

2012 - Mazda6 - Transmission/ Transaxle

NO.28 GEAR POSITION INDICATOR LIGHT ILLUMINATES IN P, R, N AND D POSITION [FS5A-EL]

28	Gear position indicator light illuminate in P, R, N and D position
DESCRIPTION	Gear position indicator light in instrument cluster illuminates in P, R, N and D position with the ignition at ON.
POSSIBLE CAUSE	- M position switch (built-in selector lever component), instrument cluster, or related wiring harness malfunction NOTE: - Before following the troubleshooting steps, make sure that the Automatic Transaxle ON-Board Diagnostic and Automatic Transaxle Basic Inspection are conducted. (See BASIC INSPECTION [FS5A-EL].)

Diagnostic procedure

STEP	INSPECTION	ACTION
1	DETERMINE IF MALFUNCTION CAUSE IS M POSITION SWITCH SIGNAL OR INSTRUMENT CLUSTER - Inspect the MNL SW PID value using the M-MDS. (See ON-BOARD DIAGNOSTIC SYSTEM PID/ DATA MONITOR INSPECTION [FS5A-EL].) - Is the PID value normal?	Yes Go to Step 3.
		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. (See M POSITION SWITCH INSPECTION [FS5A-EL].) - Is the M position switch normal?	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.
		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.
4	- Verify the 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.	No	Replace the instrument cluster. (See INSTRUMENT CLUSTER REMOVAL/ INSTALLATION .)

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