

2001 ACCESSORIES & EQUIPMENT**Heated Seat Systems - 3.2CL, 3.2TL, 3.5RL & MDX****DESCRIPTION & OPERATION**

WARNING: Vehicles are equipped with air bag supplemental restraint system. Before attempting ANY repairs involving steering column, instrument panel or related components, see **SERVICE PRECAUTIONS** and **DISABLING & ACTIVATING AIR BAG SYSTEM** in appropriate **AIR BAG RESTRAINT SYSTEM** article in **RESTRAINTS**.

CAUTION: Before disconnecting battery, obtain anti-theft code for radio. After battery is reconnected, the word **CODE** will appear on radio display. Enter 5-digit anti-theft code using select buttons and radio will begin working. If code is entered wrong too many times, leave radio on at least one hour and enter code correctly. Any time radio power is lost, pre-selected radio stations will have to be set.

Heated seat system consists of temperature control switches, circuit breakers, control relays, heating elements, thermostats, and wiring. Seat temperature is selected using control switches and automatically controlled via a thermostat built into each seat cushion heater. On driver's seat there is one seat heater located in the seat-back and one in the seat cushion. On MDX and 3.2CL passenger's seat, there are 2 seat heaters in the seat cushion and no heater in the seat-back. On 3.2TL and 3.5RL passenger's seat, there is one heater in the seat cushion and no heater in the seat-back.

On MDX, system is powered through fuse No. 4 (7.5-amp) located in driver's underdash fuse/relay box, and fuse No. 14 (20-amp) located in passenger's underdash fuse/relay box. On 3.2CL and 3.2TL, system is powered through fuse No. 4 (7.5-amp) located in driver's underdash fuse/relay box, and fuse No. 3 (20-amp) located in passenger's underdash fuse/relay box. On 3.5RL, system is powered through fuse No. 19 (7.5-amp) and fuse No. 5 (20-amp), located in underdash fuse/relay box. All models use a 3-way rocker type switch with HI, OFF and LO settings to control seat temperature.

Thermostats monitor seat temperature and will open circuit at a specified temperature. On 3.5RL, thermostat and circuit breaker opens circuit at about 122°F (50°C). On all other models, thermostat closes at less than 93°F (34°C) and opens circuit at about 109°F (43°C). Circuit breakers built into heaters close at less than 86°F (30°C) and opens at greater than 122°F (50°C).

COMPONENT LOCATIONS

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Heated Seat Systems - 3.2CL, 3.2TL, 3.5RL & MDX

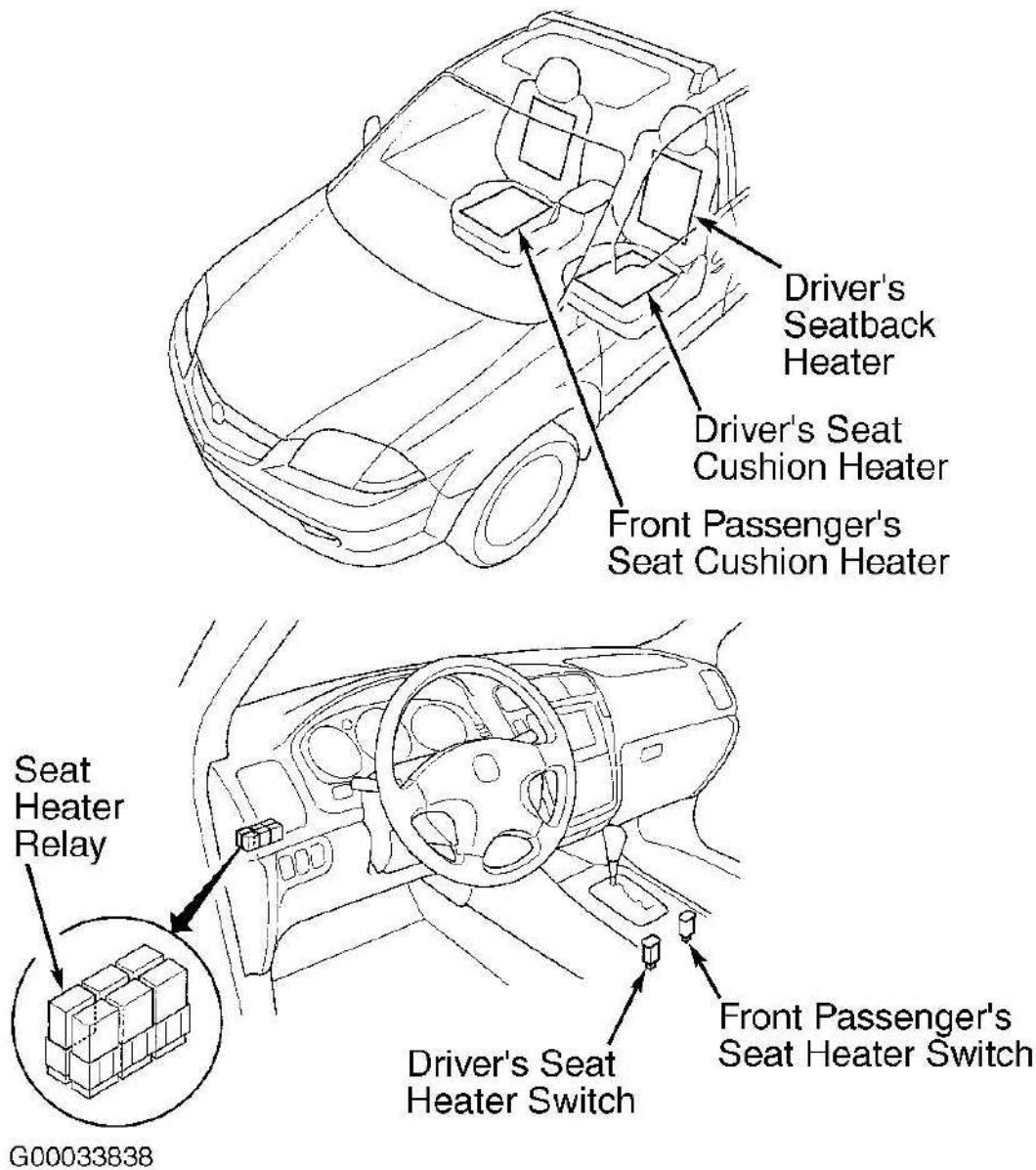
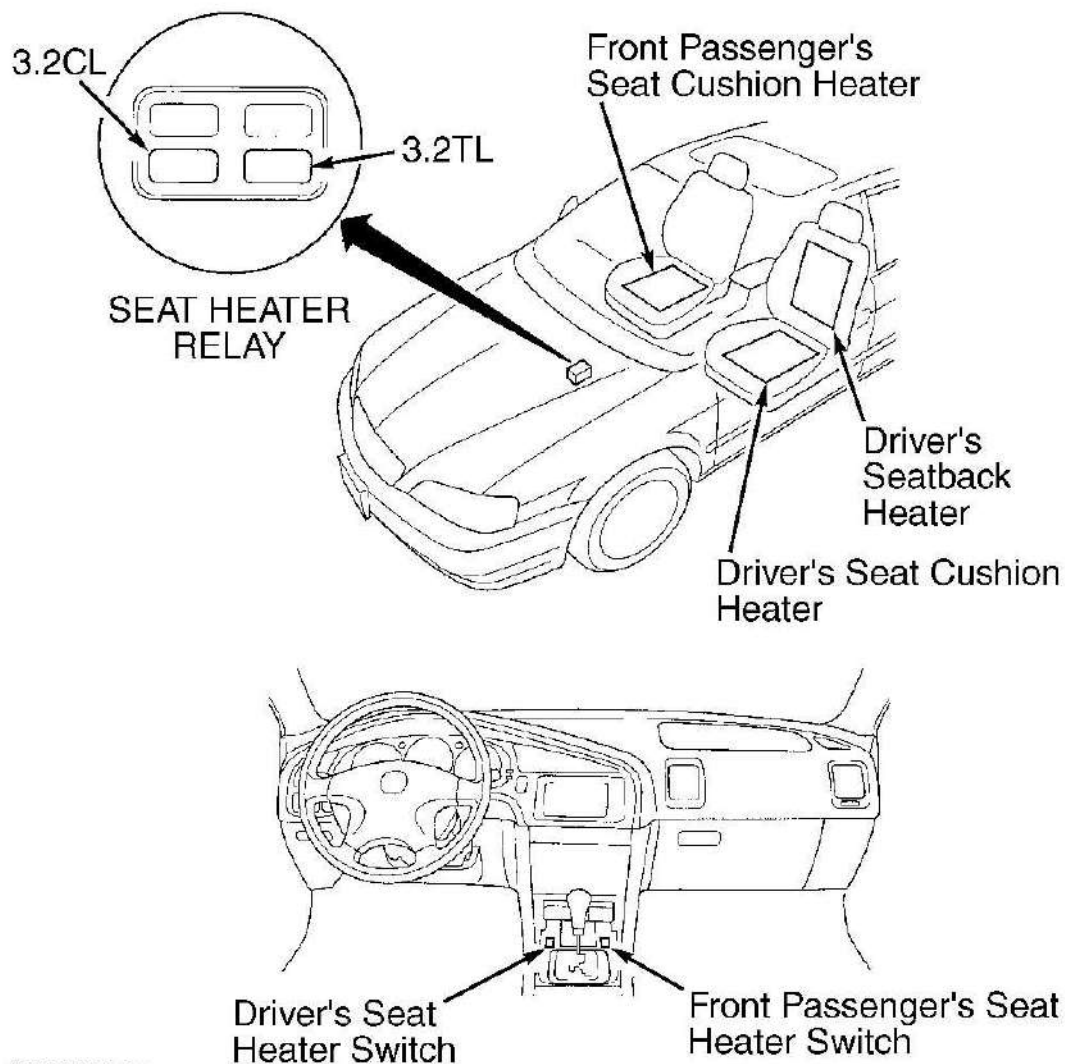


Fig. 1: Heated Seat System Component Locations (MDX)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Heated Seat Systems - 3.2CL, 3.2TL, 3.5RL & MDX



G00033837

Fig. 2: Heated Seat System Component Locations (3.2CL & 3.2TL)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

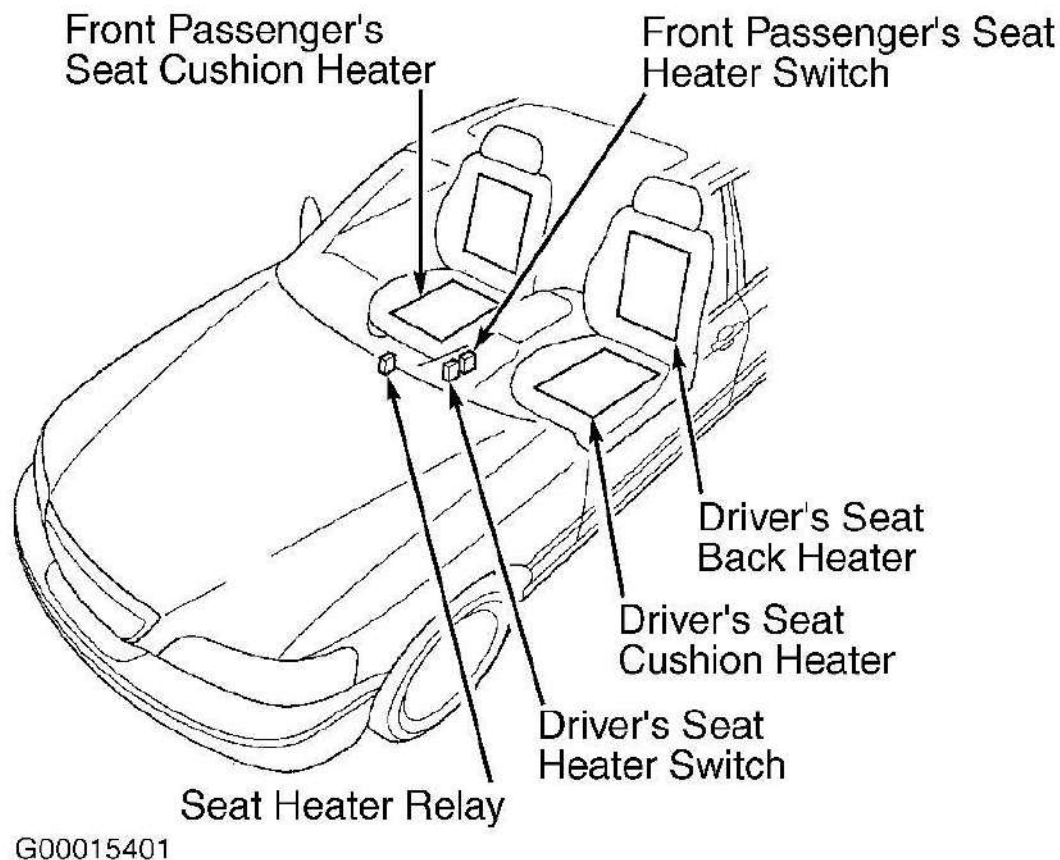


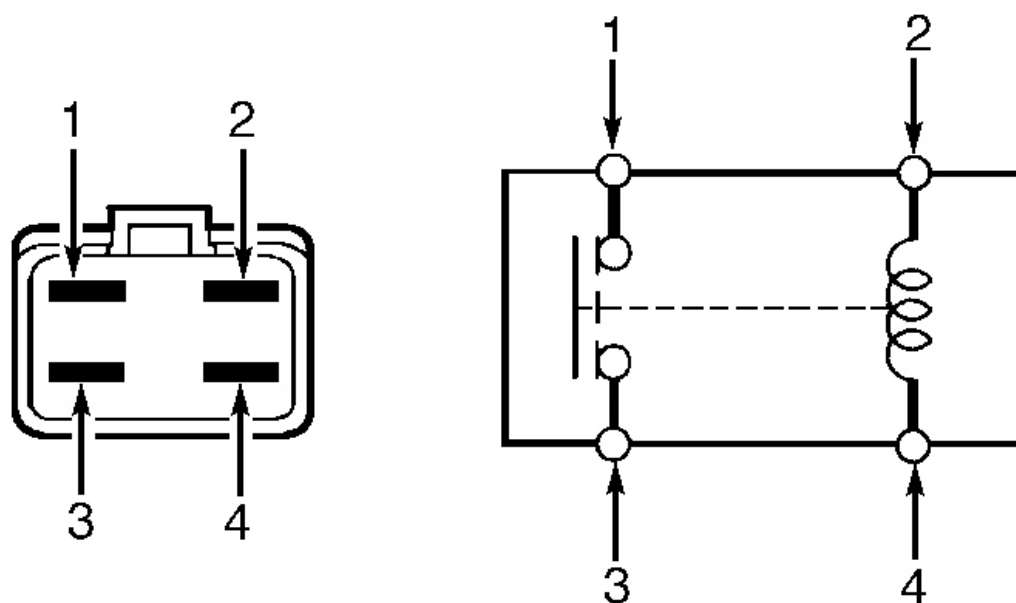
Fig. 3: Heated Seat System Component Locations (3.5RL)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

COMPONENT TESTS

SEAT HEATER RELAY

3.5RL

On 3.5RL, remove seat heater relay located below right side of steering column, forward and right of ignition switch and steering column tilt motor. See **Fig. 3**. Check continuity between terminals No. 1 and 3. See **Fig. 4**. Continuity should not exist. Using jumper wires, connect terminal No. 2 to battery voltage and terminal No. 4 to ground. If continuity does not exist between terminals No. 1 and 3, replace relay.



G98E04665

Fig. 4: Identifying Seat Heater Relay Terminals (3.5RL)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3.2CL, 3.2TL & MDX

On MDX, remove seat heater relay from underdash relay block located above driver's underdash fuse/relay box. See **Fig. 1**. On 3.2CL and 3.2TL, remove seat heater relay from underhood fuse/relay box. See **Fig. 2**. On all models, check for continuity between terminals No. 1 and 2. See **Fig. 5**. Continuity should not exist. Using jumper wires, connect terminal No. 3 to battery voltage and terminal No. 4 to ground. If continuity does not exist between terminals No. 1 and 2, replace relay.

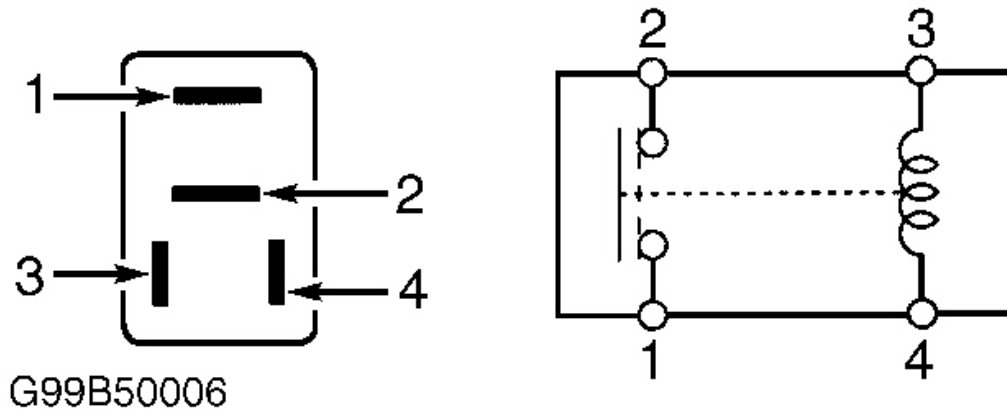


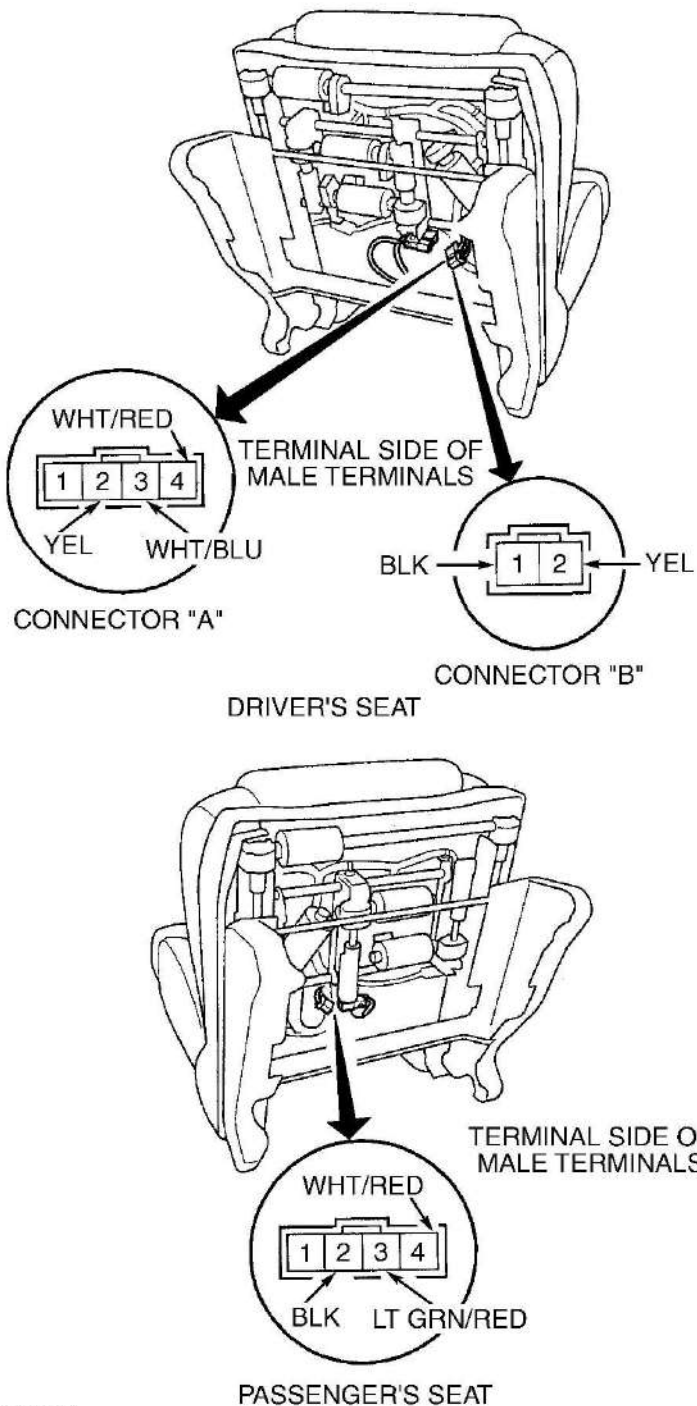
Fig. 5: Identifying Seat Heater Relay Terminals (3.2CL, 3.2TL & MDX)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

SEAT HEATING ELEMENTS

Remove seat to be tested. See **FRONT SEATS** under REMOVAL & INSTALLATION. Disconnect seat heating element connectors. Using an ohmmeter, verify continuity between terminals. See **SEAT HEATING ELEMENT CONTINUITY** table. See **Fig. 6 -Fig. 9** . Continuity should exist. If continuity does not exist, replace seat heating element.

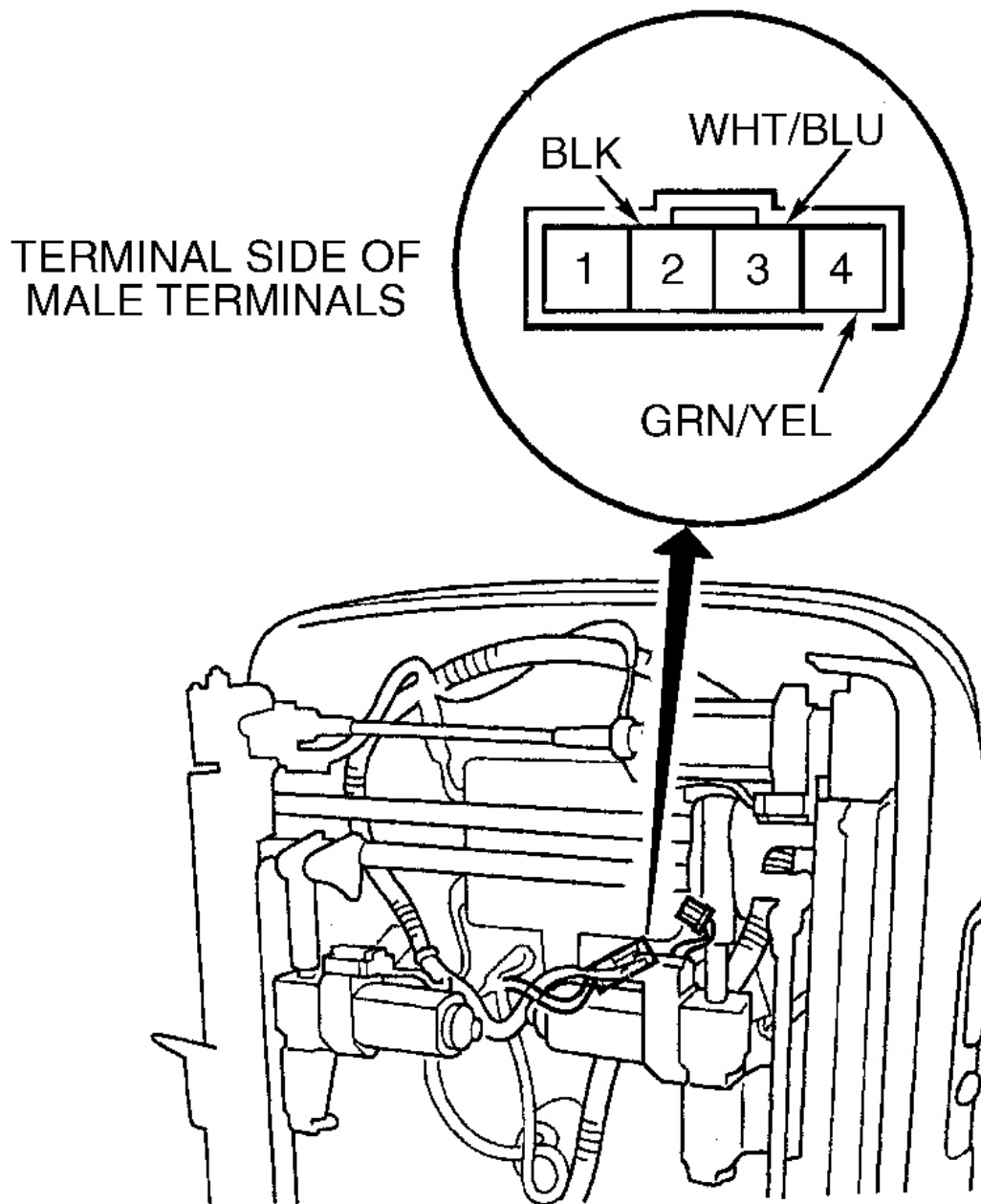
SEAT HEATING ELEMENT CONTINUITY

Application/Connector	Terminal No. (Wire Color)
MDX	
Driver's Seat	
Seat Cushion	2 (YEL) & 3 (WHT/BLU); 3 (WHT/BLU) & 4 (WHT/RED)
Seat Back	1 (YEL) & 2 (BLK)
Passenger's Seat	
	2 (BLK) & 3 (LT GRN/BLU); 3 (LT GRN/BLU) & 4 (LT GRN/RED)
3.2CL (Both Seats)	2 (BLK) & 4 (GRN/YEL); 3 (WHT/BLU) & 4 (GRN/YEL)
3.2TL (Both Seats)	2 (BLK) & 3 (WHT/BLU); 2 (BLK) & 4 (GRN/YEL)
3.5RL	
Driver's Seat	1 (YEL) & 4 (GRN); 3 (BLU) & 4 (GRN)
Passenger's Seat	1 (BLK) & 4 (GRN); 3 (BLU) & 4 (GRN)



G00033841

Fig. 6: Identifying Seat Heating Element Connector Terminals (MDX)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.



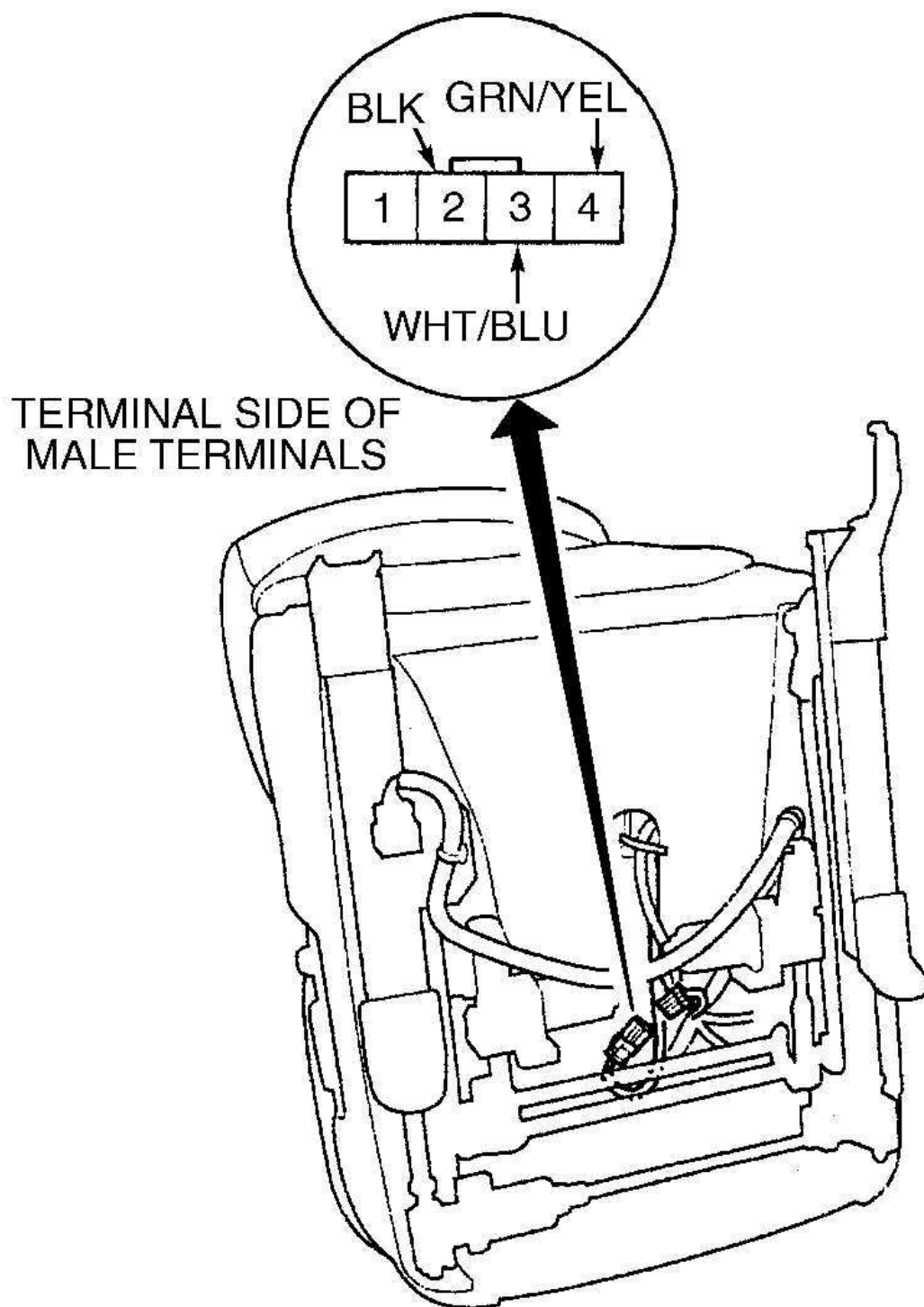
G00033839

Fig. 7: Identifying Seat Heating Element Connector Terminals (3.2CL - Driver's Side Shown; Passenger's Side Is Similar)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

2002 Acura MDX

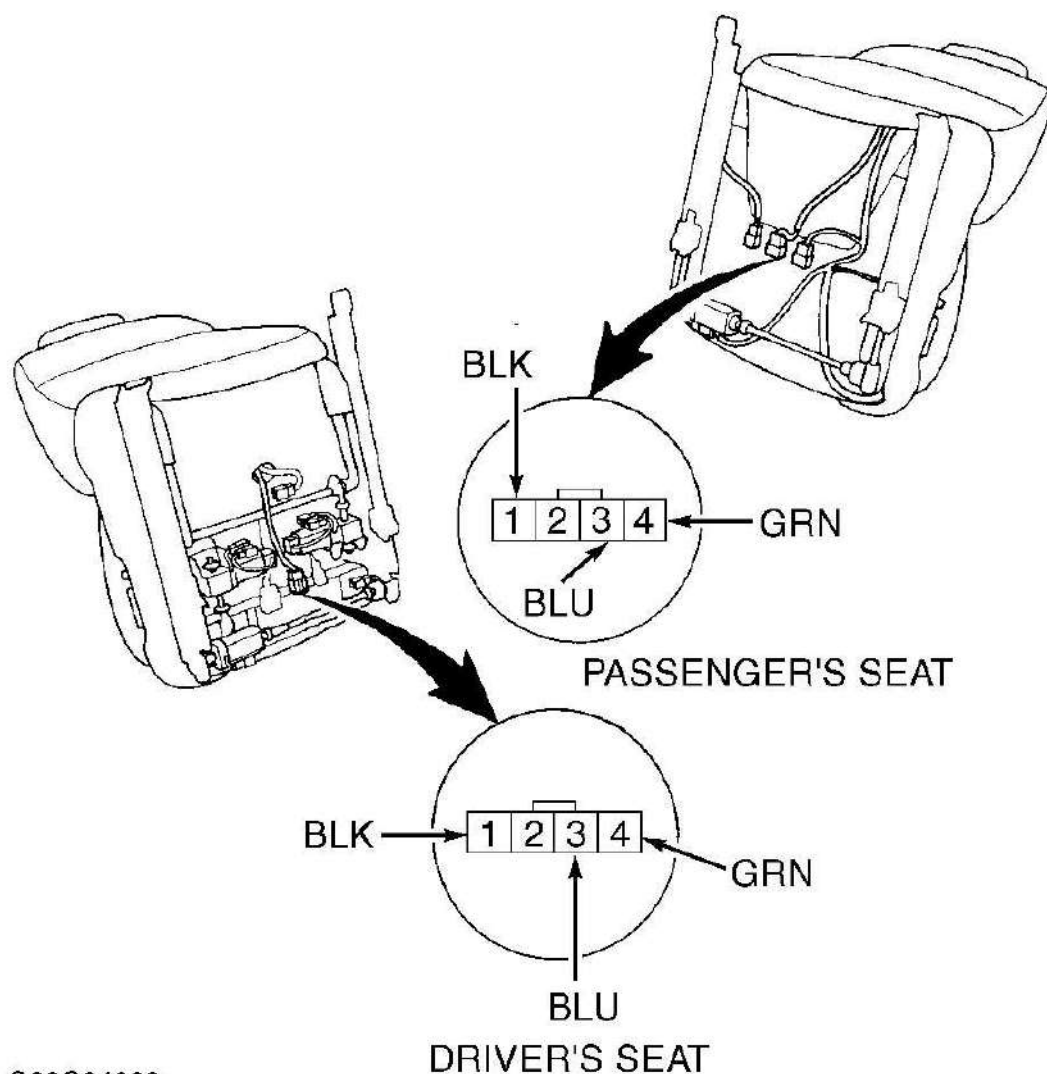
2001 ACCESSORIES & EQUIPMENT Heated Seat Systems - 3.2CL, 3.2TL, 3.5RL & MDX



G00033840

Fig. 8: Identifying Seat Heating Element Connector Terminals (3.2TL - Driver's Side Shown; Passenger's Side Is Similar)

Courtesy of AMERICAN HONDA MOTOR CO., INC.



G98C04669

Fig. 9: Identifying Seat Heating Element Connector Terminals (3.5RL)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

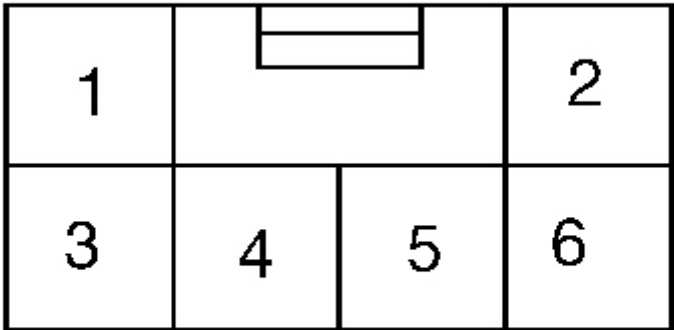
SEAT HEATER SWITCH

Remove heater switch from console. See **SEAT HEATER SWITCHES** under REMOVAL & INSTALLATION. Using ohmmeter, verify continuity between terminals in each switch position. See **SEAT HEATER SWITCH CONTINUITY** table. See **Fig. 10** . If continuity does not exist as specified, replace

heater switch.

SEAT HEATER SWITCH CONTINUITY

Position	Continuity Between Terminals No.
Off	(1)
High (2)	
3.2CL, 3.2TL & MDX	3 & 5; 4 & 6
3.5RL	4 & 5; 4 & 6
Low (2)	5 & 6
(1) Illumination bulbs are positioned between terminals No. 1 and 2. Replace illumination bulb and retest before replacing switch.	
(2) Activation bulbs are positioned between terminals No. 3 and 6. Replace bulb and retest before replacing switch.	



G99F50109

Fig. 10: Identifying Seat Heater Switch Terminals
Courtesy of AMERICAN HONDA MOTOR CO., INC.

REMOVAL & INSTALLATION

WARNING: Vehicles are equipped with air bag supplemental restraint system. Before attempting ANY repairs involving steering column, instrument panel or related components, see SERVICE PRECAUTIONS and DISABLING & ACTIVATING AIR BAG SYSTEM in appropriate AIR BAG RESTRAINT SYSTEM article in RESTRAINTS.

CAUTION: When battery is disconnected, vehicle computer and memory systems may lose memory data. Driveability problems may exist until computer systems have completed a relearn cycle. See appropriate **COMPUTER RELEARN PROCEDURES** article in **GENERAL INFORMATION** before disconnecting battery.

FRONT SEATS

Removal & Installation

On MDX, gently pry front and rear riser covers from seat frame. On all other models, remove front and rear seat track covers. On all models, remove seat retaining bolts. Disconnect wiring harness connectors. Remove headrest if necessary. Remove seat from vehicle. To install, reverse removal procedure.

SEAT HEATING ELEMENTS

Removal and installation procedures are not available from manufacturer. For additional information, see appropriate **POWER SEATS** article.

SEAT HEATER SWITCH

Removal & Installation (3.2CL)

1. Remove driver's and passenger's front console trims by detaching 5 clips on each side, pulling the bottom edge upwards and pulling the vertical edge towards rear of vehicle. Remove rear console by removing rear console mat and 4 screws. Disconnect accessory socket connector.
2. Remove dashboard side cover by pulling out the bottom and prying the rear edge portions to detach 3 clips, then release the hook. Remove dashboard lower cover by removing 1 screw and gently pull down to release the right clip, then detach the remaining 4 clips.
3. Remove driver's and passenger's front console covers by removing 7 screws, pulling covers outward to detach rear clips and pulling trim back to detach front clips. Remove shift indicator trim ring.
4. Remove console panel tray by prying on the seat heater switches with a taped tip screwdriver to detach clips, pulling out the switches and disconnecting connectors. Gently pull out console panel tray to release the hooks and tabs. To install, reverse removal procedure

Removal & Installation (3.2TL)

1. Remove driver's and passenger's front console trims by detaching 5 clips on each side, pulling the bottom edge upwards and pulling the vertical edge towards rear of vehicle. Remove rear console by removing rear console mat and 4 screws. Disconnect accessory socket connector.
2. Remove dashboard lower cover by removing 1 screw and gently pull down to release the right clip, then detach the remaining 4 clips. Disconnect the panel brightness controller connector and remove the cover.
3. Remove driver's and passenger's front console covers by removing 7 screws, pulling covers outward to detach rear clips and pulling trim back to detach front clips. Remove shift indicator trim ring.
4. Remove console panel tray by prying on the seat heater switches with a taped tip screwdriver to detach

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Heated Seat Systems - 3.2CL, 3.2TL, 3.5RL & MDX

clips, pulling out the switches and disconnecting connectors. Gently pull out console panel tray to release the hooks and tabs. To install, reverse removal procedure.

Removal & Installation (3.5RL)

Remove the A/T gear position indicator trim by detaching 4 clips. Disconnect the connectors from the switches and remove the switch from the A/T gear position indicator trim. To install, reverse removal procedure.

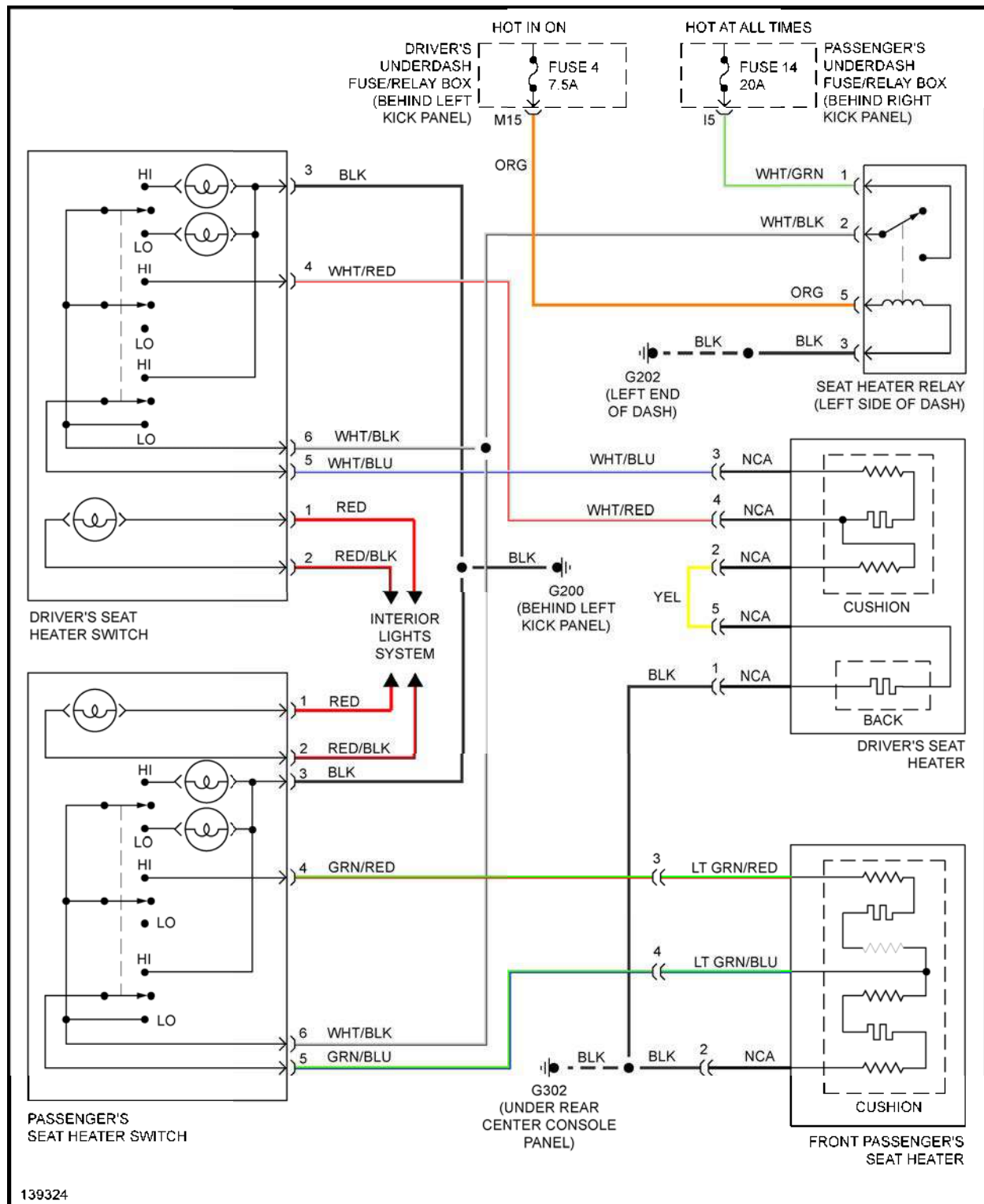
Removal & Installation (MDX)

Remove center panel lower trim by detaching 4 clips by hand. Remove beverage holder by pulling upward to detach 2 clips. Remove shift indicator trim ring. Remove the console panel by gently detaching 7 clips. Disconnect the connectors from the seat heater switches and remove switches. To install, reverse removal procedure.

WIRING DIAGRAMS

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Heated Seat Systems - 3.2CL, 3.2TL, 3.5RL & MDX

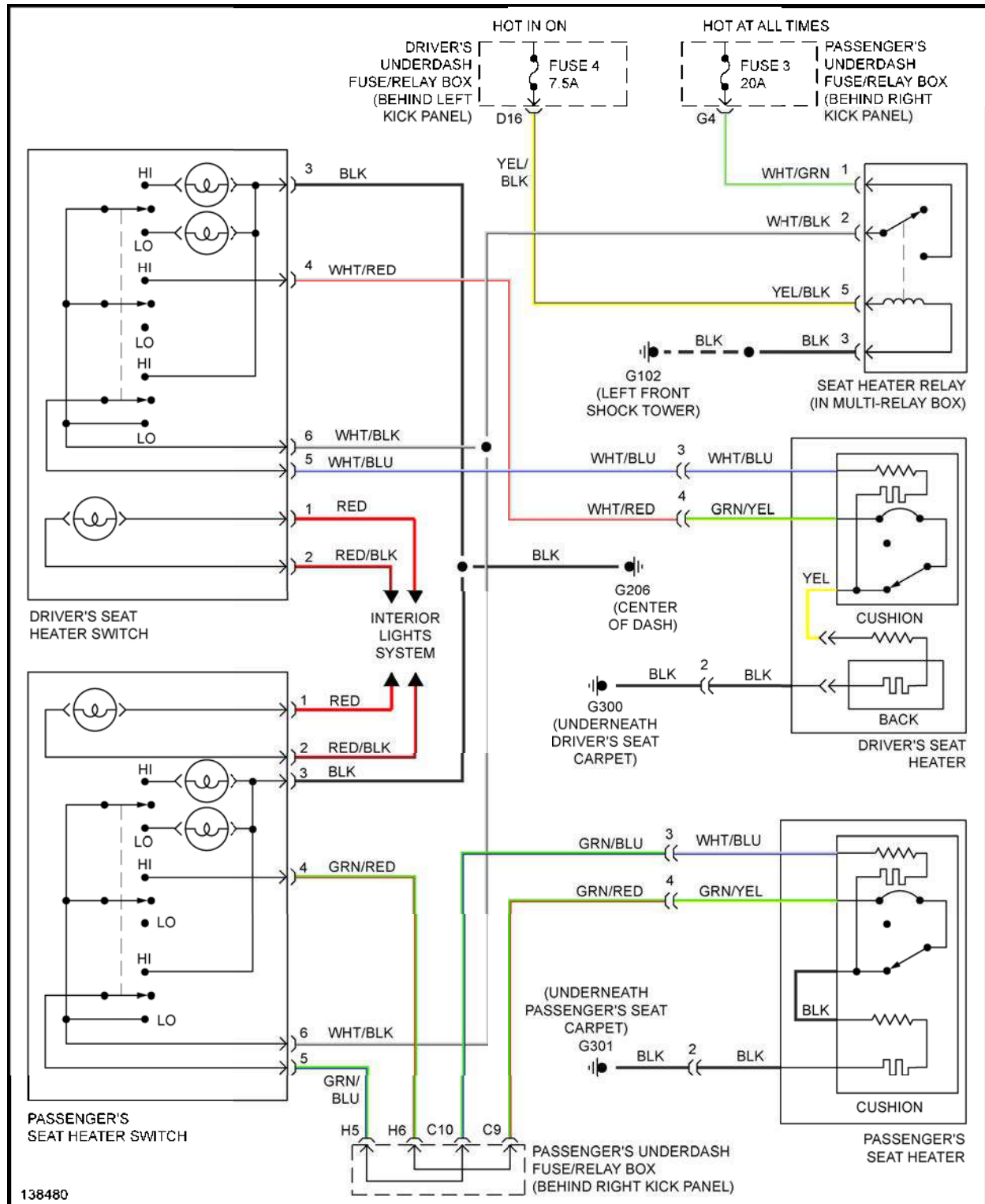


2002 Acura MDX
2001 ACCESSORIES & EQUIPMENT Heated Seat Systems - 3.2CL, 3.2TL, 3.5RL & MDX

Fig. 11: Heated Seat System Wiring Diagram (MDX)

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Heated Seat Systems - 3.2CL, 3.2TL, 3.5RL & MDX

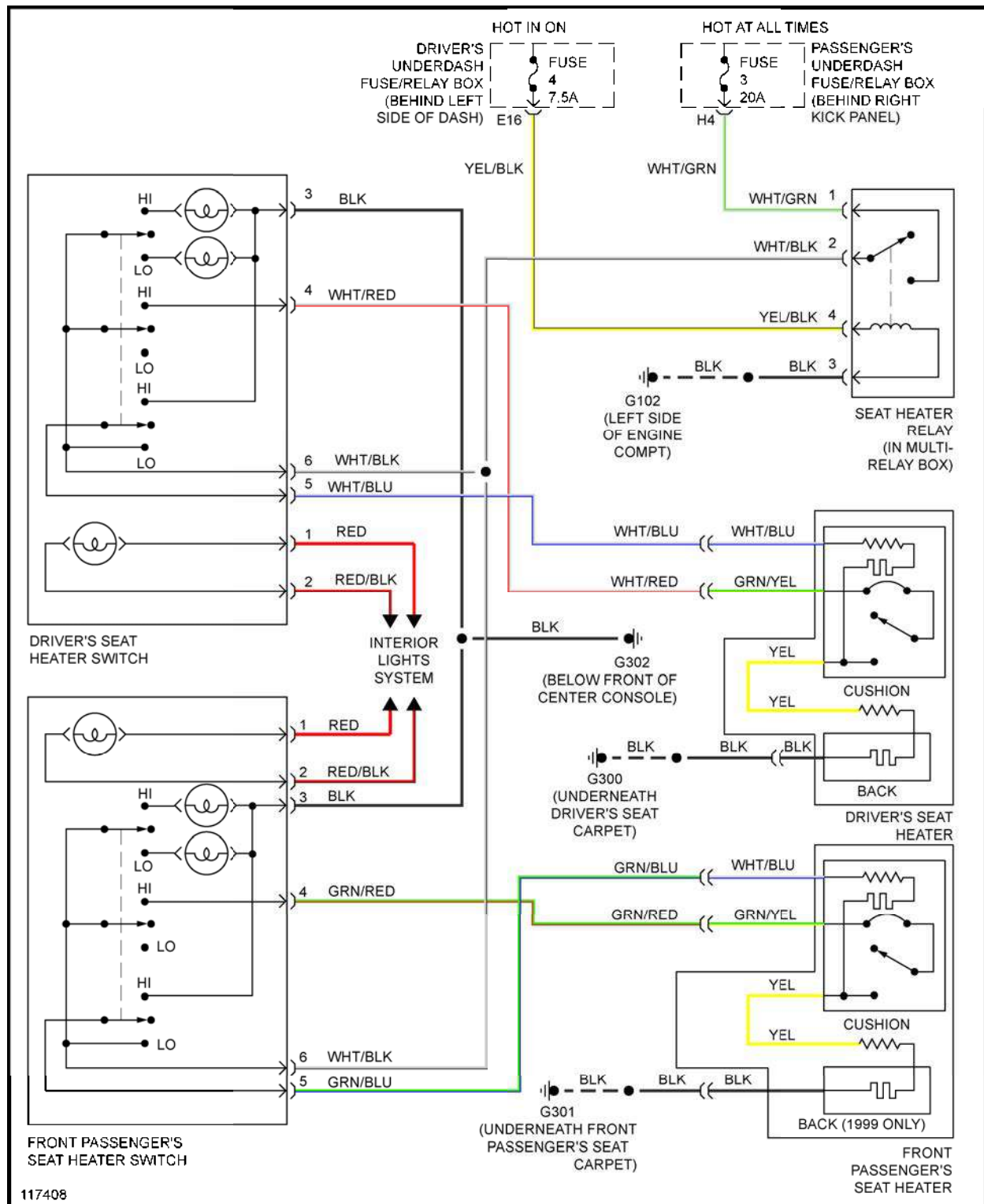


2002 Acura MDX
2001 ACCESSORIES & EQUIPMENT Heated Seat Systems - 3.2CL, 3.2TL, 3.5RL & MDX

Fig. 12: Heated Seat System Wiring Diagram (3.2CL)

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Heated Seat Systems - 3.2CL, 3.2TL, 3.5RL & MDX

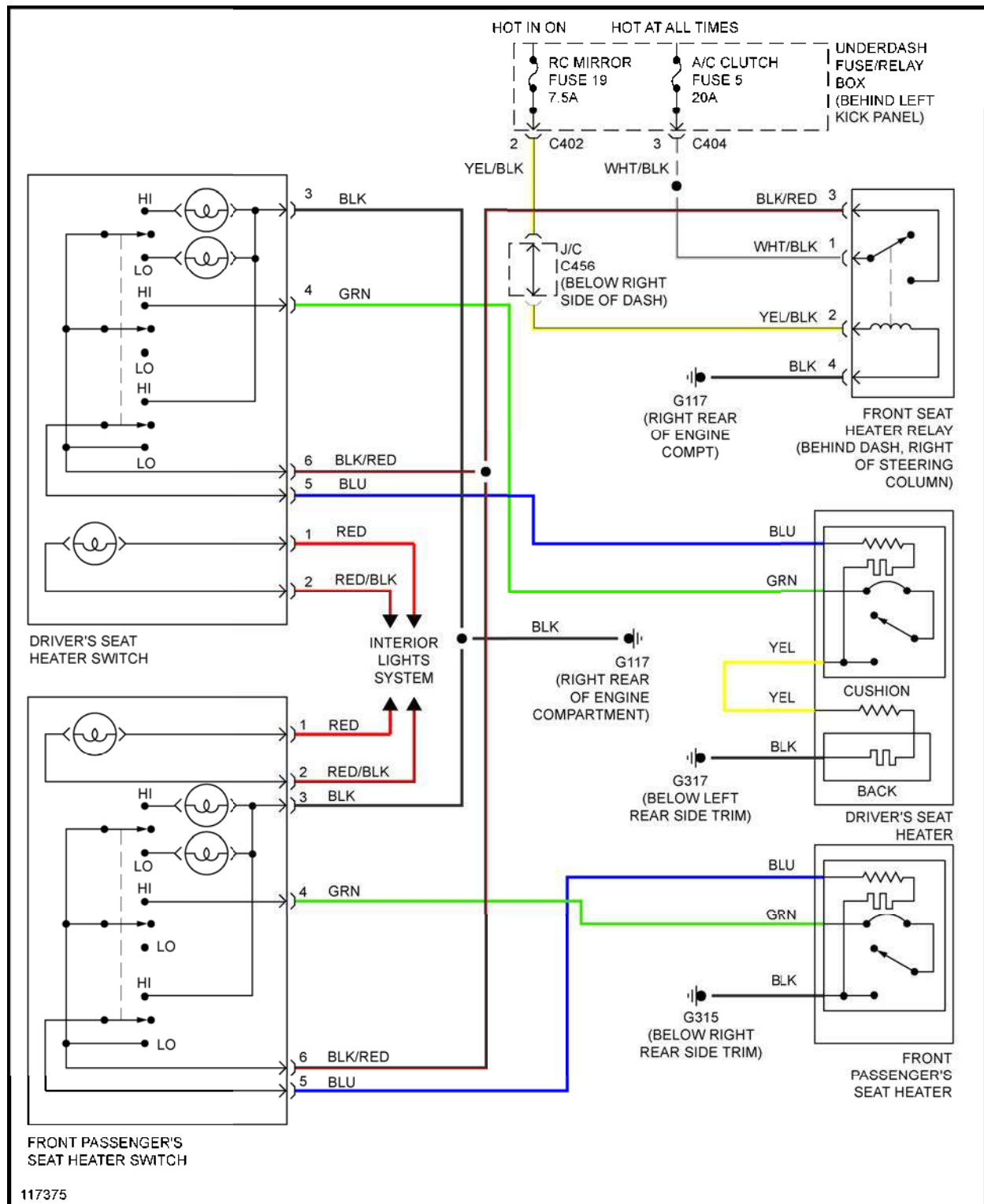


2002 Acura MDX
2001 ACCESSORIES & EQUIPMENT Heated Seat Systems - 3.2CL, 3.2TL, 3.5RL & MDX

Fig. 13: Heated Seat System Wiring Diagram (3.2TL)

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Heated Seat Systems - 3.2CL, 3.2TL, 3.5RL & MDX



2002 Acura MDX
2001 ACCESSORIES & EQUIPMENT Heated Seat Systems - 3.2CL, 3.2TL, 3.5RL & MDX

Fig. 14: Heated Seat System Wiring Diagram (3.5RL)