

Caution

- Vehicle specifications differ depending on the vehicle identification number (VIN).
 - Type A VIN:
 - JM0 KE***** 100001—
 - JM6 KE***** 100001—
 - JM7 KE***** 100001—
 - JM8 KE***** 100001—
 - JMZ KE***** 100001—
 - KE10** 100001—
 - Type B VIN:
 - JM0 KE***** 200001—
 - JM6 KE***** 200001—
 - JM8 KE***** 200001—
 - JMZ KE***** 200001—
 - KE10** 200001—

DTC U0073:00	CAN system communication error (HS CAN)
DETECTION CONDITION	<ul style="list-style-type: none"> • Malfunction in CAN bus communication line. 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 bus communication line malfunction • PCM malfunction
SYSTEM WIRING DIAGRAM	Not applicable

DTC U0101:00	CAN communication: communication error to TCM
DETECTION CONDITION	<ul style="list-style-type: none"> • Communication error between the TCM continues for 5 s or more. 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"> • Controls the turbine rotation signal at 0. • Inhibits the AT torque reduction request. • Inhibits the i-stop control and flashes the i-stop warning light (amber) (engine stalls while engine is stopped by i-stop control).
POSSIBLE CAUSE	Note <ul style="list-style-type: none"> • During malfunction diagnosis, first verify the malfunction detection of DTC U0074:00 or U0115:00 for the TCM. <ul style="list-style-type: none"> • CAN communication line malfunction between PCM and TCM • TCM malfunction • PCM malfunction
SYSTEM WIRING DIAGRAM	Not applicable

DTC U0121:00	CAN communication: communication error to DSC HU/CM
DETECTION CONDITION	<ul style="list-style-type: none"> • Communication error between the DSC HU/CM continues for 5 s or more. 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 the DSC control. • Inhibits the i-stop control and flashes the i-stop warning light (amber) (engine stalls while engine is stopped by i-stop control).
POSSIBLE CAUSE	<ul style="list-style-type: none"> • CAN communication line malfunction between PCM and DSC HU/CM • DSC HU/CM malfunction • PCM malfunction
SYSTEM WIRING DIAGRAM	Not applicable

DTC U0131:00	CAN communication: communication error to EPS control module
DETECTION CONDITION	<ul style="list-style-type: none"> • Communication error between the EPS control module continues for 5 s or more. 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	<ul style="list-style-type: none"> • Inhibits the i-stop control and flashes the i-stop warning light (amber) (engine stalls while engine is stopped by i-stop control).
POSSIBLE CAUSE	<ul style="list-style-type: none"> • CAN communication line malfunction between PCM and EPS control module • EPS control module malfunction • PCM malfunction
SYSTEM WIRING DIAGRAM	Not applicable

DTC U0140:00	CAN communication: communication error to front body control module (FBCM)
DETECTION CONDITION	<ul style="list-style-type: none"> • Communication error between the front body control module (FBCM) continues for 5 s or more. 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	<ul style="list-style-type: none"> • Inhibits the i-stop control and flashes the i-stop warning light (amber) (engine stalls while engine is stopped by i-stop control).
POSSIBLE CAUSE	<ul style="list-style-type: none"> • CAN communication line malfunction between PCM and front body control module (FBCM) • Front body control module (FBCM) malfunction • PCM malfunction
SYSTEM WIRING DIAGRAM	Not applicable

DTC U0151:00	CAN communication: communication error to SAS control module
DETECTION CONDITION	<ul style="list-style-type: none"> • Communication error between the SAS control module continues for 5 s or more. 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	<ul style="list-style-type: none"> • Inhibits the i-stop control and flashes the i-stop warning light (amber) (engine stalls while engine is stopped by i-stop control).

DTC U0151:00	CAN communication: communication error to SAS control module
POSSIBLE CAUSE	<ul style="list-style-type: none"> • CAN communication line malfunction between PCM and SAS control module • SAS control module malfunction • PCM malfunction
SYSTEM WIRING DIAGRAM	Not applicable

DTC U0155:00	CAN communication: communication error to instrument cluster
DETECTION CONDITION	<ul style="list-style-type: none"> • Communication error between the instrument cluster continues for 5 s or more. 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. (Type A VIN) • The check engine light does not illuminate. (Type B VIN) • FREEZE FRAME DATA (Mode 2) is not available. (Type B VIN) • FREEZE FRAME DATA (Mode 2) is available. (Type A VIN) • Snapshot data is available. • DTC is stored in the PCM memory.
FAIL-SAFE FUNCTION	<ul style="list-style-type: none"> • Inhibits the i-stop control and flashes the i-stop warning light (amber) (engine stalls while engine is stopped by i-stop control).
POSSIBLE CAUSE	<ul style="list-style-type: none"> • CAN communication line malfunction between PCM and instrument cluster • Instrument cluster malfunction • PCM malfunction
SYSTEM WIRING DIAGRAM	Not applicable

DTC U0214:00	CAN communication: communication error to start stop unit
DETECTION CONDITION	<ul style="list-style-type: none"> • Communication error between the start stop unit continues for 5 s or more. 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	<ul style="list-style-type: none"> • Inhibits the i-stop control and flashes the i-stop warning light (amber) (engine stalls while engine is stopped by i-stop control).
POSSIBLE CAUSE	<ul style="list-style-type: none"> • CAN communication line malfunction between PCM and start stop unit • Start stop unit malfunction • PCM malfunction
SYSTEM WIRING DIAGRAM	Not applicable

DTC U0235:00	CAN communication: communication error to laser sensor
DETECTION CONDITION	<ul style="list-style-type: none"> • Communication error between the laser sensor continues for 5 s or more. 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	<ul style="list-style-type: none"> • The smart city brake support function is cancelled.
POSSIBLE CAUSE	<ul style="list-style-type: none"> • CAN communication line malfunction between PCM and laser sensor • Laser sensor malfunction • PCM malfunction
SYSTEM WIRING DIAGRAM	Not applicable

Diagnostic Procedure

- Inspect according to the diagnostic procedure in ON-BOARD DIAGNOSTIC [MULTIPLEX COMMUNICATION SYSTEM]. (See FOREWORD [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (L.H.D.)].) (See FOREWORD [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (R.H.D.)].)