



## ***Signal*<sup>®</sup> Mirror Installation Instructions**

**2004-2005 Nissan Titan/Armada, 2005 Infinity QX56**



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

P/N 210-0103-0

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**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
- 2 wire taps
- 2 ring connector
- 1 instruction manual

**REQUIRED TOOLS:**

- Ratchet with extension or ratcheting screwdriver
- 10mm socket
- Socket wrench
- Large slotted screwdriver
- Small slotted screwdriver
- Small pry bar
- Gopher wire
- Electrical tape
- Wire crimper and stripper
- Needle nose pliers
- Multimeter or wire tester
- Sturdy gloves
- Safety glasses or goggles
- Utility knife

**Please read instructions prior to installation.**

**PROBLEMS OR QUESTIONS?**

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

1-800-844-6616

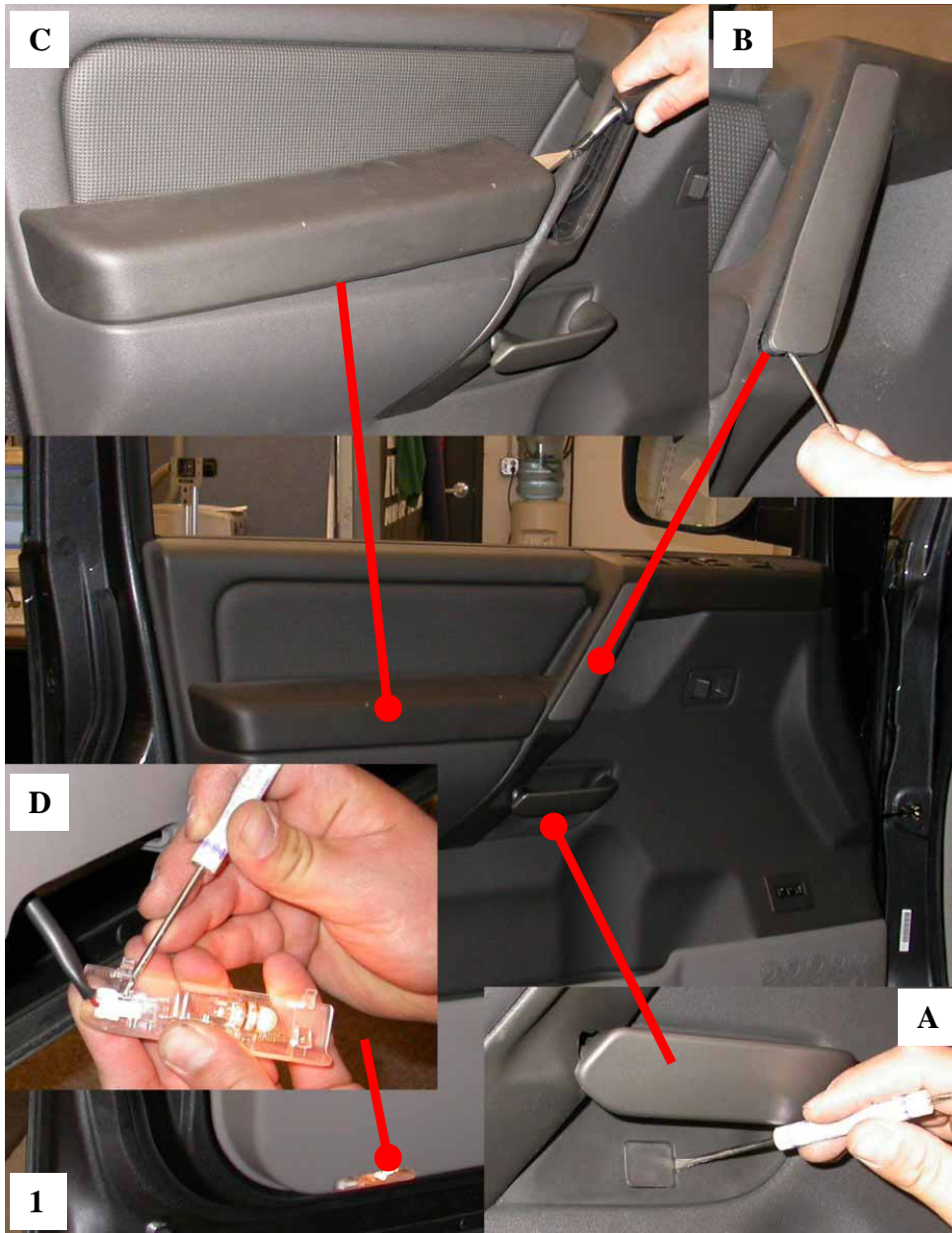
Monday through Friday  
Between 8:00 a.m. and 5:00 p.m. CST

Or through the Muth web site:

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

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

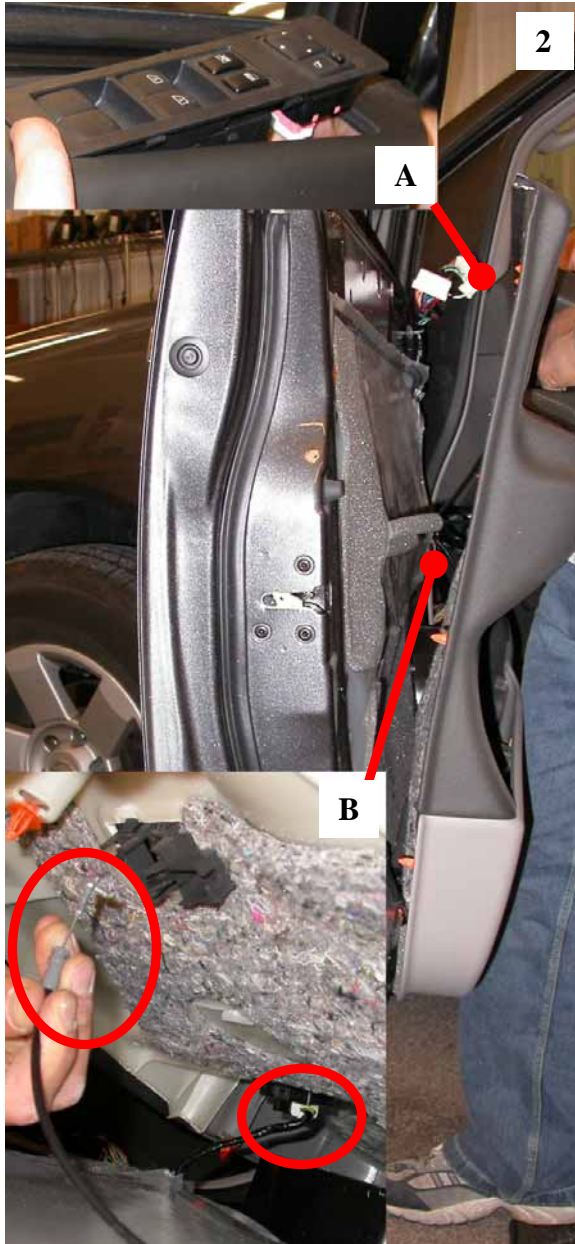
# Door Panel Removal



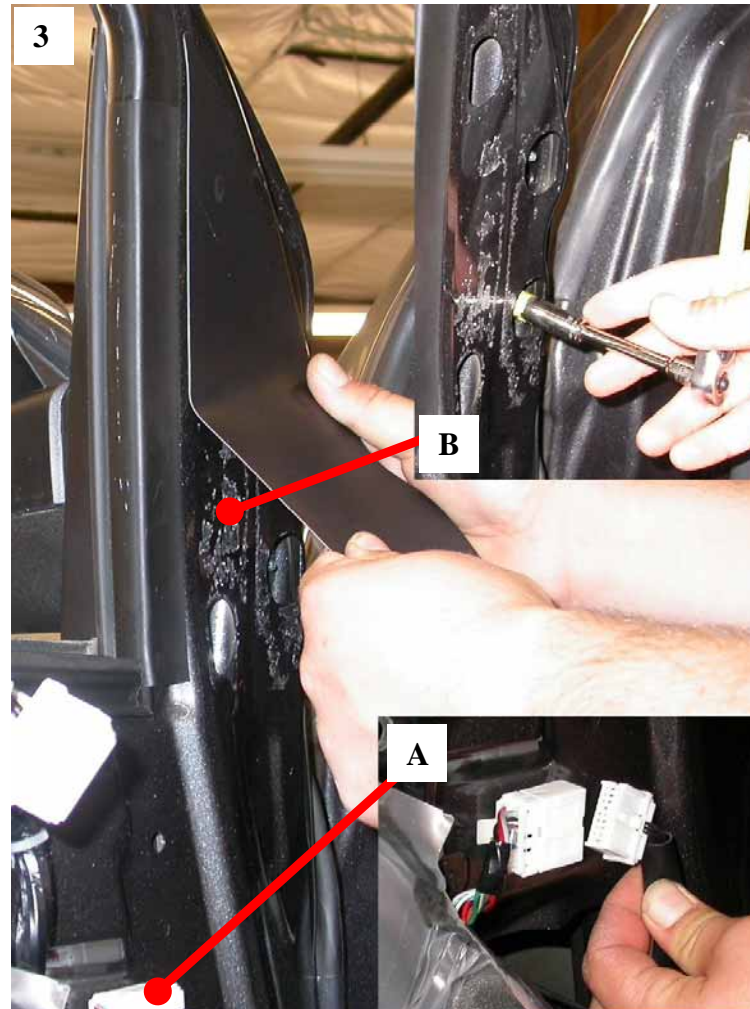
1. Start with opening the driver's side door and lowering the window.
  - A) Using a small slotted screwdriver, carefully remove plastic cover near the handle bar. Remove screw behind the plastic cover. Disengage and remove handle bar cover.
  - B) Pry and remove the grab bar plastic cover with the small slotted screwdriver. Remove the (2) screws revealed by the removal of the grab bar plastic cover.
  - C) Using a small pry bar, pry and detach the arm rest cover. Remove the (2) screws behind the arm rest cover.
  - D) Pop off the door light and disconnect the original wiring connector.



# Door Panel & Mirror Housing Removal

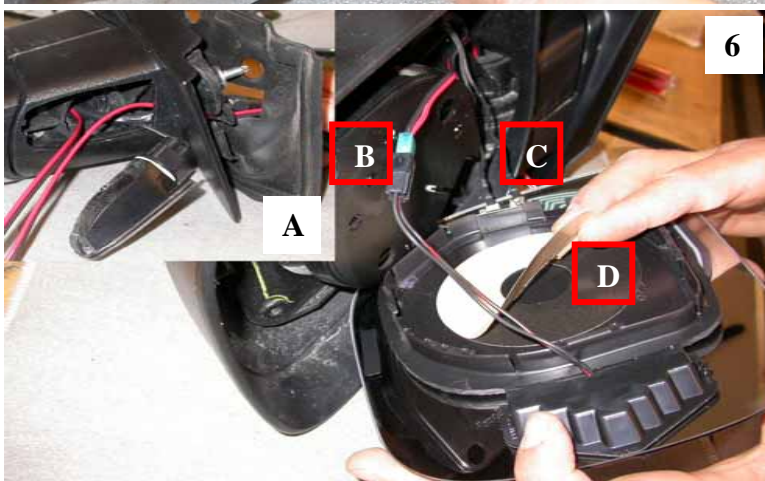


2. Pull all-around door panel to unsnap it from door frame. Lift up and hold door panel a few inches away.
  - A) Lift up, disconnect all wiring connectors and remove control console.
  - B) Disconnect tweeter and any remaining wiring connector. Remove door panel and set it aside.



3. Remove the triangular cover lining.
  - A) Disengage the wiring connection and insert the male end of the connector back inside door frame so it can easily be removed.
  - B) **Caution:** Be careful not to drop the mirror housing. Secure the mirror housing with one hand, remove the (3) nuts holding the mirror housing to the door frame using a 10mm socket. Carefully remove mirror housing from door frame and set mirror housing on a cloth covered surface.

# Mirror Replacement

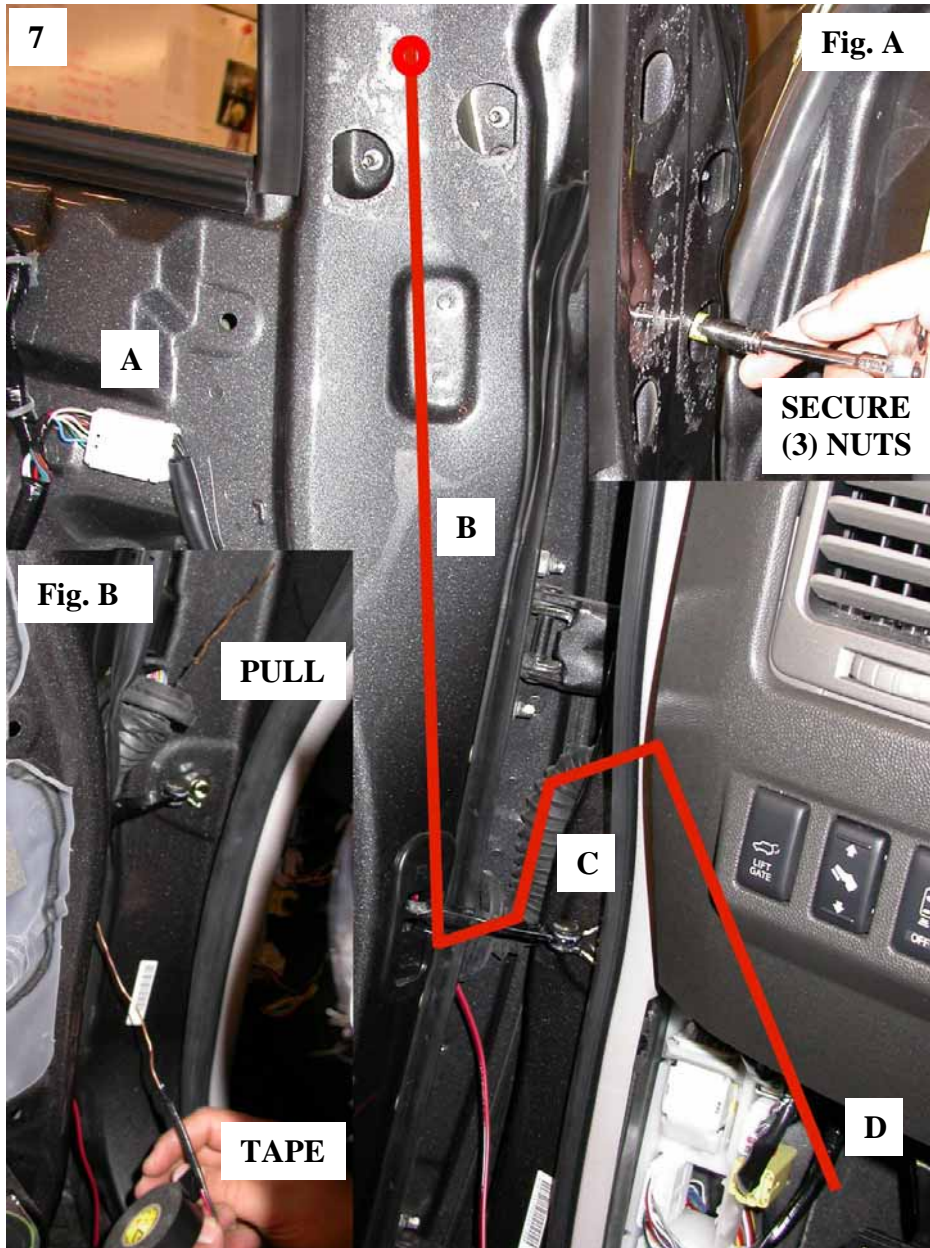


**WARNING! Safety glasses and sturdy gloves are recommended for mirror glass replacement.**

4. Push down on the upper inboard edge of glass until mirror pivots fully outward. Insert a large slotted screwdriver in between the slotted hole. Carefully pry and twist screwdriver until original mirror pops off. **If heated**, disconnect heater wires from heater terminals and remove mirror.
5. Using a small slotted screwdriver, push tab in to release and remove flood light.
6. Remove the rubber insulation on the housing sail.
  - A) Using the shorter of the two harnesses from the wiring kit, guide the end without the mating connector into the mirror housing and out through the mirror mount. Route the *Signal*<sup>®</sup> mirror wire harness alongside original wire harness. Pull the *Signal*<sup>®</sup> mirror wire harness thru housing sail leaving about 4" to 6" of the wire harness inside housing.
  - B) Connect the mating connectors on the new *Signal*<sup>®</sup> mirror and the *Signal*<sup>®</sup> mirror wire harness.
  - C) **If heated**, reconnect the heater wires to the heater terminals on the back of the new *Signal*<sup>®</sup> mirror. **NOTE: There is no polarity so the wires may be interchanged.** Carefully tuck all wiring behind motor actuator. **Not doing so, could result in wiring interfering with mirror travel.**
  - D) Remove the PSA liner on the PSA disc (D). Align and center the motor mount onto the motor actuator. With the palm of your hand, slowly push down on the glass until the new *Signal*<sup>®</sup> mirror snaps into position. Press down on all sides to ensure the new *Signal*<sup>®</sup> mirror is fully seated and functional. Re-attached the rubber insulation onto the housing sail (E).



# Wire Routing



7. Guide the wire harnesses through opening on mirror mount. Position the mirror housing assembly on the mirror mount. Attach the mirror housing to the mirror mount with (3) mirror mounting bolts (**Fig. A**). **WARNING!** Do not over tighten the mirror mounting bolts. Push in and remove both ends of the rubber boot from in between door and vehicle.
  - A) Reach inside door frame and route the original wire loom out and connect its connector together. **WARNING:** Avoid routing the wire loom inside of window track.
  - B) Route the *Signal*<sup>®</sup> mirror wire harness from inside door frame and out the access hole vacated by the door side rubber grommet. **CAUTION:** Avoid routing the *Signal*<sup>®</sup> mirror wire harness inside of window track. Push gopher wire through the grommet (**Fig. B**), and electrical tape the *Signal*<sup>®</sup> mirror wire harness to the gopher wire.
  - C) Pull the *Signal*<sup>®</sup> mirror wire harness through rubber grommet.
  - D) Continue routing the *Signal*<sup>®</sup> mirror wire harness into the vehicle through the access hole vacated by the vehicle side rubber grommet. Pull the remaining *Signal*<sup>®</sup> mirror wire harness through, removing any slack in the harness. Cut the electrical tape with a utility knife and separate the *Signal*<sup>®</sup> mirror wire harness from the gopher wire. Replace both sides of the rubber grommet into position.

**WARNING:** When routing wire into vehicle, it is extremely important to not let wire get pinched or crushed at any time. Avoid window track and sharp edges at all times. Not doing so may cause circuit shortage problems down the road.

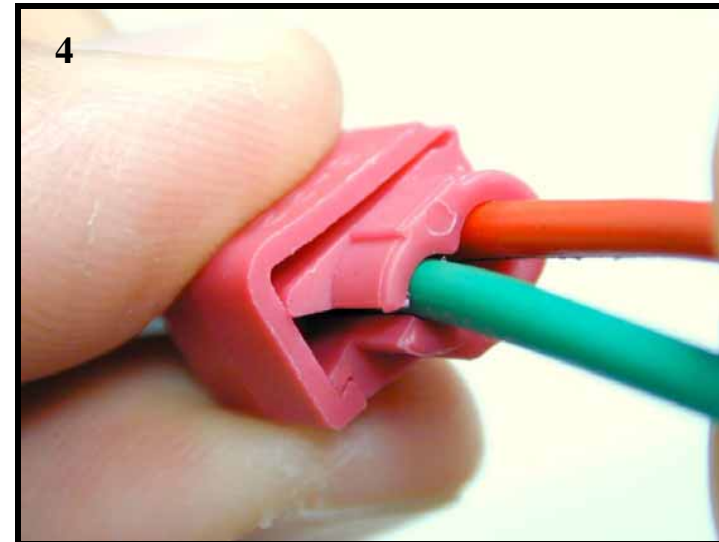
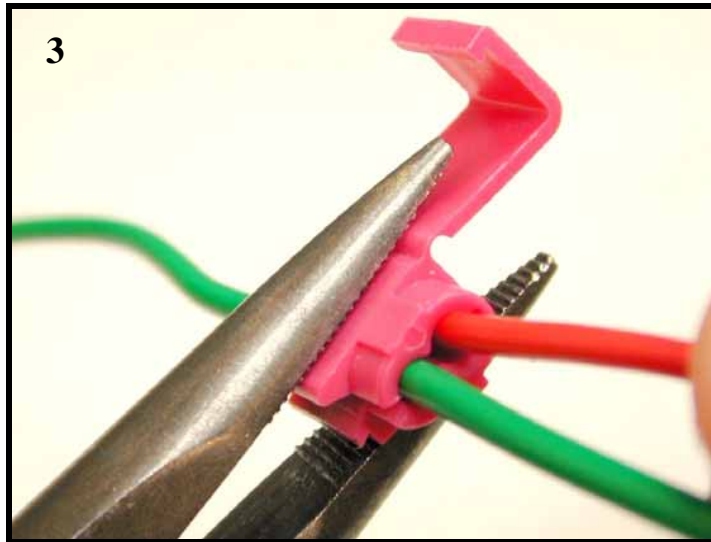
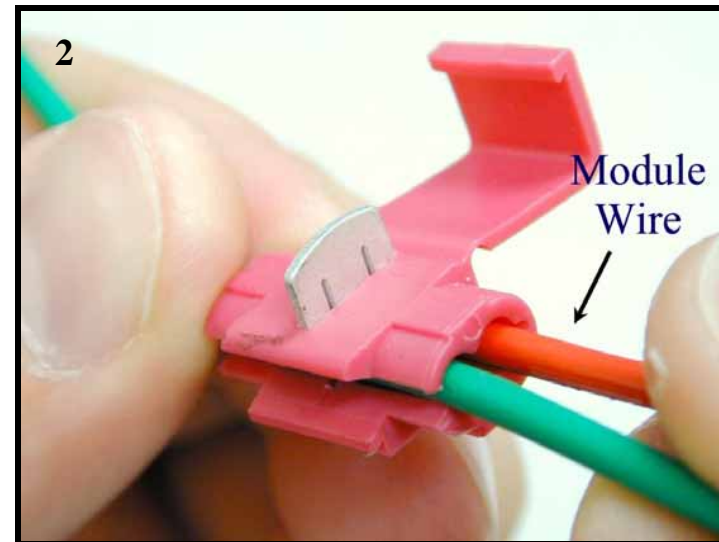
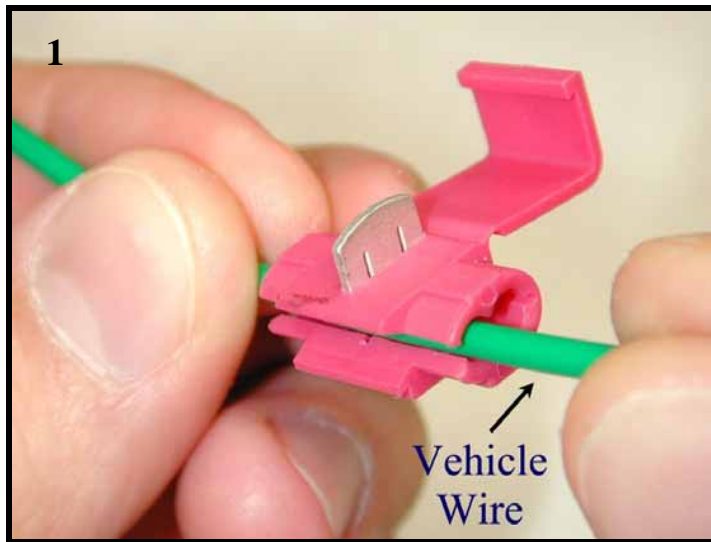
# Wire Identification



8. 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 wirings are located within the kick panel on each side of the vehicle. Route each side of the *Signal*<sup>®</sup> mirror wire harness to its respective side kick panel. Locate the GREEN w/ SOLID BLACK wire 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 directional power is present. Label that wire as 'driver side indicator'. Locate the GREEN w/ SOLID YELLOW wire and activate the passenger side turn indicator. Probe the wire with the wire tester to verify that flashing turn directional power is present. Label that wire as 'passenger side indicator'. \*\***





**USE THE INCLUDED WIRE TAPS AND FOLLOW THE FOUR STEPS ABOVE TO SPLICE INTO THE TURN INDICATOR WIRES**

37. Make sure the harnesses are routed securely under the dash and enough slack is left for splicing.
38. Splice the RED wire from the driver side harness into the GREEN w/ SOLID BLACK wire previously labeled 'driver side indicator' (8A).
39. Splice the RED wire from the passenger side harness into the GREEN w/ SOLID YELLOW wire previously labeled 'passenger side indicator' (8A).
40. Locate a suitable grounding source within the driver side kick panel. Cut and strip the black wire from the driver side harness to length. Crimp the driver side black wire to one of the supplied ring connectors and attach it to a suitable grounding location on the metal framework of the vehicle (8B). Repeat for the passenger side black wire.
41. Activate each turn indicator to verify that the *Signal*® mirrors are working properly.
42. Reconnect all original wiring. Turn the ignition power to on, check to verify all features are working properly.
43. Replace the plastic door frame moldings, trim, door panels, and all accessories.