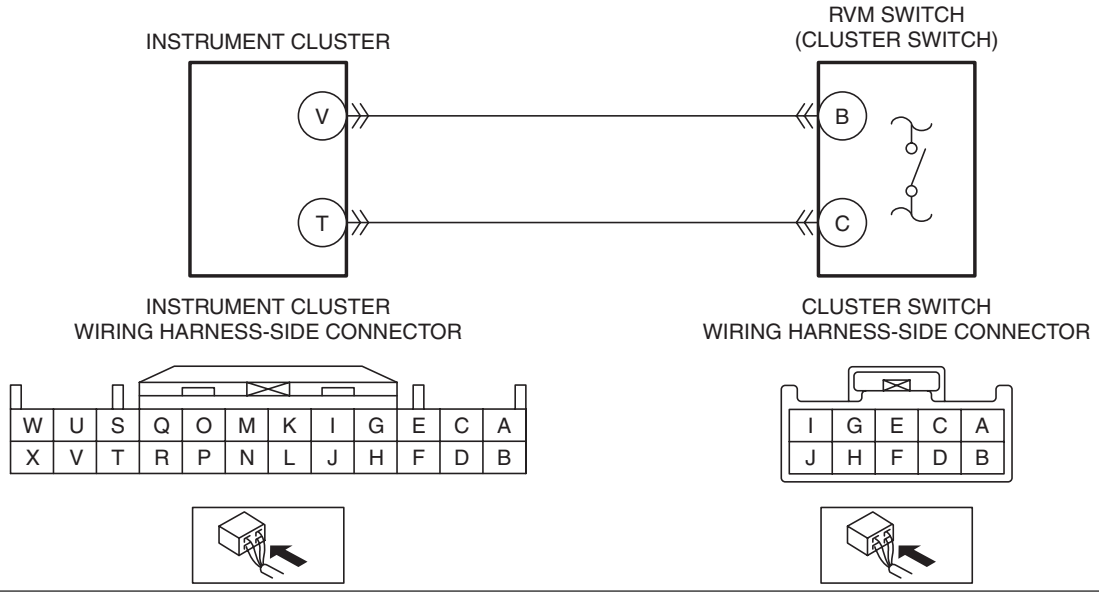
DTC B11F2:23 [REAR VEHICLE MONITORING SYSTEM]

id0902z2885300

System malfunction location	**RVM switch circuit malfunction**
Detection condition	• The rear vehicle monitoring control module (RH) receives RVM switch ON signal from the instrument cluster for **2 min or more**.
Fail-safe	• Inhibits the rear vehicle monitoring system.
Possible cause	• DTCs are stored in the instrument cluster. • Cluster switch connector or terminal malfunction • RVM switch malfunction • Instrument cluster connector or terminal malfunction • Short to ground in wiring harness between the following terminals: — Instrument cluster terminal V and cluster switch terminal B — Instrument cluster terminal T and cluster switch terminal C • Instrument cluster malfunction • Rear vehicle monitoring control module (RH) malfunction



Diagnostic Procedure

Step	Inspection		Action
1	**VERIFY INSTRUMENT CLUSTER DTCs** • Perform the DTC inspection for the instrument cluster using the M-MDS. (See DTC INSPECTION [INSTRUMENT CLUSTER].) • Is the DTC displayed?	Yes	Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [INSTRUMENT CLUSTER].)
		No	Go to the next step.

Step	Inspection		Action
2	**INSPECT CLUSTER SWITCH CONNECTOR** • Switch the ignition to off. • Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Disconnect the cluster switch connector. • Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection. • Is the connector normal?	Yes	Go to the next step.
		No	Repair or replace the connector, then go to Step 7.
3	**INSPECT RVM SWITCH** • Inspect the RVM switch. (See RVM SWITCH INSPECTION.) • Is the RVM switch normal?	Yes	Go to the next step.
		No	Replace the cluster switch, then go to Step 7. (See SWITCH PANEL REMOVAL/INSTALLATION.)
4	**INSPECT INSTRUMENT CLUSTER CONNECTOR** • Disconnect the instrument cluster connector. • Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection. • Is the connector normal?	Yes	Go to the next step.
		No	Repair or replace the connector, then go to Step 7.
5	**INSPECT RVM SWITCH CIRCUIT FOR SHORT TO GROUND** • Verify that the cluster switch connector and instrument cluster connector are disconnected. • Inspect for continuity between the following terminals (vehicle wiring harness side) and body ground. — Cluster switch terminal B — Cluster switch terminal C • Is there continuity?	Yes	Repair or replace the wiring harness which is shorted to ground, then go to Step 7.
		No	Go to the next step.
6	**INSPECT INSTRUMENT CLUSTER** • Inspect the instrument cluster. (See INSTRUMENT CLUSTER INSPECTION.) • Is the instrument cluster normal?	Yes	Go to the next step.
		No	Replace the instrument cluster, then go to the next step. (See INSTRUMENT CLUSTER REMOVAL/INSTALLATION.)

Step	Inspection		Action
7	**VERIFY THAT REPAIRS HAVE BEEN COMPLETED** • Reconnect all the disconnected connectors. • Reconnect the disconnected negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Clear the DTC for the rear vehicle monitoring control module using the M-MDS. (See CLEARING DTC [REAR VEHICLE MONITORING SYSTEM].) • Switch the ignition ON (engine off or on) and wait for **2 min or more**. • Perform the DTC inspection for the rear vehicle monitoring control module using the M-MDS. (See DTC INSPECTION [REAR VEHICLE MONITORING SYSTEM].) • Is DTC B11F2:23 displayed?	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the rear vehicle monitoring control module (RH), then go to the next step. (See REAR VEHICLE MONITORING CONTROL MODULE REMOVAL/INSTALLATION.)
		No	Go to the next step.
8	**VERIFY IF OTHER DTCs DISPLAYED** • Are any other DTCs displayed?	Yes	Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [REAR VEHICLE MONITORING SYSTEM].)
		No	DTC troubleshooting completed.