



Signal[®] Mirror Installation Instructions

Ford Taurus 1996-1999, Mercury Sable 1996-1999



THE safety accessory of the 21st Century.[™]

P/N 210-0031-0

Rev B1 (6-25-04), GG

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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*[®] mirror
- 1 left and 1 right wire harness
- 2 wire taps
- 2 ring connectors
- 1 instruction manual

REQUIRED TOOLS:

- Ratchet with extension or ratcheting screwdriver
- 6mm socket, 8mm socket
- 11mm socket
- Small Philips screwdriver
- Medium Philips screwdriver
- Small pry bar
- Needle nose pliers
- Wire crimper and stripper
- Masking tape
- Multimeter
- Scissors or side cutters
- 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:

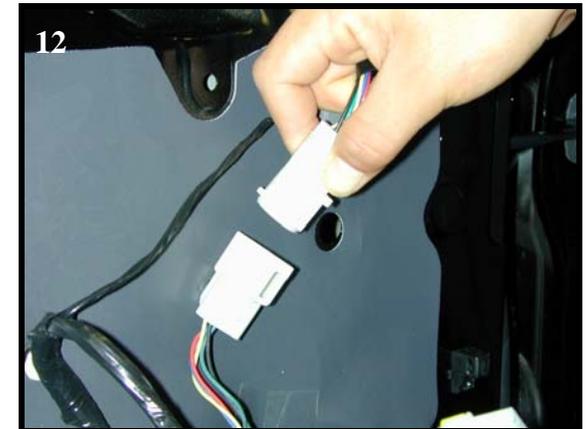
www.muthco.com

Or via E-mail: techsupport@muthco.com

Door panel removal



1. Open door and lower window.
2. Remove screw on outside edge of door.
3. Remove screw on inside edge of door.
4. Remove speaker cover.
5. Remove bolt above speaker.
6. Remove screw from center of door handle.
7. Remove plastic cover from behind door release lever.



8. Lift door panel up off of door.
9. Disconnect wire from back of mirror control panel.
10. Remove bolt below speaker.
11. Disconnect speaker wire. Set speaker aside.
12. Disconnect mirror wire harness.
13. Remove three mirror mounting bolts.
14. Remove mirror assembly from door.



Mirror replacement



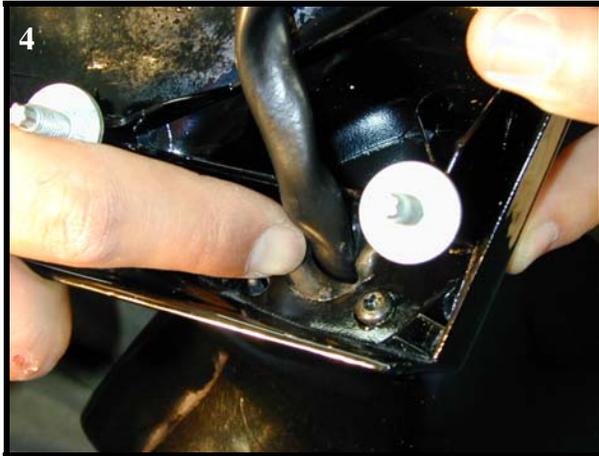
1 While using sturdy gloves, position your fingers behind the outboard edge of the mirror. Pull back on the mirror to dislodge it from the center hub and remove the mirror from the housing.



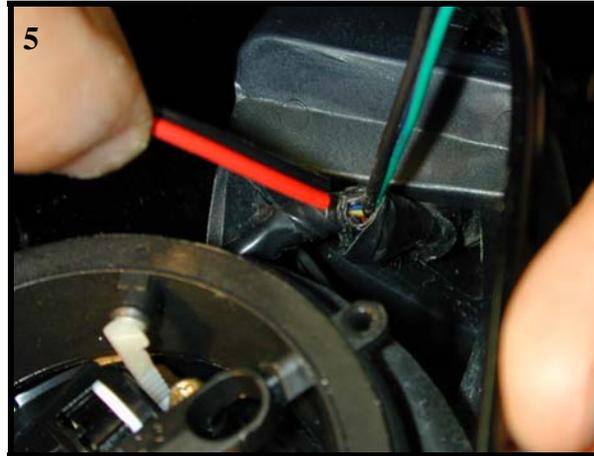
2 If your mirrors have the heater option, disconnect the heater wires at this time. Carefully remove the foam disc from the back of the mirror and set it aside.



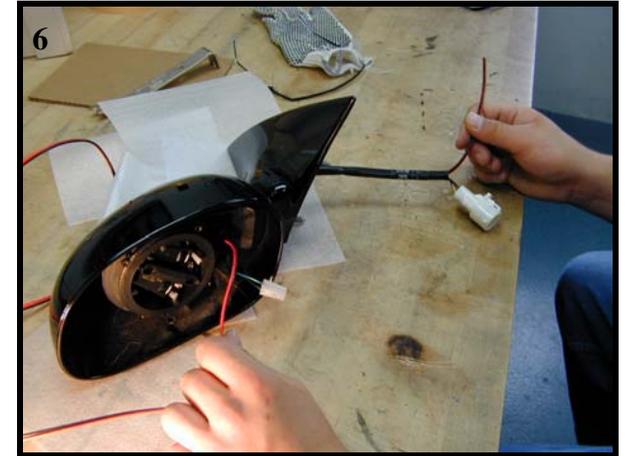
3 Carefully peel back the foam insulation on the mirror housing sail.



4 Press in the rubber grommet into the mirror housing that surrounds the mirror harness.



5 Pull some of the factory wire harness into the mirror housing. Using the shorter of the two wires from the kit for the driver side door, guide the end without the connector into the sheath alongside the existing wire.



6 Pull the wire through the rubber sheath until six inches of wire remain exposed.



Pull the rubber grommet back out from the mirror housing and reposition.



Cut a slot in the foam disc just large enough to accommodate the anti-rotation prongs on the motor adaptor (on the *Signal*® mirror). Place the foam disc on the back of the *Signal*® mirror. If your mirrors have the heater option, connect the heater mirrors at this time. Connect the *Signal*® mirror mating connector to the *Signal*® mirror wire harness.



Tuck the wires toward the back of the mirror housing. Align the *Signal*® mirror over the center hub of the mirror housing and firmly press the mirror into the housing until it snaps into position.

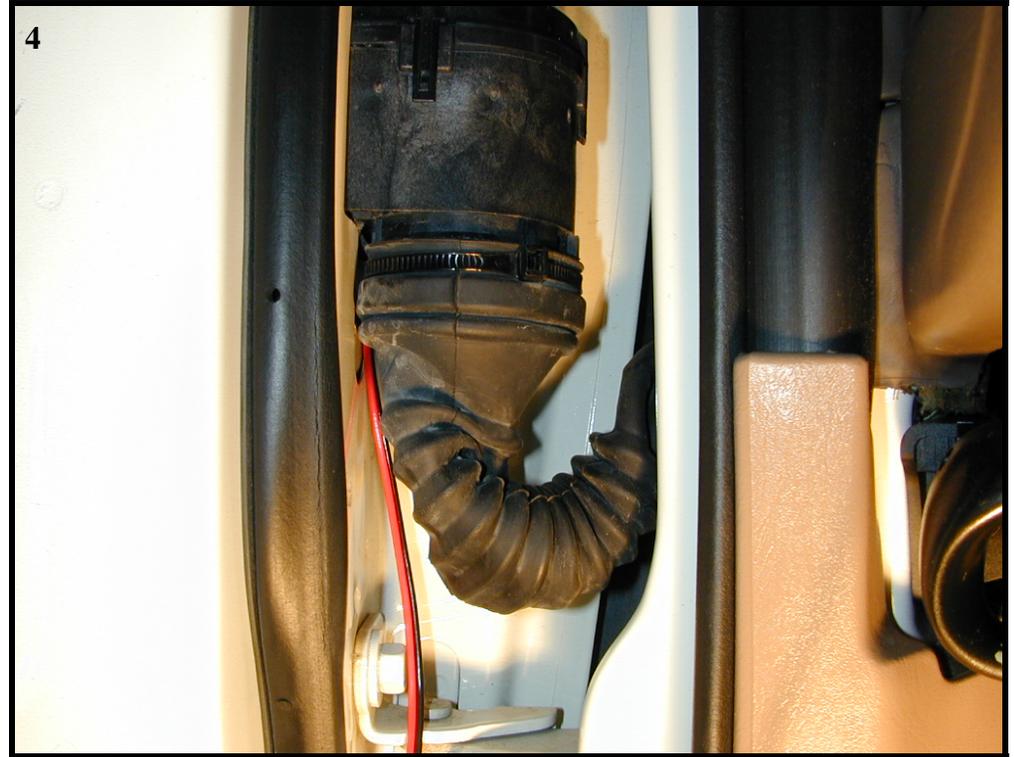
Wiring - 1



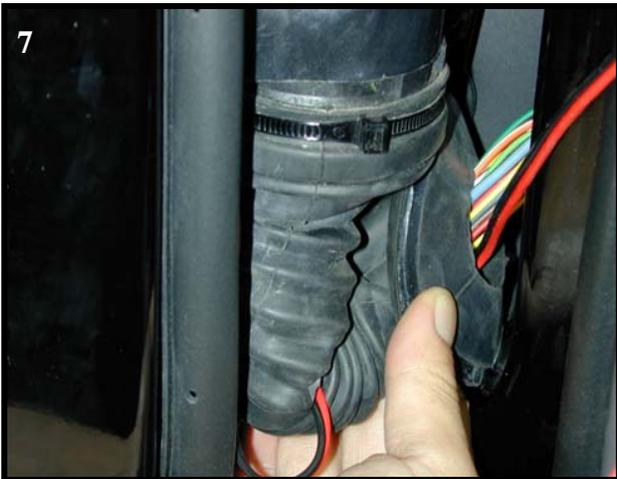
1. Remove the screws around the door speaker.
2. Remove the speaker from the door, disconnect the speaker wire, and set the speaker aside.



3. Guide the wire harness down into the door and bolt the mirror housing on the door. On the inside of the door there are two small holes at the bottom of where the plastic canister base is attached. The holes may be hidden behind foam insulation. Guide the wire harness through the left hole and out of the door.

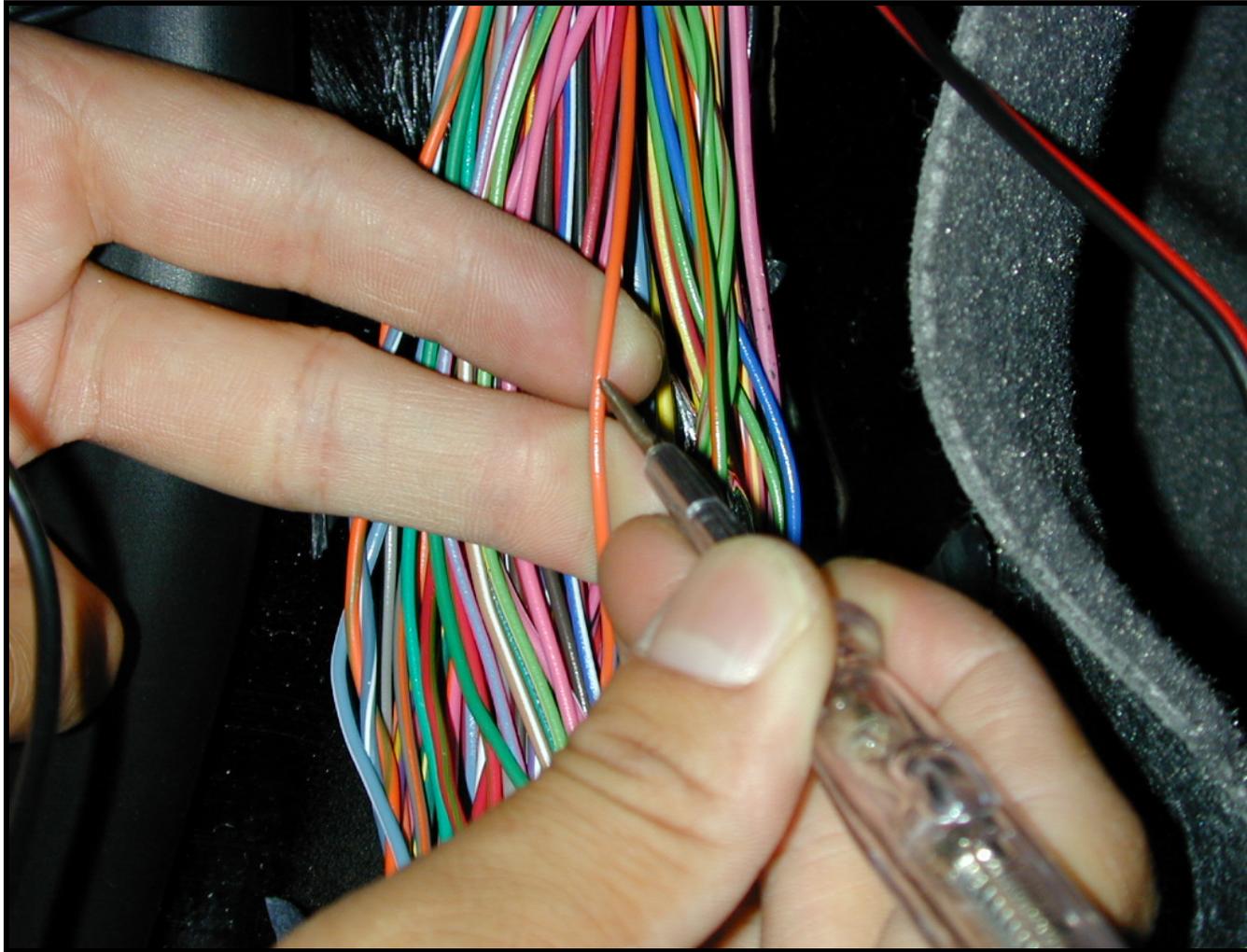


4. Pull the wire out between the door and door frame and remove any slack in the wire.

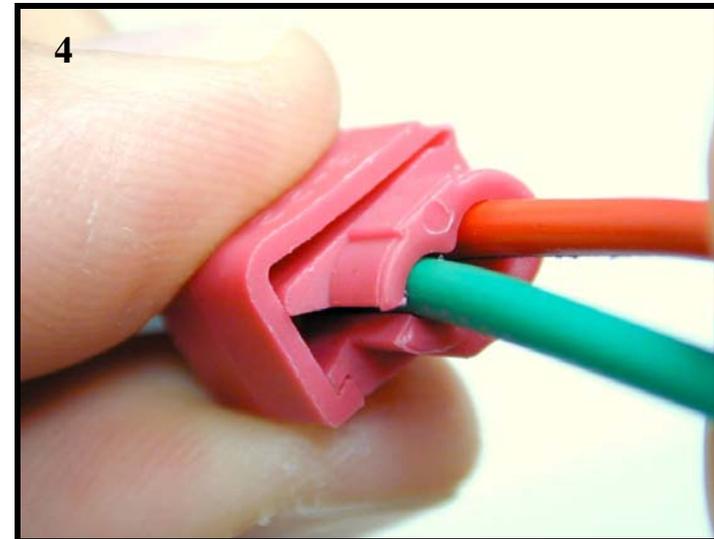
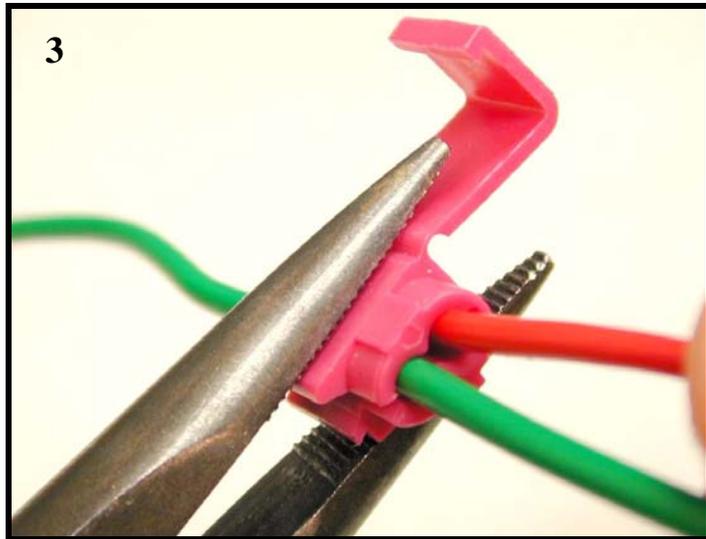
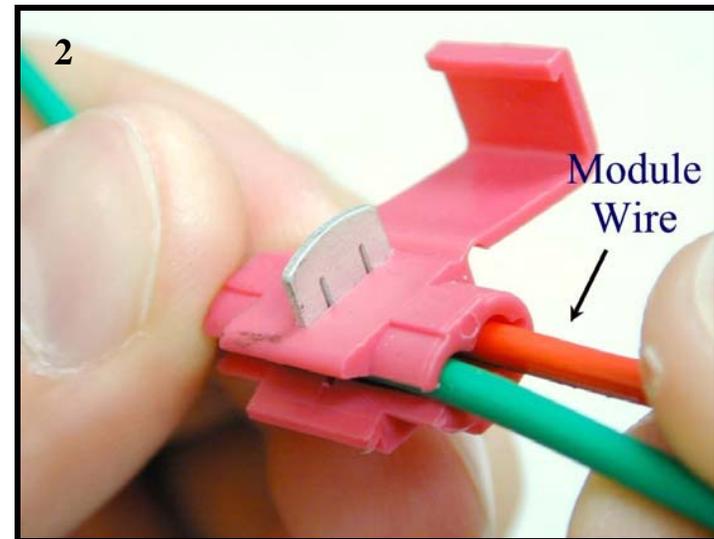
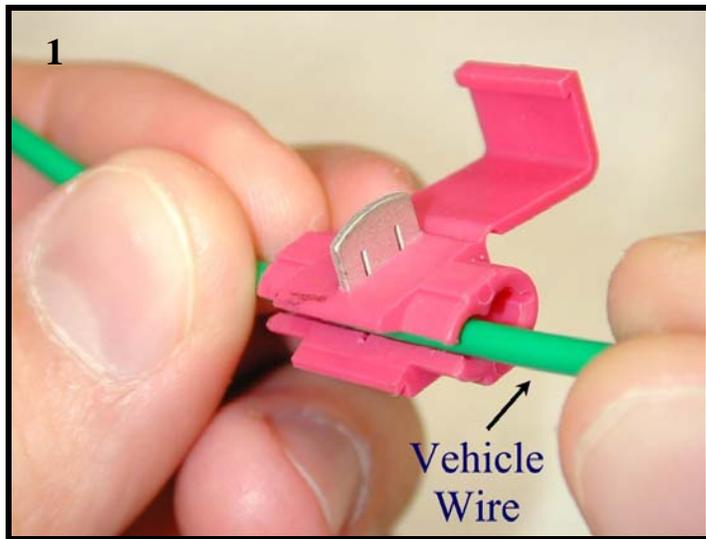


5. Pull the rubber boot out from the door frame.
6. There are two holes at the bottom of the rubber boot. Guide the wire harness into one of the holes.
7. Remove any slack in the wire harness until the harness is hidden behind the rubber boot.
8. Remove the plastic molding along the bottom of the door frame.
9. Pass the wire into the vehicle, remove any slack in the wire, and position the rubber boot back in the door frame. Repeat all of the previous steps to replace the mirror on the passenger side door with the new *Signal*[®] mirror.

Wiring - 2



5. Guide the new wire harnesses from both sides of the vehicle down to the bottom of the driver side door frame. Roll over part of the carpeting along the door frame to expose the electrical wiring. Locate the GREEN WITH ORANGE 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'.
6. Locate the ORANGE WITH BLUE 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 WIRE TAPS AND FOLLOW THE FOUR STEPS ABOVE TO SPLICE INTO THE TURN INDICATOR WIRES

7. Make sure the harnesses are routed securely to the bottom of the driver side door frame and enough slack is left for splicing.
8. Splice the RED wire from the driver side harness into the green with orange stripe wire previously labeled 'driver side turn'.
9. Splice the RED wire from the passenger side harness into the orange with blue stripe wire previously labeled 'passenger side turn'.
10. Strip and twist together the ends of the black wires from both harnesses. Crimp them together in the supplied ring connector and ground to a suitable nearby location on the metal framework of the vehicle.
11. Activate each turn indicator to verify that the *Signal*[®] mirrors are working.
12. Replace any door accessories, door panels, plastic moldings, and trim pieces.