B1528 PASSENGER AIRBAG

DTC DESCRIPTION

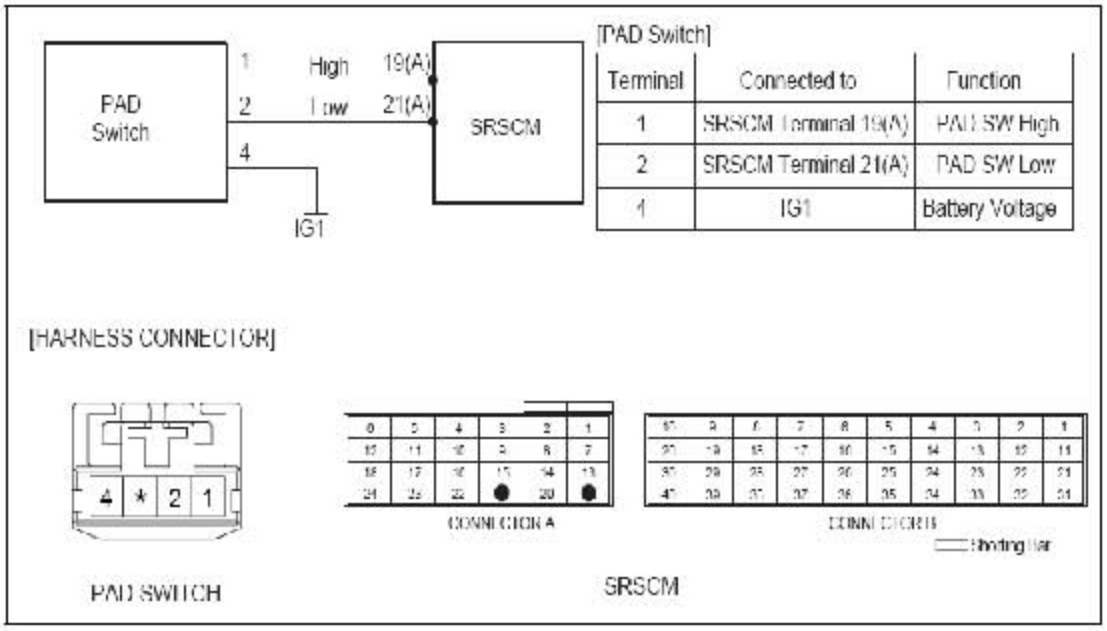
The deactivation system for the passenger airbag consists of the SRSCM and the Passenger Airbag Deactivation(PAD) switch. The above DTC is recorded when PAD switch open or short to battery is detected in the PAD circuit.

DTC	FAULT DESCRIPTION
B1528	PASSENGER AIRBAG DEACTIVATION SWITCH SHORT OR SHORT TO GROUND

DTC DETECTING CONDITION

DTC	Condition	Probable cause
B1528	• Short to ground between PAD switch and SRSCM • PAD switch malfunction • SRSCM malfunction	• PAD switch • Wiring harness • SRSCM

SCHEMATIC DIAGRAM



SPECIFICATION

PAD Switch Status	Resistance (Ω)	Related DTC
Short to Battery	R > 1,114	B1527
ON (PAB Enabled)	728 ~ 1,567	
Defect	502 ~ 1,024	B1529
OFF (PAB Disabled)	301 ~ 706	
Short to Ground	R < 424	B1528

TERMINAL & CONNECTOR INSPECTION

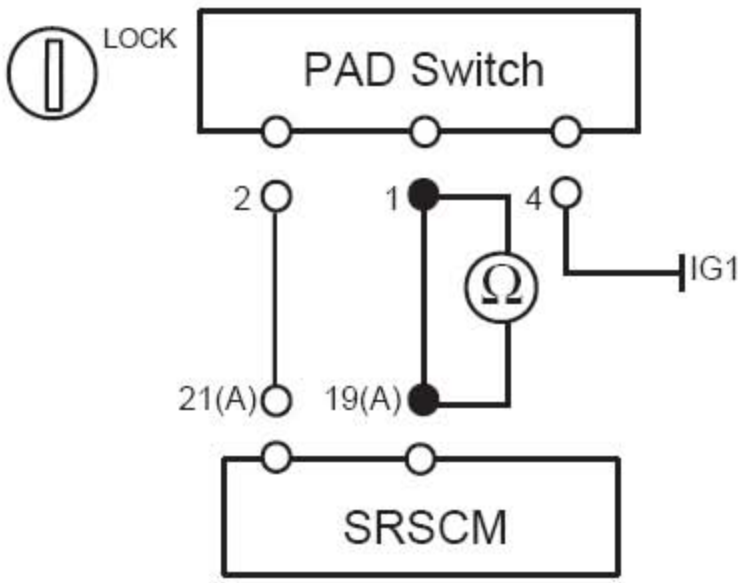
Refer to the DESCRIPTION in this TROUBLESHOOTING section.

INSPECTION PROCEDURE

1). PREPARATION.
Refer to the DESCRIPTION in this TROUBLESHOOTING section.

2). CHECK SHORT TO GROUND
A) Disconnect the connector of the PAD switch.
B) Measure resistance between the terminal 1 of PAD switch harness connector and chassis ground.

Specification (resistance) : infinite



C) Is the measured resistance within specification?

YES

▶ Check short circuit.

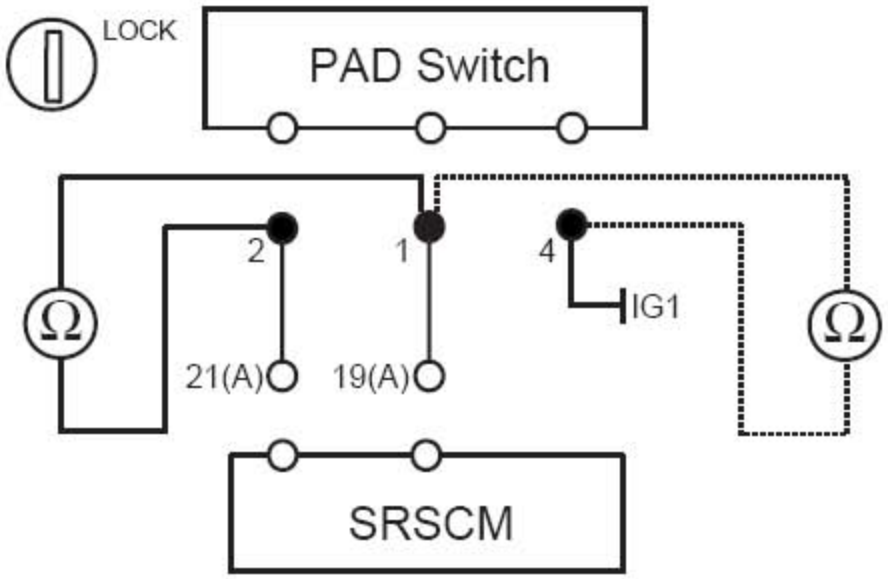
NO

▶ Replace the harness between the SRSCM and the PAD switch.

3). CHECK SHORT TO BATTERY LINE

A) Measure resistance between 1 and 2 of PAD switch harness connector.

B) Measure resistance between 1 and 4 of PAD switch harness connector.



C) Is the measured resistance within specification?

YES

▶ Go to next step.

NO

▶ Repair or replace the wiring harness between the PAD switch and the SRSCM.

4). CHECK THE PAD SWITCH

A) Connect the SRSCM connector.

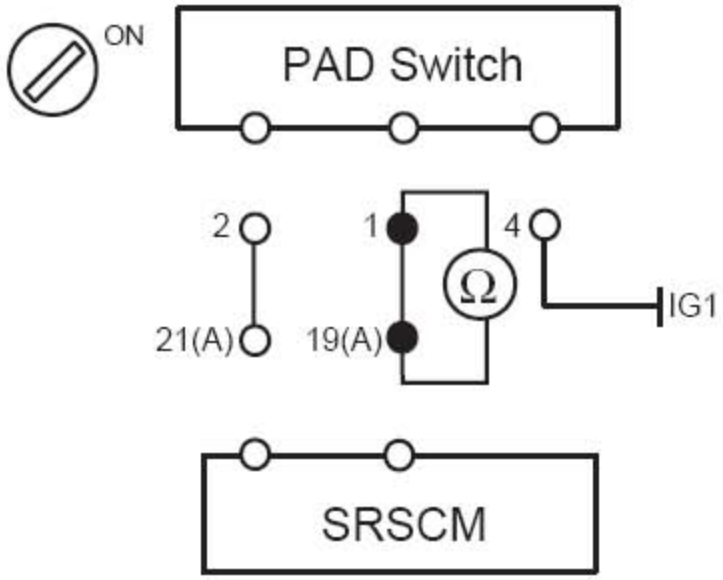
B) Connect the PAD switch.

C) Connect the battery negative cable to the battery.

D) Turn the ignition switch to ON.

E) Measure resistance between the terminal 19 of the SRSCM harness connector(A) and 1 of PAD switch harness connector.

Specification (resistance :
PAD switch ON (Enabled positon) : 728 ~ 1,567 Ω
PAD switch OFF (Disabled positon) : 301 ~ 706 Ω



F) Is the measured resistance within specification?

YES

▶ Go to next step.

NO

▶ Replace the PAD switch.

5). CLEAR THE DTC AND CHECK THE VEHICLE AGAIN
Refer to the DESCRIPTION in this TROUBLESHOOTING section.