Fanuc 0-M Option Parameters

Parameters 900 – 923, bit assignments

Each parameter is one byte. Bit 0 is the rightmost digit of the pattern (bit order 76543210).

* Option present. *Italic* Highlighted. ? Uncertain.

Param.	Bit	76543210	Note	Description
900	0	00000001	*	CANNED CYCLE
	1	00000010	*	G10 PROGRAM INPUT OF OFFSET
	2	00000100		MECHANICAL HANDLE FEED
	3	00001000		MANUAL ONE PULSE GENERATOR CONTROL
	4	00010000		S4/S5 DIGIT CONTROL
	5	00100000		INCH / METRIC CONVERSION
	6	01000000		SPECIAL G CODE
	7	10000000		
901	0	00000001		TAPE MEMORY ADDITION 320M
	1	00000010	*	TAPE MEMORY ADDITION 120M
	2	00000100		TAPE MEMORY ADDITION 80M
	3	00001000		TAPE MEMORY ADDITION 40M
	4	00010000		TAPE MEMORY ADDITION 20M
	5	00100000	*	CHAMFERING, CORNER RADIUS
	6	01000000		*READER/PUNCHER INTERFACE CONTROL*
	7	10000000	*	MULTIPLE REPETITIVE CANNED CYCLE
902	0	00000001		TWO MANUAL PULSE GENERATOR CONTROL
	1	00000010		
	2	00000100		CONSTANT SURFACE SPEED CONTROL
	3	00001000		SPINDLE SPEED FLUCTUATION DETECTION
	4	00010000		PATTERN DATA INPUT
	5	00100000		STORED PITCH ERROR COMPENSATION
	6	01000000		CUSTOM MACRO A
	7	10000000		PLAYBACK
903	0	00000001		MIRROR IMAGE FOR DOUBLE TURRETS
	1	00000010		X AXIS MIRROR IMAGE
	2	00000100	*	ACTUAL SPINDLE SPEED OUTPUT
	3	00001000		DIRECT INPUT OF OFFSET B
	4	00010000	*	MDI EXEC. B
	5	00100000	*	NUMBER OF PROGRAMS 125
	6	01000000		EXTERNAL KEY INPUT
	7	10000000	*	SOFT KEYS BELOW CRT
904	0	00000001		JAPANESE
	1	00000010		GERMAN/FRENCH MESSAGE
	2	00000100		CHINESE
	3	00001000		ITALIAN
	4	00010000		SPANISH
	5	00100000		HANGEUL
	6	01000000		
	7	10000000		
905	0	00000001		PMC MODEL L
	1	00000010		PMC MODEL M 3000 STEP
	2	00000100		PMC MODEL M 5000 STEP
	3	00001000		PMC MODEL M 8000 STEP
	4	00010000		PMC MODEL M 12000 STEP
	5	00100000		
	6	01000000		
	7	10000000		

Param.	Bit	76543210	Note	Description
906	0	00000001		MENU PROGRAMMING
	1	00000010		
	2	00000100		
	3	00001000		ADDITIONAL OFFSET MEMORY 64
	4	00010000	*	ADDITIONAL OFFSET MEMORY 99
	5	00100000		TOOL LENGTH MEASUREMENT
	6	01000000		
	7	10000000		EXTERNAL TOOL COMPENSATION
907	0	00000001		
	1	00000010		2ND AUXILIARY FUNCTION B 8-DIGIT BINARY
	2	00000100		SIMULTANEOUS 3 AXIS CONTROL
	3	00001000		*ADDITIONAL AXIS CONTROL*
	4	00010000	*	HOUR RUN / PARTS COUNT DISPLAY
	5	00100000		
	6	01000000	*	CUTTER COMPENSATION C G41/G42
	7	10000000		CUTTER COMPENSATION B
908	0	00000001		HANDLE INTERRUPTION
	1	00000010		
	2	00000100		
	3	00001000		JOG OVERRIDE
	4	00010000		
	5	00100000		GENERAL PURPOSE SOFTWARE OPERATOR'S PANEL
	6	01000000		
	7	10000000		SOFTWARE OPERATOR'S PANEL
909	0	00000001		GRAPHICS DISPLAY
	1	00000010		CONVERSATIONAL TYPE PROGRAMMING WITH FIGURE
	2	00000100		
	3	00001000		STROKE LIMIT EXTERNAL SETTING
	4	00010000		
	5	00100000		
	6	01000000		EXTERNAL MESSAGE
	7	10000000	*	SIMPLE TOOL LIFE MANAGE
910	0	00000001	*	PGM RESTART
	1	00000010		*WORK OFFSETS G54-G59*
	2	00000100	*	OPER. MESSAGE
	3	00001000	*	HELICAL INT.
	4	00010000	*	F1 DIGIT FEED
	5	00100000		AXIS CONTROL BY PMC
	6	01000000	*	AUTO. CORNER OVERRIDE
	7	10000000	*	THREAD CUTTING AND SYNCHRONOUS FEED
911	0	00000001	*	SINGLE DIRECTION POSITIONING
	1	00000010		
	2	00000100	*	RIGID TAP
	3	00001000	*	CLOCK AND COUNTERS
	4	00010000		CHANGES XYZ TO @
	5	00100000	*	400 OFFSETS
	6	01000000		DIRECTION DISPLAY OF FLOPPY CASSETTE
	7	10000000		DECIMAL POINT DISPLAY
912	0	00000001	*	3RD / 4TH REFERENCE POINT RETURN
	1	00000010		G50, G51 SCALING
	2	00000100	*	G68 COOR-SYS-ROTATE
	3	00001000		F10/11 TAPE FORMAT
	4	00010000	*	TOOL LIFE MANAGEMENT
	5	00100000	*	200 OFFSETS
	6	01000000		ADDITIONAL OPTIONAL BLOCK SKIP 9
	7	10000000	?	MACRO EXECUTER OR AUX / GRAPH DISPLAY

Param.	Bit	76543210	Note	Description
913	0	00000001		
	1	00000010	*	G15, G16 POLAR COORDINATE SYSTEM
	2	00000100		
	3	00001000		
	4	00010000		I/O DEVICE EXTERNAL CONTROL
	5	00100000		SIMULTANEOUS 4 AXIS CONTROL
	6	01000000		
	7	10000000	*	USER MACRO B
914	0	00000001		
	1	00000010		REMOTE BUFFER STORAGE
	2	00000100		HIGH SPEED REMOTE BUFFER STORAGE A
	3	00001000		HIGH SPEED REMOTE BUFFER STORAGE B
	4	00010000		READER PUNCHER INTERFACE CONTROL 2
	5	00100000		
	6	01000000		
	7	10000000		
915	0	00000001		
	1	00000010		
	2	00000100		
	3	00001000		
	4	00010000		
	5	00100000		5 AXIS CONTROL
	6	01000000		
	7	10000000	*	200 REGISTERABLE PROGRAMS
916	0	00000001		TOOL OFFSET G45-G48
	1	00000010		
	2	00000100		
	3	00001000		
	4	00010000		
	5	00100000		
	6	01000000		
	7	10000000		GRAPHIC B
917	0	00000001		
	1	00000010		
	2	00000100		
	3	00001000		
	4	00010000	*	ADDITIONAL MACRO VARIABLES 149-199, 531-999
	5	00100000		
	6	01000000		
	7	10000000		
918	0	00000001		
	1	00000010		
	2	00000100		
	3	00001000		
	4	00010000		
	5	00100000		
	6	01000000		
	7	10000000		
919	0	00000001		
	1	00000010		
	2	00000100		
	3	00001000		
	4	00010000		
	5	00100000		
	6	01000000		
	7	10000000		

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920	0	00000001		
	1	00000010		
	2	00000100		
	3	00001000		
	4	00010000		
	5	00100000		
	6	01000000		
	7	10000000		
921	0	00000001		
	1	00000010		
	2	00000100		
	3	00001000		
	4	00010000		
	5	00100000		
	6	01000000		
	7	10000000		
922	0	00000001		
	1	00000010		
	2	00000100		
	3	00001000		
	4	00010000		
	5	00100000		
	6	01000000		
	7	10000000		
923	0	00000001		
	1	00000010		
	2	00000100		
	3	00001000		
	4	00010000		
	5	00100000		48 WORK OFFSETS
	6	01000000		
	7	10000000		