



Signal® Mirror Installation Instructions

**Dodge Dakota 1997-2004 (5x7), Dodge Dakota 1997-2004 (5x7 manual)
Dodge Durango 1998-2003 (5x7)**



THE safety
accessory of the
21st 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*[®] mirror
1 left and 1 right wire harness
2 wire taps
2 ring connectors
1 instruction manual
2 foam discs

REQUIRED TOOLS:

Ratchet with extension or ratcheting screwdriver
10mm socket
Small slotted screwdriver,
Small Philips screwdriver
Medium Philips screwdriver
Small pry bar, Needle nose pliers
Wire crimper and stripper
Masking tape, Multimeter
Sturdy gloves
Safety glasses or goggles
Scissors or side-cutters

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

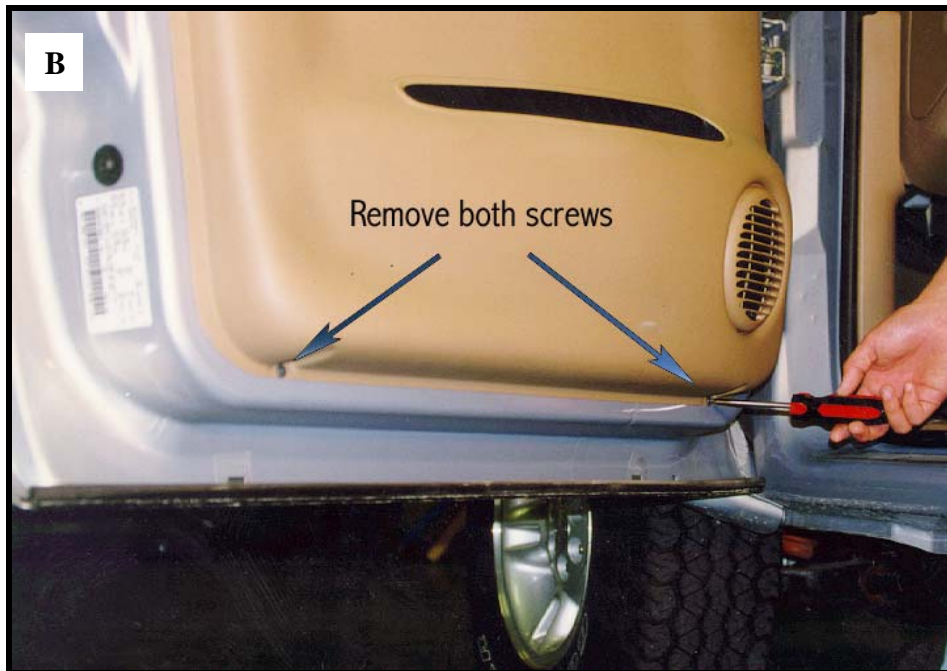
Or through the Muth web site:

www.muthco.com

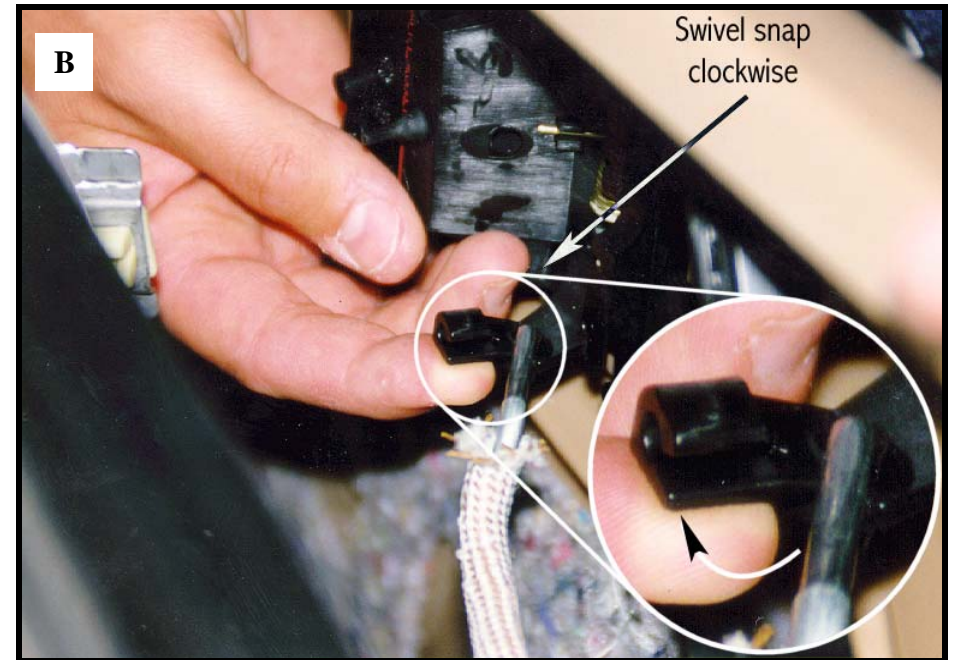
Or via E-mail: techsupport@muthco.com



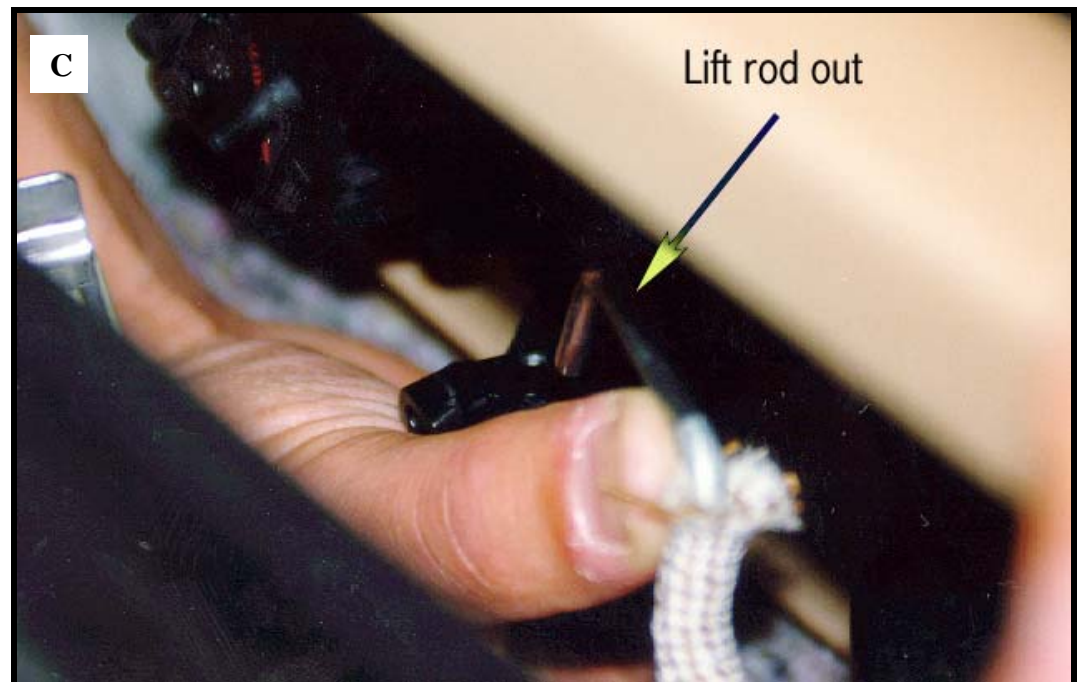
1. Start with the driver's side door and lower the window. **(A)**
2. Use a Philips screwdriver to remove the screw located on the inside corner of the door. **(B)**
3. Hold the door handle open and remove the screw from behind the handle. **(C)**



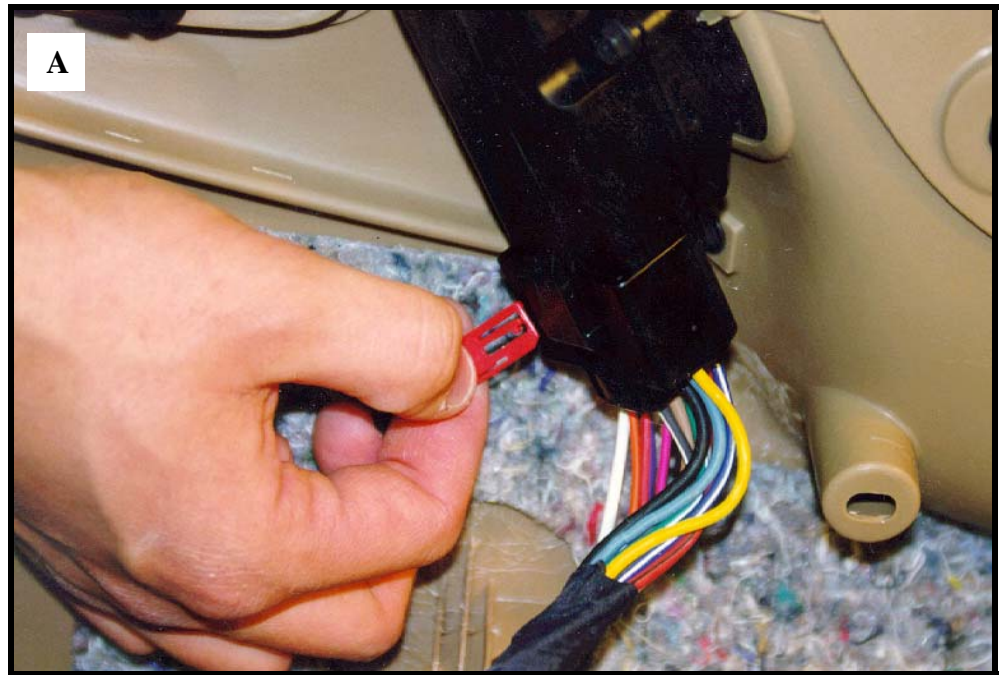
4. Remove the screw from behind the armrest handle. **(A)**
5. Remove the two screws from the bottom of the door panel. **(B)**
6. Lift the door panel off of the door and hold it a few inches away from the door. **(C)**



7. Disconnect the wire that runs from the mirror control knob (A)
8. There is a plastic snap that holds the door linkage to the door handle assembly. To remove the metal rod, use a small slotted screwdriver and swivel the plastic snap clockwise. (B)
9. Lift the metal rod out of the hole. (C)

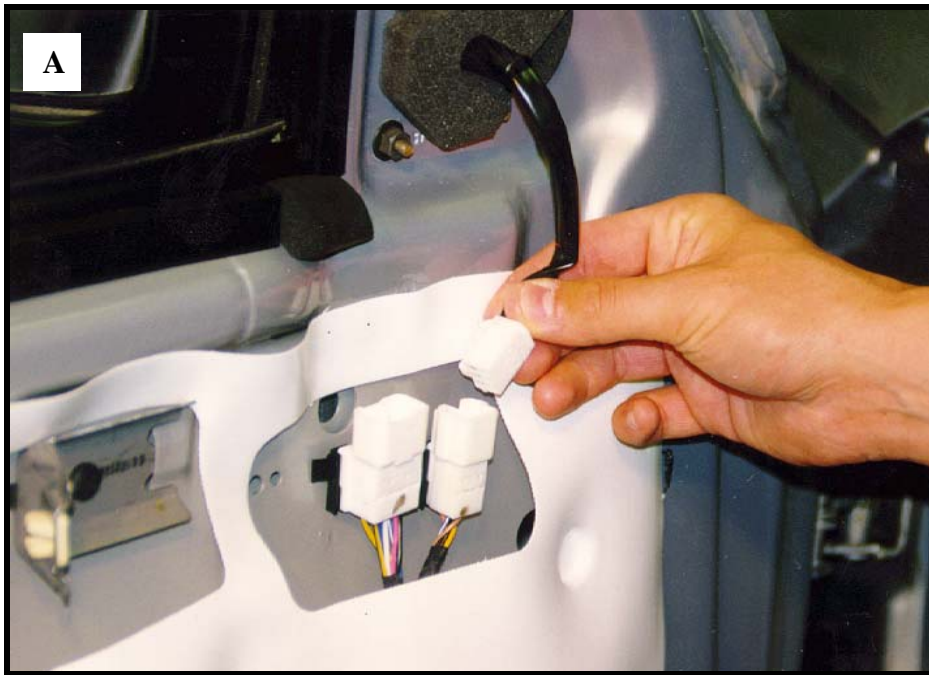


10. Slide out the red plastic key that locks the wire harness for the window control panel in place. **(A)**



11. Disconnect the wire harness from the window control panel. **(B)**





12. Disconnect the mirror wire harness. (A)

13. Secure the mirror with one hand and remove the three mirror mounting nuts from the corner of the door. (B)

WARNING! Be careful no to drop components into the door cavity.

14. Remove the mirror housing assembly from the door. (C)



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

15. Lay the mirror housing on a cloth cover, flat surface. Push on the top edge of the mirror to manually pivot it fully outward. Insert a large flathead screwdriver up and underneath the center of mirror. (A)
16. Slowly and carefully pry until mirror begins to “pop” off. Carefully wiggle and pry until mirror is completely off. (B)
17. Pull the foam insulation a few inches away from the base of the mirror housing. (C)

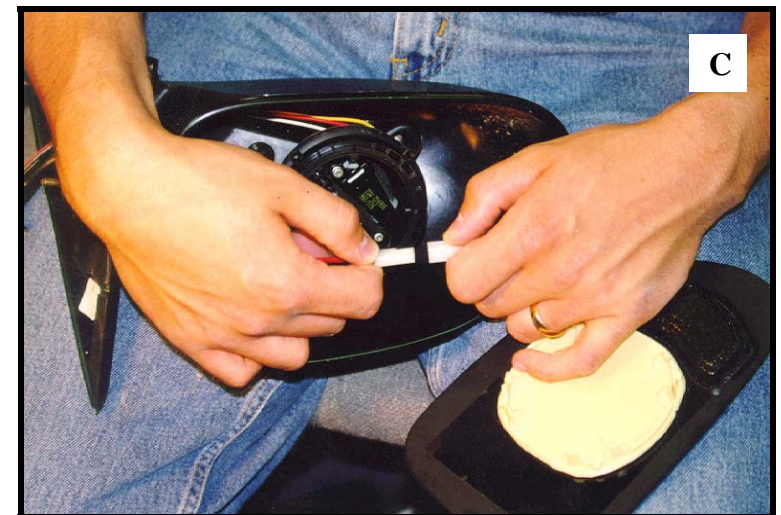




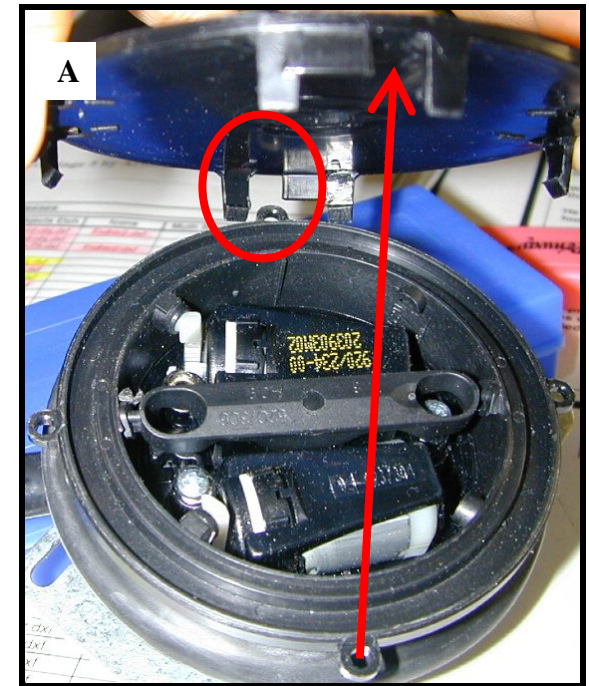
18. Using the shorter of the two harnesses from the wiring kit, guide the end without the mating connector into the mirror housing and out through the mirror mount. **(A)**

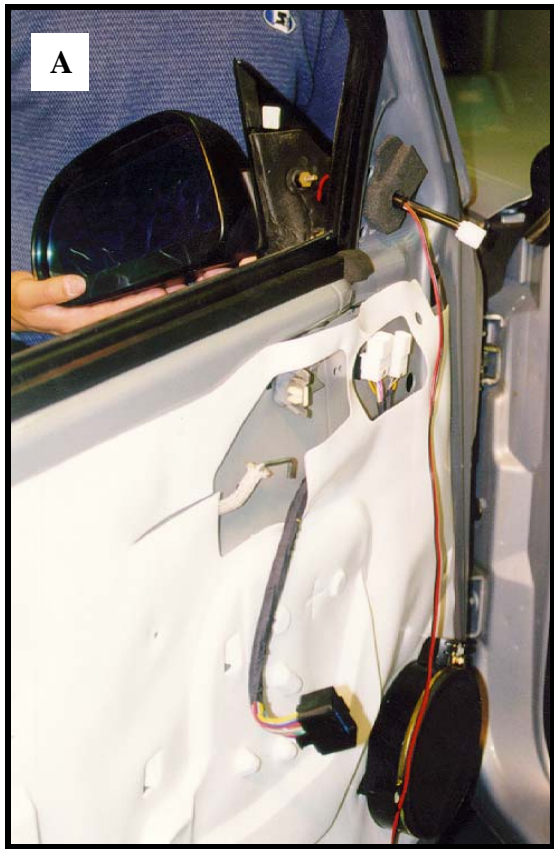
19. Guide the wire through the rubber plug by running alongside the existing factory mirror wire. **(B)**

20. Cut a slot in the foam disc to accommodate the anti-vibration prongs on the motor adapter. Place the foam disc onto the center of the *Signal*® mirror motor interface. Connect the *Signal*® mirror mating connector to the *Signal*® mirror wire harness. **(C)**



21. Place the *Signal*® mirror over the mirror housing. Lightly press in the vibration dampener(s) so they fit into the mirror housing. The dampeners function by contacting the inside wall of the mirror housing. Do not permanently bend them inward.
22. Align the anti-rotation prongs with its corresponding grooves on the *Signal*® mirror motor adapter to the motor actuator. Carefully tuck the anti-vibration tab inside mirror housing. With the entire palm of your hand, firmly press down of the *Signal*® mirror until it snaps into place. (A) (B)
23. Firmly press down on each side of the *Signal*® mirror to ensure that it is fully seated over the mirror mount. (C)





24. Guide the wire harness through the door and position the mirror housing assembly on the mirror mount. Bolt the mirror housing to the mirror mount with three mirror mounting nuts. **(A)**

WARNING! Do not over tighten the mirror mounting nuts.

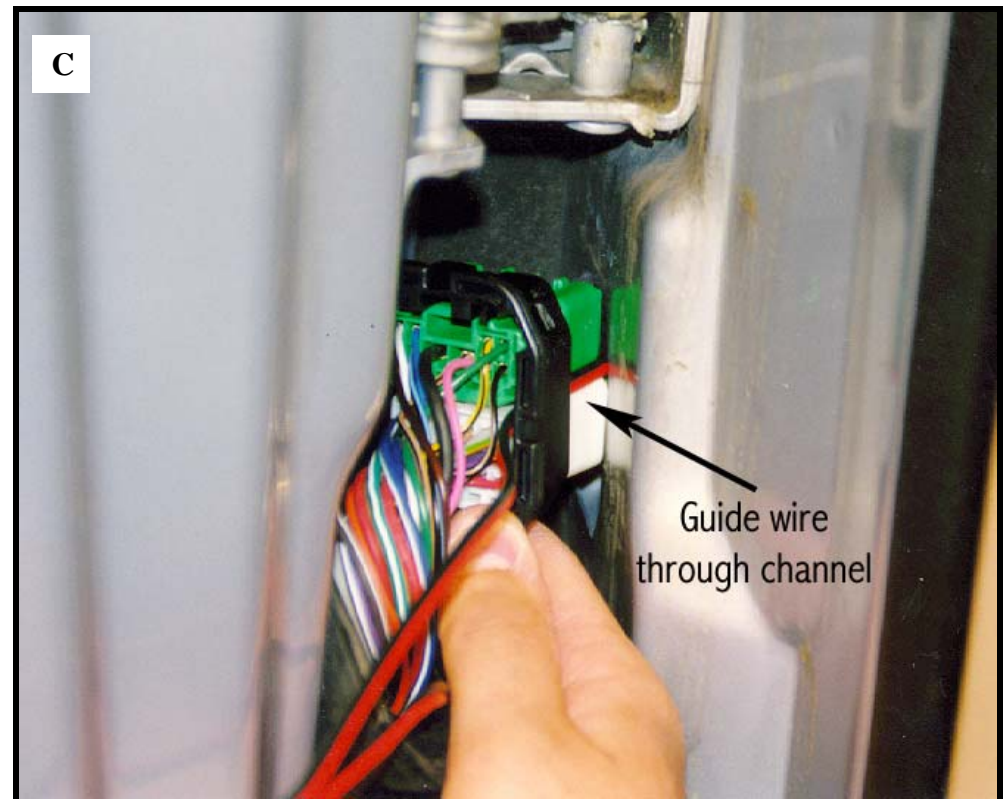
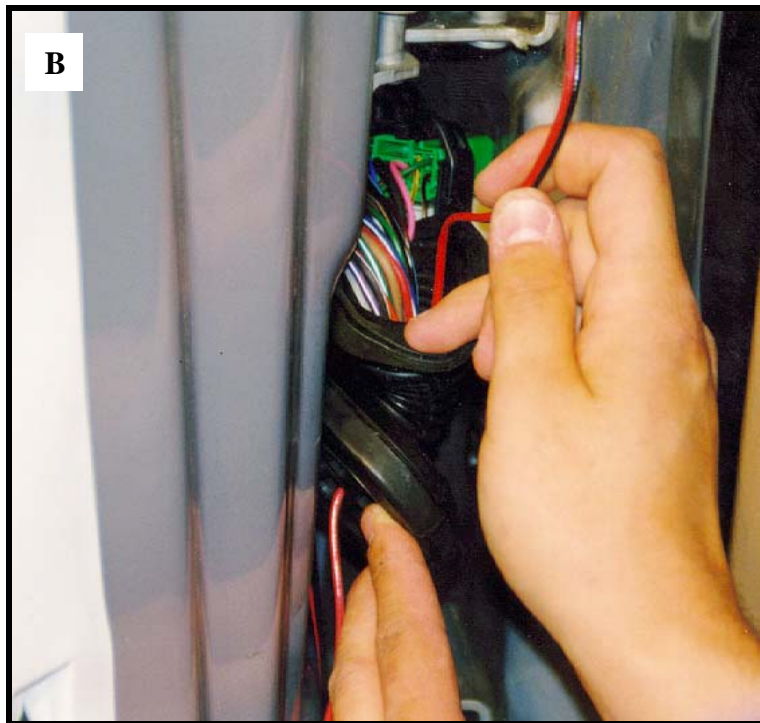
25. Pull back a portion of the plastic door insulation directly below where the factory mirror harness connection is made. Pull the rubber boot out between the door and door frame. Guide the wire harness through the exposed hole in the door and out the opening vacated by the rubber boot. Remove any slack in the wire harness. **(B)**
26. The rubber boot between the door and vehicle wraps around a plastic connector as it enters the door frame. Use a small pry bar to pull out this connector from the door frame. **(C)**

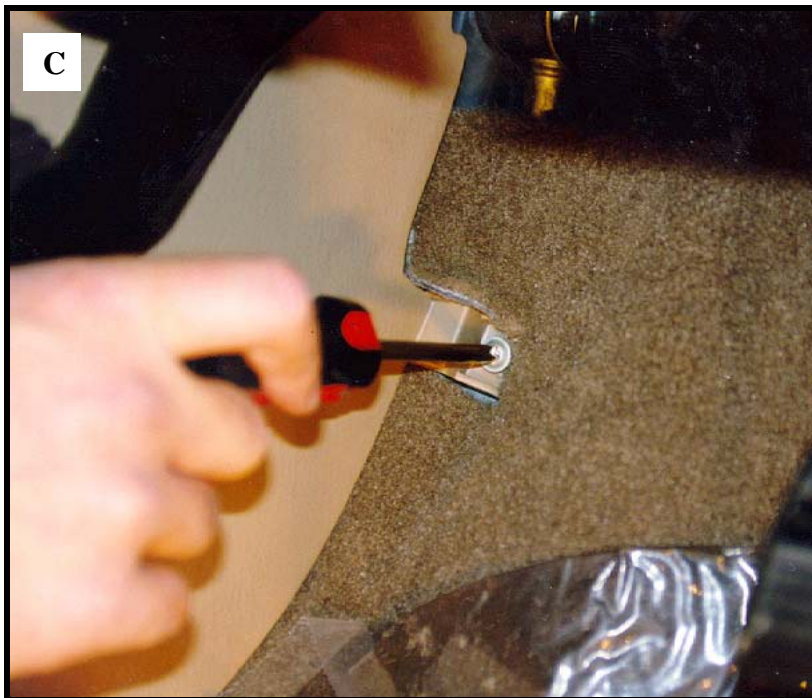
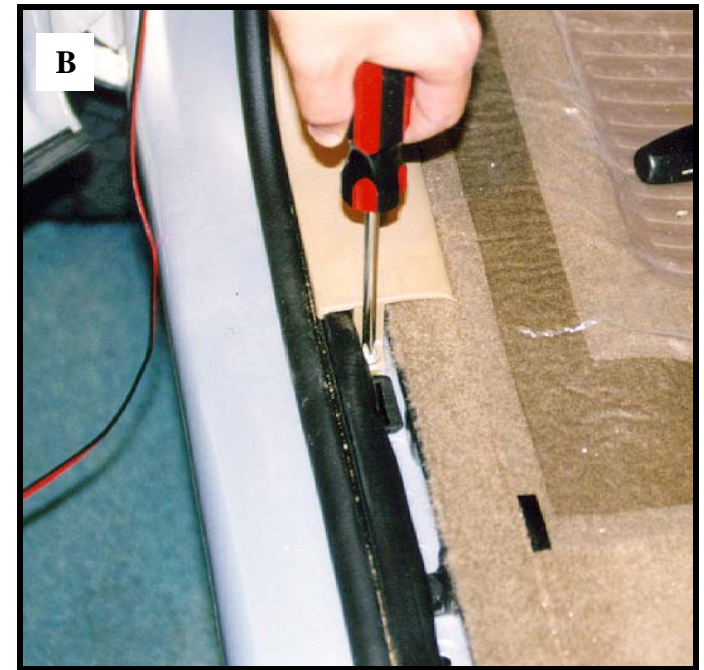


27. Separate the rubber boot from the connector. **(A)**

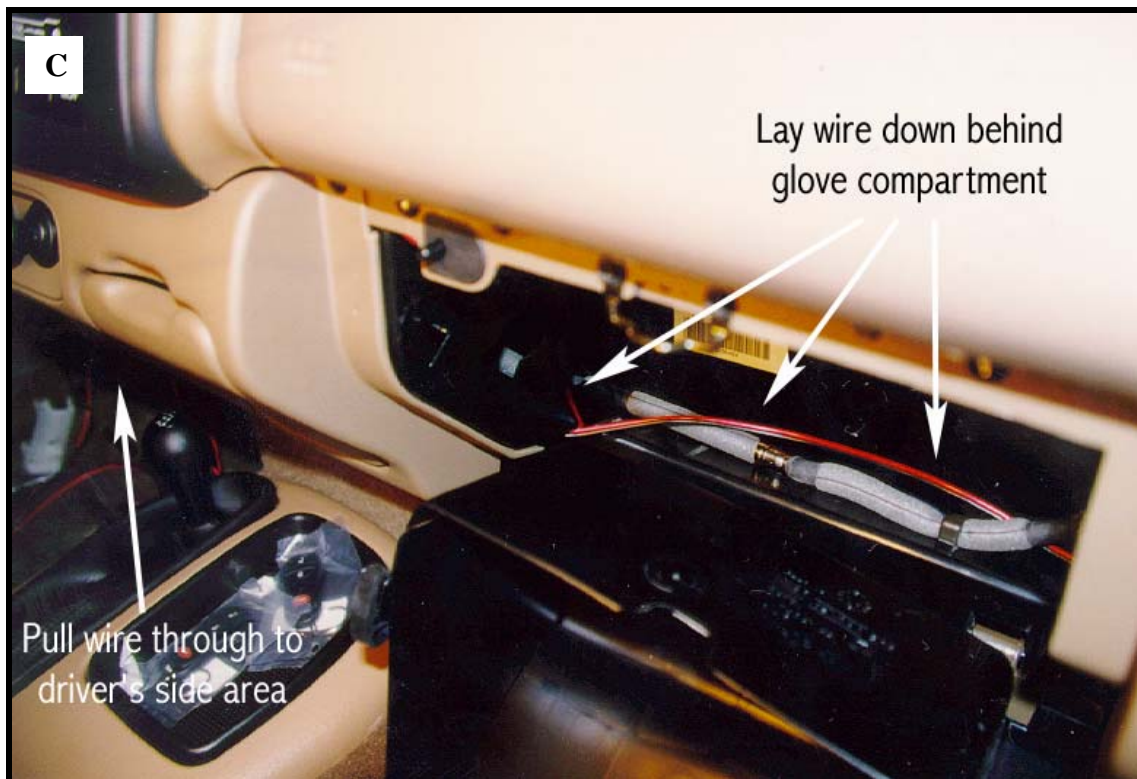
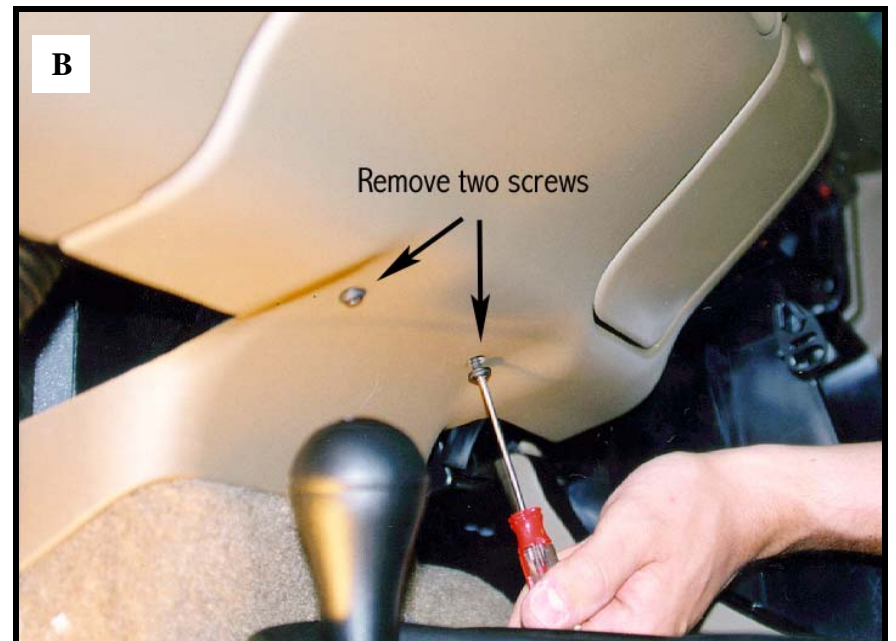
28. Pass the wire harness through the rubber boot and remove any slack in the wire harness. **(B)**

29. There is a small channel between the wire guides and plastic connector. Guide the wire harness through this channel and then pass the wire into the car through the door frame. Remove any slack in the wire harness and stretch the rubber boot back over the plastic connector. Snap the plastic connector back into the door frame. **(C)**

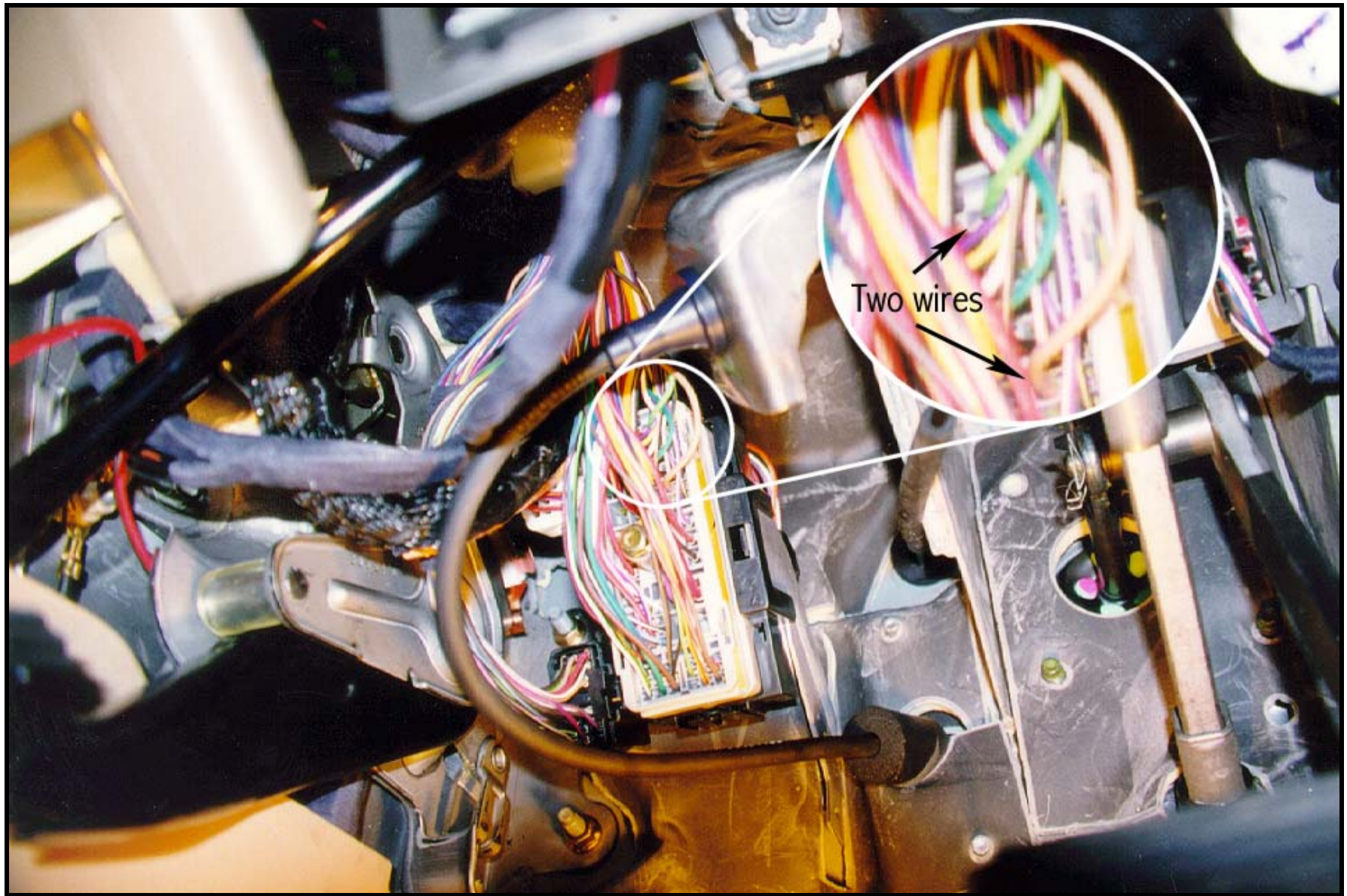




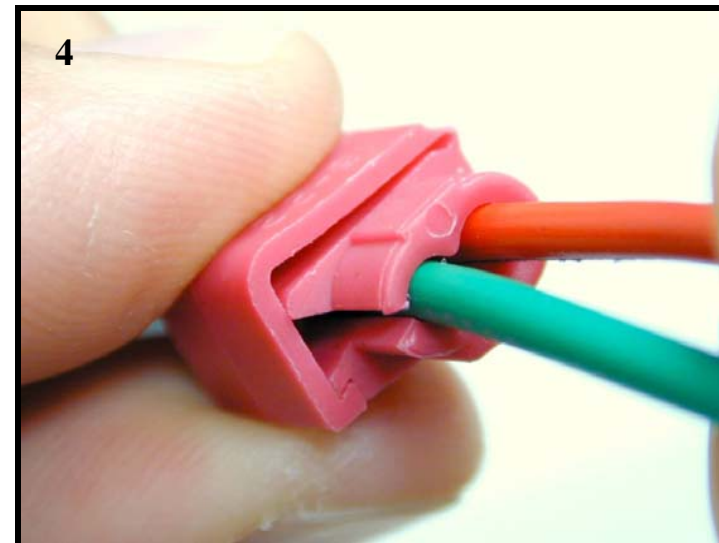
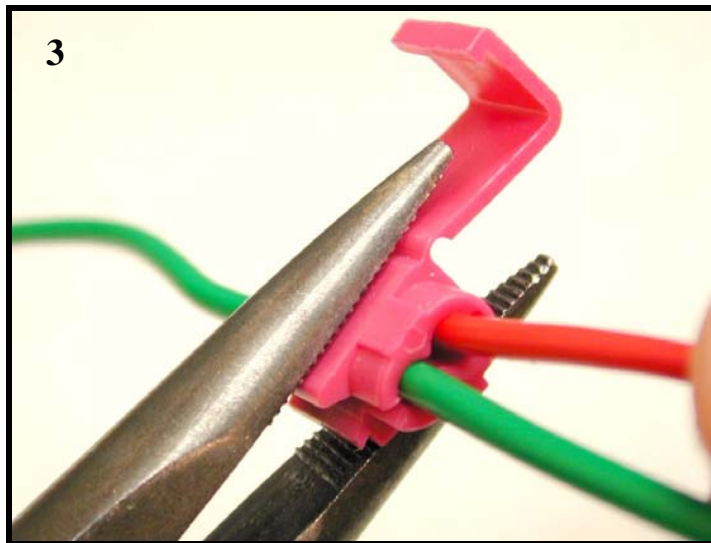
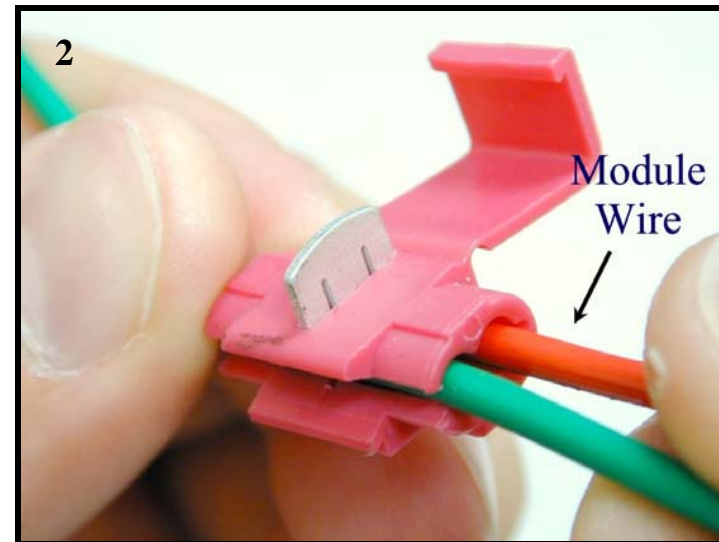
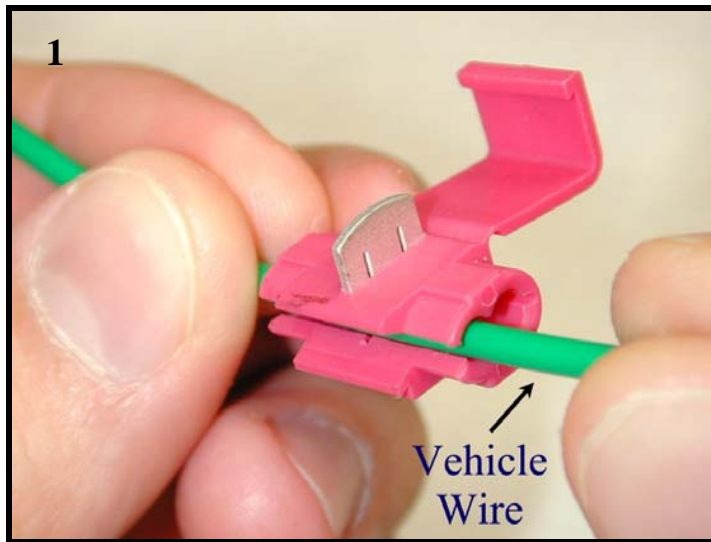
30. To better access the wire harness coming through the door frame the plastic corner molding needs to be removed. Pull off the plastic trim along the floor board. **(A)**
31. Remove the screw at the bottom of the corner molding along the floor board. **(B)**
32. Pull away part of the carpeting and remove the screw on the side of the corner molding. Remove the corner molding. **(C)**



33. Repeat all of the previous steps to replace the factory mirror on the passenger side door with the new *Signal*® mirror. The wire harness for the passenger side mirror needs to run behind the dashboard to the driver side area. Press in on the sides of the glove compartment door and drop it down. **(A)**
34. Remove the two screws from underneath the center of the dash to relieve tension. **(B)**
35. From the passenger side door frame, lay the wire harness down behind the glove compartment. Gently pull down on the center portion of the dashboard and guide the wire harness behind the dash over to the driver side area. Remove any slack in the wire harness. **(C)**



36. The vehicle's electrical wiring is located behind the fuse block underneath the dashboard. Locate the solid LIGHT GREEN wire near the top of the wire block. 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'. Locate the solid LIGHT BROWN wire near the top of the wire block. 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 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 solid LIGHT GREEN wire previously labeled 'driver side turn'.
39. Splice the RED wire from the passenger side harness into the solid LIGHT BROWN wire previously labeled 'passenger side turn'.
40. Strip and twist together the ends of the black wires from each harness. Crimp them together in the supplied ring connector and ground to a suitable nearby location on the metal framework of the vehicle.
41. Activate each turn indicator to verify that the *Signal*[®] mirrors are working.
42. Replace the plastic door frame moldings and trim, door panels, and all accessories.