2012 - Mazda6 - Engine

DTC P1639:00 [MZI 3.7 V6]

DTC P1639:00	Vehicle ID block corrupted, that not programmed
DETECTION CONDITION	• This DTC indicates that the VID block is not programmed or the information within is corrupt.
POSSIBLE CAUSE	• New PCM • Incorrect PCM • Incorrect VID configuration

Diagnostic procedure

STEP	INSPECTION		ACTION
1	**VERIFY FREEZE FRAME DATA HAS BEEN RECORDED** • Has FREEZE FRAME DATA been recorded?	Yes	Go to the next step.
		No	Record FREEZE FRAME DATA on the repair order, then go to the next step.
2	**VERIFY RELATED REPAIR INFORMATION AVAILABILITY** • Verify related Service Bulletins and/or on-line repair information availability. • Is any related Service Bulletins available?	Yes	Perform repair or diagnosis according to the available Service Bulletins. • If the vehicle is not repaired, go to the next step.
		No	Perform the PCM reprogramming procedure. (See **PCM CONFIGURATION [MZI 3.7 V6]**.) Then go to the next step.
3	**VERIFY TROUBLESHOOTING OF DTC P1639:00 HAS BEEN COMPLETED** • Verify that all disconnected connectors	Yes	Replace the PCM, then go to the next step. (See **PCM REMOVAL/INSTALLATION [MZI 3.7 V6]**.)

	are reconnected. • Switch the ignition ON (Engine off). • Clear the DTC from the PCM memory using the M-MDS. • Perform the KOEO or KOER self-test. (See **KOEO/ KOER SELF TEST [MZI 3.7 V6]**.) • Retrieve DTCs using the M-MDS. • Is the PENDING CODE for this DTC present?	No	Go to the next step.
4	**VERIFY AFTER REPAIR PROCEDURE** • Perform the "AFTER REPAIR PROCEDURE". (See **AFTER REPAIR PROCEDURE [MZI 3.7 V6]**.) • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See **DTC TABLE [MZI 3.7 V6]**.)
		No	Troubleshooting completed.

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