

B1451、 B1454 SIDE IMPACT SENSOR

DTC DESCRIPTION

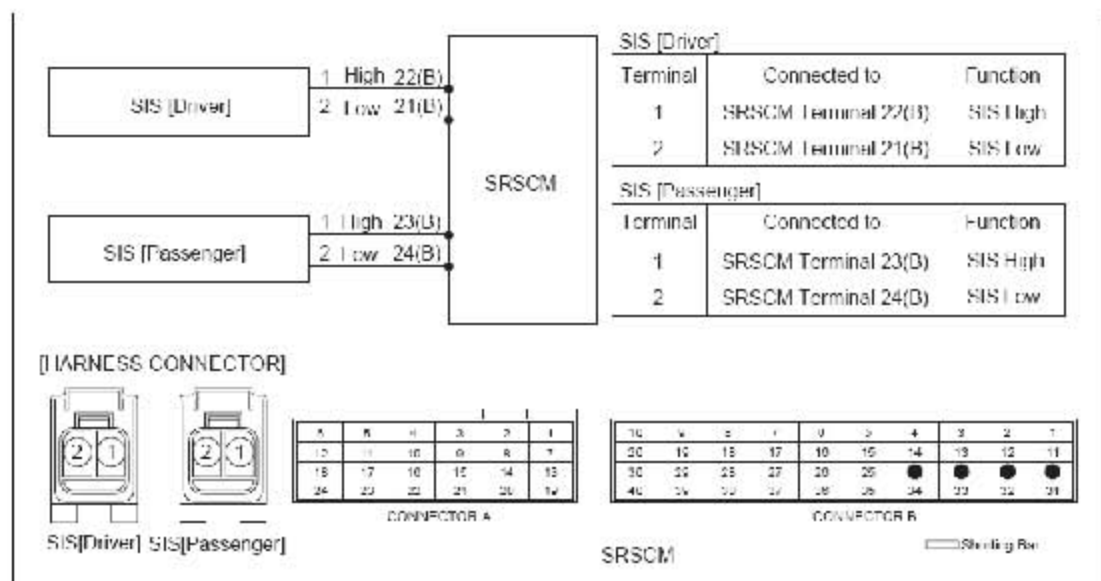
The detecting system for side crash consists of the SRSCM and four Side Impact Sensors (SIS). The SRSCM sets above DTC(s) if it detects short to ground on the SIS circuit.

DTC	FAULT DESCRIPTION
B1451	SIDE IMPACT SENSOR [REAR-DRIVER] CIRCUIT SHORT TO GROUND
B1454	SIDE IMPACT SENSOR [REAR-PASSENGER] CIRCUIT SHORT TO GROUND

DTC DETECTING CONDITION

DTC	Condition	Probable cause
B1451 B1454	<ul style="list-style-type: none"> • Short to ground between SIS and SRSCM • Side Impact Sensor (SIS) Malfunction • SRSCM Malfunction 	<ul style="list-style-type: none"> • Short to ground circuit on wiring harness • Side Impact Sensor (SIS) • SRSCM

SCHEMATIC DIAGRAM



TERMINAL & CONNECTOR INSPECTION

Refer to the DESCRIPTION in this TROUBLESHOOTING section.

INSPECTION PROCEDURE

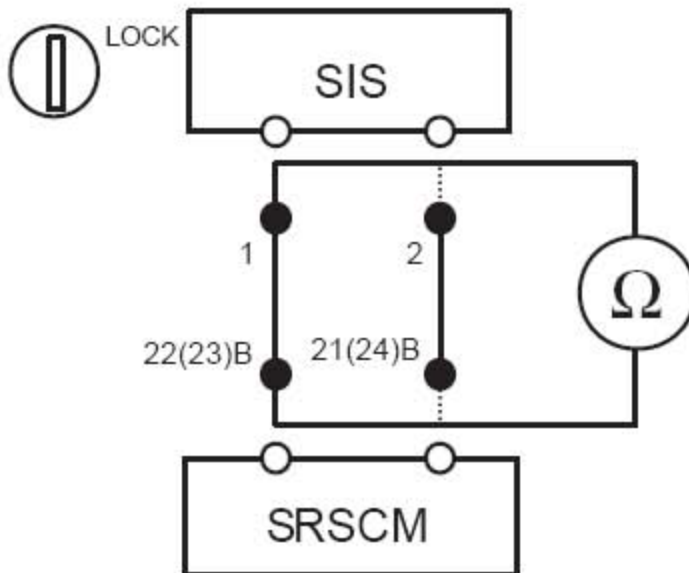
1). PREPARATION.

Refer to the DESCRIPTION in this TROUBLESHOOTING section.

2). CHECK SHORT TO GROUND

A) Measure resistance between the terminal 1 of SIS harness connector and chassis ground.

Specification (resistance) : infinite



B) Is the measured resistance within specification?

YES

▶ Check the SIS.

NO

▶ Repair or replace the wiring harness between the SIS and the SRSCM.

3). CHECK THE SIDE IMPACT SENSOR

A) Replace the Side Impact Sensor(SIS) with a new one.

Refer to "Side Impact Sensor(SIS)" section in this SERVICE MANUAL.

B) Install the DAB module and connect the DAB connector.

C) Connect the connectors of the PAB, SAB, CAB, BPT, FIS and SIS.

D) Connect the SRSCM connector.

E) Connect the battery negative cable to the battery.

F) Connect a Hi-Scan(Pro) to the data link connector.

G) Turn the ignition switch to ON and check the vehicle again.

Does Hi-Scan (Pro) indicate any DTC related to Side Impact Sensor(SIS)?

YES

▶ Go to next step.

NO

▶ Replace SIS module.

4). CLEAR THE DTC AND CHECK THE VEHICLE AGAIN

Refer to the DESCRIPTION in this TROUBLESHOOTING section.