

DTC P0339:00 [SKYACTIV-D 2.2]

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DTC P0339:00	CKP sensor circuit range/performance problem
DETECTION CONDITION	<ul style="list-style-type: none">• When any of the following conditions is met:<ul style="list-style-type: none">— The calculated value of the crank angle from the CKP sensor is compared with the crank angle while a cylinder identification is performed when the engine is restarted, and the PCM cannot detect the reverse rotation directly before the engine stalls during i-stop operation.— The PCM detects the reverse rotation pulse while the crankshaft is rotated clockwise. Diagnostic support note <ul style="list-style-type: none">• This is a continuous monitor (CCM).• The check engine light does not illuminate.• FREEZE FRAME DATA (Mode 2)/Snapshot data is not available.• DTC is stored in the PCM memory.
FAIL-SAFE FUNCTION	<ul style="list-style-type: none">• Inhibits engine-stop by operating the i-stop function.
POSSIBLE CAUSE	<ul style="list-style-type: none">• CKP sensor malfunction• PCM malfunction
SYSTEM WIRING DIAGRAM	Not applicable

Diagnostic Procedure

STEP	INSPECTION	ACTION
1	VERIFY RELATED SERVICE INFORMATION AVAILABILITY <ul style="list-style-type: none">• Verify related Service Information availability.• Is any related Service Information available?	Yes Perform repair or diagnosis according to the available Service Information. <ul style="list-style-type: none">• If the vehicle is not repaired, go to the next step.
		No Go to the next step.
2	VERIFY RELATED PENDING CODE AND/OR DTC <ul style="list-style-type: none">• Switch the ignition off, then ON (engine off).• Perform the Pending Trouble Code Access Procedure and DTC Reading Procedure. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].)• Are any other PENDING CODEs and/or DTCs present?	Yes Go to the applicable PENDING CODE or DTC inspection. (See DTC TABLE [SKYACTIV-D 2.2].)
		No Go to the next step.
3	INSPECT CKP SENSOR <ul style="list-style-type: none">• Inspect the CKP sensor. (See CRANKSHAFT POSITION (CKP) SENSOR INSPECTION [SKYACTIV-D 2.2].)• Is there any malfunction?	Yes Replace the CKP sensor, then go to the next step. (See CRANKSHAFT POSITION (CKP) SENSOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
		No Go to the next step.
4	VERIFY DTC TROUBLESHOOTING COMPLETED <ul style="list-style-type: none">• Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)• Drive the vehicle and using the i-stop function.• Perform the DTC Reading Procedure. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].)• Is the same DTC present?	Yes Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
		No Go to the next step.
5	VERIFY AFTER REPAIR PROCEDURE <ul style="list-style-type: none">• Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].)• Are any DTCs present?	Yes Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-D 2.2].)
		No DTC troubleshooting completed.