11.Diagnostic Procedure with Diagnostic Trouble Code (DTC)

A: DTC U1201 CAN-HS COUNTER ABNORMAL

DTC DETECTING CONDITION:
Communication is unstable because of high speed CAN communication error.
TROUBLE SYMPTOM:
- Display of combination meter indicates faulty.
- Control faulty may occur due to CAN communication error.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to STEP 8?	Go to step **2**.	Perform the basic diagnostic procedure.<Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** 1) Start the engine. 2) Using the Subaru Select Monitor, read DTC of CAN system.	Is U0073 a current malfunction?	Perform the diagnosis of U0073.<Ref. to LAN(diag)-161, DTC U0073 CONTROL MODULE COMMUNICATION BUS OFF, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Go to step **3**.
3	**CHECK DTC.** Check the displayed DTC.	Is U1201 a current malfunction?	Go to step **4**.	It is possible that temporary poor communication occurs. Perform the clear memory.
4	**CHECK DTC.** 1) Turn the ignition switch to ON. 2) Using the Subaru Select Monitor, read DTC of CAN system.	Is U1201 a current malfunction?	Go to step **5**.	It is possible that temporary poor communication occurs. Perform the clear memory.
5	**CHECK CONTROL MODULE.** 1) Turn the ignition switch to OFF. 2) Disconnect the control modules other than body integrated unit in order. NOTE: When disconnecting ECM or VDC CM, connect resistance of 120 Ω between CAN Hi and CAN Lo as an alternative of end resistance. 3) Turn the ignition switch to ON. 4) Using the Subaru Select Monitor, read DTC of CAN system.	Is there any control module that U1201 is not detected as current malfunction?	Replace the control module.	Repeat 1) to 4) in step 5 until U1201 is not detected.

B: DTC U0073 CONTROL MODULE COMMUNICATION BUS OFF

DTC DETECTING CONDITION:
Integrated unit communication is shut down because of high speed CAN error.
TROUBLE SYMPTOM:
CAN communication is not normal.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to STEP 8?	Go to step **2**.	Perform the basic diagnostic procedure.<Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** 1) Start the engine. 2) Using the Subaru Select Monitor, read DTC of CAN system.	Is U0073 a current malfunction?	Go to step **3**.	It may be a temporary poor contact. Perform the clear memory.
3	**CHECK CAN COMMUNICATION CIRCUIT.** Check CAN communication circuit.<Ref. to LAN(diag)-40, PROCEDURE, CAN Communication Circuit Check.>	Is CAN communication circuit faulty?	Repair the faulty portion, following the diagnosis procedure.	Go to step **4**.
4	**CHECK DTC.** 1) Perform the inspection using the DTC check sheet.<Ref. to LAN(diag)-103, CHECK USING THE DTC CHECK SHEET, LIST, List of Diagnostic Trouble Code (DTC).> 2) Using the Subaru Select Monitor, read DTC of CAN system.	Is U0073 a current malfunction?	Go to step **5**.	System is normal.
5	**CHECK CONTROL MODULE.** 1) Turn the ignition switch to OFF. 2) Disconnect the control modules other than body integrated unit in order. NOTE: When disconnecting ECM or VDC CM, connect resistance of 120 Ω between CAN Hi and CAN Lo as an alternative of end resistance. 3) Turn the ignition switch to ON. 4) Using the Subaru Select Monitor, read DTC of CAN system.	Is there any control module that U0073 is not detected as current malfunction?	Replace the control module.	Repeat 1) to 4) in step 3 until U0073 is not detected.

C: DTC U0401 INVALID DATA RECEIVED FROM ECM/PCM "A"

DTC DETECTING CONDITION:
Defective data from ECM.
TROUBLE SYMPTOM:
Defective data on CAN communication occurs.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Are DTCs other than U*** displayed?	Perform the diagnosis according to DTC.	Go to step **3**.
3	**CHECK DTC.** Check the displayed DTC.	Is DTC for the bus off or the data no-receive displayed?	Perform the diagnosis according to DTC.	Go to step **4**.
4	**CHECK DTC.** Check the displayed DTC.	Is U0401 a current malfunction?	Go to step **5**.	Go to step **9**.
5	**CHECK DTC.** 1) Turn the ignition switch to OFF. 2) Disconnect the ECM connector. 3) Connect the disconnected connectors. 4) Read the DTC using Subaru Select Monitor.	Is U0401 a current malfunction?	Go to step **6**.	Go to step **9**.
6	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the engine data abnormal detected in several modules?	Replace the ECM. <Ref. to FU(H4DO)-91, Engine Control Module (ECM).>	Go to step **7**.
7	**REPLACE MODULE.** 1) Replace the ECM. 2) Read the DTC using Subaru Select Monitor.	Is U0401 a current malfunction?	Go to step **8**.	System is normal.
8	**CHECK MODULE.** 1) Reinstall the ECM. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0401 a current malfunction?	Replace the ECM. <Ref. to FU(H4DO)-91, Engine Control Module (ECM).>	System is normal.
9	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Using the Subaru Select Monitor, read DTC of CAN system.	Is U0401 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **10**.
10	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

D: DTC U0402 INVALID DATA RECEIVED FROM TCM

DTC DETECTING CONDITION:
Received error data from TCM.
TROUBLE SYMPTOM:
Sport indicator light blinks.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Are DTCs other than U*** displayed?	Perform the diagnosis according to DTC.	Go to step **3**.
3	**CHECK DTC.** Check the displayed DTC.	Is DTC for the bus off or the data no-receive displayed?	Perform the diagnosis according to DTC.	Go to step **4**.
4	**CHECK DTC.** Check the displayed DTC.	Is U0402 a current malfunction?	Go to step **5**.	Go to step **9**.
5	**CHECK DTC.** 1) Turn the ignition switch to OFF. 2) Disconnect the TCM connector. 3) Connect the disconnected connectors. 4) Read the DTC using Subaru Select Monitor.	Is U0402 a current malfunction?	Go to step **6**.	Go to step **9**.
6	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the transmission data abnormal detected in several modules?	Replace the TCM. <Ref. to CVT(TR580)-143, Transmission Control Module (TCM).> <Ref. to CVT(TR690)-125, Transmission Control Module (TCM).>	Go to step **7**.
7	**REPLACE MODULE.** 1) Replace the TCM. 2) Read the DTC using Subaru Select Monitor.	Is U0402 a current malfunction?	Go to step **8**.	System is normal.
8	**CHECK MODULE.** 1) Reinstall the TCM. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0402 a current malfunction?	Replace the TCM. <Ref. to CVT(TR580)-143, Transmission Control Module (TCM).> <Ref. to CVT(TR690)-125, Transmission Control Module (TCM).>	System is normal.
9	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Using the Subaru Select Monitor, read DTC of CAN system.	Is U0402 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **10**.
10	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

E: DTC U0416 INVALID DATA RECEIVED FROM VEHICLE DYNAMICS CONTROL MODULE

DTC DETECTING CONDITION:
Data from VDCCM is faulty.
TROUBLE SYMPTOM:
ABS warning light and VDC warning light illuminate.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Are DTCs other than U*** displayed?	Perform the diagnosis according to DTC.	Go to step **3**.
3	**CHECK DTC.** Check the displayed DTC.	Is DTC for the bus off or the data no-receive displayed?	Perform the diagnosis according to DTC.	Go to step **4**.
4	**CHECK DTC.** Check the displayed DTC.	Is U0416 a current malfunction?	Go to step **5**.	Go to step **9**.
5	**CHECK DTC.** 1) Turn the ignition switch to OFF. 2) Disconnect the VDC CM connector. 3) Connect the disconnected connectors. 4) Read the DTC using Subaru Select Monitor.	Is U0416 a current malfunction?	Go to step **6**.	Go to step **9**.
6	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the VDC data abnormal detected in several modules?	Replace the VDC CM. <Ref. to VDC-10, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>	Go to step **7**.
7	**REPLACE MODULE.** 1) Replace the VDC CM. 2) Read the DTC using Subaru Select Monitor.	Is U0416 a current malfunction?	Go to step **8**.	System is normal.
8	**CHECK MODULE.** 1) Reinstall the VDC CM. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0416 a current malfunction?	Replace the VDC CM. <Ref. to VDC-10, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>	System is normal.
9	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Using the Subaru Select Monitor, read DTC of CAN system.	Is U0416 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **10**.
10	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

F: DTC U0420 INVALID DATA RECEIVED FROM POWER STEERING CONTROL MODULE

DTC DETECTING CONDITION:
Defective data was transmitted from EPS CM.
TROUBLE SYMPTOM:
Cooperation control with EPS CM does not operate properly.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Are DTCs other than U*** displayed?	Perform the diagnosis according to DTC.	Go to step **3**.
3	**CHECK DTC.** Check the displayed DTC.	Is DTC for the bus off or the data no-receive displayed?	Perform the diagnosis according to DTC.	Go to step **4**.
4	**CHECK DTC.** Check the displayed DTC.	Is U0420 a current malfunction?	Go to step **5**.	Go to step **9**.
5	**CHECK DTC.** 1) Turn the ignition switch to OFF. 2) Disconnect the power steering CM connector. 3) Connect the disconnected connectors. 4) Read the DTC using Subaru Select Monitor.	Is U0420 a current malfunction?	Go to step **6**.	Go to step **9**.
6	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the electric power steering data abnormal detected in several modules?	Replace the power steering CM. <Ref. to PS-41, Power Steering Control Module.>	Go to step **7**.
7	**REPLACE MODULE.** 1) Replace the power steering CM. 2) Read the DTC using Subaru Select Monitor.	Is U0420 a current malfunction?	Go to step **8**.	System is normal.
8	**CHECK MODULE.** 1) Reinstall the power steering CM. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0420 a current malfunction?	Replace the power steering CM. <Ref. to PS-41, Power Steering Control Module.>	System is normal.
9	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Using the Subaru Select Monitor, read DTC of CAN system.	Is U0420 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **10**.
10	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

G: DTC U0422 INVALID DATA RECEIVED FROM BODY CONTROL MODULE

DTC DETECTING CONDITION:
Defective data was transmitted from body integrated unit.
TROUBLE SYMPTOM:
Cooperation control with body integrated unit does not operate properly.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Are DTCs other than U*** displayed?	Perform the diagnosis according to DTC.	Go to step **3**.
3	**CHECK DTC.** Check the displayed DTC.	Is DTC for the bus off or the data no-receive displayed?	Perform the diagnosis according to DTC.	Go to step **4**.
4	**CHECK DTC.** Check the displayed DTC.	Is U0422 a current malfunction?	Go to step **5**.	Go to step **9**.
5	**CHECK DTC.** 1) Turn the ignition switch to OFF. 2) Disconnect the body integrated unit connector. 3) Connect the disconnected connectors. 4) Read the DTC using Subaru Select Monitor.	Is U0422 a current malfunction?	Go to step **6**.	Go to step **9**.
6	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the body integrated data abnormal detected in several modules?	Replace the body integrated unit. <Ref. to SL-75, Body Integrated Unit.>	Go to step **7**.
7	**REPLACE MODULE.** 1) Replace the body integrated unit. 2) Read the DTC using Subaru Select Monitor.	Is U0422 a current malfunction?	Go to step **8**.	System is normal.
8	**CHECK MODULE.** 1) Reinstall the body integrated unit. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0422 a current malfunction?	Replace the body integrated unit. <Ref. to SL-75, Body Integrated Unit.>	System is normal.
9	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Using the Subaru Select Monitor, read DTC of CAN system.	Is U0422 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **10**.
10	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

H: DTC U0423 INVALID DATA RECEIVED FROM INSTRUMENT PANEL CLUSTER CONTROL MODULE

DTC DETECTING CONDITION:
Defective data was transmitted from combination meter.
TROUBLE SYMPTOM:
Display of combination meter does not operate properly.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Are DTCs other than U*** displayed?	Perform the diagnosis according to DTC.	Go to step **3**.
3	**CHECK DTC.** Check the displayed DTC.	Is DTC for the bus off or the data no-receive displayed?	Perform the diagnosis according to DTC.	Go to step **4**.
4	**CHECK DTC.** Check the displayed DTC.	Is U0423 a current malfunction?	Go to step **5**.	Go to step **9**.
5	**CHECK DTC.** 1) Turn the ignition switch to OFF. 2) Disconnect the combination meter connector. 3) Connect the disconnected connectors. 4) Read the DTC using Subaru Select Monitor.	Is U0423 a current malfunction?	Go to step **6**.	Go to step **9**.
6	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the meter data abnormal detected in several modules?	Replace the combination meter. <Ref. to IDI-18, Combination Meter.>	Go to step **7**.
7	**REPLACE MODULE.** 1) Replace the combination meter. 2) Read the DTC using Subaru Select Monitor.	Is U0423 a current malfunction?	Go to step **8**.	System is normal.
8	**CHECK MODULE.** 1) Replace the current combination meter with the original combination meter. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0423 a current malfunction?	Replace the combination meter. <Ref. to IDI-18, Combination Meter.>	System is normal.
9	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Using the Subaru Select Monitor, read DTC of CAN system.	Is U0423 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **10**.
10	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

I: DTC U0424 INVALID DATA RECEIVED FROM HVAC CONTROL MODULE

DTC DETECTING CONDITION:
Defective data was transmitted from A/C control panel.
TROUBLE SYMPTOM:
Cooperation control of air conditioner does not operate properly.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Are DTCs other than U*** displayed?	Perform the diagnosis according to DTC.	Go to step **3**.
3	**CHECK DTC.** Check the displayed DTC.	Is DTC for the bus off or the data no-receive displayed?	Perform the diagnosis according to DTC.	Go to step **4**.
4	**CHECK DTC.** Check the displayed DTC.	Is U0424 a current malfunction?	Go to step **5**.	Go to step **9**.
5	**CHECK DTC.** 1) Turn the ignition switch to OFF. 2) Disconnect the A/C control panel connector. 3) Connect the disconnected connectors. 4) Read the DTC using Subaru Select Monitor.	Is U0424 a current malfunction?	Go to step **6**.	Go to step **9**.
6	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the air conditioner data abnormal detected in several modules?	Replace the A/C control panel. <Ref. to AC-50, Control Panel.>	Go to step **7**.
7	**REPLACE MODULE.** 1) Replace the A/C control panel. 2) Read the DTC using Subaru Select Monitor.	Is U0424 a current malfunction?	Go to step **8**.	System is normal.
8	**CHECK MODULE.** 1) Restore the A/C control panel. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0424 a current malfunction?	Replace the A/C control panel. <Ref. to AC-50, Control Panel.>	System is normal.
9	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Read the DTC using Subaru Select Monitor.	Is U0424 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **10**.
10	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

J: DTC U0427 INVALID DATA RECEIVED FROM VEHICLE SECURITY CONTROL MODULE

DTC DETECTING CONDITION:
Defective data was transmitted from keyless access CM.
TROUBLE SYMPTOM:
Cooperation control of keyless access does not operate properly.

CAUTION:
When the keyless access CM is replaced, registration of the immobilizer is required. For the relevant procedures, refer to the "REGISTRATION MANUAL FOR IMMOBILIZER".

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to STEP 8?	Go to step **2**.	Perform the basic diagnostic procedure.<Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Are DTCs other than U*** displayed?	Perform the diagnosis according to DTC.	Go to step **3**.
3	**CHECK DTC.** Check the displayed DTC.	Is DTC for the bus off or the data no-receive displayed?	Perform the diagnosis according to DTC.	Go to step **4**.
4	**CHECK DTC.** Check the displayed DTC.	Is U0427 a current malfunction?	Go to step **5**.	Go to step **9**.
5	**CHECK DTC.** 1) Turn the ignition switch to OFF. 2) Disconnect the keyless access CM connector. 3) Connect the disconnected connectors. 4) Read the DTC using Subaru Select Monitor.	Is U0427 a current malfunction?	Go to step **6**.	Go to step **9**.
6	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the smart data abnormal detected in several modules?	Replace the keyless access CM.<Ref. to SL-94, Keyless Access CM.>	Go to step **7**.
7	**REPLACE MODULE.** 1) Replace the keyless access CM. **CAUTION:** **Do not register the keyless access CM.** 2) Read the DTC using Subaru Select Monitor.	Is U0427 a current malfunction?	Go to step **8**.	System is normal. NOTE: Register the keyless access CM.
8	**CHECK MODULE.** 1) Reinstall the keyless access CM. 2) Replace the body integrated unit.<Ref. to SL-75, Body Integrated Unit.> 3) Read the DTC using Subaru Select Monitor.	Is U0427 a current malfunction?	Replace the keyless access CM.<Ref. to SL-94, Keyless Access CM.>	System is normal.
9	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Read the DTC using Subaru Select Monitor.	Is U0427 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **10**.
10	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

K: DTC U0428 INVALID DATA RECEIVED FROM STEERING ANGLE SENSOR MODULE

DTC DETECTING CONDITION:
Defective data was transmitted from steering angle sensor.
TROUBLE SYMPTOM:
VDC CM does not operate normally.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Are DTCs other than U*** displayed?	Perform the diagnosis according to DTC.	Go to step **3**.
3	**CHECK DTC.** Check the displayed DTC.	Is DTC for the bus off or the data no-receive displayed?	Perform the diagnosis according to DTC.	Go to step **4**.
4	**CHECK DTC.** Check the displayed DTC.	Is U0428 a current malfunction?	Go to step **5**.	Go to step **9**.
5	**CHECK DTC.** 1) Turn the ignition switch to OFF. 2) Disconnect the steering angle sensor connector. 3) Connect the disconnected connectors. 4) Read the DTC using Subaru Select Monitor.	Is U0428 a current malfunction?	Go to step **6**.	Go to step **9**.
6	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the steering angle sensor data abnormal detected in several modules?	Replace the steering angle sensor. <Ref. to VDC-33, Steering Angle Sensor.>	Go to step **7**.
7	**REPLACE MODULE.** 1) Replace the steering angle sensor. 2) Read the DTC using Subaru Select Monitor.	Is U0428 a current malfunction?	Go to step **8**.	System is normal.
8	**CHECK MODULE.** 1) Reinstall the steering angle sensor. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0428 a current malfunction?	Replace the steering angle sensor. <Ref. to VDC-33, Steering Angle Sensor.>	System is normal.
9	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Using the Subaru Select Monitor, read DTC of CAN system.	Is U0428 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **10**.
10	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

L: DTC U0452 INVALID DATA RECEIVED FROM RESTRAINTS CONTROL MODULE

DTC DETECTING CONDITION:
Defective data was transmitted from A/B CM.
TROUBLE SYMPTOM:
Cooperation control with airbag does not operate properly.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Are DTCs other than U*** displayed?	Perform the diagnosis according to DTC.	Go to step **3**.
3	**CHECK DTC.** Check the displayed DTC.	Is DTC for the bus off or the data no-receive displayed?	Perform the diagnosis according to DTC.	Go to step **4**.
4	**CHECK DTC.** Check the displayed DTC.	Is U0452 a current malfunction?	Go to step **5**.	Go to step **9**.
5	**CHECK DTC.** 1) Turn the ignition switch to OFF. 2) Disconnect the A/B CM connector. 3) Connect the disconnected connectors. 4) Read the DTC using Subaru Select Monitor.	Is U0452 a current malfunction?	Go to step **6**.	Go to step **9**.
6	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the airbag data abnormal detected in several modules?	Replace the A/B CM. <Ref. to AB-78, Airbag Control Module.>	Go to step **7**.
7	**REPLACE MODULE.** 1) Replace the A/B CM. 2) Read the DTC using Subaru Select Monitor.	Is U0452 a current malfunction?	Go to step **8**.	System is normal.
8	**CHECK MODULE.** 1) Reinstall the A/B CM. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0452 a current malfunction?	Replace the A/B CM. <Ref. to AB-78, Airbag Control Module.>	System is normal.
9	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Using the Subaru Select Monitor, read DTC of CAN system.	Is U0452 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **10**.
10	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

M: DTC U0513 INVALID DATA RECEIVED FROM YAW RATE SENSOR MODULE

DTC DETECTING CONDITION:
Invalid data was transmitted from yaw rate & G sensor.
TROUBLE SYMPTOM:
VDC control does not operate normally.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Are DTCs other than U*** displayed?	Perform the diagnosis according to DTC.	Go to step **3**.
3	**CHECK DTC.** Check the displayed DTC.	Is DTC for the bus off or the data no-receive displayed?	Perform the diagnosis according to DTC.	Go to step **4**.
4	**CHECK DTC.** Check the displayed DTC.	Is U0513 a current malfunction?	Go to step **5**.	Go to step **9**.
5	**CHECK DTC.** 1) Turn the ignition switch to OFF. 2) Disconnect the yaw rate & G sensor connector. 3) Connect the disconnected connectors. 4) Read the DTC using Subaru Select Monitor.	Is U0513 a current malfunction?	Go to step **6**.	Go to step **9**.
6	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the yaw rate sensor invalid data detected in several modules?	Replace the yaw rate & G sensor.	Go to step **7**.
7	**REPLACE MODULE.** 1) Replace the yaw rate & G sensor. 2) Read the DTC using Subaru Select Monitor.	Is U0513 a current malfunction?	Go to step **8**.	System is normal.
8	**CHECK MODULE.** 1) Return the yaw rate & G sensor. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0513 a current malfunction?	Replace the yaw rate & G sensor.	System is normal.
9	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Using the Subaru Select Monitor, read DTC of CAN system.	Is U0513 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **10**.
10	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

N: DTC U1433 INVALID DATA RECEIVED FROM EyeSight

DTC DETECTING CONDITION:
Defective data was transmitted from stereo camera.
TROUBLE SYMPTOM:
Cooperation control of EyeSight does not operate properly.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Are DTCs other than U*** displayed?	Perform the diagnosis according to DTC.	Go to step **3**.
3	**CHECK DTC.** Check the displayed DTC.	Is DTC for the bus off or the data no-receive displayed?	Perform the diagnosis according to DTC.	Go to step **4**.
4	**CHECK DTC.** Check the displayed DTC.	Is U1433 a current malfunction?	Go to step **5**.	Go to step **9**.
5	**CHECK DTC.** 1) Turn the ignition switch to OFF. 2) Disconnect the stereo camera connector. 3) Connect the disconnected connectors. 4) Read the DTC using Subaru Select Monitor.	Is U1433 a current malfunction?	Go to step **6**.	Go to step **9**.
6	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the EyeSight data abnormal detected in several modules?	Replace the stereo camera. <Ref. to ES-11, Stereo Camera.>	Go to step **7**.
7	**REPLACE MODULE.** 1) Replace the stereo camera. 2) Read the DTC using Subaru Select Monitor.	Is U1433 a current malfunction?	Go to step **8**.	System is normal.
8	**CHECK MODULE.** 1) Reinstall the stereo camera. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U1433 a current malfunction?	Replace the stereo camera. <Ref. to ES-11, Stereo Camera.>	System is normal.
9	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Using the Subaru Select Monitor, read DTC of CAN system.	Is U1433 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **10**.
10	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

O: DTC U0100 LOST COMMUNICATION WITH ECM/PCM "A"

DTC DETECTING CONDITION:
Not received data from ECM.
TROUBLE SYMPTOM:
Cooperation control of transmission may not operate properly.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Is U0100 a current malfunction?	Go to step **3**.	Go to step **6**.
3	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the engine data no-receive detected in several modules?	Replace the ECM. <Ref. to FU(H4DO)-91, Engine Control Module (ECM).>	Go to step **4**.
4	**REPLACE MODULE.** 1) Replace the ECM. 2) Read the DTC using Subaru Select Monitor.	Is U0100 a current malfunction?	Go to step **5**.	System is normal.
5	**CHECK MODULE.** 1) Reinstall the ECM. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0100 a current malfunction?	Replace the ECM. <Ref. to FU(H4DO)-91, Engine Control Module (ECM).>	System is normal.
6	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Read the DTC using Subaru Select Monitor.	Is U0100 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **7**.
7	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

P: DTC U0101 LOST COMMUNICATION WITH TCM

DTC DETECTING CONDITION:
Not received data from TCM.
TROUBLE SYMPTOM:
Cooperation control with transmission is not performed.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Is U0101 a current malfunction?	Go to step **3**.	Go to step **6**.
3	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the transmission data no-receive detected in several modules?	Replace the TCM. <Ref. to CVT(TR580)-143, Transmission Control Module (TCM).> <Ref. to CVT(TR690)-125, Transmission Control Module (TCM).>	Go to step **4**.
4	**REPLACE MODULE.** 1) Replace the TCM. 2) Read the DTC using Subaru Select Monitor.	Is U0101 a current malfunction?	Go to step **5**.	System is normal.
5	**CHECK MODULE.** 1) Reinstall the TCM. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0101 a current malfunction?	Replace the TCM. <Ref. to CVT(TR580)-143, Transmission Control Module (TCM).> <Ref. to CVT(TR690)-125, Transmission Control Module (TCM).>	System is normal.
6	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Read the DTC using Subaru Select Monitor.	Is U0101 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **7**.
7	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

Q: DTC U0122 LOST COMMUNICATION WITH VEHICLE DYNAMICS CONTROL MODULE

DTC DETECTING CONDITION:
No data from VDCCM is received.
TROUBLE SYMPTOM:
ABS warning light and VDC warning light illuminate.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Is U0122 a current malfunction?	Go to step **3**.	Go to step **6**.
3	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the VDC data no-receive detected in several modules?	Replace the VDC CM. <Ref. to VDC-10, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>	Go to step **4**.
4	**REPLACE MODULE.** 1) Replace the VDC CM. 2) Read the DTC using Subaru Select Monitor.	Is U0122 a current malfunction?	Go to step **5**.	System is normal.
5	**CHECK MODULE.** 1) Reinstall the VDC CM. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0122 a current malfunction?	Replace the VDC CM. <Ref. to VDC-10, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>	System is normal.
6	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Read the DTC using Subaru Select Monitor.	Is U0122 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **7**.
7	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

R: DTC U0123 LOST COMMUNICATION WITH YAW RATE SENSOR MODULE

DTC DETECTING CONDITION:
No data from the yaw rate & G sensor is received.
TROUBLE SYMPTOM:
ABS warning light and VDC warning light illuminate.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Is U0123 a current malfunction?	Go to step **3**.	Go to step **6**.
3	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the yaw rate sensor data no-receive detected in several modules?	Replace the yaw rate & G sensor.	Go to step **4**.
4	**REPLACE MODULE.** 1) Replace the yaw rate & G sensor. 2) Read the DTC using Subaru Select Monitor.	Is U0123 a current malfunction?	Go to step **5**.	System is normal.
5	**CHECK MODULE.** 1) Return the yaw rate & G sensor. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0123 a current malfunction?	Replace the yaw rate & G sensor.	System is normal.
6	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Read the DTC using Subaru Select Monitor.	Is U0123 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **7**.
7	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

S: DTC U0126 LOST COMMUNICATION WITH STEERING ANGLE SENSOR MODULE

DTC DETECTING CONDITION:
No data is received from steering angle sensor.
TROUBLE SYMPTOM:
VDC CM does not operate normally.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Is U0126 a current malfunction?	Go to step **3**.	Go to step **6**.
3	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the steering angle sensor data no-receive detected in several modules?	Replace the steering angle sensor. <Ref. to VDC-33, Steering Angle Sensor.>	Go to step **4**.
4	**REPLACE MODULE.** 1) Replace the steering angle sensor. 2) Read the DTC using Subaru Select Monitor.	Is U0126 a current malfunction?	Go to step **5**.	System is normal.
5	**CHECK MODULE.** 1) Reinstall the steering angle sensor. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0126 a current malfunction?	Replace the steering angle sensor. <Ref. to VDC-33, Steering Angle Sensor.>	System is normal.
6	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Read the DTC using Subaru Select Monitor.	Is U0126 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **7**.
7	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

T: DTC U0131 LOST COMMUNICATION WITH POWER STEERING CONTROL MODULE

DTC DETECTING CONDITION:
No data is received from power steering CM.
TROUBLE SYMPTOM:
Cooperation control with power steering CM does not operate properly.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Is U0131 a current malfunction?	Go to step **3**.	Go to step **6**.
3	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the electric power steering data no-receive detected in several modules?	Replace the power steering CM. <Ref. to PS-41, Power Steering Control Module.>	Go to step **4**.
4	**REPLACE MODULE.** 1) Replace the power steering CM. 2) Read the DTC using Subaru Select Monitor.	Is U0131 a current malfunction?	Go to step **5**.	System is normal.
5	**CHECK MODULE.** 1) Reinstall the power steering CM. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0131 a current malfunction?	Replace the power steering CM. <Ref. to PS-41, Power Steering Control Module.>	System is normal.
6	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Read the DTC using Subaru Select Monitor.	Is U0131 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **7**.
7	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

U: DTC U0140 LOST COMMUNICATION WITH BODY CONTROL MODULE

DTC DETECTING CONDITION:
No data is received from body integrated unit.
TROUBLE SYMPTOM:
Cooperation control with body integrated unit does not operate properly.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Is U0140 a current malfunction?	Go to step **3**.	Go to step **6**.
3	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the body integrated data no-receive detected in several modules?	Replace the body integrated unit. <Ref. to SL-75, Body Integrated Unit.>	Go to step **4**.
4	**REPLACE MODULE.** 1) Replace the body integrated unit. 2) Read the DTC using Subaru Select Monitor.	Is U0140 a current malfunction?	Go to step **5**.	System is normal.
5	**CHECK MODULE.** 1) Reinstall the body integrated unit. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0140 a current malfunction?	Replace the body integrated unit. <Ref. to SL-75, Body Integrated Unit.>	System is normal.
6	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Read the DTC using Subaru Select Monitor.	Is U0140 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **7**.
7	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

V: DTC U0151 LOST COMMUNICATION WITH RESTRAINTS CONTROL MODULE

DTC DETECTING CONDITION:
No data is received from A/B CM.
TROUBLE SYMPTOM:
Cooperation control with A/B CM does not operate properly.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Is U0151 a current malfunction?	Go to step **3**.	Go to step **6**.
3	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the airbag data no-receive detected in several modules?	Replace the A/B CM. <Ref. to AB-78, Airbag Control Module.>	Go to step **4**.
4	**REPLACE MODULE.** 1) Replace the A/B CM. 2) Read the DTC using Subaru Select Monitor.	Is U0151 a current malfunction?	Go to step **5**.	System is normal.
5	**CHECK MODULE.** 1) Reinstall the A/B CM. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0151 a current malfunction?	Replace the A/B CM. <Ref. to AB-78, Airbag Control Module.>	System is normal.
6	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Read the DTC using Subaru Select Monitor.	Is U0151 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **7**.
7	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

W: DTC U0155 LOST COMMUNICATION WITH INSTRUMENT PANEL CLUSTER (IPC) CONTROL MODULE

DTC DETECTING CONDITION:
No data received from combination meter.
TROUBLE SYMPTOM:
Display of combination meter does not operate properly.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Is U0155 a current malfunction?	Go to step **3**.	Go to step **6**.
3	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the meter data no-receive detected in several modules?	Replace the meter. <Ref. to IDI-18, Combination Meter.>	Go to step **4**.
4	**REPLACE MODULE.** 1) Replace the combination meter. 2) Read the DTC using Subaru Select Monitor.	Is U0155 a current malfunction?	Go to step **5**.	System is normal.
5	**CHECK MODULE.** 1) Replace the current combination meter with the original combination meter. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0155 a current malfunction?	Replace the combination meter. <Ref. to IDI-18, Combination Meter.>	System is normal.
6	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Read the DTC using Subaru Select Monitor.	Is U0155 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **7**.
7	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

X: DTC U0164 LOST COMMUNICATION WITH HVAC CONTROL MODULE

DTC DETECTING CONDITION:
No data is received from A/C control panel.
TROUBLE SYMPTOM:
Cooperation control of air conditioner does not operate properly.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Is U0164 a current malfunction?	Go to step **3**.	Go to step **6**.
3	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the air conditioner data no-receive detected in several modules?	Replace the A/C control panel. <Ref. to AC-50, Control Panel.>	Go to step **4**.
4	**REPLACE MODULE.** 1) Replace the A/C control panel. 2) Read the DTC using Subaru Select Monitor.	Is U0164 a current malfunction?	Go to step **5**.	System is normal.
5	**CHECK MODULE.** 1) Restore the A/C control panel. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0164 a current malfunction?	Replace the A/C control panel. <Ref. to AC-50, Control Panel.>	System is normal.
6	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Read the DTC using Subaru Select Monitor.	Is U0164 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **7**.
7	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

Y: DTC U0327 SOFTWARE INCOMPATIBILITY WITH VEHICLE SECURITY CONTROL MODULE

DTC DETECTING CONDITION:
No data is received from keyless access CM.
TROUBLE SYMPTOM:
Cooperation control of keyless access does not operate properly.

CAUTION:
When the keyless access CM is replaced, registration of the immobilizer is required. For the relevant procedures, refer to the "REGISTRATION MANUAL FOR IMMOBILIZER".

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to STEP 8?	Go to step **2**.	Perform the basic diagnostic procedure.<Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Is U0327 a current malfunction?	Go to step **3**.	Go to step **6**.
3	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the smart data no-receive detected in several modules?	Replace the keyless access CM.<Ref. to SL-94, Keyless Access CM.>	Go to step **4**.
4	**REPLACE MODULE.** 1) Replace the keyless access CM. **CAUTION:** **Do not register the keyless access CM.** 2) Read the DTC using Subaru Select Monitor.	Is U0327 a current malfunction?	Go to step **5**.	System is normal. NOTE: Register the keyless access CM.
5	**CHECK MODULE.** 1) Reinstall the keyless access CM. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U0327 a current malfunction?	Replace the keyless access CM.<Ref. to SL-94, Keyless Access CM.>	System is normal.
6	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Read the DTC using Subaru Select Monitor.	Is U0327 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **7**.
7	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

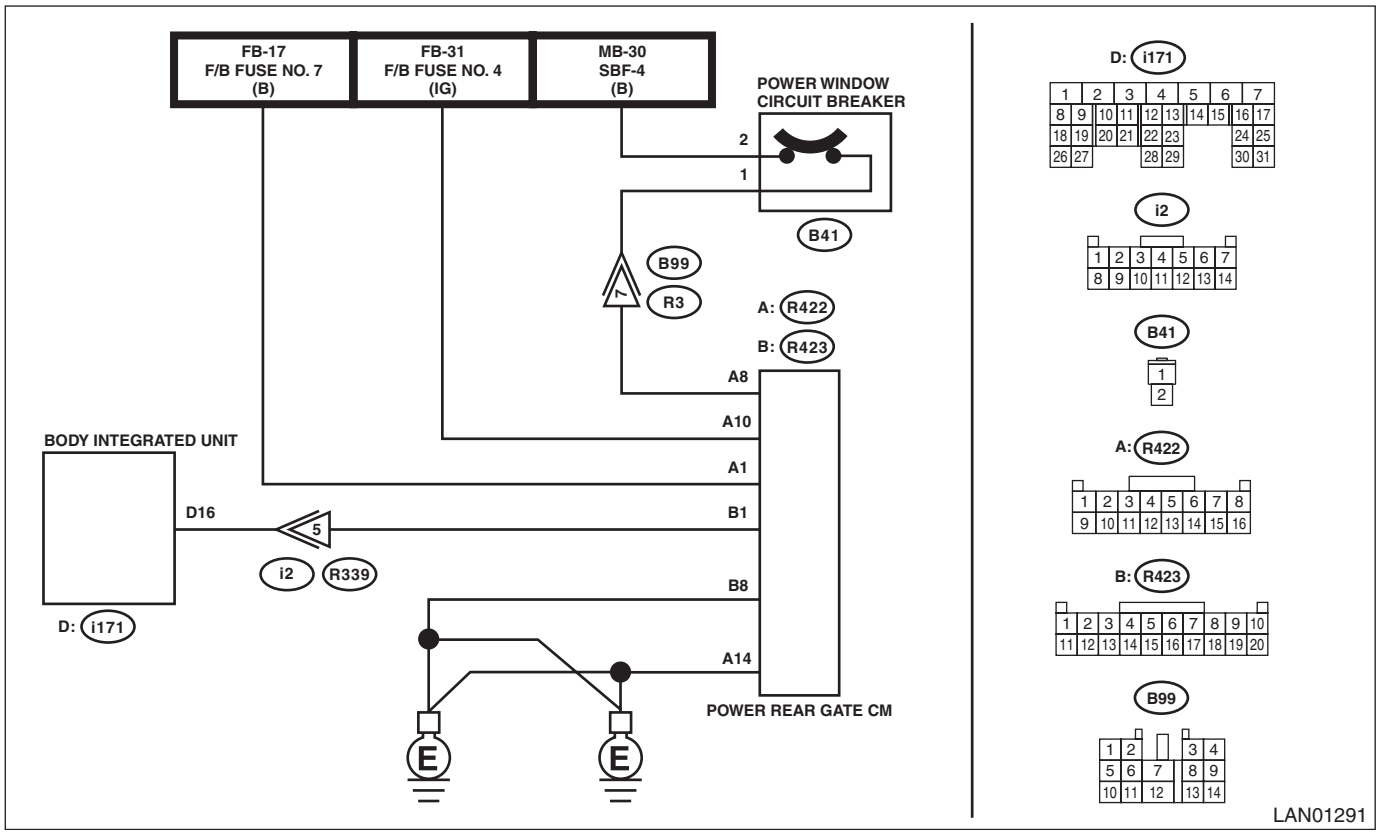
Z: DTC U1235 LOST COMMUNICATION WITH EyeSight

DTC DETECTING CONDITION:
No data from stereo camera is received.
TROUBLE SYMPTOM:
Cooperation control of EyeSight does not operate properly.

	Step	Check	Yes	No
1	**CHECK PERFORMING OF BASIC DIAGNOSTIC PROCEDURE.**	Was the basic diagnostic procedure performed up to step 8?	Go to step **2**.	Perform the basic diagnostic procedure. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
2	**CHECK DTC.** Check the displayed DTC.	Is U1235 a current malfunction?	Go to step **3**.	Go to step **6**.
3	**CHECK DTC.** Using the Subaru Select Monitor, read DTC of all the systems.	Is the EyeSight data no-receive detected in several modules?	Replace the stereo camera. <Ref. to ES-11, Stereo Camera.>	Go to step **4**.
4	**REPLACE MODULE.** 1) Replace the stereo camera. 2) Read the DTC using Subaru Select Monitor.	Is U1235 a current malfunction?	Go to step **5**.	System is normal.
5	**CHECK MODULE.** 1) Reinstall the stereo camera. 2) Replace the module that the DTC has been detected. 3) Read the DTC using Subaru Select Monitor.	Is U1235 a current malfunction?	Replace the stereo camera. <Ref. to ES-11, Stereo Camera.>	System is normal.
6	**CHECK HARNESS.** 1) Shake the harness, and check for poor contact. 2) Read the DTC using Subaru Select Monitor.	Is U1235 a current malfunction?	Repair the poor contact of harness, or replace the harness.	Go to step **7**.
7	**CHECK CONNECTOR.** Check the connector used for high speed CAN for poor contact.	Is there poor contact of connector?	Repair the connector that has poor contact, or replace harness.	It is possible that temporary poor communication occurs. Delete the DTC.

AA:DTC U1602 LOST COMMUNICATION WITH POWER REAR GATE CONTROL MODULE

DTC DETECTING CONDITION:
No data is received from the power rear gate CM.
TROUBLE SYMPTOM:
The power rear gate does not operate normally.
WIRING DIAGRAM:
Power rear gate system <Ref. to WI-308, WIRING DIAGRAM, Power Rear Gate System.>



Step		Check	Yes	No
1	**CHECK DTC.** Read the DTC of body integrated unit using Subaru Select Monitor.	Is U1602 a current malfunction?	Go to step **2**.	It is possible that temporary poor contact occurs. Perform the clear memory.
2	**CHECK DTC.** 1) Turn the ignition switch to OFF. 2) Disconnect the power rear gate CM and body integrated unit connectors. 3) Connect the disconnected connectors. 4) Using the Subaru Select Monitor, read DTC of CAN system.	Is U1602 a current malfunction?	Go to step **3**.	It is possible that temporary poor contact occurs. Perform the clear memory.
3	**CHECK HARNESS.** 1) Turn the ignition switch to OFF. 2) Disconnect the power rear gate CM and body integrated unit connectors. 3) Using the tester, measure the resistance between terminals. ***Connector & terminal*** ***(i171) No. 16 — (R423) No. 1:*** ***(R422) No. 14 — Chassis ground:*** ***(R423) No. 8 — Chassis ground:***	Is the resistance less than 10 Ω?	Go to step **4**.	Repair the open circuit of harness.

	Step	Check	Yes	No
4	**CHECK HARNESS.** Using the tester, measure the resistance between terminals. ***Connector & terminal*** ***(R423) No. 1 — Chassis ground:***	Is the resistance 10 kΩ or more?	Go to step **5**.	Repair the shorted portion of harness.
5	**CHECK HARNESS.** 1) Turn the ignition switch to ON. 2) Using the tester, measure the voltage between terminals. ***Connector & terminal*** ***(R423) No. 1 (+) — Chassis ground (–):***	Is the voltage less than 1 V?	Go to step **6**.	Repair the shorted portion of harness.
6	**CHECK HARNESS.** Using the tester, measure the voltage between terminals. ***Connector & terminal*** ***(R422) No. 1 (+) — Chassis ground (–):*** ***(R422) No. 10 (+) — Chassis ground (–):*** ***(R422) No. 8 (+) — Chassis ground (–):***	Is the voltage 9 V or more when the IG switch is ON?	Go to step **7**.	Repair the open circuit of harness.
7	**CHECK POWER REAR GATE SYSTEM.** Perform the inspection of the power rear gate system. <Ref. to PRG(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>	Is there any fault?	Perform the inspection according to the inspection of the power rear gate system.	Go to step **8**.
8	**CHECK CONTROL MODULE.** 1) Turn the ignition switch to OFF. 2) Replace the power rear gate CM with a properly functioning part. 3) Using the Subaru Select Monitor, read DTC of CAN system.	Is U1602 a current malfunction?	Perform the basic diagnostic procedure of the body control system <Ref. to BC(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>, and if there is no problem, replace the body integrated unit. <Ref. to SL-75, REMOVAL, Body Integrated Unit.>	System is normal.