

DTC P0328 [LF]

B3E010201085W04

| DTC P0328 | KS circuit high input |
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| DETECTION CONDITION <ul style="list-style-type: none"> The PCM monitors the input signal from the KS when the engine is running. If the input voltage at PCM terminals between 2Q and 2R is above 4.9 V, the PCM determines that KS circuit has a malfunction. Diagnostic support note This is a continuous monitor (CCM). MIL illuminates if the PCM detects the above malfunction conditions during first drive cycle. PENDING CODE is available if the PCM detects the above malfunction condition. FREEZE FRAME DATA is available. The DTC is stored in the PCM memory. | |
| POSSIBLE CAUSE <ul style="list-style-type: none"> KS malfunction Connector or terminal malfunction Short to power supply in wiring harness between KS terminal A and PCM terminal 2Q Short to power supply in wiring harness between KS terminal B and PCM terminal 2R | |
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Diagnostic procedure

| STEP | INSPECTION | ACTION | |
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| 1 | VERIFY FREEZE FRAME DATA HAS BEEN RECORDED <ul style="list-style-type: none"> Has FREEZE FRAME DATA been recorded? | Yes | Go to the next step. |
| | | No | Record the FREEZE FRAME DATA on the repair order, then go to the next step. |
| 2 | VERIFY RELATED REPAIR INFORMATION AVAILABILITY <ul style="list-style-type: none"> Verify related service 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. |
| | INSPECT KS CONNECTOR TERMINAL | | |

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| 3 | <ul style="list-style-type: none"> • Turn the ignition switch off. • Disconnect KS connector. • Inspect for poor connection at terminals A and B (such as damaged/pulled-out pins, corrosion). • Is there any malfunction? | Yes | Repair the terminal, then go to step 7. |
| | | No | Go to the next step. |
| 4 | INSPECT KS <ul style="list-style-type: none"> • Perform KS inspection. (See KNOCK SENSOR (KS) INSPECTION [LF]) <ul style="list-style-type: none"> • Is the KS normal? | Yes | Go to the next step. |
| | | No | Replace the KS, then go to step 7. |
| 5 | INSPECT KNOCK SIGNAL CIRCUIT FOR SHORT TO POWER SUPPLY <ul style="list-style-type: none"> • Turn the ignition switch to the ON position (Engine off). • Measure the voltage between KS terminal A (wiring harness-side) and body GND and KS terminal B (wiring harness-side) and body GND? • Is any voltage reading? | Yes | Repair or replace wiring harness for short to power supply, then go to step 7. |
| | | No | Go to the next step. |
| 6 | INSPECT PCM CONNECTOR <ul style="list-style-type: none"> • Disconnect PCM connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction? | Yes | Repair or replace the terminal, then go to the next step. |
| | | No | Go to the next step. |
| 7 | VERIFY TROUBLESHOOTING OF DTC P0328 COMPLETED <ul style="list-style-type: none"> • Make sure to connect all disconnected connectors. • Clear the DTC from the PCM memory using the WDS or equivalent. • Start the engine. • Is the same DTC present? | Yes | Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [LF] .) |
| | | No | Go to the next step. |
| 8 | VERIFY AFTER REPAIR PROCEDURE <ul style="list-style-type: none"> • Perform the "After Repair Procedure". (See AFTER REPAIR PROCEDURE [LF] .) <ul style="list-style-type: none"> • Are any DTC present? | Yes | Go to the applicable DTC troubleshooting. (See DTC TABLE [LF] .) |
| | | No | Troubleshooting completed. |