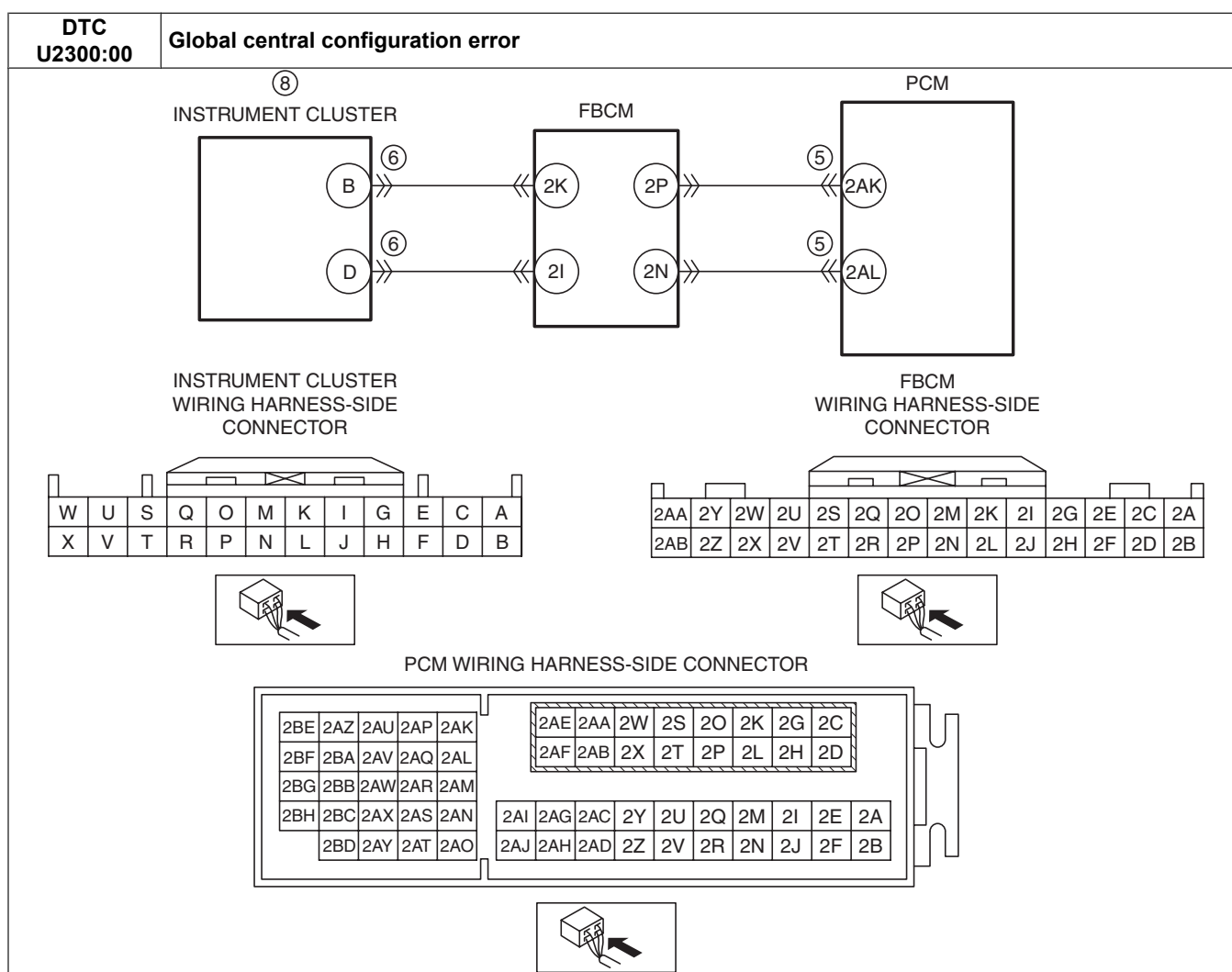


DTC U2300:00 [SKYACTIV-D 2.2]

id0102s4228300

DTC U2300:00	Global central configuration error
DETECTION CONDITION	<ul style="list-style-type: none">• Any of following conditions occurs:<ul style="list-style-type: none">— No configuration of instrument cluster— The configuration signal with the estimated CAN ID is not sent from the instrument cluster.— The configuration signal value sent via CAN from the instrument cluster is unknown or invalid.— The configuration signal value sent via CAN from the instrument cluster is a value other than the estimated value.— The configuration signal value sent via CAN from the instrument cluster does not match the PCM value. <p>Diagnostic support note</p> <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)• Configuration data for the instrument cluster is incorrectly set• 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• PCM connector or terminals malfunction• Instrument cluster connector or terminals malfunction• Instrument cluster loose• Instrument cluster malfunction• Error in non-volatile memory in PCM• PCM malfunction



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.
		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].) Is the DTC U0155:00 also present? 	Yes	Go to the applicable DTC inspection. (See DTC U0073:00, U0101:00, U0121:00, U0131:00, U0140:00, U0151:00, U0155:00, U0214:00, U0235:00 [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	Go to the applicable DTC inspection. (See DTC TABLE [INSTRUMENT CLUSTER].)
		No	Go to the next step.

STEP	INSPECTION		ACTION
5	INSPECT PCM CONNECTOR CONDITION <ul style="list-style-type: none"> Switch the ignition off. 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 Step 9.
		No	Go to the next step.
6	INSPECT INSTRUMENT CLUSTER CONNECTOR CONDITION <ul style="list-style-type: none"> 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 9.
		No	Go to the next step.
7	INSPECT INSTALLATION OF INSTRUMENT CLUSTER <ul style="list-style-type: none"> Inspect installation of instrument cluster. Is the instrument cluster installed securely? 	Yes	Go to the next step.
		No	Retighten the instrument cluster, then go to Step 9. (See INSTRUMENT CLUSTER REMOVAL/INSTALLATION.)
8	INSPECT INSTRUMENT CLUSTER <ul style="list-style-type: none"> Inspect the instrument cluster. (See INSTRUMENT CLUSTER INSPECTION.) Is there any malfunction? 	Yes	Replace the instrument cluster, then go to the next step. (See INSTRUMENT CLUSTER REMOVAL/INSTALLATION.)
		No	Go to the next step.
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].) Switch the ignition ON (engine off) and wait for 15 s or more. Switch the ignition off. Wait until the main relay is off (approx. 1 min). 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.