

DTC P1200:00 [SKYACTIV-D 2.2]

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DTC P1200:00	Fuel injection amount learning not completed
DETECTION CONDITION	<ul style="list-style-type: none">Fuel injector injection amount correction is not completed correctly. Diagnostic support note <ul style="list-style-type: none">This is a continuous monitor (other).The check engine light illuminates if the PCM detects the above malfunction condition during the first drive cycle.FREEZE FRAME DATA (Mode 2)/Snapshot data is 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">Loose connection temporary between DLC-2 and M-MDS while injection amount correction.Fuel injector injection amount correction procedure has not been completed.Fuel injector malfunctionMechanical (engine) malfunction<ul style="list-style-type: none">Improper engine compressionPCM malfunction
SYSTEM WIRING DIAGRAM	Not applicable

Diagnostic Procedure

STEP	INSPECTION	ACTION
1	VERIFY FREEZE FRAME DATA (MODE 2)/ SNAPSHOT DATA HAS BEEN RECORDED <ul style="list-style-type: none">Has the FREEZE FRAME DATA (Mode 2)/ snapshot data been recorded?	Yes Go to the next step.
		No Record the FREEZE FRAME DATA (Mode 2)/snapshot data on the repair order, then go to the next step.
2	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.
3	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.
4	INSPECT DLC-2 CONNECTION CONDITION <ul style="list-style-type: none">Switch the ignition off.Inspect for poor connection (such as damaged/ pulled-out pins, corrosion).Is there any malfunction?	Yes Repair or replace the malfunctioning part according to the inspection results, then go to Step 9.
		No Go to the next step.
5	INSPECT FUEL INJECTOR <ul style="list-style-type: none">Inspect the fuel injector. (See FUEL INJECTOR INSPECTION [SKYACTIV-D 2.2].)Is there any malfunction?	Yes Replace the fuel injector, then go to Step 9. (See FUEL INJECTOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
		No Go to the next step.

STEP	INSPECTION	ACTION	
6	INSPECT ENGINE COMPRESSION <ul style="list-style-type: none"> Inspect the engine compression. (See COMPRESSION INSPECTION [SKYACTIV-D 2.2].) Are compression pressures within specification? Specification: <ul style="list-style-type: none"> Compression <ul style="list-style-type: none"> Standard: 2,255 kPa {22.99 kgf/cm², 327.1 psi} (180 rpm) Minimum: 1,804 kPa {18.40 kgf/cm², 261.6 psi} (180 rpm) Maximum difference between cylinders: 147 kPa {1.50 kgf/cm², 21.3 psi} (180 rpm) 	Yes	Go to the next step.
		No	Repair or replace the malfunctioning part according to the inspection results, then go to Step 9.
7	PERFORM FUEL INJECTOR INJECTION AMOUNT CORRECTION <ul style="list-style-type: none"> Perform the FUEL INJECTOR INJECTION AMOUNT CORRECTION. (See FUEL INJECTOR INJECTION AMOUNT CORRECTION [SKYACTIV-D 2.2].) Start the engine. Verify the glow indicator light. Does the glow indicator light illuminate? 	Yes	Re-perform the PCM fuel injection amount adjustment. (Perform the FUEL INJECTOR DATA RESET and FUEL INJECTOR CODE PROGRAM using the M-MDS.) (See FUEL INJECTOR DATA RESET [SKYACTIV-D 2.2].) (See FUEL INJECTOR CODE PROGRAM [SKYACTIV-D 2.2].) Go to the next step.
		No	Go to the next step.
8	VERIFY DTCs <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].) Perform the DTC Reading Procedure. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].) Is the same DTC present? 	Yes	Repeat the inspection from Step 1. • If a malfunction occurs, change the learning method (use/ do not use M-MDS), and re-implement the FUEL INJECTOR INJECTION AMOUNT CORRECTION. (See FUEL INJECTOR INJECTION AMOUNT CORRECTION [SKYACTIV-D 2.2].) Go to the next step.
		No	Go to Step 10.
9	VERIFY DTC TROUBLESHOOTING COMPLETED <ul style="list-style-type: none"> Always reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-D 2.2].) Perform the DTC Reading Procedure. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-D 2.2].) Is the same DTC present? 	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].) Go to the next step.
		No	Go to the next step.
10	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.