

2001 ACCESSORIES & EQUIPMENT

Rear Window & Mirror Defoggers

DESCRIPTION & OPERATION

WARNING: Deactivate air bag system before performing any service operation. See appropriate **AIR BAG RESTRAINT SYSTEMS** article. **DO NOT** apply electrical power to any component on steering column without first deactivating air bag system. Air bag may deploy.

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.

Rear window defogger system consists of heating wire grid bonded to the inside of rear window, dash-mounted control switch, power relay, and rear window defogger timer. Rear window defogger timers vary between models.

On Integra, the Integrated Control Unit (ICU) is used to control heating wire grid. The ICU supplies power to heating wire grid for 20-30 minutes, or until ignition is turned off.

On MDX, 3.2CL, and 3.2TL the Climate Control Unit (CCU) is used to control heating wire grid. The CCU supplies power to heating wire grid for about 15 minutes, or until ignition switch is turned to lock position, or rear window defogger switch is turned off.

On 3.5RL, the Passenger Multiplex Control Unit (PMCU) is used to control heating wire grid. The PMCU supplies power to heating wire grid for about 20-30 minutes, or until ignition is turned off.

All models except Integra are equipped with outside mirror defoggers. Mirror defoggers are controlled by mirror/defogger switch located on driver's door panel or instrument panel.

COMPONENT LOCATIONS

COMPONENT LOCATIONS

Component	Location
Driver Multiplex Control Unit (3.5RL)	Behind Left Kick Panel
Integrated Control Unit (Integra)	In Underdash Fuse/Relay Box, Above Left Kick Panel
Passenger Multiplex Control Unit (3.5RL)	Behind Right Kick Panel
Passenger's Underdash Fuse/Relay Box (MDX, 3.2CL & 3.2TL)	Behind Right Kick Panel

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

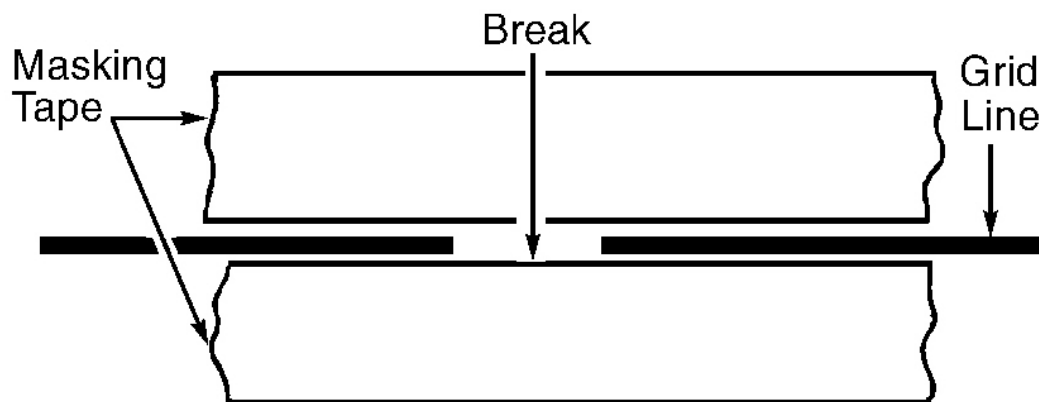
Rear Window Antenna Coil (3.2CL & 3.2TL)	Under Rear Package Shelf
Rear Window Defogger Coil (3.5RL)	In Right Rear Corner Of Trunk
Rear Window Defogger Relay (Integra)	In Underdash Fuse/Relay Box
Rear Window Defogger Relay (MDX, 3.2CL & 3.2TL)	In Passenger's Underdash Fuse/Relay Box
Rear Window Defogger Relay (3.5RL)	In Underhood Relay Box "A"
Underhood Fuse/Relay Box (Integra)	Right Rear Of Engine Compartment
Underdash Fuse/Relay Box (Integra)	Above Left Kick Panel
Underhood Relay Box "A" (3.5RL)	Left Front Corner Of Engine Compartment

ON-VEHICLE SERVICE

GRID FILAMENT REPAIR

NOTE: For repair to be effective, broken section must not be longer than 1" (25 mm).

1. Rub area around break with fine steel wool. Clean area with alcohol. Carefully mask area above and below broken portion with masking tape. See **Fig. 1**.
2. Using small brush, apply heavy coat of thoroughly-mixed silver conductive paint, extending 1/8" (3 mm) on both sides of break. Allow 30 minutes to dry.
3. Check for proper operation. See **GRID FILAMENT** under COMPONENT TESTS. Apply second coat of silver conductive paint. Allow 3 hours to dry. Remove tape.



G92A01033

Fig. 1: Repairing Grid Wire

Courtesy of AMERICAN HONDA MOTOR CO., INC.

TROUBLE SHOOTING

NOTE: Trouble shooting information for all models other than Integra is not available from manufacturer.

INTEGRA

Operation Time Too Long Or Too Short

Check rear window defogger circuit input for timer at Integrated Control Unit (ICU). See BODY COMPUTER SYSTEMS - INTEGRA article.

Rear Window Defogger Inoperative, Indicator Light Inoperative

Check fuse No. 16 (7.5-amp) in underdash fuse/relay box. Test rear window defogger switch. See **REAR WINDOW DEFOGGER SWITCH** under COMPONENT TESTS. Check rear window defogger circuit input for timer at Integrated Control Unit (ICU). See BODY COMPUTER SYSTEMS - INTEGRA article. Check ground connector G201 or G401. Ground connector G201 is lower ground connector located at right front corner of engine compartment. Ground connector G401 is located above left kick panel, below fuse/relay box. Check for short, open or poor connection in Yellow wire or Blue/Yellow wire between rear window defogger switch and ICU. Also check for short, open or poor connection in Black/Blue wire between fuse No. 16 (7.5-amp) and rear window defogger switch. See **WIRING DIAGRAMS**.

Rear Window Defogger Operative, Indicator Light Inoperative

Check for a blown rear window defogger switch indicator bulb. Replace rear window defogger switch indicator bulb as necessary. See **REAR WINDOW DEFOGGER SWITCH** under REMOVAL & INSTALLATION. Check for open circuit or poor connection in Blue/Yellow wire between rear window defogger switch and ICU. Also check for short, open or poor connection in Black/Blue wire between fuse No. 16 (7.5-amp) and rear window defogger switch. See **WIRING DIAGRAMS**.

Rear Window Defogger Inoperative, Indicator Light Operative

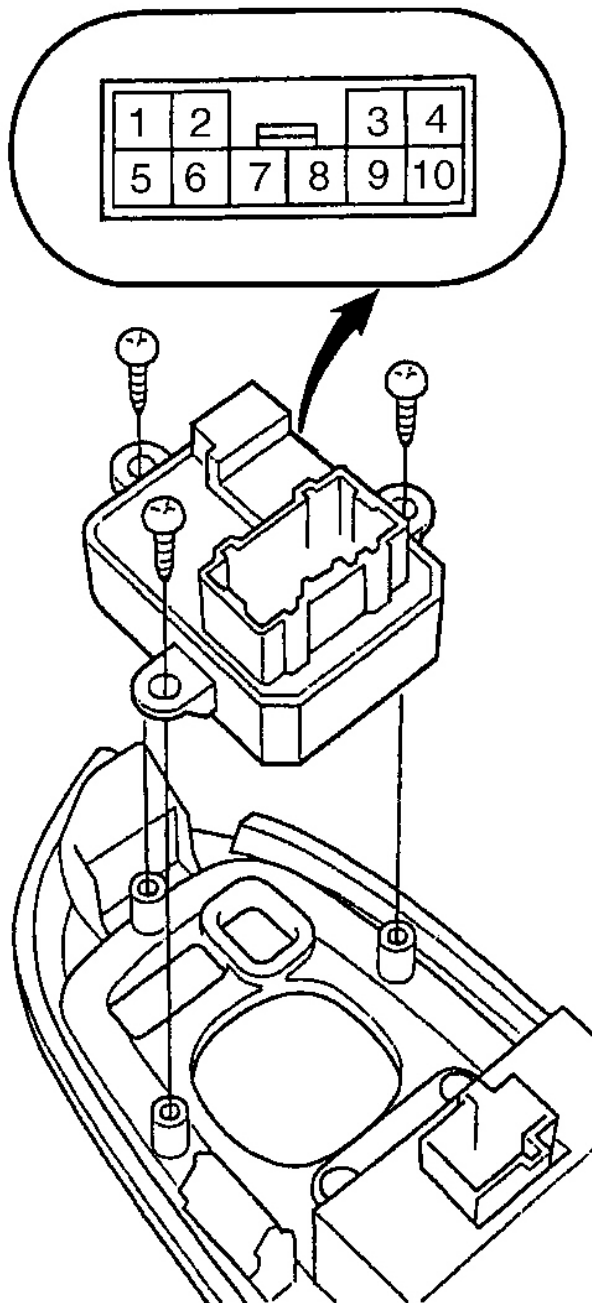
Check fuse No. 50 (30-amp) in underhood fuse/relay box. Test rear window defogger relay. See **REAR WINDOW DEFOGGER RELAY** under COMPONENT TESTS. Test rear window defogger switch. See **REAR WINDOW DEFOGGER SWITCH** under COMPONENT TESTS. Perform rear window defogger system test. See **REAR WINDOW DEFOGGER** under SYSTEM TESTS. Check for short, open or poor connection in wire circuit between rear window defogger relay and rear window defogger. Check for short, open or poor connection in Blue/Yellow wire between rear window defogger switch and ICU. Check for short, open or poor connection in Black/Blue wire between fuse No. 16 (7.5-amp) and rear window defogger switch. See **WIRING DIAGRAMS**. On sedan models, check ground connector G503. Ground connector G503 is located at center of rear shelf. On hatchback models, check ground connector G771. Ground connector G771 is located at left side of hatch.

SYSTEM TESTS

MIRROR DEFOGGER

MDX, 3.2CL & 3.2TL

1. Remove driver's door panel. See **DOOR PANEL** under REMOVAL & INSTALLATION. Disconnect 10-pin connector from driver's power mirror/defogger switch. Using DVOM, check voltage between 10-pin harness connector terminal No. 3 (Orange wire on MDX, Yellow/Black wire on 3.2CL and 3.2TL) and ground. See **Fig. 2 -Fig. 3** . If battery voltage exists, go to next step. If battery voltage does not exist, check for blown fuse No. 4 (7.5-amp) in driver's underdash fuse/relay box. If fuse is okay, check for open or short circuit in Yellow/Black wire between driver's underdash fuse/relay box and power mirror switch. Repair as necessary.
2. Connect a fused jumper wire between 10-pin harness connector terminals No. 3 (Orange wire on MDX, Yellow/Black wire on 3.2CL and 3.2TL) and terminal No. 6 (Orange/White wire). See **Fig. 2 -Fig. 3** . Turn ignition switch to ON position. If both mirrors heat up, check power mirror/defogger switch. See **MIRROR DEFOGGER SWITCH** under COMPONENT TESTS. If neither mirror heats up, check for open circuit in Orange/White wire between power mirror switch and wire splice. See **WIRING DIAGRAMS** . If only passenger's side mirror defogger does not heat up, go to next step. If only driver's side mirror defogger does not heat up, go to step 4 .
3. Check for open circuit in Orange/White wire between wire splice, driver's underdash fuse/relay box, passenger's underdash fuse/relay box and passenger's side power mirror defogger. Check for open circuit in Black wire between passenger's defogger harness connector and ground. See **WIRING DIAGRAMS** . Repair as necessary. If wiring is okay, check mirror defogger. See **MIRROR DEFOGGER** under COMPONENT TESTS.
4. Check for open circuit in Orange/White wire between power mirror defogger and wire splice. Check for open circuit in Black wire between driver's defogger harness connector and ground. See **WIRING DIAGRAMS** . Repair as necessary. If wiring is okay, check mirror defogger. See **MIRROR DEFOGGER** under COMPONENT TESTS.



G00029390

Fig. 2: Identifying Power Mirror/Defogger Switch Terminals (MDX)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

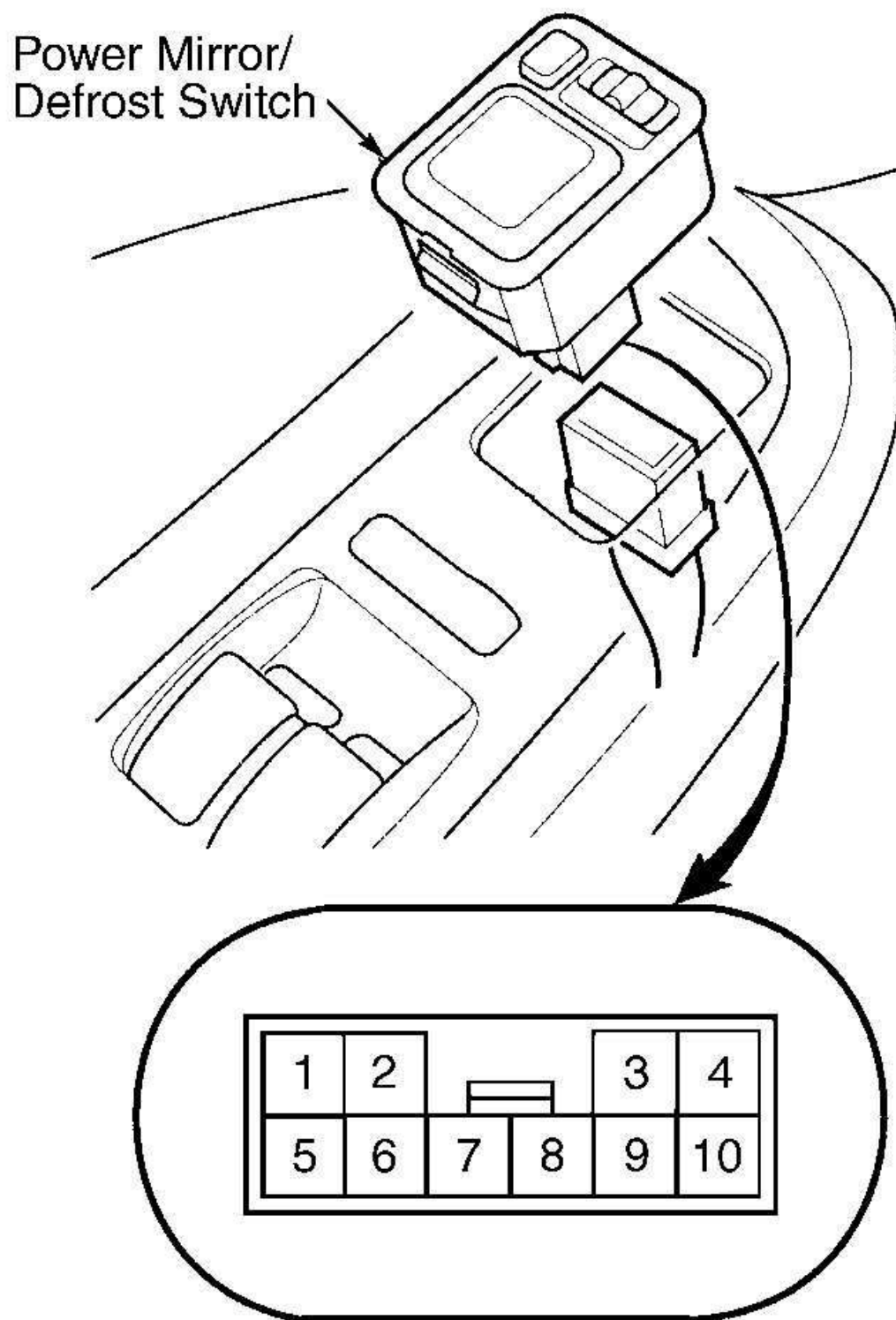


Fig. 3: Identifying Power Mirror/Defogger Switch Terminals (3.2CL & 3.2TL)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

3.5RL

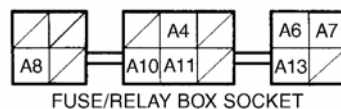
1. Remove driver's door panel. See **DOOR PANEL** under REMOVAL & INSTALLATION. Disconnect power mirror switch 2-pin connector. Using a fused jumper wire, connect 2-pin harness connector terminals. Turn ignition switch to ON position. Both mirrors should warm up.
2. If neither mirror warms up, check gauge relay in underhood fuse/relay box. See **GAUGE RELAY** under COMPONENT TESTS. Check for open in White/Red or Blue/Red wires between mirror switch, gauge relay and mirror defoggers. Also check for poor ground connections. See **WIRING DIAGRAMS** . If only one mirror fails to heat up, test defogger. See **MIRROR DEFOGGER** under COMPONENT TESTS. If both mirrors warm up, test defogger switch. See **MIRROR DEFOGGER SWITCH** under COMPONENT TESTS.

MULTIPLEX CONTROL UNIT (3.5RL)

NOTE: Before attempting following diagnostics, ensure multiplex control system is operating properly. See appropriate **MULTIPLEX CONTROL SYSTEMS** article.

Driver's Multiplex Control Unit

Remove driver's underdash fuse/relay box and remove driver's multiplex control unit. See **UNDERDASH FUSE/RELAY BOX** under REMOVAL & INSTALLATION. Check connector and terminals for damage, corrosion or improper contact. Repair as necessary. If connections are okay, perform driver's multiplex control unit input test. See **Fig. 4** . If all input tests are okay, substitute known-good driver's multiplex control unit and retest system. If problem is fixed, replace original driver's multiplex control unit.



Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
A8	Fuse/relay box socket	Under all conditions	Check for continuity to ground: There should be continuity	• Poor ground (G401, G402 or G251) • An open in the wire
A13		Ignition switch ON (II)	Check for voltage to ground: There should be battery voltage.	• Blown No. 13 (7.5 A) fuse in the underdash fuse/relay box • An open in the wire

G00032381

Fig. 4: Driver's Multiplex Control Unit Input Test (3.5RL)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Passenger's Multiplex Control Unit)

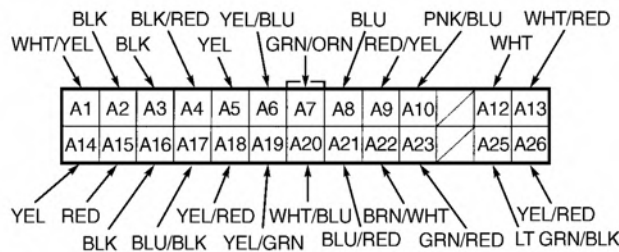
1. Remove right kick panel and disconnect passenger's multiplex control unit 22-pin connector "B" and 26-pin connector "A". Check connectors and terminals for damage, corrosion or improper contact. Repair as

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

necessary. If connections are okay, perform passenger's multiplex control unit input test "A". See **Fig. 5**.

2. Reconnect passenger's multiplex control unit connectors. Perform passenger's multiplex control unit input test "B" at back of passenger's multiplex control unit connector (backprobe). See **Fig. 5**. Repair as necessary. If all input tests are okay, substitute known-good passenger's multiplex control unit and retest system. If problem is fixed, replace original passenger's multiplex control unit.



Disconnect the connectors from the unit.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
A2 A3	BLK	Under all conditions	Check for continuity to ground: There should be continuity	• Poor ground (G401, G402) • An open in the wire
A14	YEL	Ignition switch ON (II)	Check for voltage to ground: There should be battery voltage.	• Blown No. 13 (7.5 A) fuse in the under-dash fuse/relay box • An open in the wire
A19	YEL/GRN	Ignition switch at START (III) and rear window defogger switch ON	Check for voltage to ground: There should be battery voltage.	• Blown No. 19 (7.5 A) fuse in the under-dash fuse/relay box • Faulty rear window defogger relay • Faulty indicator light • An open in the wire

Reconnect the connectors to the unit.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
A6	YEL/BLU	Ignition switch ON (II) and rear window defogger switch ON	Check for voltage to ground: There should be less than 1 V.	• Faulty rear window defogger switch • Poor ground (G401, G402) • An open in the wire

G98H04817

Fig. 5: Passenger's Multiplex Control Unit Input Test (3.5RL)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

REAR WINDOW DEFOGGER

Integra

1. Turn ignition switch to ON position. Turn rear window defogger switch to ON position. Using a DVOM, check for voltage between body ground and positive terminal of rear window defogger. See **Fig. 6**. If battery voltage exists, go to next step. If battery voltage does not exist, check for faulty rear window defogger relay. See **REAR WINDOW DEFOGGER RELAY** under COMPONENT TESTS. Check rear window defogger switch operation. See **REAR WINDOW DEFOGGER SWITCH** under COMPONENT TESTS. Check rear window defogger circuit input for timer at Integrated Control Unit (ICU). See BODY COMPUTER SYSTEMS - INTEGRA article. Also check for open in circuit in Black/Green wire between rear window defogger and rear window defogger relay. See **WIRING**

DIAGRAMS .

2. Turn rear window defogger switch to OFF position. Using a DVOM, check for continuity between body ground and ground side of rear window defogger. See **Fig. 6** . If continuity is indicated, check grid filament. See **GRID FILAMENT** under COMPONENT TESTS. If continuity is not indicated, check for open in Black wire between rear window defogger and ground connector G503 (sedan models) or G771 (hatchback models). Ground connector G503 is located at center of rear shelf. Ground connector G771 is located at left side of hatch.

MDX, 3.2CL & 3.2TL

1. Turn ignition switch to ON position. Turn rear window defogger switch to ON position. Using a DVOM, check for voltage between body ground and positive terminal of rear window defogger. See **Fig. 6** . If battery voltage exists, go to step 3 . If battery voltage does not exist, go to next step.
2. Check for faulty rear window defogger relay. See **REAR WINDOW DEFOGGER RELAY** under COMPONENT TESTS. On 3.2CL and 3.2TL, check window antenna coil operation. See **REAR WINDOW ANTENNA COIL** under COMPONENT TESTS. On all models, check for open in Black/Green wire between rear window defogger relay and rear window defogger. See **WIRING DIAGRAMS** . If no problems were found, substitute known-good climate control panel and retest system.
3. Turn rear window defogger switch to OFF position. Using a DVOM, on 3.2CL and 3.2TL, check for continuity between body ground and window antenna coil and between rear window defogger and window antenna coil. On MDX, check for continuity between ground and ground side of rear window defogger. See **Fig. 6** . On all models, if continuity is indicated, check grid filament. See **GRID FILAMENT** under COMPONENT TESTS. If continuity is not indicated, repair open circuit in Black wire between ground, window antenna coil (3.2CL and 3.2TL) and rear window defogger.

3.5RL

1. Turn ignition switch to ON position. Turn rear window defogger switch to ON position. Using a DVOM, check for voltage between body ground and positive terminal of rear window defogger. See **Fig. 6** . If battery voltage exists, go to next step. If battery voltage does not exist, check for faulty rear window defogger relay. See **REAR WINDOW DEFOGGER RELAY** under COMPONENT TESTS. Check rear window defogger switch operation. See **REAR WINDOW DEFOGGER SWITCH** under COMPONENT TESTS. Check rear window defogger coil operation. See **REAR WINDOW DEFOGGER COIL** under COMPONENT TESTS. Also check for open in Yellow/Blue wire between rear window defogger relay and rear window defogger. See **WIRING DIAGRAMS** .
2. Turn rear window defogger switch to OFF position. Using a DVOM, check for continuity between body ground and ground side of rear window defogger. See **Fig. 6** . If continuity is indicated, check grid filament operation. See **GRID FILAMENT** under COMPONENT TESTS. If continuity is not indicated, check for open in Black wire between rear window defogger coil and rear window defogger.

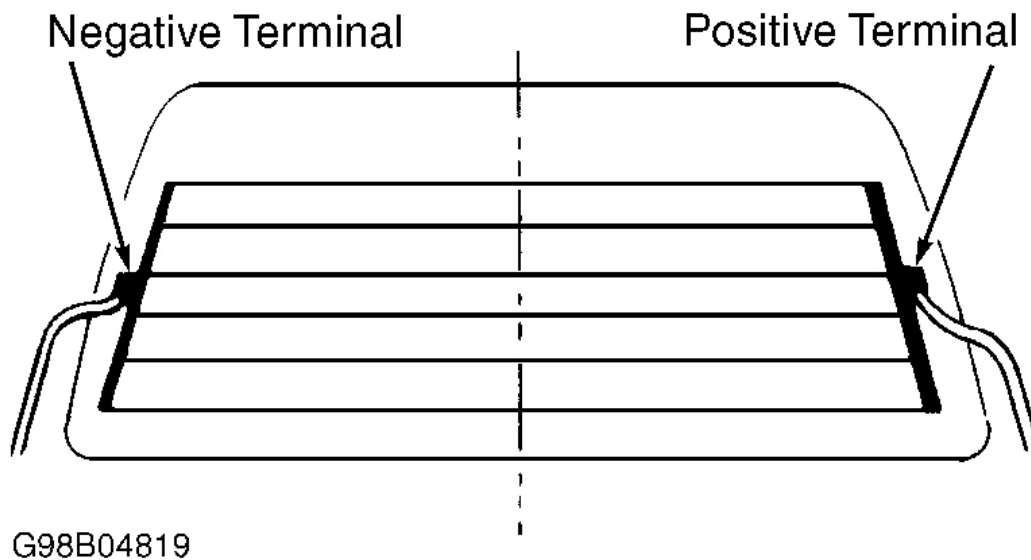


Fig. 6: Locating Negative & Positive Side Of Rear Window Defogger
Courtesy of AMERICAN HONDA MOTOR CO., INC.

COMPONENT TESTS

GAUGE RELAY

3.5RL

Remove gauge relay from underhood fuse/relay box. Check for continuity between terminals No. 1 and 2. See **Fig. 7** . Continuity should not exist. Check for continuity between terminals No. 2 and 4. Continuity should exist. Using jumper wires, connect terminals No. 3 and 5 to battery voltage and ground. Continuity should exist between terminals No. 1 and 2. If continuity is not as specified, replace relay.

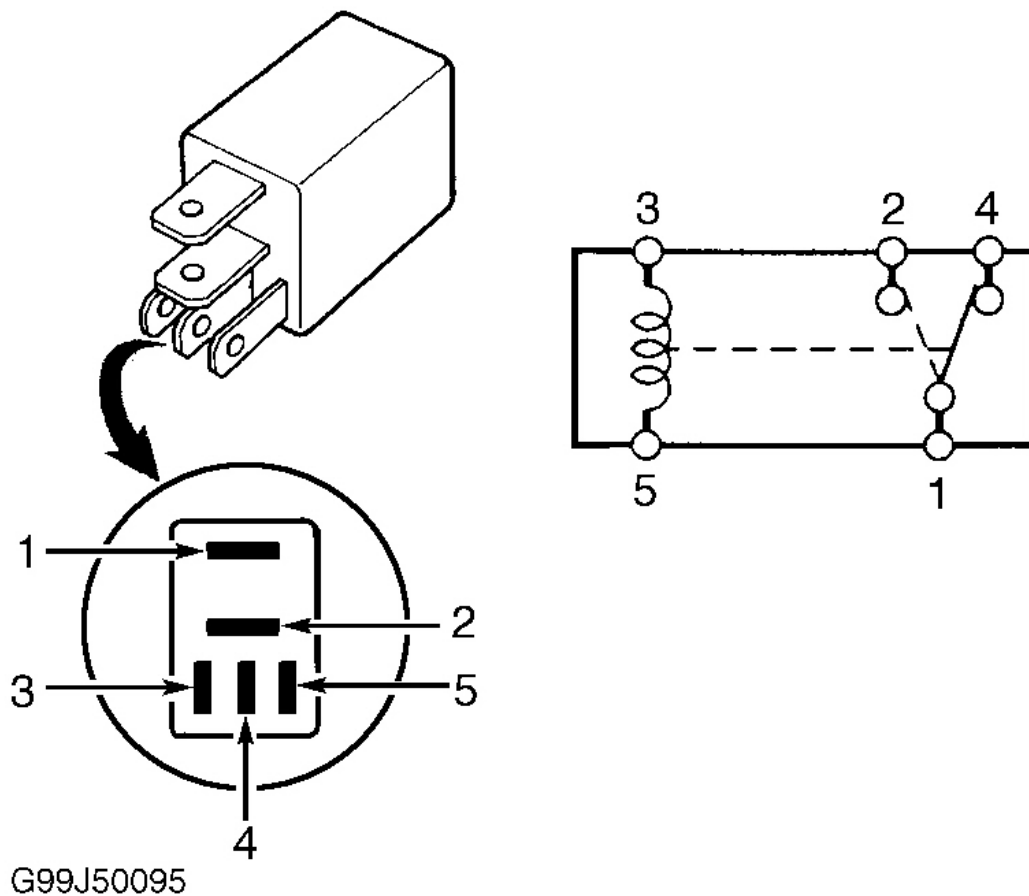


Fig. 7: Identifying Gauge Relay Terminals (3.5RL)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

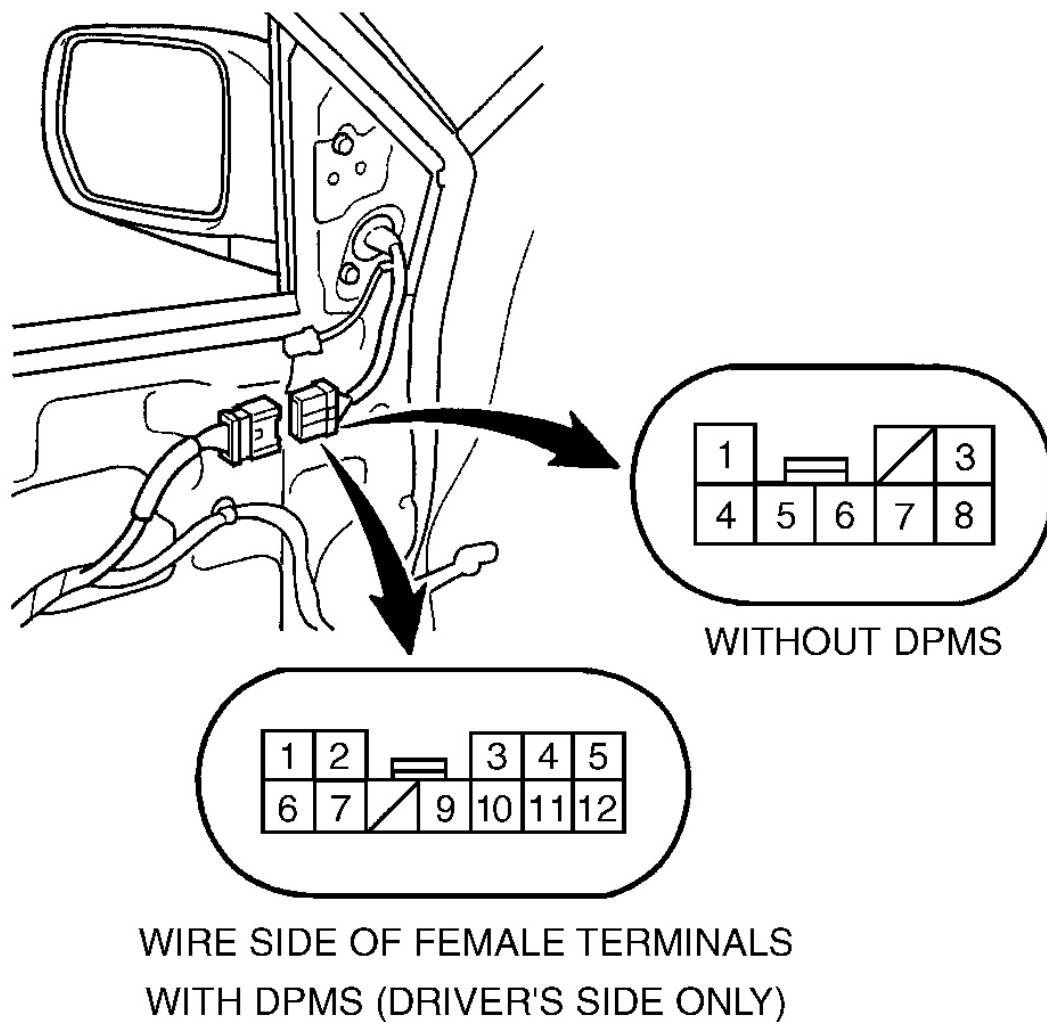
GRID FILAMENT

1. With ignition on, turn on rear window defogger. To locate breaks in grid wire filaments, connect positive lead of DVOM to middle portion of each filament. Connect negative DVOM lead to ground.
2. If a grid wire is broken, DVOM will indicate either zero or battery voltage, depending on location of break. If grid wire is not broken, DVOM will indicate about 6 volts. To locate break, move probe along grid wire until reading varies abruptly. If break is located, go to **GRID FILAMENT REPAIR** under ON-VEHICLE SERVICE.

MIRROR DEFOGGER

MDX, 3.2CL & 3.2TL

Remove appropriate door panel and disconnect power mirror 6-pin connector. See **DOOR PANEL** under REMOVAL & INSTALLATION. Check for continuity between power mirror connector terminals No. 3 and 6. See **Fig. 8 -Fig. 9** . Continuity should exist. If continuity does not exist, replace appropriate mirror. See **POWER MIRROR** in REMOVAL & INSTALLATION.



G00029391

Fig. 8: Identifying Power Mirror/Defogger Terminals (MDX)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

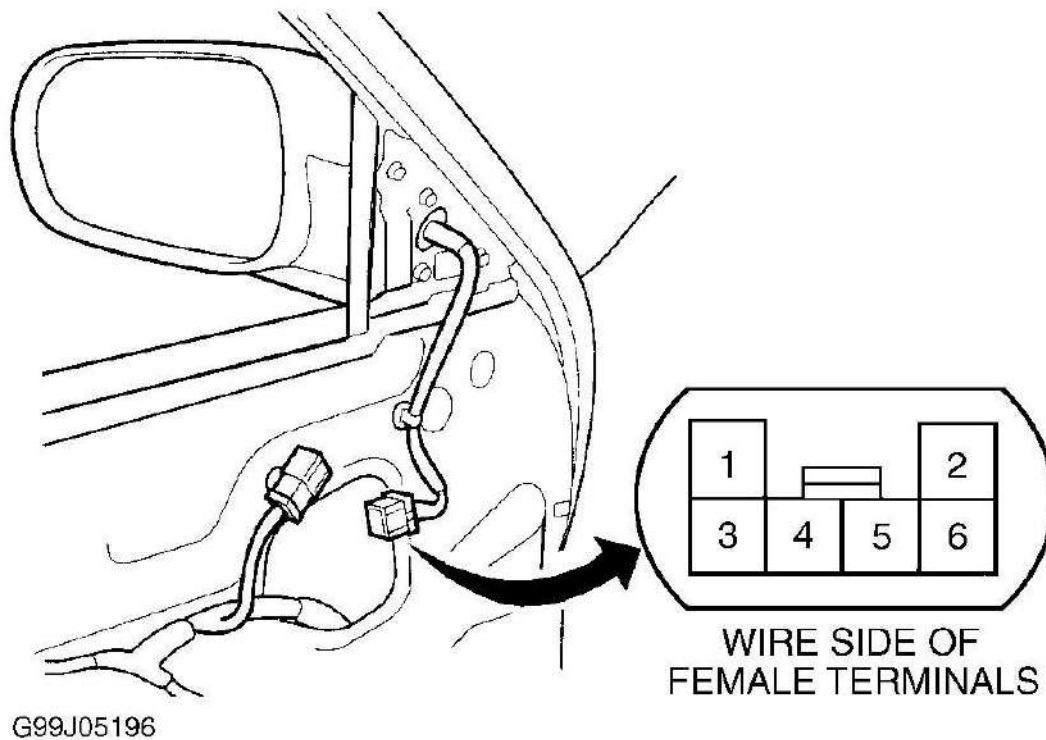


Fig. 9: Identifying Mirror Defogger 6-Pin Connector Terminals (3.2CL & 3.2TL)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3.5RL

Remove appropriate door panel and disconnect power mirror 10-pin connector. See **DOOR PANEL** under REMOVAL & INSTALLATION. On vehicle equipped with memory system, check continuity between 10-pin connector terminals No. 3 and 4. See **Fig. 10** . Continuity should exist. If continuity does not exist, replace appropriate mirror.

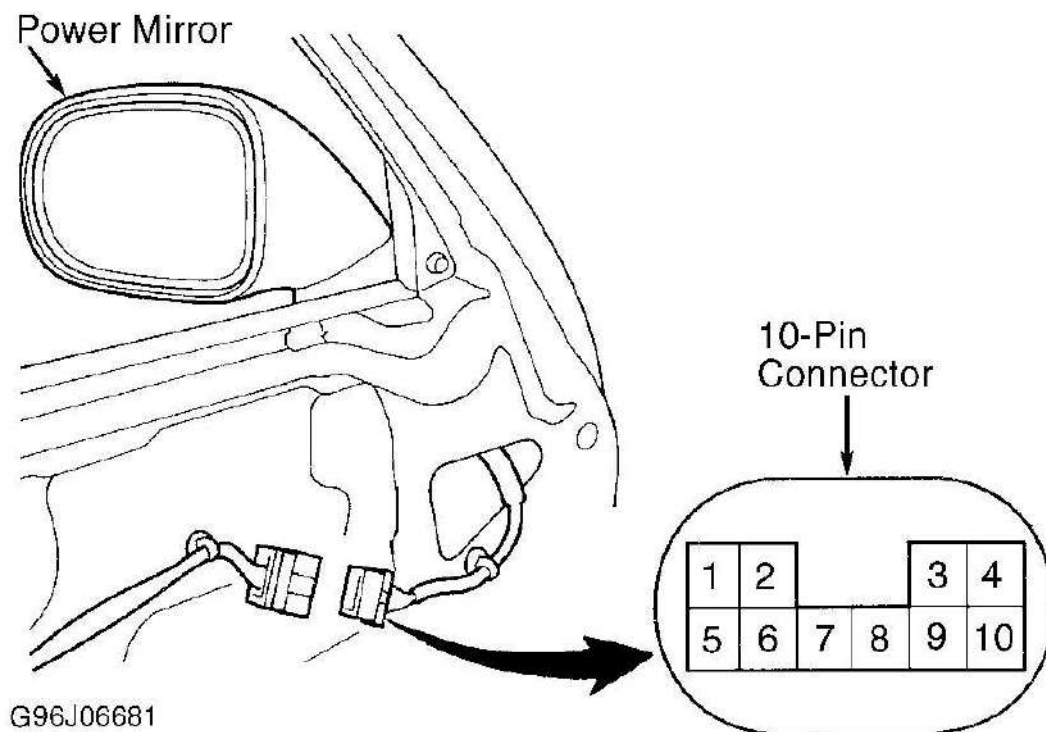


Fig. 10: Identifying Mirror Defogger 10-Pin Connector Terminals (3.5RL)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

MIRROR DEFOGGER SWITCH

MDX, 3.2CL & 3.2TL

Remove driver's door panel. See **DOOR PANEL** under REMOVAL & INSTALLATION. Disconnect power mirror switch 10-pin connector. Using a DVOM, check for continuity between switch terminals No. 3 and 6 with switch in ON position. See **Fig. 11** . Continuity should exist. If continuity does not exist, replace power mirror switch.

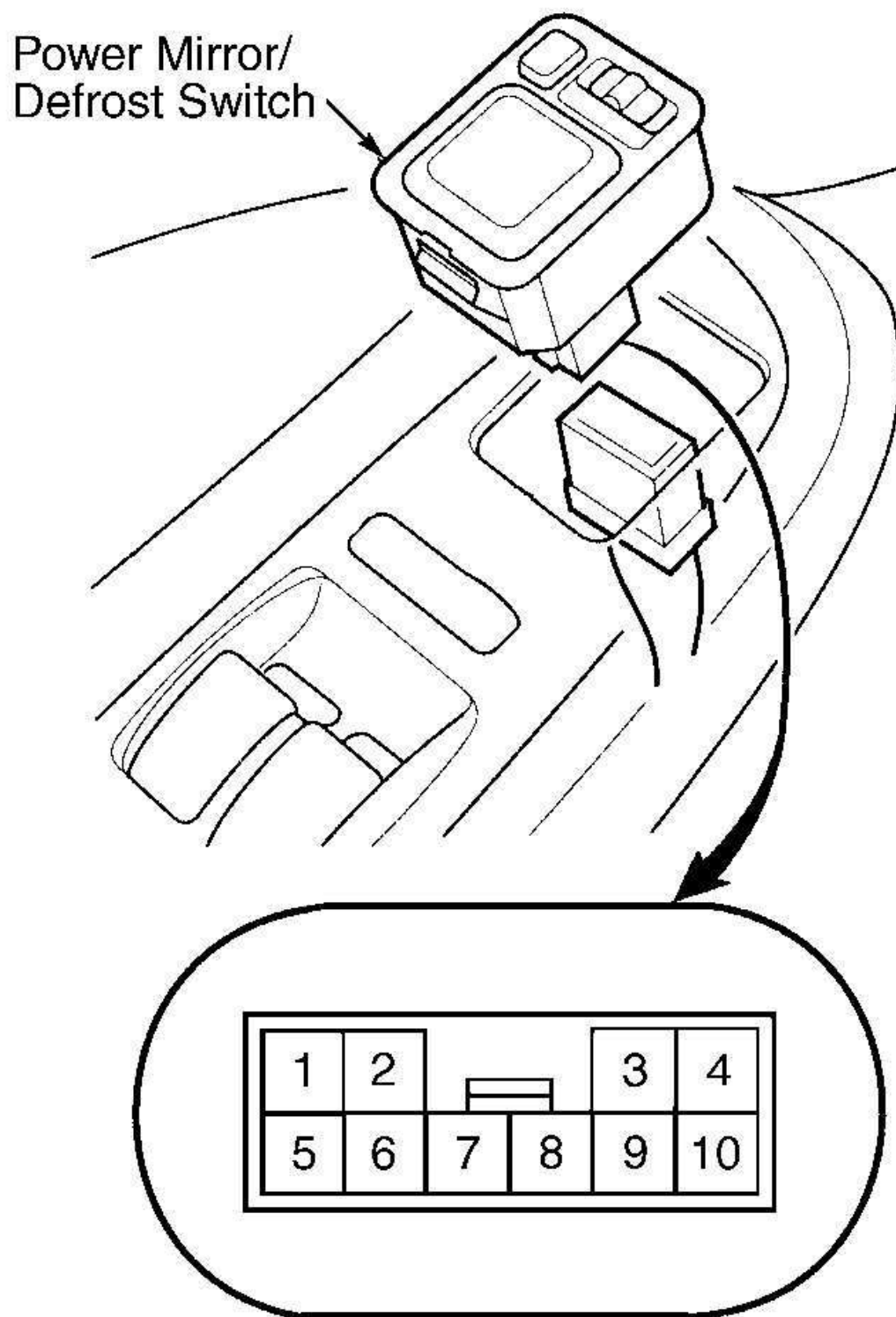
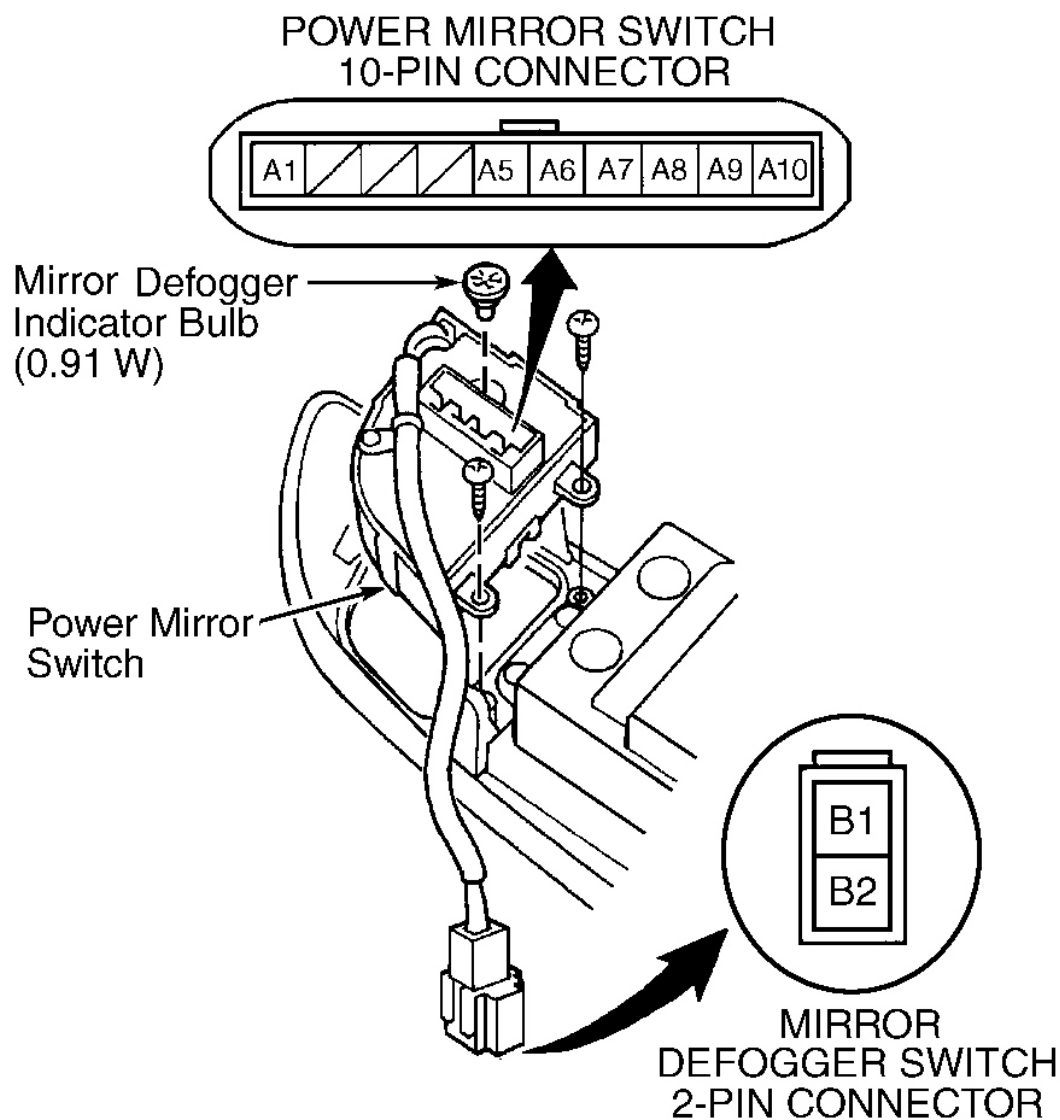


Fig. 11: Identifying Mirror Defogger Switch Terminals (3.2CL & 3.2TL Shown; MDX Is similar)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3.5RL

1. Remove driver's door panel. See **DOOR PANEL** under REMOVAL & INSTALLATION. Disconnect power mirror switch 10-pin and 2-pin connectors. Using a DVOM, check continuity between 2-pin switch terminals with switch in ON position. If continuity exists, go to next step. If continuity does not exist, replace power mirror switch.
2. Check continuity between switch 2-pin connector terminal B2 (Blue/Red wire) and switch 10-pin connector terminal A7 (Black wire) in on or off positions. See **Fig. 12** . Continuity should exist. If continuity does not exist, replace indicator bulb.



G00015419

Fig. 12: Identifying Power Mirror Switch 10-Pin & 2-Pin Connector Terminals (3.5RL)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

REAR WINDOW DEFOGGER COIL

3.5RL

Remove right inner panel from trunk. Disconnect 1-pin and 2-pin connectors from rear window defogger coil. See **Fig. 13**. Using a DVOM, check continuity between terminals A1 and B2. Replace rear window defogger coil if continuity does not exist. If continuity exists, check continuity between terminal B2 and rear window

defogger coil bracket. Continuity should exist. Replace rear window defogger coil if continuity does not exist.

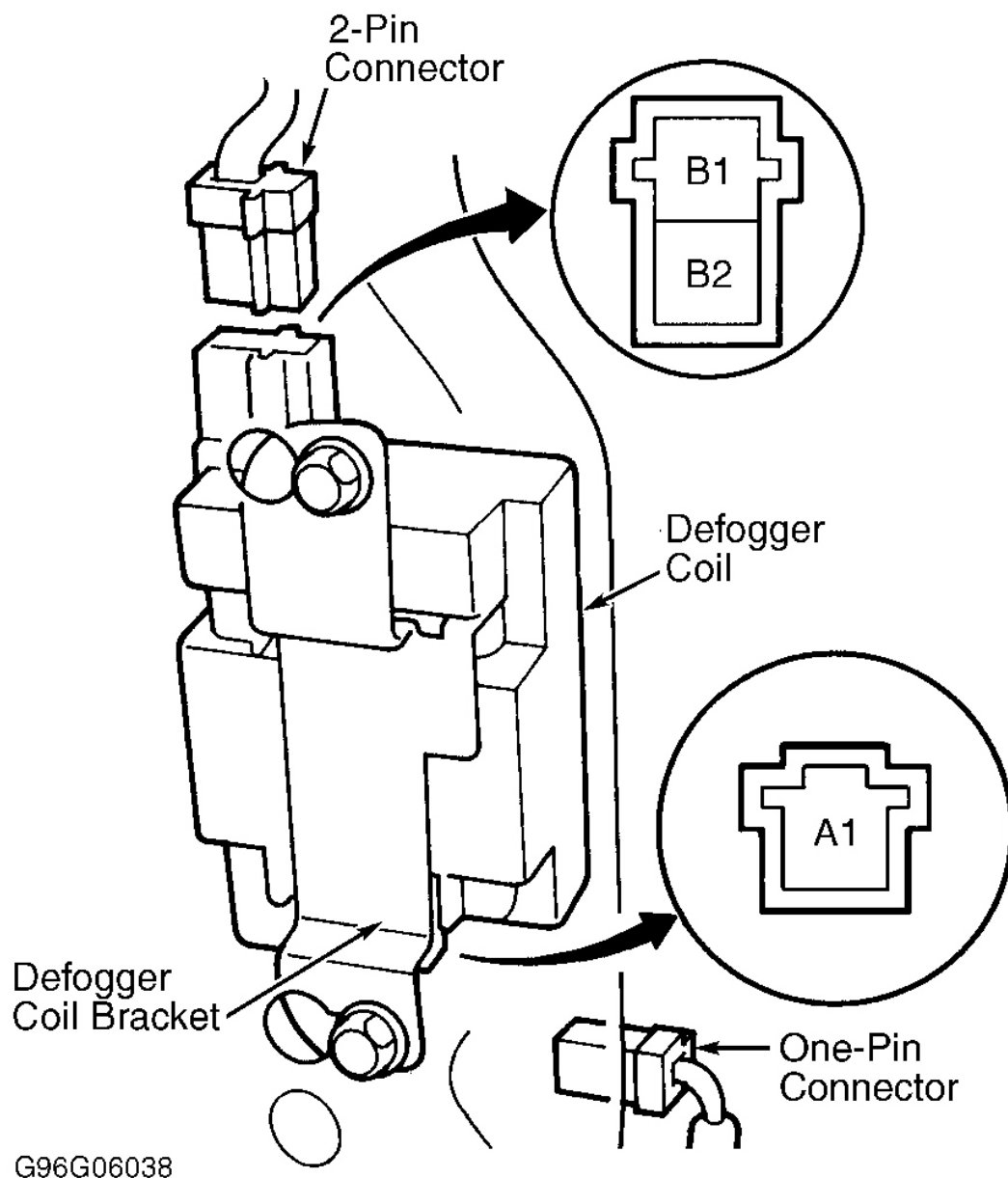


Fig. 13: Testing Rear Window Defogger Coil (3.5RL)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

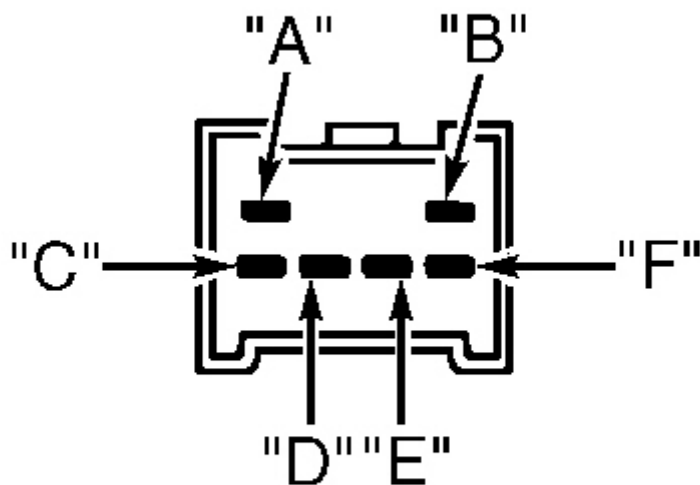
REAR WINDOW DEFOGGER SWITCH

NOTE: On MDX, 3.2CL and 3.2TL, manufacturer does not provide test procedures for

rear window defogger switch. Switch is part of climate control panel. If switch is found at fault, replace climate control panel. See **CLIMATE CONTROL PANEL** under REMOVAL & INSTALLATION.

Integra

1. Remove rear window defogger switch from instrument panel. See **REAR WINDOW DEFOGGER SWITCH** under REMOVAL & INSTALLATION. Using a DVOM, check rear window defogger switch for continuity between terminals "D" and "F". See **Fig. 14** . Continuity should exist with button pushed. Continuity should not exist with button released. If continuity is as specified, go to next step. If continuity is not as specified, replace rear window defogger switch.
2. Check for continuity between terminals "A" and "C" with button pushed or released. If continuity does not exist, replace indicator light bulb. Check for continuity between terminals "B" and "E" with button pushed or released. If continuity does not exist, replace illumination light bulb.



G96I06039

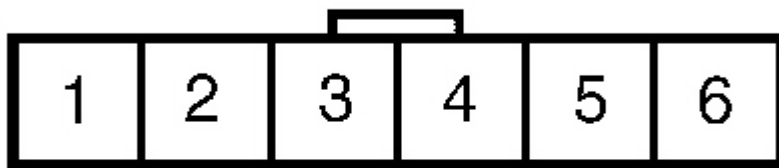
Fig. 14: Testing Rear Window Defogger Switch (Integra)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3.5RL

1. Remove rear window defogger switch from instrument panel. See **REAR WINDOW DEFOGGER SWITCH** under REMOVAL & INSTALLATION. Using a DVOM, check rear window defogger switch

for continuity between terminals No. 3 and 4. See **Fig. 15** . Continuity should exist with button pushed. Continuity should not exist with button released. If continuity is as specified, go to next step. If continuity is not as specified, replace rear window defogger switch.

2. Check for continuity between terminals No. 5 and 6 with button pushed or released. If continuity does not exist, replace indicator light bulb. Check for continuity between terminals No. 1 and 2 with button pushed or released. If continuity does not exist, replace illumination light bulb.



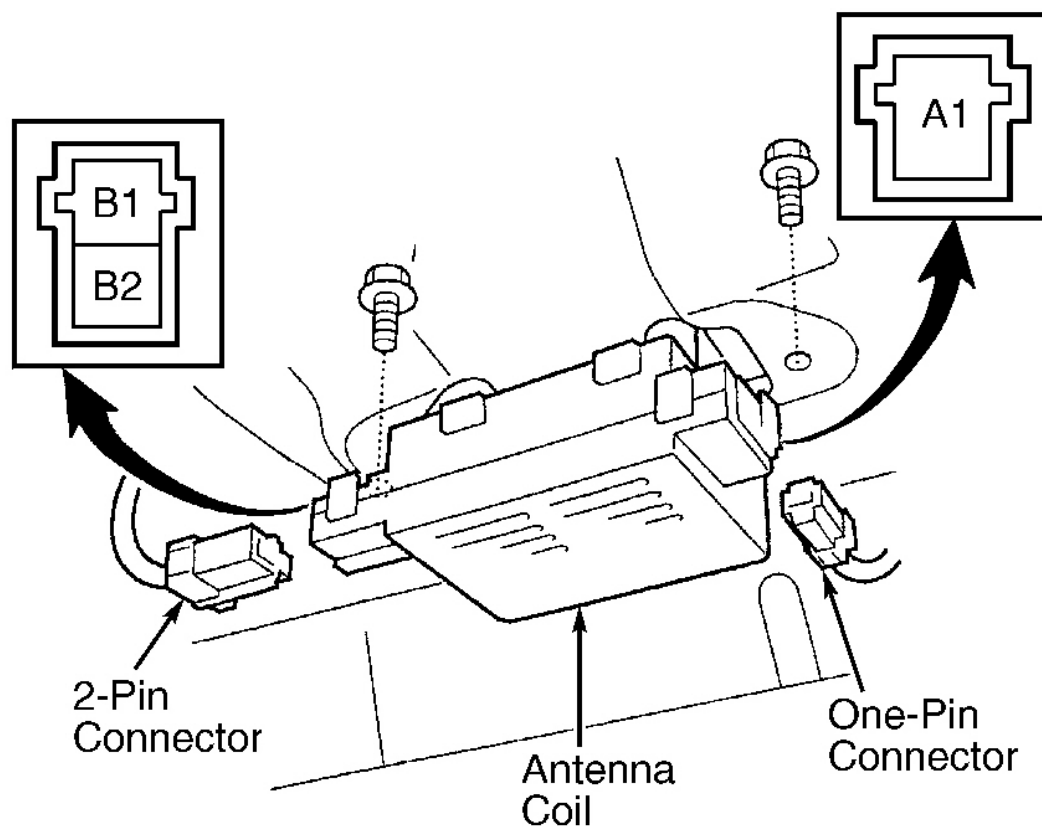
G96E06037

Fig. 15: Testing Rear Window Defogger Switch (3.5RL)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

REAR WINDOW ANTENNA COIL

3.2CL & 3.2TL

Locate rear window antenna coil mounted under rear shelf. Disconnect 1-pin and 2-pin connectors from rear window antenna coil. See **Fig. 16** . Using a DVOM, check continuity between terminals B2 and ground, and between terminals A1 and B1. Continuity should exist. Replace antenna coil if continuity does not exist.



G00032382

Fig. 16: Testing Rear Window Antenna Coil (3.2CL & 3.2TL)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

REAR WINDOW DEFOGGER RELAY

Except Integra

Disconnect rear window defogger relay from passenger's underdash fuse/relay box. Check continuity between terminals No. 1 and 3. Continuity should not exist. See **Fig. 17** . Apply battery voltage to terminal No. 2 and ground terminal No. 4. Continuity should exist between terminals No. 1 and 3.

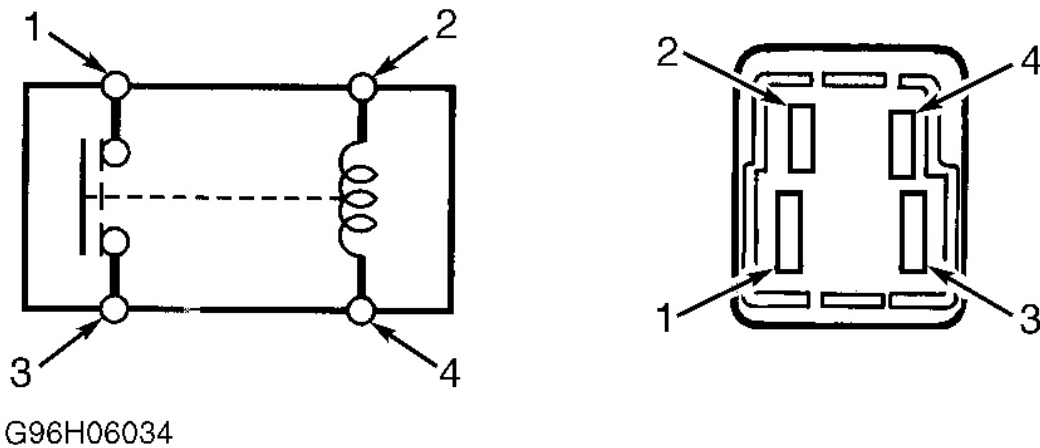
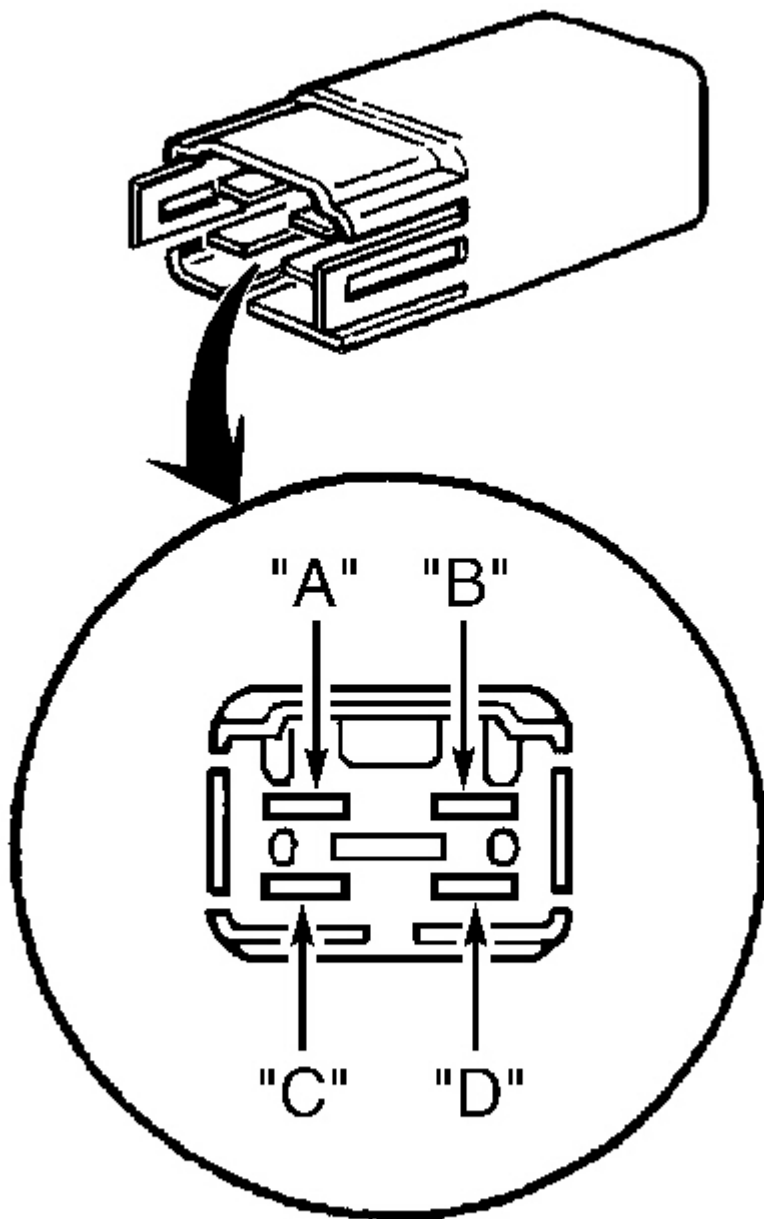


Fig. 17: Identifying Relay Terminals (Except Integra)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Integra

Remove rear window defogger relay from bracket. Rear window defogger relay is located above left kick panel, next to moon roof and starter cut relays. Disconnect rear window defogger relay and check for continuity. Continuity should not exist between terminals "A" and "C". See **Fig. 18**. Apply battery voltage to terminal "B" and ground terminal "D". Continuity should exist between terminals "A" and "C".



G00015420

Fig. 18: Identifying Rear Window Defogger Relay (Integra)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

REMOVAL & INSTALLATION

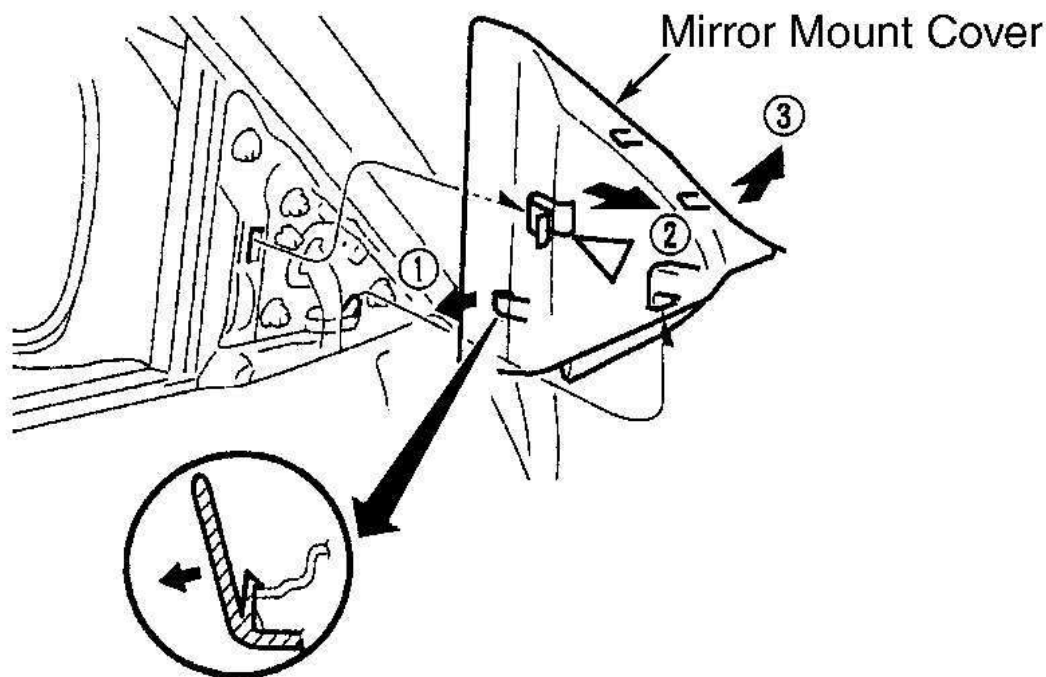
DOOR PANEL

Removal & Installation (Integra)

1. Remove trim cap and inner handle mounting screw. Pull inner handle and remove inner handle trim. Disconnect door lock connector, if equipped. Remove armrest pocket. Release clips holding door panel in place. Remove door panel by pulling gently upward. DO NOT bend door panel.
2. Disconnect wiring connectors and inner handle cable. Set door panel face down on covered, non-scratching surface. To install, reverse removal procedure. Replace any damaged clips.

Removal & Installation (MDX, 3.2CL & 3.2TL)

Remove mirror mount cover in sequence. See **Fig. 19** . Remove inner handle cup and screw. Pull inner handle forward and half-way out. Disconnect inner handle rod and power door lock switch connector. Remove screw from armrest. Release door panel clips and remove door panel by gently pulling it upward. Be careful not to crease or break door panel. Disconnect electrical connectors. Set door panel face down on covered, non-scratching surface. To install, reverse removal procedure. Replace any damaged clips.



G00012272

Fig. 19: Removing Mirror Mount Cover (3.2CL & 3.2TL Shown; MDX Is Similar)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Removal & Installation (3.2CL)

1. Remove trim cap and inner handle mounting screw. Pull inner handle and remove inner handle trim. If equipped, disconnect door lock connector. Remove mirror mount cover by pulling out and up. Remove screw from armrest. Release door panel clips and remove door panel by gently pulling it upward. Be careful not to crease or break door panel.
2. Disconnect power window switch connectors. On driver's side, disconnect power mirror switch and courtesy light. Set door panel face down on covered, non-scratching surface. To install, reverse removal procedure. Replace any damaged clips.

Removal & Installation (3.5RL)

Remove trim plate and screws from behind inner door handle. DO NOT remove inner handle from door panel. Remove screw at rear of door panel and door stop. Pull firmly inward to release clips for door panel and lift upward to remove. Disconnect inner handle cable and electrical connectors. Set door panel face down on covered, non-scratching surface. To install, reverse removal procedure.

UNDERDASH FUSE/RELAY BOX

Removal & Installation (3.5RL)

Disable air bag restraint system. See appropriate AIR BAG RESTRAINT SYSTEMS article. Disconnect air bag connectors. Remove lower instrument panel cover. Disconnect driver's underdash fuse/relay box connectors. Remove nut, bolt and driver's underdash fuse/relay box. To install, reverse removal procedure. Reset Powertrain Control Module (PCM) memory. See COMPUTER RELEARN PROCEDURES article in GENERAL INFORMATION.

POWER MIRROR

CAUTION: To prevent damage to mirror and mirror housing, wrap end of screwdriver with shop towel.

Removal & Installation (MDX)

Pull mirror holder upward to release 4 hooks from actuator adapter plate. Disconnect defogger terminals. To install, reverse removal procedure.

Removal (3.2CL & 3.2TL)

Carefully pry bottom of mirror away from holder until mirror pivot is visible. Using a flat-tip screwdriver, pry between mirror pivot and mirror. Remove mirror from base and disconnect electrical connectors.

Installation

To install, reverse removal procedure. Ensure mirror actuator shafts and rubber boots are not damaged or deteriorated. Replace as needed. Apply grease to pivot and mirror actuator shafts. If necessary, before installing mirror, heat pivot and actuator shafts joint part of mirror. Ensure mirror actuator shaft boots are installed into mirror actuator. Recheck mirror operation.

Removal & Installation (3.5RL)

With mirror assembly still on vehicle, press in on top of mirror to create a gap at lower edge. Use shop towel to prevent scratching and insert screwdriver into slots at bottom of actuator behind mirror glass. Carefully pry mirror lower edge outward from adhesive and swing mirror upward to disengage clips. Disconnect heated mirror 2-pin connector and remove mirror from assembly. To install, reverse removal procedure. Use new adhesive to attach mirror to actuator assembly.

REAR WINDOW DEFOGGER SWITCH

NOTE: On MDX, 3.2CL and 3.2TL, defogger switch is part of climate control panel. To replace switch, climate control panel must be replaced. See CLIMATE CONTROL PANEL .

Removal & Installation (Integra & 3.5RL)

Carefully pry rear window defogger switch from instrument panel. Disconnect electrical connector. To remove bulbs, turn socket 45 degrees counterclockwise and pull out. To install, reverse removal procedure.

CLIMATE CONTROL PANEL**Removal & Installation (MDX)**

Gently pull out bottom of dash center panel to release 3 clips. Carefully pull out on both sides of dash center panel to release remaining clips. Disconnect climate control panel harness connector. Remove 4 climate control panel retaining screws. To install, reverse removal procedure.

Removal & Installation (3.2CL & 3.2TL With Navigation System)

1. Remove 4 screws and release 3 retainer clips on front console side trim panels. Remove side trim panels. Remove rear console storage bin mat and remove 4 screws securing rear console. Remove rear console. Gently pry up at 4 corners of shift indicator trim ring and remove. Remove 2 screws securing console panel. Disconnect electrical connectors and remove panel.
2. Remove 6 audio unit mounting screws. Pull audio unit and climate control panel out together. Disconnect electrical connectors and antenna. Remove 2 climate control panel mounting screws. Remove climate control unit. To install, reverse removal procedure.

Removal & Installation (3.2CL & 3.2TL Without Navigation System)

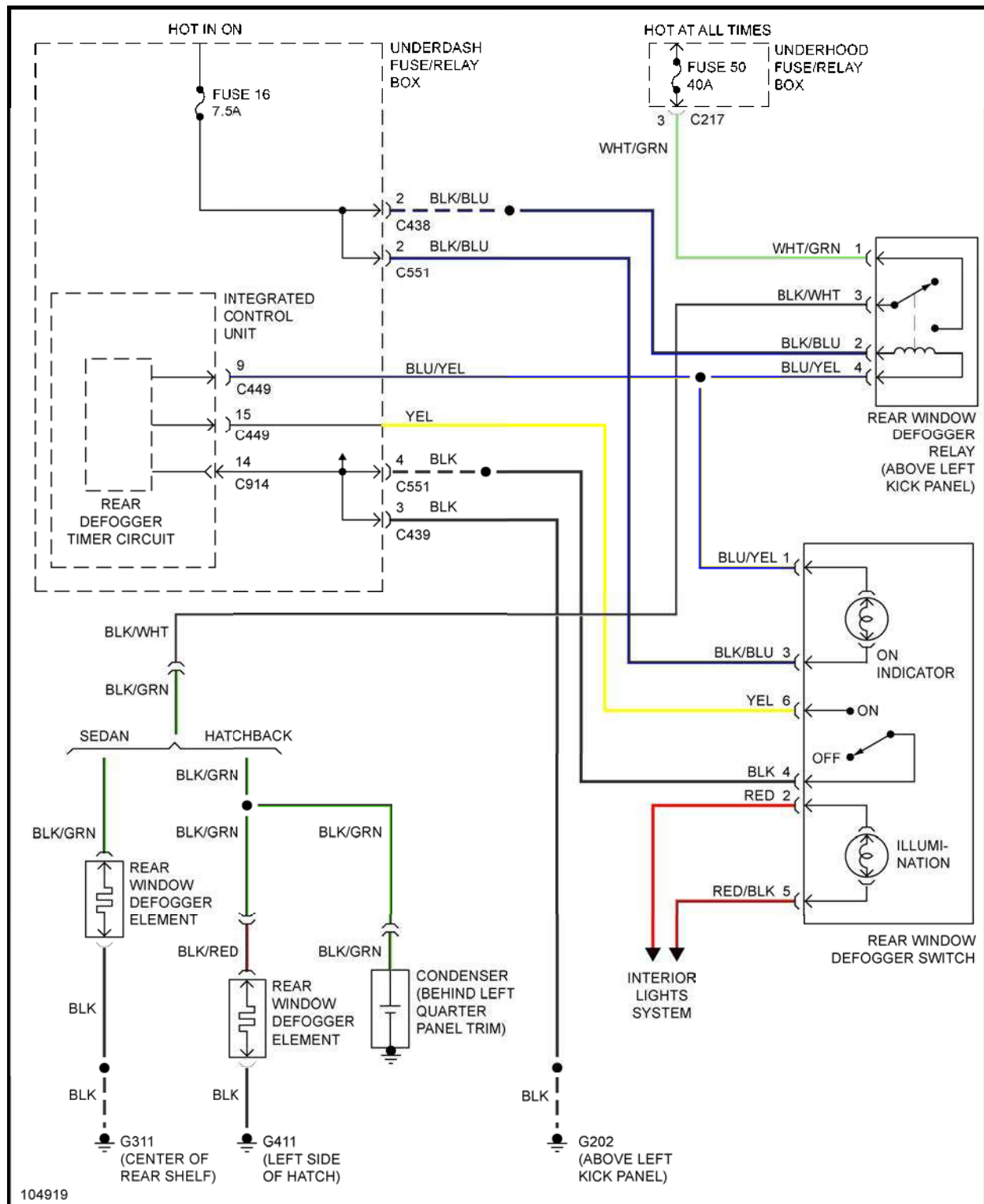
Remove dash instrument panel by carefully pulling outward to release clips attaching panel to dashboard. Disconnect climate control panel electrical connectors. Remove screws attaching climate control panel to dash instrument panel. To install, reverse removal procedure.

2002 Acura MDX
2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

WIRING DIAGRAMS

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

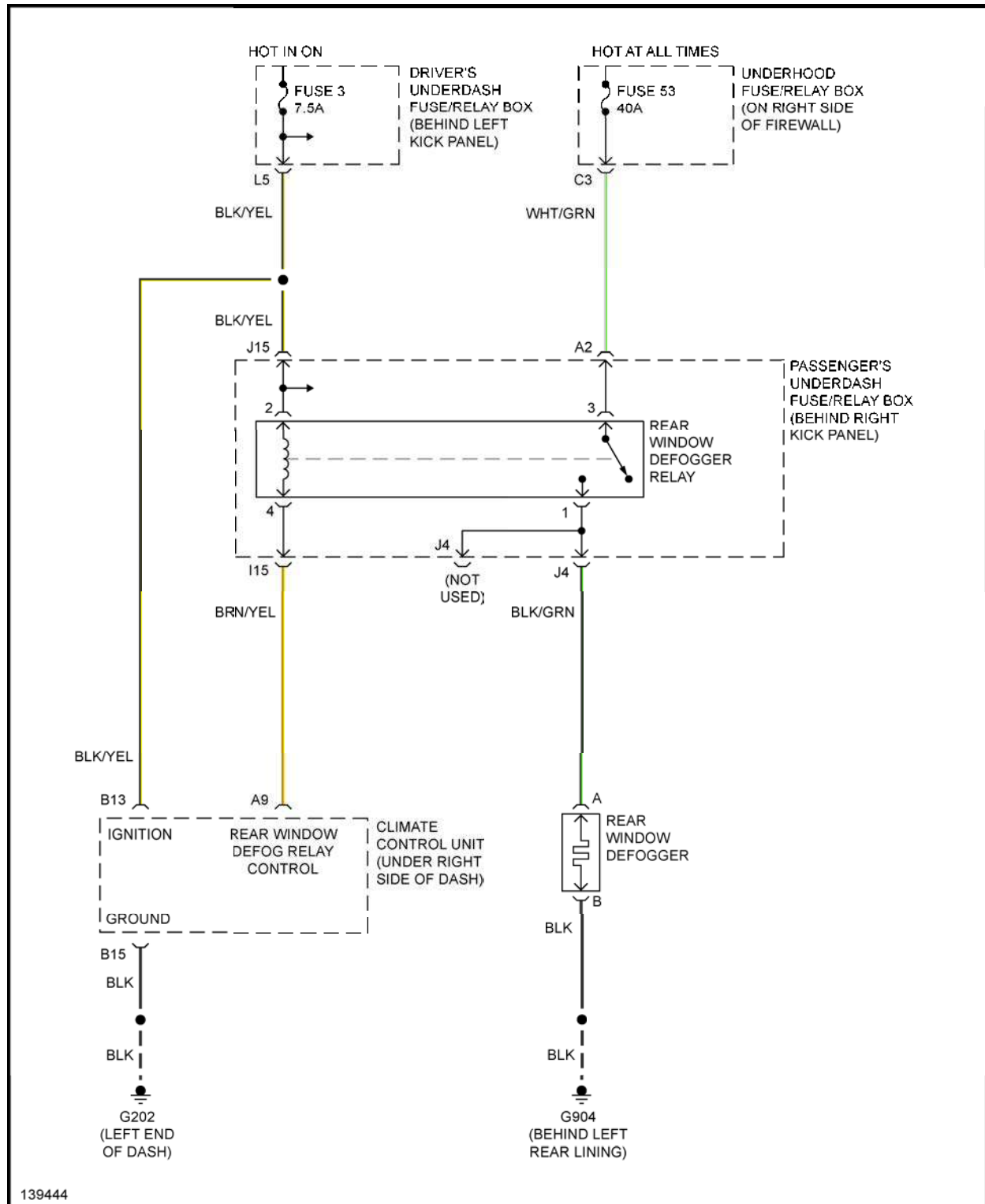


2002 Acura MDX
2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

Fig. 20: Rear Window Defogger Wiring Diagram (Integra)

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

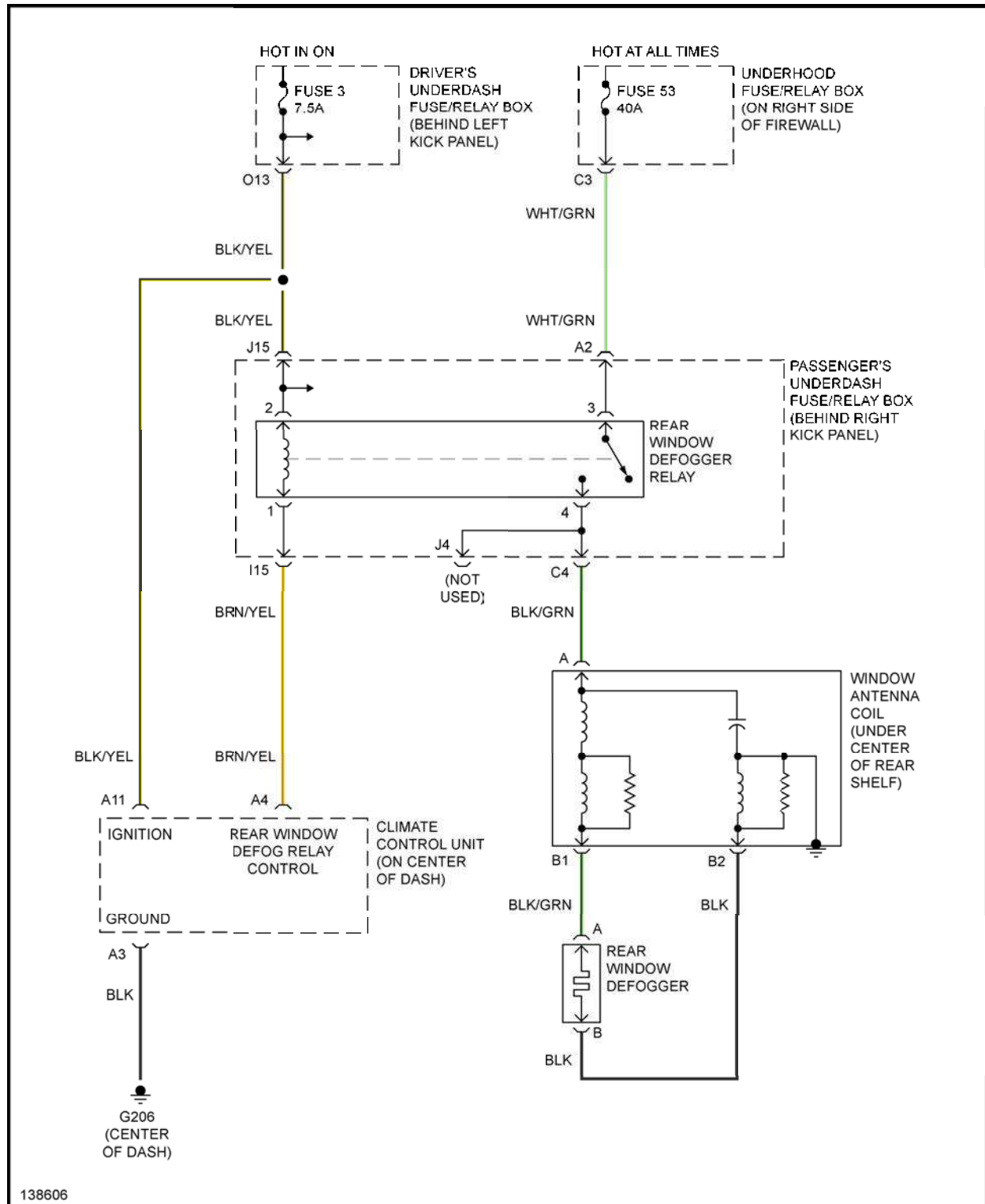


2002 Acura MDX
2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

Fig. 21: Rear Window Defogger Wiring Diagram (MDX)

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

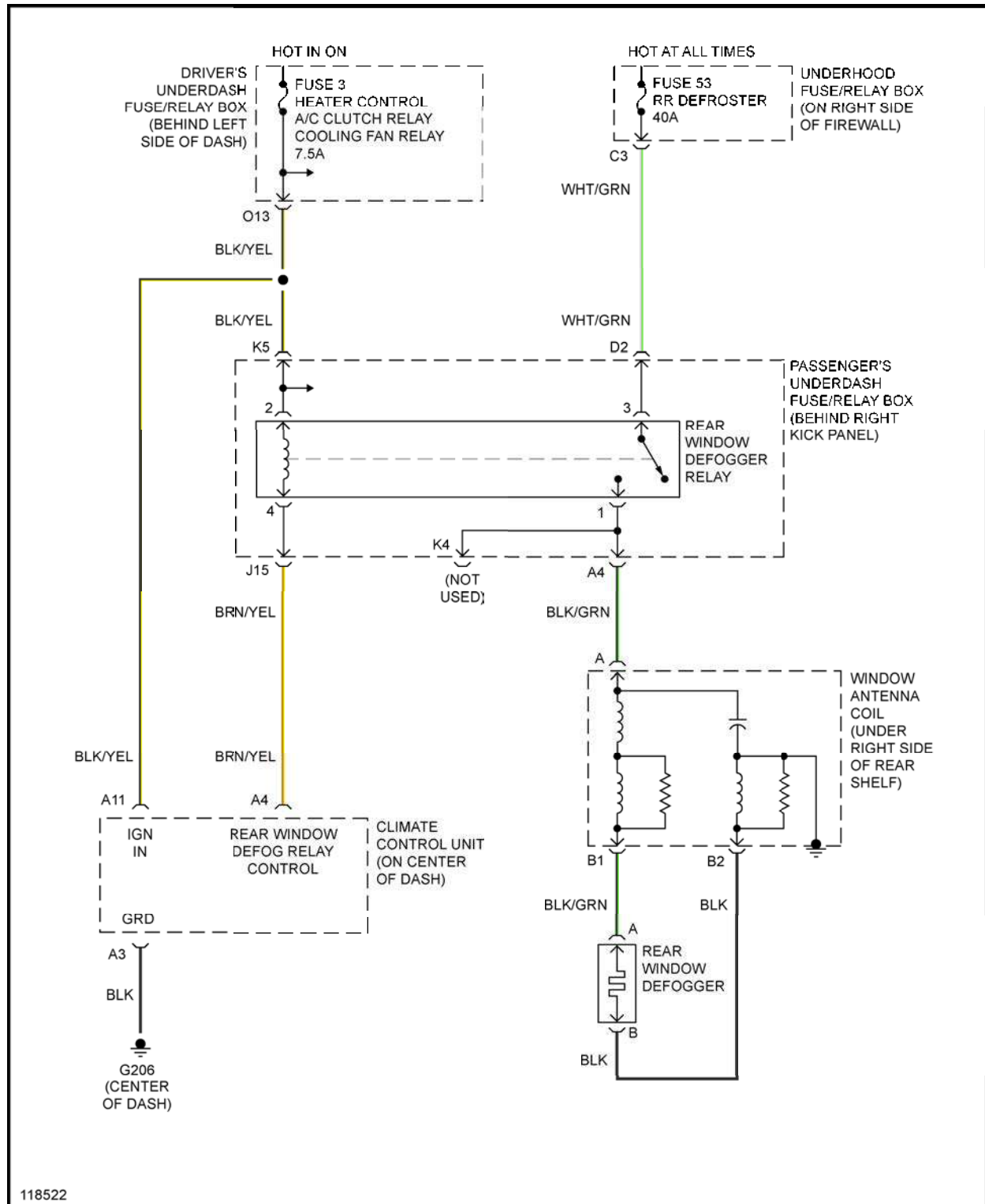


2002 Acura MDX
2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

Fig. 22: Rear Window Defogger Wiring Diagram (3.2CL)

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

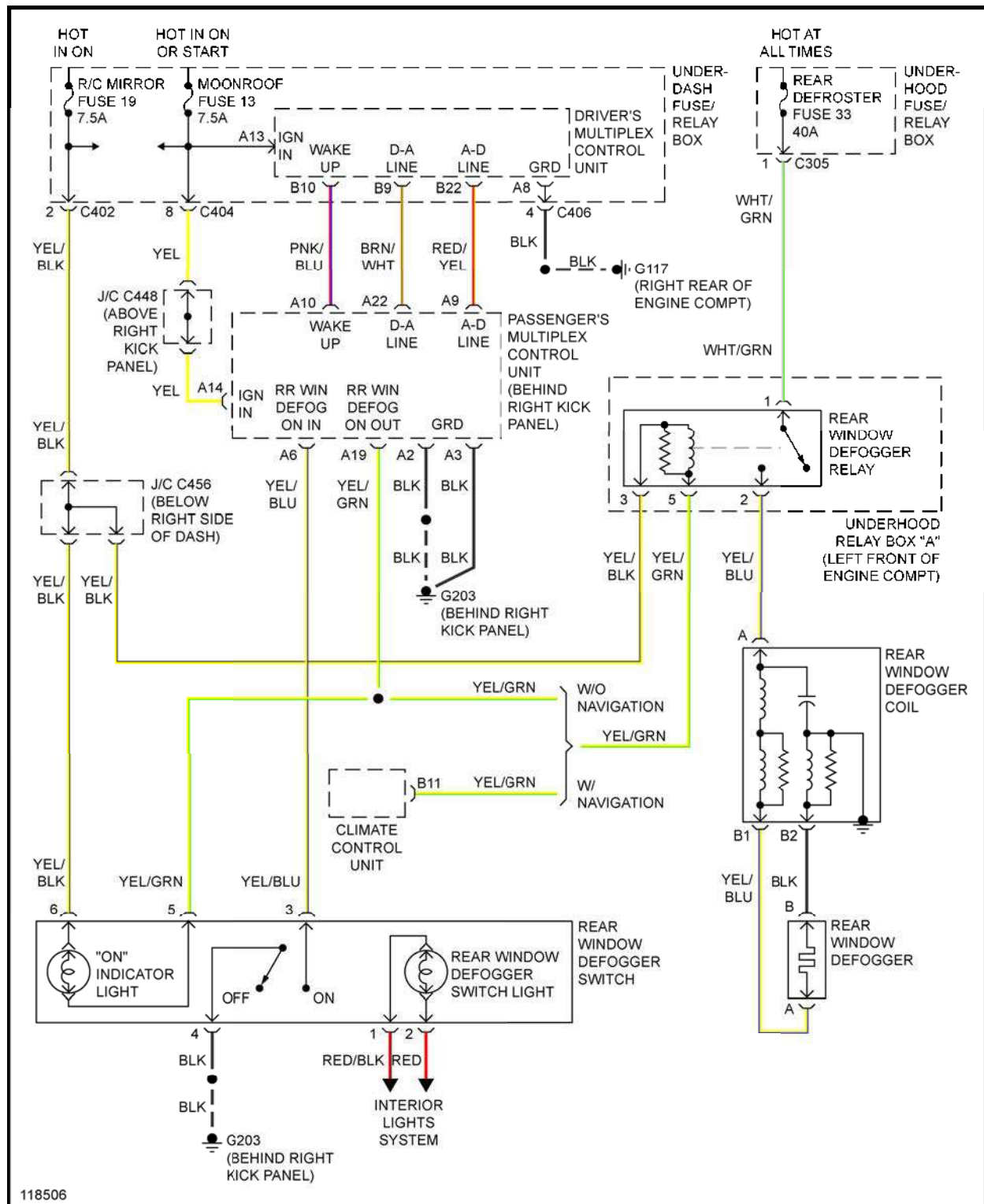


2002 Acura MDX
2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

Fig. 23: Rear Window Defogger Wiring Diagram (3.2TL)

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

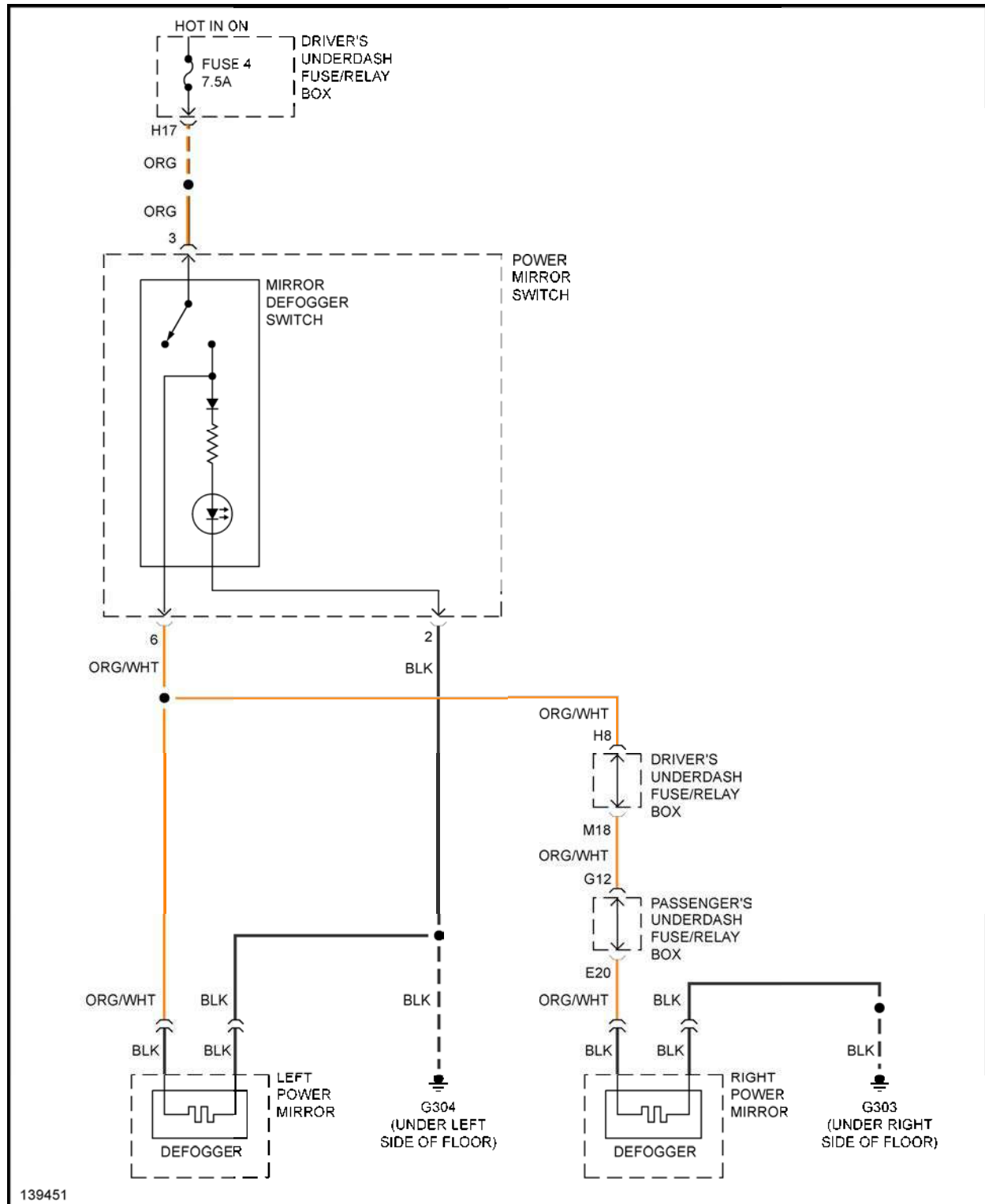


2002 Acura MDX
2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

Fig. 24: Rear Window Defogger Wiring Diagram (3.5RL)

2002 Acura MDX

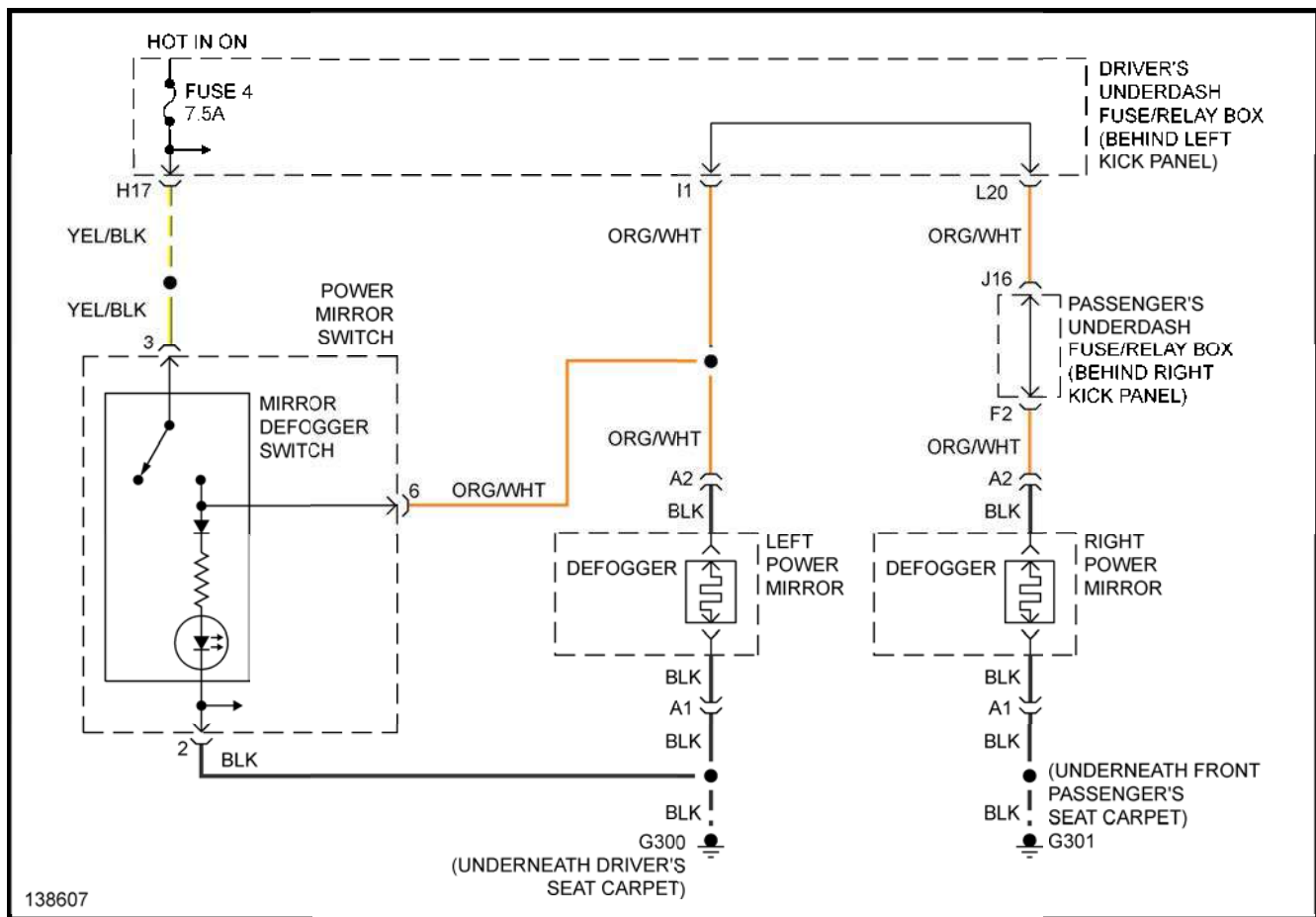
2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers



2002 Acura MDX
2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

Fig. 25: Heated Mirror Wiring Diagram (MDX)

2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

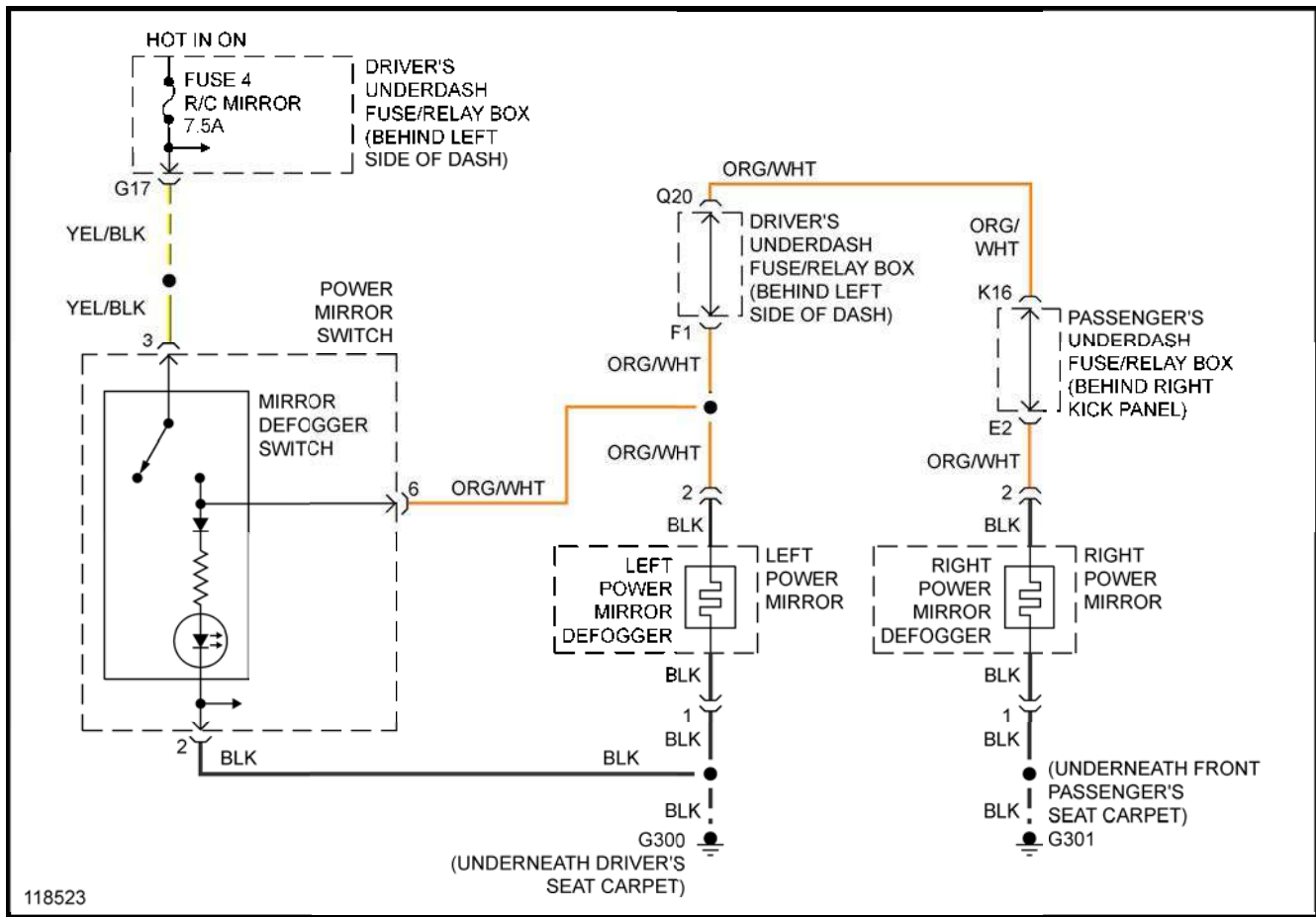


2002 Acura MDX
2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

Fig. 26: Heated Mirror Wiring Diagram (3.2CL)

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

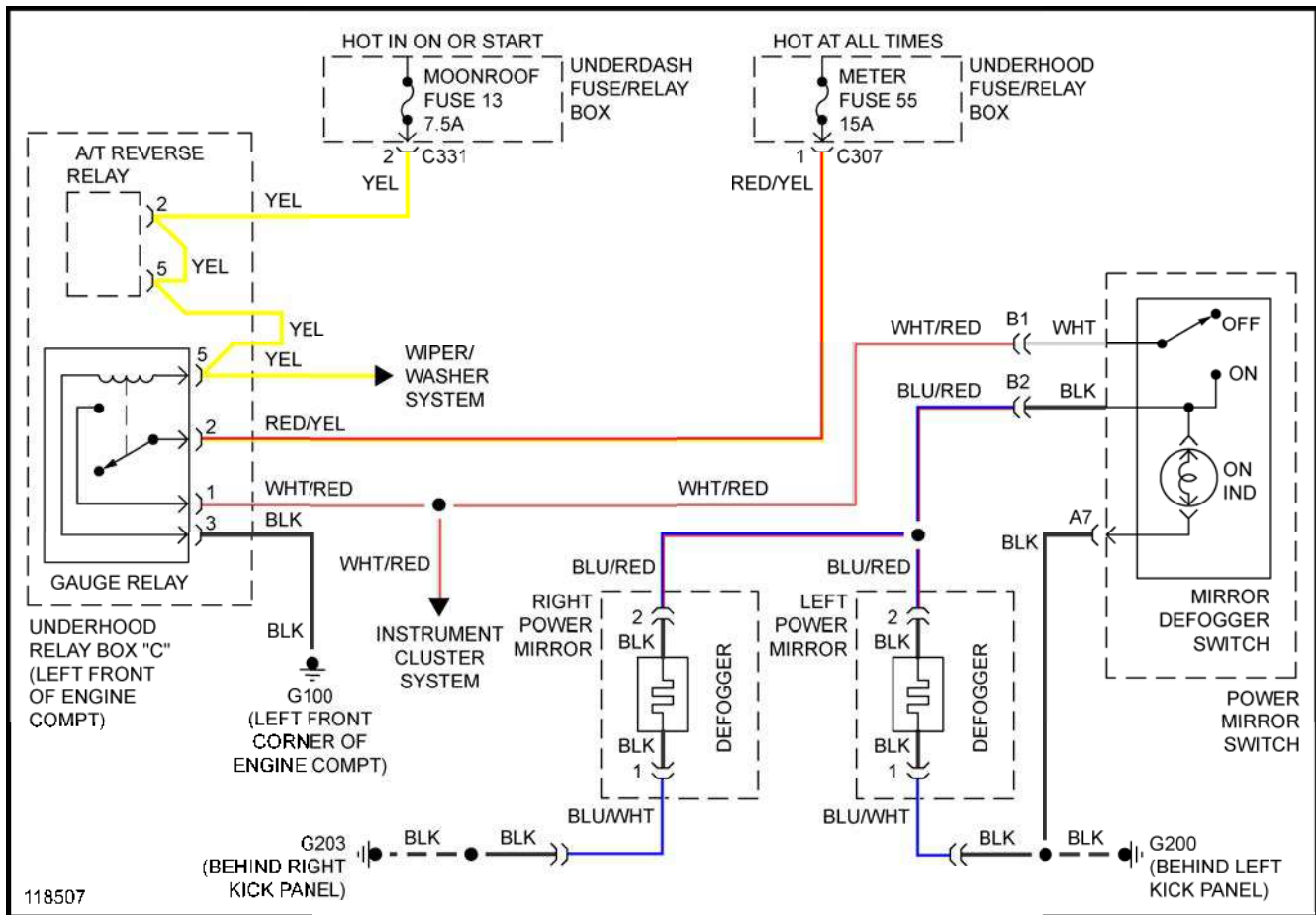


2002 Acura MDX
2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

Fig. 27: Heated Mirror Wiring Diagram (3.2TL)

2002 Acura MDX

2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers



2002 Acura MDX
2001 ACCESSORIES & EQUIPMENT Rear Window & Mirror Defoggers

Fig. 28: Heated Mirror Wiring Diagram (3.5RL)