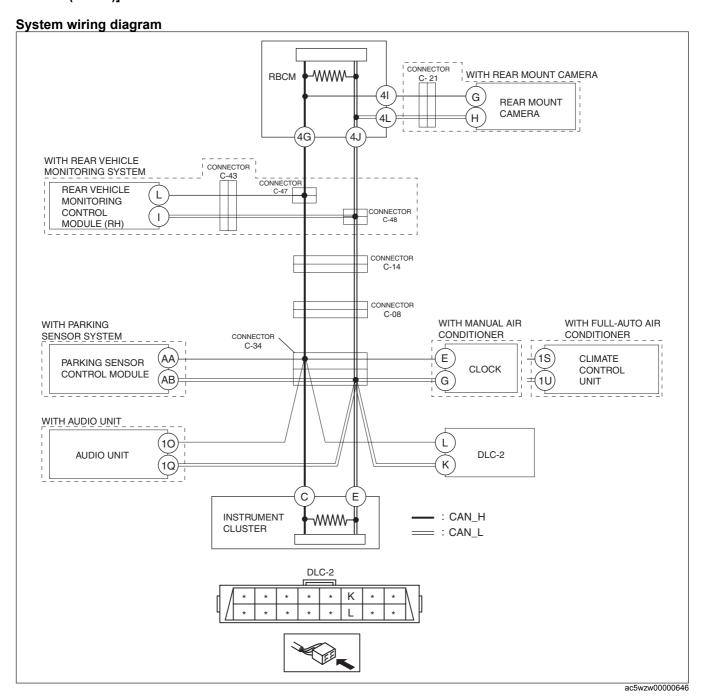
Caution

 Perform the following malfunction diagnosis only when it is diagnosed with a short to ground by CONTROLLER AREA NETWORK (CAN) MALFUNCTION DIAGNOSIS FLOW [SKYACTIV-D 2.2 (L.H.D.)].



Determination procedure

Caution

- When disconnecting the connector, verify that there is no looseness, damage, deformation, corrosion, or poor connection of the connector terminals.
- When inspecting the DLC-2, touch it with a paper clip or similar thin pin without directly inserting a tester into the terminals.

INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND DLC-2 terminal L and body ground	Step	Inspection		Action
BETWEEN CONNECTOR C-08 AND INSTRUMENT CLUSTER * Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION ISKYACTIV-D 2.2].) * Disconnector C-08. * Inspect for continuity at the following terminals: — Between DLC-2 terminal L and body ground — Between DLC-2 terminal K and body ground — Between DLC-2 terminal K and body ground — Between DLC-2 terminal L and body ground — Between DLC-2 terminal L and body ground — Between DLC-2 terminal L and body ground — Between DLC-2 terminal K and body ground — Between Continuity? 3 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE * Inspect for continuity at the following terminals: — Between parking sensor control module terminal AA and body ground * Is there continuity at the following terminals: — Between parking sensor control module connector. * Inspect for continuity at the following terminals: — Between parking sensor control module terminal AA (wiring harness side) and body ground * Is there continuity? * Per Sepair or replace the wiring harness between the park sensor control module and connector C-34 because the wiring harness is shorted to ground * Is there continuity at the following terminals: — Between parking sensor control module terminal AA (wiring harness side) and body ground * Is there continuity? * Per Sepair or replace the wiring harness between the park sensor control module and connector C-34 because the wiring harness is shorted to ground * Is the continuity at the following terminals: — Between parking sensor control module terminal AB (wiring harness side) and body ground * Is the continuity at the following terminals: — Between parking sensor control module terminal AB (wiring harness side) and body ground * Is the continuity? * Per Sepair For Short To GROUND BETWEEN CONNECTOR		·	Yes	
Disconnect the negative battery cable: (See NEGATIVE BATTERY CABLE: DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) Disconnect connector C-08. Inspect for continuity at the following terminals: Between DLC-2 terminal L and body ground				
(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) Disconnect connector C-08. Inspect for continuity at the following terminals: Between DLC-2 terminal L and body ground Is there continuity? Nose of Constructive and DLC-2 terminal K and body ground Is there continuity at the following terminals: Between DLC-2 terminal L and body ground Between DLC-2 terminal L and body ground Between DLC-2 terminal K and body ground Between DLC-2 terminal K and body ground Is there continuity? Nose of Constructive and DLC-2 terminal K and body ground Is there continuity? Nose of Constructive and DLC-2 terminal K and body ground Between parking sensor control module terminal A and body ground Between parking sensor control module terminal AB and body ground Is there continuity? Nose of Constructive and DLC-2 terminal K and body ground Between parking sensor control module terminal AB and body ground Is there continuity? Nose of the next step. Go to Step 5. Repair or replace the wiring harness between the parking sensor control module terminal AB and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? Inspect for SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: Between continuity at the following terminals:		INSTRUMENT CLUSTER		·
DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) Disconnect connector C-08. Inspect for continuity at the following terminals: Between DLC-2 terminal K and body ground INSPECT FOR SHORT TO GROUND BETWEEN CONNECTORS C-34 AND DLC-2 Disconnect connector C-34. Inspect for continuity at the following terminals: Between DLC-2 terminal L and body ground Between DLC-2 terminal K and body ground Is there continuity? 3 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE Inspect for continuity at the following terminals: Between parking sensor control module terminal AB and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminals: Between park		Disconnect the negative battery cable.		
SKYACTIV-D 2.2) Disconnect connector C-08. Inspect for continuity at the following terminals: Between DLC-2 terminal L and body ground		(See NEGATIVE BATTERY CABLE		
Disconnect connector C-08. Inspect for continuity at the following terminals: Between DLC-2 terminal K and body ground Is there continuity?		DISCONNECTION/CONNECTION		
Inspect for continuity at the following terminals: Between DLC-2 terminal L and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTORS C-34 AND DLC-2 Disconnect control module terminal A and body ground Is there continuity at the following terminals: Between DLC-2 terminal K and body ground Is there continuity at the following terminals: Between DLC-2 terminal K and body ground Inspect for continuity at the following terminals: Between parking sensor control module terminal AA and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONTROL MODULE Inspect for continuity at the following terminals: Between parking sensor control module terminal AB and body ground Is there continuity? INSPECT CONTROL WIND BETWEEN CONTROL MODULE Inspect for continuity at the following terminals: Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL WINTUR CLOCK Inspect for continuity at the following terminals: Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: Between parking sensor control module terminal AB (wiring harness side) and body ground (with the full-auto air and the following terminals: Between parking sensor control module terminal AB (wiring harness side) and body ground (with the full-auto air and the full-auto air a		[SKYACTIV-D 2.2].)		
- Between DLC-2 terminal L and body ground - Between DLC-2 terminal K and body ground - Is there continuity? 2 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTORS C-34 AND DLC-2 - Disconnect connector C-34 Inspect for continuity at the following terminals: - Between DLC-2 terminal L and body ground - Between DLC-2 terminal K and body ground - Is there continuity? 3 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE - Inspect for continuity at the following terminals: - Between parking sensor control module terminal AB and body ground - Is there continuity? 4 INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND - Disconnect the parking sensor control module connector Inspect for continuity at the following terminals: - Between parking sensor control module terminal AB (wiring harness side) and body ground - Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND - Disconnect the parking sensor control module terminal AB (wiring harness is shorted to ground. No - Repair or replace the wiring harness between the park sensor control module terminal AB and body ground - Is there continuity at the following terminals: - Between parking sensor control module terminal AB (wiring harness side) and body ground - Is there continuity? 1 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE - CONTROL UNIT OR CLOCK - Inspect for continuity at the following terminals: - Between climate the parking sensor control module terminal AB (wiring harness side) and body ground - Is there continuity? 2 Go to the next step. 3 Go to the next step. 3 Go to the next step. 4 Repair or replace the wiring harness between the parking sensor control module terminals: - Between parking sensor control module terminals: - Between parking sensor control module terminals: - Between climate the parking sensor control module terminals: - Between climate the parking sensor control module te		Disconnect connector C-08.		
ground Between DLC-2 terminal K and body ground - Is there continuity? 2 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTORS C-34 AND DLC-2 - Disconnect connector C-34 Inspect for continuity at the following terminals: - Between DLC-2 terminal K and body ground - Between parking sensor control module terminal AA and body ground - Between parking sensor control module terminal AB and body ground - Is there continuity? 4 INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND - Disconnect the parking sensor control module connector Inspect for continuity at the following terminals: - Between parking sensor control module terminal AA (wiring harness side) and body ground - Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND - Inspect for continuity at the following terminals: - Between parking sensor control module terminal AA (wiring harness side) and body ground - Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE - Inspect for continuity at the following terminals: - Between parking sensor control module terminal AB (wiring harness side) and body ground - Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK - Inspect for continuity at the following terminals: - Between parking sensor control module terminal at the following terminals: - Between parking sensor control module terminals and body ground (with full-auto air and the parking sensor control module terminal and terminal at and body ground (with full-auto air and body g		• Inspect for continuity at the following terminals:		
- Between DLC-2 terminal K and body ground - Is there continuity? 2 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTORS C-34 AND DLC-2 - Disconnect connector C-34 Inspect for continuity at the following terminals: - Between DLC-2 terminal L and body ground - Between DLC-2 terminal K and body ground - Is there continuity? 3 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE - Inspect for continuity at the following terminals: - Between parking sensor control module terminal AB and body ground - Is there continuity? 4 INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND - Disconnect the parking sensor control module connector Inspect for continuity at the following terminals: - Between parking sensor control module terminal AA (wiring harness side) and body ground - Between parking sensor control module terminal AA (wiring harness side) and body ground - Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL IMIT OR CLOCK - Inspect for continuity at the following terminals: - Between parking sensor control module terminal AB (wiring harness side) and body ground - Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL IMIT OR CLOCK - Inspect for continuity at the following terminals: - Between control rod GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL Unit or CLOCK - Inspect for continuity at the following terminals: - Between climate control unit terminal 1S and body ground (with full-auto air		 Between DLC-2 terminal L and body 		
- Is there continuity? 2 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTORS C-34 AND DLC-2 - Disconnect connector C-34 Inspect for continuity at the following terminals: - Between DLC-2 terminal L and body ground - Between DLC-2 terminal K and body ground - Is there continuity? 3 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE - Inspect for continuity at the following terminals: - Between parking sensor control module terminal AB and body ground - Is there continuity? 4 INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND - Disconnect the parking sensor control module connector Inspect for continuity at the following terminals: - Between parking sensor control module terminal AB (wiring harness side) and body ground - Between parking sensor control module terminal AB (wiring harness side) and body ground - Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL MODILE TO GROUND - Inspect for continuity at the following terminals: - Between parking sensor control module terminal AB (wiring harness side) and body ground - Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL LINIT OR CLOCK - Inspect for continuity at the following terminals: - Between control unit terminal 1S and body ground (with full-auto air)		ground		
Is there continuity?		 Between DLC-2 terminal K and body 		
NSPECT FOR SHORT TO GROUND BETWEEN CONNECTORS C-34 AND DLC-2		ground		
BETWEEN CONNECTORS C-34 AND DLC-2 Disconnect connector C-34. Inspect for continuity at the following terminals: Between DLC-2 terminal L and body ground Between DLC-2 terminal K and body ground Is there continuity? BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE Inspect for continuity at the following terminals: Between parking sensor control module terminal AA and body ground Between parking sensor control module terminal AB and body ground Bithere continuity? INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND Disconnect the parking sensor control module connector. Inspect for continuity at the following terminals: Between parking sensor control module terminal AA (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminals: Between continuity? Between parking sensor control module terminals: Between parking sensor con		Is there continuity?		
Disconnect connector C-34. Inspect for continuity at the following terminals: Between DLC-2 terminal K and body ground Between DLC-2 terminal K and body ground Is there continuity? 3 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE Inspect for continuity at the following terminals: Between parking sensor control module terminal AA and body ground Is there continuity? 4 INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND Disconnect the parking sensor control module connector. Inspect for continuity at the following terminals: Between parking sensor control module terminal AA (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Inspect for continuity at the following terminals: Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? 5 INSPECT FOR SHORT TO GROUND Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? 5 INSPECT FOR SHORT TO GROUND Between continuity at the following terminals: Between continuity at the following termin	2		Yes	Repair or replace the wiring harness between connector
Inspect for continuity at the following terminals: Between DLC-2 terminal L and body ground Between DLC-2 terminal K and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONTROL MODULE Inspect for continuity at the following terminals: Between parking sensor control module terminal AA and body ground Is there continuity? INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND Disconnect the parking sensor control module connector. Inspect for continuity at the following terminals: Between parking sensor control module terminal AA (wring harness side) and body ground Between parking sensor control module terminal AB (wring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity? Yes Go to the next step. Roo Go to Step 5. Repair or replace the wiring harness between the park sensor control module and connector C-34 because the wiring harness is shorted to ground. No Replace the parking sensor control module terminal AB (wring harness side) and body ground See PARKING SENSOR CONTROL MODULE REMOVAL/INSTALLATION.) Yes Go to the next step. Roo to Step 5. Repair or replace the wiring harness between the park sensor control module and connector C-34 because the wiring harness is shorted to ground. No Replace the parking sensor control module terminal AB (wring harness side) and body ground Is there continuity? Yes Go to the next step. Roo Ot Step 5.		BETWEEN CONNECTORS C-34 AND DLC-2		C-34 and DLC-2 because the wiring harness is shorted to
- Between DLC-2 terminal L and body ground - Between DLC-2 terminal K and body ground - Is there continuity? 3 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE - Inspect for continuity at the following terminals: - Between parking sensor control module terminal AA and body ground - Between parking sensor control module terminal AB and body ground - Is there continuity? 4 INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND - Disconnect the parking sensor control module connector Inspect for continuity at the following terminals: - Between parking sensor control module terminal AA (wiring harness side) and body ground - Between parking sensor control module terminal AB (wiring harness side) and body ground - Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK - Inspect for continuity at the following terminals: - Between climate Control unit terminal 1S and body ground (with full-auto air				
ground Between DLC-2 terminal K and body ground INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE Inspect for continuity at the following terminals: Between parking sensor control module terminal AA and body ground Between parking sensor control module terminal AB and body ground INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND Disconnect the parking sensor control module connector. Inspect for continuity at the following terminals: Between parking sensor control module terminal AA (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: Between climate control unit terminal 1S and body ground (with full-auto air			No	Go to the next step.
- Between DLC-2 terminal K and body ground * Is there continuity? 3 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE * Inspect for continuity at the following terminals: - Between parking sensor control module terminal AB and body ground - Is there continuity? 4 INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND • Disconnect the parking sensor control module connector. • Inspect for continuity at the following terminals: - Between parking sensor control module terminal AA (wiring harness side) and body ground - Between parking sensor control module terminal AB (wiring harness side) and body ground • Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK • Inspect for continuity at the following terminals: - Between parking sensor control module terminal AB (wiring harness side) and body ground • Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK • Inspect for continuity at the following terminals: - Between parking sensor control module terminal AB (wiring harness is shorted to ground. Yes Go to the next step. Repair or replace the wiring harness between the park sensor control module as short to ground in the parking sensor control module (See PARKING SENSOR CONTROL MODULE REMOVAL/INSTALLATION.) FREMOVAL/INSTALLATION.) FREMOVAL/INSTALLATION.) FREMOVAL/INSTALLATION.) FREMOVAL/INSTALLATION.) FREMOVAL/INSTALLATION.) FREMOVAL/INSTALLATION. FREMOVAL/INSTALLATION. FREMOVAL/INSTALLATION.)		 Between DLC-2 terminal L and body 		
ground • Is there continuity? 3 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE • Inspect for continuity at the following terminals: — Between parking sensor control module terminal AA and body ground — Between parking sensor control module terminal AB and body ground • Is there continuity? 4 INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND • Disconnect the parking sensor control module connector. • Inspect for continuity at the following terminals: — Between parking sensor control module terminal AA (wiring harness side) and body ground — Between parking sensor control module terminal AB (wiring harness side) and body ground • Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK • Inspect for continuity at the following terminals: — Between parking sensor control module terminal AB (wiring harness side) and body ground • Is there continuity at the following terminals: — Between parking sensor control module terminal AB (wiring harness side) and body ground • Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK • Inspect for continuity at the following terminals: — Between parking sensor control module terminal 1S and body ground (with full-auto air				
INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE Inspect for continuity at the following terminals: Between parking sensor control module terminal AA and body ground Between parking sensor control module terminal AB and body ground Is there continuity? INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND Disconnect the parking sensor control module connector. Inspect for continuity at the following terminals: Between parking sensor control module terminal AA (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? So to the next step. Repair or replace the wiring harness between the park sensor control module and connector C-34 because the wiring harness is shorted to ground. No Replace the parking sensor control module terminal AB (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? So to the next step. Go to the next step. Go to the next step. Go to Step 7.		-		
Servation Continuity at the following terminals: Between parking sensor control module terminal AB and body ground Inspect for continuity at the following terminals: Between parking sensor control module terminal AB and body ground Is there continuity?				
BETWEEN CONNECTOR C-34 AND PARKING SENSOR CONTROL MODULE Inspect for continuity at the following terminals: Between parking sensor control module terminal AB and body ground Between parking SENSOR CONTROL MODULE FOR SHORT TO GROUND Disconnect the parking sensor control module connector. Inspect for continuity at the following terminals: Between parking sensor control module connector. Inspect for continuity at the following terminals: Between parking sensor control module terminal AA (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: Between climate control unit terminal 1S and body ground (with full-auto air				
SENSOR CONTROL MODULE Inspect for continuity at the following terminals: Between parking sensor control module terminal AA and body ground Between parking sensor control module terminal AB and body ground Inspect for continuity? Selve a parking sensor control module connector. Inspect for continuity at the following terminals: Between parking sensor control module terminal AA (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND Between climate control unit terminal 1S and body ground (with full-auto air	3		Yes	
Inspect for continuity at the following terminals: Between parking sensor control module terminal AA and body ground Between parking sensor control module terminal AB and body ground Is there continuity? INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND Disconnect the parking sensor control module connector. Inspect for continuity at the following terminals: Between parking sensor control module terminal AA (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: Between climate control unit terminal 1S and body ground (with full-auto air			No	Go to Step 5.
- Between parking sensor control module terminal AA and body ground - Between parking sensor control module terminal AB and body ground - Is there continuity? 4 INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND • Disconnect the parking sensor control module connector. • Inspect for continuity at the following terminals: - Between parking sensor control module terminal AA (wiring harness side) and body ground - Between parking sensor control module terminal AB (wiring harness side) and body ground - Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK • Inspect for continuity at the following terminals: - Between climate control unit terminal 1S and body ground (with full-auto air				
terminal AA and body ground Between parking sensor control module terminal AB and body ground Is there continuity? INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND Disconnect the parking sensor control module connector. Inspect for continuity at the following terminals: Between parking sensor control module terminal AA (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: Between climate control unit terminal 1S and body ground (with full-auto air				
- Between parking sensor control module terminal AB and body ground • Is there continuity? 4 INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND • Disconnect the parking sensor control module connector. • Inspect for continuity at the following terminals: — Between parking sensor control module terminal AA (wiring harness side) and body ground — Between parking sensor control module terminal AB (wiring harness side) and body ground • Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK • Inspect for continuity at the following terminals: — Between climate control unit terminal 1S and body ground (with full-auto air				
terminal ÅB and body ground INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND Disconnect the parking sensor control module connector. Inspect for continuity at the following terminals: Between parking sensor control module terminal AA (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: Between climate control unit terminal 1S and body ground (with full-auto air				
Inspect for continuity? Inspect FOR SHORT TO Ground Between parking sensor control module terminal AB (wiring harness side) and body ground Inspect FOR SHORT TO GROUND Between parking sensor control module terminal AB (wiring harness side) and body ground Inspect FOR SHORT TO GROUND Between parking sensor control module terminal AB (wiring harness side) and body ground Inspect FOR SHORT TO GROUND Between continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: Between climate control unit terminal 1S and body ground (with full-auto air				
4 INSPECT CAN LINE IN PARKING SENSOR CONTROL MODULE FOR SHORT TO GROUND • Disconnect the parking sensor control module connector. • Inspect for continuity at the following terminals: — Between parking sensor control module terminal AA (wiring harness side) and body ground — Between parking sensor control module terminal AB (wiring harness side) and body ground • Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK • Inspect for continuity at the following terminals: — Between climate control unit terminal 1S and body ground (with full-auto air				
CONTROL MODULE FOR SHORT TO GROUND Disconnect the parking sensor control module connector. Inspect for continuity at the following terminals: Between parking sensor control module terminal AA (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: Between climate control unit terminal 1S and body ground (with full-auto air				
## Wiring harness is shorted to ground. Disconnect the parking sensor control module connector.	4		Yes	1
Disconnect the parking sensor control module connector. Inspect for continuity at the following terminals: Between parking sensor control module terminal AA (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: Between climate control unit terminal 1S and body ground (with full-auto air PReplace the parking sensor control module is a short to ground in the parking sensor control module (See PARKING SENSOR CONTROL MODULE REMOVAL/INSTALLATION.) Replace the parking sensor control module is a short to ground in the parking sensor control module (See PARKING SENSOR CONTROL MODULE REMOVAL/INSTALLATION.) Replace the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor control module (See PARKING SENSOR CONTROL MODULE REMOVAL/INSTALLATION.) Removal in the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor control module is a short to ground in the parking sensor cont				
connector. Inspect for continuity at the following terminals: Between parking sensor control module terminal AA (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: Between climate control unit terminal 1S and body ground (with full-auto air			NIa	
 Inspect for continuity at the following terminals: Between parking sensor control module terminal AA (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals:		=	INO	
 Between parking sensor control module terminal AA (wiring harness side) and body ground Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: Between climate control unit terminal 1S and body ground (with full-auto air 				
terminal AA (wiring harness side) and body ground — Between parking sensor control module terminal AB (wiring harness side) and body ground • Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK • Inspect for continuity at the following terminals: — Between climate control unit terminal 1S and body ground (with full-auto air		1 .		
ground — Between parking sensor control module terminal AB (wiring harness side) and body ground • Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK • Inspect for continuity at the following terminals: — Between climate control unit terminal 1S and body ground (with full-auto air				INCINIOVAL/INSTALLATION.)
Between parking sensor control module terminal AB (wiring harness side) and body ground Is there continuity? INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: Between climate control unit terminal 1S and body ground (with full-auto air Between parking sensor control module terminal body ground with full-auto air Yes Go to the next step. Go to Step 7.		, ,		
terminal AB (wiring harness side) and body ground • Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK • Inspect for continuity at the following terminals: — Between climate control unit terminal 1S and body ground (with full-auto air				
ground • Is there continuity? 5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK • Inspect for continuity at the following terminals: — Between climate control unit terminal 1S and body ground (with full-auto air				
Inspect for Short to Ground Between Connector C-34 and Climate Control Unit or Clock Inspect for continuity at the following terminals: Between climate control unit terminal 1S and body ground (with full-auto air Inspect for continuity at the following terminals: Between climate control unit terminal 1S and body ground (with full-auto air		` ` ` ,		
5 INSPECT FOR SHORT TO GROUND BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: — Between climate control unit terminal 1S and body ground (with full-auto air		•		
BETWEEN CONNECTOR C-34 AND CLIMATE CONTROL UNIT OR CLOCK Inspect for continuity at the following terminals: Between climate control unit terminal 1S and body ground (with full-auto air	5	· · · · · · · · · · · · · · · · · · ·	Yes	Go to the next step.
CONTROL UNIT OR CLOCK • Inspect for continuity at the following terminals: — Between climate control unit terminal 1S and body ground (with full-auto air				
Inspect for continuity at the following terminals: Between climate control unit terminal 1S and body ground (with full-auto air				· ·
Between climate control unit terminal 1S and body ground (with full-auto air				
		and body ground (with full-auto air		
		conditioner)		
Between climate control unit terminal 1U				
and body ground (with full-auto air				
conditioner)				
Between clock terminal E and body ground				
(with manual air conditioner)				
Between clock terminal G and body ground				
(with manual air conditioner)				
• Is there continuity?		Is there continuity?		

Step	Inspection	V	Action
6	INSPECT CAN LINE IN CLIMATE CONTROL	Yes	Repair or replace the wiring harness between the climate
	UNIT OR CLOCK FOR SHORT TO GROUND		control unit or clock and connector C-34 because the wiring
	Disconnect the climate control unit connector or		harness is shorted to ground.
	clock connector.	No	Replace the climate control unit or the clock because there
	• Inspect for continuity at the following terminals:		is a short to ground inside the climate control unit or the
	Between climate control unit terminal 1S		clock.
	(wiring harness side) and body ground (with		(See CLIMATE CONTROL UNIT REMOVAL/
	full-auto air conditioner)		INSTALLATION [FULL-AUTO AIR CONDITIONER].)
	Between climate control unit terminal 1U		(See CLOCK REMOVAL/INSTALLATION.)
	(wiring harness side) and body ground (with		
	full-auto air conditioner)		
	Between clock terminal E (wiring harness)		
	side) and body ground (with manual air		
	conditioner)		
	Between clock terminal G (wiring harness)		
	side) and body ground (with manual air		
	conditioner)		
	Is there continuity?		
7	INSPECT FOR SHORT TO GROUND	Yes	Go to the next step.
	BETWEEN CONNECTOR C-34 AND AUDIO	No	Go to Step 9.
	UNIT		
	• Inspect for continuity at the following terminals:		
	Between audio unit terminal 10 and body		
	ground		
	Between audio unit terminal 1Q and body		
	ground		
_	Is there continuity?		
8	INSPECT CAN LINE IN AUDIO UNIT FOR	Yes	Repair or replace the wiring harness between the audio
	SHORT TO GROUND		unit and connector C-34 because the wiring harness is
	Disconnect the audio unit connector.		shorted to ground.
	• Inspect for continuity at the following terminals:	No	Replace the audio unit because there is a short to ground
	Between audio unit terminal 10 (wiring)		inside the audio unit.
	harness side) and body ground		(See AUDIO UNIT REMOVAL/INSTALLATION.)
	Between audio unit terminal 1Q (wiring)		
	harness side) and body ground		
	• Is there continuity?	Y	Out the second states
9	INSPECT FOR SHORT TO GROUND	Yes	Go to the next step.
	BETWEEN CONNECTOR C-34 AND	No	Repair or replace the wiring harness between connectors
	INSTRUMENT CLUSTER		C-08 and C-34 because the wiring harness is shorted to
	Inspect for continuity at the following terminals: Between instrument cluster terminal C and		ground.
	body ground		
	Between instrument cluster terminal E and body ground		
	body ground		
10	• Is there continuity?	Voc	Panair or rapided the wiring harness between the
10	INSPECT CAN LINE IN INSTRUMENT CLUSTER FOR SHORT TO GROUND	Yes	Repair or replace the wiring harness between the
	Disconnect the instrument cluster connector.		instrument cluster and connector C-34 because the wiring
	 Inspect for continuity at the following terminals: 	No	harness is shorted to ground. Replace the instrument cluster because there is a short to
	Between instrument cluster terminal C	INU	ground in the instrument cluster because there is a short to
	(wiring harness side) and body ground		10
	Between instrument cluster terminal E		(See INSTRUMENT CLUSTER REMOVAL/ INSTALLATION.)
	(wiring harness side) and body ground		INOTALLATION.)
	Is there continuity?		
11	INSPECT FOR SHORT TO GROUND	Yes	Repair or replace the wiring harness between connectors
''	BETWEEN CONNECTORS C-14 AND C-08	163	C-14 and C-08 because the wiring harness is shorted to
	• Disconnect connector C-14.		ground.
	Connect connector C-14.	No	Go to the next step.
	• Inspect for continuity at the following terminals:	INU	GO to the next step.
	Between DLC-2 terminal L and body		
	ground		
	Between DLC-2 terminal K and body		
	ground		
	Is there continuity?		
	to alore continuity:		<u>I</u>

Step	Inspection		Action
12	INSPECT FOR SHORT TO GROUND	Yes	Repair or replace the wiring harness between connectors
	BETWEEN CONNECTOR C-14 AND	. 00	C-47 and C-48 and connector C-14 because the wiring
	CONNECTORS C-47 AND C-48		harness is shorted to ground.
	• Disconnect connectors C-47 and C-48.	No	Go to the next step.
		INO	Go to the next step.
	Connect connector C-14. Induct for continuity at the following to region leads		
	• Inspect for continuity at the following terminals:		
	Between DLC-2 terminal L and body		
	ground		
	Between DLC-2 terminal K and body		
	ground		
	Is there continuity?		
13	INSPECT FOR SHORT TO GROUND	Yes	Go to the next step.
	BETWEEN REAR VEHICLE MONITORING	No	Go to Step 16.
	CONTROL MODULE (RH) AND		
	CONNECTORS C-47 AND C-48		
	Inspect for continuity at the following terminals:		
	 Between rear vehicle monitoring control 		
	module (RH) terminal L and body ground		
	Between rear vehicle monitoring control		
	module (RH) terminal I and body ground		
	• Is there continuity?		
14	INSPECT FOR SHORT TO GROUND	Yes	Go to the next step.
	BETWEEN REAR VEHICLE MONITORING	No	Repair or replace the wiring harness between connector
	CONTROL MODULE (RH) AND CONNECTOR	110	C-43 and connectors C-47 and C-48 because the wiring
	C-43		harness is shorted to ground.
	Disconnect connector C-43.		marriess is shorted to ground.
	• Inspect for continuity at the following terminals:		
	Between rear vehicle monitoring control		
	module (RH) terminal L and body ground		
	Between rear vehicle monitoring control		
	module (RH) terminal I and body ground		
45	• Is there continuity?	\/	Denois an analysis the minimum house of het many the same
15	INSPECT CAN LINE IN REAR VEHICLE	Yes	Repair or replace the wiring harness between the rear
	MONITORING CONTROL MODULE (RH) FOR		vehicle monitoring control module (RH) and connector
	SHORT TO GROUND		C-43 because the wiring harness is shorted to ground.
	Disconnect the rear vehicle monitoring control	No	Replace the rear vehicle monitoring control module (RH)
	module connector.		because there is a short to ground in the rear vehicle
	Inspect for continuity at the following terminals:		monitoring control module (RH).
	Between rear vehicle monitoring control		(See REAR VEHICLE MONITORING CONTROL
	module (RH) terminal L (wiring harness		MODULE REMOVAL/INSTALLATION.)
	side) and body ground		
	Between rear vehicle monitoring control		
	module (RH) terminal I (wiring harness		
	side) and body ground		
	Is there continuity?		
16	INSPECT FOR SHORT TO GROUND	Yes	Go to the next step.
	BETWEEN REAR BODY CONTROL MODULE	No	Go to Step 19.
	(RBCM) AND REAR MOUNT CAMERA		
	Disconnect the rear body control module		
	(RBCM) connector.		
	Inspect for continuity at the following terminals:		
	Between rear body control module (RBCM)		
	terminal 4I (wiring harness side) and body		
	ground		
	Between rear body control module (RBCM)		
	terminal 4L (wiring harness side) and body		
	ground		
	Is there continuity?		
	is alore continuity.		

Step	Inspection		Action
17	INSPECT FOR SHORT TO GROUND BETWEEN REAR BODY CONTROL MODULE (RBCM) AND CONNECTOR C-21	Yes	Repair or replace the wiring harness between the rear body control module (RBCM) and connector C-21 because the wiring harness is shorted to ground.
	Disconnect connector C-21. Inspect for continuity at the following terminals: Between rear body control module (RBCM) terminal 4I (wiring harness side) and body ground Between rear body control module (RBCM) terminal 4L (wiring harness side) and body ground Is there continuity?	No	Go to the next step.
18	INSPECT CAN LINE IN REAR MOUNT CAMERA FOR SHORT TO GROUND • Disconnect the rear mount camera connector. • Inspect for continuity at the following terminals: — Between rear mount camera terminal G (wiring harness side) and body ground — Between rear mount camera terminal H (wiring harness side) and body ground • Is there continuity?	Yes	Repair or replace the wiring harness between the rear mount camera and connector C-21 because the wiring harness is shorted to ground. Replace the rear mount camera because there is a short to ground in the rear mount camera. (See REAR MOUNT CAMERA REMOVAL/INSTALLATION.)
19	INSPECT CAN LINE INSIDE REAR BODY CONTROL MODULE (RBCM) FOR SHORT TO GROUND Inspect for continuity at the following terminals: Between rear body control module (RBCM) terminal 4G (wiring harness side) and body ground Between rear body control module (RBCM) terminal 4J (wiring harness side) and body ground Is there continuity?	Yes	Repair or replace the wiring harness between the rear body control module (RBCM) and connectors C-47 and C-48 because the wiring harness is shorted to ground. Replace the rear body control module (RBCM) because there is a short to ground in the rear body control module (RBCM). (See REAR BODY CONTROL MODULE (RBCM) REMOVAL/INSTALLATION.)