



# ***Signal*® Mirror Installation Instructions**

**2001 – 2006 Toyota Sequoia Limited, 2004 Toyota Tundra D-Cab**



*Toyota Sequoia Limited*



*2004 Toyota Tundra D-Cab*

***THE safety accessory of the 21<sup>st</sup> Century.™***

## Note: Professional Installation Recommended

Warranty does not cover damage to the vehicle or mirror housing due to improper installation. The following installation instructions are to be considered as a guide only. Door removal procedures, indicator wire color and location may have changed since publication of these instructions. The installer is responsible for any damage that may occur during installation.

### **INCLUDED ITEMS:**

- 1 left and 1 right *Signal*<sup>®</sup> mirror
- 1 left and 1 right wire harness
- 4 blue T-taps
- 4 blue spade terminals
- 1 instruction manual
- 8 cable ties (Not Required)
- 1 dielectric grease (Not Required)

### **REQUIRED TOOLS:**

- Ratchet with extension or ratcheting screwdriver
- 10mm socket
- Small slotted screwdriver
- Medium Philips screwdriver
- Small pry bar
- Gopher wire
- T15 torx screw
- T25 torx screw
- Wire crimper and stripper
- Masking tape
- Electrical tape
- Multimeter
- Sturdy gloves
- Safety glasses or goggles

Please read instructions prior to installation.

### **PROBLEMS OR QUESTIONS?**

Technical Assistance is available by calling  
Muth Mirror Systems Technicians at:

1-800-844-6616

Monday through Friday  
Between 8:00 a.m. and 5:00 p.m. CST

Or through the Muth web site:

[www.muthco.com](http://www.muthco.com)

Or via E-mail: [techsupport@muthco.com](mailto:techsupport@muthco.com)

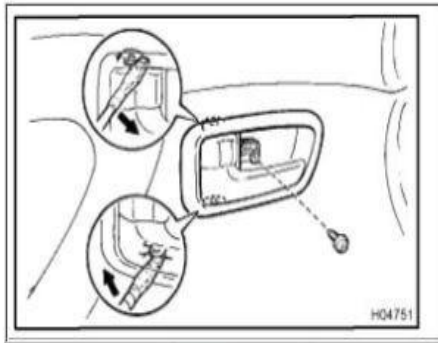


# Door Panel Removal

## 1. REMOVE INSIDE HANDLE BEZEL

- Using a screwdriver, open the cover.

**HINT:** Tape the screwdriver tip before use.

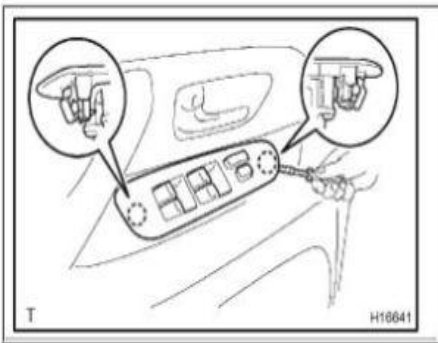


- Remove the screw.
- Using a screwdriver, remove the inside handle bezel as shown in the illustration.

**HINT:** Tape the screwdriver tip before use.

## 2. REMOVE COURTESY LIGHT

## 3. REMOVE UPPER ARMREST BASE PANEL WITH POWER WINDOW SWITCH



- Using a screwdriver, remove the upper armrest base panel with power window switch.

**HINT:** Tape the screwdriver tip before use.

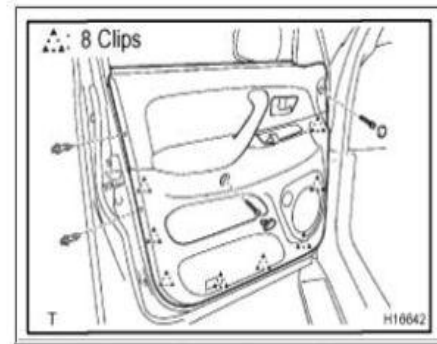
- Disconnect the connector.
- Remove the 3 screws and power window switch from the upper armrest base panel.

## 4. REMOVE LOWER FRAME BRACKET GARNISH

Using a screwdriver, remove the lower frame bracket garnish.

**HINT:** Tape the screwdriver tip before use.

## 5. REMOVE DOOR TRIM



- Using a screwdriver, remove the 2 caps.

**HINT:** Tape the screwdriver tip before use.

- Remove the 2 screws and 2 clips.
- Insert a screwdriver between the door trim and door panel to pry the door trim.
- Pull the door trim upward to remove the door trim.

# Mirror Replacement



The mirror is held in place using two snaps at the bottom of the mirror and two hinges at the top of the mirror. Carefully pull at the bottom of the mirror until it unsnaps from the mirror mount. Tilt and lift the mirror out of the mirror housing.



If heated, disconnect the heater wires from the back of the mirror. The heater wires are interchangeable.



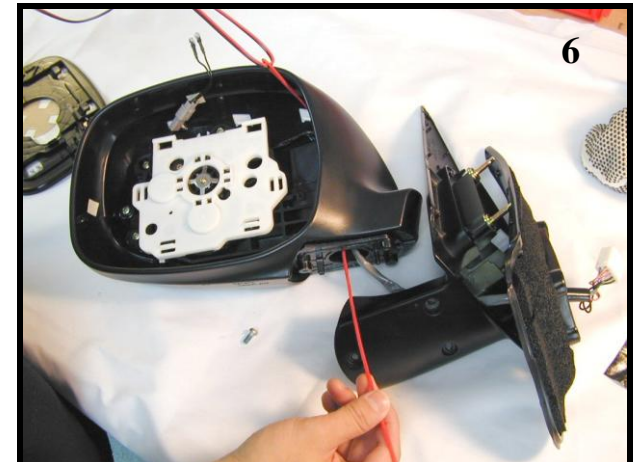
Using a T-25 Torx bit, remove the three screws at the bottom of the mirror sail. Separate the mirror housing from the mirror sail.



Unwrap the tape at the end of the mirror wire harness (seals it to the rubber sail gasket). This is required because the *Signal*® mirror wire will run through the rubber sail gasket in the same location.



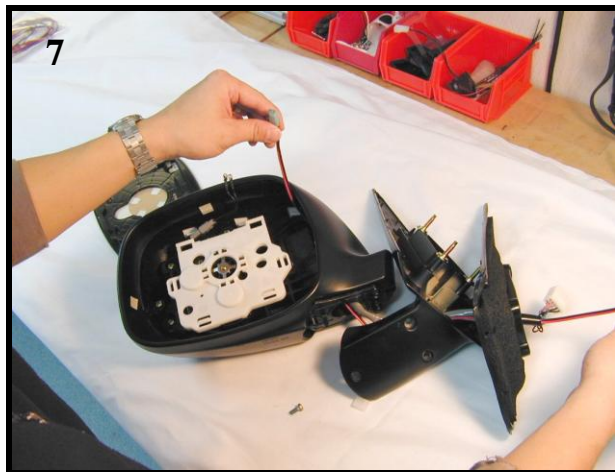
Pull away the rubber gasket from around the mirror sail. Remove the white plastic strain relief tab.



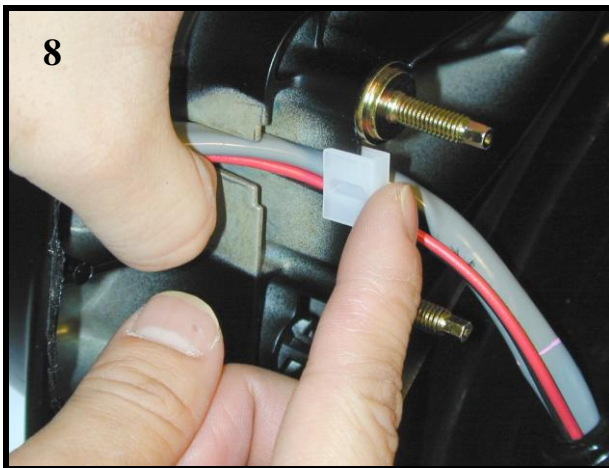
Using the shorter of the two wire harnesses from the kit and starting from the inside of the mirror housing, route the wire through the mirror housing. You may need to use gopher wire to route the wire.



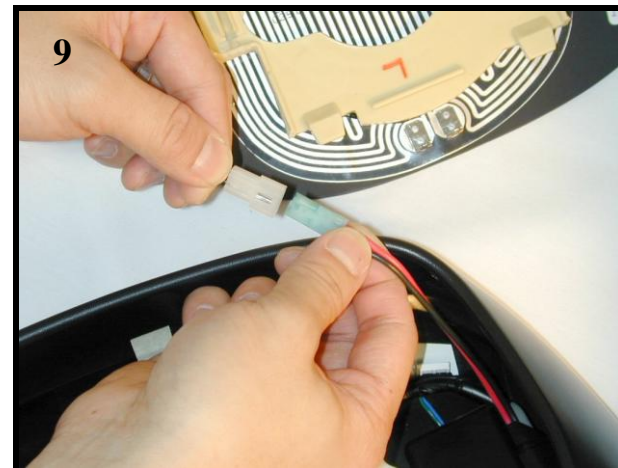
## Mirror Replacement Continued



Following along the existing factory wire, route the new wire through the mirror sail. Leave about 4 inches of wire in the mirror housing. Assemble the mirror housing and mirror. Replace the rubber gasket on the mirror sail.



Remove any slack in the wire. Replace the strain relief tab.



Connect the *Signal*® mirror mating connector to the *Signal*® mirror wire harness. **If heated**, connect the factory heater wires to the heater terminals on the *Signal*® mirror. **NOTE: There is no polarity so the wires may be interchanged.**



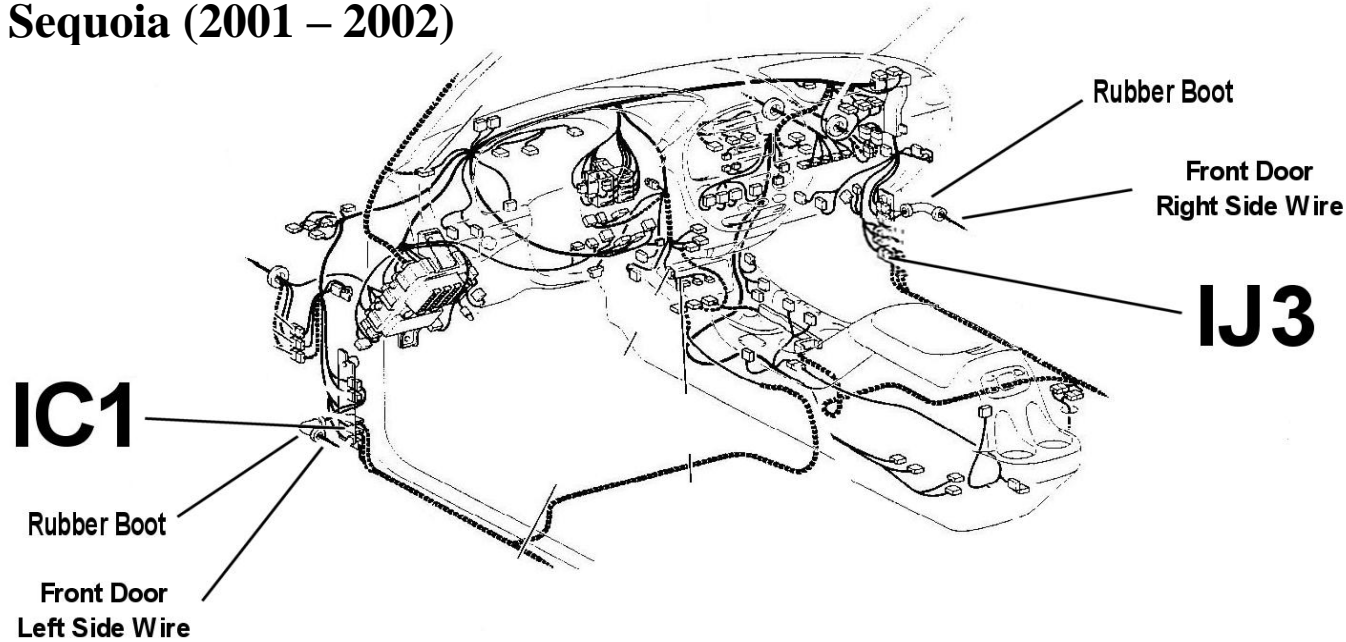
Tuck the wire harness behind the *Signal*® mirror. Align the hinges in the top of the mirror mount. Tilt the *Signal*® mirror down on the mirror mount.



Press down on the bottom of the *Signal*® mirror until it snaps into position. Press down on all sides of the *Signal*® mirror to ensure proper operation.

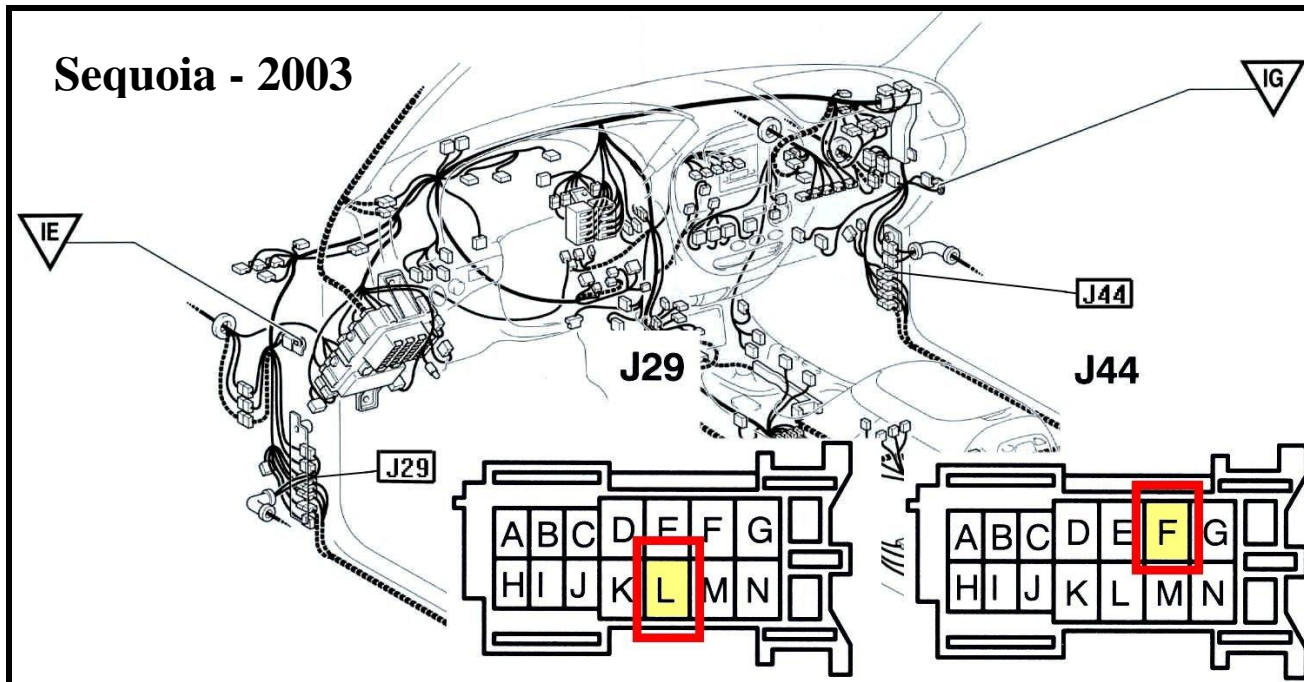
# Wiring

## Sequoia (2001 – 2002)



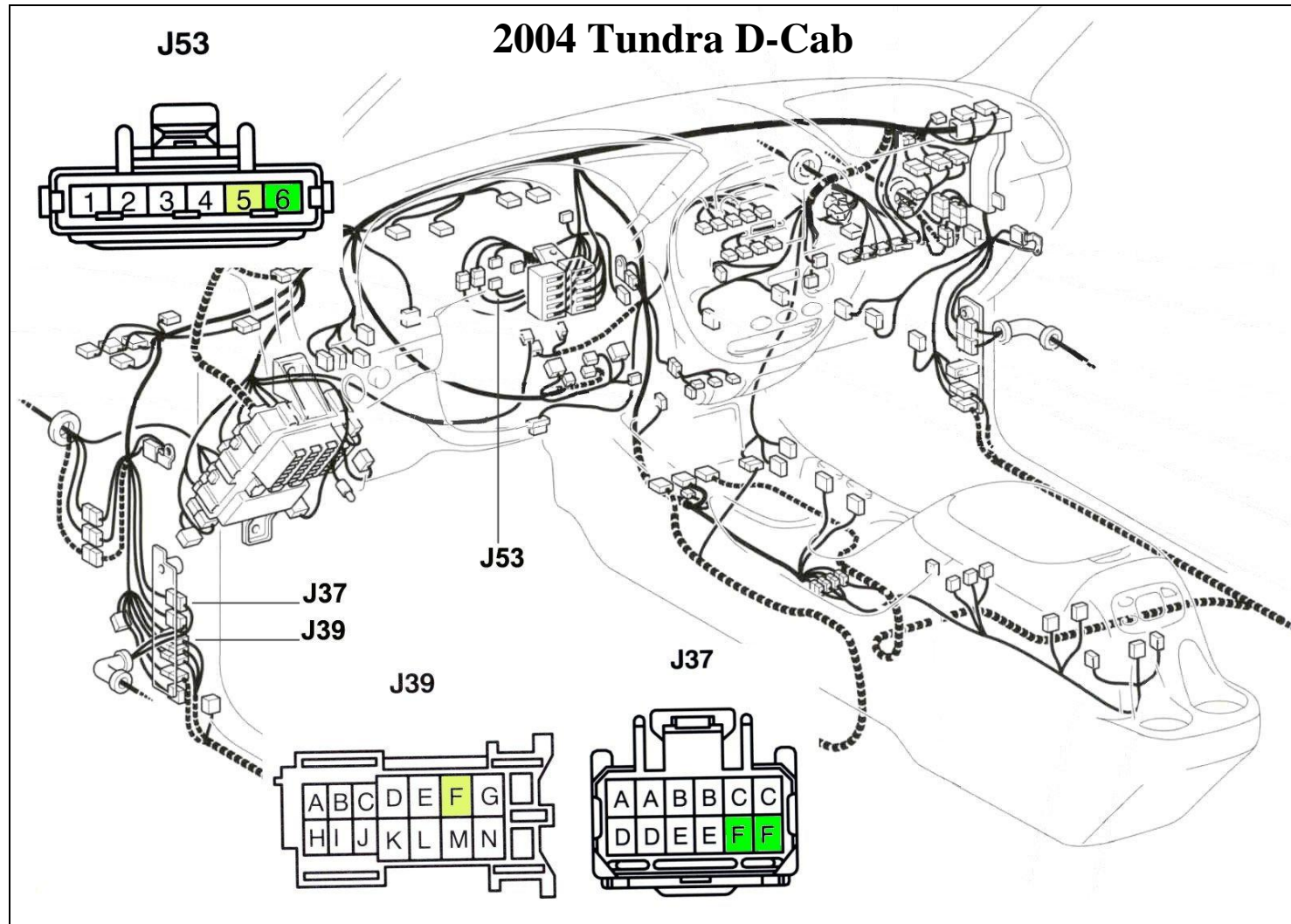
Bolt the mirror housing on the door. Reconnect the factory mirror wire harness. Pull back a portion of plastic insulation from the door. Dislodge the rubber boot from between the door and door frame. Guide the *Signal*® mirror wire harness down into the door and out of the hole vacated by the rubber boot. Pull the rubber boot out from the door frame. Guide a piece of gopher wire through the rubber boot and secure the *Signal*® mirror wire harness to the end of the gopher wire. Pull the wire harness through the rubber boot and guide it into the vehicle through the door frame. Replace the rubber boot between the door and door frame. Remove any slack in the wire.

## Sequoia - 2003



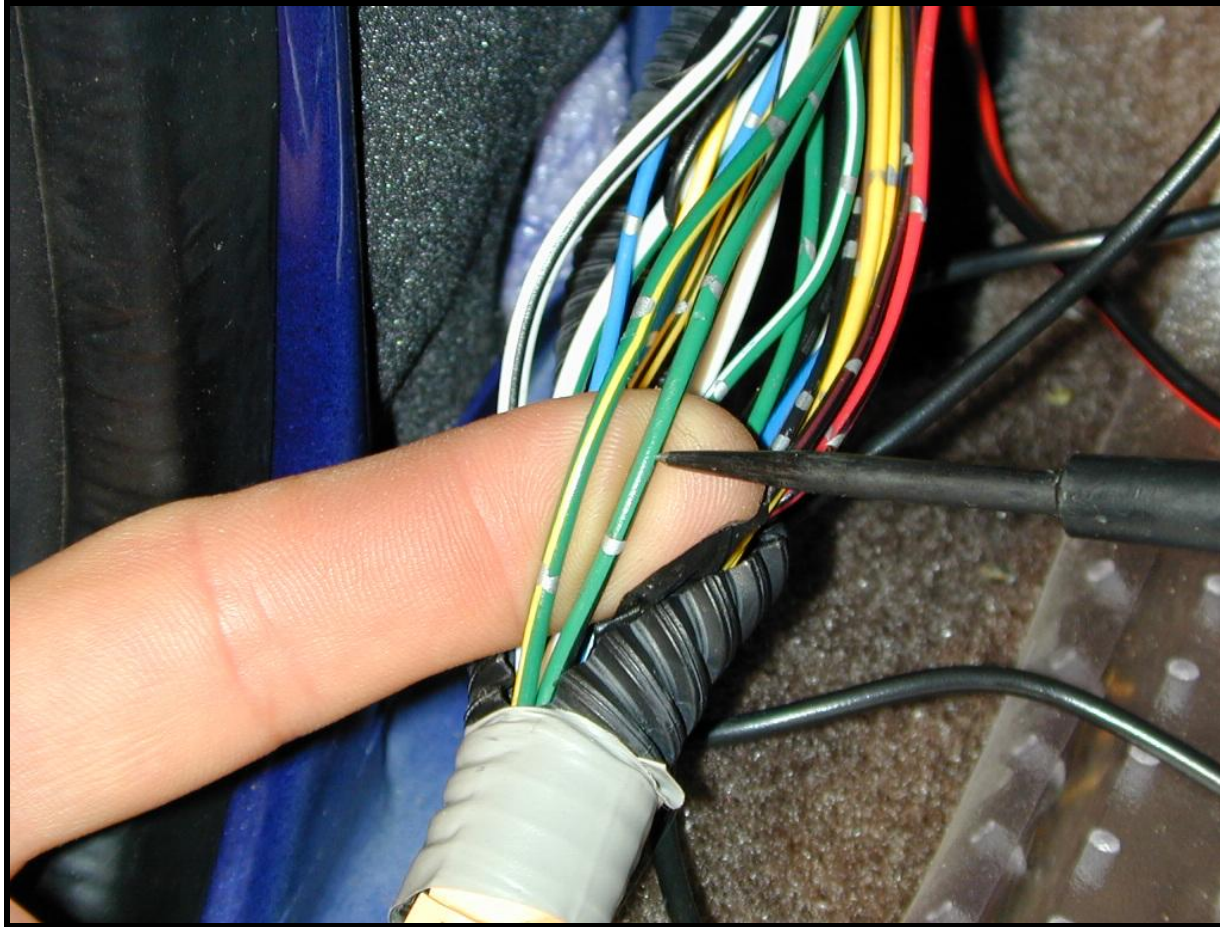


## Wire Identification Continued



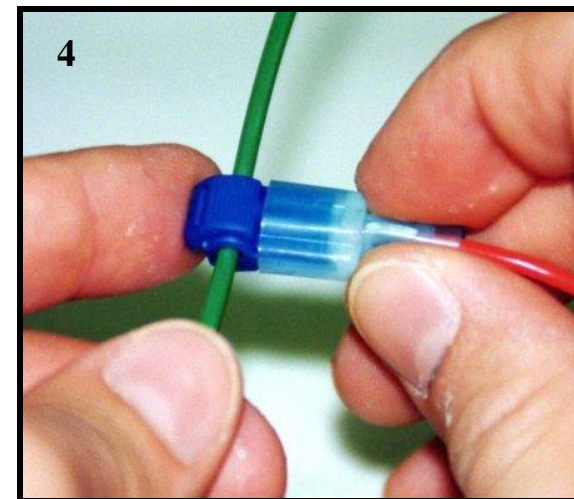
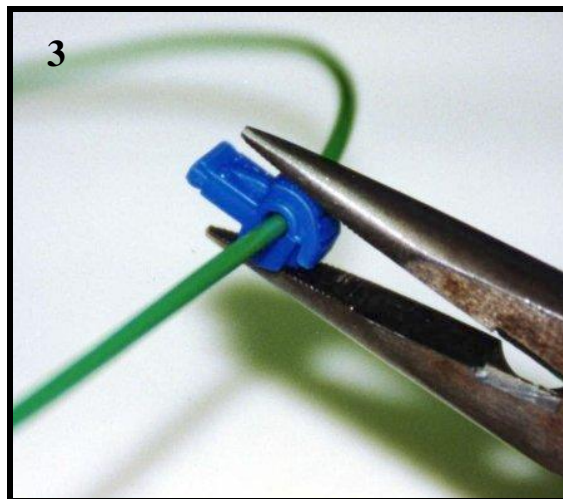
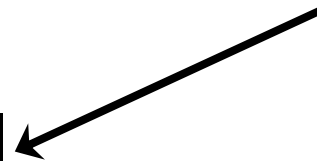
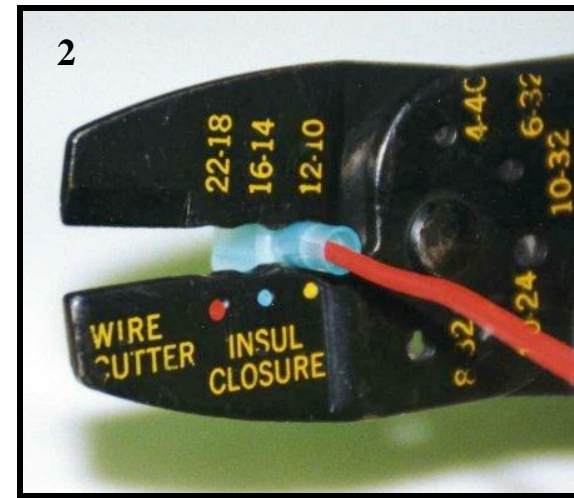
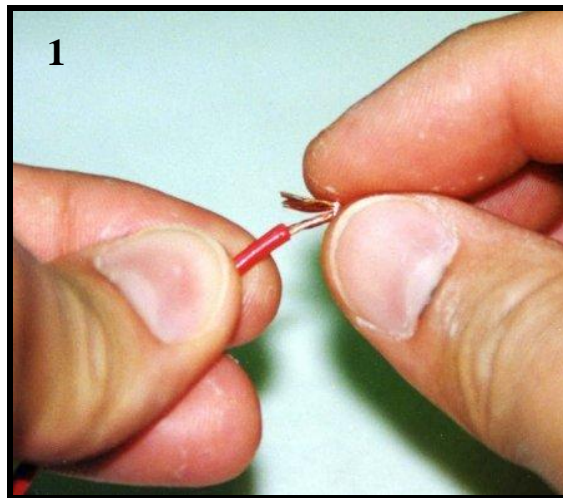
- Left indicator wire – connects to green with black wire (J39-Pin F).
- Left ground wire – connects to white with black wire (J37-Pin F).
- Right indicator wire – connects to green with yellow wire (J53-Pin 5).
- Right ground wire – connects to white with black wire (J53-Pin 6).

# Wire Identification



1. Repeat all of the previous steps to replace the factory mirror on the passenger side door with the new *Signal*<sup>®</sup> mirror. The vehicle's electrical wiring for the driver side turn indicator is located behind the kick panel on the driver side door frame (**block IC1 pin 5 – 2001 to 2002 model year/block J29 pin L – 2003 model year**). The vehicle's electrical wiring for the passenger side turn indicator is located behind the kick panel on the passenger side door frame (**block IJ3 pin 22 – 2001 to 2002 model year/block J44 pin F – 2003 model year**). Guide the new wire harnesses from both sides of the vehicle to the electrical wiring. On the driver side, locate the GREEN WITH BLACK STRIPE wire from within the wire bundle. Turn the ignition key so that electrical power is on and activate the driver side turn indicator. Probe the wire with the wire tester to verify that flashing turn indicator power is present. Label that wire as 'driver side turn'.
2. On the passenger side, locate the GREEN WITH YELLOW STRIPE wire from within the wire bundle. Activate the passenger side turn indicator and probe the wire with the wire tester to verify that flashing turn indicator power is present. Label that wire as 'passenger side turn'.





**USE THE INCLUDED BLUE T-TAPS AND FOLLOW THE 4 STEPS ABOVE TO SPLICE INTO THE TURN INDICATOR AND GROUND WIRES**

1. Make sure the harnesses are routed securely to the wire bundle(s) and enough slack is left for splicing.
2. Tap the RED wire from the driver side harness into the vehicle wire previously labeled 'driver side turn'.
3. Tap the RED wire from the passenger side harness into the vehicle wire previously labeled 'passenger side turn'.
4. Tap the black wires from both harnesses to a suitable ground wire on the vehicle.
5. Activate each turn indicator to verify that the *Signal*® mirrors are working.
6. Wrap an adhesive foam pad around each t-tap connection.
7. Replace both door panels, door accessories, insulation, plastic moldings, and trim pieces.

