

2012 - Mazda6 - Transmission/ Transaxle

NO.31 M POSITION INDICATOR LIGHT DOES NOT ILLUMINATE IN M POSITION/ M POSITION INDICATOR LIGHT ILLUMINATES IN D POSITION [FS5A-EL]

31	M position indicator light dose not illuminate in M position/M position indicator light illuminate in D position
DESCRIPTION	M position indicator light in instrument cluster dose not illuminate in M position or M position indicator light in instrument cluster in D position with the ignition at ON.
POSSI BLE CAUSE	- M position switch (built-in selector lever component) or related wiring harness malfunction. - Instrument cluster malfunction NOTE: - Before following the troubleshooting steps, make sure that the Automatic Transaxle On-Board Diagnostic and Automatic Transaxle Basic Inspection are conducted. (See BASI C I NSPECTION [FS5A-EL] .)

Diagnostic procedure

STEP	INSPECTION	ACTION
1	DETERMINE IF MALFUNCTION CAUSE IS POSITION SWITCH SIGNAL OR INSTRUMENT CLUSTER	Yes Go to Step 3.
	- Inspect the MNL SW PID value using the M-MDS. (See ON-BOARD DIAGNOSTIC SYSTEM PID/ DATA MONITOR I NSPECTION [FS5A-EL] .) - Is the MNL SW PID value normal?	No Go to the next step.
2	VERIFY IF MALFUNCTION CAUSE IS M POSITION SWITCH OR M POSITION SWITCH RELATED WIRING HARNESS Inspect the M position switch.	Yes Inspect for short to ground circuit in wiring harness between TCM terminal 2B and selector lever component terminal A. Repair or replace the any malfunctioning parts.

	(See M POSITION SWITCH INSPECTION [FS5A-EL] .) • Is the M position switch normal?	No	Replace the M position switch. (See M POSITION SWITCH REMOVAL/ INSTALLATION [FS5A-EL] .)
3	INSPECT INSTRUMENT CLUSTER FOR MALFUNCTION • Inspect the instrument cluster. (See INSTRUMENT CLUSTER INSPECTION .) • Is instrument cluster normal?	Yes	Go to the next step.
		No	Replace the instrument cluster. (See INSTRUMENT CLUSTER REMOVAL/ INSTALLATION .)
4	• Verify test results. ▪ If normal, return to the diagnostic index to service any additional symptoms. ▪ If the malfunction remains, inspect the related Service Bulletins and/or On-line Repair Information and perform repair or diagnosis. • If the vehicle is repaired, troubleshooting is completed. • If the vehicle is not repaired or additional diagnostic information is not available, replace the TCM.		

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4	- Verify test results. - If normal, return to the diagnostic index to service any additional symptoms. - If the malfunction remains, inspect the related Service Bulletins and/or On-line Repair Information and perform repair or diagnosis. - If the vehicle is repaired, troubleshooting is completed. - If the vehicle is not repaired or additional diagnostic information is not available, replace the TCM.	