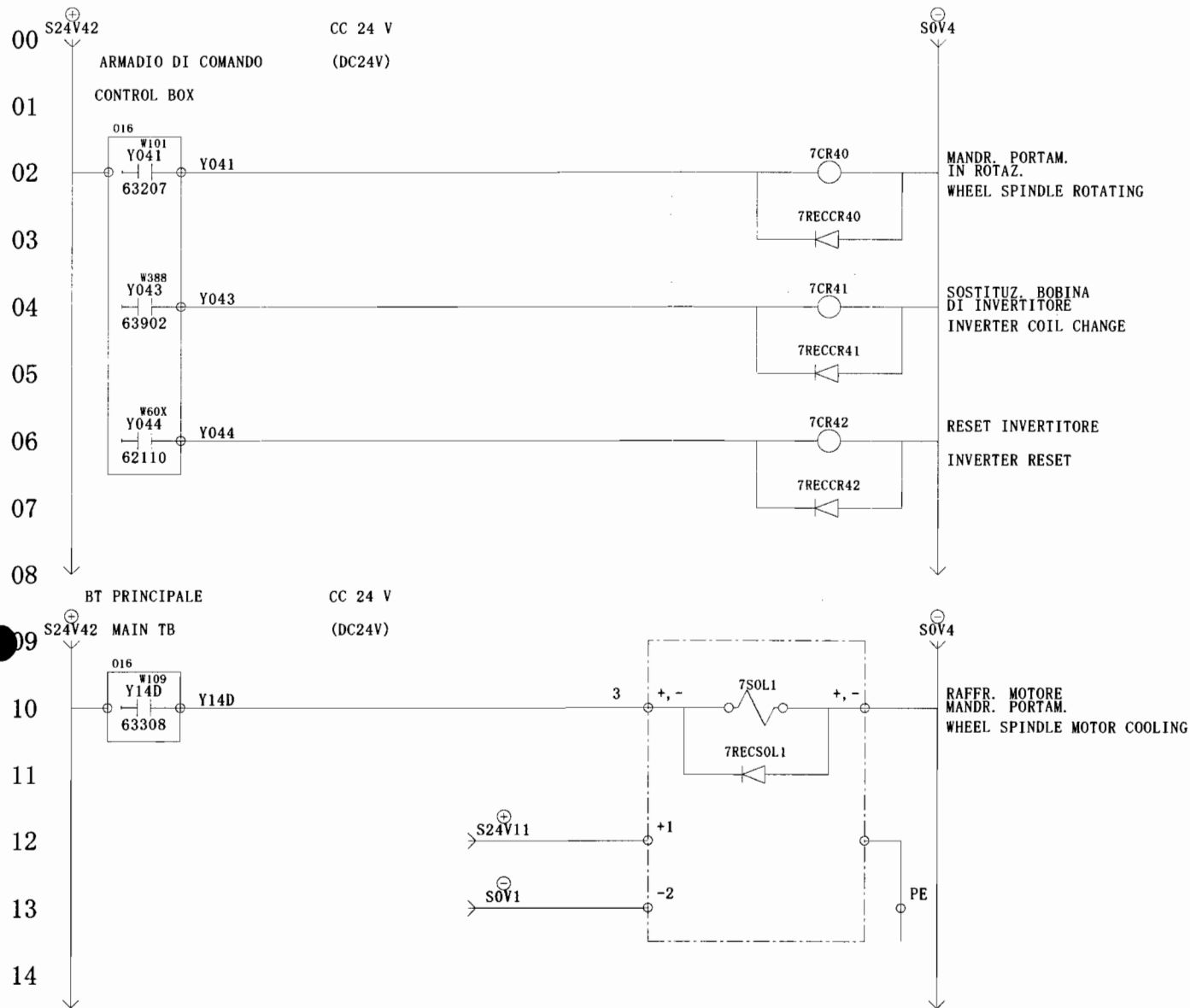
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DRIVING IN OF STANDARD:

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TENSIONE NOMINALE TRIFASE CA 380 V
RATED VOLTAGE THREE PHASE AC380V

TYPE GV3-M80

TIPO GV3-M80

CORRENTE DI CARICO NOMINALE 80 A

VOLUME INTERRUUTTORE AUTOMATICO NOMINALE 35 KA

Rated-Load Current 80 A

Rated Circuit Breaker Volume 35 KA

(56~80A)

7MB1

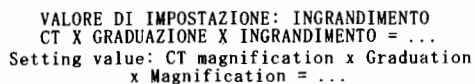
3P80A

E24V41

G11

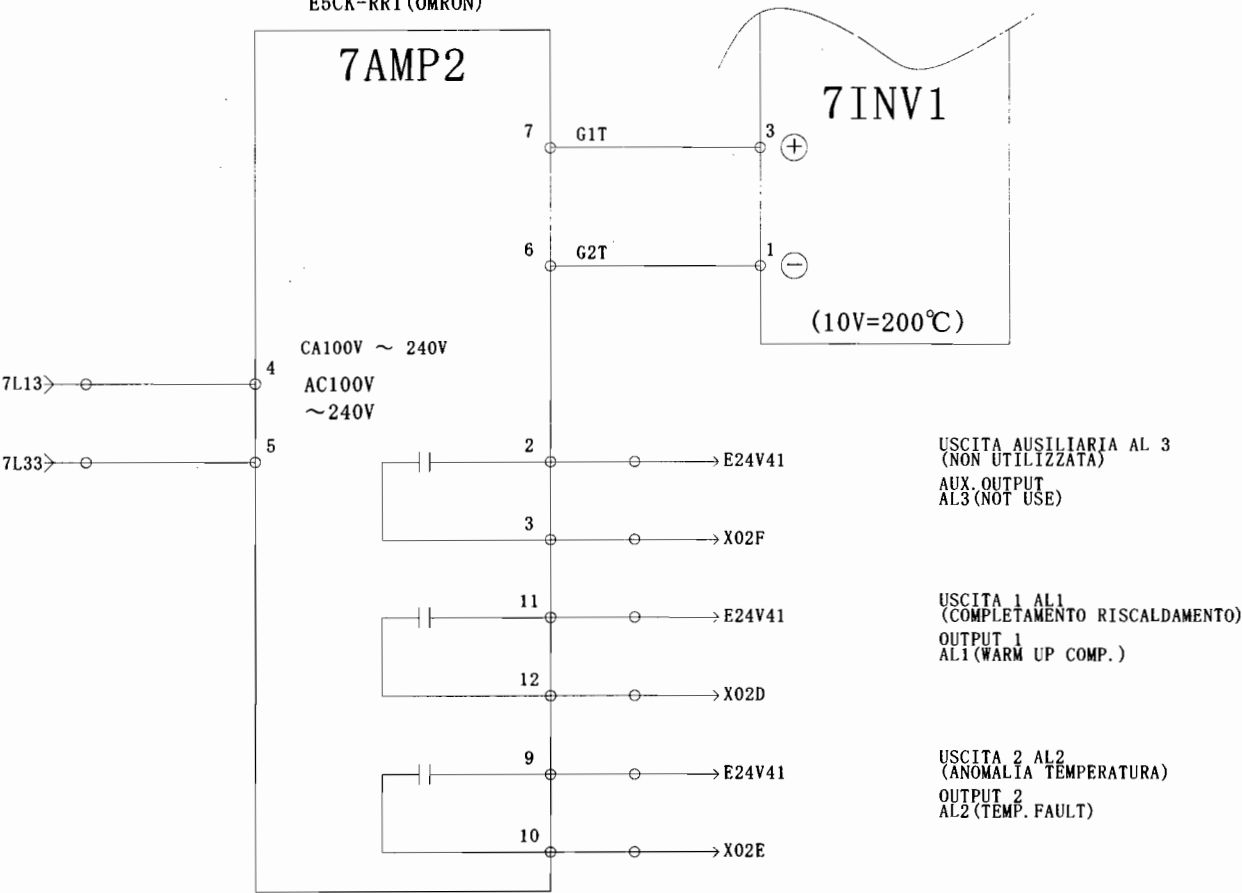
2L15
2L25
2L35

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	42/56		PAGE
	CONTENTS	TESTA PORTAMCLA			643
	DRAWING NO.	35-80777001-1			

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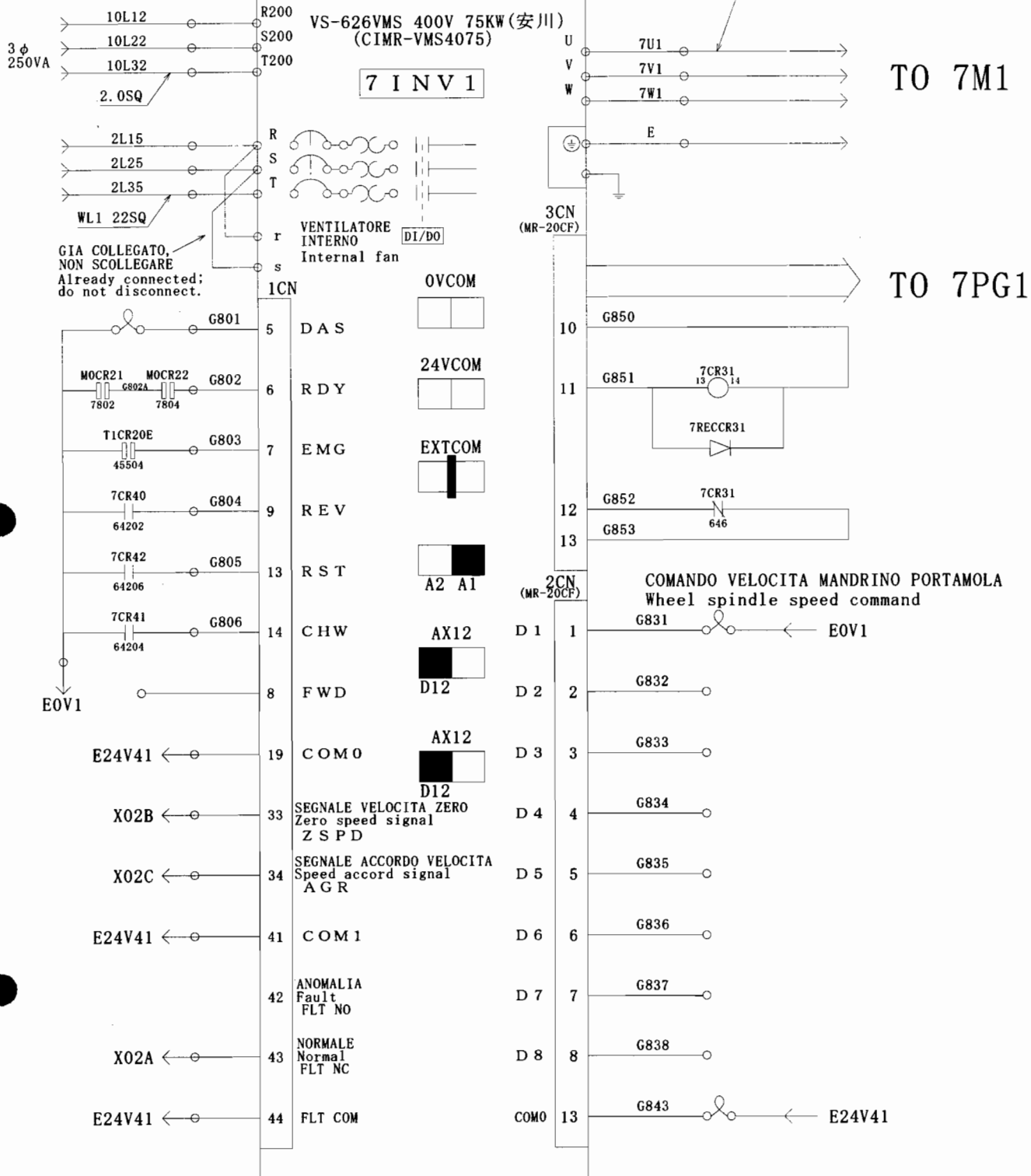
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TEMPERATURA MOTORE MANDRINO PORTAMOLA
CONTROLLORE TEMPERATURA
WHEEL SPINDLE MORTER TEMP.
TEMP. CONTROLLER
E5CK-RR1(OMRON)



USER'S NO.	DEVICE CODE	7 44/56	PAGE 645
	CONTENTS	TESTA PORTAMOLA	
	DRAWING NO.	35-80777001-1	

INVERTITORE MOTORE MANDRINO PORTAMOLA WHEEL SPINDLE MOTOR INVERTER



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	CONTENTS TESTA PORTAMOLA	646
DRAWING NO.	35-80777001-1	

CAVO COMPLESSO PER PARTE MOBILE
(CHUGOKUDENSEN), CAVO
TC-SKMUCT-SS
(30SQ×3) + (22SQ×1)
+ (SCHERMATO 1,25 SQ A TRE ELEMENTI X 2)

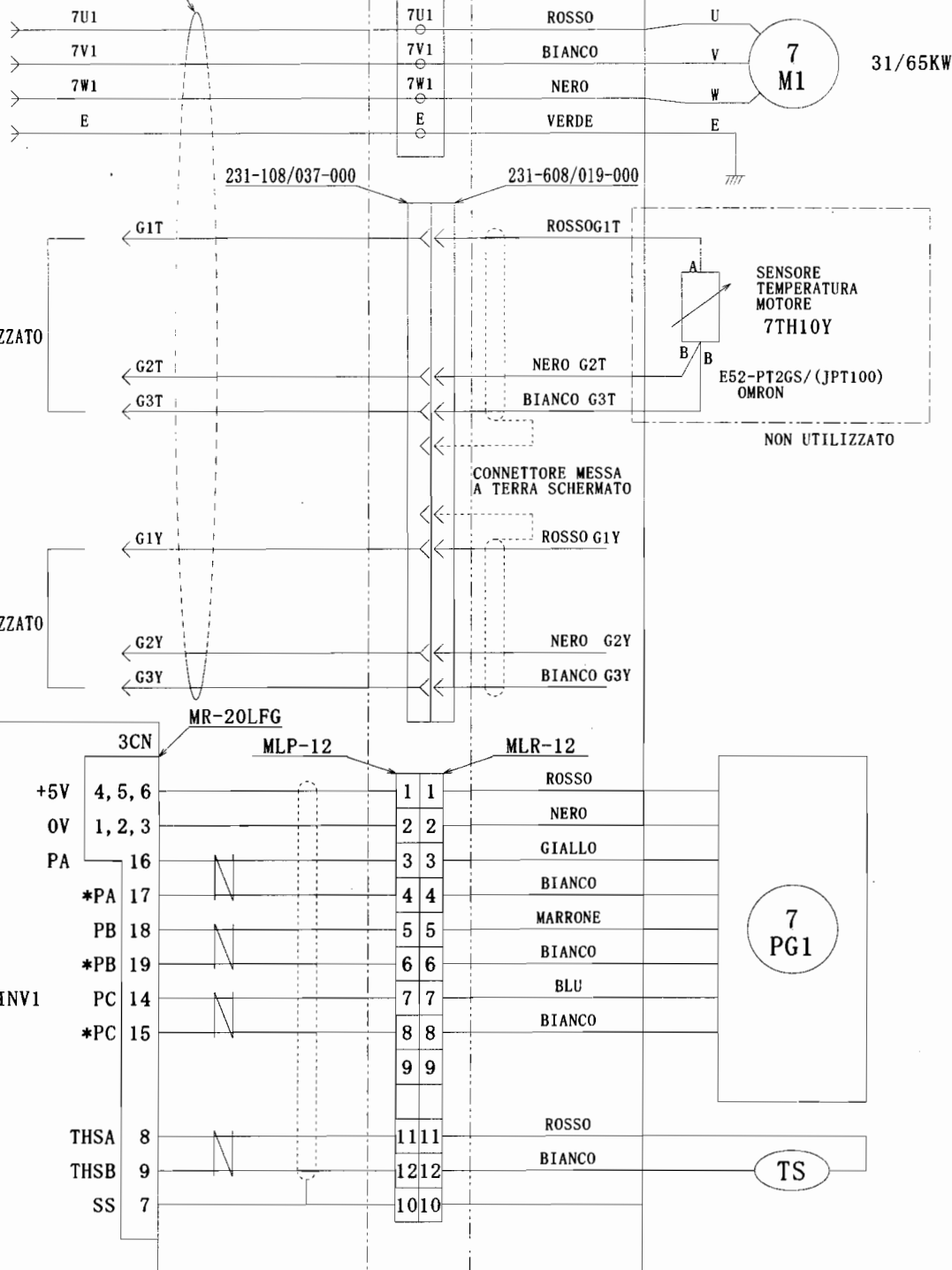
SCATOLA DI COLLEGAMENTO MANDRINO PORTAMOLA

USAIIM-3A-TX110E

BLOCCO DI ALIMENTAZIONE
1492-100X

MOTORE MANDRINO PORTAMOLA
(YASUKAWA)

31/65KW



USER'S NO.	DEVICE CODE	7	46/56	PAGE
	CONTENTS	TESTA PORTAMOLA		647
	DRAWING NO.	35-80777001-1		

Complex cable for moving part
TC-SKMUCT-SS (CHUGOKUDENSEN)
(30SQ×3) + (22SQ×1)
+1.25 SQ. 3-element shielded cable x 2

Wheel spindle joint box

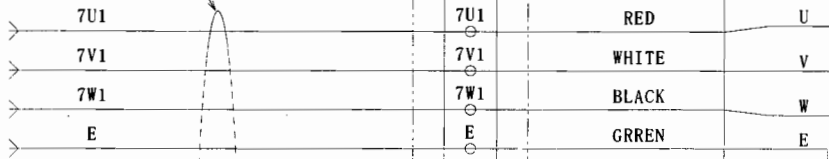
POWER BLOCK
1492-100X

USAIIM-3A-TX110E

WHEEL SPINDLE MOTOR
(YASUKAWA)

31/65KW

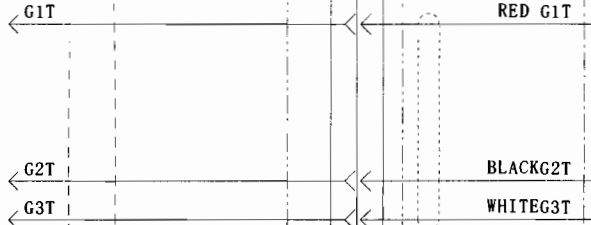
7
M1



231-108/037-000

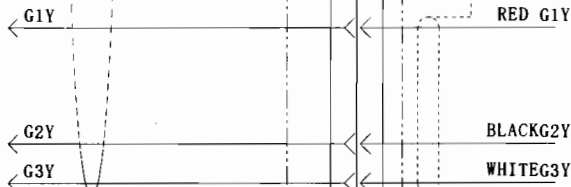
231-608/019-000

NOT USE



NOT USE

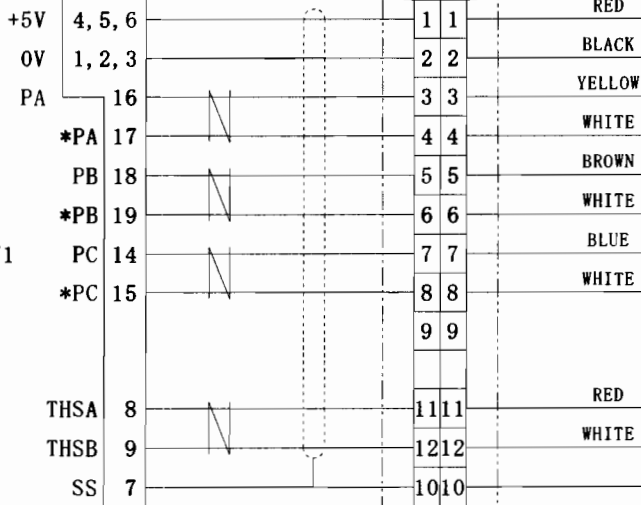
NOT USE



MR-20LFG

MLP-12

MLR-12



7
PG1

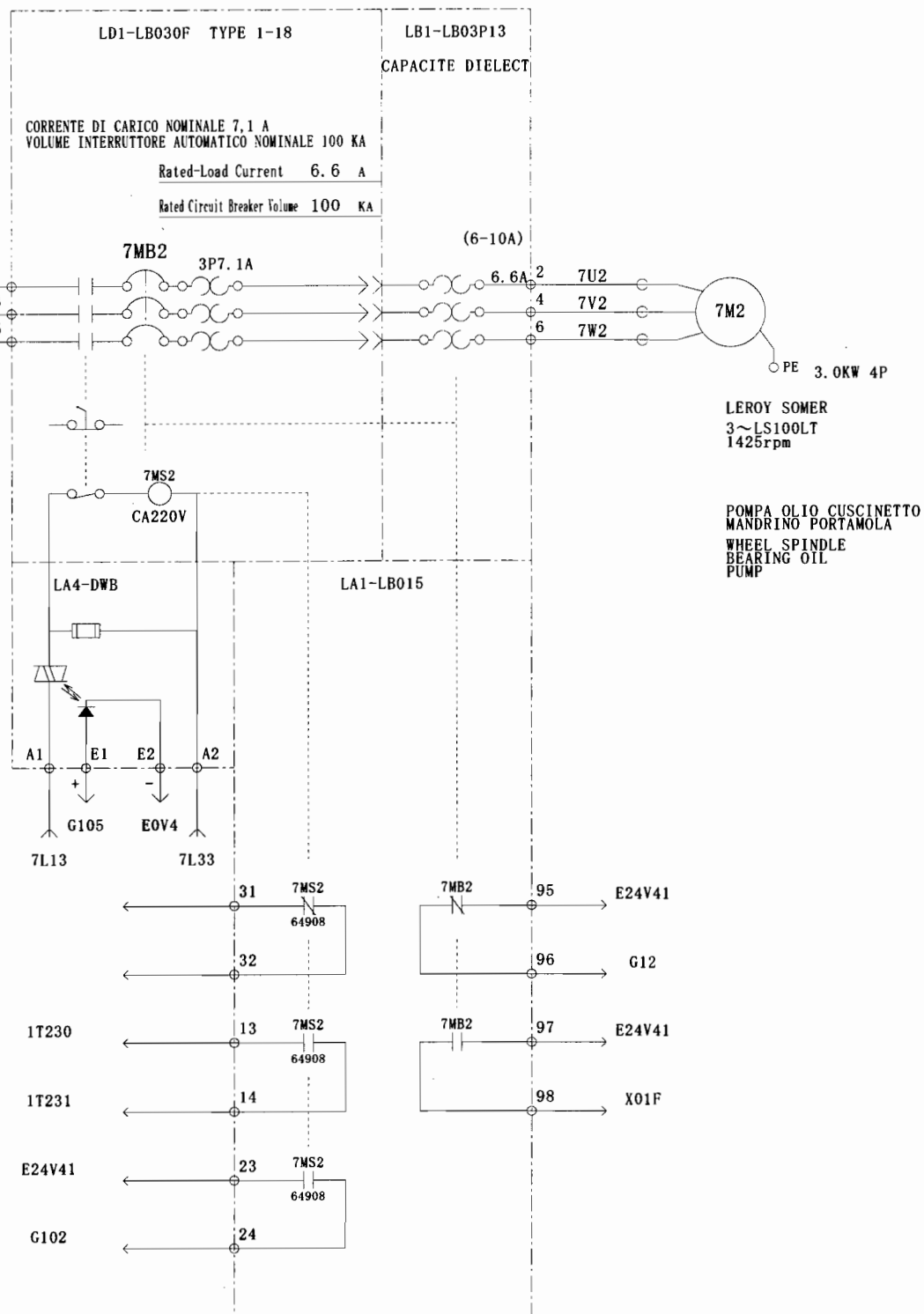
TS

USER'S NO.	DEVICE CODE	7	47/56	PAGE
	CONTENTS	TESTA PORTAMOLA		648
	DRAWING NO.	35-80777001-1		

Figure 1 illustrates a quantum circuit for a 20-qubit system. The vertical axis represents the qubits, labeled from 00 to 20. The horizontal axis represents time steps, labeled from 00 to 20. The circuit is composed of several stages:
 - **Initialization:** At time step 00, qubits 00, 01, and 02 are initialized to state 1.
 - **Entangling gates:** A series of CNOT gates are applied between qubits 00 and 01, 01 and 02, and 02 and 03, etc., up to qubit 19.
 - **Measurement:** The final state of qubits 00, 01, and 02 is measured at time step 20.

CA 380 V
(CA380V)

TENSIONE NOMINALE TRIFASE CA 380 V
RATED VOLTAGE THREE PHASE AC380V

[illegible]

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	7	48/56	PAGE	
	CONTENTS	TESTA PORTAMOLA			649
	DRAWING NO.	35-80777001-1			

ELENCO IMPOSTAZIONI INVERTITORE MANDRINO PORTAMOLA (1/2)

YASUKAWA VS-626VMS

TIPO DI INVERTITORE

CIMR-VMS4075

TIPO DI MOTORE

USA1M-3A-TX110E

NUMERO COSTANTE	DESCRIZIONE	UNITA	IMPOSTAZIONE	NUMERO COSTANTE	DESCRIZIONE	UNITA	IMPOSTAZIONE
C1-01	AUMENTO PROPORZIONE CONTROLLO VELOCITA (H)	%/Hz	100	C1-26	IMPOSTAZIONE VELOCITA NOMINALE	r/min	11000
C1-02	COSTANTE TEMPO INTEGRAZIONE CONTROLLO VELOCITA (H)	ms	50	C1-27	RAPPORTO DI TRASMISSIONE 1 (H)		1.0000
C1-03	AUMENTO PROPORZIONE CONTROLLO VELOCITA (M,L)	%/Hz	60	C1-28	RAPPORTO DI TRASMISSIONE 2 (M)		1.0000
C1-04	COSTANTE TEMPO INTEGRAZIONE CONTROLLO VELOCITA (M,L)	ms	300	C1-29	RAPPORTO DI TRASMISSIONE 3 (L)		1.0000
C1-05	MODALITA SERVO AUMENTO PROPORZIONE CONTROLLO VELOCITA (H)	%/Hz	30	C1-30	LIVELLO LIMITE INFERIORE FLUSSO MAGNETICO MOTORE	%	100
C1-06	MODALITA SERVO COSTANTE TEMPO INTEGRAZIONE CONTROLLO VELOCITA (H)	ms	100	C1-31	LIVELLO FLUSSO MAGNETICO IN MODALITA SERVO (H)	%	100
C1-07	MODALITA SERVO AUMENTO PROPORZIONE CONTROLLO VELOCITA (M,L)	%/Hz	60	C1-32	RAPPORTO VELOCITA BASE IN MODALITA SERVO (H)		1.00
C1-08	MODALITA SERVO COSTANTE TEMPO INTEGRAZIONE CONTROLLO VELOCITA (M,L)	ms	100	C1-33	LIVELLO FLUSSO MAGNETICO IN MODALITA SERVO (M, L)	%	100
C1-09	COSTANTE TEMPO FILTRO COMANDO COPPIA	ms	3.0	C1-34	RAPPORTO VELOCITA BASE IN MODALITA SERVO (M, L)		1.00
C1-10	TEMPO AVVIO MORBIDO	s	120.0	C1-35	TEMPO FRENATURA VELOCITA ZERO	s	0
C1-11	VALORE DI REGOLAZIONE OFFSET COMANDO VELOCITA		-	C1-36	SEGNALE DI SELEZIONE 1	HEX1	0000 1000
C1-12	VALORE REGOLAZIONE VELOCITA MOTORE		1.0000	C1-37	SEGNALE DI SELEZIONE 2	HEX1	1100 0100
C1-13	OFFSET POLO MAGNETICO		1404	C1-38	SEGNALE DI SELEZIONE 3	HEX1	0000 0000
C1-14	VALORE DI REGOLAZIONE COMANDO COPPIA		1.000	C1-39	SEGNALE DI SELEZIONE 4	HEX1	0000 0000
C1-15	LIMITE DI VELOCITA	%	000	C1-40	SEGNALE DI SELEZIONE 5	HEX1	0000 0000
C1-16	VALORE DI REGOLAZIONE SEGNALE CONTROLLO VELOCITA		1.00	C1-41	IMPOSTAZIONE COMANDO VELOCITA INTERNA 1	%	0.00
C1-17	VALORE DI REGOLAZIONE SEGNALE MISURATORE RAPPORTO DI CARICO		1.00	C1-42	IMPOSTAZIONE COMANDO VELOCITA INTERNA 2	%	0.00
C1-18	MISURATORE RAPPORTO DI CARICO IN SCALA NATURALE	%	164	C1-43	IMPOSTAZIONE COMANDO VELOCITA INTERNA 3	%	0.00
C1-19	LIVELLO RILEVAMENTO VELOCITA ZERO	r/min	30	C1-44	IMPOSTAZIONE COMANDO VELOCITA INTERNA 4	%	0.00
C1-20	LARGHEZZA RILEVAMENTO SEGNALE CONSISTENZA VELOCITA	%	15	C1-45	IMPOSTAZIONE COMANDO VELOCITA INTERNA 5	%	0.00
C1-21	LIVELLO SEGNALE RILEVAMENTO VELOCITA	%	31	C1-46	IMPOSTAZIONE COMANDO VELOCITA INTERNA 6	%	0.00
C1-22	LARGHEZZA RILEVAMENTO SEGNALE RILEVAMENTO VELOCITA	%	1.00	C1-47	IMPOSTAZIONE COMANDO VELOCITA INTERNA 7	%	0.00
C1-23	LIVELLO AZIONE SEGNALE RILEVAMENTO COPPIA	%	10	C1-48	IMPOSTAZIONE COMANDO VELOCITA INTERNA 8	%	0.00
C1-24	LIVELLO LIMITE COPPIA FUNZIONAMENTO ESTERNO	%	10				
C1-25	SELEZIONE CODICE MOTORE	HEX1	E0				

NOTE

"0" NEI SEGNALE DI SELEZIONE (C1-36 A 39) INDICA "I" E "1" INDICA "1"
IL VALORE DI IMPOSTAZIONE NEL RIQUADRO CON LA BORDATURA IN GRASSETTO
INDICA UN VALORE DIVERSO DALLE IMPOSTAZIONI DEL PRODUTTORE.
LA COSTANTE C1-13 INDICA L' IMPOSTAZIONE COSTANTE PER OGNI MACCHINA.

USER'S NO.	DEVICE CODE 7 49/56	PAGE
	CONTENTS TESTA PORTAMOLA	650
	DRAWING NO. 35-80777001-1	

WHEEL SPINDLE INVETER SETTING LIST(1/2)

YASUKAWA VS-626VMS

INVERTER TYPE

CIMR-VMS4075

MOTOR TYPE

USA11M-3A-TX110E

Constant number	Description	Unit	Setting	Constant number	Description	Unit	Setting
C1-01	Speed control proportion gain (H)	%/Hz	100	C1-26	Rated speed setting	r/min	11000
C1-02	Speed control integration time constant (H)	ms	50	C1-27	Transmission ratio 1 (H)		1.0000
C1-03	Speed control proportion gain (M,L)	%/Hz	60	C1-28	Transmission ratio 2 (M)		1.0000
C1-04	Speed control integration time constant (M,L)	ms	300	C1-29	Transmission ratio 3 (L)		1.0000
C1-05	Speed control proportion gain (H) servo mode	%/Hz	30	C1-30	Motor magnetic flux lower limit level	%	100
C1-06	Speed control integration time constant (H) servo mode	ms	100	C1-31	Servo mode magnetic flux level (H)	%	100
C1-07	Speed control proportion gain (M,L) servo mode	%/Hz	60	C1-32	Servo mode base speed ratio (H)		1.00
C1-08	Speed control integration time constant (M,L) servo mode	ms	100	C1-33	Servo mode magnetic flux level (M, L)	%	100
C1-09	Torque command filter time constant	ms	3.0	C1-34	Servo mode base speed ratio (M, L)		1.00
C1-10	Soft start time	s	120.0	C1-35	Zero speed brake time	s	0
C1-11	Speed command offset adjustment value		-	C1-36	Selection signal 1	HEX1	0000 1000
C1-12	Motor speed adjustment value		1.0000	C1-37	Selection signal 2	HEX1	1100 0100
C1-13	Magnetic pole offset		1404	C1-38	Selection signal 3	HEX1	0000 0000
C1-14	Torque command adjustment value		1.000	C1-39	Selection signal 4	HEX1	0000 0000
C1-15	Speed limit	%	000	C1-40	Selection signal 5	HEX1	0000 0000
C1-16	Speedometer signal adjustment value		1.00	C1-41	Internal speed command setting 1	%	0.00
C1-17	Load ratio meter signal adjustment value		1.00	C1-42	Internal speed command setting 2	%	0.00
C1-18	Load ratio meter full scale	%	164	C1-43	Internal speed command setting 3	%	0.00
C1-19	Zero speed detection level	r/min	30	C1-44	Internal speed command setting 4	%	0.00
C1-20	Speed consistency signal detection width	%	15	C1-45	Internal speed command setting 5	%	0.00
C1-21	Speed detection signal level	%	31	C1-46	Internal speed command setting 6	%	0.00
C1-22	Speed detection signal detection width	%	1.00	C1-47	Internal speed command setting 7	%	0.00
C1-23	Torque detection signal action level	%	10	C1-48	Internal speed command setting 8	%	0.00
C1-24	External operation torque limit level	%	10				
C1-25	Motor code selection	HEX1	E0				

Notes

"0" of selection signals (C1-36 to 39) indicates "i" and "1" indicates "l."

The setting value in the box indicated by thick lines indicates a value changed from the manufacturer's shipment setting.

The constant number C1-13 is the setting specific for each machine.

USER'S NO.	DEVICE CODE	7	50/56	PAGE
	CONTENTS	TESTA PORTAMCLA		651
	DRAWING NO.	35-80777001-1		

TOYODA MACHINE WORKS, LTD. HAS THE PROPERTY OF THIS DRAWING AND DESIGN SHOWN IN IT. ANY PART OF THIS DRAWING AND DESIGN SHALL NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT PRIOR PERMISSION OF TOYODA MACHINE WORKS, LTD.

ELENCO IMPOSTAZIONI INVERTITORE MANDRINO PORTAMOLA (2/2) YASUKAWA VS-626VMS

TIPO DI INVERTITORE CIMR-VMS4075

TIPO DI MOTORE

USAIIM-3A-TX110E

NUMERO COSTANTE	DESCRIZIONE	UNITA	IMPOSTAZIONE	NUMERO COSTANTE	DESCRIZIONE	UNITA	IMPOSTAZIONE
C2-01	ORIGINE POSIZIONAMENTO ASSE DI CARICO	IMPULSO		C2-16	LIVELLO FLUSSO MAGNETICO	%	100
C2-02	AUMENTO PROPORZIONE CONTROLLO POSIZIONE (H)	1/sec	15	C2-17	COEFFICIENTE DI RIDUZIONE VELOCITA DI ORIENTAMENTO	IMPULSO	0
C2-03	AUMENTO PROPORZIONE CONTROLLO POSIZIONE (M)	1/sec	15	C2-18	—	—	—
C2-04	AUMENTO PROPORZIONE CONTROLLO POSIZIONE (L)	1/sec	15	C2-19	—	—	—
C2-05	AUMENTO PROPORZIONE CONTROLLO VELOCITA (H)		50	C2-20	—	—	—
C2-06	COSTANTE TEMPO INTEGRAZIONE CONTROLLO VELOCITA	msec	100	C2-21	—	—	—
C2-07	AUMENTO PROPORZIONE CONTROLLO VELOCITA (M, L)		50	C2-22	SEGNALE DI SELEZIONE CONTROLLO ORIENTAMENTO 1	HEX1	1101 0000
C2-08	COSTANTE TEMPO INTEGRAZIONE CONTROLLO VELOCITA (M, L)	msec	100	C2-23	SEGNALE DI SELEZIONE CONTROLLO ORIENTAMENTO 2	HEX1	0000 0000
C2-09	LARGHEZZA DI RILEVAMENTO COMPLETAMENTO POSIZIONAMENTO	IMPULSO	5	C2-24	SEGNALE DI SELEZIONE CONTROLLO ORIENTAMENTO 3	HEX1	0000 0000
C2-10	LARGHEZZA DI AZZERAMENTO COMPLETAMENTO POSIZIONAMENTO	IMPULSO	10	C2-25	SEGNALE DI SELEZIONE CONTROLLO ORIENTAMENTO 4	HEX1	0000 0000
C2-11	VELOCITA ORIENTAMENTO	r/min	400	C2-26	LARGHEZZA DI IMPULSO CODIFICATORE FASE C	IMPULSO	ENTRATA AUTOMATICA
C2-12	RISOLUZIONE COMANDO POSIZIONE ARRESTO BCD	°	1.0				
C2-13	OFFSET POSIZIONE ARRESTO IMMAGINARIO	IMPULSO	0				
C2-14	MODIFICA RAPPORTO NELLA VELOCITA DI ORIENTAMENTO	0.0092 r/min	0				
C2-15	TEMPO AVVIO MORBIDO ALL'AVVIAMENTO	msec	0				

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	CONTENTS	TESTA PORTAMOLA		652
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WHEEL SPINDLE INVETER SETTING LIST(2/2)

YASUKAWA VS-626VMS

INVERTER TYPE

CIMR-VMS4075

MOTOR TYPE

USA11M-3A-TX110E

Constant number	Description	Unit	Setting	Constant number	Description	Unit	Setting
C2-01	Load axis positioning origin	Pulse		C2-16	Magnetic flux level	%	100
C2-02	Position control proportion gain (H)	1/sec	15	C2-17	Orientation speed reduction coefficient	Pulse	0
C2-03	Position control proportion gain (M)	1/sec	15	C2-18	—	—	—
C2-04	Position control proportion gain (L)	1/sec	15	C2-19	—	—	—
C2-05	Speed control proportion gain (H)		50	C2-20	—	—	—
C2-06	Speed control integration time constant	msec	100	C2-21	—	—	—
C2-07	Speed control proportion gain (M, L)		50	C2-22	Orientation control selection signal 1	HEX1	1101 0000
C2-08	Speed control integration time constant (M, L)	msec	100	C2-23	Orientation control selection signal 2	HEX1	0000 0000
C2-09	Positioning completion detection width	Pulse	5	C2-24	Orientation control selection signal 3	HEX1	0000 0000
C2-10	Positioning completion resetting width	Pulse	10	C2-25	Orientation control selection signal 4	HEX1	0000 0000
C2-11	Orientation speed	r/min	400	C2-26	Pulse width of encoder C phase	Pulse	Automatic input
C2-12	BCD stopping position command resolution	°	1.0				
C2-13	Imaginary stopping position offset	Pulse	0				
C2-14	Change ratio in the orientation speed	0.0092 r/min	0				
C2-15	Soft starting time at startup	msec	0				

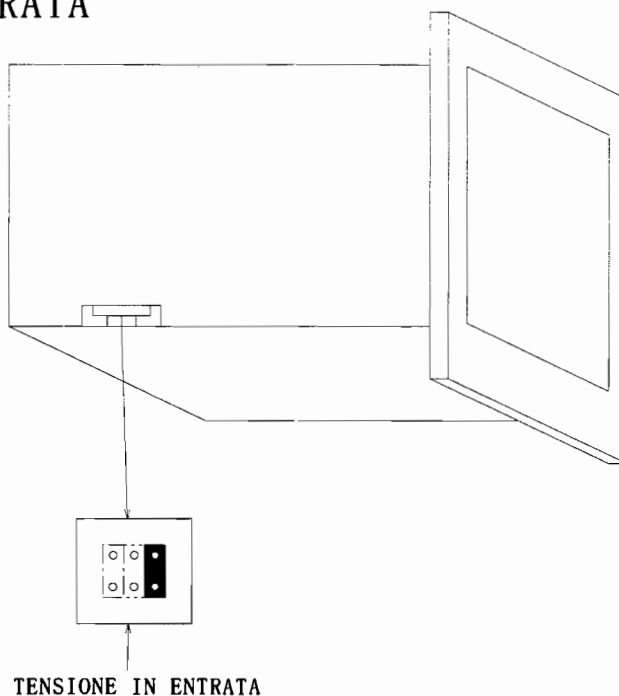
USER'S NO.	DEVICE CODE	7	52/56	PAGE
	CONTENTS	TESTA PORTAMOLA		
	DRAWING NO.	35-80777001-1		
				653

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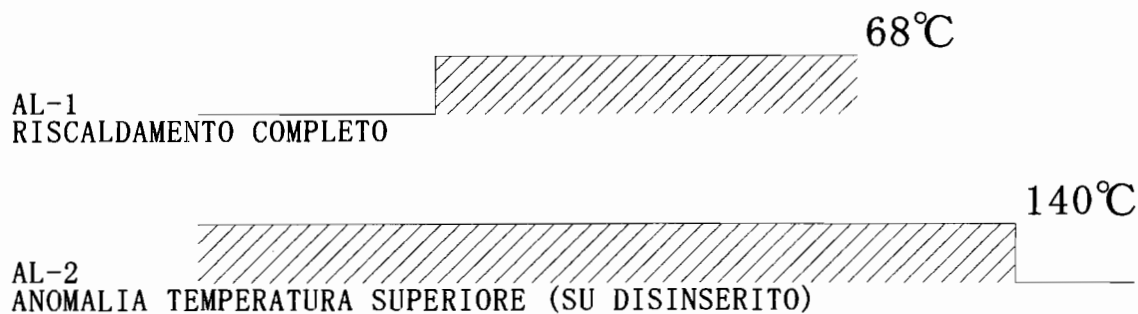
ELENCO IMPOSTAZIONI CONTROLLORE DI TEMPERATURA DIGITALE (E5CK-RR1) (1/2)

IMPOSTAZIONE TIPO DI ENTRATA

IMPOSTAZIONE TENSIONE DI ENTRATA



IMPOSTAZIONE TEMPERATURA AL1, AL2



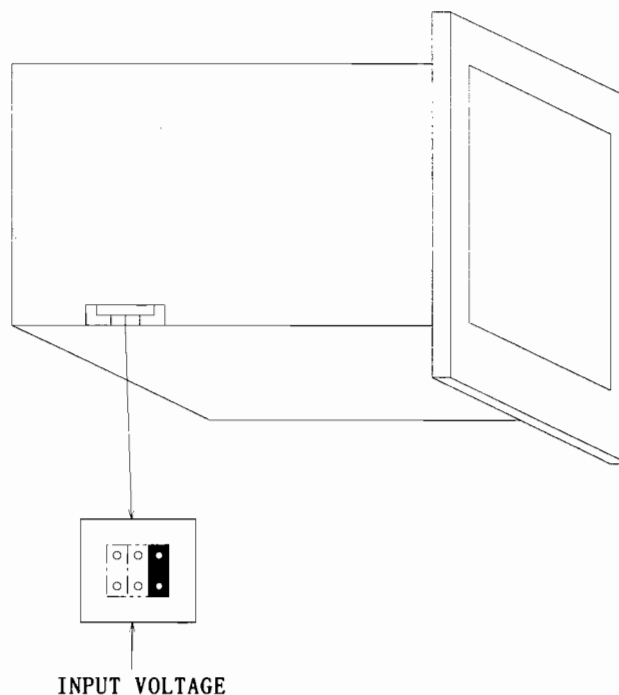
IMPOSTAZIONE AL. 1	68°C
IMPOSTAZIONE AL. 2	140°C

USER'S NO.	DEVICE CODE	7	53/56	PAGE
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	DRAWING NO.	35-80777001-1		

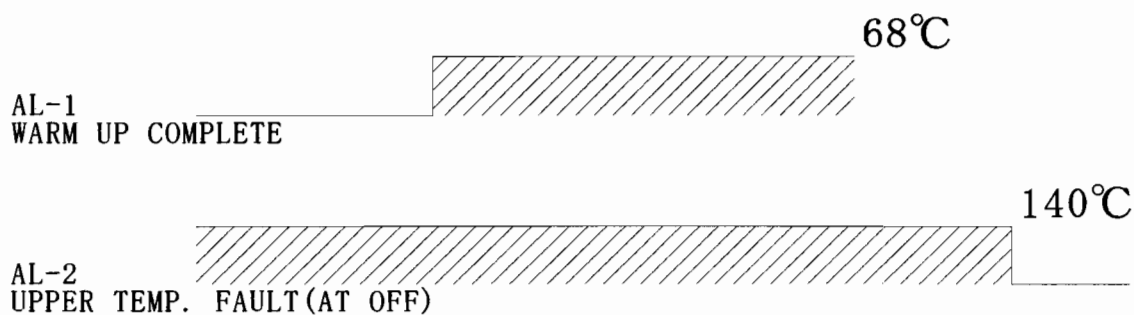
DIGITAL TEMP CONTROLLER (E5CK-RR1) SETTING LIST (1/2)

INPUT TYPE SETTING

INPUT VOLTAGE SET



AL1, AL2 TEMP SETTING

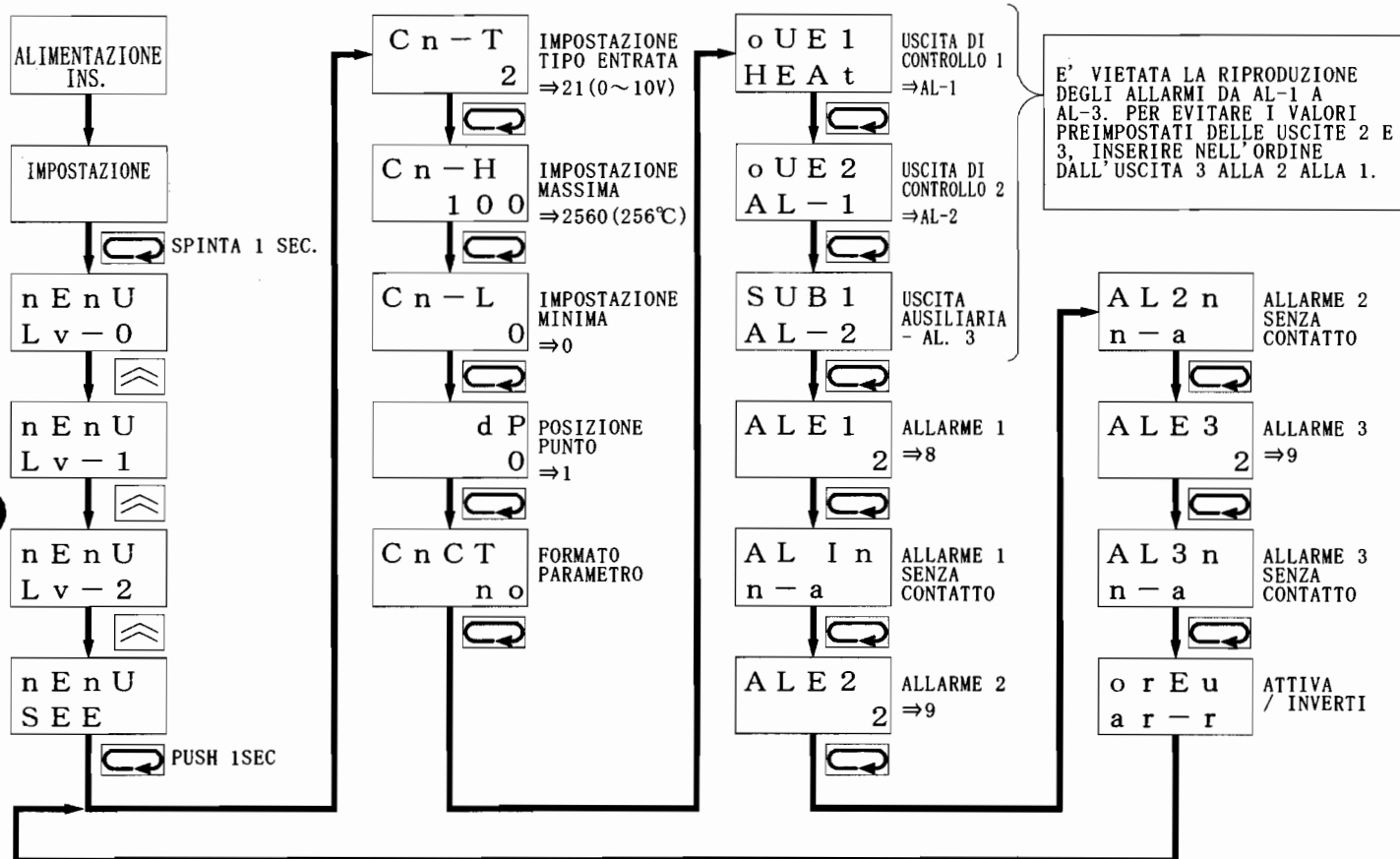


AL-1 SETTING	68°C
AL-2 SETTING	140°C

USER'S NO.	DEVICE CODE	7	54/56	PAGE
	CONTENTS	TESTA PORTAMCLA		655
	DRAWING NO.	35-80777001-1		

ELENCO IMPOSTAZIONI CONTROLLORE TEMPERATURA DIGITALE (E5CK-RR1) (2/2)

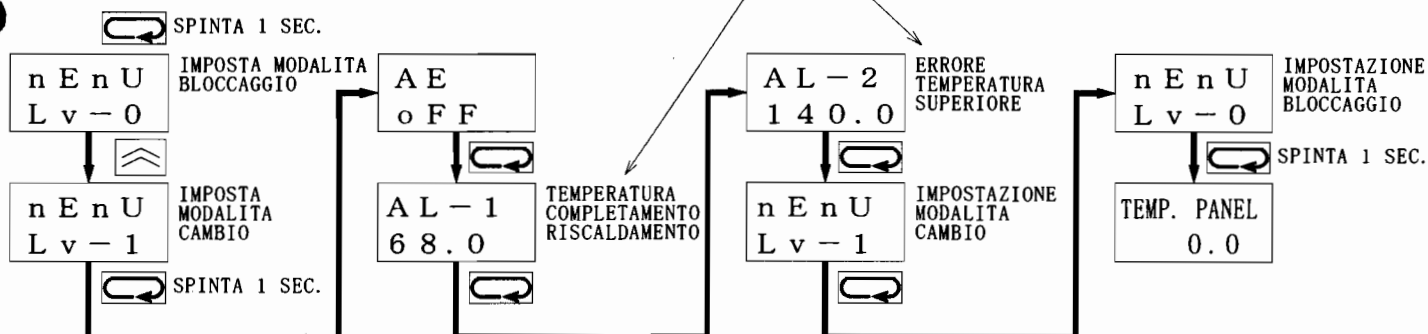
PARAMETRI



L' IMPOSTAZIONE DEFINITIVA SARA STABILITA DOPO IL CICLO DI PROVA

(PREMERE 0 PER MODIFICARE LE IMPOSTAZIONI)

IMPOSTAZIONE TEMPERATURA

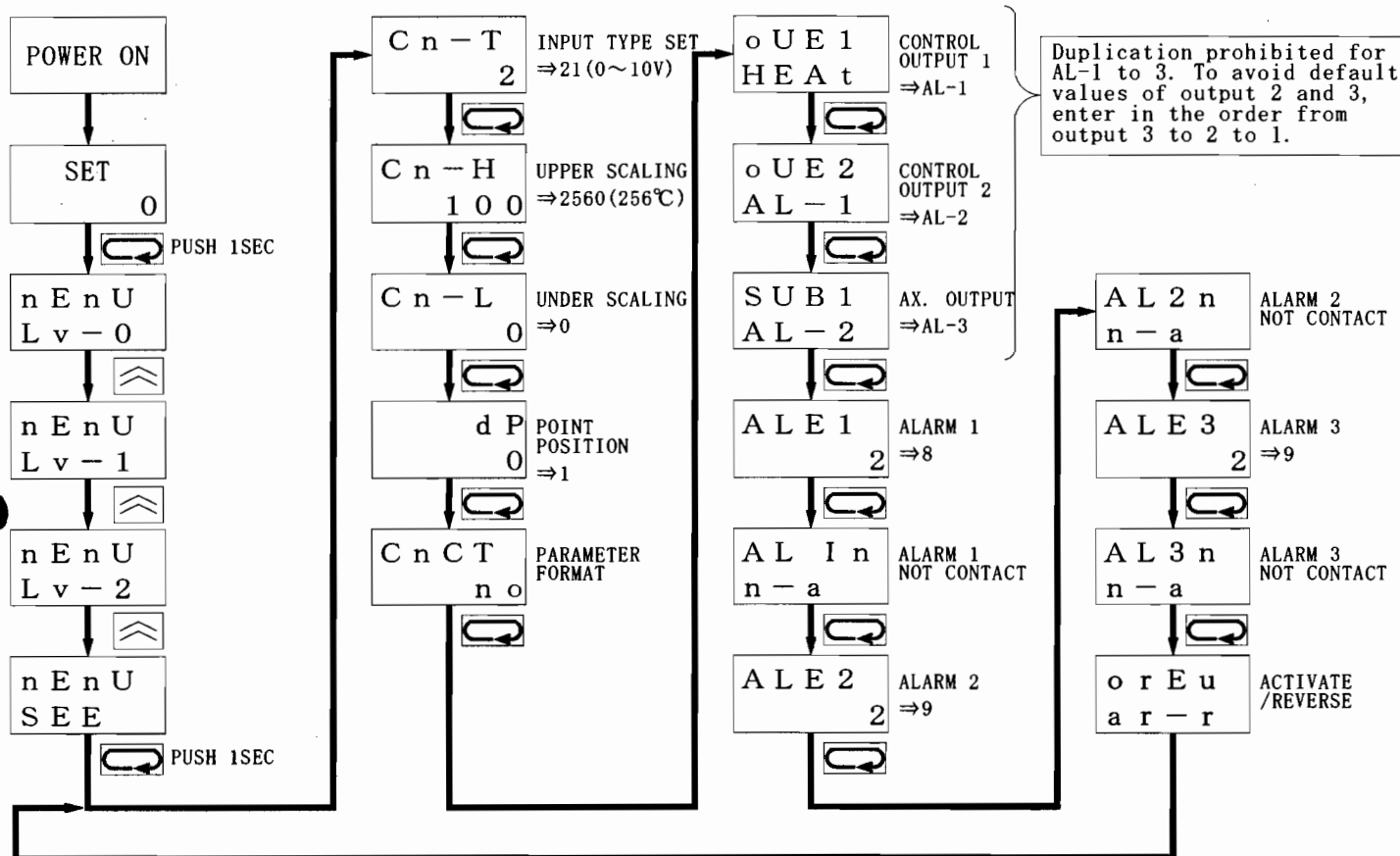


(NOTA) UNA VOLTA INSERITI TUTTI I PARAMETRI DI IMPOSTAZIONE, PROTEGGERLI DA EVENTUALI MODIFICHE.

USER'S NO.	DEVICE CODE 7 55/56	PAGE
	CONTENTS TESTA PORTAMOLA	656
DRAWING NO.	35-80777001-1	

DIGITAL TEMP CONTROLLER (E5CK-RR1) SETTING LIST (2/2)

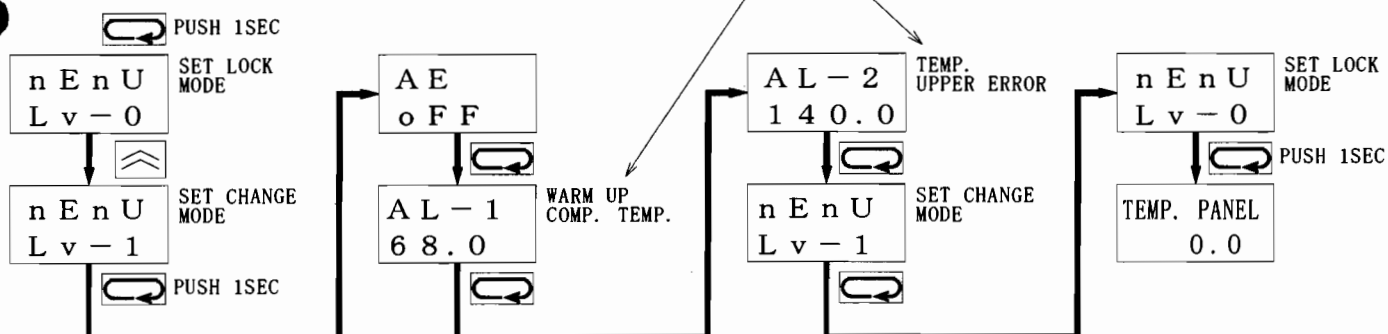
PARAMETER



Final setting shall be determined after the test.

(Press  or  to change the setting.)

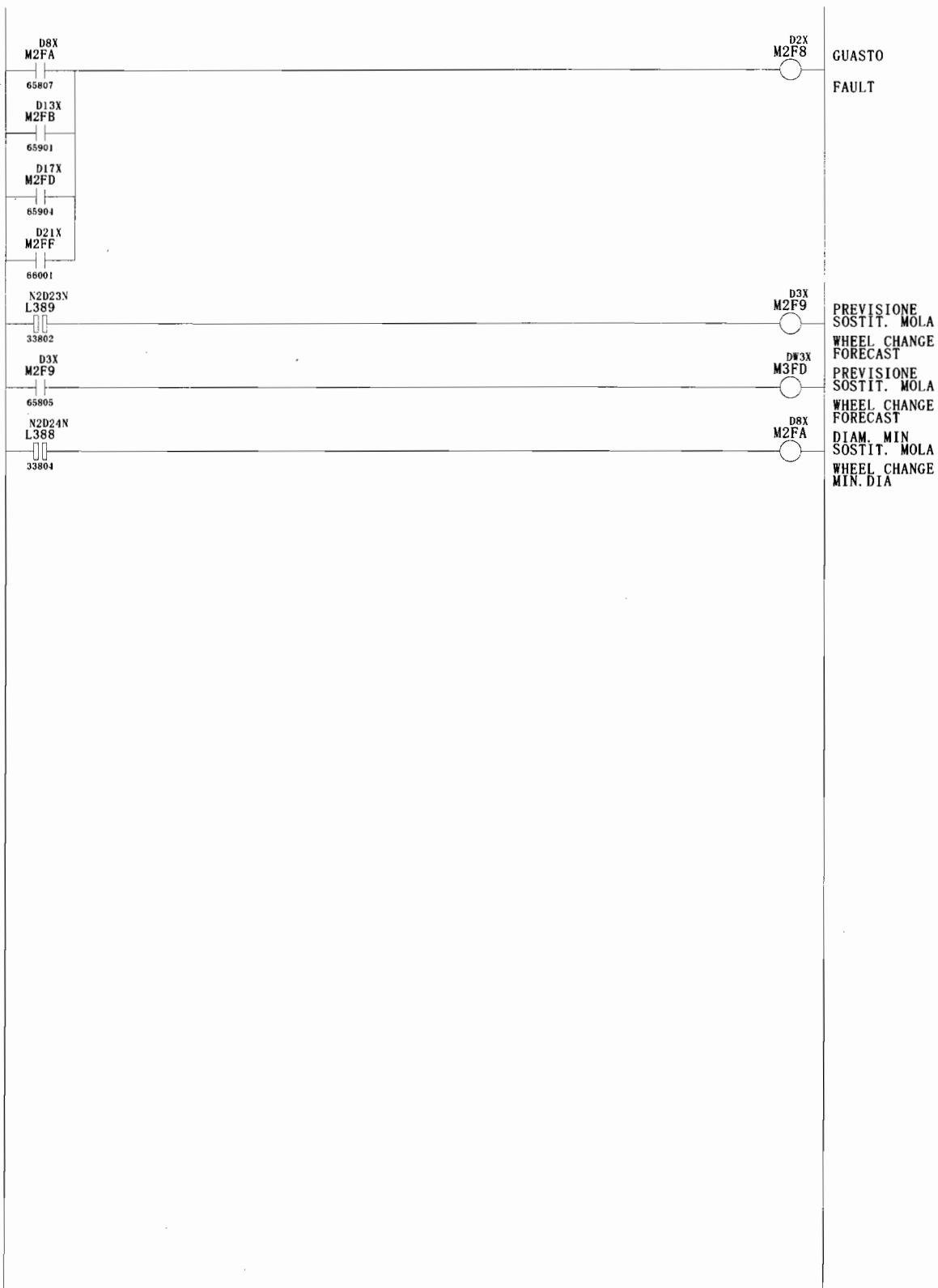
TEMP. SETTING



(Note) After entering all the settings, write-protect them.

USER'S NO.	DEVICE CODE	7	56/56	PAGE
	CONTENTS	TESTA PORTAMCLA		657
	DRAWING NO.	35-80777001-1		

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N2D23N	PREV. SOSTITUZIONE MOLA(MOLA 1)	338
N2D24N	GUASTO MIN. MOLA(MOLA 1)	338
COILMARK	FUNCTION	PAGE COILMARK FUNCTION PAGE
USER'S NO.	DEVICE CODE 8 1/20	PAGE 658
	CONTENTS SOSTI TUZI ONE MOLA	
DRAWING NO.	35-80777001-1	

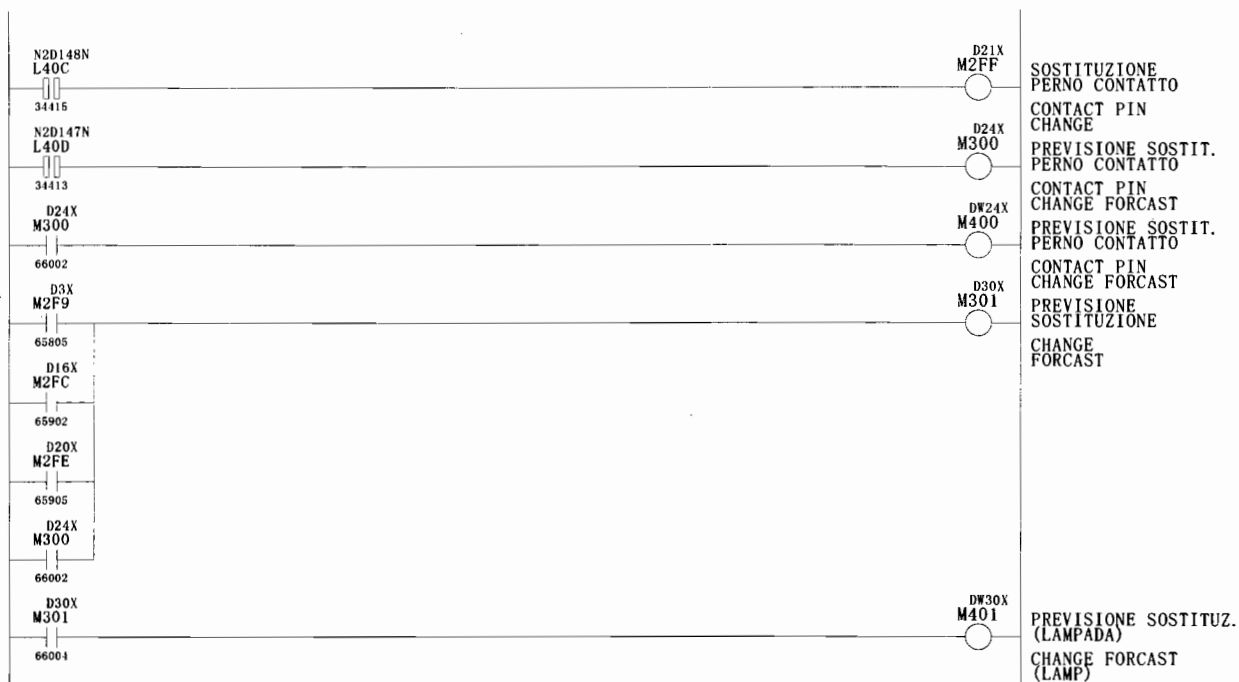
DRIVING VOL. OF STANDARD

20

DIAM. MIN
RULLO RIPASSATURA
DRESS ROLL
MIN. DIA
PREVISIONE SOSTIT.
RULLO RIPASSATURA
DRESS ROLL
CHANGE FORECAST
PREVISIONE SOSTIT.
RULLO RIPASSATURA
DRESS ROLL
CHANGE FORECAST
DIAM. MIN
RULLO DIAMANTE
DIAMOND ROOL
MIN. DIA
PREVISIONE SOSTIT.
RULLO DIAMANTE
DIAMOND ROLL
CHANGE FORCAST
PREVISIONE SOSTIT.
RULLO DIAMANTE
DIAMOND ROOL
CHANGE FORCAST

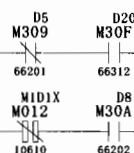
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D5
M309

D8
M30A

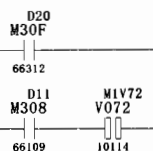
CONDIZIONE ESEC. RIT.
SOSTITUZ. MOLA
WHEEL CHANGE RETURN
RUN CONDITION
CONDIZIONE CICLO ESCL.
CYCLE CONDITION OFF

[illegible][illegible]

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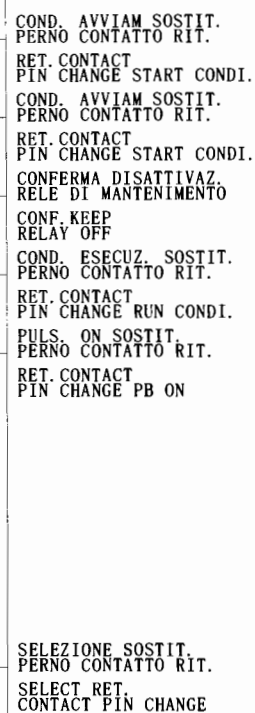
DW20
M402

SOSTITUZIONE
MOLA RITORNO
RET. WHEEL
CHANGE

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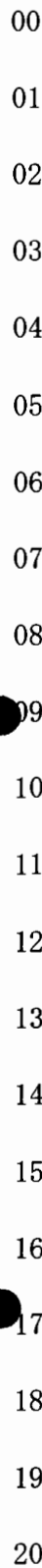
MIV72	OROLOGIO101 SECONDO	101			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	8	7/20		PAGE
	CONTENTS	SOSTI TUZI ONE MLA			664
	DRAWING NO.	35-80777001-1			

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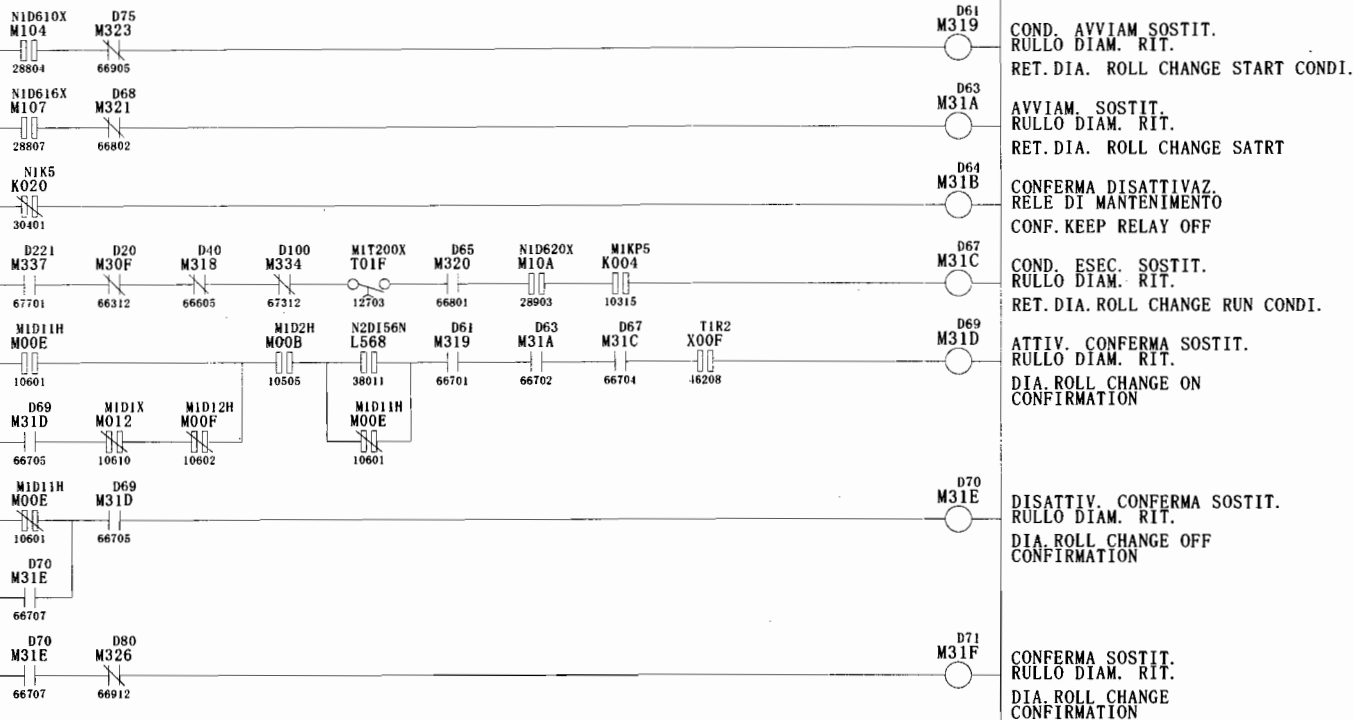
NID610X	COND. AVVIO EST. A(ALL' AVVIO)	288	NID2H	MANUALE(INIZIO EST.)	105
NID616X	COND. AVVIO EST. A(OGNI AVVIO)	288	N1R9X	AVVIO BLOCCO SINGOLO	98
N1K1	MEMORIA POSIZ. IMP. DIAM. MOLA	296	NID25BK	CONTR. DIS. PELS. BLOCCO SING. (UNITA A)	289
N1K2	MEMORIA POSIZ. IMP. POS. PEZZO	298	N2D390N	AVVIO ESEC. AUTOM. UNITA A	363
N1K3	MEMORIA POS. IMP. CONTATTO RAVV.	300	N1D402A	FINE ARRESTOCODICE M UNITA A	273
9K1	IMPOST. COMPLETAM. RIPASSATURA GREZZA	691	N2D392N	ESECUZ. AUTOM. UNITA A	363
MIT200X	SELEZ. PEZZO COMPLETA	127			
NID620X	COND. ESEC. AVVIO EST.	289			
NID1	OFF FINTO	290			
NID3H	MANUALE (MANIGLIA)	105			
T1K3	SERVO ONCOMPLETO	462			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	8	8/20	PAGE	
	CONTENTS	SOSTI TUZI ONE MOLA			665
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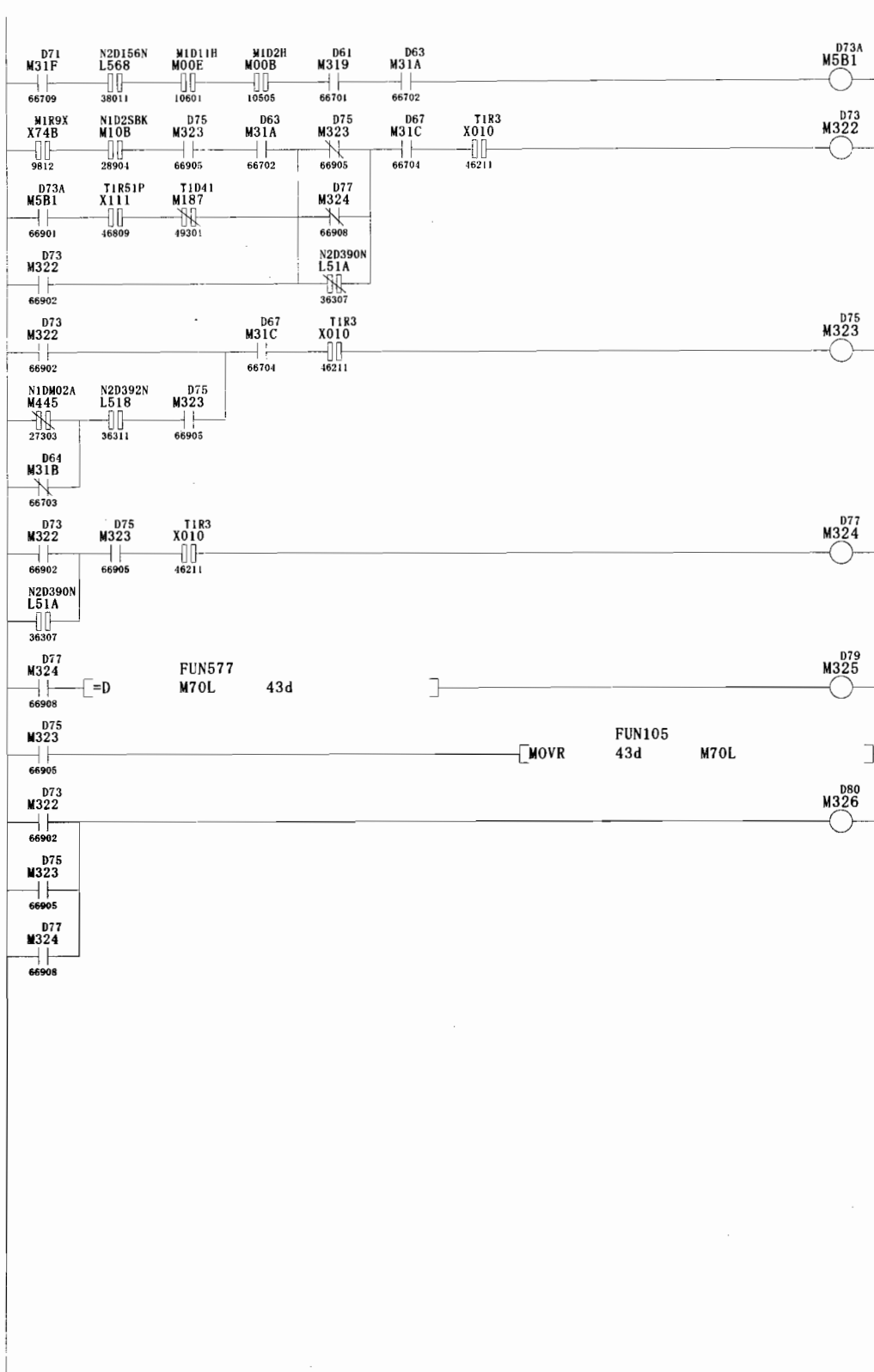
[illegible]

N1D610X	COND. AVVIO EST. A(ALL'AVVIO)	288	M1D12H	INVERSO	106
N1D616X	COND. AVVIO EST. A(OGNI AVVIO)	288			
N1K5	MEMORIA POSIZ.IMP. DIAM. DIAMANTE	304			
M1T200X	SELEZ. PEZZO COMPLETA	127			
N1D620X	COND. ESEC. AVVIO EST.	289			
M1KP5	PARAMETRO SUEMORIA POSIZIONE AUTON.	103			
M1D11H	ATTIVA	106			
M1D2H	MANUAL (INIZIO EST.)	105			
N2D156X	SEGNALE INTERR. 56RIT. SOST. RULLO	380			
T1R2	POMPE AVVIAM. I	462			
M1D1X	RESET ERRORI	106			

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	8	10/20		PAGE
	CONTENTS	SOSTI TUZI ONE MCLA			667
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PULS. ON SOSTIT.
RULLO DIAM. RIT.
RET. DIA. ROLL
CHANGE PB ON
PULS. ON SOSTIT.
RULLO DIAM. RIT.
RET. DIA. ROLL
CHANGE PB ON
SELEZIONE SOSTIT.
RULLO DIAM. RIT.
SELECT RET. DIA. ROLL CHANGE
SELEZIONE SOSTIT.
RULLO DIAM. RIT. (OFF PER SBK)
SELECT RET. DIA. ROLL CHANGE
(OFF AT SBK)
AVVIO UNITA A SOSTIT.
RULLO DIAM. RIT.
START UNIT A
RET. DIA ROLL CHANGE
APPROCCIO CONTATTO
SELEZ. UNITA A
SELECT UNIT A
CONTACT APPROACH
SOSTITUZIONE RULLO
DIAMANTE RIT.
RET. DIA. ROLL CHANGE

8D73A	8D73	8D75	8D77	8D79	8D80														
19502 66903	66904 66905 66908 66912	66701 66902 66902 66906 66908 66911 66913	66903 66910 66914	67704	30408 66104 66709 66802 67001 67104 67603														

N2D156N	SEGNAL. INTERR. 56RIT. SOST. RULLO	380			
M1D11H	ATTIVA	106			
M1D2H	MANUAL (INIZIO EST.)	105			
M1R9X	AVVIO BLOCCO SINGOLO	98			
N1D2SBK	CONTR. DIS. PLS. BLOCCO SING. (UNITA A)	289			
T1R3	SERVO ONCOMPLETO	462			
T1R51P	BLOCCAGGIO ANTERIOREDI MACCHINA	468			
T1D41	COND. ESEC. APERTURA SPORT.	493			
N2D390N	AVVIO ESEC. AUTOM. UNITA A	363			
N1DM02A	FINE ARRESTOCODICE M UNITA A	273			
N2D392N	ESEC. AUTOM. UNITA A	363			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	8	12/20	PAGE	
	CONTENTS	SOSTITUZIONE RULLO DIAMANTE			669
	DRAWING NO.	35-80777001-1			

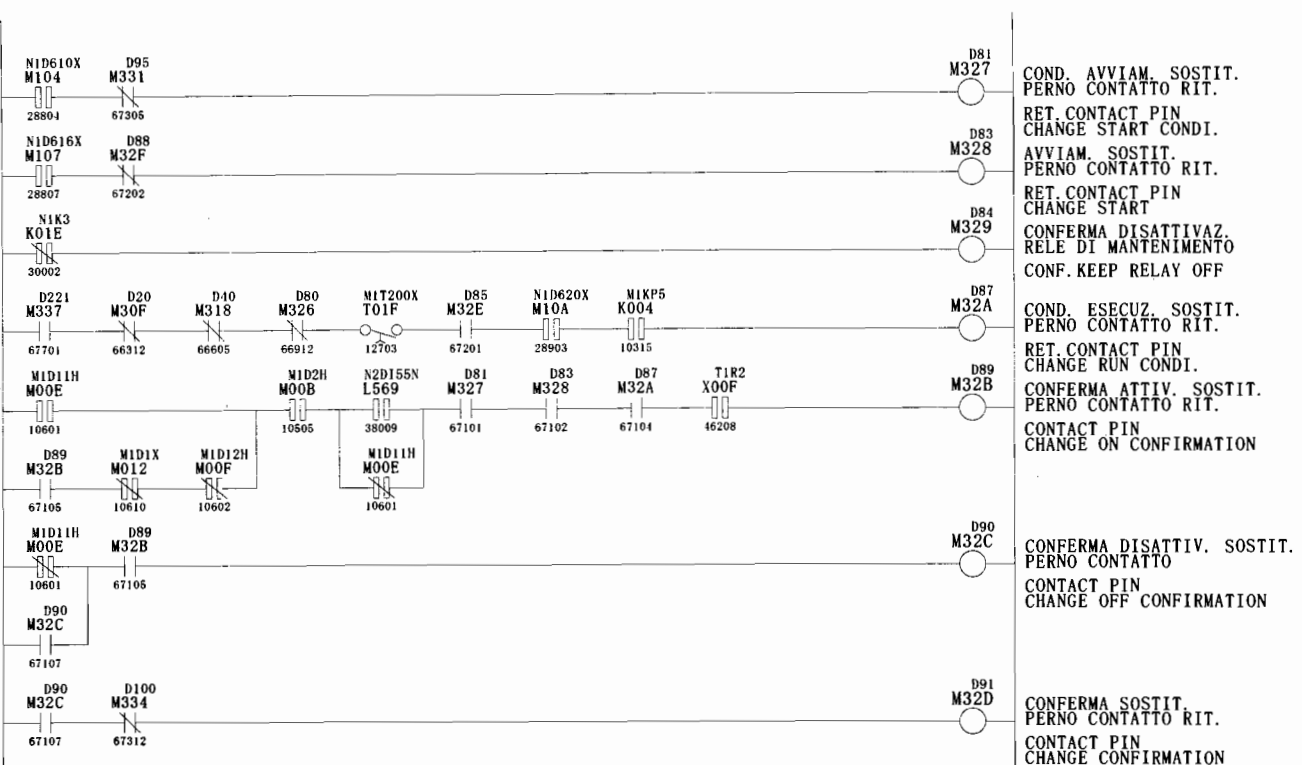
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SOSTITUZIONE RULLO
DIAMANTE RIT.
RET. DIA ROLL CHANGE

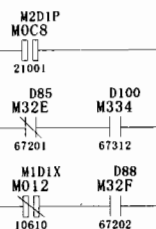
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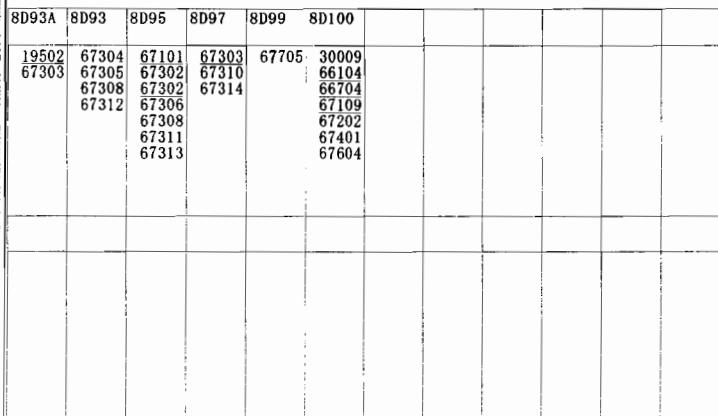
D85
M32E

D88
M32F

CONDIZIONE ESECUZIONE	RUN CONDITION
CONDIZIONE CICLO OFF	CYCLE CONDITION OFF

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W2D1P	NON INTERF. CARICATORE	210			
MIDIX	RESET ERRORI	106			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	8	15/20	PAGE	
	CONTENTS	SOSTI TUZI ONE MLA			672
	DRAWING NO.	35-80777001-1			



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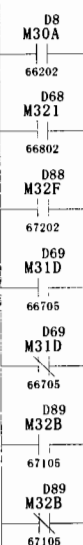


SOSTITUZIONE PERNO
CONTATTO RIT.
RET. CONTACT PIN CHANGE

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MIV72	OROLOGIO1 SECONDO	101			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	8	17/20	PAGE	
	CONTENTS	SOSTI TUZI ONE MLA		674	
	DRAWING NO.	35-80777001-1			

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D240
M335

GUASTO CONDIZIONE ESECUZIONE
RUN CONDITION FAULT

FUN577
R9L

R9L 0d

MOV R

FUN105
6d

R9L

GUIDA SOST.
RULLO DIAM.
DIA. ROLL CHANGE GUIDANCE

FUN577
R9L

R9L 6d

MOV R

FUN105
0d

R9L

ELIMINAZIONE
GUIDA
GUIDANCE CLEAR

FUN577
R9L

R9L 0d

MOV R

FUN105
7d

R9L

GUIDA SOST.
PERNO CONTATTO
CONTACT PIN CHANGE GUIDANCE

FUN577
R9L

R9L 7d

MOV R

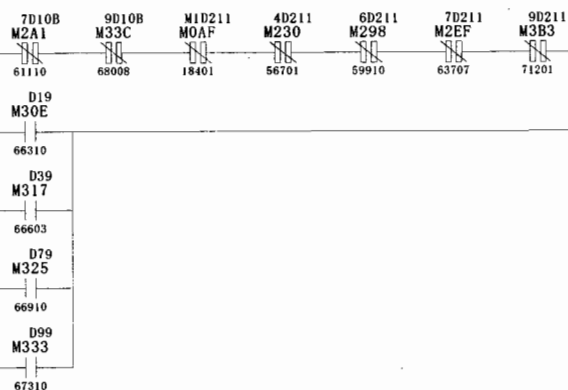
FUN105
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ELIMINAZIONE
GUIDA
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D221
M337

M337

D231
M228

0231
M338

ESECUZ. CN DISATT.
ECCETTO 8
NC RUNNING
OFF EXCEPT 8
ESECUZ. CN
(LIVELLO A)
NC RUN
(LEVEL A)

[illegible]

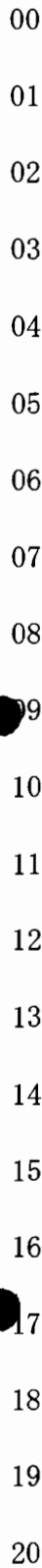
7D10B	CICLO RITORNO		611	
9D10B	RITORNORIPASSATORE		680	
M1D211	ESECUZIONE CN ATTORNO M1(LIVELLO A)		184	
4D211	ESECUZIONE CN ATTORNO 4(LIVELLO A)		567	
6D211	ESECUZIONE CN ATTORNO 6(LIVELLO A)		599	
7D211	ESECUZ. CN(LIVELLO A)		637	
9D211	ESECUZ. CN(LIVELLO A)		712	

COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	8	20/20		PAGE
	CONTENTS	SOSTI TUZI ONE MLA			677
	DRAWING NO.	35-80777001-1			

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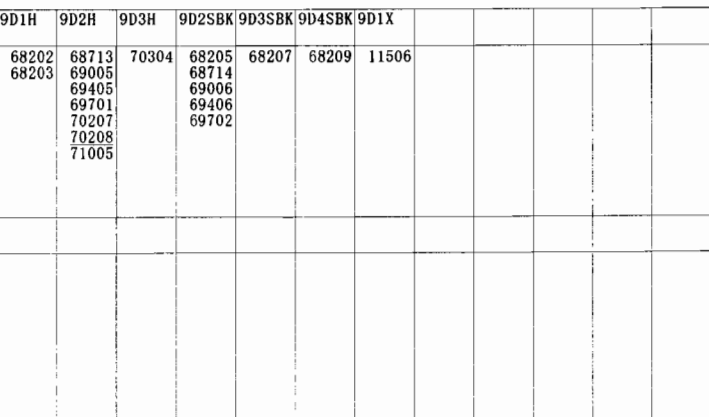
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE 9	2/45		PAGE 679	
	CONTENTS RAWI VATORE				
	DRAWING NO. 35-80777001-1				

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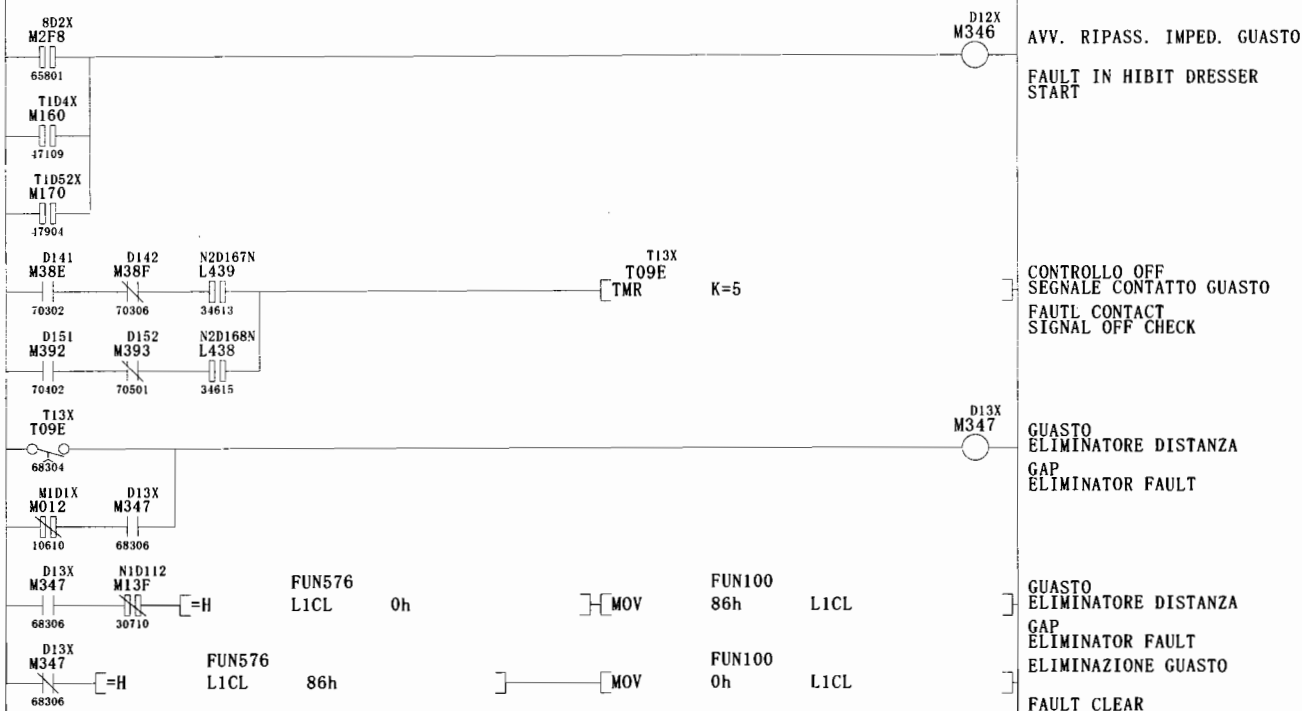
N1D1	OFF FINTO	290			
N1D530X	BATTERIA CNCNORMALE	286			
N1D450X	NORMALE CN (APPR. CICLO RIT.)	286			
T1R3	SERVO ONCOMPLETE	462			
N1D200	PROGRAMMA CN IN CORSO	310			
N1DM02A	FINE ARRESTOCODICE M UNITA A	273			
7D101	ROTAZIONE 1MANDRINO PORTAM.	632			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	9	3/45		PAGE
	CONTENTS	RAW VATORE			680
	DRAWING NO.	35-80777001-1			

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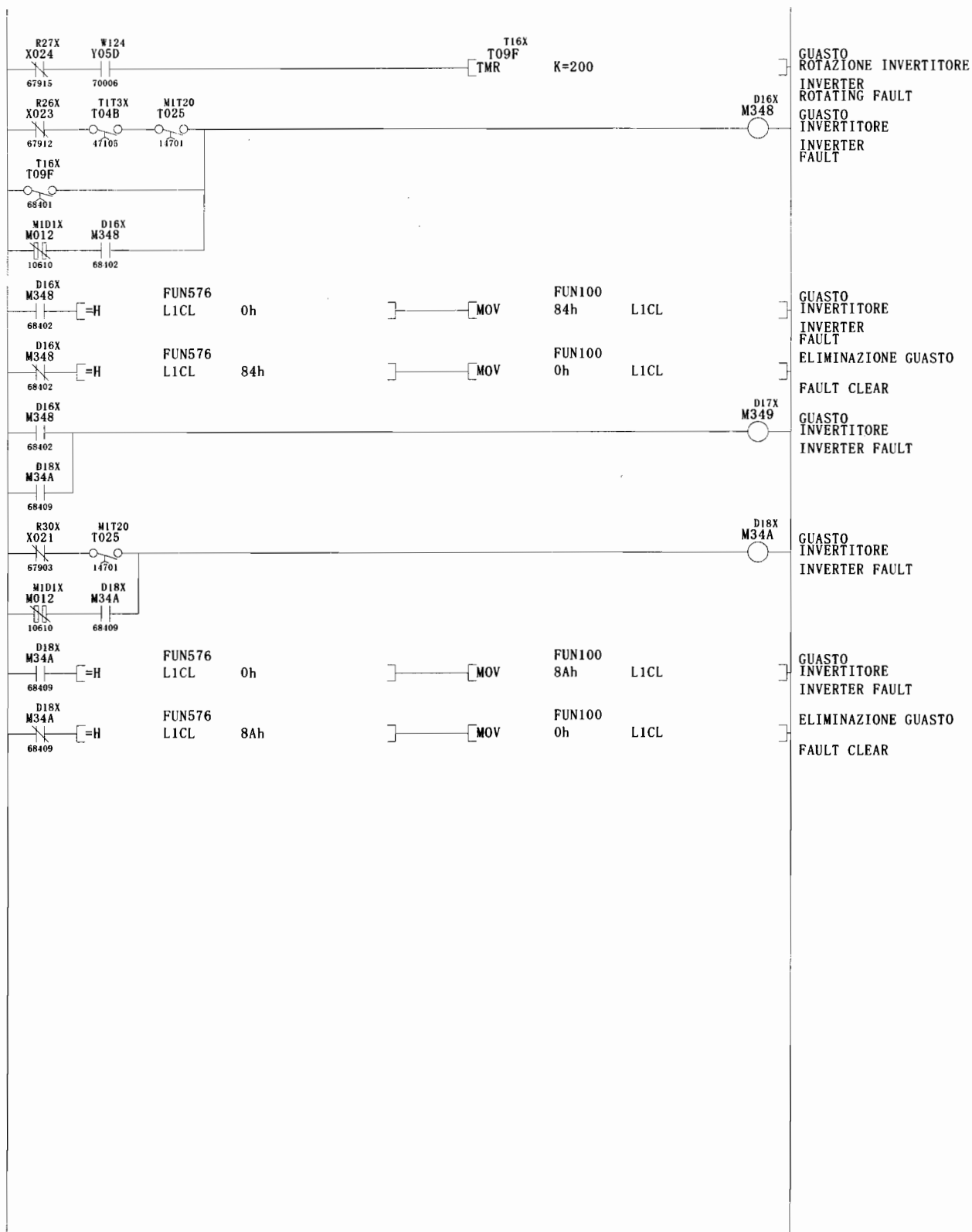


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USER'S NO.	DEVICE CODE	9	5/45		PAGE
	CONTENTS	RAWI VATORE			682
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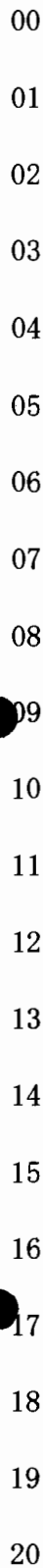
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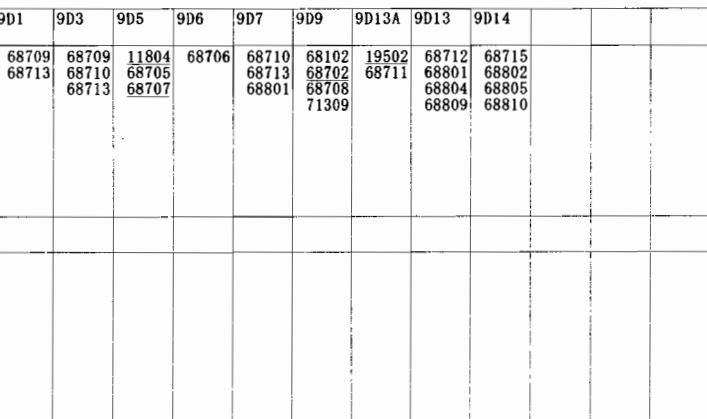
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MIL20	ACCENSIONECONF.	147			
MIDIX	RESET ERRORI	106			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	9	7/45	PAGE	
	CONTENTS	RAW VATORE			684
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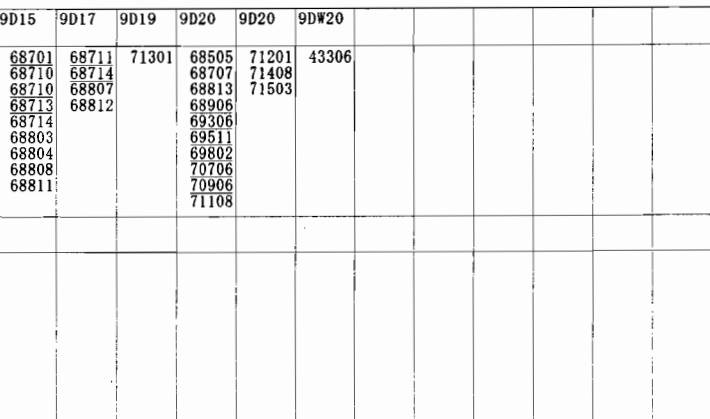


USER'S NO.	DEVICE CODE	9	10/45	PAGE
	CONTENTS	RAW VATORE		687
	DRAWING NO.	35-80777001-1		

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire page. There are no margins, text, or other markings on the paper.

TOYODA MACHINE WORKS. LTD.

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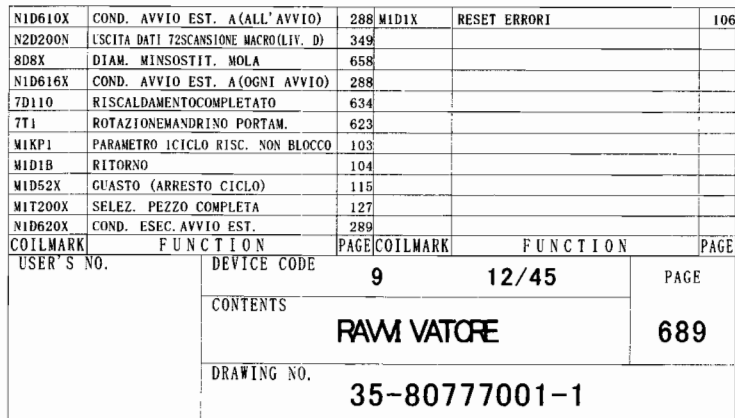
DRAWING NO. : 35-80777001 OUTPUT: 06/01/25 UPDATE: 05/10/04 TOYODA MACHINE WORKS. LTD.

DRAWING NO. OF STANDARD:

DRAWING NO. : 35-80777001

OUTPUT: 06/01/25

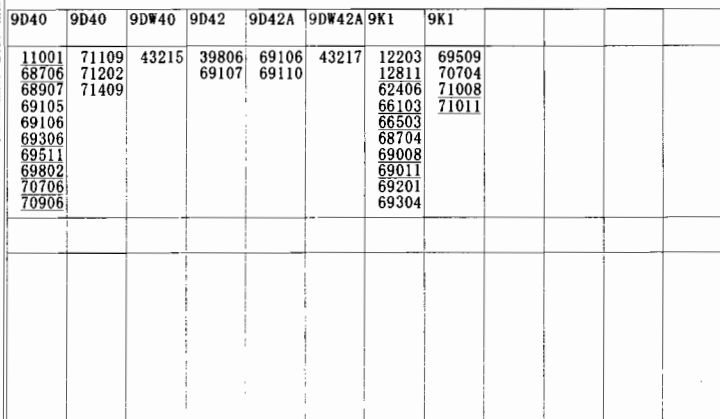
UPDATE: 05/10/04



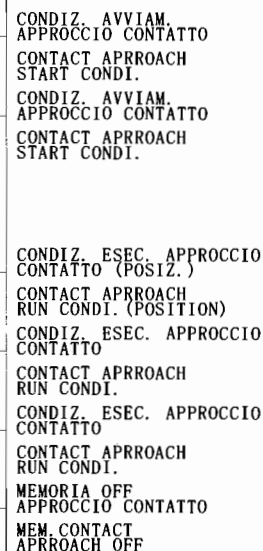
TOYODA MACHINE WORKS. LTD.



N2D151N	SEGNAL. INTERR. SI AVVIO RIPASS. GREZZA	380	N1D002A	FINE ARRESTOCODICE M UNITA A	273
M1D11H	ATTIVA	106	N2D392N	ESEC.UZ. AUTOM.UNITA A	363
M1D2H	MANUAL (INIZIO EST.)	105			
M1R9X	AVVIO BLOCCO SINGOLO	98			
N1D2SBK	CONTR. DIS. PLS. BLOCCO SING. (UNITA A)	289			
T1R3	SERVO ONCOMPLETEO	462			
T1R51P	BLOCCAGGIO ANTERIOREDI MACCHINA	468			
T1D41	COND. ESEC. APERTURA SPORT.	493			
N2D390N	AVVIO ESEC. AUTOM. UNITA A	363			
N1D1	OFF FINTO	290			
M1R1ST	AVVIO CICLO	98			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	9	13/45	PAGE	
	CONTENTS	RAW VATORE			690
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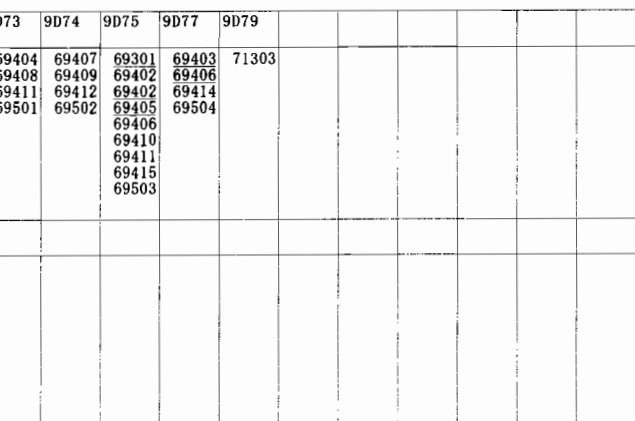


COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
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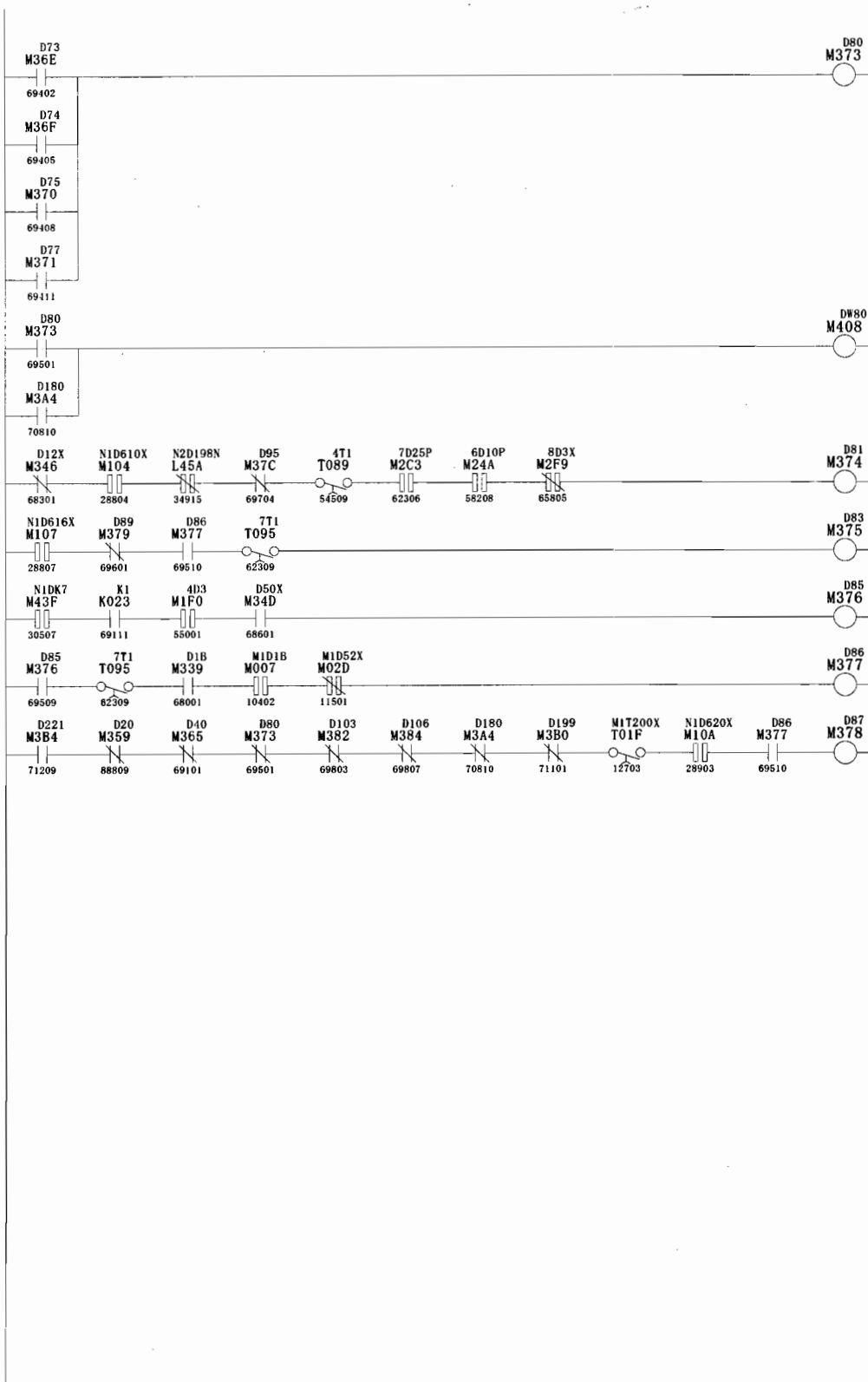


NID610X	COND. AVVIO EST. A(ALL' AVVIO)	288	MID52X	GUASTO (ARRESTO CICLO)	115
N2D198N	(SCITA DATI 70SCANSIONE MACRO (LIV. F)	349	M1T200X	SELEZ. PEZZO COMPLETA	127
N3D351N	IMMISSIONE 95SEGNALE 1 AE	406	NID620X	COND. ESEC. AVVIO EST.	289
6D10P	POSIZ. ORIG. TAVOLA	582	MID1X	RESET ERRORI	106
8D8X	DIAM. MINSOSTIT. MOLA	658			
NID616X	COND. AVVIO EST. A(OGNI AVVIO)	288			
7D110	RISCALDAMENTOCOMPLETATO	634			
7T1	ROTAZIONEMANDRINO PORTAM.	623			
MIKP1	PARAMETRO ICICLO RISC. NON BLOCCO	103			
NIDK7	CAMBIO MOLA POS. MEMORIACOMPLET.	305			
MID1B	RITORNO	104			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	9	16/45	PAGE	
	CONTENTS	RAW VALUE			693
	DRAWING NO.	35-80777001-1			

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05/10/04 TOYODA MACHINE WORKS. LTD.



AVVIAM.
APPROCCIO CONTATTO
CONTACT APPROACH
START

AVVIAM. APPROCCIO
CONTATTO (LAMPADA)
CONTACT APPROACH
START (LAMP)

CONDIZ. AVVIAMENTO
RIPASSATURA

DRESSING
START CONDI.

CONDIZ. AVVIAMENTO
RIPASSATURA

DRESSING
START CONDI.

CONDIZ. ESECUZ.
RIPASSATURA (POSIZIONE)

DRESSING RUN CONDI.
(POSITION)

CONDIZ.	ESECUZ.
RIPASSATURA	

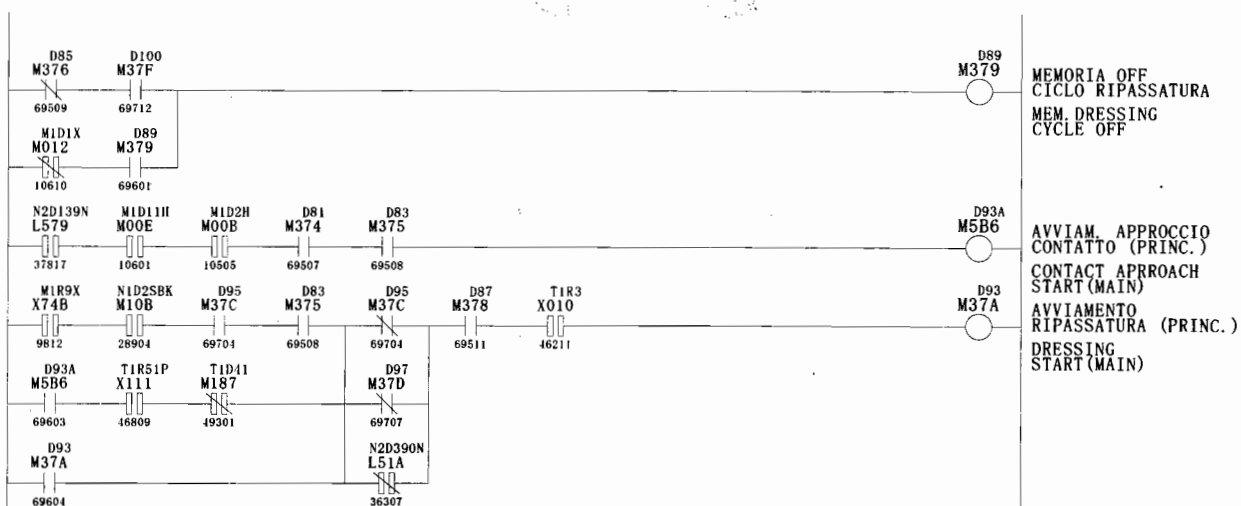
DRESSING RUN
CONDI.

CONDIZ.	ESECUZ.
RIPASSATURA	

DRESSING RUN
CONDI

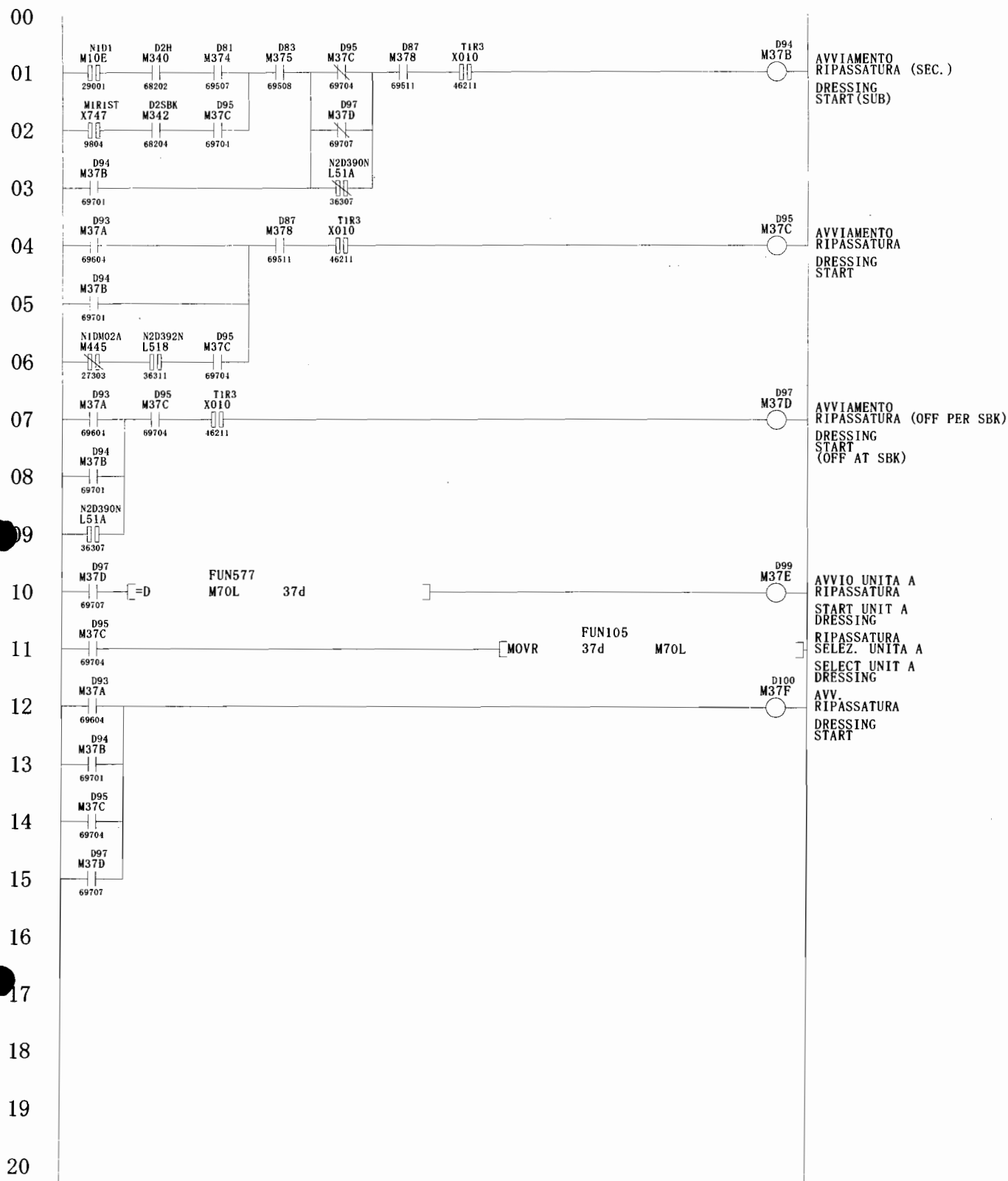
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M1D1X	RESET ERRORI	106			
N2D139N	SEGNALE INTERR. 39AVVIO RIPASS. (NOX IN USO)	378			
M1D11H	ATTIVA	106			
M1D2H	MANUAL (INIZIO EST.)	105			
M1R9X	AVVIO BLOCCO SINGOLO	98			
N1D2SBK	CONTR. DIS. PLS. BLOCCO SING. (UNITA A)	289			
T1R3	SERVO ONCOMPLETO	462			
T1R51P	BLOCCAGGIO ANTERIOREDI MACCHINA	468			
T1D41	COND. ESEC. APERTURA SPORT.	493			
N2D390N	AVVIO ESEC. AUTOM. UNITA A	363			
COILMARK FUNCTION		PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.		9	19/45	PAGE	
CONTENTS		RAWI VATORE			696
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DRAWING NO. : 35-80777001

OUTPUT: 06/01/25

UPDATE: 05/10/04



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AVVIO UNITA A
ARRESTO RULLO RIPASS.
START UNIT A
DRESSING ROLL STOP
ARRESTO RULLO RIPASS.
SELEZ. UNITA A
SELECT UNIT A
DRESSING ROLL STOP

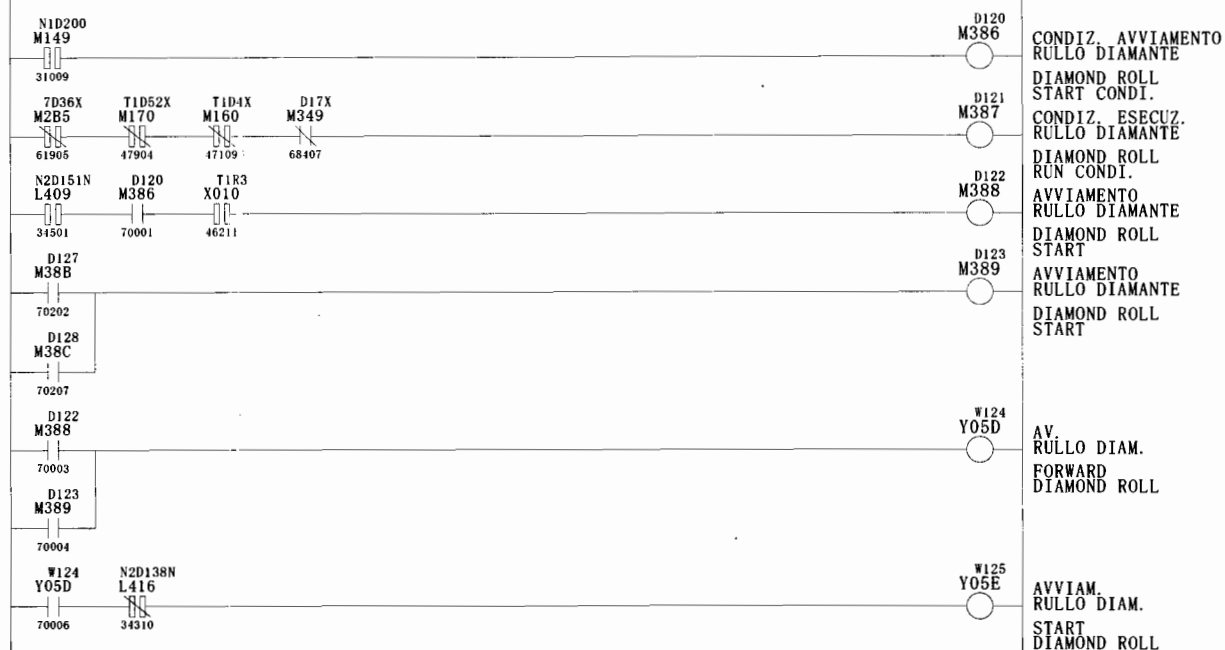
FUN105
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COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	9	22/45	PAGE	
	CONTENTS				699
	DRAWING NO.	35-80777001-1			

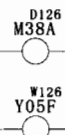
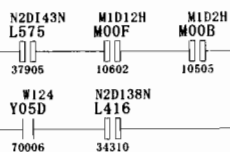
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NID200	PROGRAMMA CN IN CORSO	310			
7D36X	GUASTO FILTRO OLIORAFFR. MOTORE	619			
T1D52X	NEBBIA OLIOVUOTO (RAVVIV.)	479			
T1D4X	PRESSIONEARIA BASSA	471			
N2D151N	USCITA DATI 23ROTAZIONE RULLO DIAM.	345			
T1R3	SERVO ONCOMPLETO	462			
N2D138N	USCITA DATI 10CANBIO ROTAZ. RULLO DIAM.	343			

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USER'S NO.	DEVICE CODE	9	23/45	PAGE
	CONTENTS	RAW VATORE		700
	DRAWING NO.	35-80777001-1		

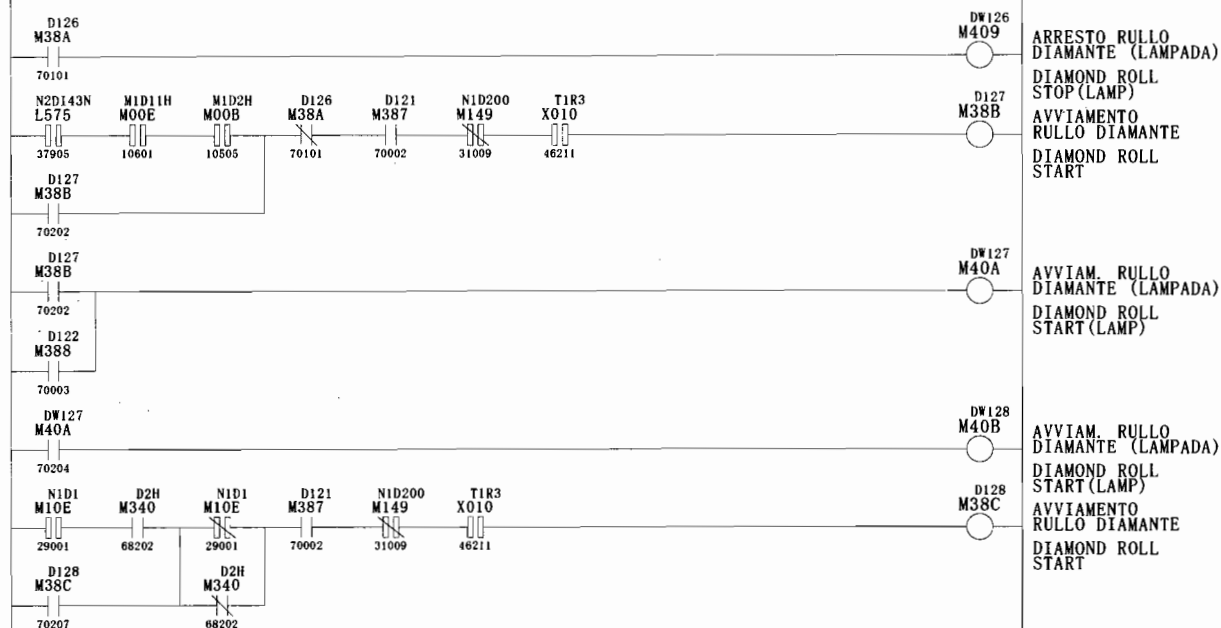
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AV.
RULLO DIAM.
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DIAMOND ROLL

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N2D143N	SEGNALE INTER. 43AVVIO RILLO DIAMANTE	379			
MID11H	ATTIVA	106			
MID2H	MANUAL (INIZIO EST.)	105			
NID200	PROGRAMMA CN IN CORSO	310			
TIR3	SERVO ONCOMPLETO	462			
NID1	OFF FINTO	290			

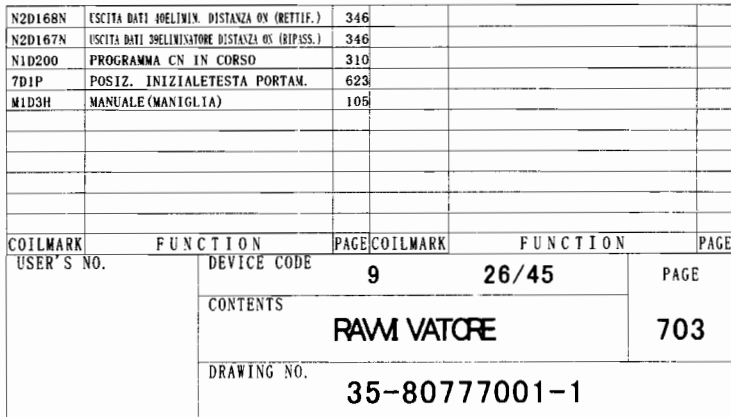
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USER'S NO.	DEVICE CODE	9	25/45		PAGE
	CONTENTS	RAWI VATORE			702
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DRAWING NO. : 35-80777001

OUTPUT: 06/01/25

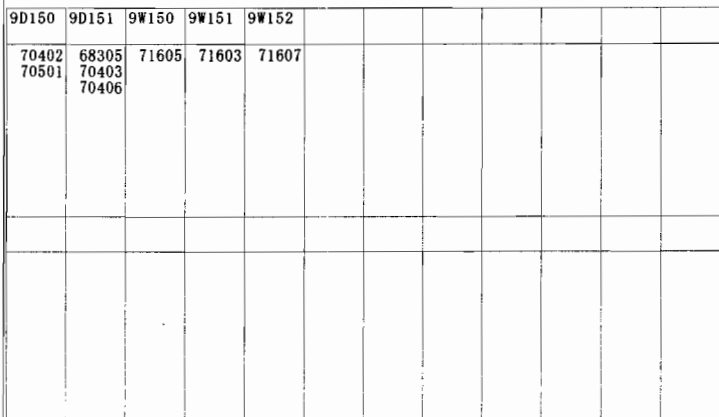
UPDATE: 05/10/04



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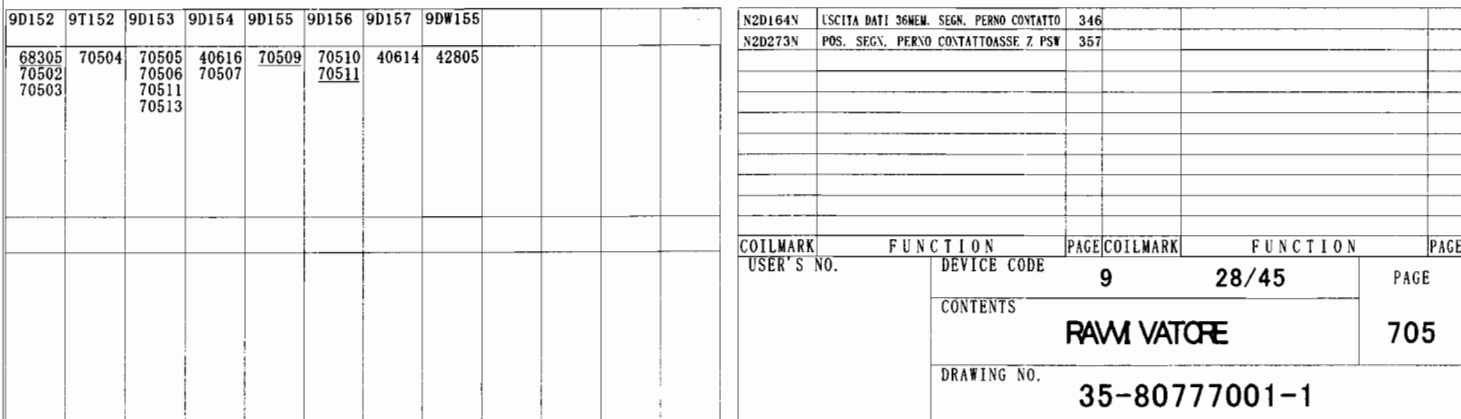
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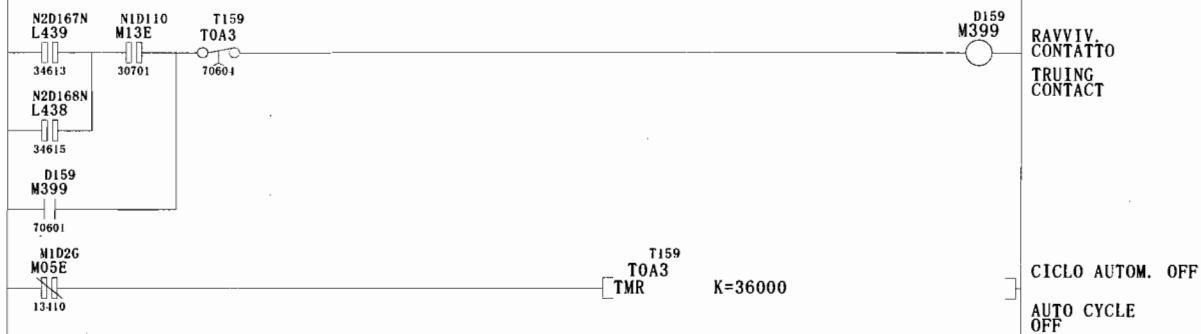
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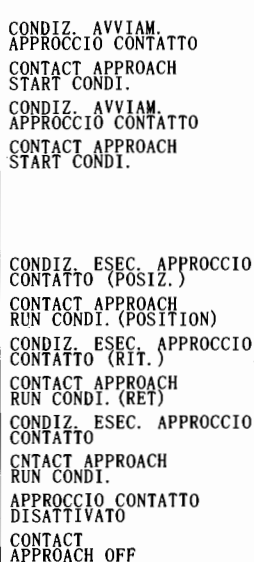
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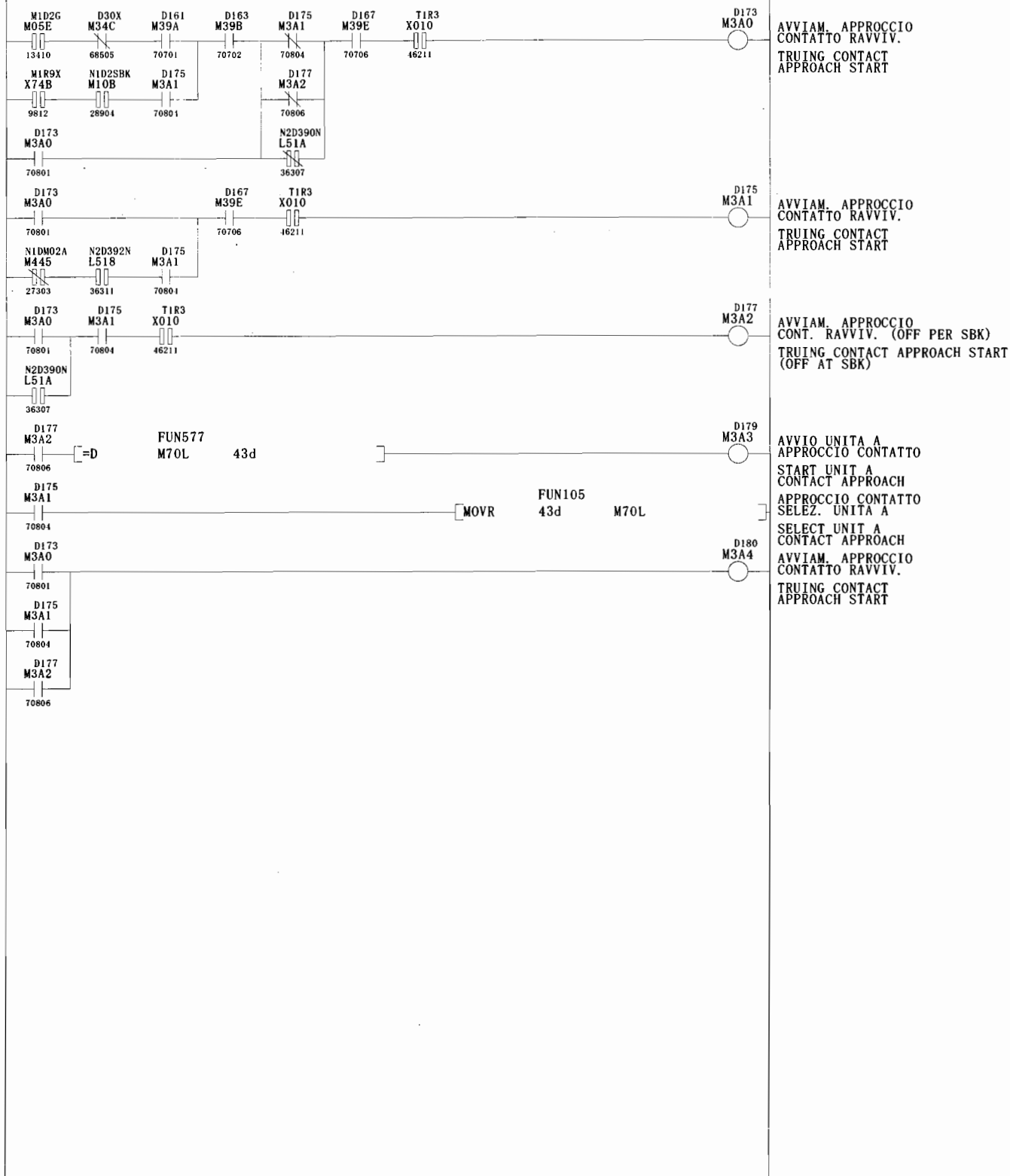
N2D167N	USCITA DATI PRELIMINATORE DISTANZA ON (RIPASS.)	346
N1D110	PROGRAMMA UNITA A IN CORSO	307
N2D168N	USCITA DATI AGELOWIN. DISTANZA ON (RETTIF.)	346
MID2G	CICLO AUTOM.	134
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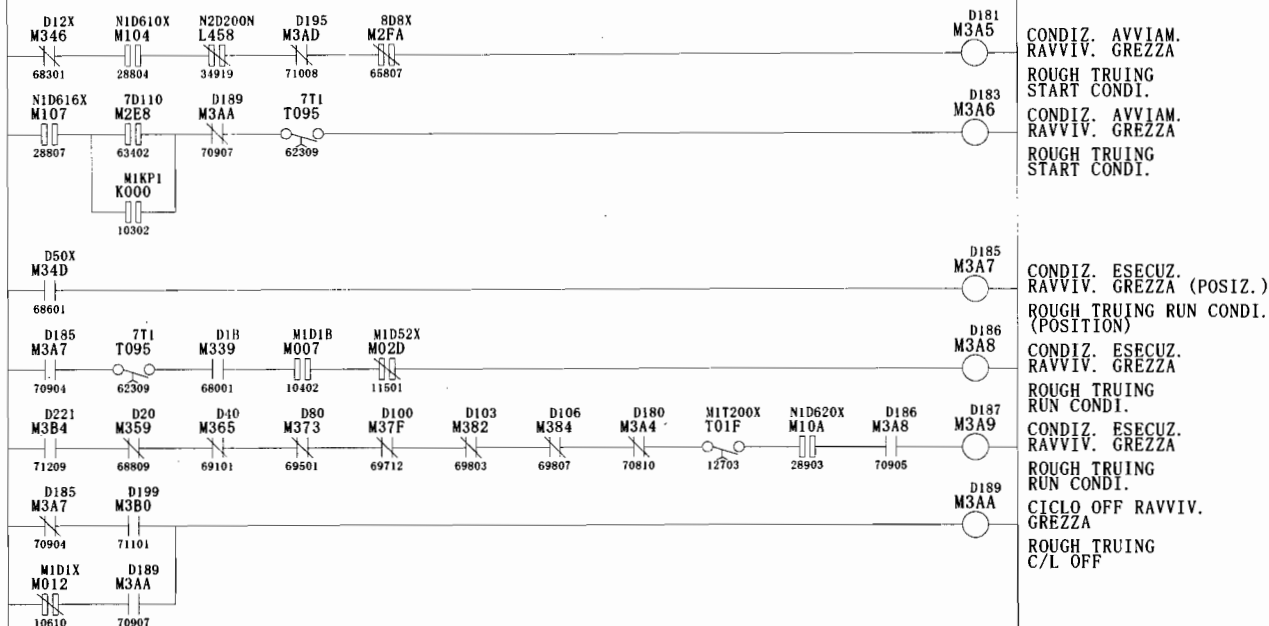


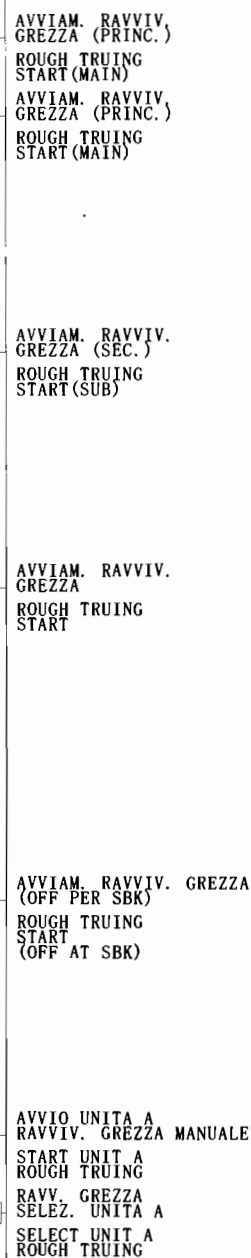
N1D610X	COND. AVVIO EST. A(ALL' AVVIO)	288	N1D620X	COND. ESEC. AVVIO EST.	289
6D10P	POSIZ. ORIG. TAVOLA	582	7D10I	ROTAZIONE 1MANDRINO PORTAM.	632
7D2P	POS. RETTIFICATESTA PORTAM.	623	M1D1X	RESET ERRORI	106
N1D616X	COND. AVVIO EST. A(OGNI AVVIO)	288			
7D110	RISCALDAMENTOCOMPLETATO	634			
7T1	ROTAZIONEMANDRINO PORTAM.	623			
M1KP1	PARAMETRO 1CICLO RISC. NON BLOCCO	103			
N1DK7	CAMBIO MOLA POS. MEMORIACOMPLET.	305			
M1D1B	RITORNO	104			
M1D52X	GUASTO (ARRESTO CICLO)	115			
M1T200X	SELEZ. PEZZO COMPLETA	127			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE

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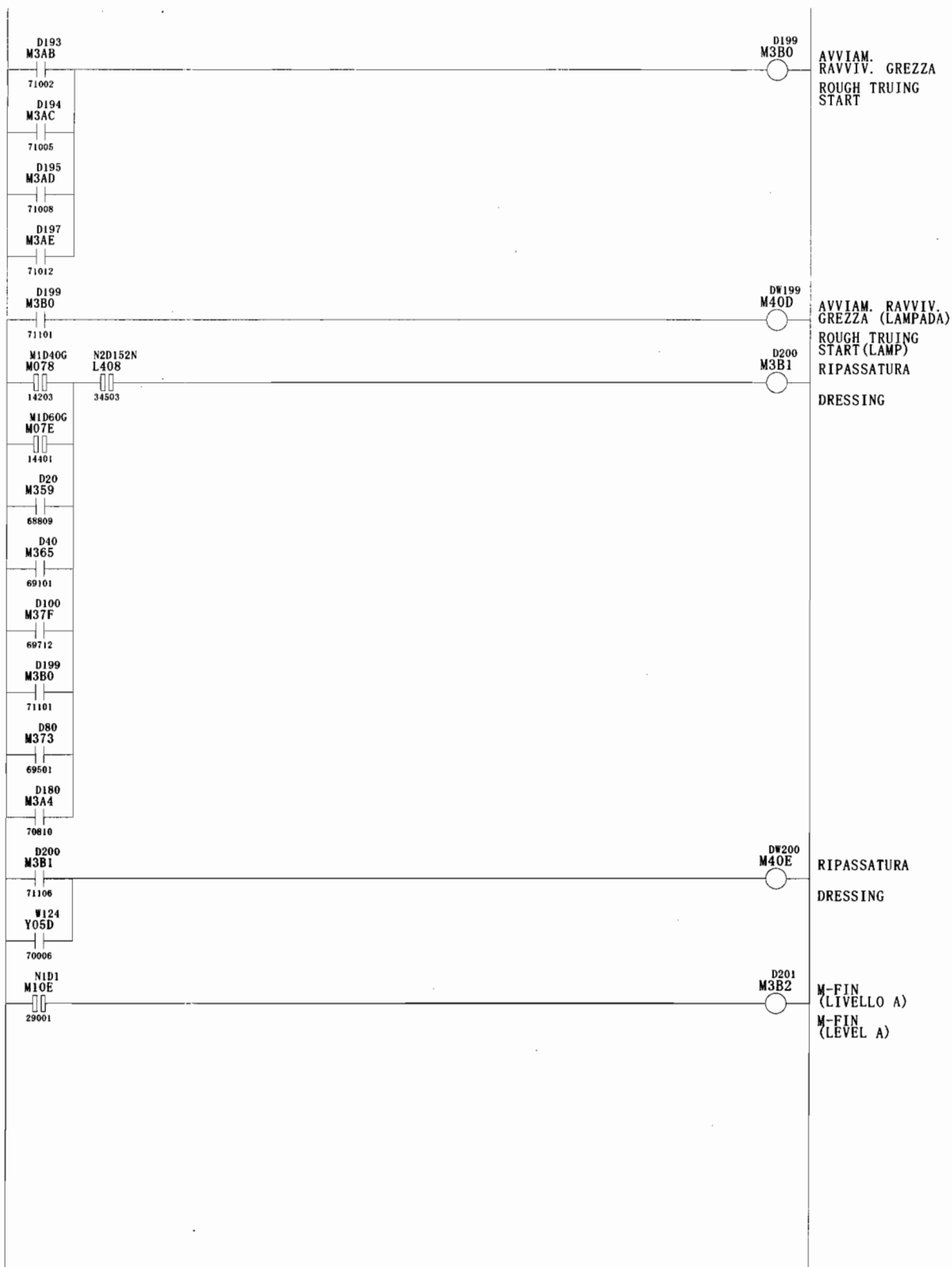
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N2D149N	SEGNALE INTERR. 48AVVIO R1PASS. AUTOM. GREZZA	379	N2D392N	ESECUZ. AUTOM. UNITA A	363
M1D11H	ATTIVA	106			
M1D2H	MANUAL (INIZIO EST.)	105			
M1R9X	AVVIO BLOCCO SINGOLO	98			
N1D2SBK	CONTR. DIS. PLS. BLOCCO SING. (UNITA A)	289			
T1R3	SERVO ONCOMPLETO	462			
T1R51P	BLOCCAGGIO ANTERIOREDI MACCHINA	468			
T1D41	COND. ESEC. APERTURA SPORT.	493			
N2D390N	AVVIO ESEC. AUTOM. UNITA A	363			
N1D1	OFF FINTO	290			
N1DM02A	FINE ARRESTOCODICE M UNITA A	273			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
USER'S NO.	DEVICE CODE	9	33/45	PAGE	
	CONTENTS	RAW VATORE			710
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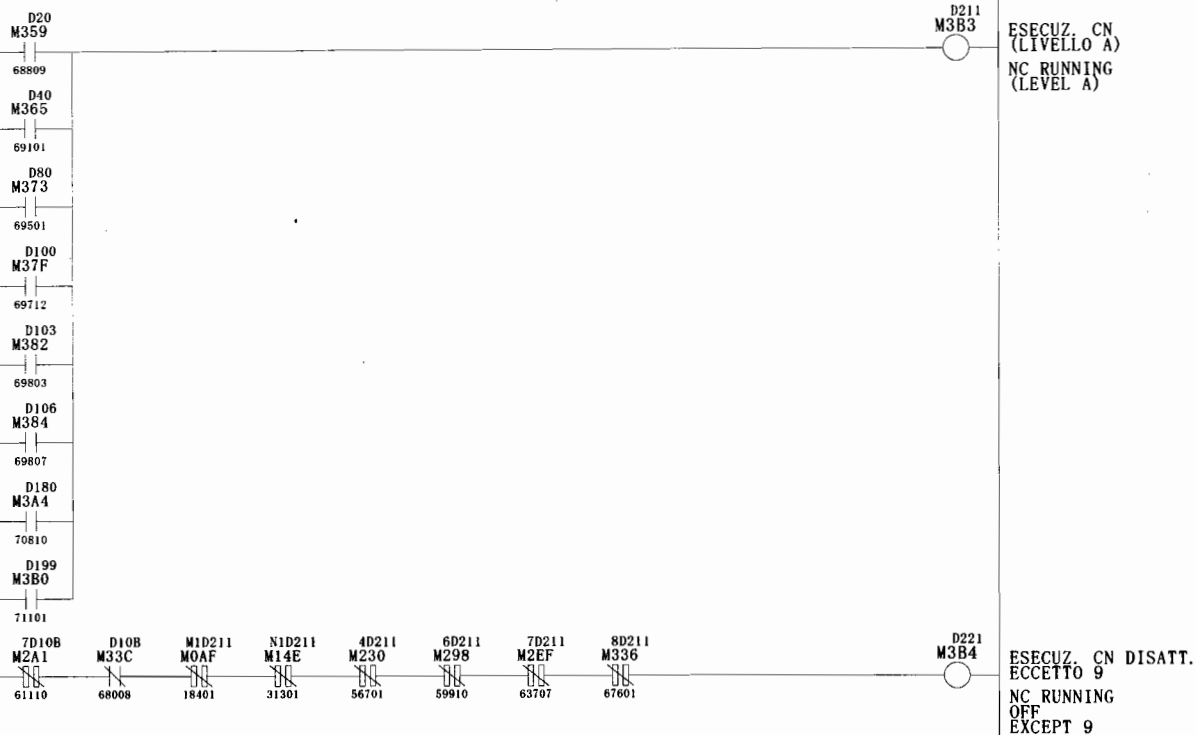
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M1D40G	CICLO NC	142			
N2D152N	USCITA DATI 24RIPASS.	345			
M1D60G	CICLO PROVA CN	144			
N1D1	OFF FINTO	290			
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
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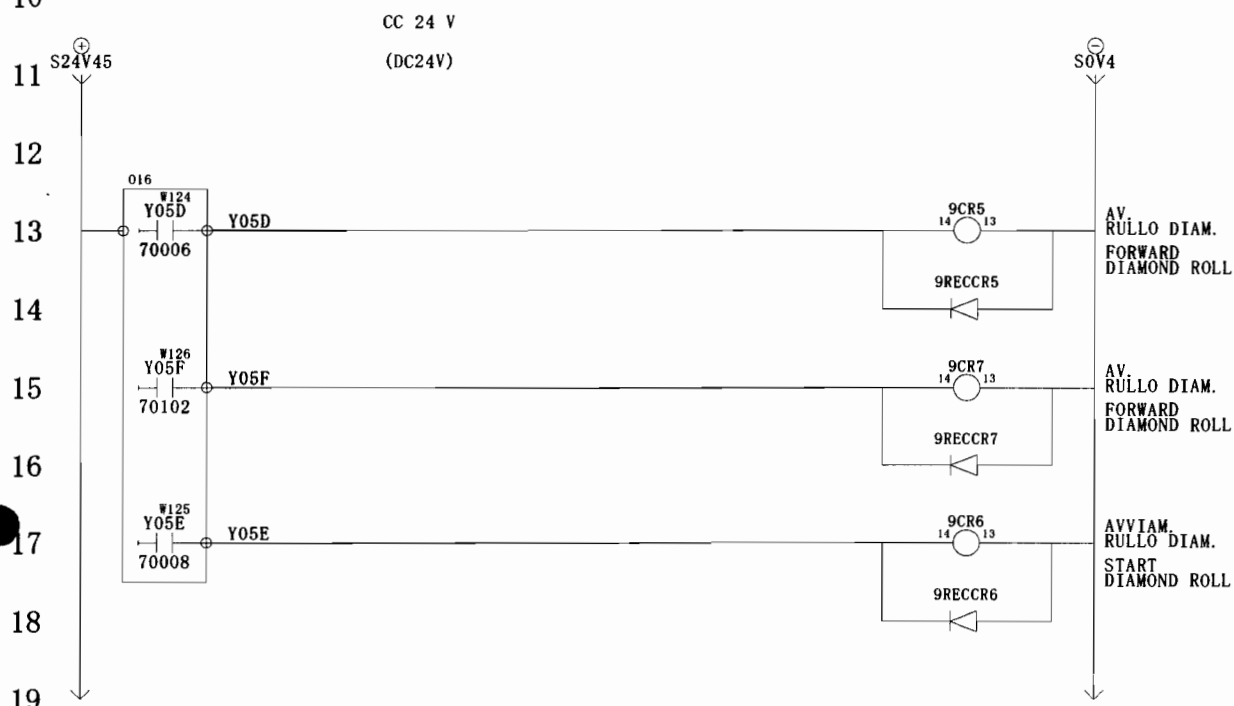
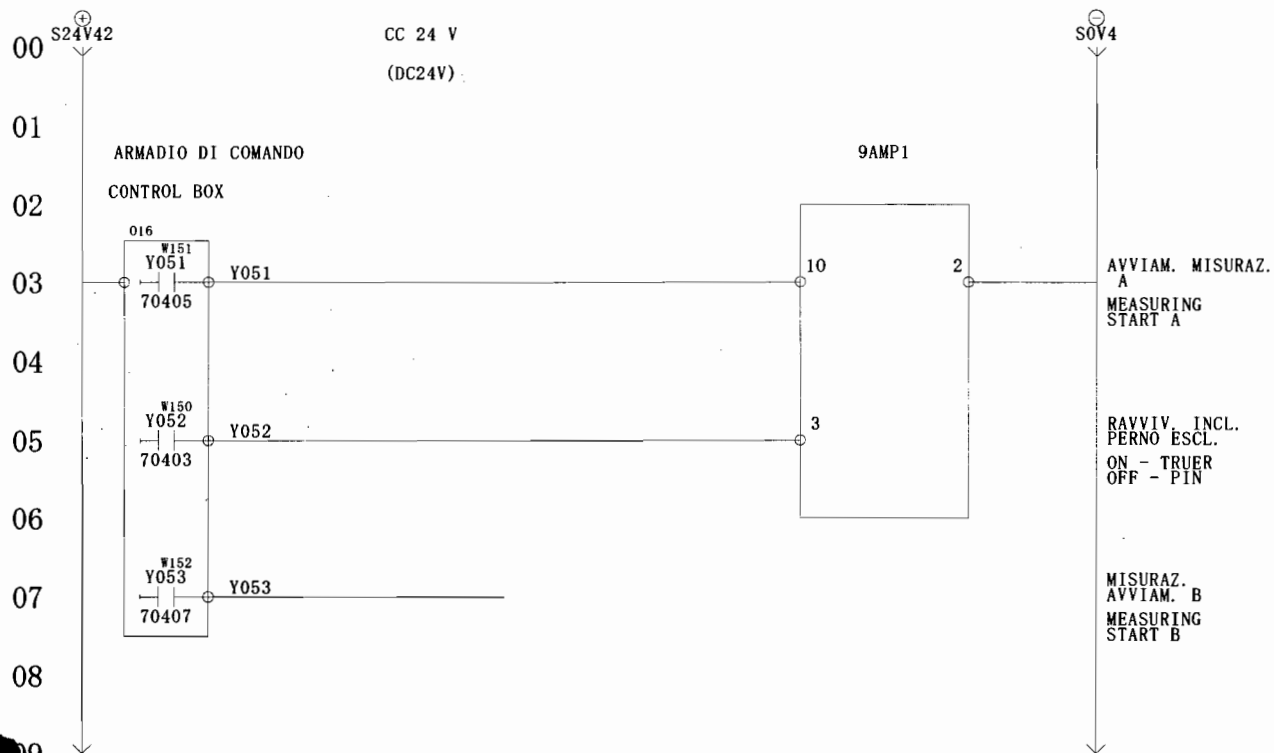
7D10B	CICLO RITORNO	611
MID211	ESECUZIONE CN ATTORNO W1(LIVELLO A)	184
NID211	CN IN CORSO ATTORNO N1 (LIV. A)	313
4D211	ESECUZIONE CN ATTORNO 4(LIVELLO A)	567
6D211	ESECUZIONE CN ATTORNO 6(LIVELLO A)	599
7D211	ESECUT. CN(LIVELLO A)	637
8D211	ESECUT. CN(LIVELLO A)	676

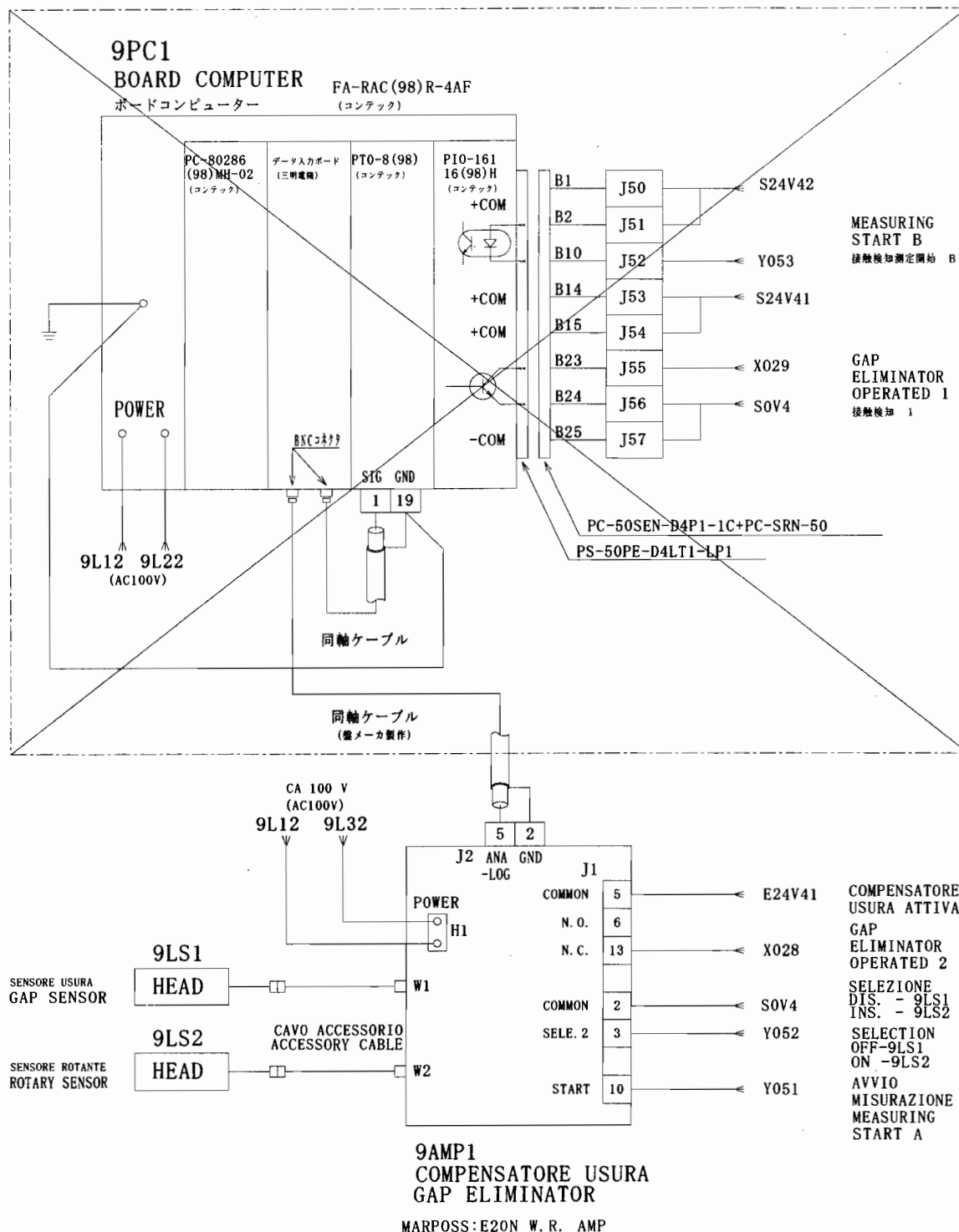
COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
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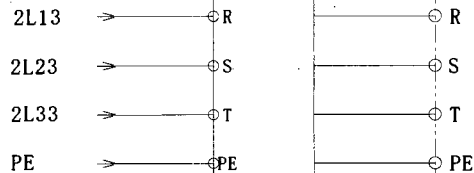
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USER'S NO.	DEVICE CODE	9 40/45	PAGE
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TENSIONE NOMINALE
TRIFASE CA 380 V
RATED VOLTAGE
THREE PHASE AC380V

CA 380 V
(AC380V)



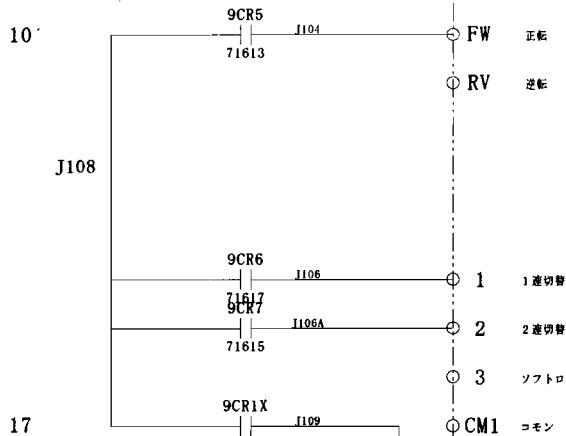
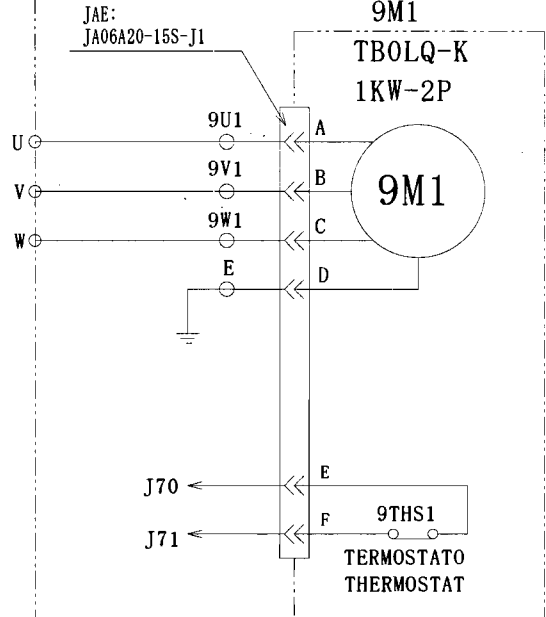
FILTRO RUMORI
NOISE FILTER
FFJ100-HB6

9INV1
INVERTITORE
RULLO DIAMANTATO
DIAMOND ROLL
INVERTER
HITACHI
J100-015HFE5
(1.5KW)

RULLO DIAMANTATO
DIAMOND ROLL
9M1

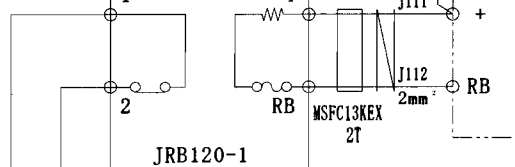
TB0LQ-K
1KW-2P

9M1



RESISTORE FRENATURA
BRAKING RESISTOR

9RC1



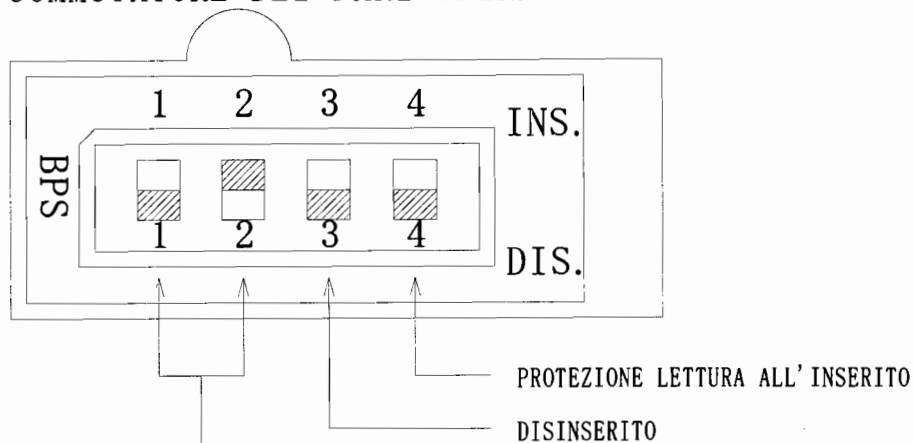
SURRISCALDAMENTO
UNITA' RESISTENZA
RESI. UNIT
OVERHEAT

ATTENZIONE CAUTION

1 SIMBOLI INDICANO UN CORDONE ELETTRICO BIPOLARE. MARKS MEAN TWIST PAIR

USER'S NO.	DEVICE CODE	9 41/45	PAGE
	CONTENTS	RAWI VATORE	718
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COMMUTATORE DEI FARI OPERATORE AD DISTANZA



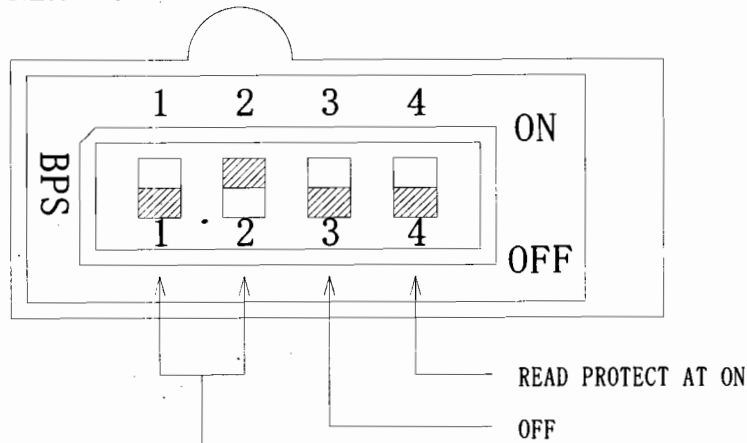
COMMUTATORE	1	2
TIPO		
J100 VWA	DIS.	INS.
VWE VWF VWS3A VWG3	INS.	DIS.

MODALITA MONITOR

	NOME FUNZIONE	
1	IMPOSTAZIONE FREQUENZA ED FREQUENZA IN USCITA	
2	IMPOSTAZIONE VELOCITA MULTIFASE E FREQUENZA IN USCITA	
3	IMPOSTAZIONE TEMPO DI ACCELERAZIONE	
4	IMPOSTAZIONE TEMPO DI ACCELERAZIONE IN 2 FASI	
5	IMPOSTAZIONE TEMPO DI DECELERAZIONE IN 2 FASI	
6	COMANDO IMPOSTAZIONE FREQUENZA	
7	METODO COMANDO FUNZIONAMENTO	
8	VISUALIZZAZIONE VELOCITA GIRI	
9	VISUALIZZAZIONE CORRENTE IN USCITA	
10	VISUALIZZAZIONE TENSIONE CC	
11	REGOLAZIONE AUMENTO COPPIA MANUALE	
12	REGOLAZIONE GUADAGNO TENSIONE IN USCITA	
13	REGOLAZIONE MISURATORE ANALOGICO	
14	VISUALIZZAZIONE ANOMALIA	
15	MONITOR STORIA DISINNESTO	

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REMORT OPERATER DIP SWITCH



SWITH TYPE	1	2
J100 VWA	OFF	ON
VWE VWF VWS3A VWG3	ON	OFF

MONITOR MODE

	FUNCTION NAME	
1	Frequency setting and output frequency	
2	Multistage speed setting and output frequency	
3	Acceleration time setting	
4	2-stage acceleration time setting	
5	2-stage deceleration time setting	
6	Frequency setting command	
7	Operation command method	
8	Revolution speed display	
9	Output current display	
10	DC voltage display	
11	Manual torque boost adjustment	
12	Output voltage gain adjustment	
13	Analog meter adjustment	
14	Failure display	
15	Trip history monitor	

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ELENCO PARAMETRI INVERTITORE (J100)

N. SELEZIONE (F-)	NOME FUNZIONE	IMPOSTAZIONE
00	IMPOSTAZIONE MODELLO V/F	VF-VC 417-417
01	REGOLAZIONE DI FREQUENZA MASSIMA	0
02	REGOLAZIONE FREQUENZA DI AVVIAMENTO	0.5
03	IMPOSTAZIONE LIMITATORE FREQUENZA MASSIMA (HZ)	388
04	IMPOSTAZIONE LIMITATORE FREQUENZA MINIMA (HZ)	0
05	PRIMA IMPOSTAZIONE VELOCITA' MULTIFASE (HZ)	388
06	SECONDA IMPOSTAZIONE VELOCITA' MULTIFASE (HZ)	0
07	TERZA IMPOSTAZIONE VELOCITA' MULTIFASE (HZ)	0
08	QUARTA IMPOSTAZIONE VELOCITA' MULTIFASE (HZ)	0
09	QUINTA IMPOSTAZIONE VELOCITA' MULTIFASE (HZ)	0
10	SESTA IMPOSTAZIONE VELOCITA' MULTIFASE (HZ)	0
11	SETTIMA IMPOSTAZIONE VELOCITA' MULTIFASE (HZ)	0
12	REGOLAZIONE FREQUENZA DI FRENATURA CC (HZ)	0.5
13	REGOLAZIONE FORZA DI FRENATURA CC	10
14	REGOLAZIONE TEMPO DI FRENATURA CC (S)	1
15	REGOLAZIONE LIVELLO TERMICO ELETTRONICO (%)	90
16	SELEZIONE ACCELERAZIONE (LINEARE, CURVA S)	LINEARE
17	SELEZIONE DECELERAZIONE (LINEARE, CURVA S)	LINEARE
18	AVVIO IMPOSTAZIONE FREQUENZA ESTERNA (HZ)	0

N. SELEZIONE (F-)	NOME FUNZIONE	IMPOSTAZIONE
19	FINE IMPOSTAZIONE FREQUENZA ESTERNA (HZ)	0
20	SELEZIONE INTERRUTTORE 1	DCB ON
21	SELEZIONE INTERRUTTORE 2	DB EDG
22	SELEZIONE INTERRUTTORE 3	SOFT FREE
23	SELEZIONE INTERRUTTORE 4	CUR
24	SELEZIONE INTERRUTTORE 5	AVR-VFF
25	IMPOSTAZIONE COSTANTE LIMITATORE SOVRACCARICO (%)	150%01.0
26	IMPOSTAZIONE TEMPO DI SOTTOTENSIONE CONSENTITO (S)	1.0
27	IMPOSTAZIONE SOTTOTENSIONE DOPO TEMPO DI ATTESA(S)	10.0
28	IMPOSTAZIONE RAPPORTO UTILIZZO FRENATURA DINAMICA (%)	5.0
29	IMPOSTAZIONE ARRIVO FREQUENZA (%)	100
30	IMPOSTAZIONE FREQUENZA CARRELLO (KHZ)	16
31	IMPOSTAZIONE TENSIONE DI ENTRATA (V)	200
32	SELEZIONE TENSIONE AVR PER DECELERAZIONE	200
33	SELEZIONE DATI	00
38	TERMINALE DI ENTRATA 3	SFT

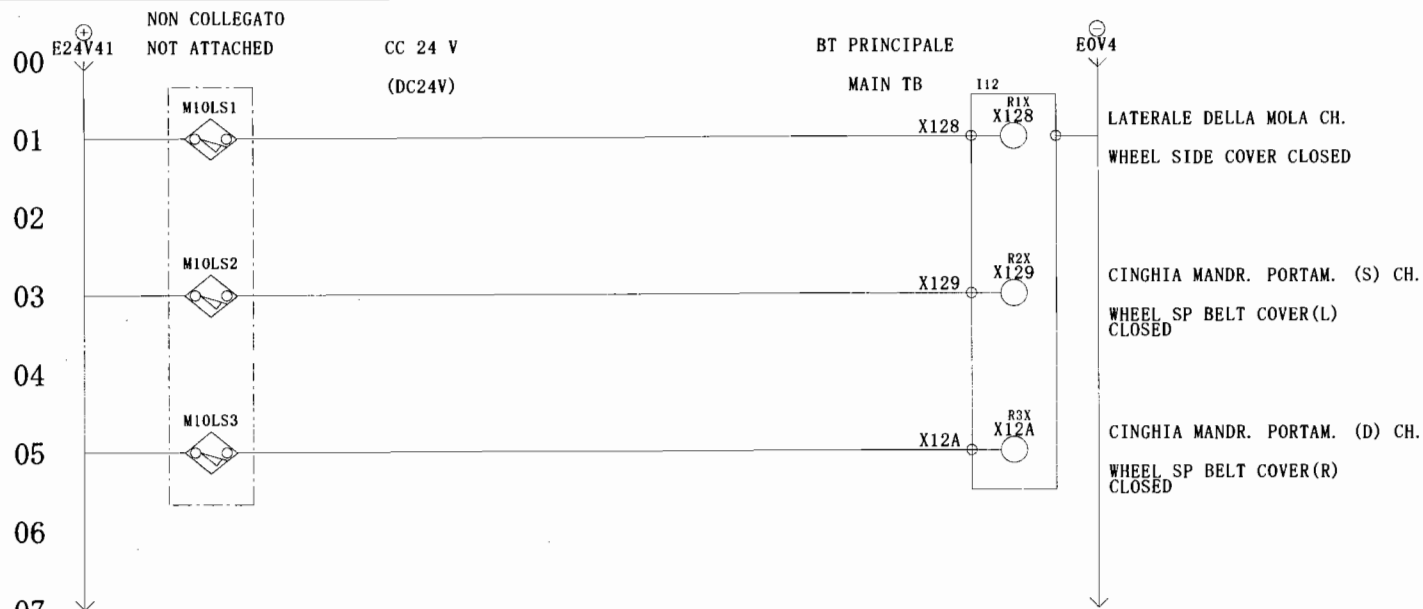
USER'S NO.	DEVICE CODE 9 44/45	PAGE
	CONTENTS RAWI VATORE	721
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INVERTER(J100) PARAMETER LIST

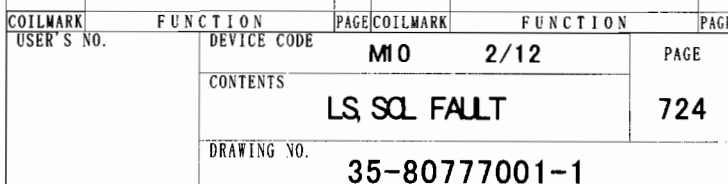
SELECT NO. (F-)	FUNCTION NAME	SETTING
00	V/F pattern setting	VF-VC 417-417
01	Maximum frequency adjustment (Hz)	0
02	Start frequency adjustment (Hz)	0.5
03	Maximum frequency limiter setting (Hz)	388
04	Minimum frequency limiter setting (Hz)	0
05	Multistage-speed first speed setting (Hz)	388
06	Multistage-speed second speed setting (Hz)	0
07	Multistage-speed third speed setting (Hz)	0
08	Multistage-speed fourth speed setting (Hz)	0
09	Multistage-speed fifth speed setting (Hz)	0
10	Multistage-speed sixth speed setting (Hz)	0
11	Multistage-speed seventh speed setting (Hz)	0
12	DC braking frequency adjustment (Hz)	0.5
13	DC braking force adjustment	10
14	DC braking time adjustment (S)	1
15	Electronic thermal level adjustment (%)	90
16	Acceleration selection (Linear, S-curve)	Linear
17	Deceleration selection (Linear, S-curve)	Linear
18	Extenal frequency setting start (Hz)	0

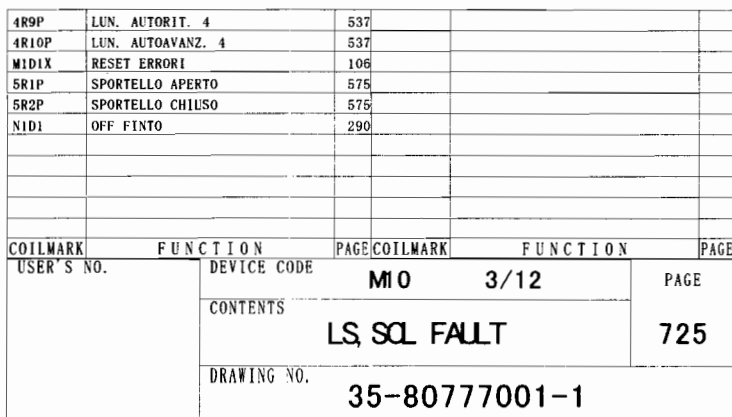
SELECT NO. (F-)	FUNCTION NAME	SETTING
19	Extenal frequency setting end (Hz)	0
20	Switch selection 1	DCB ON
21	Switch selection 2	DB EDG
22	Switch selection 3	SOFT FREE
23	Switch selection 4	CUR
24	Switch selection 5	AVR-VFF
25	Overload limiter constant setting (%)	150%01.0
26	Allowable undervoltage time setting (S)	1.0
27	Standby time after undervoltage setting (S)	10.0
28	Dynamic braking usage ratio setting (%)	5.0
29	Frequency arrival setting (%)	100
30	Carrier frequency setting (kHz)	16
31	Input voltage setting (V)	200
32	AVR voltage selection for deceleration	200
33	Data selection	00
38	Input terminal 3	SFT

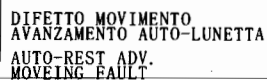
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COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
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	CONTENTS	LS SOL FAULT		723	
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COILMARK	FUNCTION	PAGE	COILMARK	FUNCTION	PAGE
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	CONTENTS	LS, SQL FAULT			726
	DRAWING NO.	35-80777001-1			

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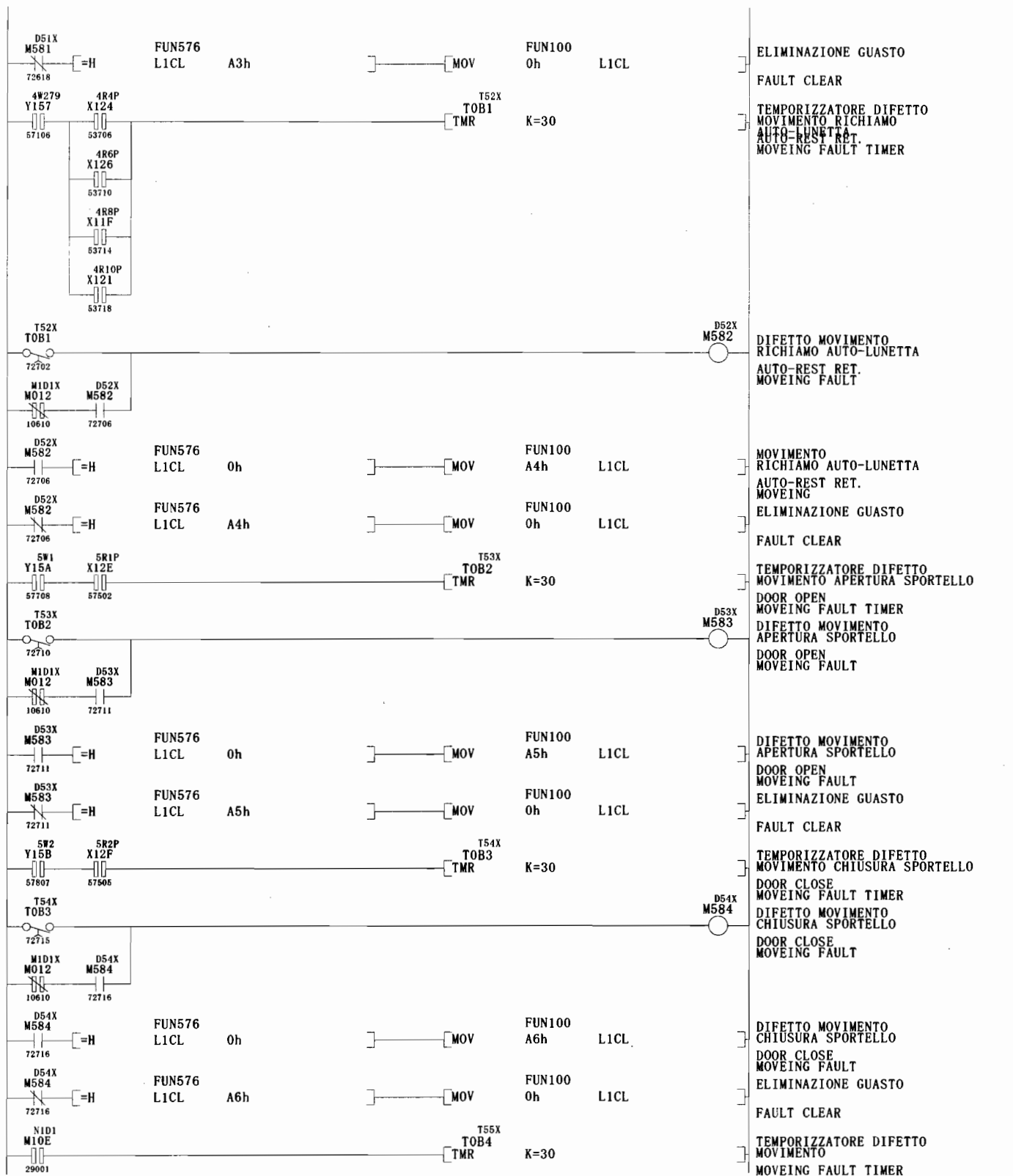
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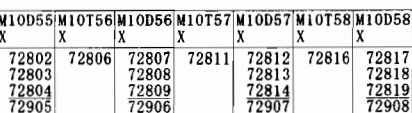
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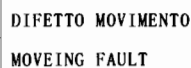
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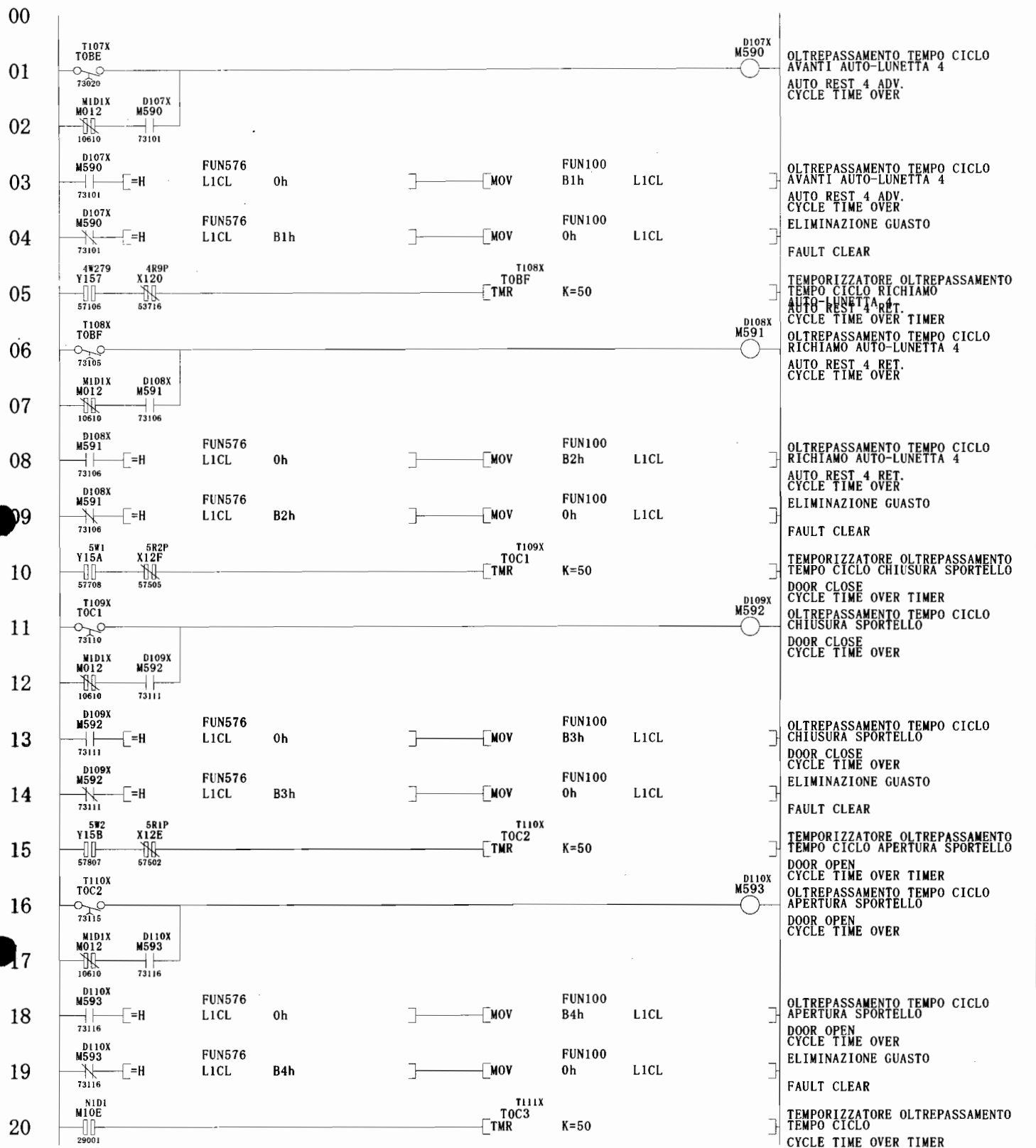
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TOYODA MACHINE WORKS. LTD.



4W265	LUN. AUTOM. AVANZ. (DESTRA)	570			
4R4P	LUN. AUTOAVANZ. 1 (DESTRA)	537			
WIDIX	RESET ERRORI	106			
4W279	LUN. AUTOM. RIT. (DESTRA)	571			
4R3P	LUN. AUTORIT. 1 (DESTRA)	537			
4R6P	LUN. AUTOAVANZ. 2 (SIN.)	537			

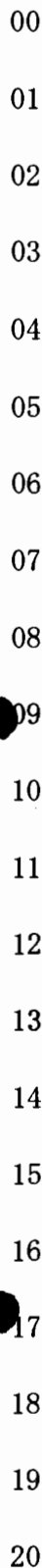


M10D10 7X	M10T10 8X	M10D10 8X	M10T10 9X	M10D10 9X	M10T10 OX	M10D11 OX	M10T11 IX
73102	73106	73107	73111	73112	73116	73117	73201
73103		73108		73113		73118	
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5W1	CHIUSURA SPORTELLLO	577
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MS99

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END

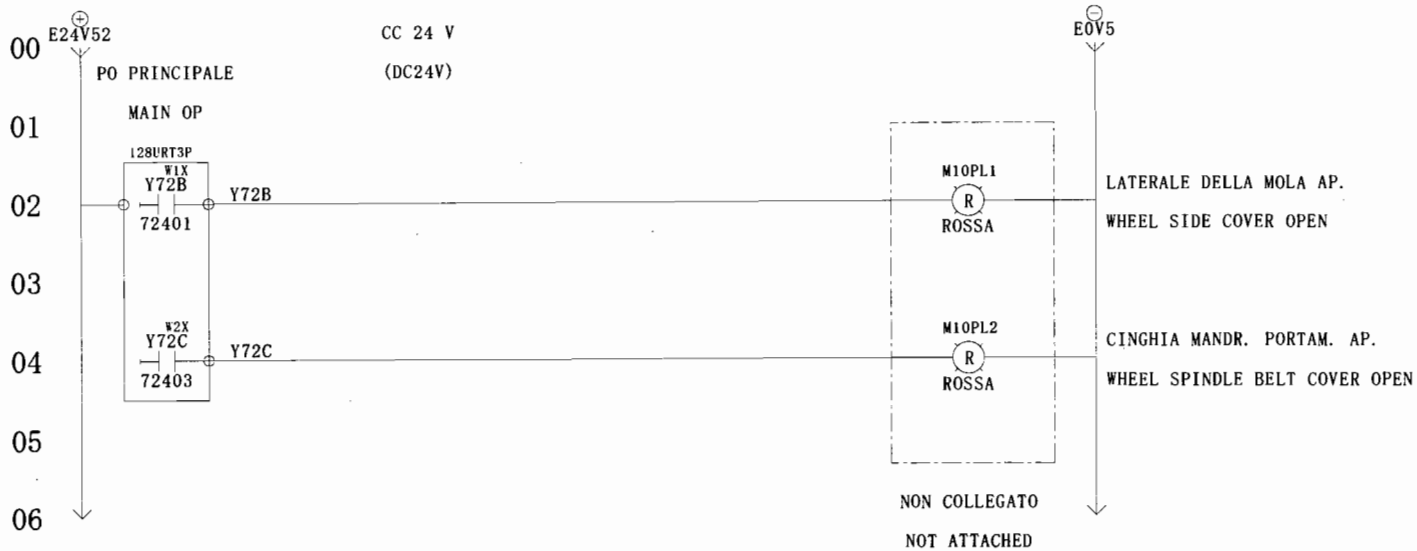
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FUN456

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X000	MIPB10	MIR5X	100	X010	TICR40	TIR3	462	X020	7CR2	7R2	606	Y040			7W107	633		
	ALZAMENTO DEFETTO COMMUNICAZIONE PLC PLC COMMUNICATION FAULT RESET/PLC BATTERY CONFIRMATION				SERVO ONCOMPLETO SERVO ONCOMPLETE				POMPAOLIO CUSC. ON BERG.OILPUMP ON				POMPA RAFFRED.MANDR. PORTAM. WHEEL SP INDLECOOLING PUMP					
X001		MIR15X	100	X011		TIR4P	462	X021	9CR1X	9R30X	679	Y041			7CR40	7W101	632	
	CICLO CONTINUOSENZA CARICO CONTINUOUSCYCLEWITHOUT LOAD				BLOCCO SPORTELOANTERIORE FRONT DOORLOCK ON				SURISC. UNITA RESIST. DISC.ING. INVENTITORE NULO DIAM. DIAMOND ROLL INVERTERRESIN.DISC.RESL.UNIT OVERHEAT				MANDR. PORTAM. IN ROTAZ. WHEEL SPINDLE ROTATING					
X002		MIR21X	100	X012		TIR9P	462	X022		9R31X	679	Y042			7CR15	7W22	627	
	UNITA DI REFRIG. NORMALE COOLING UNITNORMAL				BLOCCO SPORTELOSIN. BANCALE BEDLEFT COVER LOCK ON				SURRISC. MOTORERULLO DIAMANTE DIAMOND ROLLMOTOR OVERHEAT				TACHIMETRO ON TACHO METER ON					
X003		NIR1	268	X013		TIR11X	463	X023		9R26X	679	Y043			7CR41	7W388	639	
	SERVOPRONTO SERVO READY				SOVRACCARICOPOMPA OLIO IDR. HYD.OIL PUMPOVERLOAD				INVERTITORE NORAL INVERTER NORAL				SOSTITUZ. BOBINADI INVERTITORE INVERTER COIL CHANGE					
X004		NIR2	268	X014		TIR12X	463	X024		9R27X	679	Y044			7CR42	7W60X	621	
	DISATTIVAZ. SERVOMECCAN. (CONTATTO PRINC. OFF) SERVOPOWER OFF(MAIN CONTACT OFF)				SOVRACCARICOPOMPA OLIO LUBR. LUBE.OIL PUMPOVERLOAD				ARRIVO VELOCITA SPEED ARRIVAL				RESET INVERTITORE INVERTER RESET					
X005		TIR1E	461	X015		TIR13X	463	X025		7R13X	606	Y045			MICR1X	M1W150	194	
	ARRESTEMERGENZA (PULS.) EMERGENCYSTOP (P.B)				SOVRACCARICOPOMPAOLIO LUBR. (RAVV. NEBBIA OLIO) LUBE.OIL PUMPOVERLOAD(TRYING MIST OIL)				SOVRACC. POMPA RAFFR.MANDR. PORTAMOLA WHEEL SPINDLE COOLING PUMPOVERLOAD				MODALITA AUTOSPARMIO ENERGETICO OFF POWER SAVINGAUTOMODE OFF					
X006		TICR30	TIR5	461	X016	T2TR1	T2R19X	507	X026		TIR15X	463	Y046			MICR10X	M1W10X	107
	SPOSTAM. MANUALE MANUAL MOVEMENT				TEMPORIZZATORE PERPROTEZIONE MOLA CBN TIMER FOR CBNWHEEL PROTECT				SOVRACCARICOPOMPA OLIO LUBR. (NEBBIA OLIO LUBR. AUTOM.) LUBE OIL PUMP OVER LOAD(AUTO REST MIST OIL)				PROVA LAMPADA LAMP TEST					
X007		TICR1X	TIR1X	461	X017	T2R20X	507	X027		TIPB10	TIR17X	463						
	POMPE AVVIAM. START PUMPS				SOVRACCARICOPOMPA REFRIG. COOLANTPUMP OVERLOAD				POMPA LUBRIF. ON LUBRICANTPUMP ON									
X008		TIMS1	TIR2M	461	X018	7CR1X	7R1X	604	X028		9R2P	678						
	MOTOREPOMPA IDR. HYD PUMPMOTOR				PRESS. OLIO CUSC. AVV. MANDR. PORTAM. WHEEL SPINDLE STAT BEARINGSOIL PRESSURE				ELIMINATORE DISTANZAOPER. 2 GAP ELIMINATOROPERATED 2						TICR1E	T1W1X	471	
X009		TICR3X	TIR3E	461	X019	7CR2X	7R11X	604	X029		9R1P	678	Y049			ARRESTOEMERGENZA EMERGENCYSTOP		
	CIRCUITO COMANDINORMALE CONTROLCIRCUIT NORMAL				SOVRACC. MOTOREMANDR. PORTAM. WHEEL SPINDLE MOTOROVERLOAD				ELIMINATORE DISTANZAOPER. 1 GAP ELIMINATOROPERATED 1						T2CR10	T2W41	515	
X00A		TICR4X	TIR4E	461	X01A	7R2X	604	X02A		7R50X	605	Y04A			CONSERV. TEMPREFRIG. COOLANT TEMP. HOLD			
	RUTTORE MOTORENORMALE MOTOR BREAKERNORMAL				SOVRACC. ALIMENT. RAPIDAMANDRINO PORTAM. WHEEL SPINDLE RAPID FEEDOVER LOAD				INV. NORMALEMANDR. PORTAM. WHEEL SPINDLE INV. NORMAL						TICR50	T1W20	488	
X00B		MIR30X	100	X01B		7R3X	604	X02B		7R51X	605	Y04B			POMPA ON PUMP ON			
	NORMALE TEMP. SCATOLA COMANDI CONTROL BOX TEMP. NORMAL				SOVRACC. ALIM. RETTIFICAMANDRINO PORTAM. WHEEL SPINDLE GRINDING FEEDOVER LOAD				SEGNALEVELOCITA ZERO ZERO SPEED SIGNAL									
								X02C		7R52X	605	Y04C			POMPA IDR. ON HYD PUMP ON			
X00D		MOCR21	TIR1	462						7R57X	605	Y04D			TIW6	488		
	ATTIVAZIONECONTROLLO CONTROLPOWER ON							X02D							POMPALUBRIFICAZIONE LUBRICANTPUMP			
X00E		TICR1	TIR4	462				X02E		7R58X	605	Y04E			TIW9	490		
	POMPE AVVIAM. 1 START PUMPS 1														POMPA LUBR. (RAVVIV. NEBBIA OLIO) LUBRICANTPUMP(TRYING MIST OIL)			
X00F		TICR4	TIR2	462	X01F	7R12X	606	X02F		7R59X	605	Y04F			T2W8	514		
	POMPE AVVIAM. 1 START PUMPS 2				SOVRACCARICOPOMPA OLIO CUSC. BERG.OIL PUMPOVERLOAD				TEMP. MANDR. PORTAM. USCITA AUS. 1 WHEEL SPINDLE TEMP. AUX. OUTPUT 1				POMPA REFRIG. ON COOLANT PUMPON					

				Y070		M4W1	258	X100	TIPS1	TIR21X	464						
					CICLO CONT. MACCHINA MACHINE CONTINUOUS CYCLE				PRESSIONE ARIA AIR PRESSURE								
Y051		9W151	704	Y071		M4W2	258	X101	TIPS5	TIR22X	465	X111			TIR51P	468	
	AVVIAM. MISURAZ. A MEASURINGSTART A				ARRESTO MACC. GUASTO GENER. MACHINE STOPPED GENERICFAILURE				PRESSIONE LUBRIF. (UNITA POMPA) LUBRICATION PRESSURE (PUMP UNIT)							BLOCCAGGIO ANTERIORE DI MACCHINA FRONT DOORSTOPPER IN	
Y052		9W150	704	Y072		M4W3	258	X102	TIPS3	TIR23X	464	X112			TIR52P	468	
	RAVVIV. INCL. PERNO ESCL. ON - TRUEOFF - PIN				ARRESTO MACCHINAPER ESECUZIONE DISPOSITO MACHINE STOPPED TO CARRYOUT LOADING				PRESSIONELUBRIF. 1(VITE) LUBRICATIONPRESSURE 1(SCREW)							BLOCCAGGIOPROTEZ. MOLA WHEEL GUARDSTOPPER IN	
Y053		9W152	704	Y073		M4W4	259	X103	TIPS4	TIR24X	465	X113			TIR61X	469	
	MISURAZ. AVVIAM. B MEASURINGSTART B				ARRESTO MACC. PERPRELIEVO IMPOSSIBILE MACHINE STOPPED FOR IMPOSSIBLEUNLOADING				PRESSIONELUBRIF. 2 (GUIDA) LUBRICATIONPRESSURE 2(SLIDE)							PREVISIONE GUASTOTEMP. OLIO IDR. HYD. OIL TEMP. FAULT FORECAST	
Y054		M1W135	157	Y074		M4W5	259	X104	TIPB15	TIR73X	465	X114			TIR62X	469	
	TORRE DI SEGNALE (ROSSO) SIGNAL TOWER (RED)				ARRESTO MACCHINA PERCAMBIO UTENSILI PROGRAMMATI MACHINE STOPPED FOR PROGRAMEDTOOL CHANGE				SBOCCAGGIO PORTE LATERALE SIDE COVER STOPPER OUT							GUASTOTEMP. OLIO IDR. HYD. OIL TEMP. FAULT	
Y055		M1W136	157	Y075		M4W6	259	X105	TIFS5	TIR43X	467	X115			TIR63X	469	
	TORRE DI SEGNALE (GIALLO) SIGNAL TOWER (YELLOW)				ARRESTO MACCHINA PER GUASTO MACHINE STOPPED FOR FAILURETO CARRY OUT				PREVIS. ASSENZANEBBIA OLIO (RAVV.) NO MIST OIL FORECAST (TRYING)							PREVISIONE GUASTOTEMP. OLIO LUBR. LUBE. OIL TEMP. FAULT FORECAST	
Y056		M1W137	157	Y076		M4W7	260	X106	TIFS5	TIR44X	467	X116			TIR64X	469	
	TORRE DI SEGNALE (VERDE) SIGNAL TOWER (GREEN)				ARRESTO NON SPECIFICATO UNSPECIFIED STOP				ASSENZANEBBIA OLIO (RAVV.) NO MIST OIL (TRYING)							GUASTOTEMP. OLIO LUBR. LUBE. OIL TEMP. FAULT	
Y057		T1W7	489	Y077		M4W8	260	X107		TIR48X	468	X117			T2PS1	T2R4X	
	POMPA LUBR. (LUN. AUTOM. NEBBIA OLIO) LUBRICANT PUMP(AUTO REST MIST OIL)				CICLO IN CORSO CYCLE IN PROGRESS				GUASTOOIL MATIC OIL MATIC FAULT							PRESSIONEREFRIG. COOLANTPRESSURE	
				Y078		M4W9	261	X108	TIPS13	TIR33X	466	X118			T2FL1	T2R6X	
					IMPULSO PER CONTEGGIOPEZZI PRODOTTI PULSE FOR COUNTINGPIECES PRODUCED				SOST. FILTRO OLIO LUBR. (TESTA PORTAM.) LUBE OIL FILTER CHANGE(WHEEL HEAD)							CONF. PER INTERRU.FLOW REFRIG (RIPASS.) CONFIR.FORCOOLANT FLOW SWITCH(DRESS)	
				Y079		M4W10	261	X109	TIPS14	TIR34X	466	X119			T2FS1	T2R3X	
					IMPULSO PER CONTEGGIOPEZZI PULSE FOR COUNTINGPIECES COUNTING				SOST. FILTRO OLIO LUBR. (TAVOLA) LUBE OIL FILTER CHANGE(TABLE)							NESSUN REFRIG. NO COOLANT	
				Y07A		M4W11	262	X10A		7R15X	606	X11A			1PS5	IR1P	
					SEGNALE T1 PER IDENTIFICAZ. TIPO PEZZO ELAB. T1 SIGNAL FOR IDENTIFICAT. OF PROCESSED PIECE TYPE				ASSENZA LIQUIDO REFRIG. MANDRINO PORTAM. NO WHEEL SPCOOLING WATER							MANDRINO RIL. UNCLAMPEDCHUCK	
				Y07B		M4W12	262	X10B	TIFS2	TIR42X	466	X11B			1PS6	IR2P	
					SEGNALE T2 PER IDENTIFICAZ. TIPO PEZZO ELAB. T2 SIGNAL FOR IDENTIFICAT. OF PROCESSED PIECE TYPE				ASSENZA OLIO IDR. NO HYD. OIL							MANDRINO AGG. CLAMPEDCHUCK	
				Y07C		M4W13	263					X11C			1LS3	IR8P	
					SEGNALE T3 PER IDENTIFICAZ. TIPO PEZZO ELAB. T3 SIGNAL FOR IDENTIFICAT. OF PROCESSED PIECE TYPE											POS12. A CENTROCONTROPUNTA FOOTSTOCKCENTER POS1. A	
Y05D		9CR5	9W124	700	Y07D		M4W14	263	X10D	TIFS4	TIR41X	467	X11D			1LS4	IR7P
	AV. RULLO DIAM. FORWARD DIAMOND ROLL				SEGNALE T4 PER IDENTIFICAZ. TIPO PEZZO ELAB. T4 SIGNAL FOR IDENTIFICAT. OF PROCESSED PIECE TYPE				ASSENZA OLIO LUBR. NO LUBE. OIL							POS12. B CENTROCONTROPUNTA FOOTSTOCKCENTER POS1. B	
Y05E		9CR6	9W125	700	Y07E		M4W15	264	X10E	TIFS6	TIR45X	468	X11E			4LS7	4R7P
	AVVIAM. RULLO DIAM. START DIAMOND ROLL				SEGNALE PARITA T5 PERSEGNALI T1-T4 T5 PARITY SIGNAL FORTI-T4 SIGNALS				PREVIS. ASSENZA NEBBIAOLIO (LUN. AUTOM) NO MIST OILFORECAST(AUTO REST)							LUN. AUTORIT. 3 AUTO-REST RET' D 3	
Y05F		9CR7	9W126	701				X10F	TIFS6	TIR46X	468	X11F			4LS8	4R8P	
	AV. RULLO DIAM. FORWARD DIAMOND ROLL								ASSENZA NEBBIAOLIO (LUN. AUTOM) NO MIST OIL(AUTO REST)							LUN. AUTOAVANZ. 3 AUTO-REST ADV. D 3	

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X120	4LS9	4R9P	537	X130		7R60X	610	Y140	TISOL1	T1W19	491					
	LUN. AUTORIT. 4 AUTO-REST RET'D 4				VIBRAZ. MANDRINO PORTAM. WHEEL SP. VIBARATION				NEBBIA ON MIST ON							
X121	4LS10	4R10P	537	X131		7FS2	7R22X	607	Y141	TISOL11	T1W43	493				
	LUN. AUTOAVANZ. 4 AUTO-REST ADV'D 4				ASSENZAOLIO CUSC. NO BERG. OIL			SBLOCCAGGIOSPORTELLO OUTDOOR STOPPER								
X122	4LS1X	4R1P	537	X132		7PS2	7R23X	607	Y142		T1W44	493				
	CONFERMA ROTAZ. MANDRINO PORTAP. WORK SPINDLEROTATING CONFIRM				SOSTITUZ. FILTROOLIO CUSCIN. BERG. OILFILTER CHANGE			SPORTELLO CHIUSO DOOR CLOSE								
X123	4LS3	4R3P	537						Y143		T1W45	493				
	LUN. AUTORIT. 1 (DESTRA) AUTO-RESTRET'D 1 (RIGHT)						SPORTELLO APERTO DOOR OPEN									
X124	4LS4	4R4P	537	X134		7FL1	7R33X	608	Y144	TISOL12	T1W53	495	Y154	ISOL5	1W15	526
	LUN. AUTOAVANZ. 1 (DESTRA) AUTO-RESTADV'D 1 (RIGHT)				CONFER. PER FLUSSO REFRIG. MANDRINO PORTAM. CONFIR. FOR WHEEL SP. COOLING WATER FLOW			BLOCCAGGIOSPORT. LATERALE SIDE COVER STOPPER						AGG. MANDRINO CLAMP CHUCK		
X125	4LS5	4R5P	537	X135			7R35X	608	Y145		T1W54	495	Y155	ISOL6	1W19	527
	LUN. AUTORIT. 2 (SIN.) AUTO-RESTRET'D 2 (LEFT)				PREVIS. GUASTO TEMP. OLIO CUSC. BERG. OILTEMP. FAULT FORECAST			SPORTELLO CHIUSO DOOR CLOSE						RIL. MANDRINO UNCLAMP CHUCK		
X126	4LS6	4R6P	537	X136			7R36X	608	Y146		T1W55	495	Y156	4SOL3	4W265	570
	LUN. AUTOAVANZ. 2 (SIN.) AUTO-RESTADV'D 2 (LEFT)				GUASTO TEMP. OLIO CUSC. BERG. OILTEMP. FAULT			SPORTELLO APERTO DOOR OPEN						LUN. AUTOM. AVANZ. (DESTRA) ADV. AUTO REST (RIGHT)		
X127	4PS1	4R1X	538	X137			6R16P	581	Y147	T2SOL1	T2W9	514	Y157	4SOL4	4W279	571
	PRESS. OLIO LUBR. TESTA PORTAP. WORK HEAD LUB. OIL PRESSURE				POSIZIONE IMPOSTAZIONE TAVOLA TABLE SET UP POSI.			REFRIG. ON COOLANT ON						LUN. AUTOM. RIT. (DESTRA) RET. AUTO REST (RIGHT)		
X128	M1OLS1	M1OR1X	723						Y148	T2SOL2	T2W10	514				
	LATERALE DELLA MOLA CH. WHEEL SIDE COVER CLOSED						REFR. ON MOLA (RAFFRED. NUCLEO) WHEELCOOLANT ON (CORE COOLING)									
X129	M1OLS2	M1OR2X	723						Y149	4SOL1	4W195	564				
	CINGHIA MANDR. PORTAM. (S) CH. WHEEL SP BELT COVER (L) CLOSED						LUBRIF. ON (PER MANDRINO PORTAP.) LUBICATION ON (FOR WORK SPINDLE)									
X12A	M1OLS3	M1OR3X	723										Y15A	5SOL1	5W1	577
	CINGHIA MANDR. PORTAM. (D) CH. WHEEL SP BELT COVER (R) CLOSED											CHIUSURA SPORTELLO CLOSE DOOR				
				X13B	M1LS10W	M1R10W	100	Y14B	T2SOL3	T2W9A	514	Y15B	5SOL2	5W2	578	
					CONFERMA PRESENZA PEZZO WORK PRESENCE CONF.				SOST. QUANTITA REFRIG. COOLANT AMOUNT CHENGE					APERTURA SPORTELLO OPEN DOOR		
				X13C	TIPS7	T1R27X	466	Y14C	ISOL1	1W155	534	Y15C	5SOL3	5W3	578	
					SPURGO ARIAMANDRINO PORTAM. WHEEL SP. AIR PARGE				OLIO LUBR. CENTROCONTROPUNTA ON FOOTSTOCK CENTER LUB. OIL ON					ARRESTO SPORTELLO (SPONAT. ABILITATO) STOP DOOR (MOVING ENABLE)		
									Y14D	7SOL1	7W109	633				
										RAFFR. MOTOREMANDR. PORTAM. WHEEL SPINDLE MOTOR COOLING						
X12E	5LS1	5R1P	575	X13E	M1LS1W	M1R1W	100	Y14E	TISOL4	T1W67	496					
	SPORTELLO APERTO DOOR OPENED				CONFERMA PRESENZA PEZZO WORK PRESENCE CONF.				SOFFIATA ARIAREFRIG. COOLANTAIR BLOW							
X12F	5LS2	5R2P	575					Y14F	T2SOL4	T2W54X	511					
	SPORTELLO CHIUSO DOOR CLOSED						REFRIG. LAVAGGIO BANCALE RED. WASHINGCOOLANT									

X160		T2R01	508	X170		M2R1	199	X180		M2R17	200	Y190		M2W1	211
	0.1°C				AUSILIARI INS.			TIPO PEZZO 32					RISERVATO		
	0.1°C				CONTROL CIRCUIT ON			WORK TYPE 32					SPARE		
X161		T2R02	508	X171		M2R2	199	X181		M2R18	200	Y191		M2W2	211
	0.2°C				AVVIO CICLO AUTO			CONTROLLO PARITA					CICLO AUTO SISTEMA		
	0.2°C				AUTO CYCLE STARTING			PARITY CHECK					SYSTEM AUTOCYCLE		
X162		T2R04	508	X172		M2R3	199	X182		M2R19	200	Y192		M2W3	212
	0.4°C				RISERVATO			RISERVATO					RICHIESTA TIPO PEZZO		
	0.4°C				SPARE			SPARE					REQUEST WORK TYPE		
X163		T2R08	508	X173		M2R4	199	X183		M2R20	200	Y193		M2W6	213
	0.8°C				PROGRESSO PRELIEVO			RISERVATO					M2LS11		
	0.8°C				UNLOADING PREGRESS			SPARE					UP DOOR CLOSE		
X164		T2R1	508	X174		M2R5	199	X184		M2R21	201	Y194		M2W9	213
	1°C				RISERVATO			RISERVATO							
	1°C				SPARE			SPARE							
X165		T2R2	508	X175		M2R6	199	X185		M2R22	201	Y195		M2W10	213
	2°C				CAMBIO TIPO PEZZO			RISERVATO					M2LS11		
	2°C				WORK TYPE EXCHANGE			SPARE					UP DOOR CLOSED		
X166		T2R4	508	X176		M2R7	199	X186		M2R23	201	Y196		M2W12	213
	4°C				RISERVATO			RISERVATO							
	4°C				LOADING PROGRESS			SPARE							
X167		T2R8	508	X177		M2R8	199	X187		M2R24	201	Y197		M2W13	213
	8°C				POS. NON INTERF. DEPOSITO			RISERVATO							
	8°C				LOADING NON-INTERFERENCE POSITION			SPARE					RISERVATO		
X168		T2R10	508	X178		M2R9	199	X188		M2R25	201	Y198		M2W14	213
	10°C				STROBE			RISERVATO					RISERVATO		
	10°C				STOROB			SPARE					SPARE		
X169		T2R20	508	X179		M2R10	199	X189		M2R26	201	Y199		M2W15	214
	20°C				RISERVATO			RISERVATO							
	20°C				SPARE			SPARE					LOADER NO USE		
X16A		T2R40	508	X17A		M2R11	200	X18A		M2R27	201	Y19A		M2W16	214
	40°C				POS. NON INTERF. CARICATORE			RISERVATO							
	40°C				LOADER NON-INTERFERENCE POSITION			SPARE					L/D MOVING OK TO M/C		
X16B		T2R80	508	X17B		M2R12	200	X18B		M2R28	201	Y19B		M2W17	214
	80°C				TIPO PEZZO 1			RISERVATO					RISERVATO		
	80°C				WORK TYPE 1			SPARE					SPARE		
				X17C		M2R13	200	X18C		M2R29	201	Y19C		M2W18	214
					TIPO PEZZO 2			OK TO FRONT DOOR OPEN					RISERVATO		
					WORK TYPE 2								SPARE		
				X17D		M2R14	200	X18D		M2R30	201	Y19D		M2W150	236
					TIPO PEZZO 4			RISERVATO							
					WORK TYPE 4			SPARE					TIPO PEZZO OK		
X16E		T2R19UN	508	X17E		M2R15	200	X18E		M2R31	202	Y19E		M2W152	236
	ESECUZ. UNITA TEMP.				TIPO PEZZO 8			RISERVATO					PRELIEVO PERCAMBIO TIPO		
	TEMP. UNIT RUNNING				WORK TYPE 8			SPARE					UNLOADING FORSET UP CHANGE		
				X17F		M2R16	200	X18F		M2R32	202	Y19F		M2W154	237
					TIPO PEZZO 16			RISERVATO					CONSENSO AL PRELIEVO		
					WORK TYPE 16			SPARE					UNLOADING OK		

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Y1A0	M2W156	237	Y700	M1C01	M1W39X	112	Y710	M2W100	225	Y720	M2PL10	M2W300	242
	CONSENSO AL DEPOSITO LOADING OK			CONTATORE PEZZI PARTS COUNTER				1 DISPLAY LE 1 DISPLAY LE				TIPO PEZZO OK WORK TYPE OK	
Y1A1	M2W160	238	Y701	M1PL2	M1W25	147	Y711	M2W101	225	Y721	M2PL11	M2W301	242
	PRELIEVO SENZA DEPOSITO UNLOADING WITHOUT LOADING			IN CORSO RUNNING				1 DISPLAY B1 1 DISPLAY B1				SISTEMA MANUALECAMBIO TIPO SYSTEM MANUAL SET UPCHANGE	
Y1A2	M2W400	249	Y702	M1PL3	M1W55X	116	Y712	M2W102	225	Y722	M2PL13	M2W302	242
	RISERVATO SPARE			ALLARME MACCHINA M/C FAULT				1 DISPLAY 8 1 DISPLAY 8				RICHIESTA TIPO REQUEST TYPE	
Y1A3	M2W401	249					Y713	M2W103	226	Y723	M2PL14	M2W303	243
	RISERVATO SPARE							1 DISPLAY 4 1 DISPLAY 4				CONSENSO AL PRELIEVO UNLOADING OK	
Y1A4	M2W403	249					Y714	M2W104	226	Y724	M2PL15	M2W304	243
	PEZZO N. 1 WORK TYPE 1							1 DISPLAY 2 1 DISPLAY 2				CONSENSO AL DEPOSITO LOADING OK	
Y1A5	M2W404	249					Y715	M2W105	227	Y725	M2PL16	M2W305	241
	PEZZO N. 2 WORK TYPE 2							1 DISPLAY 1 1 DISPLAY 1				DAT1 STROBE DATA READING OK	
Y1A6	M2W405	249					Y716	M2W106	227	Y726	M2PL17	M2W305A	243
	PEZZO N. 4 WORK TYPE 4							1 DISPLAY DP 1 DISPLAY DP				DAT1 ALLARME DATA ALARM	
Y1A7	M2W406	249	Y707	M1PL1	M1W280	189	Y717	M2W110	228	Y727	M2PL18	M2W306	241
	PEZZO N. 8 WORK TYPE 8			CAMBIO TIPO IN CORSO SET UP CHANGE RUNNING				10 DISPLAY LE 10 DISPLAY LE				AVVIO PRELIEVO START UNLOADING	
Y1A8	M2W407	249	Y708	7PL1	7W160	636	Y718	M2W111	228	Y728	M2PL19	M2W307	241
	PEZZO N. 16 WORK TYPE 16			MANDR. PORTAM. IN ROTAZ. WHEEL SPINDLEROTATING				10 DISPLAY B1 10 DISPLAY B1				AVVIO DEPOSITO START LOADING	
Y1A9	M2W408	249	Y709	M1PL4	M1W1G	134	Y719	M2W112	228	Y729	5PL1	5W3P	576
	PEZZO N. 32 WORK TYPE 32			IN MARCIA CONTINUA CONT. RUNNING				10 DISPLAY 8 10 DISPLAY 8				ANTERIORE DI MACCHINA APERTO FRONT DOOR OPEN	
Y1AA	M2W409	249					Y71A	M2W113	229	Y72A	5PL2	5W5P	576
	PARITA PARITY CHECK							10 DISPLAY 4 10 DISPLAY 4				SBLOCCAGGIO LATERALE SIN. SIDE DOOR OPEN	
Y1AB	M2W410	250					Y71B	M2W114	229	Y72B	M10PL1	M10W1X	724
	RISERVATO SPARE							10 DISPLAY 2 10 DISPLAY 2				LATERALE DELLA MOLA AP. WHEEL SIDE COVER OPEN	
Y1AC	M2W411	250	Y70C	M1PL5	M1W286	190	Y71C	M2W115	230	Y72C	M10PL2	M10W2X	724
	RISERVATO SPARE			CAMBIO TIPO ESEGUITO SET UP CHANGE COMPLETE				10 DISPLAY 1 10 DISPLAY 1				CINGHIA MANDR. PORTAM. AP. WHEEL SPINDLE BELT COVER OPEN	
Y1AD	M2W412	250					Y71D	M2W116	230				
	DOOR INTERLOCK OFF							10 DISPLAY DP 10 DISPLAY DP					

X740	M1PB1	M1R1B	97	X750	NISS1	N1RSBK1	269	X760	NISS5	N1R50X	272				
	RITORNO RETURN				BLOCCO SINGOLOON SINGLE BLOCKON				M. P. GMOLTIPLICARE X1 M. P. GMULTIPLY X1						
X741	MISS1	M1R1A	97	X751	N1PB1	N1R1X	269	X761	NISS5	N1R51X	272				
	AUTO AUTO				RESET CN NC RESET				M. P. GMOLTIPLICARE X10 M. P. GMULTIPLY X10						
X742	MISS1	M1R1H	97	X752		N1R5X	269	X762	NISS5	N1R52X	272				
	MANUALE MANUAL				1 MECCAN INTERVALIM. RAPIDA RAPID FEEDOVER RIDE 1				M. P. GMOLTIPLICARE X100 M. P. GMULTIPLY X100						
X743	MISS2	M1R3A	97	X753		N1R6X	269								
	MEMORIA MODALITANC NC MODEMEMORY				2 MECCAN INTERVALIM. RAPIDA RAPID FEEDOVER RIDE 2										
X744	MISS2	M1R1MD	97	X754		N1R7X	269								
	M. D. I MODALITA NC NC MODE M. D. I				3 MECCAN INTERVALIM. RAPIDA RAPID FEEDOVER RIDE 3										
X745	M1PB12	M1R13X	98	X755		N1R8X	269								
	RESET MEMORIA COMPONENTE RESET MEMORY COMPONENT				4 MECCAN INTERVALIM. RAPIDA RAPID FEEDOVER RIDE 4										
X746	MISS3	M1R1T	98	X756	M1PB8	M1R16X	99	X766	T2SS1	T2R1X	506				
	ATTIVAZIONE CICLO PROVA TEST CYCLE ON				CAMBIO TIPOCARICATORE INS. LOADER ONSET UP CHANGE				REFRIG. ON COOLANT ON						
X747	M1PB2	M1R1ST	98	X757	MISS4	M1R10A	99	X767	7PB1	7R71X	609				
	AVVIO CICLO CYCLE START				CAMBIO TIPO AUT. CARIC. INS. LOADER ON SET UP CHANGE AUTO				AVVIA M. MANDRINO PORTAM. START WHEELSPINDLE						
X748	M1PB3	M1R2C	98	X758	MISS4	M1R10H	99	X768	7PB2	7R72C	609	X778	NISS4	N1RX1	271
	ARRESTO CICLOAUTOMATICO STOP AUTOCYCLE				CAMBIO TIPO MAN. CARC. INS. LOADER ON SET UP CHANGE MANUAL								SELEZ. ASSE X AXIS SELECT X		
X749	M1PB4	M1R1X	98	X759	MISS1	M1R1SU	97	X769	T1PB1	T1R72X	470	X779	NISS4	N1R21	271
	RESET ERRORI FAULT RESET				CAMBIO SET UP				ARRESTO EMERGENZA (PO. PRINCIP.) EMERGENCY STOP (MAIN OP.)				SELEZ. ASSE Z AXIS SELECT Z		
X74A	MISS4	M1R8X	98	X75A	M1PB13	M1R24X	99					X77A	NISS4	N1RC1	271
	USO CARICATORE LOADER USE				RITORNO T. P. M DOOR INTERLOCK OFF								SELEZ. ASSE C AXIS SELECT C		
X74B	M1PB11	M1R9X	98	X75B	MISS1	M1R2A	97					X77B	NISS4	N1RY1	271
	AVVIO BLOCCO SINGOLO START SINGLE BLOCK				SINGOLO SEMI AUTO								SELEZ. ASSE 'Y AXIS SELECT 'Y		
X74C	M1PB5	M1R10X	98	X75C	NISS3	N1RPT1	270					X77C	NISS4	N1RB1	271
	PROVA LAMPADA LAMP TEST				EDIZ. MDI INS. MDI EDIT ON								SELEZ. ASSE B AXIS SELECT B		
X74D	M1PB6	M1R11X	99	X75D	M1PB9	M1R22X	99					X77D	NISS4	N1RX2	271
	ATTIVA ACTIVATE				CAMBIO TIPO CARICATORE DIS. LOADER OFF SET UP CHANGE								SELEZ. ASSE 'X AXIS SELECT 'X		
X74E	M1PB7	M1R12X	99	X75E	MISS5	M1R23X	99					X77E	NISS4	N1R22	271
	INVERSO REVERSE				ATTIV. SELEZ. PEZZICARICATORE DIS. LOADER OFF PART SE4LECT ON								SELEZ. ASSE 'Z AXIS SELECT 'Z		
X74F	M1R10ST	99													
	AVVIO CICLORISCALDAMENTO WARMING UP CYCLE START														

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K000	PARAMETRO 1 CICLO RISC. NON BLOCCO PARAMETER 1 WARM UP CYCLE NOINTERLOCK	MIKP1 103	K010	IMP. SELEZ. PARTI 11 PARTS SELECT 11 SET	MIK171 181	K020	MEMORIA POSIZ. IMP. DIAM. DIAMANTE POST. MEMORY DIAMOND DIA. SET	NIK5 304	K030		
K001	PARAMETRO 2 POMPA DI REFRIG. MOLA PARAMETER 2 WHEEL COOLING PUMP	MIKP2 103	K011	IMP. SELEZ. PARTI 12 PARTS SELECT 12 SET	MIK172 181	K021	IMP. CONFERMA INSER. PERNO COMANDO SET DRIVE PININSERT CONFIRM.	4K2 557	K031		
K002	PARAMETRO 3 GUASTO TRASD. MANDRINO PORTAP. PARAMETER 3 WORK SP. ENCODER FAULT	MIKP3 103	K012	IMP. SELEZ. PARTI 13 PARTS SELECT 13 SET	MIK173 181	K022	RETTIFICA. COMPLETATA GRINDING COMPLETE	7K1 627	K032		
K003	PARAMETRO 4 PARAMETER 4	MIKP4 103	K013	IMP. SELEZ. PARTI 14 PARTS SELECT 14 SET	MIK174 181	K023	IMPOST. COMPLETAM. RIPASSATURA GREZZA ROUGH DRESS COMPLETE SET	9K1 691	K033		
K004	PARAMETRO 5 MEMORIA POSIZIONE AUTOM. PARAMETER 5 AUTO POSITION MEMORY	MIKP5 103	K014	IMP. SELEZ. PARTI 15 PARTS SELECT 15 SET	MIK175 181	K024			K034		
K005	IMP. CAMP. COMPLET. (SENZA DISPOSITIVO DI BLOCCO) SAMPLING COMPLETE SET (NOT INTERLOCK)	MIK100 155	K015	IMP. SELEZ. PARTI 16 PARTS SELECT 16 SET	MIK176 182	K025			K035		
K006	IMP. SELEZ. PARTI 1 PARTS SELECT 1 SET	MIK161 179	K016	IMP. SELEZ. PARTI 17 PARTS SELECT 17 SET	MIK177 182	K026			K036		
K007	IMP. SELEZ. PARTI 2 PARTS SELECT 2 SET	MIK162 179	K017	IMP. SELEZ. PARTI 18 PARTS SELECT 18 SET	MIK178 182	K027			K037		
K008	IMP. SELEZ. PARTI 3 PARTS SELECT 3 SET	MIK163 179	K018	IMP. SELEZ. PARTI 19 PARTS SELECT 19 SET	MIK179 182	K028			K038		
K009	IMP. SELEZ. PARTI 4 PARTS SELECT 4 SET	MIK164 179	K019	IMP. COMPL. CAMBIO TIPO CN NC SET-UP CHANGE COMPLETE SET	MIK285 190	K029			K039		
K00A	IMP. SELEZ. PARTI 5 PARTS SELECT 5 SET	MIK165 179	K01A	IMP. PEZZO IN MACC. PART IN MACHINE SET	W2K1 214	K02A			K03A		
K00B	IMP. SELEZ. PARTI 6 PARTS SELECT 6 SET	MIK166 180	K01B	IMP. COMP. MEM. POSIZ. AUTOM. AUTO POSI. MEMORY COMPLETE SET	NIK20 294	K02B			K03B		
K00C	IMP. SELEZ. PARTI 7 PARTS SELECT 7 SET	MIK167 180	K01C	MEMORIA POSIZ. IMP. DIAM. MOLA POST. MEMORY WHEEL DIA. SET	NIK1 296	K02C			K03C		
K00D	IMP. SELEZ. PARTI 8 PARTS SELECT 8 SET	MIK168 180	K01D	MEMORIA POSIZ. IMP. POS. PEZZO POST. MEMORY WORK POSI. SET	NIK2 298	K02D			K03D		
K00E	IMP. SELEZ. PARTI 9 PARTS SELECT 9 SET	MIK169 180	K01E	MEMORIA POS. IMP. CONTATTO RAVV. POST. MEMORY TRUING CONTACT SET	NIK3 300	K02E			K03E		
K00F	IMP. SELEZ. PARTI 10 PARTS SELECT 10 SET	MIK170 180	K01F	MEMORIA POS. IMPOSTAZIONE RAVV. POST. MEMORY DRESSER SET	NIK4 302	K02F			K03F		

L000	COMANDO SEMP. EASY COMMAND	N3D32N 386	L010	MANDRINO PORTAP. SENSO ANTIORARIO WORK SP. C. C. W	N3D16N 385	L020	RIPASS. SCAVAL. 1 DRESSOVER RIDE 1	N3D64N 389	L030	1 MECCAN. INTERVALIMENTAZIONE RAPIDA RAPID FEEDOVER RIDE 1	N3D48N 387
L001			L011	MANDRINO PORTAP. SENSO ORARIO WORK SP. C. C. W	N3D15N 384	L021	RIPASS. SCAVAL. 2 DRESSOVER RIDE 2	N3D63N 389	L031	2 MECCAN. INTERVALIMENTAZIONE RAPIDA RAPID FEEDOVER RIDE 2	N3D47N 387
L002			L012	AVVIO MANDRINO PORTAP. START WORKSP.	N3D14N 384	L022	RIPASS. SCAVAL. 4 DRESSOVER RIDE 4	N3D62N 389	L032	4 MECCAN. INTERVALIMENTAZIONE RAPIDA RAPID FEEDOVER RIDE 4	N3D46N 387
L003			L013	ROTAZIONE MANDRINO PORTAP. WHEEL SP. ROTATION	N3D13N 384	L023	RIPASS. SCAVAL. 8 DRESSOVER RIDE 8	N3D61N 389	L033	8 MECCAN. INTERVALIMENTAZIONE RAPIDA RAPID FEEDOVER RIDE 8	N3D45N 387
L004			L014			L024	RIPASS. SCAVAL. 16 DRESSOVER RIDE 16	N3D60N 389	L034	16 MECCAN. INTERVALIMENTAZIONE RAPIDA RAPID FEEDOVER RIDE 16	N3D44N 387
L005			L015	ARRESTO FACOLTATIVO OPTIONAL STOP	N3D11N 384	L025	RIPASS. SCAVAL. 32 DRESSOVER RIDE 32	N3D59N 389	L035	32 MECCAN. INTERVALIMENTAZIONE RAPIDA RAPID FEEDOVER RIDE 32	N3D43N 387
L006			L016	MANT. ALIMENTAZIONE FEED HOLD	N3D10N 384	L026	RIPASS. SCAVAL. 64 DRESSOVER RIDE 64	N3D58N 389	L036	64 MECCAN. INTERVALIMENTAZIONE RAPIDA RAPID FEEDOVER RIDE 64	N3D42N 387
L007	ATTIVAZ. MDI MDI ON	N3D25N 385	L017	BLOCCO SINGOLO ON SINGLE BLOCK ON	N3D9N 384	L027	RIPASS. SCAVAL. 128 DRESSOVER RIDE 128	N3D57N 389	L037	128 MECCAN. INTERVALIMENTAZIONE RAPIDA RAPID FEEDOVER RIDE 128	N3D41N 387
L008	SIMULAZIONE SIMULATION	N3D24N 385	L018	AVVIO POMPA COMPLETATA PUMP START COMPLETE	N3D8N 383	L028	MANDRINO PORTAP. SCAVAL. 1 WORK SP. OVER RIDE 1	N3D56N 388	L038		
L009	BLOCCO MACCHINA M/C LOCK	N3D23N 385	L019	RESET CN NC RESET	N3D7N 383	L029	MANDRINO PORTAP. SCAVAL. 2 WORK SP. OVER RIDE 2	N3D55N 388	L039		
L00A	FUNZ. A VUOTO DRY PUN	N3D22N 385	L01A			L02A	MANDRINO PORTAP. SCAVAL. 4 WORK SP. OVER RIDE 4	N3D54N 388	L03A	BLOCCO CAMBIO PEZZO WORK CHANGE INTERLOCK	N3D38N 386
L00B	BLOCCO FUNZIONE AUSIL. AUX. FUNCTION LOCK	N3D21N 385	L01B	MEMORIA POS. POST. MEMORY	N3D5N 383	L02B	MANDRINO PORTAP. SCAVAL. 8 WORK SP. OVER RIDE 8	N3D53N 388	L03B	SEGNALE MACRO OFF MACRO SIGNAL OFF	N3D37N 386
L00C	ATTIVAZ. MACRO MACRO ON	N3D20N 385	L01C	MODALITA MANOPOLA HANDLE MODE	N3D4N 383	L02C	MANDRINO PORTAP. SCAVAL. 16 WORK SP. OVER RIDE 16	N3D52N 388	L03C		
L00D			L01D	MODALITA INTERMITTENZA JOG MODE	N3D3N 383	L02D	MANDRINO PORTAP. SCAVAL. 32 WORK SP. OVER RIDE 32	N3D51N 388	L03D		
L00E	MANUALE ASSOLUTO MANUAL ABSOLUTE	N3D18N 385	L01E	MODALITA MDI MDI MODE	N3D2N 383	L02E	MANDRINO PORTAP. SCAVAL. 64 WORK SP. OVER RIDE 64	N3D50N 388	L03E		
L00F	INTERR. M. P. G. M. P. G. INTERRUPT	N3D17N 385	L01F	MODALITA AUTO AUTO MODE	N3D1N 383	L02F	MANDRINO PORTAP. SCAVAL. 128 WORK SP. OVER RIDE 128	N3D49N 388	L03F	CORREZIONE STESSO PERIODO SAME PERIOD CORRECTION	N3D33N 386

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L040		L050	SELEZ. PEZZO 0 PART SELECT 0	N3D80N	392	L060		L070	
L041		L051	SELEZ. PEZZO 1 PART SELECT 1	N3D79N	392	L061	MANOPOLAMULTIPLICARE 1X10 HANDLEMULTIPLY 1X10	L071	
L042		L052	SELEZ. PEZZO 2 PART SELECT 2	N3D78N	392	L062		L072	
L043		L053	SELEZ. PEZZO 3 PART SELECT 3	N3D77N	392	L063		L073	
L044		L054	SELEZ. PEZZO 4 PART SELECT 4	N3D76N	391	L064		L074	
L045		L055	SELEZ. PEZZO 5 PART SELECT 5	N3D75N	391	L065		L075	
L046		L056	SELEZ. PEZZO 6 PART SELECT 6	N3D74N	391	L066		L076	
L047		L057	SELEZ. PEZZO 7 PART SELECT 7	N3D73N	391	L067		L077	
L048		L058	SELEZ. PEZZO 8 PART SELECT 8	N3D72N	391	L068		L078	MULTIPLICARE 1 MULTIPLY 1
L049		L059	SELEZ. PEZZO 9 PART SELECT 9	N3D71N	391	L069		L079	MULTIPLICARE 2 MULTIPLY 2
L04A		L05A	SELEZ. PEZZO00 PART SELECT00	N3D70N	391	L06A		L07A	MULTIPLICARE 4 MULTIPLY 4
L04B		L05B	SELEZ. PEZZO10 PART SELECT10	N3D69N	391	L06B		L07B	MULTIPLICARE 8 MULTIPLY 8
L04C		L05C	SELEZ. PEZZO20 PART SELECT20	N3D68N	391	L06C		L07C	MULTIPLICARE 16 MULTIPLY 16
L04D		L05D	SELEZ. PEZZO30 PART SELECT30	N3D67N	391	L06D		L07D	MULTIPLICARE 32 MULTIPLY 32
L04E		L05E				L06E		L07E	MULTIPLICARE 64 MULTIPLY 64
L04F		L05F				L06F		L07F	SELEZ. 1 (PRINC.) M.P.G MULTIPLY 128 SELECT 1 (MAIN) M.P.G MULTIPLY 128

L080	SERVOON/OFF (ASSE 'Z') SERVOON/OFF ('Z'-AXIS)	N3D160N	394	L090	RESTRIZIONECORRENTE (ASSE 'Z') CURRENTRESTRICTION (AXIS-'Z')	N3D140N	393	L0A0		L0B0	
L081	SERVOON/OFF (ASSE 'Y') SERVOON/OFF ('Y'-AXIS)	N3D159N	394	L091	RESTRIZIONECORRENTE (ASSE 'Y') CURRENTRESTRICTION ('Y'-AXIS)	N3D143N	393	L0A1		L0B1	
L082	SERVOON/OFF (ASSE 'X') SERVOON/OFF ('X'-AXIS)	N3D158N	394	L092	RESTRIZIONECORRENTE (ASSE 'X') CURRENTRESTRICTION (AXIS-'X')	N3D142N	393	L0A2		L0B2	
L083				L093				L0A3		L0B3	
L084				L094				L0A4		L0B4	
L085				L095				L0A5		L0B5	
L086	SERVOON/OFF (ASSE C) SERVO ON/OFF (C-AXIS)	N3D154N	394	L096	RESTRIZIONECORRENTE (ASSE C) CURRENTRESTRICTION (C-AXIS)	N3D138N	393	L0A6		L0B6	
L087	SERVOON/OFF (ASSE B) SERVO ON/OFF (B-AXIS)	N3D153N	394	L097	RESTRIZIONECORRENTE (ASSE B) CURRENTRESTRICTION (B-AXIS)	N3D137N	393	L0A7		L0B7	
L088	SERVOON/OFF (MANDRINO PORTAM.) SERVO ON/OFF (WHEEL SPINDLE)	N3D152N	394	L098	RESTRIZIONECORRENTE (ASSE A) CURRENTRESTRICTION (A-AXIS)	N3D136N	392	L0A8		L0B8	
L089	SERVOON/OFF (ASSE Z) SERVO ON/OFF (Z-AXIS)	N3D151N	393	L099	RESTRIZIONECORRENTE (ASSE Z) CURRENTRESTRICTION (Z-AXIS)	N3D135N	392	L0A9		L0B9	
L08A				L09A				L0AA		L0BA	
L08B	SERVOON/OFF (ASSE X) SERVOON/OFF (X-AXIS)	N3D149N	393	L09B	RESTRIZIONECORRENTE (ASSE X) CURRENTRESTRICTION (X-AXIS)	N3D133N	392	L0AB		L0BB	
L08C				L09C				L0AC		L0BC	
L08D				L09D				L0AD		L0BD	
L08E				L09E				L0AE		L0BE	
L08F				L09F				L0AF		L0BF	

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L0C0		L0D0	SELEZ. ASSE (ASSE Z) AXISSELECT (Z-AXIS)	L0E0		L0F0	
L0C1		L0D1	SELEZ. ASSE (ASSE Y) AXISSELECT (Y-AXIS)	L0E1		L0F1	
L0C2		L0D2	SELEZ. ASSE (ASSE X) AXISSELECT (X-AXIS)	L0E2		L0F2	
L0C3		L0D3		L0E3		L0F3	
L0C4		L0D4		L0E4		L0F4	
L0C5		L0D5		L0E5		L0F5	
L0C6		L0D6	SELEZ. ASSE (ASSE C) AXISSELECT (C-AXIS)	L0E6		L0F6	
L0C7		L0D7	SELEZ. ASSE (ASSE B) AXISSELECT (B-AXIS)	L0E7		L0F7	
L0C8		L0D8		L0E8		L0F8	PRIMA MOLAN. 1 FIRST WHEEL NO. 1
L0C9		L0D9	SELEZ. ASSE (ASSE Z) AXISSELECT (Z-AXIS)	L0E9		L0F9	
L0CA		L0DA		L0EA		L0FA	
L0CB		L0DB	SELEZ. ASSE (ASSE X) AXISSELECT (X-AXIS)	L0EB		L0FB	
L0CC		L0DC		L0EC		L0FC	
L0CD		L0DD		L0ED		L0FD	
L0CE		L0DE		L0EE		L0FE	
L0CF		L0DF		L0EF		L0FF	

L100	IMMISSIONE 32APPROV. CICLO AUTOM. CONT. INPUT 32APPROVE AUTO CYCLE CONTINUOUS	L110	IMMISSIONE 16POS. PART. ROTAZ. TESTA PORTAF. INPUT 16WHEEL HEAD ROTATING HOME POSI.	L120	IMMISSIONE 64MEM. COMP. CONTR. DATI INPUT 64DATA CHECK COMPLETE MEMORY	L130	IMMISSIONE 48CENTRO AGG. INPUT 48CENTER CLAMPER
L101	IMMISSIONE 31PROVA CONT. INPUT 31CONTINUOUS TEST	L111	IMMISSIONE 15POS. ROTAZ. DES. TESTA PORTAF. INPUT 15WHEEL HEAD RIGHT ROTATING POSI.	L121	IMMISSIONE 63BLOCCO SOST. PEZZO INPUT 63INTERLOCK OF WORK CHANGE	L131	IMMISSIONE 47CENTRO RET. INPUT 47CENTER RETRACTED
L102	IMMISSIONE 30COMPLET. RETTIFICA INPUT 30COMPLETE GRINDING	L112	IMMISSIONE 14POS. ROTAZ. DES. TESTA PORTAF. INPUT 14WHEEL HEAD LEFT ROTATING POSI.	L122	IMMISSIONE 62COMP. ORG. INPUT 62COMPLETE ARRANGEMENT	L132	IMMISSIONE 46CENTRO AVAN. INPUT 46CENTER ADVANCED
L103	IMMISSIONE 29APPROV. CICLO RETTIFI. INPUT 29APPROVE GRINDING CYCLE	L113	IMMISSIONE 13MODALITA PRIMA MOLA INPUT 13FIRST WHEEL MODE	L123	IMMISSIONE 61APPROV. ORG. INPUT 61APPROVE ARRANGEMENT	L133	IMMISSIONE 45CONFER. SPINTA CENTR. INPUT 45CONFIR. CENTER PUSH
L104	IMMISSIONE 28APPROV. CICLO RETTIFI. PROVA INPUT 28APPROVE TEST GRINDING CYCLE	L114	IMMISSIONE 12MODALITA SECONDA MOLA INPUT 12SECOND WHEEL MODE	L124	IMMISSIONE 60MEMORIA ARRESTO MACCH. 30 MIN INPUT 60MEMORY OFSTOP M/C 30 MIN	L134	IMMISSIONE 44TERM. DESTRO CHIAVE INPUT 44KEY RIGHT END
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L107	IMMISSIONE 25AVVIO CICLO AUTOM. INPUT 25START AUTO CYCLE	L117	IMMISSIONE 9COMP. CAMBIO VEL. MAND. PORTAF. INPUT 9COMPLETE WHEEL SP. SPEED CHANGING	L127	IMMISSIONE 57MEMORIA POS. COMP. INPUT 57POSI. MEMORY COMPLETE	L137	IMMISSIONE 41SPORTELLLO CHIUSO INPUT 41DOOR CLOSED
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	IMMISSIONE 95SEGNALE 1 AE INPUT 95AE SIGNAL 1		IMMISSIONE 79 INPUT 79		IMMISSIONE MEMORIA 127VEL. MEDIA (VISURAZIONE) MEMORY INPUT 127SPEED MIDDLE (MESURING)		
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L143	N3D349N 406	L153	N3D333N 405	L163	N3D381N 409	L173	
	IMMISSIONE 93 INPUT 93		IMMISSIONE 77 INPUT 77		IMMISSIONE MEMORIA 125SELEZ. ASSE 2 (VISURAZIONE) MEMORY INPUT 125AXIS SELECT 2 (MESURING)		
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	IMMISSIONE 92 INPUT 92		IMMISSIONE 76 INPUT 76		IMMISSIONE MEMORIA 124SELEZ. ASSE 3 (VISURAZIONE) MEMORY INPUT 124AXIS SELECT 3 (MESURING)		
L145	N3D347N 406	L155	N3D331N 405	L165	N3D379N 408	L175	
	IMMISSIONE 91 INPUT 91		IMMISSIONE 75 INPUT 75		IMMISSIONE MEMORIA 123SELEZ. ASSE 4 (VISURAZIONE) MEMORY INPUT 123AXIS SELECT 4 (MESURING)		
L146		L156	N3D330N 405	L166	N3D378N 408	L176	
			IMMISSIONE 74 INPUT 74		IMMISSIONE MEMORIA 122SELEZ. ASSE 5 (VISURAZIONE) MEMORY INPUT 122AXIS SELECT 5 (MESURING)		
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			IMMISSIONE 73RIC. SEGN. CONT. CALIB. AUT. CN INPUT 73 NC AUTO SIZER CONTACTSEARCH SIGNAL		IMMISSIONE MEMORIA 121SELEZ. ASSE 6 (VISURAZIONE) MEMORY INPUT 121AXIS SELECT 6 (MESURING)		
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	IMMISSIONE 86SELEZ. ASSE 'X', 'Z' INPUT 86AXIS SELECT 'X', 'Z'		IMMISSIONE 70SEGNALE CALIBR. AUTO. 3P INPUT 70AUTO SIZER SIGNAL 3P		IMMISSIONE 118RASTRAM. -OK1 INPUT 118TAPER -OK1		
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			IMMISSIONE 69SEGNALE CALIBR. AUTO. 4P INPUT 69AUTO SIZER SIGNAL 4P		IMMISSIONE 117RASTRAM. +OK INPUT 117TAPER +OK		
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			IMMISSIONE 68SEGNALE CALIBR. AUTO. 5P INPUT 68AUTO SIZER SIGNAL 5P		IMMISSIONE 116RASTRAM. +OK 1 INPUT 116TAPER +OK 1		
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	SEGNALE AVV. N.16UNITA C UNIT C STARTSIGNAL NO.16		SEGNALE AVV. N.16UNITA A UNIT A STARTSIGNAL NO.16		GUIDA 4CHIUS. ANTER. MACC. G173 GUIDANCE 4FRONT DOOR CLOSE G173		SEGNALE AVV. N.16UNITA E UNIT E STARTSIGNAL NO.16
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	SEGNALE AVV. N.32UNITA C UNIT C STARTSIGNAL NO.32		SEGNALE AVV. N.32UNITA A UNIT A STARTSIGNAL NO.32		GUIDA 3ARRESTO EMERG. PO. SEC. G172 GUIDANCE 3SUB OP. EMERGENCY STOP G172		SEGNALE AVV. N.32UNITA E UNIT E STARTSIGNAL NO.32
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	CODICE ALLARME 4 ALARM CODE 4		ALLARME 14GUASTO ROT. WAM. PROTAP. G473 ALARM 14WORK SP. ROTATION FAULT G473				
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	CODICE ALLARME 16 ALARM CODE 16		ALLARME 12DIS. CNC PRONTO G491 ALARM 12CNC READY OFF G491				
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	CODICE ALLARME 32 ALARM CODE 32		ALLARME 11GUASTO COM. PLC G490 ALARM 11PLC COMMUNICATION FAULT G490				
L1C6	N3D474N 422	L1D6	N3D458N 419	L1E6		L1F6	
	CODICE ALLARME 64 ALARM CODE 64		ALLARME 10DIS. SERVO PRONTO G489 ALARM 10SERVO READY OFF G489				
L1C7	N3D473N 422	L1D7	N3D457N 419	L1E7		L1F7	
	CODICE ALLARME128 ALARM CODE128		ALLARME 9SOBRACORSA CENTRO G410 ALARM 9CENTER OVER TRAVEL G410				
L1C8	N3D472N 421	L1D8	N3D456N 419	L1E8		L1F8	
	ALLARME 24 ALARM 24		ALLARME 8GUASTO PLUS. REFRIG. G452 ALARM 8COOLANT FLOW FAULT G452				
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	ALLARME 22SOST. RULLO RAVV. G470 ALARM 22CHANGE TRUING ROLL G470		ALLARME 6 GRISTO PRESS. OLIO CISC. WAM. PROTAP. G443 ALARM 6 WHEEL SP. BEARINGS OILPRESSURE FAULT G443				
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	ALLARME 21SOST. MOLA G431 ALARM 21CHANGE WHEEL G431		ALLARME 5PRESS. LUBR. BASSA G440 ALARM 5LUBRICATION PRESSURE DOWN G440				
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	ALLARME 20 ALARM 20		ALLARME 4REFRIG. VUOTO G414 ALARM 4COOLANT EMPTY G414				
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	ALLARME 19SOST. INF. CENTRO G411 ALARM 19CENTER UNDER TRAVEL G411		ALLARME 3PRESS. OLIO IDR. BASSA G437 ALARM 3HYD. OIL PRESSURE DOWN G437				MODIFICA DATI CN NC DATA CHANGE
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	ALLARME 18 ALARM 18		ALLARME 2PRESS. ARIA BASSA G403 ALARM 2AIR PRESSURE DOWN G403				PROTEZ. PROGRAMMA ON PROGRAMPROTECT ON
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							RESET TEMPO CICLO 1(CICLO RETTIF.) CYCLE TIME 1 RESET(GRINDING CYCLE)
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							RESET TEMPO CICLO 2(CICLO RIPASS.) CYCLE TIME 2 RESET(DRESSING CYCLE)
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L2C0		L2D0	N3D720N 445 SCAVALC. RETTIFICAUNITA B 1 B UNITGRINDING OVER RIDE 1	L2E0		L2F0	
L2C1		L2D1	N3D719N 445 SCAVALC. RETTIFICAUNITA B 2 B UNITGRINDING OVER RIDE 2	L2E1		L2F1	
L2C2		L2D2	N3D718N 445 SCAVALC. RETTIFICAUNITA B 4 B UNITGRINDING OVER RIDE 4	L2E2		L2F2	
L2C3		L2D3	N3D717N 445 SCAVALC. RETTIFICAUNITA B 8 B UNITGRINDING OVER RIDE 8	L2E3		L2F3	
L2C4		L2D4	N3D716N 445 SCAVALC. RETTIFICAUNITA B 16 B UNITGRINDING OVER RIDE 16	L2E4		L2F4	
L2C5		L2D5	N3D715N 445 SCAVALC. RETTIFICAUNITA B 32 B UNITGRINDING OVER RIDE 32	L2E5		L2F5	
L2C6		L2D6	N3D714N 445 SCAVALC. RETTIFICAUNITA B 64 B UNITGRINDING OVER RIDE 64	L2E6		L2F6	
L2C7		L2D7	N3D713N 445 SCAVALC. RETTIFICAUNITA B 128 B UNITGRINDING OVER RIDE 128	L2E7		L2F7	
L2C8		L2D8		L2E8		L2F8	
L2C9		L2D9		L2E9		L2F9	
L2CA		L2DA		L2EA		L2FA	
L2CB		L2DB		L2EB		L2FB	
L2CC		L2DC		L2EC		L2FC	
L2CD		L2DD		L2ED		L2FD	
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L301		L311	SCAVALC. RETTIFICAUNITA C 2 C UNITGRINDING OVER RIDE 2	L321		L331	
L302		L312	SCAVALC. RETTIFICAUNITA C 4 C UNITGRINDING OVER RIDE 4	L322		L332	
L303		L313	SCAVALC. RETTIFICAUNITA C 8 C UNITGRINDING OVER RIDE 8	L323		L333	
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L305		L315	SCAVALC. RETTIFICAUNITA C 32 C UNITGRINDING OVER RIDE 32	L325		L335	
L306		L316	SCAVALC. RETTIFICAUNITA C 64 C UNITGRINDING OVER RIDE 64	L326		L336	
L307		L317	SCAVALC. RETTIFICAUNITA C 128 C UNITGRINDING OVER RIDE 128	L327		L337	
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L309		L319		L329		L339	
L30A		L31A		L32A		L33A	
L30B		L31B		L32B		L33B	
L30C		L31C		L32C		L33C	
L30D		L31D		L32D		L33D	
L30E		L31E		L32E		L33E	
L30F		L31F	M-FIN M-FIN	L32F		L33F	

L380	GUASTO CN A NC FAULT A	L390	CONTEGGIO 1 COUNT UP 1	L3A0		L3B0	ARR. VELOCITAMANDRINO PORTAP. WORK SP. SPEED ARRIVAL
L381	GUASTO CN B NC FAULT B	L391	CONTEGGIO 2 COUNT UP 2	L3A1		L3B1	VELOCITAMANDRINO PORTAP. 0 WORK SP. SPEED 0
L382	GUASTO CN C NC FAULT C	L392	CONTEGGIO 3 COUNT UP 3	L3A2		L3B2	
L383	GUASTO CN D NC FAULT D	L393	CONTEGGIO 4 COUNT UP 4	L3A3		L3B3	
L384	GUASTO CN E NC FAULT E	L394		L3A4		L3B4	
L385	GUASTO CN F NC FAULT F	L395		L3A5		L3B5	
L386	GUASTO CN G NC FAULT G	L396		L3A6		L3B6	
L387		L397		L3A7		L3B7	
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L389	PREV. SOSTITUZIONE MOLA (MOLA 1) WHEEL CHANGE FORECAST (WHEEL 1)	L399		L3A9		L3B9	ARRESTO ESEC. MDI MDI RUNSTOPPING
L38A		L39A	ARRESTO FACOLTATIVO OPTIONAL STOPPING	L3AA		L3BA	AVVIO MDI MDI STARTING
L38B		L39B		L3AB		L3BB	ARRIV. VELOCITAMANDRINO PORTAPM. WHEEL SP. SPEED ARRIVAL
L38C		L39C		L3AC		L3BC	VELOCITAMANDRINO PORTAM. WHEEL SP. SPEED
L38D		L39D		L3AD		L3BD	ESEC. SCANSIONE MACRO 3 CARRING OUT SCANNING MACRO 3
L38E	ALLARME BATTERIA BATTERY ALARM	L39E	SERVO CNC PRONTO (ON PER PRONTO) CNC SERVO READY (ON AT READY)	L3AE		L3BE	ESEC. SCANSIONE MACRO 2 CARRING OUT SCANNING MACRO 2
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L3C1	N2D95N 341	L3D1	N2D79N 340	L3E1		L3F1	
	SOVRACORSA- (Y) OT- (Y)		SOVRACORSA+ (Y) OT+ (Y)				
L3C2	N2D94N 341	L3D2	N2D78N 340	L3E2		L3F2	
	SOVRACORSA- (X) OT- (X)		SOVRACORSA+ (X) OT+ (X)				
L3C3		L3D3		L3E3		L3F3	
L3C4		L3D4		L3E4		L3F4	
L3C5		L3D5		L3E5		L3F5	
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	SOVRACORSA- (C) OT- (C)		SOVRACORSA+ (C) OT+ (C)				
L3C7	N2D89N 340	L3D7	N2D73N 340	L3E7		L3F7	
	SOVRACORSA- (B) OT- (B)		SOVRACORSA+ (B) OT+ (B)				
L3C8		L3D8		L3E8		L3F8	
L3C9	N2D87N 340	L3D9	N2D71N 340	L3E9		L3F9	
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L3CB	N2D85N 340	L3DB	N2D69N 340	L3EB		L3FB	
	SOVRACORSA- (X) OT- (X)		SOVRACORSA+ (X) OT+ (X)				
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L3CD		L3DD		L3ED	N2D115N 342 SELEZ. LOCALIZZATORE LOCATORSELECT	L3FD	
L3CE		L3DE		L3EE	N2D114N 342 SELEZ. CALIBRATOREAUTOM. AUTO SIZERSELECT	L3FE	
L3CF		L3DF		L3EF		L3FF	

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	USCITA DATI 32CICLO RETTIFICA DATA OUTPUT 32GRINDING CYCLE		USCITA DATI 165W. MAND. PORTAP. (ALIN. RAPIDA) DATA OUTPUT 165W. SP. OVER LOAD(RAPID FEED)		USCITA DATI 64COMP. CONTR. ESIST. DATI DATA OUTPUT 64DATA MISS CHECK COMPLETE		USCITA DATI 48REFRIG. ON DATA OUTPUT 48COOLANT ON
L401	N2D159N 345	L411	N2D143N 344	L421	N2D191N 349	L431	N2D175N 347
	USCITA DATI 31RETTIF. TRAV. DATA OUTPUT 31TRAVERS GRINDING		USCITA DATI 155W. MAND. P-PEZ. (RETTIF.) DATA OUTPUT 155W. SP. OVER LOAD(GRINDING)		USCITA DATI 63COMPL. CALC. SOST. PEZZO DATA OUTPUT 63WORK CHANGE CALCULATE COMPLETE		USCITA DATI 47REGOLAZ. REFRIG. DATA OUTPUT 47COOLANT ADJUST
L402	N2D158N 345	L412	N2D142N 344	L422	N2D190N 348	L432	N2D174N 347
	USCITA DATI 30PREV. COMP. RETTIF. DATA OUTPUT 30GRINDING COMPLETE FORECAST		USCITA DATI 14ARRESTO OSCILLAZ. ON DATA OUTPUT 14OSCILLATION STOP AT ON		USCITA DATI 62MEM. COMPL. RETTIF. PROVA DATA OUTPUT 62TEST GRINDING COMPLETE MEMORY		USCITA DATI 46 REFRIG. ALTA PRESSIONE ON (GREZZA) DATA OUTPUT 46HIGH PRESSURE COOLANT ON (ROUGH)
L403	N2D157N 345	L413	N2D141N 344	L423	N2D189N 348	L433	N2D173N 347
	USCITA DATI 29RIT. FIS. TESTA PORTAM. DATA OUTPUT 29WHEEL HEAD FIXED RET.		USCITA DATI 13VEL. RIPASS. MANDRINO PORTAM. DATA OUTPUT 13WHEEL SP. DRESSING SPEED		USCITA DATI 61PREV. CONT. RIPASS. DATA OUTPUT 61DRESSING COUNT UP FORECAST		USCITA DATI 45REFRIG. ALTA PRESSIONE ON DATA OUTPUT 45HIGH PRESSURE COOLANT ON
L404	N2D156N 345	L414	N2D140N 343	L424	N2D188N 348	L434	N2D172N 347
	USCITA DATI 28 DATA OUTPUT 28		USCITA DATI 12PERNO CONTATTO MIN. (U) DATA OUTPUT 12 CONTACT PIN MINIMUM(U)		USCITA DATI 60MEMORIA POS. DATA OUTPUT 60POS. MEMORY		USCITA DATI 44SOFFIATA ARIA DATA OUTPUT 44AIR BLOW
L405	N2D155N 345	L415	N2D139N 343	L425	N2D187N 348	L435	N2D171N 347
	USCITA DATI 27 DATA OUTPUT 27		USCITA DATI 11PREV. SOST. PERNO CONT. (U) DATA OUTPUT 11CONTACT PIN CHANGE FORECAST(U)		USCITA DATI 59MEMORIA POS. DIAM. WOLA DATA OUTPUT 59WHEEL DIA POSITIONING MEMORY		USCITA DATI 43REFR. CARIC. OFF DATA OUTPUT 43LOAD COOLANT OFF
L406	N2D154N 345	L416	N2D138N 343	L426	N2D186N 348	L436	N2D170N 346
	USCITA DATI 26 DATA OUTPUT 26		USCITA DATI 10CAMBIO ROTAZ. RULLO DIAM. DATA OUTPUT 10DIAMOND ROLL ROTATION CHANGE		USCITA DATI 58MEMORIA POS. RULLO RAVV. DATA OUTPUT 58TRIRING ROLL POSITIONING MEMORY		USCITA DATI 42 DATA OUTPUT 42
L407	N2D153N 345	L417	N2D137N 343	L427	N2D185N 348	L437	N2D169N 346
	USCITA DATI 25 DATA OUTPUT 25		USCITA DATI 9 DATA OUTPUT 9		USCITA DATI 57MEMORIA POS. PERNO DI CONTATTO DATA OUTPUT 57CONTACT PINPOSITIONING MEMORY		USCITA DATI 41 DATA OUTPUT 41
L408	N2D152N 345	L418	N2D136N 343	L428	N2D184N 348	L438	N2D168N 346
	USCITA DATI 24RIPASS. DATA OUTPUT 24DRESSING		USCITA DATI 8INDIC. TAVOLA DATA OUTPUT 8TABLE INDEXING		USCITA DATI 56GUASTO ROT. PEZZO DATA OUTPUT 56WORK ROTATION FAULT		USCITA DATI 40ELIMIN. DISTANZA ON (RETTIF.) DATA OUTPUT 40GAP ELIMINATOR ON(GRINDING)
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	USCITA DATI 23ROTAZIONE RULLO DIAM. DATA OUTPUT 23DIAMOND ROLL ROTATING		USCITA DATI 7LOCALIZZAZIONE DATA OUTPUT 7LOCATING		USCITA DATI 55AVANZ. MANDRINO PORTAP. DATA OUTPUT 55WORK SP. ADVANCING		USCITA DATI 39ELIMINATORE DISTANZA ON (RIPASS.) DATA OUTPUT 39GAP ELIMINATOR ON(DRESSING)
L40A	N2D150N 344	L41A	N2D134N 343	L42A	N2D182N 348	L43A	N2D166N 346
	USCITA DATI 22RULLO DIAM. MIN. DATA OUTPUT 22DIAMOND ROLL MINIMUM		USCITA DATI 6TRAV. LUNETTA IN CORSO DATA OUTPUT 6TRAV. TRAVERSE INPRO.		USCITA DATI 54RETROC. MANDRINO PORTAP. DATA OUTPUT 54WORK SP. RETRUCTING		USCITA DATI 38SEGNALE SELEZ. RASTR. ON DATA OUTPUT 38TAPER SELECT SIGNAL ON
L40B	N2D149N 344	L41B	N2D133N 342	L42B	N2D181N 348	L43B	N2D165N 346
	USCITA DATI 21PREV. SOST. RULLO DIAM. DATA OUTPUT 21DIAMOND ROLL CHANGE FORECAST		USCITA DATI 5INDICE TAV. SEC. DATA OUTPUT 5SUB TABLE INDEXING		USCITA DATI 53AVANZ. ASSE B DATA OUTPUT 53BAXIS ADVANCING		USCITA DATI 37SCAV. MACRO ON DATA OUTPUT 37MACRO OVER RIDE ON
L40C	N2D148N 344	L41C	N2D132N 342	L42C	N2D180N 347	L43C	N2D164N 346
	USCITA DATI 20PERNO CONTATTO MIN. (X) DATA OUTPUT 20CONTACT PIN MINIMUM (X)		USCITA DATI 4NON INDICE TAV. DATA OUTPUT 4NO TABLE INDEX		USCITA DATI 52RETROC. ASSE B DATA OUTPUT 52BAXIS RETRUCTING		USCITA DATI 36MEM. SEGN. PERNO CONTATTO DATA OUTPUT 36CONTACT PIN SIGNAL MEMORY
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	USCITA DATI 19PREV. SOST. PERNO CONTATTO (X) DATA OUTPUT 19CONTACT PIN CHANGE FORECAST(X)		USCITA DATI 3 DATA OUTPUT 3		USCITA DATI 51CICLO CONTR. PERNO DATA OUTPUT 51PIN CHECK CYCLE		USCITA DATI 35 DATA OUTPUT 35
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	USCITA DATI 18RULLO RIPASS. MIN. DATA OUTPUT 18DRESSING ROLL MINIMUM		USCITA DATI 2 DATA OUTPUT 2		USCITA DATI 50 DATA OUTPUT 50		USCITA DATI 34 DATA OUTPUT 34
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	USCITA DATI 17PREV. SOST. RULLO RIPASS. DATA OUTPUT 17DRESSING ROLL CHANGE FORECAST		USCITA DATI 1 DATA OUTPUT 1		USCITA DATI 49 DATA OUTPUT 49		USCITA DATI 33 DATA OUTPUT 33

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L441	USCITA DATI 95INDICE FASE DATA OUTPUT 95PHASE INDEXING N2D222N 352	L451	USCITA DATI 79COMP. CONTR. CALIBR. AUTOM. CN DATA OUTPUT 79MC AUTO SIZER MASTERING COMPLETE N2D206N 350	L461	USCITA DATI 127DIAMETRO MED. NOLA 2 DATA OUTPUT 127WHEEL DIAMETER MIDDLE 2 N2D254N 355	L471	USCITA DATI 1115OST. INTERV. CALIBR. AUTOM. DATA OUTPUT 111AUTO SIZER RANGE CHANGE N2D238N 353
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L443	USCITA DATI 93IND. MANDRINO PORTAP. DATA OUTPUT 93WORK SP. INDEXING N2D220N 351	L453	USCITA DATI 77CALIB. AUT. CN NON BLOCCO DATA OUTPUT 77MC AUTO SIZER NO INTERLOCK N2D204N 350	L463	USCITA DATI 125 DATA OUTPUT 125 N2D252N 355	L473	USCITA DATI 1095OST. INTERV. CALIBR. AUTOM. DATA OUTPUT 109AUTO SIZER RANGE CHANGE N2D236N 353
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L445	USCITA DATI 91 DATA OUTPUT 91 N2D218N 351	L455	USCITA DATI 75 DATA OUTPUT 75 N2D202N 350	L465	USCITA DATI 123 DATA OUTPUT 123 N2D250N 354	L475	USCITA DATI 1075OST. INTERV. CALIBR. AUTOM. DATA OUTPUT 107AUTO SIZER RANGE CHANGE N2D234N 353
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L481	POS. PART. RETTIF. ASSE X PSW PSW X AXIS GRINDING HOME POSI. N2D287N 358	L491	POS. REGOL. MACC. TAV. ASSE Z PSW PSW Z AXIS TABLE M/C ADJUST POSI. N2D271N 357	L4A1		L4B1	
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L483	POS. INDICE TAVOLA ASSE X PSW PSW X AXIS TABLE INDEX POSI. N2D285N 358	L493	ASSE Z PSW PSW Z AXIS N2D269N 356	L4A3	POS. PART. ASSE 'X PSW PSW 'X AXIS HOME POSI. N2D317N 360	L4B3	
L484	POS. ATT. CARICATORE ASSE X PSW PSW X AXIS LOADING ACTIVE POSI. N2D284N 358	L494	POS. PART. ASSE B PSW PSW B AXIS HOME POSI. N2D268N 356	L4A4	ASSE 'X PSW PSW 'X AXIS N2D316N 360	L4B4	
L485	ASSE X PSW PSW X AXIS N2D283N 358	L495	POS. PART. RETTIF. ASSE B PSW PSW B AXIS GRINDING HOME POSI. N2D267N 356	L4A5	POS. PART. RETTIF. ASSE 'X PSW PSW 'X AXIS GRINDING HOME POSI. N2D315N 360	L4B5	
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	SELEZ. PARTI COMPLETA 10~19 PARTS SELECT COMPLETE 10~19						AUTOM. SING. SINGLE AUTO			SELEZ. CICLO CN(NON OFF PER SBK) NC CYCLE SELECT(OFF AT SBK)	
M046	MID200X	127	M056	MID3P	131	M066	MID6	137	M076	MID37G	141
	SELEZ. PEZZO COMPLETA WORK SELECT COMPLETE						COND. ANTIRIPETIZIONEPER RISCALDAMENTO ANTI. REPEATCONDI. FOR WARMING UP			SELEZ. CICLO CN(OFF PER SBK) NC CYCLE SELECT(OFF AT SBK)	
M047	MID201X	128	M057	MID4P	131	M067	MID6G	137	M077	MID39G	142
	SERVO ONGUIDA SERVO ONGUIDANCE						COND. ANTIRIPETIZIONEPER RISCALDAMENTO ANTI. REPEATCONDI. FOR WARMING UP			SELEZ. CICLO CN(OFF PER SBK) NC CYCLE SELECT(OFF AT SBK)	
M048	MID202X	128	M058	MID5P	131	M068	MID7	137	M078	MID40G	142
	GUIDA AUTOMATICA MODALITA CN NC MODE AUTOGUIDANCE						COND. ESEC. RISCALDAMENTO WARMING UP RUN CONDI.			CICLO NC NC CYCLE	
M049	MID203X	128	M059	MID19P	132	M069	MID7G	137	M079	MID47G	143
	GUIDA POS. INIZ. START POSI. GUIDANCE						RISCALDAMENTO WARMING UP			CON. ESEC. CICLO PROVA CN NC TEST CYCLERUN CONDI.	
M04A	MID204X	128	M05A	MID20P	132	M06A	MID8	138	M07A	MID53G	143
	GUIDA ROT. MANDRINO PORTAM. WHEEL SPINDLEROTATE GUIDANCE						COND. ESEC. CICLOPROVA CNC CNC TESTCYCLE RUN CONDI.			ATTIVAZIONECICLO PROVA CN NC TEST CYCLECYCLE ON	
M04B	MID205X	128	M05B	MID31P	133	M06B	MID8G	138	M07B	MID55G	143
	GUIDA COMP. SOST. MOLA MEMORIA POS. POSI. MEMORY WHEEL CHANGECOMPLETE GUIDANCE						CICLO PROVA CNC CNC TESTCYCLE			SELEZ. CICLO PROVA CN(NON OFF PER SBK) NC TEST CYCLE SELECT(OFF AT SBK)	
M04C	MID206X	128	M05C	MID1	134	M06C	MID10G	138	M07C	MID57G	143
	GUIDA COMPLETARI PASS. DI SGROSSATURA ROUGH DRESSCOMPLETE GUIDANCE						ANTIRIPETIZIONE PER AVVIO CICLOPROVA CONT. ANTI. REPEAT FOR CONTINU. TEST CYCLE START			AVVIO CICLO PROVA CN(OFF PER SBK) NC TEST CYCLE START(OFF AT SBK)	
M04D	MID207X	128	M05D	MID1G	134	M06D	MID11G	138	M07D	MID59G	143
	GUIDA SICURAPROGRAMMA PROGRAMPROTECT GUIDANCE						ANTIRIPETIZIONE PERAVVIO CICLO PROVA SING. ANTI. REPEAT FORSINGLE TEST CYCLE START			SEGNALE SELEZIONECICLO PROVA CN UNITA A NC TEST CYCLE UNIT A SELECT SIGNAL	
M04E	MID208X	129	M05E	MID2G	134	M06E	MID12G	139	M07E	MID60G	144
	GUIDACARICATORE INCL. LOADER ONGUIDANCE						ANTIRIPETIZIONE PER AVVICICLO DI RISCALDAMENTO ANTI. REPEAT FOR CONTINU. WARMING UP CYCLE START			CICLO PROVA CN NC TEST CYCLE	
M04F	MID209X	129	M05F	MID2GD	134	M06F	MID13	139	M07F	MID67G	145
	GUIDAERRORI FAULTGUIDANCE						MEMORIA AVVIO CICLODI RISCALDAMENTO WARMING UP CYCLE START MEMORY			COND. ESEC. CICLODI RISCALDAMENTO WARMING UP CYCLE RUN CONDI.	
M080	MID73G	145	M090	MID63	150	M0A0	MID87	154	M0B0	MID214	185
	ATTIVAZIONE CICLO RISCALDAMENTO WARMING UP CYCLE ON						COND. ESEC. CAMP. PROFILO(A OGNI AVVIO) PROFILE SAMPLING RUN CONDI. (EVERY AT START)			ESECUZIONE CN ATTORNO M1 (LIVELLO D) NC RUNNING AROUND M1 (LEVEL D)	
M081	MID75G	145	M091	MID64	150	M0A1	MID93	154	M0B1	MID215	185
	SELEZ. RISCALDAMENTO(NON OFF PER SBK) WARMING UP SELECT(OFF AT SBK)						ATTIVAZ. PULSANTE CAMP. PROFILO PROFILE SAMPLING PB ON			ESECUZIONE CN ATTORNO M1 (LIVELLO E) NC RUNNING AROUND M1 (LEVEL E)	
M082	MID77G	145	M092	MID65	150	M0A2	MID95	154	M0B2	MID221	185
	SELEZ. RISCALDAMENTO(OFF PER SBK) WARMING UP SELECT(OFF AT SBK)						SELEZ. (CAMPIATURA PROFILO(NON OFF PER SBK) PROFILE SAMPLING SELECT(OFF AT SBK)			ESECUZIONE CN OFFTRANNE M1 NC RUNNINGOFF EXCEPT M1	
M083	MID79G	145	M093	MID66	151	M0A3	MID97	155	M0B3	MID231	185
	SELEZ. RISCALDAMENTO(OFF PER SBK) WARMING UP SELECT(OFF AT SBK)						CAMPIATURA PROFILOAVVIO (OFF PER SBK) PROFILE SAMPLINGSTART(OFF AT SBK)			SEGNALE AVVIO CN ATTORNO M1 (LIVELLO A) NC START SIGNAL AROUND M1 (LEVEL A)	
M084	MID80G	146	M094	MID67	151	M0A4	MID99	155	M0B4	MID234	186
	RISCALDAMENTO WARMING UP						SEGNALE AVVICAMP. PROFILO UNITA A PROFILE SAMPLING UNIT A START SIGNAL			SEGNALE AVVIO CN ATTORNO M1 (LIVELLO D) NC START SIGNAL AROUND M1 (LEVEL D)	
M085	MID24	147	M095	MID68	151	M0A5	MID260	216	M0B5	MID235	186
	OK PER AVVIARE OK TO START						CONTROLLO PARITA PARITY CHECK			SEGNALE AVVIO CN ATTORNO M1 (LIVELLO E) NC START SIGNAL AROUND M1 (LEVEL E)	
M086	MID41	148	M096	MID70	151	M0A6	MID100	155	M0B6	MID236	186
	COND. AVVIO RICERCA PROGRAMMA. (ALL' AVVIO) PROGRAM SERCH START CONDI. (AT START)						AVVIO CAMPION. PROFILO PROFILE SAMPLING START			SEGNALE AVVIO CN ATTORNO M1 (LIVELLO F) NC START SIGNAL AROUND M1 (LEVEL F)	
M087	MID43	148	M097	MID69	152	M0A7	MID123	156	M0B7	MID261	187
	COND. ESEC. RICERCA PROGRAMMA(A OGNI AVVIO) PROGRAM SERCH START CONDI. (AT EVERY START)						CONTROLLO ERRORI DATI COMPLETATO DATA MISTAKECHECK COMPLETE			COND. AVVIO CAMBIO TIPO (ALL' AVVIO) SET UP CHANGE START CONDI. (AT START)	
M088	MID47	148	M098	MID71	152	M0A8	MID125	156	M0B8	MID263	187
	COND. ESEC. RICERCA PROGRAMMA PROGRAM SERCH RUN CONDI.						MEMORIA ARRESTO TRENTA MINUTI (OFF) THIRTY MINUTE STOP MEMORY (TO OFF)			COND. AVVIO CAMBIO TIPO (A OGNI AVVIO) SET UP CHANGE START CONDI. (AT EVERY START)	
M089	MID53	148	M099	MID72	152	M0A9	MID157	158	M0B9	MID265	187
	ATTIVAZIONE PULSANTERICERCA PROGRAMMA PROGRAM SERCHPB ON						CONDIZIONE SELEZIONE PARTI PARTS SELECT CONDITION			COND. ESEC. CAMBIO TIPO SET UP CHANGE RUN CONDI.	
M08A	MID55	148	M09A	MID73	152	M0AA	MID158	158	M0BA	MID267	187
	SELEZ. PROGRAMMA RICERCA(NON OFF PER SBK) PROGRAM SERCH SELECT(OFF AT SBK)						CONDIZIONE SELEZIONE PARTI PARTS SELECT CONDITION			COND. ESEC. CAMBIO TIPO SET UP CHANGE RUN CONDI.	
M08B	MID57	149	M09B	MID74	152	M0AB	MID159	159	M0BB	MID269	188
	AVVIO PROGRAMMA RICERCA(OFF PER SBK) PROGRAM SERCH START(OFF AT SBK)						SELEZ. PEZZO 1~10 WORK SELECT 1~10			CICLO CAMBIO TIPO OFF SET UP CHANGE CYCLE OFF	
M08C	MID59	149	M09C	MID78	153	M0AC	MID160	159	M0BC	MID273	188
	SEGNALE AVVICERCA PROGRAMMA UNITA A PROGRAM SERCH UNIT A START SIGNAL						SELEZ. PEZZO 11~19 WORK SELECT 11~19			CICLO CAMBIO TIPO SET UP CHANGE CYCLE	
M08D	MID60	149	M09D	MID79	153	M0AD	MID180	183	M0BD	MID275	188
	AVVICERCA PROGRAMMA PROGRAM SERCHSTART						SELZ. PARTE 1~9 PART SELECT 1~9			CICLO CAMBIO TIPO (NON OFF PER SBK) SET UP CHANGE CYCLE (NOT AT OFF SBK)	
M08E	MID61	150	M09E	MID81	154	M0AE	MID181	183	M0BE	MID277	188
	CON. AVVIO MDI (ALL' AVVIO) MDI START CONDI. (AT START)						SELEZ. PARTE 10~19 PART SELECT 10~19			CICLO CAMBIO TIPO (OFF PER SBK) SET UP CHANGE CYCLE (OFF AT SBK)	
M08F	MID62	150	M09F	MID83	154	M0AF	MID211	184	M0BF	MID279	188
	COND. AVVIO MDI (OGNI AVVIO) MDI START CONDI. (EVERY START)						ESECUZIONE CN ATTORNO M1 (LIVELLO A) NC RUNNING AROUND M1 (LEVEL A)			AVVIO CICLO CAMBIO TIPO SEGNALE UNITA A SET UP CHANGE CYCLE START SIGNAL UNIT A	

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MOC0	MID280	189	MOD0	MID103	226	MOE0	MID145	234	MOF0	MID306	241
CAMBIO TIPO ESEGUITO SET UP CHANGE COMPLETE			1 DISPLAY 4 1 DISPLAY 4			TIPO PEZZO OK WORK TYPE OK			AVVIO PRELIEVO START UNLOADING		
MOC1	MID284	190	MOD1	MID104	226	MOE1	MID146	234	MOF1	MID307	241
CAMBIO TIPO CN ESEGUITO NC SET-UP CHANGE COMPLETE			1 DISPLAY 2 1 DISPLAY 2			TIPO PEZZO N. WORK TYPE NO			AVVIO DEPOSITO START LOADING		
MOC2	MID286	190	MOD2	MID105	227	MOE2	MID148	235	MOF2	MID302	242
CAMBIO TUTTI I TIPI ESEGUITO ALL SET-UP CHANGE COMPLETE			1 DISPLAY 1 1 DISPLAY 1			GUASTO TIPO PEZZO(NESSEN SEGN. DI CAMBIO TIPO) WORK TYPE FAIL(NO SIGNAL OF TYPE EXCHANGE)			RICHIESTA TIPO PEZZO REQUEST WORK TYPE		
MOC3	MID350	194	MOD3	MID112	228	MOE3	MID149	235	MOF3	MID305	243
RISPARMIO ENERGETICOON POWER SAVINGON			10 DISPLAY 8 10 DISPLAY 8			RICHIESTA CAMBIO TIPO PEZZO REQUEST WORK TYPE CHANGE			DATI STROBE DATA READING OK		
MOC4	MID351	195	MOD4	MID113	229	MOE4	MID150	236	MOF4	MID403	258
COND. SBLOCC. SPORTELO DOOR OPENMOVING CONDI.			10 DISPLAY 4 10 DISPLAY 4			TIPO PEZZO OK WORK TYPE OK			ARRESTO MACC. PER GUASTO MACHINE STOPPED FOR FAILURETO CARRY OUT		
MOC5	MID353	195	MOD5	MID114	229	MOE5	MID152	236	MOF5	MID404	259
SBLOCC. SPORTELOPOSSIB. DOOR OPEN MOVINGPOSSIBLE AT FUNCTION			10 DISPLAY 2 10 DISPLAY 2			PRELIEVO PER CAMBIO TIPO UNLOADING FOR SET-UP CHANGE			ARRESTO MACCHINA PERPRELIEVO IMPOSSIBILE MACHINE STOPPED FOR IMPOSSIBLEUNLOADING		
MOC6	MID21X	209	MOD6	MID115	230	MOE6	MID154	237	MOF6	MID408	260
GUASTO PEZZO N. WORK NO. FAULT			10 DISPLAY 1 10 DISPLAY 1			CONSENSO AL PRELIEVO UNLOADING OK			CICLO IN CORSO CYCLE IN PROGRESS		
MOC7	MID22X	209	MOD7	MID125	232	MOE7	MID156	237	MOF7	MID90X	282
POS. BLOCC. CARICATOREOFF LOADER INTERLOCK POSITIONOFF			D1003L>=0d D1003L>=0d			CONSENSO AL DEPOSITO LOADING OK			SELEZIONE ASSE COMPLETATA AXIS SELECT COMPLETE		
MOC8	MID21P	210	MOD8	MID126	232	MOE8	MID160	238	MOF8	MID10X	283
NON INTERF. CARICATORE LOADER NON-INTERFERENCE			D1003L>=9d D1003L>=9d			CONDIZIONE DI PRELIEVOSENZA DEPOSITO CONDITION OF UNLOADINGWITHOUT LOADING			EFFETTO MANOPOLACICLO PROFILO PROFILS CYCLEHANDLE EFFECT		
MOC9	MID21	212	MOD9	MID127	232	MOE9	MID170	238	MOF9	MID11X	284
COND. SEGNALE CARICATORE LOADER SIGNAL CONDITION			D1004L>=0d D1004L>=0d			COND. DI ARRESTO CICLO AUTO CONDITION OF STOP AUTO CYCLE			MODALITA MANOPOLA HANDLE MODE		
MOCA	MID23	212	MODA	MID128	232	MOEA	MID191	239	MOFA	MID122X	285
RICHIESTA TIPO PEZZO REQUEST WORK TYPE			D1004L>=1d D1004L>=1d			AVVIO SELEZ. PEZZO WORK SELECT START			100% MECCAN. INTERVALIM. RAPIDA RAPID FEEDOVER RIDE 100%		
MOCB	MID500	212	MODB	MID129	232	MOEB	MID200	239	MOFB	MID450X	286
AVVIO LETTURA CODICE BCD BCD CODE READING START			D1002L>=0 D1002L>=0			CONTR. PEZZO N. OK WORK NO. OK CHECK			NORMALE CN(APPR. CICLO RIT.) NC NORMAL(RETURN CYCLENAPPROVE)		
MOCC	MID65	216	MODC	MID130	232	MOEC	MID210	240	MOFC	MID500X	286
GUASTO PARITA PARITY FAULT			OK DATI DATA OK			AVVIO CAMBIO TIPO SET UP CHANGE START			NORMALE CN NC NORMAL		
MOCD	MID80	222	MODD	MID131	233	MOED	MID211	240	MOFD	MID501X	286
ERRORE DATI (LETTURA 0) DATA ERROR(0 READ)			TIPO PEZZO N. PERGUASTO CNC IS WORK TYPE NO. FOR CNCIS FAULT			TIPO OK TYPE OK			RESET CN NC RESET		
MOCE	MID81	222	MODE	MID140	234	MOEE	MID213	240	MOFE	MID527X	286
ERRORE DATI (LETTURA 0) DATA ERROR(0 READ)			TIPO PEZZO OK WORK TYPE OK			SISTEMA MAN CAMBIO TIPO SYSTEM MANUAL SET-UP CHANGE			GUASTO BATTERIACNC CNC BATTERYFAULT		
MOCF	MID102	225	MODF	MID141	234	MOEF	MID215	240	MOFF	MID528X	286
1 DISPLAY 8 1 DISPLAY 8			TIPO PEZZO N. WORK TYPE NO			CONFERMA CAMBIO TIPO CONFORMATION SET-UP CHANGE			GUASTO BATTERIACNC (ESEC. APPROV. PULS.) CNC BATTERYFAULT (APPROVE RUN AT PB)		

M100	NID529X	286	M110	NID4	291	M120	NID26	295	M130	NID54	301
CONF. GUASTOBATTERIA CNC CONFIR. CNCBATTERY FAULT			COND. AVVIOEMORIA POSIZ. POS. MEMORYRUN CONDI.			MEMORIA POSIZ. DIAM. MOLASEGNALE SELEZ. UNITA A POS. MEMORY WHEEL DIA. UNIT A SELECT SIGNAL			MEMORIA POS. COND. AVVIO RIPASS. POS. MEMORYDRESSER START CONDI.		
M101	NID630X	286	M111	NID5	291	M121	NID29	295	M131	NID55	301
BATTERIA CNCNORMALE CNC BATTERYNORMAL			PULS. MEMORIA POSIZ. ON POS. MEMORYPB ON			MEMORIA POSIZ. DIAM. MOLASEGNALE AVVIO UNITA A POS. MEMORY WHEEL DIA. UNIT A START SIGNAL			MEMORIA POS. PULS. RIPASS. ON POS. MEMORYDRESSER PB ON		
M102	NID545X	287	M112	NID6	291	M122	NID30	296	M132	NID56	301
CNC PRONTOOFF CNC READY OFF			MEMORIA POSIZ. SEGNALE SELEZ. UNITA A POS. MEMORYUNIT A SELECT SIGNAL			MEMORIA POSIZ. DIAM. MOLA POS. MEMORYWHEEL DIA.			MEMORIA POS. RIPASS. POS. MEMORYDRESSER		
M103	NID546X	287	M113	NID9	291	M123	NID32	297	M133	NID59	301
SERVO PRONTOOFF SERVO READYOFF			MEMORIA POSIZ. SEGNALE AVVIO UNITA A POS. MEMORYUNIT A START SIGNAL			MEMORIA POSIZ. COND. AVVIO POS. PEZZO POS. MEMORYWORK POS. START CONDI.			MEMORIA POS. RIPASS. SEGN. AVVIO UNITA A POS. MEMORY DRESSERUNIT A START SIGNAL		
M104	NID610X	288	M114	NID10	292	M124	NID34	297	M134	NID60	301
COND. AVVIO EST. A(ALL'AVVIO) EX. START START CONDI. A(AT START)			MEMORIA POSIZ. POS. MEMORY			MEMORIA POSIZ. COND. AVVIO POS. PEZZO POS. MEMORYWORK POS. START CONDI.			MEMORIA POS. RIPASS. POS. MEMORYDRESSER		
M105	NID611X	288	M115	NID12	292	M125	NID35	297	M135	NID62	303
COND. AVVIO EST. B(ALL'AVVIO) EX. START START CONDI. B(AT START)			COND. AVVIOEMORIA POSIZ. AUTOM. AUTO POS. MEMORY START CONDI.			MEMORIA POSIZ. PULS. POS. PEZZO ON POS. MEMORYWORK POS. PB ON			MEMORIA POSIZ. COND. AVVIO DIAM. DIAMANTE POS. MEMORYDIAMOND DIA. START SIGNAL		
M106	NID612X	288	M116	NID14	293	M126	NID36	297	M136	NID64	303
COND. AVVIO EST. C(ALL'AVVIO) EX. START START CONDI. C(AT START)			COND. AVVIOEMORIA POSIZ. AUTOM. AUTO POS. MEMORY RUN CONDI.			MEMORIA POSIZ. POS. PEZZO POS. MEMORYWORK POS.			MEMORIA POSIZ. COND. ESEC. DIAM. DIAMANTE POS. MEMORYDIAMOND DIA. RUN CONDI.		
M107	NID616X	288	M117	NID15	293	M127	NID39	297	M137	NID65	303
COND. AVVIO EST. A(OGNI AVVIO) EX. START START CONDI. A(EVERY START)			PULS. MEMORIA POSIZ. AUTOM. ON (PRINC.) AUTO POS. MEMORY PB ON (MAIN)			MEMORIA POSIZ. POS. PEZZOSEGNALE AVVIO UNITA A POS. MEMORY WHEEL DIA. UNIT A START SIGNAL			MEMORIA POSIZ. PULS. DIAM. DIAMANTE ON POS. MEMORYDIAMOND DIA. PB ON		
M108	NID617X	289	M118	NID21	293	M128	NID40	297	M138	NID66	303
COND. AVVIO EST. B(OGNI AVVIO) EX. START START CONDI. B(EVERY START)			SELEZ. MEMORIA POSIZ. AUTOM. (NOT OFF PER SBK) AUTO POS. MEMORY SELECT (NOT OFF AT SBK)			MEMORIA POSIZ. POS. PEZZO POS. MEMORYWORK POS.			MEMORIA POSIZ. DIAM. DIAMANTE POS. MEMORYDIAMOND DIA.		
M109	NID618X	289	M119	NID17	293	M129	NID42	299	M139	NID69	303
COND. AVVIO EST. C(OGNI AVVIO) EX. START START CONDI. C(EVERY START)			PULS. MEMORIA POSIZ. AUTOM. ON (SEC.) AUTO POS. MEMORY PB ON (SUB)			MEMORIA POS. RAVV. COND. AVVIO CONTATTO POS. MEMORY TRUINGCONTACT START CONDI.			MEMORIA POSIZ. DIAM. DIAMANTE POS. MEMORYDIAMOND DIA.		
M10A	NID620X	289	M11A	NID16	293	M12A	NID44	299	M13A	NID70	303
COND. ESEC. AVVIO EST. EX. START RUNCONDI.			MEMORIA POSIZ. AUTOM. (OFF PER SBK) AUTO POS. MEMORY (OFF AT SBK)			MEMORIA POS. RAVV. COND. AVVIO CONTATTO POS. MEMORY TRUINGCONTACT START CONDI.			MEMORIA POSIZ. DIAM. DIAMANTE POS. MEMORYDIAMOND DIA.		
M10B	NID2SBK	289	M11B	NID19	294	M12B	NID45	299	M13B	NID80	305
CONTR. DIS. PULS. BLOCCO SING. (UNITA A) SINGLE BLOCK PB OFF CHECK(A UNIT)			MEMORIA POSIZ. AUTOM. (SEGNALE AVVIO UNITA A) AUTO POS. MEMORY (UNIT A STARTSIGNAL)			MEMORIA POS. RAVV. PULS. CONTATTO ON POS. MEMORY TRUINGCONTACT PB ON			MEMORIA POSIZ. COMPL. POS. MEMORYCOMPLETE		
M10C	NID3SBK	289	M11C	NID20	294	M12C	NID46	299	M13C	NID160	306
CONTR. DIS. PULS. BLOCCO SING. (UNITA B) SINGLE BLOCK PB OFF CHECK(B UNIT)			MEMORIA POSIZ. AUTOM. AUTO POS. MEMORY			MEMORIA POS. RAVV. CONTATTO POS. MEMORYTRUINGCONTACT			AVVIO PROGRAMMA UNITA F UNIT F PROGRAM STARTING		
M10D	NID4SBK	289	M11D	NID22	295	M12D	NID49	299	M13D	NID162	306
CONTR. DIS. PULS. BLOCCO SING. (UNITA C) SINGLE BLOCK PB OFF CHECK(C UNIT)			COND. AVVIOEMORIA POSIZ. DIAM. MOLA POS. MEMORY WHEEL DIA. START CONDI.			MEMORIA POS. SEGN. AVVIOCONTATTO RAVV. UNITA A POS. MEMORYTRUING CONTACT UNITA START SIGNAL			AVVIO PROGRAMMA UNITA F UNIT F PROGRAM STARTING		
M10E	NID1	290	M11E	NID24	295	M12E	NID50	300	M13E	NID110	307
OFF FINTO OFF DUMMY			COND. ESEC. MEMORIA POSIZ. DIAM. MOLA POS. MEMORY WHEEL DIA. RUN CONDI.			MEMORIA POS. CONTATTO RAVV. POS. MEMORYTRUING CONTACT			PROGRAMMA UNITA A IN CORSO UNIT A PROGRAM RUNNING		
M10F	NID2	291	M11F	NID25	295	M12F	NID52	301	M13F	NID112	307
COND. ESEC. MEMORIA POSIZ. POS. MEMORYSTART CONDI.			PULS. MEMORIA POSIZ. DIAM. MOLA ON POS. MEMORY WHEEL DIA. PB ON			MEMORIA POS. COND. AVVIO RIPASS. POS. MEMORYDRESSER START CONDI.			PROGRAMMA UNITAA IN CORSO UNIT A PROGRAM RUNNING		

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M140	NID120	308	M150	NID230	314	M160	TID4X	471	M170	TID52X	479
	PROGRAMMA UNITA BIN CORSO UNIT BPROGRAM RUNNING			SEGNAL AVVIO UNITA A UNITA N1 N1 UNIT UNIT A START SIGNAL			PRESSIONEARIA BASSA AIR PRESSURE DOWN			NEBBIA OLIOVUOTO (RAVVIV.) MIST OIL EMPTY (TRUING)	
M141	NID122	308	M151	NID231	314	M161	TID6X	472	M171	TID63X	480
	TEMPORIZZATORE PROGRAMMAUNITA B OFF UNIT BPROGRAM OFF TIMER			SEGNAL AVVIO UNITA A UNIT A START SIGNAL			PRESSIONE LUBRIF. BASSA (VITE) LUBRICATIONPRESSURE DOWN(SCREW)			GUASTO TEMP. OLIO IDR. HYD. OIL TEMP. FAULT	
M142	NID130	308	M152	NID232	315	M162	TID9X	472	M172	TID71X	481
	PROGRAMMA UNITA CIN CORSO UNIT C PROGRAMRUNNING			SEGNAL AVVIO UNITA B UNIT B START SIGNAL			GUASTO PRESSIONELUBR. (GUIDA) LUBRICATION PRESSURE FAULT(SLIDE)			GUASTO TEMP. SCATOLA COMANDI CONTROL BOXTEMP. FAULT	
M143	NID132	309	M153	NID233	315	M163	TID10X	473	M173	TID75X	482
	PROGRAMMA UNITA CIN CORSO UNIT CPROGRAM RUNNING			SEGNAL AVVIO UNITA C UNIT C START SIGNAL			SOVRACCARICOPOMPA OLIO IDR. HYD. OIL PUMPOVERLOAD			GUASTO CIRCUITOCOMANDI CONTROL CIRCUIT FAULT	
M144	NID140	309	M154	NID234	315	M164	TID13X	473	M174	TID77X	482
	PROGRAMMA UNITA DIN CORSO UNIT DPROGRAM RUNNING			SEGNAL AVVIOUNITA D UNIT D STARTSIGNAL			SOVRACCARICOPOMPA OLIO LUBR. LUBE. OIL PUMPOVERLOAD			SOVRACCARICOMOTORE MOTOROVERLOAD	
M145	NID142	309	M155	NID235	315	M165	TID18X	473	M175	TID85X	483
	PROGRAMMA UNITA DIN CORSO UNIT DPROGRAM RUNNING			SEGNAL AVVIO UNITA E UNIT E START SIGNAL			SOVRACCARICO POMPAOLIO LUBR. (NEBBIA OLIO) LUBE. OIL PUMPOVERLOAD(MIST OIL)			SPURGO ARIAMANDR. PORTAM. WHEEL SP. AIR PARGE DOWN	
M146	NID150	310	M156	NID236	315	M166	TID19X	474	M176	TID101X	484
	PROGRAMMA UNITA EIN CORSO UNIT EPROGRAM RUNNING			SEGNAL AVVIO UNITA F UNIT F START SIGNAL			SOVRACC. POMPA OLIO LUBR. (NEBBIA LUB. AUT. ON) LUB. OIL PUMP OVERLOAD(AUTO REST MIST ON)			COND. ARRESTO ESEC. ATTORNO T1 RUN STOP CONDI. AROUND T1	
M147	NID152	310	M157	N2D50X	371	M167	TID26X	475	M177	TID100X	484
	PROGRAMMA UNITA EIN CORSO UNIT EPROGRAM RUNNING			PEZZO SELEZIONATO. 00 SELECTED WORKNO. 00			GUASTO PRESSIONE LUBR. (UNITA POMPA) LUBRICATION PRESSURE FAULT(PUMP UNIT)			GUASTO ARRESTO CICLOATTORNO T1 CYCLE STOP FAULTAROUND T1	
M148	NID190	310	M158	N2D51X	371	M168	TID33X	475	M178	TID102X	485
	PROGRAMMA CNIN CORSO NC PROGRAMRUNNING			PEZZO SELEZIONATO. 10 SELECTED WORKNO. 10			GUASTO FILTROOLIO LUBR. (TAVOLA) LUB. OIL FILTER FAULT(TABLE)			GUASTO ARRESTO CICLOATTORNO T1 CYCLE STOP FAULTAROUND T1	
M149	NID200	310	M159	N2D52X	371	M169	TID34X	476	M179	TID201X	486
	PROGRAMMA CN IN CORSO NC PROGRAM RUNNING			PEZZO SELEZIONATO. 20 SELECTED WORKNO. 20			GUASTO FILTRO OLIO LUBR. (TESTA PORTAM.) LUBE. OIL FILTER FAULT (WHEEL HEAD)			GUIDA ARRESTO EMERG. PO. PRINC. MAIN OP. EMERGENCY STOP GUIDANCE	
M14A	NID201A	312	M15A	N2D53X	371	M16A	TID42X	477	M17A	TID202X	486
	UNITA N1 LIVELLO A M FIN N1 UNIT LEVEL A M FIN			PEZZO SELEZIONATO. 30 SELECTED WORKNO. 30			OLIO IDR. VUOTO HYD. OILEMPTY			GUIDA ARRESTO EMERG. PO. SEC. SAB OP. EMERGENCY STOP GUIDANCE	
M14B	NID201	312	M15B			M16B	TID44X	477	M17B	TID203X	486
	LIVELLO A M FIN LEVEL A M FIN						OLIO LUBR. VUOTO LUBE. OILEMPTY			GUIDA CHIUSURAANTERIORE DI MACCH. FRONT DOORCLOSE GUIDANCE	
M14C	NID202	312	M15C			M16C	TID46X	478	M17C	TID204X	486
	LIVELLO B M FIN LEVEL B M FIN						PREVISIONE NEBBIAOLIO VUOTO (LUN. AUTOM.) MIST OILEMPTY FORECAST(ATO REST)			GUIDA CHIUSURAPROTEZ. MOLA WHEEL GUARDCLOSE GUIDANCE	
M14D	NID203	312	M15D	N3D1	448	M16D	TID48X	478	M17D	TID205X	486
	LIVELLO C M FIN LEVEL C M FIN			FINTO OFF OFF DUMMY			NEBBIA OLIOVUOTO (LUN. AUTOM.) MIST OILEMPTY (AUTO REST)			GUIDA ARRESTO EMERG. CARICATORE LOADEREMERGENCY STOP GUIDANCE	
M14E	NID211	313	M15E	TID1X	471	M16E	TID50X	478	M17E	TID206X	486
	CN IN CORSO ATTORNO N1 (LIV. A) NC RUNNING AROUND N1 (LEVEL A)			ARRESTOEMERGENZA EMERGENCYSTOP			GUASTO REFRIG. OLIO LUBR. LUB. OILCOOLER FAULT			GUIDA INT. SERVO OFF SERVO OFF SW. GUIDANCE	
M14F	NID221	313	M15F	TID3X	471	M16F	TID51X	479	M17F	TID210X	487
	ESATUR. CN ECCETTO N1 (LIVELLO A) NC RUNNING OFF EXCEPT N1 (LEVEL A)			PRESSIONEARIA BASSA AIR PRESSUREDOWN			PREVISIONE ASSENZANEBBIA OLIO (RAVVIV.) NO MIST OIL (TRUING) FORECAST			GUIDA GUASTIPLC. CNC CNC. PLC FAULTGUIDANCE	

M180	TID5	488	M190	T2D1X	509	M1A0	ID8X	523	M1B0	ID77	529
	TEMPORIZZATORE ON ESEC. RISPARMIO ENERG. ECONOMY RUNTIMER ON			GUASTO ARRESTOCONTIN. CONTINUESTOP FAULT			SOVRACCORSACENTRO CONTROPUNTA FOOTSTOCKCENTER OVERTRVEL			CONF. FINEAZZER. MEMORIA CONFIR. MEMORYCLEAR END	
M181	TID6	488	M191	T2D3X	509	M1A1	ID13X	523	M1B1	ID78	529
	POMPA LUBR. ON LUBRICANTPUMP ON			REFRIG. VUOTO COOLANT EMPTY			SPOST. INF. CENTRO CONTROPUNTA FOOTSTOCKCENTER UNDER TRAVEL			AZZER. MEMORIA COINCID. SEGNALE AVVIO UNITA E MEMORY CLEARCOINCIDE UNIT E START SIGNAL	
M182	TID7	489	M192	T2D5X	509	M1A2	ID1P	524	M1B2	ID79	529
	POMPA LUBR. ON (LUN. AUTOM.) (NEBBIA) LUBRICATIONPUMP ON(AUTO REST) (MIST)			BASSA PRESSIONEREFRIG. COOLANTPRESSURE DOWN			CENTRO CONTROPUNTARIT. FOOTSTOCKCENTER RET'D			AZZER. MEMORIAISEGNALE AVVIO UNITA E MEMORY CLEARUNIT E START SIGNAL	
M183	TID8	489	M193	T2D6X	510	M1A3	ID2P	524	M1B3	ID80	529
	POMPA LUBR. ON (LUN. AUTOM.) (NEBBIA) LUB. PUMP ON(AUTO REST) (MIST)			GUASTO FLUSSOREFRIG. COOLANT FLOWFAULT			CENTRO CONTROPUNTAAYANZ. FOOTSTOCKCENTER ADV'D			AZZERAMENTOMEMORIA MEMORY CLEAR	
M184	TID9	490	M194	T2D8X	510	M1A4	ID3P	524	M1B4	ID101	530
	POMPA LUBR. ON (RAVVIV.) (NEBBIA) LUBRICATIONPUMP ON(TRYING) (MIST)			SOVRACCARICOPOMPA REFRIG. COOLANTPUMP OVERLOAD			SOVRACCORSACENTRO CONTROPUNTA FOOTSTOCKCENTER OVER TRAVEL			CENTRO CONTROPUNTAAY. (AVVIAM.) FOOTSTOCK CENTER ADV. (AT START)	
M185	TID10	490	M195	T2D1	512	M1A5	ID4P	524	M1B5	ID103	530
	POMPA LUBR. ON (RAVVIV.) (NEBBIA) LUB. PUMP ON(TRYING) (MIST)			REFRIGERANTE ON COOLANT ON			META PERCORSO CENTROCONTROPUNTA FOOT STOCKCENTER HALFWAY			CENTRO CONTROPUNTAAY. (OGNI AVVIAM.) FOOTSTOCK CENTER ADV. (AT EVERY START)	
M186	TID33	492	M196	T2D2	512	M1A6	ID11P	524	M1B6	ID105	530
	MEMORIA REFRIG. ON COOLANT ONMEMORY			REFRIGERANTE ON COOLANT ON			MANDRINOILASC. CHUCKUNCLAMPED			COND. ESEC. CENTROCONTROP. AV. (POSIZ.) FOOTSTOCK CENTER ADV. RUN CONDI. (POSITION)	
M187	TID41	493	M197	T2D3	512	M1A7	ID12P	525	M1B7	ID107	530
	COND. ESEC. APERTURA SPORT. DOOR OPENRUN CONDI.			MAMORIAREFRIG. ON MEMORY OFCOOLANT ON			MANDRINO AGG. CHUCK CLAMPED			COND. ESEC. CENTROCONTROP. AV. FOOTSTOCK CENTER ADV. RUN CONDI.	
M188	TID47	493	M198	T2D4	512	M1A8	ID13	526	M1B8	ID109	530
	ANTERIORE DIMACCHINA CHIUSO FRONT DOOR CLOSE			REFRIGERANTE ON COOLANT ON			AGGAN. MANDRINOCOND. ESEC. N. 1 CHUCK CLAMPRUN CONDI. NO. 1			CICLO OFF CENTROCONTROPUNTA AV. FOOTSTOCK CENTER ADV. CYCLE OFF	
M189	TID48	493	M199	T2D5	513	M1A9	ID14	526	M1B9	ID112	530
	ANTERIORE DIMACCHINA APERTO FRONT DOOR OPEN			MAMORIA ROTAZIONEMANDRINO PORTAM. MEMORY OFWHEEL SPINDLE ROTATING			AGGAN. MANDRINOCOND. ESEC. N. 2 CHUCK CLAMPRUN CONDI. NO. 2			CENTRO CONTROPUNTAAYANZ. (MANUALE) FOOTSTOCK CENTER ADV. (MANUAL)	
M18A	TID51	494	M19A	T2D6	513	M1AA	ID15	526	M1BA	ID113	531
	COND. ESEC. APERTURA SPORT. DOOR OPENRUN CONDI.			DISATTIVAZ. MOMENTANEAREFRIG. ON COOLANT ONAT MOMENTARY POWER OFF			AGGANCIO MANDRINO CHUCK CLAMP			CENTRO CONTROPUNTAAYANZ. FOOTSTOCK CENTER ADV.	
M18B	TID53	494	M19B	T2D8	514	M1AB	ID18	527	M1BB	ID115	531
	CONTR. OFF PULS. BLOCCOPROTEZ. MOLA WHEEL GUARDINTERLOCK P. B. OFF CHECK			REFRIG. ON COOLANT ON			COND. ESEC. RILASCIO MANDR. CHUCK UNCLAMPRUN CONDI.			CENTRO CONTROPUNTAAYANZ. (NON OFF PER SBK) FOOTSTOCK CENTER ADV. (NOT AT OFF SBK)	
M18C	TID55	494	M19C	T2D40	515	M1AC	ID19	527	M1BC	ID117	531
	SBLOCCAGGIOPROTEZ. MOLA OUT WHEELGUAD STOPPER			CONSERV. DATITEMP. TEMP. DATA HOLD			RILASCIO MANDRINO CHUCK UNCLAMP			CENTRO CONTROPUNTAAYANZ. (OFF PER SBK) FOOTSTOCK CENTER ADV. (OFF AT SBK)	
M18D	TID57	494	M19D	T2D201	515	M1AD	ID67	528	M1BD	ID119	531
	PROTEZ. MOLA CHIUSA WHEEL GUAD CLOSE			M-FIN T2 (LIVELLO A) M-FIN T2 (LEVEL A)			COND. ESEC. AZZER. MEMORIA MEMORY CLEAR RUN CONDI.			CENTRO CONTROP. AV. SEGNALE AVVIO UNITA C FOOTSTOCK CENTER ADV. START SIGNAL UNIT C	
M18E	TID58	494	M19E	ID1X	523	M1AE	ID75	528	M1BE	ID120	531
	PROTEZ. MOLA APERTA WHEEL GUAD OPEN			COND. ARRESTO ESEC. ATTORNO 1 RUN STOPCONDI. AROUND 1			AZZERAMENTOMEMORIA MEMORY CLEAR			CENTRO CONTROPUNTAAYAN. FOOTSTOCK CENTER ADV.	
M18F	TID67	496	M19F	ID5X	523	M1AF	ID76	528	M1BF	ID121	531
	MEMORIA LUBRIF. ON MEMORY OFLUBRICATION ON			GUASTO CENTROCONTROPUNTA FOOTSTOCKCENTER FAULT			AZZERAMENTOMEMORIA MEMORY CLEAR			COND. AVVIAM. CENTROCONTROPUNTA AV. (AVV.) FOOTSTOCK CENTER RET. START CONDI. (AT START)	

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M20F	CONTR. INTER. PROSS. OFFCONF. INSERIV. PERNO COM. CONFIRM DRIVE PIN INSERTPROXIMITY SWITCH OFF CHECK	4D116A	557	M21F	COND. AVT. TESTA PORTAP. RIT. (AVVIAV.) WORK HEAD RET. START COND. (AT START)	4D141	561	M22F	M FIN ATTORNO 4 (LIVELLO C) M FIN AROUND 4 (LEVEL C)	4D203	566	M23F	RIT. DESTRALUN. AUTOM. AUTO-REST RET. RIGHT	4D287	572

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M284	COND. ESEC. POS. RAVV. TAVOLA (POSIZ.) TABLE TRUER POSI. RUN CONDI. (POSITION)	6D105	595	M294	SEGN. AVVIO UNITA OSCILLAZIONE OSCILLATION UNIT A START SIGNAL	6D139	598	M2A4	RITORNO PER GUASTO RETURN WHEN FAULT	7D23B	612	M2B4	GUASTO FILTRO OLIO CUSC. BERG. OIL FILTER FAULT	7D34X	619
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AVVIAM. SOSTIT. RETTIF. RIT. RET. GRIND. CHANGE START		COND. ESECUZ. SOSTIT. PERNO CONTATTO RIT. RET. CONTACTPIN CHANGE RUN CONDI.		SELEZIONE SOSTIT. RULLO DIAM. RIT. SELECT RET. DIA. ROLL CHANGE		AVVIO UNITA A SOSTIT. PERNO CONTATTO RIT. START UNIT A RET. CONTACT PIN CHANGE	
M304	8D4 661	M314	8D33 665	M324	8D77 669	M334	8D100 673
CONFERMA DISATTIVAZ. RELE DI MANTENIMENTO CONF. KEEP RELAY OFF		PULS. ON SOSTIT. PERNO CONTATTO RIT. RET. CONTACTPIN CHANGE PB ON		SELEZIONE SOSTIT. RULLO DIAM. RIT. (OFF PER SSK) SELECT RET. DIA. ROLL CHANGE(OFF AT SSK)		SOSTITUZIONE PERNOCONTATTO RIT. RET. CONTACT PIN CHANGE	
M305	8D7 661	M315	8D35 665	M325	8D79 669	M335	8D240 675
COND. ESECUZ. SOSTIT. RETTIF. RIT. RET. GRINDCHANGE RUN CONDI.		SELEZIONE SOSTIT. PERNO CONTATTO RIT. SELECT RET. CONTACT PIN CHANGE		AVVIO UNITA A SOSTIT. RULLO DIAM. RIT. START UNIT A RET. DIA. ROLL CHANGE		GUASTO CONDIZIONE ESECUZIONE RUN CONDITION FAULT	
M306	8D9 661	M316	8D37 666	M326	8D80 669	M336	8D211 676
CONFERMAATTIVAZ. SOSTIT. RETTIF. GRIND. CHANGE ONCONFIRMATION		SELEZIONE SOSTIT. PERNO CONTATTO RIT. (OFF PER SSK) SELECT RET. CONTACT PINCHANGE(OFF AT SSK)		SOSTITUZIONE RULLODIAMANTE RIT. RET. DIA. ROLL CHANGE		ESECUZ. CN(LIVELLO A) NC RUNNING(LEVEL A)	
M307	8D10 661	M317	8D39 666	M327	8D81 671	M337	8D221 677
CONFERMA DISATTIVAZ. SOSTIT. RETTIF. GRIND. CHANGE OFFCONFIRMATION		AVVIO UNITA A SOST. PERNO CONTATTO RIT. START UNIT A RET. CONTACTPIN CHANGE		COND. AVVIAM. SOSTIT. PERNO CONTATTO RIT. RET. CONTACT PINCHANGE START CONDI.		ESECUZ. CN DISATT. ECCETTO 8 NC RUNNINGOFF EXCEPT 8	
M308	8D11 661	M318	8D40 666	M328	8D83 671	M338	8D231 677
CONFERMA SOSTITUZ. RETTIF. GRIND. CHANGECONFIRMATION		SOSTITUZIONEPERNO CONTATTO RIT. RET. CONTACTPIN CHANGE		AVVIAM. SOSTIT. PERNO CONTATTO RIT. RET. CONTACT PINCHANGE START		ESECUZ. CN(LIVELLO A) NC RUN(LEVEL A)	
M309	8D5 662	M319	8D61 667	M329	8D84 671	M339	9D1B 680
CONDIZIONE ESEC. RIT. SOSTITUZ. MOLA WHEEL CHANGE RETURNRUN CONDITION		COND. AVVIAM. SOSTIT. RULLO DIAM. RIT. RET. DIA. ROLL CHANGE START CONDI.		CONFERMA DISATTIVAZ. RELE DI MANTENIMENTO CONF. KEEP RELAY OFF		RITORNORIPASSATORE DRESSERRETURN	
M30A	8D8 662	M31A	8D63 667	M32A	8D87 671	M33A	9D2B 680
CONDIZIONE CICLO ESCL. CYCLE CONDITION OFF		AVVIAM. SOSTIT. RULLO DIAM. RIT. RET. DIA. ROLL CHANGE SATRT		COND. ESECUZ. SOSTIT. PERNO CONTATTO RIT. RET. CONTACT PINCHANGE RUN CONDI.		RITORNORIPASSATORE DRESSERRETURN	
M30B	8D13 663	M31B	8D64 667	M32B	8D89 671	M33B	9D5B 680
PULS. ON SOSTITUZ. MOLA RIT. RET. WHEELCHANGE PB ON		CONFERMA DISATTIVAZ. RELE DI MANTENIMENTO CONF. KEEP RELAY OFF		CONFERMA ATTIV. SOSTIT. PERNO CONTATTO RIT. CONTACT PINCHANGE ON CONFIRMATION		RITORNORIPASSATORE DRESSERRETURN	
M30C	8D15 663	M31C	8D67 667	M32C	8D90 671	M33C	9D10B 680
SELEZIONE SOSTITUZ. MOLA RIT. SELECT RET. WHEEL CHANGE		COND. ESEC. SOSTIT. RULLO DIAM. RIT. RET. DIA. ROLL CHANGE RUN CONDI.		CONFERMA DISATTIV. SOSTIT. PERNO CONTATTO CONTACT PINCHANGE OFF CONFIRMATION		RITORNORIPASSATORE DRESSERRETURN	
M30D	8D17 663	M31D	8D69 667	M32D	8D91 671	M33D	9D21B 680
SELEZIONE SOSTITUZ. MOLA RIT. (OFF PER SSK) SELECT RET. WHEEL CHANGE(OFF AT SSK)		ATTIV. CONFERMA SOSTIT. RULLO DIAM. RIT. DIA. ROLL CHANGE ONCONFIRMATION		CONFERMA SOSTIT. PERNO CONTATTO RIT. CONTACT PINCHANGE CONFIRMATION		RITORNO RIPASSATOREIN CASO DI GUASTO DRESSER RETURNWHEN FAULT	
M30E	8D19 663	M31E	8D70 667	M32E	8D85 672	M33E	9D23B 681
AVVIO UNITA ASOSTITUZ. MOLA RIT. START UNIT A RET. WHEEL CHANGE		DISATTIV. CONFERMA SOSTIT. RULLO DIAM. RIT. DIA. ROLL CHANGE OFFCONFIRMATION		CONDIZIONE ESECUZIONE RUN CONDITION		RITORNO RIPASSATOREIN CASO DI GUASTO DRESSER RETURNWHEN FAULT	
M30F	8D20 663	M31F	8D71 667	M32F	8D88 672	M33F	9D1H 682
SOSTITUZIONEMOLA RITORNO RET. WHEELCHANGE		CONFERMA SOSTIT. RULLO DIAM. RIT. DIA. ROLL CHANGECONFIRMATION		CONDIZIONE CICLO OFF CYCLE CONDITION OFF		RIPASSATORE MANUALE(SEL) DRESSER MANUAL(SOL)	

M340	9D2H 682	M350	9D5 687	M360	9D33 690	M370	9D75 694
RIPASSATORE MANUALE (CICLO CNC) DRESSER MANUAL (CNC C/L)		CONDIZ. ESECUZ. RAVVIV. (POSIZ.) TRUING RUNCOND. (POSITION)		AVVIAV. RAVVIV. GREZZA MANUALE (PRINCIP.) MANUAL ROUGH TRUINGSTART (MAIN)		AVVIAV. APPROCCIO CONTATTO CONTACT APPROACHSTART	
M341	9D3H 682	M351	9D6 687	M361	9D34 690	M371	9D77 694
RIPASSATORE MANUALE (MANOPOLA) DRESSER MANUAL (HANDLE)		CONDIZ. ESECUZ. RAVVIV. TRUING RUNCOND.		AVVIAV. RAVVIV. GREZZA MANUALE (SECOND) MANUAL ROUGH TRUINGSTART (SUB)		AVVIAV. APPROCCIOCONTATTO (OFF PER SBK) CONTACT APPROACH START (OFF AT SBK)	
M342	9D2SBK 682	M352	9D7 687	M362	9D35 690	M372	9D79 694
PULS. SBK CONTROLLO DISATT. (UNITA A) OFF CHECK SBK PB (UNIT A)		CONDIZ. ESECUZ. RAVVIV. TRUING RUNCOND.		AVVIAV. RAVVIV. GREZZA MANUALE MANUAL ROUGH TRUINGSTART		AVVIO UNITA A APPROCCIO CONTATTO START UNIT ACONTACT APPROACH	
M343	9D3SBK 682	M353	9D9 687	M363	9D37 690	M373	9D80 695
PULS. SBK CONTROLLO DISATT. (UNITA B) OFF CHECK SBK PB (UNIT B)		CICLO OFFRAVVIATURA TRUING CYCLEOFF		AVVIAV. RAVVIV. GREZZA MANUALE (OFF PER SBK) MANUAL ROUGH TRUING START (OFF AT SBK)		AVVIAV. APPROCCIO CONTATTO CONTACT APPROACHSTART	
M344	9D4SBK 682	M354	9D13 687	M364	9D39 690	M374	9D81 695
PULS. SBK CONTROLLO DISATT. (UNITA C) OFF CHECK SBK PB (UNIT C)		AVVIAV. RAVVIVATURA (PRINC.) TRUING START (MAIN)		AVVIO UNITA A RAVVIV. GREZZA MANUALE START UNIT A MANUALROUGH TRUING		CONDIZ. AVVIAV. APPROCCIOCONTATTO DRESSINGSTART COND.	
M345	9D1X 682	M355	9D14 687	M365	9D40 691	M375	9D83 695
GUASTO FAULT		AVVIAV. RAVVIVATURA (SECON.) TRUING START (SUB)		AVVIAV. RAVVIV. GREZZA MANUALE MANUAL ROUGH TRUINGSTART		CONDIZ. AVVIAV. APPROCCIOCONTATTO DRESSINGSTART COND.	
M346	9D12X 683	M356	9D15 688	M366	9D42 691	M376	9D85 695
AVV. RIPASS. IMPED. GUASTO FAULT IN HIBIT DRESSERSTART		AVVIAV. RAVVIVATURA TRUING START		MEM. ARRESTO RAVVIV. GREZZA MANUALE MANUAL ROUGH TRUINGSTOP MEM.		CONDIZ. ESECUZ. RIPASSATURA (POSIZIONE) DRESSING RUN COND. (POSITION)	
M347	9D13X 683	M357	9D17 688	M367	9D42A 691	M377	9D86 695
GUASTOELIMINATORE DISTANZA GAPELIMINATOR FAULT		AVVIAV. RAVVIVATURA (OFF PER SBK) TRUING START (OFF AT SBK)		ARRESTO RAVVIV. GREZZA MANUALE (PRINC.) MANUAL ROUGH TRUINGSTOP (MAIN)		CONDIZ. ESECUZ. RIPASSATURA DRESSING RUNCOND.	
M348	9D16X 684	M358	9D19 688	M368	9D61 693	M378	9D87 695
GUASTOINVERTITORE INVERTERFAULT		AVVIO UNITA A RAVVIV. START UNIT ATRUING		CONDIZ. AVVIAV. APPROCCIO CONTATTO CONTACT APPROACHSTART COND.		CONDIZ. ESECUZ. RIPASSATURA DRESSING RUNCOND.	
M349	9D17X 684	M359	9D20 688	M369	9D63 693	M379	9D89 696
GUASTOINVERTITORE INVERTER FAULT		AVVIAV. RAVVIVATURA TRUING START		CONDIZ. AVVIAV. APPROCCIO CONTATTO CONTACT APPROACHSTART COND.		MEMORIA OFFCICLO RIPASSATURA MEM. DRESSINGCYCLE OFF	
M34A	9D18X 684	M35A	9D21 689	M36A	9D65 693	M37A	9D93 696
GUASTOINVERTITORE INVERTER FAULT		CONDIZ. AVVIAV. RAVVIV. GREZZA MANUALE MANUALROUGH TRUINGSTART COND.		CONDIZ. ESEC. APPROCCIOCONTATTO (POSIZ.) CONTACT APPROACHRUN COND. (POSITION)		AVVIAV. APPROCCIOCONTATTO (PRINC.) DRESSINGSTART (MAIN)	
M34B	9D25X 685	M35B	9D23 689	M36B	9D66 693	M37B	9D94 697
SURRISC. MOTORERULLO DIAMANTE DIAMOND ROLL MOTOROVERHEAT		CONDIZ. AVVIAV. RAVVIV. GREZZA MANUALE MANUALROUGH TRUINGSTART COND.		CONDIZ. ESEC. APPROCCIOCONTATTO CONTACT APPROACHRUN COND.		AVVIAV. APPROCCIOCONTATTO (SEC.) DRESSINGSTART (SUB)	
M34C	9D30X 685	M35C	9D25 689	M36C	9D67 693	M37C	9D95 697
AVVIO PERRAVVIV. CONTATTO START FORTRUING CONTACT		CONDIZ. ESEC. RAVVIV. GREZZA (POSIZIONE) ROUGH TRUINGRUN COND. (POSITION)		CONDIZ. ESEC. APPROCCIOCONTATTO CONTACT APPROACHRUN COND.		AVVIAV. APPROCCIOCONTATTO DRESSINGSTART	
M34D	9D50X 686	M35D	9D26 689	M36D	9D69 693	M37D	9D97 697
CONDIZIONEALIMENTAZIONE TAVOLA TABLE FEEDCOND.		CONDIZ. ESEC. RAVVIV. GREZZA MANUALE MANUALROUGH TRUINGRUN COND.		MEMORIA OFFAPPROCCIO CONTATTO MEM. CONTACTAPPROACH OFF		AVVIAV. APPROCCIOCONTATTO (OFF PER SBK) DRESSINGSTART (OFF AT SBK)	
M34E	9D1 687	M35E	9D27 689	M36E	9D73 694	M37E	9D99 697
CONDIZ. AVVIAV. RAVVIVATURA TRUING STARTCOND.		CONDIZ. ESEC. RAVVIV. GREZZA MANUALE MANUALROUGH TRUINGRUN COND.		AVVIAV. APPROCCIOCONTATTO (PRINC.) CONTACT APPROACHSTART (MAIN)		AVVIO UNITA A RIPASSATURA START UNIT ADDRESSING	
M34F	9D3 687	M35F	9D29 689	M36F	9D74 694	M37F	9D100 697
CONDIZ. AVVIAV. RAVVIVATURA TRUING STARTCOND.		CICLO OFF RAVVIV. GREZZA MANUALE MANUALROUGH TRUINGC/L OFF		AVVIAV. APPROCCIOCONTATTO (SEC.) CONTACT APPROACHSTART (SUB)		AVV. RIPASSATURA DRESSINGSTART	

M380	9D101 698	M390	9D144 703	M3A0	9D173 708	M3B0	9D199 711
CONDIZ. AVVIAV. RULLO RIPASS. DRESSING ROLLSTART COND.		RAVVIV. CONTATTO 1 TRUINGCONTACT 1		AVVIAV. APPROCCIOCONTATTO RAVVIV. TRUING CONTACTAPPROACH START		AVVIAV. RAVVIV. GREZZA ROUGH TRUINGSTART	
M381	9D102 698	M391	9D150 704	M3A1	9D175 708	M3B1	9D200 711
CONDIZ. ESECUZ. RULLO RIPASS. DRESSING ROLLRUN COND.		AVVIAV. MISURACONTATTO 2 CONTACT MEASURESTART 2		AVVIAV. APPROCCIOCONTATTO RAVVIV. TRUING CONTACTAPPROACH START		RIPASSATURA DRESSING	
M382	9D103 698	M392	9D151 704	M3A2	9D177 708	M3B2	9D201 711
AVVIAV. RULLO RIPASS. DRESSING ROLLSTART		MISURACONTATTO 2 CONTACTMEASURE 2		AVVIAV. APPROCCIOCONT. RAVVIV. (OFF PER SBK) TRUING CONTACT APPROACH START (OFF AT SBK)		M-FIN (LIVELLO A) M-FIN (LEVEL A)	
M383	9D104 698	M393	9D152 705	M3A3	9D179 708	M3B3	9D211 712
AVVIO UNITA A RAVVIV. RULLO RIPASS. UNIT A STARTDRESSING ROLLSTART		AVVIAV. RAVVIV. CONTATTO 2 TRUING CONTACTSTART 2		AVVIO UNITA A APPROCCIO CONTATTO START UNIT ACONTACT APPROACH		ESECUZ. CN (LIVELLO A) NC RUNNING (LEVEL A)	
M384	9D106 698	M394	9D153 705	M3A4	9D180 708	M3B4	9D221 712
ARRESTORULLO RIPASS. DRESSING ROLLSTOP		MEMORIA ONCONTACTO CONTACT ONMEM.		AVVIAV. APPROCCIOCONTATTO RAVVIV. TRUING CONTACTAPPROACH START		ESECUZ. CN DISATT. ECCETTO 9 NC RUNNINGOFFEXCEPT 9	
M385	9D107 699	M395	9D154 705	M3A5	9D181 709	M3B5	9D231 713
AVVIO UNITA A ARRESTO RULLO RIPASS. START UNIT ADDRESSING ROLL STOP		SEGNALE 1 ATESTA PORTAM. WHEEL HEADAE SIGNAL 1		CONDIZ. AVVIAV. RAVVIV. GREZZA ROUGH TRUINGSTART COND.		ESECUZ. CN (LIVELLO A) NC RUN (LEVEL A)	
M386	9D120 700	M396	9D155 705	M3A6	9D183 709	M3B6	9D240 713
CONDIZ. AVVIAV. RULLO DIAMANTE DIAMOND ROLLSTART COND.		AVV. SEGNALE 1 ATESTA PORTAM. WHEEL HEADAE SIGNAL START		CONDIZ. AVVIAV. RAVVIV. GREZZA ROUGH TRUINGSTART COND.		GUASTO COND. ESEC. CN NC RUNNINGCOND. FAULT	
M387	9D121 700	M397	9D156 705	M3A7	9D185 709	M3B7	9D241 714
CONDIZ. ESECUZ. RULLO DIAMANTE DIAMOND ROLLRUN COND.		CONTR. DISATT. SEGNALE 1AE TESTA PORTAM. WHEEL HEAD AE SIGNALOFF CHECK		CONDIZ. ESECUZ. RAVVIV. GREZZA (POSIZ.) ROUGH TRUING RUN COND. (POSITION)		MEMORIA RIPASSATURA MEM. OFDRESSING	
M388	9D122 700	M398	9D157 705	M3A8	9D186 709	M3B8	9D242 714
AVVIAV. RULLO DIAMANTE DIAMOND ROLLSTART		SEGNALE 2 ATESTA PORTAM. WHEEL HEADAE SIGNAL2		CONDIZ. ESECUZ. RAVVIV. GREZZA ROUGH TRUINGRUN COND.		RIPASSATURAMACRO ESCL. DRESSINGMACRO OFF	
M389	9D123 700	M399	9D159 706	M3A9	9D187 709	M3B9	9D245 714
AVVIAV. RULLO DIAMANTE DIAMOND ROLLSTART		RAVVIV. CONTATTO TRUINGCONTACT		CONDIZ. ESECUZ. RAVVIV. GREZZA ROUGH TRUINGRUN COND.		MEMORIA RIPASSAT. ECCETTO CICLO PROVA MEM. OF DRESSINGEXCEPT TEST C/L	
M38A	9D126 701	M39A	9D161 707	M3AA	9D189 709	M3BA	9D300 715
ARRESTORULLO DIAMANTE DIAMOND ROLLSTOP		CONDIZ. AVVIAV. APPROCCIO CONTATTO CONTACT APPROACHSTART COND.		CICLO OFF RAVVIV. GREZZA ROUGH TRUINGC/L OFF		RAVVIVATURA TRUING	
M38B	9D127 702	M39B	9D163 707	M3AB	9D193 710	M3BB	ILIDWIIX 94
AVVIAV. RULLO DIAMANTE DIAMOND ROLLSTART		CONDIZ. AVVIAV. APPROCCIO CONTATTO CONTACT APPROACHSTART COND.		AVVIAV. RAVVIV. GREZZA (PRINC.) ROUGH TRUINGSTART (MAIN)		DIFETTO COMUNICAZIONEPLC PLC COMMUNICATIONFAULT	
M38C	9D128 702	M39C	9D165 707	M3AC	9D194 710	M3BC	MIDWIA 104
AVVIAV. RULLO DIAMANTE DIAMOND ROLLSTART		CONDIZ. ESEC. APPROCCIOCONTATTO (POSIZ.) CONTACT APPROACHRUN COND. (POSITION)		AVVIAV. RAVVIV. GREZZA (SEC.) ROUGH TRUINGSTART (SUB)		AUTO (LAMPADA) AUTO (LAMP)	
M38D	9D140 703	M39D	9D166 707	M3AD	9D195 710	M3BD	MIDW2A 104
AVVIAV. MISURACONTATTO 1 CONTACTMEASURE START 1		CONDIZ. ESEC. APPROCCIOCONTATTO (RET.) CONTACT APPROACHRUN COND. (RET.)		AVVIAV. RAVVIV. GREZZA ROUGH TRUINGSTART		SEMI AUTO (LAMP.) SEMI AUTO (LAMP)	
M38E	9D141 703	M39E	9D167 707	M3AE	9D197 710	M3BE	MIDW1H 105
MISURACONTATTO 1 CONTACTMEASURE 1		CONDIZ. ESEC. APPROCCIOCONTATTO CONTACT APPROACHRUN COND.		AVVIAV. RAVVIV. GREZZA (OFF PER SBK) ROUGH TRUINGSTART (OFF AT SBK)		MANUALE (LAMPADA) MANUAL (LAMP)	
M38F	9D142 703	M39F	9D169 707	M3AF	9D198 710	M3BF	MIDW1AJ 106
AVVIAV. MISURACONTATTO 1 CONTACTMEASURE START 1		APPROCCIO CONTATTODISATTIVATO CONTACTAPPROACH OFF		AVVIO UNITA A RAVVIV. GREZZA MANUALE START UNIT AROUGH TRUING		REGOLAZIONE ADJUSTMENT	

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M3C0	MIDWITS 107	M3D0	NIDW533X 287	M3E0	TIDW56 495	M3F0	4DW80 554
	ATTIVAZIONE CICLO PROVA(LAMPADA) TEST CYCLE ON(LAMP)		GUASTO BATTERIACNC (LAMP.) CNC BATTERYFAULT(LAMP)		BLOCCO PROTEZIONEMOLA (LAMPADA) WHEEL GUARDLOCK ON(LAMP)		AVVIAM.MANDRINO PORTAP. STARTWORK SPINDLE
M3C1	MIDW10X 107	M3D1	NIDW550X 287	M3E1	TIDW57 495	M3F1	5DW1P 576
	ESEC. PLC PLC PUN		SERVO CNCPRONTO (LAMP.) CNC SERVOREADY(LAMP)		PROTEZIONE MOLAAPERTA (LAMPADA) WHEEL GUARDOPEN(LAMP)		SPORTELLLO APERTO DOOR OPENED
M3C2	MIDW15X 108	M3D2	NIDW10 292	M3E2	TIDW65 496	M3F2	5DW2P 576
	CAMBIO BATTERIAPLC PLC BATTERYCHANGE		MEMORIA POSIZ. (LAMP.) POS1. MEMORY (LAMP)		LUBRIFICAZIONE LUBRICATION		SPORTELLLO CHIUSO DOOR CLOSED
M3C3	MIDW16X 108	M3D3	NIDW20 294	M3E3	T2DW6X 510	M3F3	6DW3P 584
	GUASTO BATTERIA(LAMPADA) BATTERY FAULT(LAMP)		MEMORIA POSIZ. AUTON. (LAMP.) AUTO POS1. MEMORY (LAMP)		REFRIGERANTE COOLANT		RIT. TAVOLA - MANDR. PORTAP. (LAMPADA) RETURN TABLE - WORK SP. (LAMP)
M3C4	MIDW37X 111	M3D4	NIDW85 305	M3E4	1DW1P 527	M3F4	6DW4P 584
	GUASTO CN(LAMPADA) NC FAULT(LAMP)		CAMPIONATURA NON COMPLETATA(LAMP.) SAMPLING NOT COMPLETE(LAMP)		CENTRO CONTROPUNTARIT. (LAMPADA) FOOTSTOCKCENTER RET'D(LAMP)		INDICE TAVOLA - MANDR. PORTAP. (LAMPADA) INDEX TABLE - WORK SP. (LAMP)
M3C5	MIDW11 130	M3D5	NIDW12 306	M3E5	1DW2P 527	M3F5	6DW9P 584
	CONF. PRESENZA PEZZA WORK PRESENCE CONFIRM.		POSIZ. MEMORIA AUTOM. COMPL. AUTO POS1. MEMORY COMPLETE		CENTRO CONTROPUNTAAVAN. (LAMPADA) FOOTSTOCKCENTER ADV'D(LAMP)		POSIZ. REGOL. TAVOLA TABLE ADJUST POS1.
M3C6	MIDW3P 131	M3D6	NIDW200 311	M3E6	1DW11P 527	M3F6	7DW25P 623
	POS. PART. TUTTELE UNITA (LAMPADA) ALL UNIT HOMEP0SI. (LAMP)		CN IN CORSO (LAMP.) NC RUNNING(LAMP)		MANDRINO RIL. (LAMPADA) CHUCKUNCLAMPED(LAMP)		POSIZ. INIZIALETESTA PORTAM. WHEEL HEADHOME POS1.
M3C7	MIDW1G 134	M3D7	TIDW5X 471	M3E7	1DW12P 527	M3F7	7DW1 623
	CONT. (LAMPADA) CONTI. (LAMP)		ARIA AIR		MANDRINO AGG. (LAMPADA) CHUCKCLAMPED (LAMP)		ROTAZIONEMANDRINO PORTAM. WHEEL SPINDLEPORTATE
M3C8	MIDW5G 136	M3D8	TIDW5 488	M3E8	4DW11P 548	M3F8	7DW2 623
	AUTOM. SING. SINGLE AUTO		POMPA ON(LAMPADA) PUMP ON(LAMP)		RIT. LUN. AUTOM. AUTO-RESTRRETURN		ARRESTO APERTURA LIBERISPORT. MANDR. PORTAM. DOOR OPENFREE WHEEL SP STOP
M3C9	MIDW14 140	M3D9	TIDW5A 489	M3E9	4DW12P 548	M3F9	7DW12 625
	PULS. ARRESTO CICLO(LAMPADA) CYCLE STOP PB(LAMP)		POMPA ON(LAMPADA) PUMP ON(LAMP)		AVANZ. LUN. AUTOM. AUTO-RESTDVANCE		OK A CICLO RETTIF. OK TO GRINDINGCYCLE
M3CA	MIDW24 147	M3DA	TIDW6 489	M3EA	4DW15P 548	M3FA	7DW20 626
	OK PER AVVIARE(LAMPADA) OK TO START(LAMP)		RISPARMIO ENERGIA(LAMPADA) POWER SAVING(LAMP)		RIT. TESTA PORTAP. (LAMPADA) WORK HEAD RET. (LAMP)		CICLORETTIFICA GRAINDINGCYCLE
M3CB	MIDW72 152	M3DB	TIDW31 491	M3EB	4DW16P 548	M3FB	7DW60 630
	CALCOLO IN CORSORETTIFICA DATI GRIND. DATECALCULATE INPRO.		ESSICCATORE ARIA ON AIR DRYER ON		AV. TESTA PORTAP. (LAMPADA) WORK HEAD ADV. (LAMP)		AVVIAMENTOCICLO PROFILO PROFILE C/START
M3CC	MIDW79 153	M3DC	TIDW35 491	M3EC	4DW17P 549	M3FC	7DW61 630
	CALCOLO COMPLETATODATI RETTIFICA GRIND. DATECALCULATE COMPLETE		ALIMENTAZIONE (LAMPADA) POWER (LAMP)		RIT. LUN. (LAMPADA) REST RET. (LAMP)		ORIENT. CICLO PROFILO PROFILE C/ORIENT
M3CD	MIDW100 156	M3DD	TIDW2E 492	M3ED	4DW18P 549	M3FD	8DW3X 658
	CAMP. PROFILO(LAMP.) PROFILE SAMPLING (LAMP)		ARRESTO EMERGENZAP. PRINCIP. (LAMPADA) MAIN OP. EMERGENCY STOP (LAMP)		AVANZ. LUN. (LAMPADA) REST ADV. (LAMP)		PREVISIONESOSTIT. MOLA WHEEL CHANGEFORECAST
M3CE	NIDW10X 283	M3DE	TIDW3E 492	M3EE	4DW25 551	M3FE	8DW16X 659
	EFFETTO MANOPOLACICLO PROFILO (LAMP.) PROFILE CYCLEHAND EFFECT (LAMP)		ARRESTO EMERGENZAP. SEC. (LAMPADA) SAB OP. EMERGENCY STOP (LAMP)		AVVIOMANDRINO PORTAP. (LAMP.) STARTWORK SPINDLE (LAMP)		PREVISIONE SOSTIT. RULLO RIPASSATURA DRESS ROLLCHANGE FORECAST
M3CF	NIDW11X 283	M3DF	TIDW1E 492	M3EF	4DW26 551	M3FF	8DW20X 659
	EFFETTO MANOPOLACICLO PROFILO PRFILE CYCLEHAND EFFECT (LAMP)		ARRESTOEMERG. (LAMPADA) EMERGENCYSTOP (LAMP)		ARRESTOMANDR. PORTAP. (LAMPADA) WORK SPINDLESTOP (LAMP)		PREVISIONE SOSTIT. RULLO DIAMANTE DIAMOND ROLLCHANGE FORCAST

M400	8DW24X 660	M410	NIDWK4 302	M420	MIDK166S 165	M430	MIDK174S 173
	PREVISIONE SOSTIT. PERNO CONTATTO CONTACT PINCHANGE FORECAST		COMPL. MEMORIA POS. RIPASS. (SEC.) (LAMP.) POS1. MEMORY DRESSER COMPLETE (SUB) (LAMP)		IMP. SELEZ. PARTI 6 PARTS SELECT 6 SET		IMP. SELEZ. PARTI 14 PARTS SELECT 14 SET
M401	8DW30X 660	M411	NIDWK1 305	M421	MIDK166R 165	M431	MIDK174R 173
	PREVISIONE SOSTITUZ. (LAMPADA) CHANGE FORECAST(LAMP)		CAMBIO MOLA POS. MEMORIACOMPLET. (LAMP.) POS1. MEMORY WHEEL CHANGECOMPLETE(LAMP)		RESET SELEZ. PARTI 6 PARTS SELECT 6 RESET		RESET SELEZ. PARTI 14 PARTS SELECT 14 RESET
M402	8DW20 664	M412	NIDWK2 305	M422	MIDK167S 166	M432	MIDK175S 174
	SOSTITUZIONEMOLA RITORNO RET. WHEELCHANGE		CAMBIO MOLA POS. MEMORIACOMPLET. (LAMP.) POS1. MEMORY WHEEL CHANGE COMPLETE(LAMP)		IMP. SELEZ. PARTI 7 PARTS SELECT 7 SET		IMP. SELEZ. PARTI 15 PARTS SELECT 15 SET
M403	8DW80 670	M413	4DWK2 558	M423	MIDK167R 166	M433	MIDK175R 174
	SOSTITUZIONE RULLODIAMANTE RIT. RET. DIA ROLL CHANGE		INSERIMENTO PERNOCONANDO (LAMPADA) DRIVE PININSERT (LAMP)		RESET SELEZ. PARTI 7 PARTS SELECT 7 RESET		RESET SELEZ. PARTI 15 PARTS SELECT 15 RESET
M404	8DW100 674	M414	7DWK1 627	M424	MIDK168S 167	M434	MIDK176S 175
	SOSTITUZIONE PERNOCONTATTO RIT. RET. CONTACT PIN CHANGE		RETTIFICACOMPLETATA GRINDINGCOMPLETE		IMP. SELEZ. PARTI 8 PARTS SELECT 8 SET		IMP. SELEZ. PARTI 16 PARTS SELECT 16 SET
M405	9DW20 688	M415	9DWK1 692	M425	MIDK168R 167	M435	MIDK176R 175
	AVVIAMENTO RAVVIVATURA (LAMPADA) TRUING START (LAMP)		COMPLETAN. RIPASSATURAGREZZA (LAMPADA) ROUGH DRESSCOMPLETE (LAMP)		RESET SELEZ. PARTI 8 PARTS SELECT 8 RESET		RESET SELEZ. PARTI 16 PARTS SELECT 16 RESET
M406	9DW40 691	M416	MIDK161S 160	M426	MIDK169S 168	M436	MIDK177S 176
	AVVIAM. RAVVIV. GREZZA MANUALE (LAMPADA) MANUAL ROUGH TRUINGSTART (LAMP)		IMP. SELEZ. PARTI 1 PARTS SELECT 1 SET		IMP. SELEZ. PARTI 9 PARTS SELECT 9 SET		IMP. SELEZ. PARTI 17 PARTS SELECT 17 SET
M407	9DW42A 691	M417	MIDK161R 160	M427	MIDK169R 168	M437	MIDK177R 176
	ARRESTO RIPASSATURA GREZZA (LAMPADA) STOP ROUGH DRESSING (LAMP)		RESET SELEZ. PARTI 1 PARTS SELECT 1 RESET		RESET SELEZ. PARTI 9 PARTS SELECT 9 RESET		RESET SELEZ. PARTI 17 PARTS SELECT 17 RESET
M408	9DW80 695	M418	MIDK162S 161	M428	MIDK170S 169	M438	MIDK178S 177
	AVVIAM. APPROCCIOCONTATTO (LAMPADA) CONTACT APPROACHSTART (LAMP)		IMP. SELEZ. PARTI 2 PARTS SELECT 2 SET		IMP. SELEZ. PARTI 10 PARTS SELECT 10 SET		IMP. SELEZ. PARTI 18 PARTS SELECT 18 SET
M409	9DW126 702	M419	MIDK162R 161	M429	MIDK170R 169	M439	MIDK178R 177
	ARRESTO RULLODIAMANTE (LAMPADA) DIAMOND ROLLSTOP (LAMP)		RESET SELEZ. PARTI 2 PARTS SELECT 2 RESET		RESET SELEZ. PARTI 10 PARTS SELECT 10 RESET		RESET SELEZ. PARTI 18 PARTS SELECT 18 RESET
M40A	9DW127 702	M41A	MIDK163S 162	M42A	MIDK171S 170	M43A	MIDK179S 178
	AVVIAM. RULLODIAMANTE (LAMPADA) DIAMOND ROLLSTART (LAMP)		IMP. SELEZ. PARTI 3 PARTS SELECT 3 SET		IMP. SELEZ. PARTI 11 PARTS SELECT 11 SET		IMP. SELEZ. PARTI 19 PARTS SELECT 19 SET
M40B	9DW128 702	M41B	MIDK163R 162	M42B	MIDK171R 170	M43B	MIDK179R 178
	AVVIAM. RULLODIAMANTE (LAMPADA) DIAMOND ROLLSTART (LAMP)		RESET SELEZ. PARTI 3 PARTS SELECT 3 RESET		RESET SELEZ. PARTI 11 PARTS SELECT 11 RESET		RESET SELEZ. PARTI 19 PARTS SELECT 19 RESET
M40C	9DW155 705	M41C	MIDK164S 163	M42C	MIDK172S 171	M43C	NIDK1 305
	RAVVIV. CONTATTO (LAMPADA) TRUING CONTACT (LAMP)		IMP. SELEZ. PARTI 4 PARTS SELECT 4 SET		IMP. SELEZ. PARTI 12 PARTS SELECT 12 SET		DIAM. MOLA POSIZ. MEMORIA (LAMP.) POS1. MEMORY WHEEL DIAMETER (LAMP)
M40D	9DW199 711	M41D	MIDK164R 163	M42D	MIDK172R 171	M43D	NIDK5 305
	AVVIAM. RAVVIV. GREZZA (LAMPADA) ROUGH TRUINGSTART (LAMP)		RESET SELEZ. PARTI 4 PARTS SELECT 4 RESET		RESET SELEZ. PARTI 12 PARTS SELECT 12 RESET		RULLO DIAM. POSIZ. MEMORIA (LAMP.) POS1. MEMORY DIAMOND ROLL (LAMP)
M40E	9DW200 711	M41E	MIDK165S 164	M42E	MIDK173S 172	M43E	NIDK3 305
	RIPASSATURA DRESSING		IMP. SELEZ. PARTI 5 PARTS SELECT 5 SET		IMP. SELEZ. PARTI 13 PARTS SELECT 13 SET		PERNO CONTATTO POSIZ. MEM. (LAMP.) POS1. MEMORY CONTACT PIN (LAMP)
M40F	MIDWK100 156	M41F	MIDK165R 164	M42F	MIDK173R 172	M43F	NIDK7 305
	CAMP. COMPLETATA (LAMP.) SAMPLING COMPLETE (LAMP)		RESET SELEZ. PARTI 5 PARTS SELECT 5 RESET		RESET SELEZ. PARTI 13 PARTS SELECT 13 RESET		CAMBIO MOLA POS. MEMORIACOMPLET. POS1. MEMORY WHEEL CHANGECOMPLETE

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M440	NIDK10	306	M450	NIDM40A	275	M460	NIDM05B	277	M470	NIDM57C	280
	POSIZ. MEMORIA COMPL. POSI. MEMORY COMPLETE			RETTIF. COMPLETATA CODICE M UNITA A A UNIT M CODEGRINDING COMPLETE			ARRESTO MANDRINO PORTAP. CODICE M UNITA B B UNIT M CODEWORK SP. STOP			CODICE M UNITA C C UNIT M CODE	
M441	NIDK11	306	M451	NIDM42A	275	M461	NIDM46B	277	M471	N2DMF1A	367
	POSIZ. MEMORIA AUTOM. COMPL. AUTO POSI. MEMORY COMPLETE			RETTIF. COMPLETATA CODICE M UNITA A A UNIT M CODEGRINDING COMPLETE			CODICE M UNITA B B UNIT M CODE			MF UNITA A A UNIT MF	
M442	NIDK12	306	M452	NIDM46A	275	M462	NIDM25B	278	M472	N2DMF1B	367
	POSIZ. MEMORIA AUTOM. COMPL. AUTO POSI. MEMORY COMPLETE			RETTIF. COMPLETATA CODICE M UNITA A A UNIT M CODEGRINDING COMPLETE			RIT. LUNETTACODICE M UNITA B B UNIT M CODE REST RET.			MF UNITA B B UNIT MF	
M443	NIDM00A	273	M453	NIDM49A	275	M463	NIDM27B	278	M473	N2DMF1C	367
	ARRESTO PROGRAMMACODICE M UNITA A A UNIT M CODEPROGRAM STOP			IMPOSTAZIONE DATI TEMP. CODICE M UNITA A A UNIT M CODETEMP. DATA SET			SBLOCCO TRAVERSA LUNETTACODICE M UNITA B B UNIT M CODE REST TRAVERSE UNCLAMP			MF UNITA C C UNIT MF	
M444	NIDM01A	273	M454	NIDM53A	275	M464	NIDM26B	278	M474	M1D3GA	134
	ARRESTO FAC. CODICE M UNITA A A UNIT M CODEOPTIONAL STOP			AVVIO OSCILLAZIONE CODICE M UNITA A A UNIT M CODE OSCILLATION START			BLOCCO TRAVERSA LUNETTACODICE M UNITA B B UNIT M CODE REST TRAVERSE CLAMP			CONDIZIONE AVVIAMENTO CICLO CONTINUO CONTI. CYCLE START CONDEI.	
M445	NIDM02A	273	M455	NIDM58A	275	M465	NIDM24B	278	M475	M1DWISU	105
	FINE ARRESTO CODICE M UNITA A A UNIT M CODEEND OF STOP			CODICE M UNITA A A UNIT M CODE			AVANZ. LUNETTACODICE M UNITA B B UNIT M CODE REST ADV.			CAMBIO SET UP (LAMP)	
M446	NIDM03A	273	M456	NIDM27A	276	M466	NIDM00C	279	M476		
	AVANZ. MANDRINO PARTAP. CODICE M UNITA A A UNIT M CODEWORK SP. FORWARD			SBLOCCO TRAVERSA LUNETTACODICE M UNITA A A UNIT M CODE REST TRAVERSE UNCLAMP			ARRESTO PROGRAMMACODICE M UNITA C C UNIT M CODEPROGRAM STOP				
M447	NIDM04A	273	M457	NIDM26A	276	M467	NIDM01C	279	M477		
	RIAVV. MANDRINO PARTAP. CODICE M UNITA A A UNIT M CODEWORK SP. REVERSE			BLOCCO TRAVERSA LUNETTACODICE M UNITA A A UNIT M CODE REST TRAVERSE CLAMP			ARRESTO FAC. CODICE M UNITA C C UNIT M CODEOPTIONAL STOP				
M448	NIDM05A	273	M458	NIDM24A	276	M468	NIDM02C	279	M478		
	ARRESTO MANDRINO PORTAP. CODICE M UNITA A A UNIT M CODEWORK SP. STOP			AVANZ. LUNETTA COD. M UNITA A A UNIT M CODE REST ADV.			FINE PROGRAMMACODICE M UNITA C C UNIT M CODEEND OF PROGRAM				
M449	NIDM06A	274	M459	NIDM50A	276	M469	NIDM03C	279	M479		
	MEMORIA POSIZIONE COMP. CODICE M UNITA A A UNIT M CODE POSITION MEMORY COMPLETE			POS. RETTIF. LUNETTACODICE M UNITA A A UNIT M CODE REST GRINDING POSI.			AVANZ. MANDRINO PORTAP. CODICE M UNITA C C UNIT M CODEWORK SP. FORWARD				
M44A	NIDM25A	274	M45A	NIDM51A	276	M46A	NIDM04C	279	M47A		
	RIT. LUN. CODICE M UNITA A A UNIT M CODE REST RET.			POS. PART. LUNETTACODICE M UNITA A A UNIT M CODE REST HOME POSI.			RIT. MANDRINO PORTAP. CODICE M UNITA C C UNIT M CODEWORK SP. REVERSE				
M44B	NIDM15A	274	M45B	NIDM00B	277	M46B	NIDM05C	279	M47B		
	CALIBRATORE AUTOM. AVANZ. I CODICE M UNITA A A UNIT M CODE AUTO-SIZER ADVANCE 1			ARRESTO PROGRAMMACODICE M UNITA B B UNIT M CODEPROGRAM STOP			ARRESTO MANDRINO PORTAP. CODICE M UNITA C C UNIT M CODEWORK SP. STOP				
M44C	NIDM16A	274	M45C	NIDM01B	277	M46C	NIDM34C	280	M47C		
	RITORNO CALIB. AUTOM. CODICE M UNITA A A UNIT M CODE AUTO-SIZER RETURN			ARRESTO FAC. CODICE M UNITA B B UNIT M CODEOPTIONAL STOP			CODICE M UNITA C C UNIT M CODE				
M44D	NIDM34A	274	M45D	NIDM02B	277	M46D	NIDM35C	280	M47D		
	LIMITE ALIM. CODICE M UNITA A A UNIT M CODEPOWER LIMIT			FINE PROGRAMMACODICE M UNITA B B UNIT M CODEEND OF PROGRAM			CODICE M UNITA C C UNIT M CODE				
M44E	NIDM38A	274	M45E	NIDM03B	277	M46E	NIDM38C	280	M47E		
	LIMITE ALTM. CODICE M UNITA A A UNIT M CODEPOWER LIMIT			AVANZ. MANDRINO PORTAP. CODICE M UNITA B B UNIT M CODEWORK SP. FORWARD			CICLO CONTROLLO PERNO CODICE M UNITA C C UNIT M CODE PIN CHECK CYCLE				
M44F	NIDM39A	275	M45F	NIDM04B	277	M46F	NIDM39C	280	M47F		
	LIMITE ALIM. CODICE M UNITA A A UNIT M CODEPOWER LIMIT			RIAVV. MANDRINO PORTAP. CODICE M UNITA B B UNIT M CODEWORK SP. REVERSE			CICLO CONTROLLO PERNO CODICE M UNITA C C UNIT M CODE PIN CHECK CYCLE				

M540	M2D20X	207	M550	M2D10X	205	M560	M1D301	191	M570	M1D01X	724
	PEZZO N. 0 WORK NO. 0			PEZZO N. 0 WORK NO. 0			PEZZO CNC N. 1 CNC WORK NO. 1			TEMPORIZZATORE DIFETTO FINECORSAAUTO-LUNETTA 1 AUTO-REST 1LS FAULT TIMER	
M541	M2D21X	207	M551	M2D11X	205	M561	M1D302	191	M571	M1D02X	724
	PEZZO N. 1 WORK NO. 1			PEZZO N. 10 WORK NO. 10			PEZZO CNC N. 2 CNC WORK NO. 2			DIFETTO FINECORSAAUTO-LUNETTA 1 AUTO-REST 1LS FAULT	
M542	M2D22X	207	M552	M2D12X	205	M562	M1D304	192	M572	M1D03X	724
	PEZZO N. 2 WORK NO. 2			ESCL. NOT USE			PEZZO CNC N. 4 CNC WORK NO. 4			TEMPORIZZATORE DIFETTO FINECORSAAUTO-LUNETTA 2 AUTO-REST 2LS FAULT TIMER	
M543	M2D23X	207	M553	M2D13X	205	M563	M1D308	192	M573	M1D04X	724
	PEZZO N. 3 WORK NO. 3			ESCL. NOT USE			PEZZO CNC N. 8 CNC WORK NO. 8			DIFETTO FINECORSAAUTO-LUNETTA 2 AUTO-REST 2LS FAULT	
M544	M2D24X	207	M554	M2D14X	205	M564	M1D310	193	M574	M1D05X	724
	PEZZO N. 4 WORK NO. 4			ESCL. NOT USE			PEZZO CNC N. 10 CNC WORK NO. 10			TEMPORIZZATORE DIFETTO FINECORSAAUTO-LUNETTA 3 AUTO-REST 3LS FAULT TIMER	
M545	M2D25X	207	M555	M2D15X	205	M565	T1D64X	480	M575	M1D06X	724
	PEZZO N. 5 WORK NO. 5			ESCL. NOT USE			GUASTO TEMP. OLIO LUBR. LUBE. OIL TEMP. FAULT			DIFETTO FINECORSAAUTO-LUNETTA 3 AUTO-REST 3LS FAULT	
M546	M2D26X	208	M556	M2D16X	205	M566	M1D1A1X	106	M576	M1D07X	725
	PEZZO N. 6 WORK NO. 6			ESCL. NOT USE			REGOLAZIONE ADJUSTMENT			TEMPORIZZATORE DIFETTO FINECORSAAUTO-LUNETTA 4 AUTO-REST 4LS FAULT TIMER	
M547	M2D27X	208	M557	M2D17X	205	M567			M577	M1D08X	725
	PEZZO N. 7 WORK NO. 7			ESCL. NOT USE						DIFETTO FINECORSAAUTO-LUNETTA 4 AUTO-REST 4LS FAULT	
M548	M2D28X	208	M558	M2D18X	205	M568			M578	M1D09X	725
	PEZZO N. 8 WORK NO. 8			ESCL. NOT USE						TEMPORIZZATORE DIFETTO FINECORSASPORTELLO DOORLS FAULT TIMER	
M549	M2D29X	208	M559	M2D19X	205	M569			M579	M1D010X	725
	PEZZO N. 9 WORK NO. 9			ESCL. NOT USE						DIFETTO FINECORSASPORTELLO DOORLS FAULT	
M54A	M2D29AX	208	M55A	M2D19AX	206	M56A			M57A	M1D011X	725
	ESCL. NOT USE			ESCL. NOT USE						TEMPORIZZATORE DIFETTO FINECORSAAUTO-LUNETTA 4 AUTO-REST 4LS FAULT TIMER	
M54B	M2D29BX	208	M55B	M2D19BX	206	M56B			M57B	M1D012X	725
	ESCL. NOT USE			ESCL. NOT USE						DIFETTO FINECORSAAUTO-LUNETTA 4 AUTO-REST 4LS FAULT	
M54C	M2D29CX	208	M55C	M2D19CX	206	M56C			M57C	M1D013X	725
	ESCL. NOT USE			ESCL. NOT USE						TEMPORIZZATORE DIFETTO FINECORSAAUTO-LUNETTA 4 AUTO-REST 4LS FAULT	
M54D	M2D29DX	208	M55D	M2D19DX	206	M56D			M57D	M1D014X	725
	ESCL. NOT USE			ESCL. NOT USE						DIFETTO FINECORSAAUTO-LUNETTA 4 AUTO-REST 4LS FAULT	
M54E	M2D29EX	208	M55E	M2D19EX	206	M56E			M57E	M1D015X	726
	ESCL. NOT USE			ESCL. NOT USE						TEMPORIZZATORE DIFETTO FINECORSAAUTO-LUNETTA 4 AUTO-REST 4LS FAULT	
M54F	M2D29FX	208	M55F	M2D19FX	206	M56F			M57F	M1D016X	726
	ESCL. NOT USE			ESCL. NOT USE						DIFETTO FINECORSAAUTO-LUNETTA 4 AUTO-REST 4LS FAULT	

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M580	M10D50X 726	M590	M10D107X 731	M5A0		M5B0	8D13A 663
	DIFETTO FINECORSAL S FAULT		OLTREPASSAMENTO TEMPO CICLOAVANTI AUTO-LUNETTA 4 AUTO REST 4 ADV. CYCLE TIME OVER				PULS. ON SOSTITUZ. MOLA RIT. RET. WHEELCHANGE PB ON
M581	M10D51X 726	M591	M10D108X 731	M5A1	M10D5GA 136	M5B1	8D73A 669
	DIFETTO MOVIMENTOAVANZAMENTO AUTO-LUNETTA AUTO-REST ADV. MOVEING FAULT		OLTREPASSAMENTO TEMPO CICLOAVANTI AUTO-LUNETTA 4 AUTO REST 4 RET. CYCLE TIME OVER				PULS. ON SOSTIT. RULLO DIAM. RIT. RET. DIA. ROLLCHANGE PB ON
M582	M10D52X 727	M592	M10D109X 731	M5A2	M10D1GA 134	M5B2	8D93A 673
	DIFETTO MOVIMENTORICHIAMO AUTO-LUNETTA AUTO-REST RET. MOVEING FAULT		OLTREPASSAMENTO TEMPO CICLOCHIUSURA SPORTELLO DOOR CLOSECYCLE TIME OVER				PULS. ON SOSTIT. PERNO CONTATTO RIT. RET. CONTACT PINCHANGE PB ON
M583	M10D53X 727	M593	M10D110X 731	M5A3	M10D8GA 138	M5B3	9D13A 687
	DIFETTO MOVIMENTOAPERTURA SPORTELLO DOOR OPENMOVEING FAULT		OLTREPASSAMENTO TEMPO CICLOAPERTURA SPORTELLO DOOR OPENCYCLE TIME OVER				AVVIAM. RAVVIVATURA (PRINC.) TRUING START (MAIN)
M584	M10D54X 727	M594	M10D111X 732	M5A4	1D133A 532	M5B4	9D33A 690
	DIFETTO MOVIMENTOCHIUSURA SPORTELLO DOOR CLOSEMOVEING FAULT		OLTREPASSAMENTO TEMPO CICLO CYCLE TIME OVER		CENTRO CONTROPUNTARIT. (MANUALE) FOOTSTOCK CENTER RET. (MANUAL)		AVVIAM. RAVVIV. GREZZA MANUALE (PRINCIP.) MANUAL ROUGH TRUINGSTART (MAIN)
M585	M10D55X 728	M595	M10D112X 732	M5A5	M10D6GA 151	M5B5	9D73A 694
	DIFETTO MOVIMENTO MOVEING FAULT		OLTREPASSAMENTO TEMPO CICLO CYCLE TIME OVER		AVVIO MDI MDI START		AVVIAM. APPROCCIOCONTATTO (PRINC.) CONTACT APPROACHSTART (MAIN)
M586	M10D56X 728	M596	M10D149X 732	M5A6	M10D93A 154	M5B6	9D93A 696
	DIFETTO MOVIMENTO MOVEING FAULT		OLTREPASSAMENTO TEMPO CICLO CYCLE TIME OVER		ATTIVAZ. PULSANTE CAMP. PROFILO PROFILE SAMPLING PB ON		AVVIAM. APPROCCIOCONTATTO (PRINC.) CONTACT APPROACHSTART (MAIN)
M587	M10D57X 728	M597	M10D150X 733	M5A7	M10D273A 188	M5B7	9D193A 710
	DIFETTO MOVIMENTO MOVEING FAULT		OLTREPASSAMENTO TEMPO CICLO CYCLE TIME OVER		CICLO CAMBIO TIPO SET UP CHANGE CYCLE		AVVIAM. RAVVIV. GREZZA (PRINC.) ROUGH TRUINGSTART (MAIN)
M588	M10D58X 728	M598	6D16P 583	M5A8	1D113A 531	M5B8	
	DIFETTO MOVIMENTO MOVEING FAULT		POSIZIONE CAMBIO IMPOSTAZ. TAVOLA TABLE SET UP CHANGE POSI.		CENTRO CONTROPUNTA AVANZ. FOOTSTOCK CENTER ADV.		
M589	M10D100X 729	M599	M10D200X 733	M5A9	4D113A 556	M5B9	
	DIFETTO MOVIMENTO MOVEING FAULT		DIFETTO FINECORSAL S, SOL FAULT		PULS. INSER. ONPERNO COMANDO DRIVE PININSERT P. B ON		
M58A	M10D101X 729	M59A		M5AA	4D133A 559	M5BA	
	OLTREPASSAMENTO TEMPO CICLOAVANTI AUTO-LUNETTA 1 AUTO REST 1 ADV. CYCLE TIMER OVER				TESTA PORTAP. AV WORK HEAD ADV.		
M58B	M10D102X 729	M59B		M5AB	4D153A 561	M5BB	
	OLTREPASSAMENTO TEMPO CICLOAVANTI AUTO-LUNETTA 1 AUTO REST 1 RET. CYCLE TIMER OVER				TESTA PORTAP. RIT. WORK HEAD RET.		
M58C	M10D103X 730	M59C		M5AC	6D13A 586	M5BC	
	OLTREPASSAMENTO TEMPO CICLOAVANTI AUTO-LUNETTA 2 AUTO REST 2 ADV. CYCLE TIME OVER				PULS. POSIZ. RETTIF. TAVOLA ON TABLE GR. POSI. P. B. ON		
M58D	M10D104X 730	M59D		M5AD	6D33A 588	M5BD	M1D341 195
	OLTREPASSAMENTO TEMPO CICLOAVANTI AUTO-LUNETTA 2 AUTO REST 2 RET. CYCLE TIME OVER				PULS. ONRIT. TAVOLA TABLE RET. P. B. ON		M1D342 195
M58E	M10D105X 730	M59E		M5AE	6D53A 589	M5BE	COND. SBLOCC. SPORTELLO DOOR OPENMOVING CONDI.
	OLTREPASSAMENTO TEMPO CICLOAVANTI AUTO-LUNETTA 3 AUTO REST 3 ADV. CYCLE TIME OVER				PULS. ONPOS. REGOLAZ. TAVOLA TABLE ADJUST POSI. P. B. ON		M1D343 195
M58F	M10D106X 730	M59F		M5AF	7D13A 625	M5BF	COND. SBLOCC. SPORTELLO DOOR OPENMOVING CONDI.
	OLTREPASSAMENTO TEMPO CICLOAVANTI AUTO-LUNETTA 3 AUTO REST 3 RET. CYCLE TIME OVER				PULS. ONCICLO RETTIF. GRINDING C/LPB ON		

M600	M2D50 215	M610	M2D70 221	M620	M2D91 224	M630	M2D381 244
	TIPO PEZZO 1 WORK TYPE 1		TIPO PEZZO 1 WORK TYPE 1		CODICE DISPLAY 1 DISPLAY CODE 1		PEZZO N. 1 WORK TYPE 1
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	TEMPORIZZATORE DIS. AVVIO UNITA B UNIT B STARTOFF TIMER		TEMPORIZZATORE ASSENZA NEBBIA OLIO (LUB. AUTOM.) NO MIST OIL TIMER (AUTO REST)		TEMPORIZZATORE LUBRIF. ON LUBRICATION ON TIMER		CENTRO CONTROPUNTA AVANZ. FOOTSTOCK CENTER ADV'D
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	TEMPORIZZATORE PROGRAMMA UNITA D OFF UNIT D PROGRAM OFF TIMER		TEMPORIZZATORE ASSENZA NEBBIA OLIO (RAVVI.) NO MIST OIL (TRUING) TIMER		REFRIG. VUOTO COOLANT EMPTY		MANDRINO AGG. CHUCK CLAMPED
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	TEMPORIZZATORE PROGRAMMA UNITA E OFF UNIT E PROGRAM OFF TIMER		TEMPORIZZATORE ASSENZA NEBBIA OLIO (RAVVI.) NO MIST OIL (TRUING) TIMER		BASSA PRESSIONE REFRIG. COOLANT PRESSURE DOWN		MANDRINO RILASC. CHUCK UNCLAMPED
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	CONTROLLO OFF PRESS. LUBRIF. (VITE) LUBRICATION PRESSURE OFF CHECK (SCREW)		POMPA LUB. (LUB. AUTOM.) (NEBBIA) TEMPORIZZATORE INTERV. 4 RET. 4 LUB. PUMP (AUTO REST) (MIST) INTERVAL OFF TIMER		CONF. ARRESTO MANDR. PORTAMOLA WHEEL SP. STOPPED CONF.		TEMPORIZZATORE CONF. GUASTO IND. MANDRINO PORTAP. WORK SPINDLE INDEX FAULT CONFIRM. TIMER
T04F	TIT8X 472	T05F	TIT9 490	T06F	T2T7 514	T07F	IT13X 540
	CONTROLLO ON PRESS. LUBRIF. (GUIDA) LUBRICATION PRESSURE ON CHECK (SLIDE)		POMPA LUB. (RAVVI.) (NEBBIA) TEMPORIZZATORE INTERV. 4 RET. 4 LUB. PUMP (TRUING) (MIST) INTERVAL ON TIMER UNIT		CONF. ARRESTO MANDR. PORTA IN DISATTIV. MANDRINATA CONFIRM. OF WHEEL SPINDLE STOP AT MOMENTARY OFF		TEMPORIZZATORE INSER. PERNO COMANDO DRIVE PIN INSERT TIMER
T080	IT25X 541	T090	IT78XB 615	TOA0	IT9141 703	TOB0	IT10T51X 726
	GUASTO ROTAZ. MANDRINO PORTAP. WORK SPINDLE ROTATION FAULT		GUASTO TEMP. RISCALD. MANDR. PORTAM. WHEEL SP. WARMUP TEMP FAULT		TEMPORIZZATORE MISURACONTATTO 1 CONTACT MEASURE 1 TIMER		TEMPORIZZATORE DIFETTOMOVIMENTO AVANZAMENTO-LIBERTA AUTO-REST ADV. MOVING FAULT TIMER
T081	IT30X 542	T091	IT730X 618	TOA1	IT9142 703	TOB1	IT10T52X 727
	GUASTO ROTAZ. PEZZO WORK ROTATION FAULT		TEMPORIZZATORE ASSENZA OLIO CUSC. NO BERG. OIL TIMER		AVVIA. MISURACONTATTO 1 CONTACT MEASURE START 1		TEMPORIZZATORE DIFETTOMOVIMENTO RICHIAMAMENTO-LIBERTA AUTO-REST RET. MOVING FAULT TIMER
T082	IT31X 543	T092	IT738X 619	TOA2	IT9152 705	TOB2	IT10T53X 727
	GUASTO INT. PROSS. LAT. ON MANDR. PORTAP. WORK SPINDLE SIDE PROXIMITY SWITCH ON FAULT		TEMPORIZZATORE ASSENZA LIQUIDO RAFFR. NO COOLING WATER TIMER		AVVIA. RAVVIV. CONTATTO 2 TRUING CONTACT START 2		TEMPORIZZATORE DIFETTOMOVIMENTO APERTURA SPORTELLA DOOR OPEN MOVING FAULT TIMER
T083	IT32X 543	T093	IT748X 621	TOA3	IT9159 706	TOB3	IT10T54X 727
	GUASTO INT. PROSS. LAT. OFF MANDR. PORTAP. WORK SPINDLE SIDE PROXIMITY SWITCH OFF FAULT		CONTR. ATTIVAZ. INTER. FLUSSO REFR. MANDR. PORTAM. W. SP. COOLING WATER FLOW SW. ON CHECK		CICLO AUTOM. OFF AUTO CYCLE OFF		TEMPORIZZATORE DIFETTOMOVIMENTO CHIUSURA SPORTELLA DOOR CLOSE MOVING FAULT TIMER
T084	IT33X 543	T094	IT749X 621	TOA4	IT9300 715	TOB4	IT10T55X 727
	GUASTO INT. PROSS. LAT. ON PEZZO WORK SPINDLE SIDE PROXIMITY SWITCH ON FAULT		CONTR. DISATTIVAZ. INTER. FLUSSO REFR. MANDR. PORTAM. W. SP. COOLING WATER FLOW SW. OFF CHECK		RAVVIATURA TRUING		TEMPORIZZATORE DIFETTOMOVIMENTO MOVING FAULT TIMER
T085	IT34X 543	T095	IT71 623	COA5	MICTR43X 113	TOB5	IT10T56X 728
	GUASTO INT. PROSS. LAT. OFF PEZZO WORK SPINDLE SIDE PROXIMITY SWITCH OFF FAULT		ROTAZIONE MANDRINO PORTAM. WHEEL SPINDLE ROTATE		CONTATORE CALCOLO CONTEGGIO DOPO QUALITA COUNT AFTER QUALITY COUNTER COUNT UP		TEMPORIZZATORE DIFETTOMOVIMENTO MOVING FAULT TIMER
T086	IT37X 544	T096	IT774 630	TOA6	IT1141 493	TOB6	IT10T57X 728
	GUASTO PRESS. OLIO LUB. MANDRINO PORTAP. WORK SP. LUB. OIL PRESSURE FAULT		TEMPORIZZATORE ARRESTO MANDR. PORTAM. WHEEL SPINDLE STOP TIMER		COND. ESEC. APERTURA SPORT. DOOR OPEN RUN CONDI.		TEMPORIZZATORE DIFETTOMOVIMENTO MOVING FAULT TIMER
T087	IT38X 544	T097	IT7106 632	TOA7	M2T150 236	TOB7	IT10T58X 728
	GUASTO PRESS. OLIO LUB. MANDRINO PORTAP. WORK SP. LUB. OIL PRESSURE FAULT		TEMPORIZZATORE POMPA RAFFR. MANDRINO PORTAM. OFF WHEEL SPINDLE COOLING PUMP OFF TIMER		TIPO PEZZO OK WORK TYPE OK		TEMPORIZZATORE DIFETTOMOVIMENTO MOVING FAULT TIMER
T088	IT12P 545	T098	IT7108 633	TOA8	M2T132 233	TOB8	IT10T101X 729
	LUN. AUTOM. AVANZ. AUTO-REST ADV'D		TEMPORIZZATORE ARRESTO MANDR. PORTAM. WHEEL SPINDLE STOP TIMER		CAMBIO TUTTI I TIPI ESEGUITO ALL SET-UP CHANGE COMPLETE		TEMPORIZZATORE ULTRAPASSAGGIO TEMPO CICLO RICHIAMAMENTO-LIBERTA 1 AUTO REST 1 ADV. CYCLE TIME OVER TIMER
T089	IT1 545	T099	IT7110 634	TOA9	M2T133 233	TOB9	IT10T102X 729
	CONFERMA ARR. MANDR. PORTAP. CONFIRMATION WORK SPINDLE STOP		TEMPORIZZATORE COMPLETAM. CICLO RISCALD. WARMING UP CYCLE COMPLETE TIMER		CAMBIO TUTTI I TIPI ESEGUITO ALL SET-UP CHANGE COMPLETE		TEMPORIZZATORE ULTRAPASSAGGIO TEMPO CICLO RICHIAMAMENTO-LIBERTA 1 AUTO REST 1 RET. CYCLE TIME OVER TIMER
T08A	IT196 564	T09A	IT7153 635	TOAA	M2T216 240	TOBA	IT10T103X 729
	TEMPO LUBR. INTERMITT. ON MANDR. PORTAP. WORK SPINDLE INTERMITTENT LUBRICATION ON TIME		RETTIF. VELOCITA MANDRINO PORTAM. WHEEL SP. SPEED GRINDING		CONFERMA CAMBIO TIPO CONFORMATION SET-UP CHANGE		TEMPORIZZATORE ULTRAPASSAGGIO TEMPO CICLO RICHIAMAMENTO-LIBERTA 2 AUTO REST 2 ADV. CYCLE TIME OVER TIMER
T08B	IT197 564	T09B	IT7154 635	TOAB	M2T217 240	TOBB	IT10T104X 730
	TEMPO LUBR. INTERMITT. OFF MANDR. PORTAP. WORK SPINDLE INTERMITTENT LUBRICATION OFF TIME		RAVVI. VELOCITA MANDRINO PORTAM. WHEEL SP. SPEED TRUING		CONFERMA CAMBIO TIPO CONFORMATION SET-UP CHANGE		TEMPORIZZATORE ULTRAPASSAGGIO TEMPO CICLO RICHIAMAMENTO-LIBERTA 2 AUTO REST 2 RET. CYCLE TIME OVER TIMER
T08C	IT10B 611	T09C	IT7200 637	TOAC	IT111 488	TOBC	IT10T105X 730
	ARRESTO MANDR. AL RITORNO SPINDLE STOP WHEN RETURN		CICLO RETTIFICA GRINDING CYCLE		POMPA IDR. ON HYD PUMP ON		TEMPORIZZATORE ULTRAPASSAGGIO TEMPO CICLO RICHIAMAMENTO-LIBERTA 3 AUTO REST 3 ADV. CYCLE TIME OVER TIMER
T08D	IT11 614	T09D	IT7389 639	OAD		TOBD	IT10T106X 730
	MANDR. PORTAM. IN ROTAZ. WHEEL SPINDLE ROTATING		SOSTITUZ. BOBINADI INVERTITORE INVERTER COIL CHANGE				TEMPORIZZATORE ULTRAPASSAGGIO TEMPO CICLO RICHIAMAMENTO-LIBERTA 3 AUTO REST 3 RET. CYCLE TIME OVER TIMER
T08E	IT73X 614	T09E	IT913X 683	OAE		TOBE	IT10T107X 730
	TEMPORIZZATORE PRESSIONE OLIO CUSC. MANDR. PORTAM. WHEEL SPINDLE BEARINGS OIL PRESSURE TIMER		CONTROLLO OFF SEGNALE CONTATTO GUASTO FAULT CONTACT SIGNAL OFF CHECK				TEMPORIZZATORE ULTRAPASSAGGIO TEMPO CICLO RICHIAMAMENTO-LIBERTA 4 AUTO REST 4 ADV. CYCLE TIME OVER TIMER
T08F	IT78XA 615	T09F	IT916X 684	OAF		TOBF	IT10T108X 731
	GUASTO TEMP. RISCALD. MANDR. PORTAM. WHEEL SP. WARMUP TEMP FAULT		GUASTO ROTAZIONE INVERTITORE INVERTER ROTATING FAULT				TEMPORIZZATORE ULTRAPASSAGGIO TEMPO CICLO RICHIAMAMENTO-LIBERTA 4 AUTO REST 4 RET. CYCLE TIME OVER TIMER

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OC0		OD0		OE0		OF0	
T0C1	M10T109X 731 TEMPORIZZAZIONE ULTRAPASSAMENTO TEMPO CICLO CHIUSURA SPORTELLI DOOR CLOSE CYCLE TIME OVER TIMER	OD1		OE1		OF1	
T0C2	M10T110X 731 TEMPORIZZAZIONE ULTRAPASSAMENTO TEMPO CICLO APERTURA SPORTELLI DOOR OPEN CYCLE TIME OVER TIMER	OD2		OE2		OF2	
T0C3	M10T111X 731 TEMPORIZZAZIONE ULTRAPASSAMENTO TEMPO CICLO CYCLE TIME OVER TIMER	OD3		OE3		OF3	
T0C4	M10T112X 732 TEMPORIZZAZIONE ULTRAPASSAMENTO TEMPO CICLO CYCLE TIME OVER TIMER	OD4		OE4		OF4	
T0C5	6T16P 583 POSIZIONE CAMBIO IMPOSTAZ. TAVOLA TABLE SET UP CHANGE POSI.	OD5		OE5		OF5	
OC6		OD6		OE6		OF6	
T0C7	5T3 578 ARRESTO SPORTELLI (SPOSTAM. ABILITATO) STOP DOOR (MOVING ENABLE)	OD7		OE7		OF7	
OC8		OD8		OE8		OF8	
OC9		OD9		OE9		OF9	
OCA		ODA		OE A		OF A	
OCB		ODB		OE B		OF B	
OCC		ODC		OE C		OF C	
OCD		ODD		OE D		OF D	
OCE		ODE		OE E		OF E	
OCF		ODF		OE F		OF F	

V000		V010		V020		V030	
V001		V011		V021		V031	
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V004	M1V04 101 SEMPRE ATTIVATO ALLWAYS ON	V014		V024		V034	
V005	M1V05 101 SEMPRE DISATTIVATO ALLWAYS OFF	V015		V025		V035	
V006	M1V06 101 PRIMA SCANSIONE FIRST SCAN	V016		V026		V036	
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V009		V019		V029		V039	
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V040		V050		V060		V070	
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V042		V052		V062		V072	OROLOGIO 0.2 SEC 0.2SEC CLOCK M1V72 101
V043		V053		V063		V073	OROLOGIO1 SECONDO 1 SECONDCLOCK M1V73 101
V044		V054		V064		V074	OROLOGIO2 SECONDI 2 SECONDCLOCK
V045		V055		V065		V075	
V046		V056	CICLO CY M1V56 101	V066		V076	
V047		V057		V067		V077	
V048		V058		V068		V078	M1V78 101 SCANSIONE OROLOGIO SCAN CLOCK
V049		V059		V069		V079	
V04A		V05A		V06A		V07A	
V04B		V05B		V06B		V07B	
V04C		V05C		V06C		V07C	
V04D		V05D		V06D		V07D	
V04E		V05E		V06E		V07E	
V04F		V05F		V06F		V07F	

V080	IL1D1 95 RESET COMUNICAZIONE COLLEGAMENTO N. 1 LINK NO. 1 COMMUNICATION RESET	V090		V0A0		V0B0	
V081	IL1D2 95 RESET COMUNICAZIONE COLLEGAMENTO N. 2 LINK NO. 2 COMMUNICATION RESET	V091		V0A1		V0B1	
V082	IL1D3 95 RESET COMUNICAZIONE COLLEGAMENTO N. 3 LINK NO. 3 COMMUNICATION RESET	V092		V0A2	M1VA2 102 DIFETTO COMUNICAZIONE RELE N. 1 LINK RELAY NO. 1 COMMUNICATION FAULT	V0B2	
V083	IL1D4 95 RESET COMUNICAZIONE COLLEGAMENTO N. 4 LINK NO. 4 COMMUNICATION RESET	V093		V0A3		V0B3	
V084		V094		V0A4		V0B4	
V085		V095		V0A5		V0B5	
V086		V096		V0A6	M1VA6 102 DIFETTO COMUNICAZIONE RELE N. 2 LINK RELAY NO. 2 COMMUNICATION FAULT	V0B6	
V087		V097		V0A7		V0B7	
V088		V098		V0A8		V0B8	
V089		V099		V0A9		V0B9	
V08A		V09A		V0AA	M1VA10 102 DIFETTO COMUNICAZIONE RELE N. 3 LINK RELAY NO. 3 COMMUNICATION FAULT	V0BA	
V08B		V09B		V0AB		V0BB	
V08C		V09C		V0AC		V0BC	
V08D		V09D		V0AD		V0BD	
V08E		V09E		V0AE	M1VA14 102 DIFETTO COMUNICAZIONE RELE N. 4 LINK RELAY NO. 4 COMMUNICATION FAULT	V0BE	
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VOC1		VOD1		VOE1		VOF1	GUASTO BATTERIA BATTERY FAULT	
VOC2		VOD2		VOE2		VOF2	MIDBAT2	102
VOC3		VOD3		VOE3		VOF3	GUASTO BATTERIASCHEDA MEMORIA MEMORY CARDBATTERY FAULT	
VOC4		VOD4		VOE4		VOF4		
VOC5		VOD5		VOE5		VOF5		
VOC6		VOD6		VOE6		VOF6		
VOC7		VOD7		VOE7		VOF7		
VOC8		VOD8		VOE8		VOF8		
VOC9		VOD9		VOE9		VOF9		
VOCA	MIVC4 102 DIFETTO UNITA SPECIALE SPECIAL UNITFAULT	VODA		VOEA		VOFA		
VOCB		VODB		VOEB		VOFB		
VOCC		VODC		VOEC		VOFC		
V OCD		V ODD		VOED		VOFD		
VOCE		VODE		VOEE		VOFE		
VOCF		VODF		VOEF		VOFF		

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9301	START	14202	MOVR 10d M70L	21606	MOVE M60L D50H	24705	MOVR 0d D52L
10906	RESET PRUEBA DESENAL(BUCLECONTINUA)	14310	SEGNLE AVVICICLO CN UNITA A NC CYCLE UNIT A START SIGNAL MOVR 11d M70L	21607	M60L=D50H M60L=D50H AND D50L D50H D51L	24706	IMP. SELEZ. PART 5 PART SELECT 5 SET MOVR 0d D52L
11003	RESET PRUEBA DESENAL(BUCLECONTINUA)	14510	SEGNLE AVVICICLO CN TEST UNITA A NC TEST CYCLE UNIT A START SIGNAL MOVR 37d M70L	22301	D51L=D50L AND D50H D50L=D50L AND D50H MOVE D51L D1000L	24707	IMP. SELEZ. PART 6 PART SELECT 6 SET MOVR 0d D52L
11302	RESET PRUEBA DESENAL(BUCLECONTINUA)	14904	RIPASSATURASELEZ. UNITA A SELECT UNIT ADDRESSING MOVR 0d M70L	22302	CONTROLLO PARITA D1000=M61L PARITY CHECK D1000=M61L MOVE M61L D1020L	24708	IMP. SELEZ. PART 7 PART SELECT 7 SET MOVR 0d D52L
11304	MOV 1h L1CL CONTROLLO QUALITA QUALITY CHECK MOV 0h L1CL	15302	POSIZ. RAVVIV. TAVOLA TABLE TRUERPOST. MOVR 62d M69H	22303	BCD D1000L D1001L D1000L BCD=D1001L D1000L BCD=D1001L BCD D1020L D1021L	24709	IMP. SELEZ. PART 8 PART SELECT 8 SET MOVR 0d D52L
11305	ELIMINAZIONE GUASTO FAULT CLEAR MOV 27h L1CL	15504	AVVIO CAMPIONATURAPROFILO PROFILESAMPLING START MOVR 8d M70L	22304	D1000L BCD=D1001L D1000L BCD=D1001L BCD D1020L D1021L	24710	IMP. SELEZ. PART 9 PART SELECT 9 SET MOVR 0d D52L
12004	MODALITA CICLO OFFIN SCATOLA COMANDI IN CONTROLBOX CYCLE MODE OFF MOV 0h L1CL	18815	SEGNLE SELEZ. CICLO CAMBIO IMPOSTAZ. UNITA A SET UP CHANGE CYCLESIGNAL UNIT A MOVE M56L D1010L	22305	MOVE D1001L M62L VISUALIZZ. CODICE DA CARICATORE DISPLAY CODE FROMLOADER MOV Fh D2FOH	24711	IMP. SELEZ. PART 10 PART SELECT 10 SET MOVR 0d D52L
12005	ELIMINAZIONE GUASTO FAULT CLEAR MOV 80h L1CL	19311	CNC PEZZO N. (BCD) CNC WORK NO. (BCD) DECO D1003L M54W	23101	D2FOOL=0Fh D2FOOL=0Fh AND D1021L D2FOH D1003L	24712	IMP. SELEZ. PART 11 PART SELECT 11 SET MOVR 0d D52L
12103	GUASTO UNITA REFRIG. SCATOLA COMANDI CONTROL BOXCOOLING UNIT FAULT MOV 0h L1CL	20401	SOSTITUZ. 1 PEZZO N. WORK NO. CHANGE 1 DECO D1004L M55W	23102	MOVE D1021L D1709L	24713	IMP. SELEZ. PART 12 PART SELECT 12 SET MOVR 0d D52L
12104	ELIMINAZIONE GUASTO FAULT CLEAR MOV 3d R9L	20402	SOSTITUZ. 10 PEZZO N. WORK NO. CHANGE 10 MOV 0h L1CL	23103	BSFR D1709L 4d	24714	IMP. SELEZ. PART 13 PART SELECT 13 SET MOVR 0d D52L
12905	GUIDAERRORI FAULTGUIDANCE MOVR 0d R9L	20905	ELIMINAZIONE GUASTO FAULT CLEAR MOV 0h L1CL	23104	SCORR. DESTRA 4 BIT 4 BIT SIFT DESTRA MOVE D1709L D1004L	24715	IMP. SELEZ. PART 14 PART SELECT 14 SET MOVR 0d D52L
12906	ELIMINAZIONEGUIDA GUIDANCE CLEAR MOVR 5d R9L	20906	ELIMINAZIONE GUASTO FAULT CLEAR MOV 17h L1CL	23105	D1709L=D1004L D1709L=D1004L MOVR 50d D52L	24716	IMP. SELEZ. PART 15 PART SELECT 15 SET MOVR 0d D52L
12909	GUIDA AUTOM. CARICATORE LOADER AUTOGUIDANCE MOVR 0d R9L	20909	CARICATORE GUASTO PEZZO N. POSIZ. BLOCCO OFF WORK NO. FAULT LOADERINTERLOCK POSITION OFF MOV 0h L1CL	24701	IMP. SELEZ. PART 1 PART SELECT 1 SET MOVR 55d D52L	24717	IMP. SELEZ. PART 16 PART SELECT 16 SET MOVR 0d D52L
12910	ELIMINAZIONEGUIDA GUIDANCE CLEAR MOVR 4d R9L	20910	ELIMINAZIONE GUASTO FAULT CLEAR PCH2 M60L	24702	IMP. SELEZ. PART 2 PART SELECT 2 SET MOVR 60d D52L	24718	IMP. SELEZ. PART 17 PART SELECT 17 SET MOVR 0d D52L
13003	MOVR 0d R9L	21601	CONTROLLO PARITA PARITY CHECK MOV 3Fh D50L	24703	IMP. SELEZ. PART 3 PART SELECT 3 SET MOVR 63d D52L	24719	IMP. SELEZ. PART 18 PART SELECT 18 SET MOVR 0d D52L
13004	ELIMINAZIONEGUIDA GUIDANCE CLEAR	21605	D50L=3Fh D50L=3Fh	24704	IMP. SELEZ. PART 4 PART SELECT 4 SET	24720	IMP. SELEZ. PART 19 PART SELECT 19 SET MKP2 D52L M63H
28501	MOVR 1d L7H MANOPOLAMULTIPLY 1 HANDLEMULTIPLY 1 MOVR 10d L7H	30713	MOVR 0d M70L POSIZ. RAVVIV. TAVOLA TABLE TRUERPOST. MOVR 0d M70H	42410	DMOVE M7EW L26W	47303	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR
28502	MANOPOLAMULTIPLY 10 HANDLEMULTIPLY 10 MOVR 100d L7H	30807	RESET PROGR. UNITA B UNIT BPROGRAM RESET MOVR 0d M71L	42412	MOV 1h R008L	47305	MOV 95h L1CL SOVRACCARICOPOMPA OLIO LUBR. LUBE. OIL PUMPOVERLOAD MOV 0h L1CL
28503	MANOPOLAMULTIPLY 100 HANDLEMULTIPLY 100 MOVR 0d L3L	30904	RESET PROGR. UNITA C UNIT CPROGRAM RESET MOVR 0d M71H	42415	DMOVE M78W L24W IMPOSTAZ. DATI PAGINA K. 3PER LAMP. INT. (PAGINA 3) PAGE NO. 2FOR LAMP. SW. DATA SET(PAGE 3) DMOVE M7AW L26W	47306	ELIMINAZIONE GUASTO FAULT CLEAR MOV 96h L1CL
28504	FOX MECCAN. INTERVALIMENTAZIONE RAPIDA RAPID FEEDOVER RIDE FOX MOVR 10d L3L	30909	RESET PROGR. N. UNITA D UNIT DPROGRAM NO RESET MOVR 0d M72L	42417	MOV 2h R008L	47308	SOVRACCARICO POMPALUBR. (NEBBIA OLIO) LUBE. OIL PUMPOVERLOAD(MIST OIL) MOV 0h L1CL
28505	10% MECCAN. INTERVALIMENTAZIONE RAPIDA RAPID FEEDOVER RIDE 10% MOVR 50d L3L	31005	RESET PROGR. UNITA E UNIT EPROGRAM RESET DECO R208L M74W	42419	WMOVE M79W L25W	47309	ELIMINAZIONE GUASTO FAULT CLEAR MOV 94h L1CL
28506	50% MECCAN. INTERVALIMENTAZIONE RAPIDA RAPID FEEDOVER RIDE 50% MOVR 100d L3L	36701	PAGINA N. 0~7PER INT. LAMP. PAGE NO. 0~7FOR LAMP. SW MOVE R20EL K2FL	42501	IMPOSTAZ. DATI PAGINA K. 3PER LAMP. INT. (PAGINA 4) PAGE NO. 3FOR LAMP. SW. DATA SET(PAGE 4) DMOVE M7AW L26W	47402	SOVRACC. POMPA OLIO LUBR. (NEBBIA LINEETA AUTOM. ON) LUB. OIL PUMP OVERLOAD(AUTO REST MIST ON) MOV 0h L1CL
28508	100% MECCAN. INTERVALIMENTAZIONE RAPIDA RAPID FEEDOVER RIDE 100% MOVR 100d R34H	36702	IMPOSTAZ. PEZZO N. SELEZ. SELECTEDWORK NO. SET BCD K2FL M72H	42503	WMOVE M7DW L24W	47403	ELIMINAZIONE GUASTO FAULT CLEAR MOV 48h L1CL
28509	100% MECCAN. INTERVALIMENTAZIONE RAPIDA RAPID FEEDOVER RIDE 100% MOVR 52d M70L	36704	SELEZ. PARTE N. BCD PART SELECT NO. BCD DECO M72H M73W	42505	MOV 3h R008L	47506	GUASTO PRESSIONE LUBRIFICAZ. (UNITA POMPA) LUBRICATION PRESSURE FAULT(PUMP UNIT) MOV 0h L1CL
29111	POSIZ. MEMORIAIMP. SEGNALE SELEZ. UNITA A POST. MEMORYSET UNIT A SELECT SIGNAL MOVR 53d M70L	36705	SELEZ. PARTE N. BCD PART SELECT NO. BCD WMOVE R209 M75W	42507	DMOVE M78W L24W	47507	ELIMINAZIONE GUASTO FAULT CLEAR MOV 49h L1CL
29402	POSIZ. MEMORIA AUTOM. SEGNALE SELEZ. UNITA A AUTO POST. MEMORYUNIT A SELECT SIGNAL MOVR 54d M70L	36706	CODICE M UNITA A A UNIT M CODE WMOVE R20A M76W	42509	IMPOSTAZ. DATI PAGINA K. 4PER LAMP. INT. (PAGINA 5) PAGE NO. 4FOR LAMP. SW. DATA SET(PAGE 5) WMOVE M7CW L26W	47510	GUASTO FILTRO OLIO LUBR. (TAVOLA) LUBE. OIL FILTER FAULT(TABLE) MOV 0h L1CL
29511	DIAM. MOLA POSIZ. MEMORIASEGNALE SELEZ. UNITA A POST. MEMORY WHEEL DIA. UNIT A SELECT SIGNAL MOVR 57d M70L	36707	CODICE M UNITA B B UNIT M CODE WMOVE R20B M77W	42511	WMOVE M7BW L27W	47511	ELIMINAZIONE GUASTO FAULT CLEAR MOV 41h L1CL
29711	POSIZ. MEMORIA POS. PEZZOSEGNALE SELEZ. UNITA A POST. MEMORY WORK POS. UNIT A SELECT SIGNAL MOVR 56d M70L	36708	CODICE M UNITA C C UNIT M CODE DMOVE M78W L24W	42513	MOV 4h R008L	47603	GUASTO FILTRO OLIO LUBR. (TESTA PORTAM.) LUBE. OIL FILTER FAULT(WHEEL HEAD) MOV 0h L1CL
29911	POS. MEMORIA CONTATTO RIPASS. SECC. SELEZ. UNITA A POST. MEMORYTRUING CONTACT UNIT A SELECT SIGNAL MOVR 0d M70L	42401	IMPOSTAZ. DATI PAGINA K. 4PER LAMP. INT. (PAGINA 1) PAGE NO. 0FOR LAMP. SW. DATA SET(PAGE 1) DMOVE M7EW L26W	42515	MOV 47h L1CL	47604	ELIMINAZIONE GUASTO FAULT CLEAR MOV 29h L1CL
30111	POSIZ. RAVVIV. TAVOLA TABLE TRUERPOST. MOVR 55d M70L	42403	MOV 0h R008L	47211	GUASTO PRESSIONE LUBRIFICAZ. (GUIDA) LUBRICATION PRESSURE FAULT(SLIDE) MOV 0h L1CL	47704	OLIO IDR. VUOTO HYD. OILEMPTY MOV 0h L1CL
30311	POSIZ. MEMORIA DIAM. DIAMANTESEGNALE SELEZ. UNITA A POST. MEMORY DIAMOND DIA. UNIT A SELECT SIGNAL MOVR 0d M6FH	42405	DMOVE M78W L24W	47212	ELIMINAZIONE GUASTO FAULT CLEAR MOV 94h L1CL	47705	ELIMINAZIONE GUASTO FAULT CLEAR MOV 28h L1CL
30613	RESET PROGR. N. UNITA F RESET UNIT F PROGRAM NO.	42408	IMPOSTAZ. DATI PAGINA K. 4PER LAMP. INT. (PAGINA 2) PAGE NO. 1FOR LAMP. SW. DATA SET(PAGE 2)	47302	SOVRACCARICOPOMPA OLIO IDR. HYD. OIL PUMPOVERLOAD	47709	OLIO LUBR. VUOTO LUBE. OILEMPTY

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47710	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	48206	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	53111	MOV 30d M71L CENTRO CONTROPUNTA AVANZ. SEGNALE SELEZ. UNITA C FOOTSTOCK CENTER ADV. SELECT SIGNAL UNIT C	59007	MOV 23d M70L POS. REGOLAZ. TAVOLA TABLE ADJUST POSI.
47806	MOV 5h L1CL NEBBIA OLIOVUOTO MIST OILEMPTY	48306	MOV 18h L1CL SPURGO ARIA MANDRINO PORTAM. WHEEL SP. AIR PARGE DOWN	53307	MOV 31d M71L CENTRO CONTROPUNTA RET. SEGNALE SELEZ. UNITA C FOOTSTOCK CENTER RET. SELECT SIGNAL UNIT C	59207	MOV 0d M70L POSIZ. RAVVIV. TAVOLA TABLE TRUER POSI.
47807	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	48307	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	53909	MOV 74h L1CL GUASTO INDICE FASE PHASE INDEX FAULT	59407	MOV 0d M70L POSIZ. RAVVIV. TAVOLA TABLE TRUER POSI.
47810	MOV 65h L1CL GUASTO REFRIG. OLIO LUBR. LUB. OIL COOLER FAULT	48703	MOV 1d R9L GUIDA ERRORI CNC PLC CNC. PLC FAULT GUIDANCE	53910	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	59607	MOV 0d M70L POSIZ. RAVVIV. TAVOLA TABLE TRUER POSI.
47811	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	48704	MOV 0d R9L ELIMINAZIONE GUIDA GUIDANCE CLEAR	54005	MOV 19h L1CL GUASTO INDICE MANDRINO PORTAM. WORK SPINDLE INDEX FAULT	59806	MOV 17d M71L OSCILLAZIONE OSILLATION
47906	MOV 1Ah L1CL NEBBIA OLIO VUOTO (RAVV.) MIST OIL EMPTY (TRUING)	48908	RESET PRUEBA DE SENAL (BUCLE CONTINUA)	54006	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	61115	MOV 1d M70L CICLO RIT. SELEZ. UNITA A SELECT UNIT A RETURN CYCLE
47907	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	49006	RESET PRUEBA DE SENAL (BUCLE CONTINUA)	54010	MOV 18h L1CL GUASTO INSERIM. PERNO COMANDO DRIVE PIN INSERT FAULT	61513	MOV 87h L1CL GUASTO INVERTITORE MANDRINO PORTAM. WHEEL SP. INVERTUR FAULT
48003	MOV 99h L1CL GUASTO TEMP. OLIO IDR. HYD. OIL TEMP. FAULT	51008	MOV 78h L1CL SOVRACCARICO POMPA REFRIG. COOLANT PUMP OVERLOAD	54011	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	61514	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR
48004	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	51009	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	54406	MOV Fh L1CL GUASTO PRESSIONE OLIO LUBR. MANDR. PORTAM. WORK SP. LUB. OIL PUMP PRESSURE FAULT	61604	MOV Eh L1CL GUASTO VIBRAZIONE MANDRINO PORTAM. WHEEL SPINDLE VIBRATION FAULT
48007	MOV 98h L1CL GUASTO TEMP. OLIO LUBR. LUBE. OIL TEMP. FAULT	51402	RESET PRUEBA DE SENAL (BUCLE CONTINUA)	54407	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	61605	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR
48008	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	51501	WMOVE X16W D20 IMPOSTAZIONE DATI TEMP. TEMP. DATA SETTING	55310	MOV 27d M71L MANDRINO PORTAM. SEGNALE SELEZ. INDICE UNITA C WORK SPINDLE INDEX SELECT SIGNAL UNIT C	61703	MOV 20h L1CL SOVRACCARICO MOTORE MANDRINO PORTAM. WHEEL SPINDLE MOTOR OVERLOAD
48103	MOV 81h L1CL GUASTO TEMP. SCATOLA COMANDI CONTROL BOX TEMP. FAULT	51502	WMOV FFFh D21 IMPOSTAZIONE MASCHERA DATI MASKING DATA SET	55613	MOV 29d M71L PERNO DI COMANDO SEGNALE SELEZ. INSERIM. UNITA C DRIVE PIN INSERT SELECT SIGNAL UNIT C	61704	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR
48104	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	51503	WAND D20 D21 D22 MASCHERA DATI TEMP. TEMP. DATA MASKING	56011	MOV 47d M71L SEGNALE SELEZ. AVANZ. TESTA PORTAM. UNITA C WORK HEAD ADV. SELECT SIGNAL UNIT C	61706	MOV 93h L1CL SOVRACCARICO POMPA OLIO CUSCINETTO BERG. OIL PUMP OVERLOAD
48202	MOV 32h L1CL GUASTO CIRCUITI COMANDO CONTROL CIRCUIT FAULT	51504	WBIN D23 R0 SOST. CHANGING	56211	MOV 48d M71L SEGNALE SELEZ. RET. TESTA PORTAM. UNITA C WORK HEAD RET. SELECT SIGNAL UNIT C	61707	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR
48203	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	51505	WMOVE D22 D23 LETTURA DATI TEMP. TEMP. DATA READING	58611	MOV 26d M70L POSIZ. RETTIFICA TAVOLA TABLE GR. POSI.	61709	MOV 79h L1CL SOVRACC. POMPA REFRIG. MANDRINO PORTAM. WHEEL SPINDLE COOLING PUMP OVERLOAD
48205	MOV 36h L1CL SOVRACCARICO MOTORE MOTOR OVERLOAD	52904	MOV 61d M72L AZZERAM. MEMORIA SEGNALE SELEZ. UNITA A MEMORY CLEAR UNIT A SELECT SIGNAL	58811	MOV 24d M70L RITORNO TAVOLA TABLE RET.	61710	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR
61803	MOV 46h L1CL GUASTO REFRIG. POMPA OLIO CUSCINETTO BERG. OIL COOLER FAULT	62108	MOV 51h L1CL GUASTO FLUSSO ACQUA RAFFREDD. MANDR. PORTAM. W. SP. COOLING WATER FLOW FAULT	68405	MOV 84h L1CL GUASTO INVERTITORE INVERTER FAULT	72414	MOV 0h L1CL DIFETTO FINECORSAAUTO-LUNETTA 2 AUTO-REST 2LS FAULT
61804	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	62109	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	68406	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	72415	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR
61807	MOV 64h L1CL GUASTO REFRIG. MANDRINO PORTAM. WHEEL SPINDLE COOLING COOLER FAULT	62207	MOV 2d R9L GUIDA GUASTI TESTA PORTAM. WHEEL HEAD FAULT GUIDANCE	68411	MOV 8Ah L1CL GUASTO INVERTITORE INVERTER FAULT	72419	MOV 9Dh L1CL DIFETTO FINECORSAAUTO-LUNETTA 3 AUTO-REST 3LS FAULT
61808	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	62208	MOV 0d R9L ELIMINAZIONE GUIDA GUIDANCE CLEAR	68412	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	72420	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR
61812	MOV 30h L1CL OLIO CUSCIN. VUOTO BEAR. OIL EMPTY	62604	MOV 12d M70L AVVIO CIC. RETT. SELEZ. UNITA A UNIT A SELECT C/L START	68503	MOV 83h L1CL SURRISC. MOTORIRULLO DIAMANTE DIAMOND ROLL MOTOR OVERHEAT	72504	MOV 9Eh L1CL DIFETTO FINECORSAAUTO-LUNETTA 4 AUTO-REST 4LS FAULT
61813	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	63004	MOV 13d M70L AVVIO CIC. PROFIL. SELEZ. UNITA A UNIT A SELECT PROFILE C/L START	68504	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	72505	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR
61903	MOV 45h L1CL GUASTO FILTRO OLIO CUSCIN. BERG. OIL FILTER FAULT	66311	MOV 7d M70L SOST. PERNO CONTATTO RIT. SELEZ. UNITA A SELECT UNIT A RET. CONTACT PIN CHANGE	68808	MOV 36d M70L RAVV. SELEZ. UNITA A SELECT UNIT A TRUING	72509	MOV 9Fh L1CL DIFETTO FINECORSASPORTELLO DOORLS FAULT
61904	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	66604	MOV 7d M70L SOST. PERNO CONTATTO RIT. SELEZ. UNITA A SELECT UNIT A RET. CONTACT PIN CHANGE	69016	MOV 33d M70L RAVV. GREZZA MANUALE SELEZ. UNITA A SELECT UNIT A MANUAL ROUGH TRUING	72510	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR
61907	MOV 44h L1CL GUASTO FILTRO OLIO REFRIG. MOTORE MOTOR COOLING OIL FILTER FAULT	66911	MOV 43d M70L APPROCCIO CONTATTO SELEZ. UNITA A SELECT UNIT A CONTACT APPROACH	69415	MOV 44d M70L APPROCCIO CONTATTO SELEZ. UNITA A SELECT UNIT A CONTACT APPROACH	72514	MOV 0h L1CL DIFETTO FINECORSAS LS FAULT
61908	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	67311	MOV 42d M70L SOST. PERNO CONTATTO RIT. SELEZ. UNITA A SELECT UNIT A RET. CONTACT PIN CHANGE	69711	MOV 37d M70L RIPASSATURA SELEZ. UNITA A SELECT UNIT ADDRESSING	72515	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR
61912	MOV 24h L1CL ACQUA RAFFREDDAM. VUOTO COOLING WATER EMPTY	67504	MOV 6d R9L GUIDA SOST. RULLO DIAM. DIA. ROLL CHANGE GUIDANCE	69806	MOV 45d M70L AVVIO RULLO RIPASS. SELEZ. UNITA A SELECT UNIT ADDRESSING ROLL START	72519	MOV 0h L1CL DIFETTO FINECORSAS LS FAULT
61913	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	67505	MOV 0d R9L ELIMINAZIONE GUIDA GUIDANCE CLEAR	69902	MOV 46d M70L ARRESTO RULLO RTPASS. SELEZ. UNITA A SELECT UNIT ADDRESSING ROLL STOP	72520	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR
62003	MOV 23h L1CL GUASTO PRESSIONE OLIO RAFFR. MANDRINO PORTAM. WHEEL SPINDLE COOLING OIL PRESSURE FAULT	67506	MOV 7d R9L GUIDA SOST. PERNO CONTATTO CONTACT PIN CHANGE GUIDANCE	70809	MOV 43d M70L APPROCCIO CONTATTO SELEZ. UNITA A SELECT UNIT A CONTACT APPROACH	72604	MOV 0h L1CL DIFETTO FINECORSAS LS FAULT
62004	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	67507	MOV 0d R9L ELIMINAZIONE GUIDA GUIDANCE CLEAR	71016	MOV 35d M70L RAVV. GREZZA SELEZ. UNITA A SELECT UNIT A ROUGH TRUING	72605	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR
62010	MOV 97h L1CL GUASTO TEMP. OLIO CUSCIN. BERG. OIL TEMP. FAULT	68308	MOV 86h L1CL GUASTO ELIMINATORE DISTANZA GAP ELIMINATOR FAULT	72409	MOV 9Bh L1CL DIFETTO FINECORSAAUTO-LUNETTA 1 AUTO-REST 1LS FAULT	72620	MOV 0h L1CL DIFETTO MOVIMENTO AVANZAMENTO AUTO-LUNETTA AUTO-REST ADV. MOVING FAULT
62011	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	68309	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	72410	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR	72701	MOV 0h L1CL ELIMINAZIONE GUASTO FAULT CLEAR

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72708	MOV A4h L1CL MOVIMENTORICHIAMO AUTO-LINETTA AUTO-RESET RET. MOVEING MOV 0h L1CL	72917	MOV ACh L1CL OLTREPASSAMENTO TEMPO CICLORICHIAMO AUTO-LINETTA 1 AUTO RESET 1 RET. CYCLE TIMER OVER MOV 0h L1CL	73118	MOV B4h L1CL OLTREPASSAMENTO TEMPO CICLOAPERTURA SPORTELLO DOOR OPENCYCLE TIME OVER MOV 0h L1CL
72709	ELIMINAZIONE GUASTO FAULT CLEAR MOV A5h L1CL	72918	ELIMINAZIONE GUASTO FAULT CLEAR MOV ADh L1CL	73119	ELIMINAZIONE GUASTO FAULT CLEAR MOV B5h L1CL
72713	DIFETTO MOVIMENTOAPERTURA SPORTELLO DOOR OPENMOVEING FAULT MOV 0h L1CL	73003	OLTREPASSAMENTO TEMPO CICLOFANTI AUTO-LINETTA 2 AUTO REST 2 ADV. CYCLE TIME OVER MOV 0h L1CL	73203	OLTREPASSAMENTO TEMPO CICLO CYCLE TIME OVER MOV 0h L1CL
72714	ELIMINAZIONE GUASTO FAULT CLEAR MOV A6h L1CL	73004	ELIMINAZIONE GUASTO FAULT CLEAR MOV AEh L1CL	73204	ELIMINAZIONE GUASTO FAULT CLEAR MOV B6h L1CL
72718	DIFETTO MOVIMENTOCHIUSURA SPORTELLO DOOR CLOSEMOVEING FAULT MOV 0h L1CL	73008	OLTREPASSAMENTO TEMPO CICLORICHIAMO AUTO-LINETTA 2 AUTO RESET 2 RET. CYCLE TIME OVER MOV 0h L1CL	73208	OLTREPASSAMENTO TEMPO CICLO CYCLE TIME OVER MOV 0h L1CL
72719	ELIMINAZIONE GUASTO FAULT CLEAR MOV A7h L1CL	73009	ELIMINAZIONE GUASTO FAULT CLEAR MOV AFh L1CL	73209	ELIMINAZIONE GUASTO FAULT CLEAR END
72803	DIFETTO MOVIMENTO MOVEING FAULT MOV 0h L1CL	73013	OLTREPASSAMENTO TEMPO CICLOFANTI AUTO-LINETTA 3 AUTO REST 3 ADV. CYCLE TIME OVER MOV 0h L1CL	73307	PEND
72804	ELIMINAZIONE GUASTO FAULT CLEAR MOV A8h L1CL	73014	ELIMINAZIONE GUASTO FAULT CLEAR MOV B0h L1CL	73308	
72808	DIFETTO MOVIMENTO MOVEING FAULT MOV 0h L1CL	73018	OLTREPASSAMENTO TEMPO CICLORICHIAMO AUTO-LINETTA 3 AUTO REST 3 RET. CYCLE TIME OVER MOV 0h L1CL		
72809	ELIMINAZIONE GUASTO FAULT CLEAR MOV A9h L1CL	73019	ELIMINAZIONE GUASTO FAULT CLEAR MOV B1h L1CL		
72813	DIFETTO MOVIMENTO MOVEING FAULT MOV 0h L1CL	73103	OLTREPASSAMENTO TEMPO CICLOFANTI AUTO-LINETTA 4 AUTO REST 4 ADV. CYCLE TIME OVER MOV 0h L1CL		
72814	ELIMINAZIONE GUASTO FAULT CLEAR MOV AAh L1CL	73104	ELIMINAZIONE GUASTO FAULT CLEAR MOV B2h L1CL		
72818	DIFETTO MOVIMENTO MOVEING FAULT MOV 0h L1CL	73108	OLTREPASSAMENTO TEMPO CICLORICHIAMO AUTO-LINETTA 4 AUTO REST 4 RET. CYCLE TIME OVER MOV 0h L1CL		
72819	ELIMINAZIONE GUASTO FAULT CLEAR MOV ABh L1CL	73109	ELIMINAZIONE GUASTO FAULT CLEAR MOV B3h L1CL		
72912	OLTREPASSAMENTO TEMPO CICLOFANTI AUTO-LINETTA 1 AUTO RESET 1 ADV. CYCLE TIMER OVER MOV 0h L1CL	73113	OLTREPASSAMENTO TEMPO CICLOCHIUSURA SPORTELLO DOOR CLOSECYCLE TIME OVER MOV 0h L1CL		
72913	ELIMINAZIONE GUASTO FAULT CLEAR	73114	ELIMINAZIONE GUASTO FAULT CLEAR		

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M54	DECO	204	1																		
M55	DECO	204	2																		
M56	MOVE	193	11																		
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M60	PCH2	216	1	MOVE	216	6															
M61	=D	222	1	MOVE	223	2															
M62	MOVE	223	5																		
M63	MKP2	247	20																		
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M69	=D	153	1	MOVR	153	2															
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M6F	MOVR	306	13																		

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M70	=D	142	1	MOVR	142	2	=D	143	9	MOVR	143	10	=D	145	9	MOVR	145	10	=D	149	3
	MOVR	149	4	=D	155	3	MOVR	155	4	=D	188	14	MOVR	188	15	=D	291	10	MOVR	291	11
	=D	294	1	MOVR	294	2	=D	295	10	MOVR	295	11	=D	297	10	MOVR	297	11	=D	299	10
	MOVR	299	11	=D	301	10	MOVR	301	11	=D	303	10	MOVR	303	11	MOVR	307	13	MOVR	308	7
	=D	586	10	MOVR	586	11	=D	588	10	MOVR	588	11	=D	590	6	MOVR	590	7	=D	592	6
	MOVR	592	7	=D	594	6	MOVR	594	7	=D	596	6	MOVR	596	7	=D	611	14	MOVR	611	15
	=D	626	3	MOVR	626	4	=D	630	3	MOVR	630	4	=D	663	10	MOVR	663	11	=D	666	3
	MOVR	666	4	=D	669	10	MOVR	669	11	=D	673	10	MOVR	673	11	=D	688	7	MOVR	688	8
	=D	690	15	MOVR	690	16	=D	694	14	MOVR	694	15	=D	697	10	MOVR	697	11	=D	698	5
	MOVR	698	6	=D	699	1	MOVR	699	2	=D	708	8	MOVR	708	9	=D	710	15	MOVR	710	16
M71	MOVR	309	4	MOVR	309	9	=D	531	10	MOVR	531	11	=D	533	6	MOVR	533	7	=D	553	9
	MOVR	553	10	=D	556	12	MOVR	556	13	=D	560	10	MOVR	560	11	=D	562	10	MOVR	562	11
	=D	598	5	MOVR	598	6															
M72	MOVR	310	5	BCD	367	4	DECO	367	5	=D	529	2	MOVR	529	4						
M73	DECO	367	5																		
M74	DECO	367	1																		
M75	WMOVE	367	6																		
M76	WMOVE	367	7																		
M77	WMOVE	367	8																		
M78	DMOVE	424	1	DMOVE	424	8	DMOVE	424	15	DMOVE	425	9									
M79	WMOVE	425	1																		
M7A	DMOVE	424	17	DMOVE	425	3															
M7B	WMOVE	425	13																		
M7C	WMOVE	425	11																		
M7D	WMOVE	425	5																		
M7E	DMOVE	424	3	DMOVE	424	10															
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K2F	MOVE	367	2	BCD	367	4															

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L03	MOVR	285	4	MOVR	285	5	MOVR	285	6	MOVR	285	8									
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L07	MOVR	285	1	MOVR	285	2	MOVR	285	3												
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L1C	=H	113	4	MOV	113	4	=H	113	5	MOV	113	5	=H	120	4	MOV	120	4	=H	120	5
	MOV	120	5	=H	121	3	MOV	121	3	=H	121	4	MOV	121	4	=H	209	5	MOV	209	5
	=H	209	6	MOV	209	6	=H	209	9	MOV	209	9	=H	209	10	MOV	209	10	=H	472	11
	MOV	472	11	=H	472	12	MOV	472	12	=H	473	2	MOV	473	2	=H	473	3	MOV	473	3
	=H	473	5	MOV	473	5	=H	473	6	MOV	473	6	=H	473	8	MOV	473	8	=H	473	9
	MOV	473	9	=H	474	2	MOV	474	2	=H	474	3	MOV	474	3	=H	475	6	MOV	475	6
	=H	475	7	MOV	475	7	=H	475	10	MOV	475	10	=H	475	11	MOV	475	11	=H	476	3
	MOV	476	3	=H	476	4	MOV	476	4	=H	477	4	MOV	477	4	=H	477	5	MOV	477	5
	=H	477	9	MOV	477	9	=H	477	10	MOV	477	10	=H	478	6	MOV	478	6	=H	478	7
	MOV	478	7	=H	478	10	MOV	478	10	=H	478	11	MOV	478	11	=H	479	6	MOV	479	6
	=H	479	7	MOV	479	7	=H	480	3	MOV	480	3	=H	480	4	MOV	480	4	=H	480	7
	MOV	480	7	=H	480	8	MOV	480	8	=H	481	3	MOV	481	3	=H	481	4	MOV	481	4
	=H	482	2	MOV	482	2	=H	482	3	MOV	482	3	=H	482	5	MOV	482	5	=H	482	6
	MOV	482	6	=H	483	6	MOV	483	6	=H	483	7	MOV	483	7	=H	510	8	MOV	510	8
	=H	510	9	MOV	510	9	=H	539	9	MOV	539	9	=H	539	10	MOV	539	10	=H	540	5
	MOV	540	5	=H	540	6	MOV	540	6	=H	540	10	MOV	540	10	=H	540	11	MOV	540	11
	=H	544	6	MOV	544	6	=H	544	7	MOV	544	7	=H	615	13	MOV	615	13	=H	615	14
	MOV	615	14	=H	616	4	MOV	616	4	=H	616	5	MOV	616	5	=H	617	3	MOV	617	3
	=H	617	4	MOV	617	4	=H	617	6	MOV	617	6	=H	617	7	MOV	617	7	=H	617	9
	MOV	617	9	=H	617	10	MOV	617	10	=H	618	3	MOV	618	3	=H	618	4	MOV	618	4
	=H	618	7	MOV	618	7	=H	618	8	MOV	618	8	=H	618	12	MOV	618	12	=H	618	13
	MOV	618	13	=H	619	3	MOV	619	3	=H	619	4	MOV	619	4	=H	619	7	MOV	619	7
	=H	619	8	MOV	619	8	=H	619	12	MOV	619	12	=H	619	13	MOV	619	13	=H	620	3
	MOV	620	3	=H	620	4	MOV	620	4	=H	620	10	MOV	620	10	=H	620	11	MOV	620	11
	=H	621	8	MOV	621	8	=H	621	9	MOV	621	9	=H	683	8	MOV	683	8	=H	683	9
	MOV	683	9	=H	684	5	MOV	684	5	=H	684	6	MOV	684	6	=H	684	11	MOV	684	11
	=H	684	12	MOV	684	12	=H	685	3	MOV	685	3	=H	685	4	MOV	685	4	=H	724	9
	MOV	724	9	=H	724	10	MOV	724	10	=H	724	14	MOV	724	14	=H	724	15	MOV	724	15
	=H	724	19	MOV	724	19	=H	724	20	MOV	724	20	=H	725	4	MOV	725	4	=H	725	5
	MOV	725	5	=H	725	9	MOV	725	9	=H	725	10	MOV	725	10	=H	725	14	MOV	725	14
	=H	725	15	MOV	725	15	=H	725	19	MOV	725	19	=H	725	20	MOV	725	20	=H	726	4
	MOV	726	4	=H	726	5	MOV	726	5	=H	726	20	MOV	726	20	=H	727	1	MOV	727	1
	=H	727	8	MOV	727	8	=H	727	9	MOV	727	9	=H	727	13	MOV	727	13	=H	727	14
	MOV	727	14	=H	727	18	MOV	727	18	=H	727	19	MOV	727	19	=H	728	3	MOV	728	3
	=H	728	4	MOV	728	4	=H	728	8	MOV	728	8	=H	728	9	MOV	728	9	=H	728	13
	MOV	728	13	=H	728	14	MOV	728	14	=H	728	18	MOV	728	18	=H	728	19	MOV	728	19
	=H	729	12	MOV	729	12	=H	729	13	MOV	729	13	=H	729	17	MOV	729	17	=H	729	18
	MOV	729	18	=H	730	3	MOV	730	3	=H	730	4	MOV	730	4	=H	730	8	MOV	730	8
	=H	730	9	MOV	730	9	=H	730	13	MOV	730	13	=H	730	14	MOV	730	14	=H	730	18
	MOV	730	18	=H	730	19	MOV	730	19	=H	731	3	MOV	731	3	=H	731	4	MOV	731	4
	=H	731	8	MOV	731	8	=H	731	9	MOV	731	9	=H	731	13	MOV	731	13	=H	731	14
	MOV	731	14	=H	731	18	MOV	731	18	=H	731	19	MOV	731	19	=H	732	3	MOV	732	3
	=H	732	4	MOV	732	4	=H	732	8	MOV	732	8	=H	732	9	MOV	732	9			
1D																					
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20																					
21																					
22																					
23																					
L24	DMOVE	424	1	DMOVE	424	8	DMOVE	424	15	WMOVE	425	5	DMOVE	425	9						
L25	WMOVE	425	1																		
L26	DMOVE	424	3	DMOVE	424	10	DMOVE	424	17	DMOVE	425	3	WMOVE	425	11						
L27	WMOVE	425	13																		
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D0010	=H	107	5																		
D0011	=H	107	6																		
12																					
13																					
14																					
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D0020	WMOVE	515	1	WAND	515	3															
D0021	WMOV	515	2	WAND	515	3															
D0022	WAND	515	3	W=N	515	4	WMOVE	515	5												
D0023	W=N	515	4	WBIN	515	4	WMOVE	515	5												
24																					
25																					
26																					
27																					
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D0050	MOV	216	5	MOVE	216	6	AND	216	7	AND	216	7									
D0051	AND	216	7	=D	216	8	=D	216	9	=D	216	10	=D	216	11	=D	216	12	=D	216	13
	=D	216	14	=D	216	15	=D	216	16	=D	216	17	=D	217	1	=D	217	2	=D	217	3
	=D	217	4	=D	217	5	=D	217	6	=D	217	7	=D	217	8	=D	217	9	=D	217	10
	MOVE	223	1																		
D0052	MOVR	247	1	MOVR	247	2	MOVR	247	3	MOVR	247	4	MOVR	247	5	MOVR	247	6	MOVR	247	7
	MOVR	247	8	MOVR	247	9	MOVR	247	10	MOVR	247	11	MOVR	247	12	MOVR	247	13	MOVR	247	14
	MOVR	247	15	MOVR	247	16	MOVR	247	17	MOVR	247	18	MOVR	247	19	MKP2	247	20			
53																					
54																					
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D02F0	MOV	231	1	AND	231	2															
2F1																					
2F2																					
2F3																					
2F4																					
2F5																					
2F6																					
2F7																					
2F8																					
2F9																					
2FA																					
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D1000	MOVE	223	1	BCD	223	3															
D1001	BCD	223	3	MOVE	223	5															
1002																					
D1003	DECO	204	1	AND	231	2	>=D	232	1	<=D	232	2									
D1004	DECO	204	2	MOVE	231	5	>=D	232	3	<=D	232	4									
1005																					
1006																					
1007																					
1008																					
1009																					
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D1010	MOVE	193	11	=N	234	1	<>N	234	4	=N	239	5									
1011																					
1012																					
1013																					
1014																					
1015																					
1016																					
1017																					
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D1020	MOVE	223	2	BCD	223	4															
D1021	BCD	223	4	AND	231	2	MOVE	231	3	<>D	232	5	=N	234	1	<>N	234	4	=N	239	5
1022																					
1023																					
1024																					
1025																					
1026																					
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1700																					
1701																					
1702																					
1703																					
1704																					
1705																					
1706																					
1707																					
1708																					
D1709	MOVE	231	3	BSFR	231	4	MOVE	231	5												
170A																					
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R0000	WBIN	515	4																		
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06																					
07																					
R0008	MOV	424	5	MOV	424	12	MOV	424	19	MOV	425	7	MOV	425	15						
R0009	=D	129	5	MOVR	129	5	=D	129	6	MOVR	129	6	=D	129	9	MOVR	129	9	=D	129	10
	MOVR	129	10	=D	130	3	MOVR	130	3	=D	130	4	MOVR	130	4	=D	487	3	MOVR	487	3
	=D	487	4	MOVR	487	4	=D	622	7	MOVR	622	7	=D	622	8	MOVR	622	8	=D	675	4
	MOVR	675	4	=D	675	5	MOVR	675	5	=D	675	6	MOVR	675	6	=D	675	7	MOVR	675	7
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30																					
31																					
32																					
33																					
R0034	MOVR	285	9																		
35																					
36																					
37																					
38																					
39																					
3A																					
3B																					
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200																					
201																					
202																					
203																					
204																					
205																					
206																					
207																					
R0208	DECO	367	1																		
R0209	WMOVE	367	6																		
R020A	WMOVE	367	7																		
R020B	WMOVE	367	8																		
20C																					
20D																					
R020E	>D	367	2	MOVE	367	2															
20F																					

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