

**MORI SEIKI**  
**MH-40 MF-M6**  
**DWG. NO.**  
**I81329 E02**



<b>ERROR</b>	<b>MESSAGE TEXT</b>	<b>COIL</b>	<b>ADDRESS</b>	<b>DESCRIPTION</b>
EX0020	EDITING KEY SWITCH ON	PER0020	A0.0	A cycle start has been activated with the editing key
EX0021	TOOL NOT CLAMP	PER0021	A0.1	The cycle start button has been pressed while the tool is unclamped.
EX0023	START INTERLOCK ON (EXT.)	PER 0023	A0.2	The cycle start operation has been started while an external start-interlock signal has been
EX0026	DOOR NOT CLOSE	PER0026	A0.4	The cycle operation has been mistakenly been started without door close.
EX0047	SAME GROUP M-CODE COMMANDED	PER0047	A0.7	M-codes in same group arte specified simultaneously or wrong combination of M codes has been specified.
EX0063	OVERTRAVEL ALARM	PER0063	A0.3	The hard O.T. limit switch has been activate. Return the axis to the normal area manually.
EX0068	SET UP TIME OVER	PER0068	A0.5	Door interlock cancel time has been over.
EX0069	DOOR LOCK CHECK TIME OVER	PER0069	A0.6	Door lock complete signal has not been turned ON after elapsing the time set in timer.
EX0094	INTERRUPTION SIGNAL ON	PER0094	A3.3	The motor interruption check signal is input at operation ready completion of each motor. Check the motor
EX0096	INTERRUPTION FAILURE	PER0096	A3.4	The motor interruption check signal is not input at the emergency stop of each motor. Check the motor interruption

EX0103	INTERLOCK BYPASS ON	PER0103	A1.0	M06 or M33 command has been given while M31
EX0104	Y, Z (U) NOT REFERENCE POINT	PER0104	A1.1	M06 or M33 command has been given without returning Y and Z axis to the reference
EX0106	SET MDI MODE	PER0106	A1.2	An M31 command has been given without selection of MDI
EX0108	APC DOOR NOT  HOME POSITION	PER0108	A1.3	An M06 or M33 command has been given without and APC door CW or CCW complete
EX0116	Y, Z DATA SETTING ERROR	PER0116	A1.4	Y or Z axis 2nd zero-point has not been properly set at the
EX0119	SUB ARM NOT  MG. POSITION	PER0119	A3.2	The sub arm has not been in magazine position though spindle tool data and next tool
EX0120	SUB ARM NOT  NEXT POSITION	PER0120	A4.4	An M06 or M33 or T-code has been specified while the sub- arm is not in next position.
EX0134	X NOT  REFERENCE POINT	PER0134	A3.6	An M06 or M33 command has been given without returning X axis and Y axis to the 2nd reference point.
EX0155	ATC HOME  POSITION OFF	MER0155	A1.6	ATC home position has deviated from home position while the spindle is rotating.
EX0156	ATC MOTOR  OVERLOAD	MER0156	A1.7	The ATC motor thermal relay has tripped. Reset contact. ATC motor may be
EX0158	ATC CYCLE TIME  OVER	MER0158	A2.0	ATC cycle has not been completed within the specified time. Check for possible error
EX0159	ARM HOME  POSITION LS. OFF	MER0159	A2.1	ATC main arm home position check signal has not turned on during ATC cycle.
EX0160	ATC NOT HOME  POSITION	PER0160	A2.2	M3, M4 or rigid-tap command has been given when ATC is not home position.

EX0161	ATC ARM NOT HOME POSITION	PER0161	A2.3	M06, M33 or T command has been given when ATC is not home position.
EX0165	TOOL CLAMP LS. OFF	MER0165	A2.4	Tool clamp check signal has been turned off while spindle is
EX0166	TOOL NOT CLAMP	PER0166	A2.5	M3, M4, M19 or rigid-tap command has been given while the tool is unclamped.
EX0167	TOOL NOT CLAMP	PER0167	A2.6	M06 or M33 command has been given while tool is
EX0168	ATC ARM NOT HOME POSITION	PER0168	A2.7	The cycle start button has been pressed while main arm is not home position.
EX0169	ATC DOOR NOT CLOSE	PER0169	A3.0	The cycle start button has been pressed with ATC door
EX0198	ARM HOME POSITION LS. ON	MER0198	A3.1	ATC main arm home position check signal has not turned off during ATC cycle.
EX0201	IMPROPER T- COMMAND	PER0201	A4.0	The specified T-code command is incorrect.
EX0202	SPINDLE TOOL COMMANDED	PER0202	A4.1	The spindle tool has been specified with a T-code.
EX0205	M33 & T IN SAME BLOCK	PER0205	A4.2	Both an M33 command and a T-code command have been given in the same block. Give an M33 command in a single
EX0210	SBC CYCLE TIME OVER	MER0210	A4.3	SBC cycle has not been completed within specified time. Check for possible deviation of the stop position.
EX0212	SUB ARM NOT HOME POSITION	PER0212	A4.5	The cycle start button has been pressed while the sub arm is not in home position.
EX0218	TOOL DATA SETTING ERROR	PER0218	A4.6	T-code has been specified with condition on that the data other than number of tools in magazine has been set to spindle tool data or waiting pot tool data. This is a tool data

EX0219	TOOL LIFE ENDING	PER0219	A4.7	This indicates that the life of the tools in this group is entirely exhausted.
EX0220	TOOL GROUP DATA ERROR	PER 0220	A5.0	M66 or M67 command has been given while tool group or tool life data is improperly set.
EX0230	MG MODE MANUAL OPERATION	PER0230	A5.1	The manual operation mode has been selected on the magazine manual operation panel when T-code is commanded. Return to
EX0232	SELECT MG MODE MANUAL THEN AUTO	PER0232	A5.3	Set the magazine manual/automatic selector switch on the magazine manual operation panel to manual (MN), then set it to automatic (AT) again. T-cycle is started.
EX0233	PUSH CYCLE START BUTTON	PER0233	A5.4	Press the cycle start button. T-cycle is started.
EX0243	MG DATA SETTING ERROR	PER0243	A5.5	Number of tools is not properly set in the parameter.
EX0252	A PHASE SIGNAL  NOT ON	MER0252	A5.6	Rotation signal A of magazine was not activated. This error occurs when magazine rotation signal B has been activated twice in a row. LS51 switch may be defective or not
EX0253	B PHASE SIGNAL  NOT ON	MER0253	A5.7	Rotation signal b of magazine was not activated. This error occurs when magazine rotation signal A has been activated twice in a row. LS52 switch may be defective or not
EX0254	MAGAZINE  COUNTER ERROR	MER0254	A6.0	Magazine zero-return signal does not agree with the counter value. LS53 switch may be defective or PC counter may not be properly
EX0256	MAGAZINE INDEX TIME OVER	MER0256	A6.1	Magazine indexing cycle time has been over.

EX0266	MAGAZINE NOT COINCIDENCE	MER0266	A6.2	The counter for A phase signal and the counter for B phase signal are in disagreement.
EX0272	MAGAZINE POT UNLOCK	MER0272	A6.3	Magazine pot lock check signal has turned off during magazine indexing.
EX0290	MAGAZINE MOTOR OVERLOAD	MER0290	A6.4	Thermal relay in magazine motor has tripped. Reset contact. Motor may be
EX0293	MAGAZINE INDEX ERROR	MER0293	A6.7	It is magazine indexing error. Magazine lock pin may be defective.
EX0298	POT STAY ON  MAGAZINE	MER0298	A6.5	The pot has been held at indexed position of magazine during returning cycle. Spindle or next tool data may be mis-setting in the parameter.
EX0299	POT DOES NOT STAY ON  MAGAZINE	MER0299	A6.6	The pot has been held at indexed position of magazine during receive cycle. Spindle or next tool data may be mis-setting in the parameter.
EX1254	MAGAZINE LOCK PIN ON	MER1254	A9.5	Magazine lock pin check signal is not off at indexing of
EX0404	S-CODE NOT COMMANDED	PER0404	A7.0	M03 or M04 command has been given when S-code is 0.
EX0406	SPINDLE  INTERLOCK ON	PER0406	A7.1	An M03, M04 or a rigid tapping command has been given while an external spindle interlock signal is input.
EX0407	CHANGE SPINDLE  DIRECTION	PER0407	A7.2	During change-over from AUTO to MANUAL mode and return to Auto mode, spindle has been rotated manually in a direction opposite to that in
EX0411	SPINDLE JOG ON	PER0411	A7.3	M03, M04 or M19 command has been given during spindle jog mode.

EX1446	ATC ARM NOT HOME POSITION	PER1446	A15.0	M19 command has been given when the ATC arm is not in home position.
EX1447	RIGID TAP MODE	PER1447	A15.1	M03, M04, M19, M06 or M33 command has been given during the rigid tap mode.
EX1449	SENSORING  TOOL ON  SPINDLE	PER1449	A16.3	An M03, M04, M19 or a rigid tapping command has been given while a sensoring tool exists in the spindle. Or, an M06 or M33 command has been given while orientation complete signal has been
EX0551	CONTOL BOX OVERHEAT	MER0551	A8.0	Excess heat in electrical control unit. Check unit and
EX0553	COOLING  SYSTEM ERROR	MER0553	A8.1	Tripping of thermal relay in cooler or fan motor, or of over-current relay in freezer has activated alarm in the oil controller. Oil cooler or fan
EX0557	OIL & AIR LUB PRESSURE DOWN	MER0557	A8.2	The oil-air lubricant pressure has not heighten.
EX0558	OIL & AIR LUB  PRESSURE UP	MER0558	A8.3	Lubricant pressure has not lowered within set time from oil-air lubricant pump turned off.
EX0559	OIL & AIR WATCH  DOG ALARM	MER0559	A8.4	The watch-dog alarm has been occurred in oil-air lubricant pressure has not heighten within the preset
EX0560	AIR PRESSURE LOW	MER0560	A8.5	Air pressure has dropped.
EX0561	OIL PRESSURE LOW	MER0561	A11.2	Decrease in hydraulic pressure.
EX0562	LUB PUMP  PRESSURE DOWN	MER0562	A8.6	The lubricant pressure switch has not been activated within the preset time after turning on the slide-way lubricant pump.

EX0563	LUB PUMP PRESSURE UP	MER0563	A8.7	The lubricant pressure has not lowered within the set time from lubricant pump turned off.
EX0565	THRU SP. CLNT. UNIT ALARM	MER0565	A9.0	JE FS-200NL: Not used. JE FS-2000ST: Booster filter of through spindle coolant unit is clogged. KNOLL type: Through spindle coolant alarm has been activated.
EX0566	THRU SP. CLNT. UNIT FILTER ALARM	MER0566	A9.1	JE FS-200NL: Neuton filter of through spindle coolant unit is clogged. JE FS-2000ST: PCF (fine) filter of through spindle coolant unit is clogged. KNOLL type: Paper filter is insufficient.
EX0567	LUBRICATION WATCH DOG ALARM	MER0567	A9.2	The watch-dog alarm has been occurred in lubricant pump. Lubricant pressure has not heighten within the preset.
EX0568	HYDRAULIC LEVEL LOW	MER0568	A11.7	Shortage of hydraulic pump oil.
EX0570	LUBRICATION OIL LEVEL LOW	MER0570	A9.3	Insufficient lubrication oil. Add oil as necessary. (Message)
EX0571	OIL & AIR LEVEL LOW	MER0571	A9.4	Shortage of lubricant oil in spindle oil-air lubricant unit. Add oil as necessary.
EX0578	COOLANT LEVEL LOW	MER0578	A15.5	Coolant amount runs short. Refill coolant.
EX0580	HYDRAULIC PUMP OVERLOAD	MER0580	A11.5	The hydraulic pump thermal relay has tripped. Reset contact. Pump may be
EX0581	COOLANT PUMP OVERLOAD	MER0581	A9.7	The coolant pump thermal relay has tripped. Reset contact. Pump may be
EX0582	LUB PUMP OVERLOAD	MER0582	A10.0	Thermal relay in lubricant pump has tripped. Reset contact. Pump may be

EX0583	CHIP CONVEYOR OVERLOAD	MER0583	A10.1	Chip conveyor thermal relay has tripped. Reset contact. Conveyor motor may be
EX0584	OIL & AIR LUB PUMP OBERLOAD	MER0584	A10.2	Thermal relay in oil-air lubricant pump has tripped. Reset contact. Pump may be
EX0591	Y-AXIS BRAKE NFB TRIP	MER0951	A10.3	NFB (no fuse breaker) of Y-axis brake has tripped.
EX0592	EX. CHIP CONVEYOR OVERLOAD	MER0592	A10.4	The thermal relay of the external chip conveyor has tripped. Reset contact. External conveyor motor may
EX0593	CHIP COOLANT OVERLOAD	MER0593	A10.5	The thermal relay of the chip-removal coolant has tripped. Reset contact. Chip-removal coolant pump may be
EX0594	SHOWER COOLANT OVERLOAD	MER0594	A10.6	The thermal relay of the shower coolant has tripped. Reset contact. Shower coolant pump may be overloaded.
EX0595	APC COOLANT PUMP OVERLOAD	MER0595	A10.7	The thermal relay of the cleaning coolant pump has tripped. Reset contact of the thermal relay. Pump may be
EX0596	SP. COOLANT PUMP OVERLOAD	MER0596	A11.0	Thermal relay of the through-spindle coolant has tripped. Reset contact of thermal relay. Pump may be overloaded.
EX0701	X AXIS NOT REFERENCE POINT	PER0701	A12.0	A pallet change command (M02, M30, M60 or M61) has been given without executing X-axis 2nd zero-return.
EX0704	STATION IMPROPER POSITION	PER0704	A12.1	An M60 or M61 command has been given while APC setup station is not in home position.
EX0707	PALLET DOES NOT STAY ON M/C	PER0707	A7.5	A pallet change command (M02, M30, M60, M61) has been given when the APC is not home position.

EX0708	APC DOOR OPEN	PER0708	A12.2	An M60 or M61 command has been given while the APC setup station cover is open.
EX0715	APC NOT HOME POSITION	PER0715	A12.4	A pallet change command (M02, M30, M60, M61) has been given when the APC is not home position.
EX0716	B AXIS NOT REFERENCE POINT	PER0716	A12.5	A pallet change command (M02, M30, M60, M61) has been given without executing
EX0720	TABLE NOT CLAMP	PER0720	A12.6	A pallet change command (M02, M30, M60, M61) has been given while table is being
EX0724	PALLET DATA ERROR	MER0724	A22.3	The pallet actually being loaded does not agree with the data in the PC memory.
EX0725	Z DATA SETTING ERROR	PER0725	A12.7	Z-axis 2nd zero-point has not been properly set at NC
EX0726	PROGRAM NO. SEARCH ERROR	PER0726	A12.3	Program has not been properly searched for after APC cycle.
EX0727	APC NOT HOME POSITION	PER0727	A13.0	The cycle start button has been pressed when APC is not in the home position.
EX0728	Z AXIS NOT REFERENCE POINT	PER0728	A13.1	A pallet change command (M02, M30, M60, M61) has been given without executing Z-axis 2nd zero-return.
EX0730	PALLET NOT CLAMP	PER0730	A14.3	The cycle start button has been pushed when pallet is
EX0731	SENSOR NOT DOWN	PER0731	A14.0	M60, M61, M02 or M30 command has been given when table-mount sensor is not down (horizontal) position.
EX0732	PALLET NOT CLAMP	PER0732	A14.5	A pallet change command (M02, M30, M60, M61) has been given while a pallet is not
EX0751	APC DOOR OPEN	PER0751	A13.2	The door of the APC setup station has been opened during the APC cycle.

EX0752	STATION IMPROPER POSITION	MER0752	A13.3	The home position check signal of APC setup station has turned off during the APC
EX0753	APC HOME POSITION LS. OFF	MER0753	A13.4	The home position check signal of APC setup station has not turned on during the
EX0754	PALLET SEATING SIGNAL ON	MER0754	A22.0	During the APC cycle the seating complete signal has not been activated within the specified time after a pallet clamp command is given.
EX0755	APC HOME POSITION LS. ON	MER0755	A13.5	The home position check signal of APC has not turned turned off during the APC
EX0757	SENSOR DOWN LS. OFF	MER0757	A11.3	A table mount sensor down (horizontal) complete signal has turned off during APC
EX0765	APC MOTOR OVERLOAD	MER0765	A13.6	The thermal relay of the rotory-type APC motor has tripped. Reset contact. Motor may be
EX0766	APC CYCLE TIME OVER	MER0766	A13.7	APC cycle has not been completed within the specified time. Check for a possible deviation in the stop position.
EX0811	SET MDI MODE	PER0811	A19.4	An M60, M61 command has been given when not in MDI
EX0812	NO SETFIN STATION	PER0812	A19.5	An M60, M61 command has been given when there is no setup completed pallet.
EX0817	P.P. NOT HOME POSITION	PER0817	A19.6	An M02, M30, M60 or M61 command has been given when P.P. is not home
EX0818	P. P. MODE IS MANUAL OPERATION	PER0818	A19.7	Pallet pool index command has been given while the operation panel of the pallet pool set to manual mode. This alarm can be cancelled by the reset button of the pallet pool.

EX0819	M60, M61 COMMAND DURING P.P. CYCLE	PER0819	A20.0	An M60 or M61 command has been given during the pallet change at the machining center, the loading/unloading cycle of the set-up station, or
EX0836	WSS COVER OPENED	PER0836	A20.7	The WSS cover has been opened. Close the WSS cover.
EX0837	PUSH RESTART BUTTON	PER0837	A21.0	Press the restart button.
EX0841	APC DATA ERROR	DER0841	A20.6	There has been an APC data error. Recheck the data of the pallet pool.
EX0843	PALLET NUMBER NOT FOUND	DER0843	A20.1	The number of the setup-complete pallet is change at the machining center.
EX0844	STATION NUMBER NOT FOUND	DER0844	A20.2	The station number of an indexing target has not been stored when the pallet is changed at the machining
EX0845	PALLET NO. NOT FOUND (WSS)	PER0845	A20.3	The number of the pallet under set-up operation has not been stored when the pallet is changed at the set-up station. This alarm can be cancelled by the reset button of the pallet
EX0846	STATION NO. NOT FOUND (WSS)	PER0846	A20.4	The station number of an indexing target has not been stored when the pallet is changed at the set-up station. This alarm can be cancelled by the reset button of the pallet
EX0847	SETTING PALLET DATA ERROR	PER0847	A20.5	Presence of data corresponding to the pallet under set-up operation does not agree with the signal concerned. This alarm can be cancelled by the reset button
EX0870	P.P. INDEX MISSING	MER0870	A18.0	During pallet indexing at the machining center, the indexing complete signal has been activated even though not at the target position.

EX0871	P.P. INDEX TIME OVER	MER0871	A18.1	During pallet loading/ unloading cycle at the machining center, pallet-pool indexing exceeds time limit
EX0880	P.P. THERMAL TRIP	MER0880	A18.2	The hydraulic pump thermal relay for the pallet pool has
EX0883	PALLET NOT STAY ON THE WSS C.P.	MER0883	A18.3	There is not a pallet on the change position station indexed during the set-up calling cycle. This alarm can be cancelled by the reset
EX0884	PALLET STAY ON THE WSS C.P.	MER0884	A18.4	There is a pallet on the change position station indexed during the set-up completion cycle. This alarm can be cancelled by the reset button of the pallet
EX0885	WSS S-UP CALL CYCLE TIME OVER	MER0885	A18.5	The set-up calling cycle has not been completed within the specified time (60 sec.). This alarm can be cancelled by the reset button of the pallet pool.
EX0886	WSS S-UP FIN CYCLE TIME OVER	MER0886	A18.6	The set-up completion cycle has not been completed within the specified time (60 sec.). This alarm can be cancelled by the reset button of the pallet
EX0887	P.P.(WSS) INDEX CYCLE TIME OVER	MER0887	A18.7	Pallet indexing at the set-up station has not been complete within the specified time (120 sec.). This alarm can be cancelled by the reset button of the pallet pool.
EX0888	P.P. (WSS) INDEX MISSING	MER0888	A19.0	The pallet indexing complete signal has been activated at the set-up station even though not in the target position.
EX0889	WSS TURN TABLE NOT HOME POSITION	MER0889	A19.1	The set-up station turn table is not in the home position when set-up station change command has been given. This alarm can be cancelled by the reset button of the pallet

EX0892	P.P. NOT HOME  POSITION (WSS)	MER0892	A19.2	A set-up station pallet change command has been given when the set-up station shifter is not in the home position, or home position has deviated during set-up side pallet indexing. This alarm can be cancelled by the reset button
EX0893	P.P. HOME POSITION OFF	MER0893	A19.3	During pallet indexing, pallet pool home position has
EX0927	OUT OF SENSORING AREA	PER0927	A14.1	A table mount sensor UP command (M44) has been given when the table mount sensor is not in the UP
EX0928	APC NOT HOME POSITION	PER0928	A14.2	A table mount sensor UP command (M44) has been given when the APC is not in the home position.
EX0974	SENSOR UP,DOWN TIME OVER	MER0974	A11.4	A table mount sensor UP (vertical) or DOWN (horizontal) movement has not been completed within specified
EX0999	SEQUENCE PROGRAM ERROR	DER0999	A3.7	Sequence program is abnormal.
EX1024	DOOR MUST BE OPENED ONCE	PER1024	A7.4	Open and close the door before starting a new cycle.
EX1034	POWER MUST BE OFF	PER1034	A16.5	After turning off the power once, turn it on again.
EX1035	MONITOR PARAMETER ALARM	MER1035	A16.6	Parameter for load monitor function is improperly set.
EX1036	TEACHING ALARM	MER1036	A16.7	Teaching alarm has been activated.
EX1037	SPINDLE OVERLOAD	MER1037	A17.0	Spindle is overloaded.
EX1038	X-AXIS OVERLOAD	PER1038	17.1	X-axis is overloaded.

EX1039	Y-AXIS OVERLOAD	PER1039	A17.2	Y-axis is overloaded.
EX1040	Z-AXIS OVERLOAD	PER1040	A17.3	Z-axis is overloaded.
EX1047	MACHINE SPEC. PARAM. CLEARED	PER1047	A15.3	Parameter (D100-D109) for machine spec. is improperly set.
EX1050	SPINDLE LOAD WARNING	MER1050	A17.4	Spindle is overloaded. Warning level.
EX1051	X-AXIS LOAD WARNING	MER1051	A17.5	X-axis overload warning level.
EX1052	Y-AXIS LOAD WARNING	MER1052	A17.6	Y-axis overload warning level.
EX1053	Z-AXIS LOAD WARNING	MER1053	A17.7	Z-axis overload warning level.
EX1157	ORT.OFF DURING ATC CYCLE	MER1157	A15.4	Orientation has been OFF during ATC cycle.
EX1158	ATC NOT FINISHED	MER1158	A16.2	Tool clamp detect signal has never turned off or arm pullout detect signal has never turned on when ATC cycle was
EX1270	ATC/MG ILLEGAL MOVEMENT	MER1270	A3.5	ATC or magazine tries the operation without the command. The driver or arm home position check signal or the magazine B-phase signal
EX1752	PALLET SEATING SIGNAL OFF	MER1752	A22.1	On cutting pallet seating signal off. Check the pallet clamping correct.
EX1754	PALLET SEATING SIGNAL NOT OFF	MER1754	A22.2	During the APC cycle the seating complete signal has not been off.
EX1923	PROGRAM NOT FINISHED	PER1923	A16.1	In another mode except M02, M30, M00 and M01, the weekly timer is started while the power is automatically cut

EX1955

WSS AUTO DOOR

PER1955

A16.4

station has not been  
completed within the specified  
time.

TIME OVER

---