

DTC U0323:00 [SKYACTIV-D 2.2]

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DTC U0323:00	Instrument cluster error
DETECTION CONDITION	<ul style="list-style-type: none"> When any of the following conditions is met: <ul style="list-style-type: none"> CAN communication line malfunction between PCM and instrument cluster Instrument cluster internal malfunction Diagnostic support note <ul style="list-style-type: none"> This is a continuous monitor (other). 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	Not applicable
POSSIBLE CAUSE	<ul style="list-style-type: none"> CAN drive error (instrument cluster or PCM) CAN communication line malfunction between PCM and instrument cluster <ul style="list-style-type: none"> Instrument cluster terminal B—Front body control module (FBCM) terminal 2K Instrument cluster terminal D—Front body control module (FBCM) terminal 2I Front body control module (FBCM) terminal 2P—PCM terminal 2AK Front body control module (FBCM) terminal 2N—PCM terminal 2AL Front body control module (FBCM) malfunction Instrument cluster connector or terminals malfunction PCM connector or terminals malfunction Instrument cluster malfunction PCM malfunction

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INSTRUMENT CLUSTER

INSTRUMENT CLUSTER WIRING HARNESS-SIDE CONNECTOR

PCM

FBCM WIRING HARNESS-SIDE CONNECTOR

PCM WIRING HARNESS-SIDE CONNECTOR

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. • If the vehicle is not repaired, go to the next step.
		No	Go to the next step.
2	VERIFY DTC FOR MODULE COMMUNICATION <ul style="list-style-type: none"> • Switch the ignition off, then ON (engine off). • Perform the 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	VERIFY FRONT BODY CONTROL MODULE (FBCM) DTC <ul style="list-style-type: none"> • Perform the front body control module (FBCM) DTC inspection using the M-MDS. (See DTC INSPECTION [FRONT BODY CONTROL MODULE (FBCM)].) • Are any DTCs present? 	Yes	Go to the applicable DTC inspection. (See DTC TABLE [FRONT BODY CONTROL MODULE (FBCM)].)
		No	Go to the next step.
4	VERIFY INSTRUMENT CLUSTER DTC <ul style="list-style-type: none"> • Perform the instrument cluster DTC inspection using the M-MDS. (See DTC INSPECTION [INSTRUMENT CLUSTER].) • Are any DTCs present? 	Yes	DTC U0100:00 is displayed: <ul style="list-style-type: none"> • CAN communication line can be considered the cause. <ul style="list-style-type: none"> — Repair or replace the following wiring harnesses, then go to Step 7. <ul style="list-style-type: none"> • Instrument cluster terminal B—Front body control module (FBCM) terminal 2K • Instrument cluster terminal D—Front body control module (FBCM) terminal 2I • Front body control module (FBCM) terminal 2P—PCM terminal 2AK • Front body control module (FBCM) terminal 2N—PCM terminal 2AL • DTC other than U0100:00 is displayed: <ul style="list-style-type: none"> • Go to the applicable DTC inspection. (See DTC TABLE [INSTRUMENT CLUSTER].)
		No	Go to the next step.
5	INSPECT INSTRUMENT CLUSTER CONNECTOR CONDITION <ul style="list-style-type: none"> • Switch the ignition off. • Disconnect the instrument cluster connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction? 	Yes	Repair or replace the connector and/or terminals, then go to Step 7.
		No	Go to the next step.
6	INSPECT PCM CONNECTOR CONDITION <ul style="list-style-type: none"> • Disconnect the PCM connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction? 	Yes	Repair or replace the connector and/or terminals, then go to the next step.
		No	Repair or replace the following wiring harnesses. <ul style="list-style-type: none"> • Instrument cluster terminal B—Front body control module (FBCM) terminal 2K • Instrument cluster terminal D—Front body control module (FBCM) terminal 2I • Front body control module (FBCM) terminal 2P—PCM terminal 2AK • Front body control module (FBCM) terminal 2N—PCM terminal 2AL — If the malfunction recurs, replace the instrument cluster. (See INSTRUMENT CLUSTER REMOVAL/INSTALLATION.) Go to the next step.

STEP	INSPECTION	ACTION	
7	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 KOEO or KOER self test. (See KOEO/KOER SELF 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.
8	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.