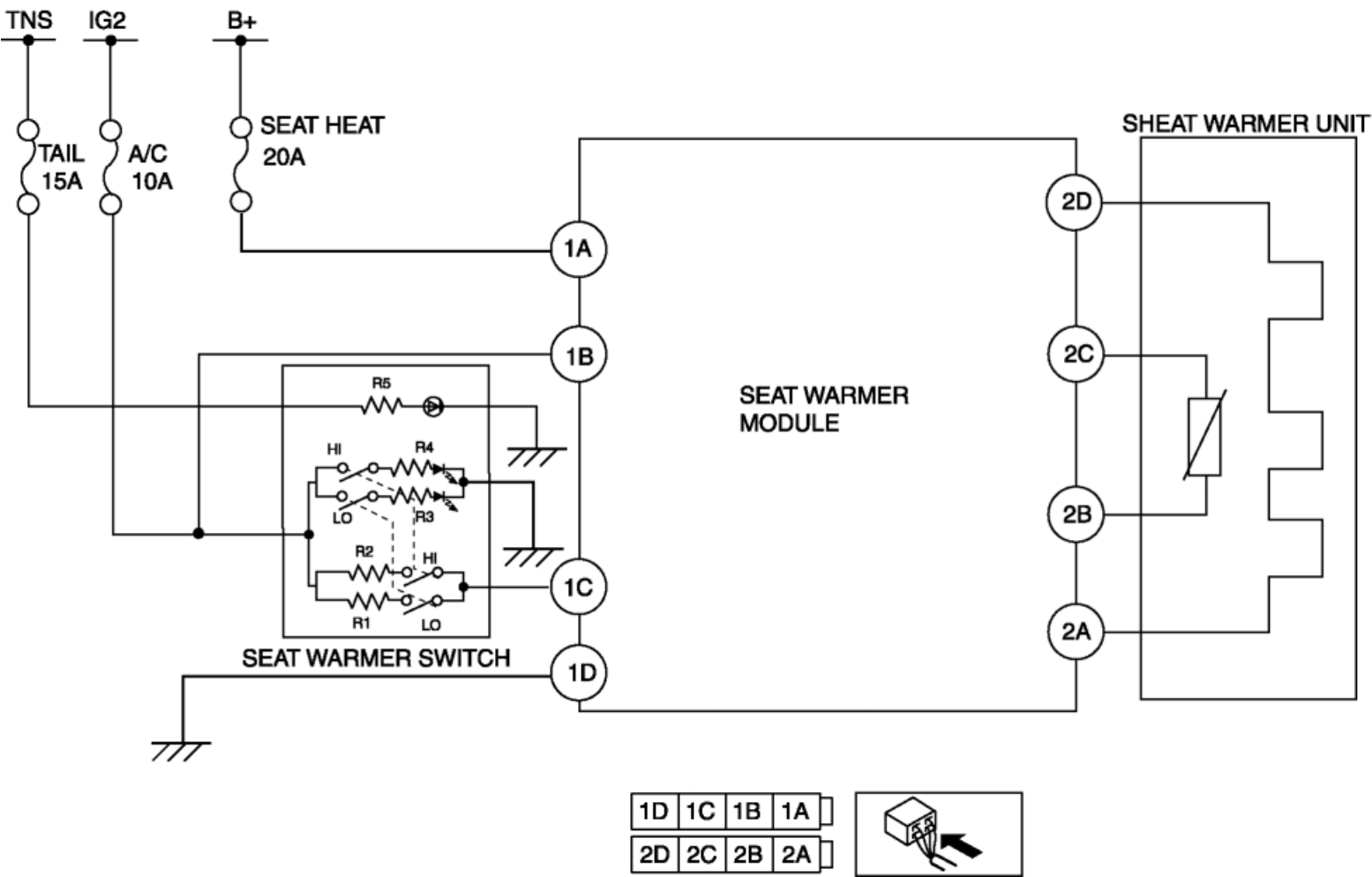


2012 - Mazda6 - Body and Accessories

SEAT WARMER MODULE INSPECTION

1. Measure the voltage at each terminal is as indicated in the Terminal Voltage Tables.
- If the voltage is not as specified in the Terminal Voltage Table (Reference), inspect the parts under “ Inspection item (s)” and related wiring harnesses.
2. If the system does not work properly even though the inspection items or related wiring harnesses do not have any malfunction, replace the seat warmer module.

Terminal Voltage Table (Reference)



Terminal	Signal name	Connected to	Measured condition	Voltage (V)	Inspection item (s)
1A	Power supply	SEAT HEAT 20 A fuse	Under any condition	B+	• SEAT HEAT 20A fuse • Related wiring harness

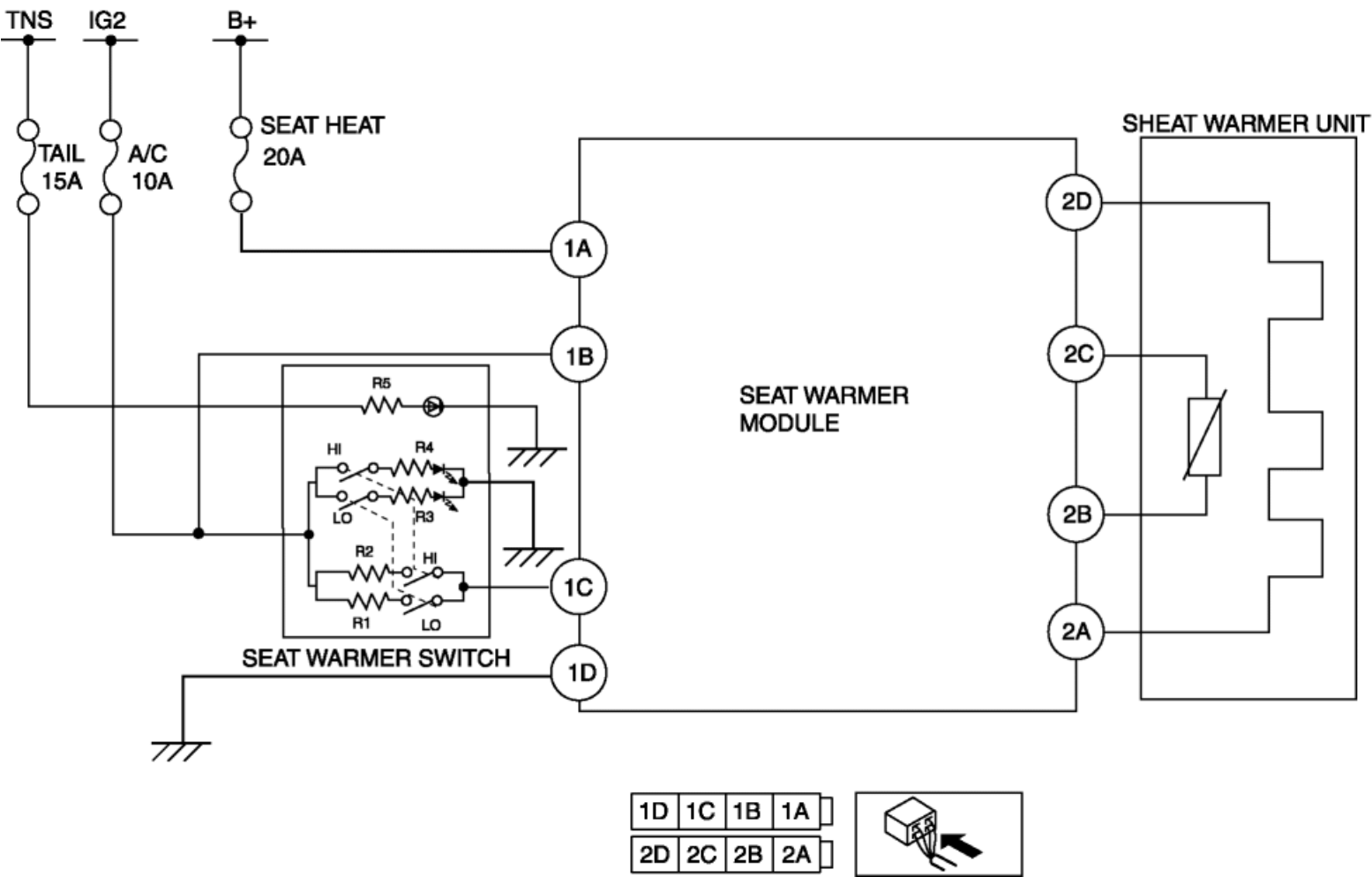
1B	IG2	A/C 10 A fuse	Switch the ignition to off	1.0 or less	- A/C 10A fuse - Related wiring harness
			Switch the ignition to ON	B+	
1C	Seat warmer switch input	Seat warmer switch	Seat warmer switch to off	1.0 or less	- Seat warmer switch - Related wiring harness
			Press the seat warmer switch to LO	approx. 9.6	
			Press the seat warmer switch to HI	approx. 11.4	
1D	GND	Body ground	Under any condition	1.0 or less	Related wiring harness
2A	Seat warmer unit output	Seat warmer unit	Seat warmer switch to off	1.0 or less	- Seat warmer unit - Related wiring harness
			Press the seat warmer switch to LO and the seat is 37.4°C {99.3°F} or less	B+	
			Press the seat warmer switch to LO and the seat is 37.5°C {99.5°F} or more	1.0 or less	
			Press the seat warmer switch to HI and the seat is 41.4°C {107°F} or less	B+	
			Press the seat warmer switch to HI and the seat is 41.5°C {107°F} or more	1.0 or less	
2B	Temperature power supply	Temperature sensor	Switch the ignition to off	1.0 or less	- Seat warmer unit - Related wiring harness
			Switch the ignition to ON	1.0—9.0	
2C	Temperature pulse	Temperature sensor	Switch the ignition to off	1.0 or less	- Seat warmer unit - Related wiring harness
			Switch the ignition to ON	0—3.0	
2D	Seat warmer unit input	Seat warmer unit	Under any condition	1.0 or less	- Seat warmer unit - Related wiring harness

2012 - Mazda6 - Body and Accessories

SEAT WARMER MODULE INSPECTION

1. Measure the voltage at each terminal is as indicated in the Terminal Voltage Tables.
- If the voltage is not as specified in the Terminal Voltage Table (Reference), inspect the parts under "Inspection item (s)" and related wiring harnesses.
2. If the system does not work properly even though the inspection items or related wiring harnesses do not have any malfunction, replace the seat warmer module.

Terminal Voltage Table (Reference)



Terminal	Signal name	Connected to	Measured condition	Voltage (V)	Inspection item (s)
1A	Power supply	SEAT HEAT 20 A fuse	Under any condition	B+	• SEAT HEAT 20A fuse • Related wiring harness

1B	IG2	A/C 10 A fuse	Switch the ignition to off	1.0 or less	- A/C 10A fuse - Related wiring harness
			Switch the ignition to ON	B+	
1C	Seat warmer switch input	Seat warmer switch	Seat warmer switch to off	1.0 or less	- Seat warmer switch - Related wiring harness
			Press the seat warmer switch to LO	approx. 9.6	
			Press the seat warmer switch to HI	approx. 11.4	
1D	GND	Body ground	Under any condition	1.0 or less	Related wiring harness
2A	Seat warmer unit output	Seat warmer unit	Seat warmer switch to off	1.0 or less	- Seat warmer unit - Related wiring harness
			Press the seat warmer switch to LO and the seat is 37.4°C {99.3°F} or less	B+	
			Press the seat warmer switch to LO and the seat is 37.5°C {99.5°F} or more	1.0 or less	
			Press the seat warmer switch to HI and the seat is 41.4°C {107°F} or less	B+	
			Press the seat warmer switch to HI and the seat is 41.5°C {107°F} or more	1.0 or less	
2B	Temperature power supply	Temperature sensor	Switch the ignition to off	1.0 or less	- Seat warmer unit - Related wiring harness
			Switch the ignition to ON	1.0—9.0	
2C	Temperature pulse	Temperature sensor	Switch the ignition to off	1.0 or less	- Seat warmer unit - Related wiring harness
			Switch the ignition to ON	0—3.0	
2D	Seat warmer unit input	Seat warmer unit	Under any condition	1.0 or less	- Seat warmer unit - Related wiring harness