

## Limit Switch Circuit

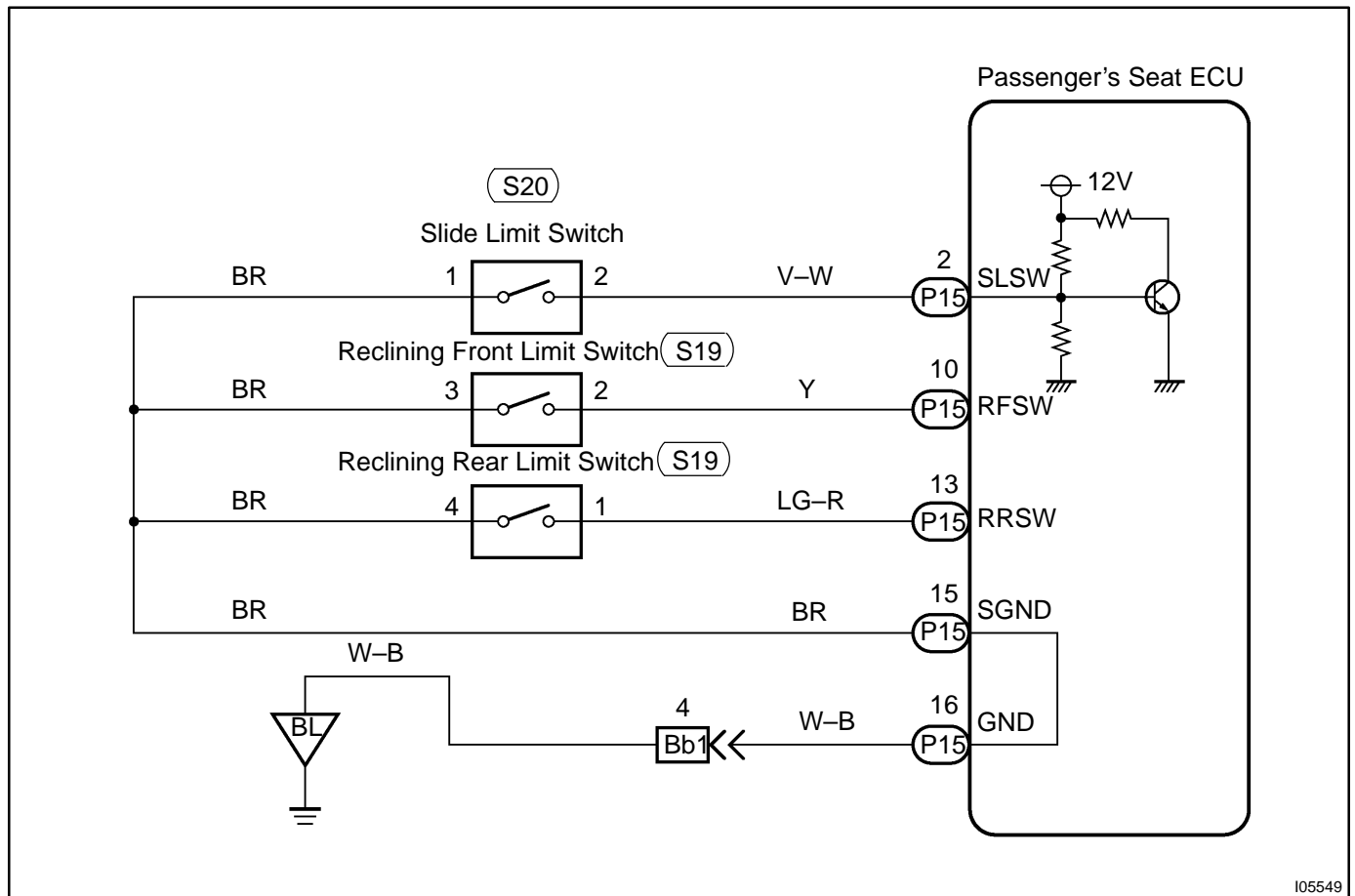
## CIRCUIT DESCRIPTION

Slide neutral limit switch: This switch is on when passenger's, seat is slided approx. 120 mm or more from the most back position.

Reclining front limit switch: This switch is on, when passenger's seat back is reclining forward.

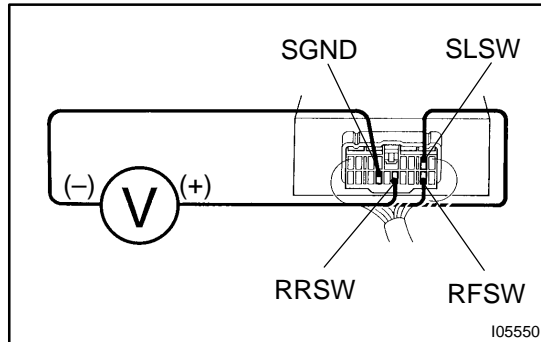
Reclining rear limit switch: When passenger's seat back returns upright, this is on.

## WIRING DIAGRAM



## INSPECTION PROCEDURE

- 1 Check voltage between terminals SLSW, RFSW, RRSW and SGND of ECU connector.

**PREPARATION:**

Remove ECU with connector still connected.

**CHECK:**

Measure voltage between each terminal and SGND of ECU connector.

When each limit switch is on and off.

**OK:**

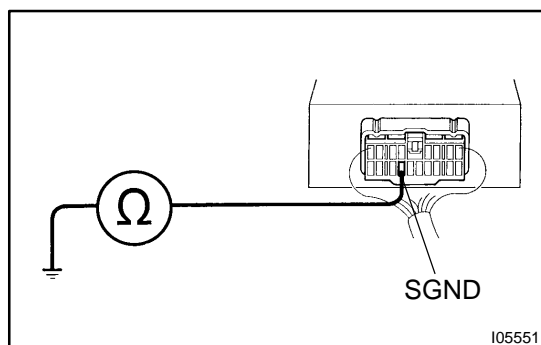
Switch condition		Condition	Voltage
Slide neutral limit switch	ON	Seat is forward of the neutral position.	Below 1 V
	OFF	Seat is to the rear of the neutral position.	10 – 14 V
Reclining front limit switch	ON	Seat back is fully reclined.	Below 1 V
	OFF	Others	10 – 14 V
Reclining rear limit switch	ON	Seat back is in the upright position	Below 1 V
	OFF	Others	10 – 14 V

OK

Proceed to next circuit inspection shown on matrix chart (See page DI-633).

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- 2 Check continuity between terminal SGND of ECU connector and body ground.

**PREPARATION:**

Remove ECU with connector still connector.

**CHECK:**

Measure resistance between terminal SGND of ECU connector and body ground.

**OK:**

Resistance: 1 Ω or less

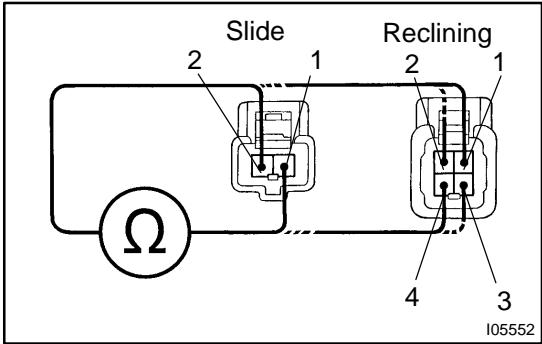
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Repair or replace harness or connector.

OK

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**Check each limit switch.**



**PREPARATION:**

Disconnect limit switch connector.

**CHECK:**

Check continuity of each terminal of limit switch.

**OK:**

Switch condition		Condition	Resistance
Slide neutral limit switch	ON	Seat is forward of the neutral position.	Continuity
	OFF	Seat is to the rear of the neutral position.	Open
Reclining front limit switch	ON	Seat back is fully reclined.	Continuity
	OFF	Others	Open
Reclining rear limit switch	ON	Seat back is in the upright position	Continuity
	OFF	Others	Open

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**Replace the limit switch.**

**OK**

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**Check for open and short in harness and connector between ECU and limit switches, limit switches and terminal SGND (See page [IN-29](#)).**

**NG**

**Repair or replace harness or connector.**

**OK**

**Check and replace ECU.**