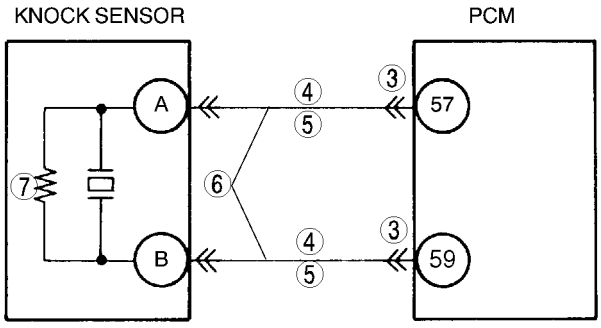
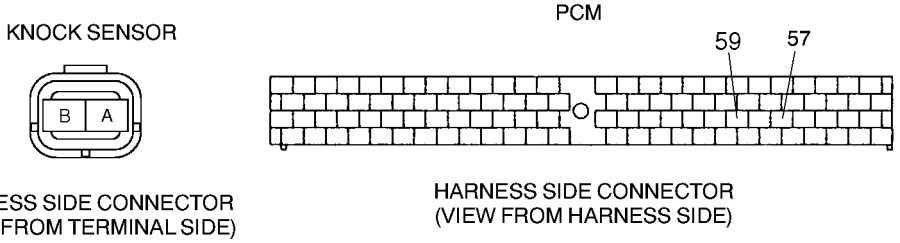
STEP	INSPECTION		ACTION
13	**VERIFY TROUBLESHOOTING OF MISFIRE DTC COMPLETED** • Make sure to reconnect all disconnected connectors. • Start engine. • Clear DTC from PCM memory using WDS or equivalent. • Perform OBD-II DRIVE MODE 1. (See 01–02B–10 Mode 1 (PCM adaptive memory procedure drive mode).) • Is same PENDING CODE or stored code of same DTC present?	Yes	Replace PCM, then go to next step.
		No	Go to next step.
14	**VERIFY AFTER REPAIR PROCEDURE** • Perform “After Repair Procedure”. (See 01–02B–9 AFTER REPAIR PROCEDURE [FS].) • Is there any DTC present?	Yes	Go to applicable DTC inspection. (See 01–02B–15 DTC TABLE [FS].)
		No	Troubleshooting completed.

DTC P0325 [FS]

A3U010201085W03

DTC P0325	Knock sensor circuit malfunction
DETECTION CONDITION	• PCM monitors input signal from knock sensor when the following monitoring conditions are met. If PCM does not receive input signal from knock sensor for **5 seconds**, PCM determines that knock sensor circuit is malfunctioning. **MONITORING CONDITIONS** — Engine load is **above 50%** — Engine coolant temperature is **above 60 °C {140 °F}**. — Engine speed is **within 1,500—5,000 rpm**. **Diagnostic support note** • This is a continuous monitor (CCM). • MIL illuminates if PCM detects the above malfunction condition during first drive cycle. • PENDING CODE is not available. • FREEZE FRAME DATA is available. • DTC is stored in the PCM memory.
POSSIBLE CAUSE	• Knock sensor malfunction • Connector or terminal malfunction • Open or short to ground circuit between knock sensor connector terminal A and PCM terminal 57 • Open or short to ground circuit between knock sensor connector terminal B and PCM terminal 59 • Short between two wires of knock sensor





Diagnostic procedure

STEP	INSPECTION		ACTION
1	**VERIFY FREEZE FRAME DATA HAS BEEN RECORDED** • Has FREEZE FRAME DATA been recorded?	Yes	Go to next step.
		No	Record FREEZE FRAME DATA on repair order, then go to next step.
2	**VERIFY RELATED REPAIR INFORMATION AVAILABILITY** • Check for related Service Bulletins availability. • Is any related repair information available?	Yes	Perform repair or diagnosis according to available repair information. • If vehicle is not repaired, go to next step.
		No	Go to next step.
3	**INSPECT PCM CONNECTOR TERMINAL** • Turn ignition key to OFF. • Disconnect PCM connector. • Check for poor connection at terminals 57 and 66 (damaged, pulled-out pins, corrosion, etc.). • Is there any malfunction?	Yes	Repair terminal, then go to Step 8.
		No	Go to next step.
4	**INSPECT KNOCK SENSOR CIRCUITS FOR OPEN CIRCUIT** • Disconnect knock sensor connector. • Check continuity between the following circuits: — Knock sensor female terminal A (harness-side) and PCM terminal 57 (harness-side) — Knock sensor female terminal B (harness-side) and PCM terminal 59 (harness-side) • Is there continuity?	Yes	Go to next step.
		No	Repair or replace suspected wiring harness, then go to Step 8.
5	**INSPECT KNOCK SENSOR CIRCUITS FOR SHORT TO GROUND** • Check continuity between following circuits: — Knock sensor female terminal A (harness-side) and body ground — Knock sensor female terminal B (harness-side) and body ground • Is there continuitity?	Yes	Repair or replace suspected wiring harness, then go to Step 8.
		No	Go to next step.
6	**CHECK FOR SHORT CIRCUITS** • Check continuity between knock sensor female terminals A and B (harness-side). • Is there continuity?	Yes	Repair or replace suspected harness, then go to Step 8.
		No	Go to next step.
7	**CHECK KNOCK SENSOR RESISTANCE** • Measure resistance between knock sensor terminals (part-side). • Is resistance **approx. 560 kilohms**?	Yes	Go to next step.
		No	Replace knock sensor, then go to next step.
8	**VERIFY TROUBLESHOOTING OF DTC P0325 COMPLETED** • Make sure to reconnect all disconnected connectors. • Turn ignition key to ON (Engine OFF). • Clear DTC from memory using WDS or equivalent. • Start engine. • Access ECT, RPM and LOAD PIDs using WDS or equivalent. • Run vehicle **more than 5 seconds** in the following conditions: — ECT: **above 60 °C {140 °F}** — RPM: **1,500—5,000 rpm** — LOAD: **above 50%** • Is same DTC present?	Yes	Replace or reprogram PCM. Then go to next step.
		No	Go to next step.
9	**VERIFY AFTER REPAIR PROCEDURE** • Perform “After Repair Procedure” (See 01–02B–9 AFTER REPAIR PROCEDURE [FS].) • Is there any DTC present?	Yes	Go to applicable DTC inspection. (See 01–02B–15 DTC TABLE [FS].)
		No	Troubleshooting completed.