

2012 - Mazda6 - Transmission/ Transaxle

DTC P0894:00 [FS5A-EL]

DTC P0894:00	Transaxle component slipping
DETECTION CONDITION	- The TCM detects that turbine revolution is 187.5 rpm or more for 3 s when the following conditions are met. - D or M position - Accelerator pedal position: released - Brake pedal position: depressed - Vehicle speed: 0 km/h {0 mph} Diagnostic support note - The MIL does not illuminate. - The AT warning light illuminates. - PENDING CODE is not available. - FREEZE FRAME DATA is not available. - The DTC is stored in the TCM memory.
POSSIBLE CAUSE	- Shift solenoid A malfunction - Forward clutch not engaged or slipped - TCM malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY RELATED REPAIR INFORMATION AVAILABILITY - Verify related Service Bulletins and/or on-line repair information availability. - Is any related repair information available?	Yes Perform repair or diagnosis according to the available repair information. If the vehicle is not repaired, go to the next step.
		No Go to the next step.

2	VERIFY DTC IS PRESENT • Switch the ignition to ON (Engine off). • Perform the "Reading DTCs Procedure". (See ON-BOARD DIAGNOSTIC SYSTEM DTC INSPECTION [FS5A-EL].) • Are the following DTCs output? ▪ P0720:00 (VSS circuit malfunction) ▪ P0752:00 (Shift solenoid A stuck on) ▪ P0753:00 (Shift solenoid A electrical malfunction)	Yes	Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [FS5A-EL] .)
		No	Replace the forward clutch, then go to the next step.
3	VERIFY TROUBLESHOOTING OF DTC P0894:00 COMPLETED • Make sure to reconnect all the disconnected connectors. • Clear the DTC using the M-MDS. • Perform the following procedure to ensure that the DTC has been resolved: ◦ Start the engine. ◦ Select the selector lever to D or M position. ◦ Release the accelerator pedal and depress the brake pedal for 3 s or more. • Is the same DTC present?	Yes	Replace the TCM, then go to the next step. (See TCM REMOVAL/ INSTALLATION [FS5A-EL] .)
		No	Go to the next step.
4	VERIFY NO DTCs ARE PRESENT • Perform the "Reading DTCs Procedure". (See ON-BOARD DIAGNOSTIC SYSTEM DTC INSPECTION [FS5A-EL].) • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [FS5A-EL] .)
		No	DTC troubleshooting completed.

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