



Signal[®] Mirror Installation Instructions

Chevy Silverado 2006, Chevy Suburban 2006, Chevy Tahoe 2006, GMC Sierra 2006, GMC Yukon XL 2006, GMC Yukon Denali 2006, Chevy Avalanche 2006



THE safety accessory of the 21st Century.TM

P/N 210-0119-0

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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*[®] 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
- 10mm socket
- 7mm socket
- 8mm socket
- Small slotted screwdriver
- Medium Philips screwdriver
- Needle nose pliers
- Small pry bar, Heater Gun
- Gopher wire
- Electrical tape
- Wire crimper and stripper
- 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

Or via E-mail: techsupport@muthco.com

Door Panel Removal



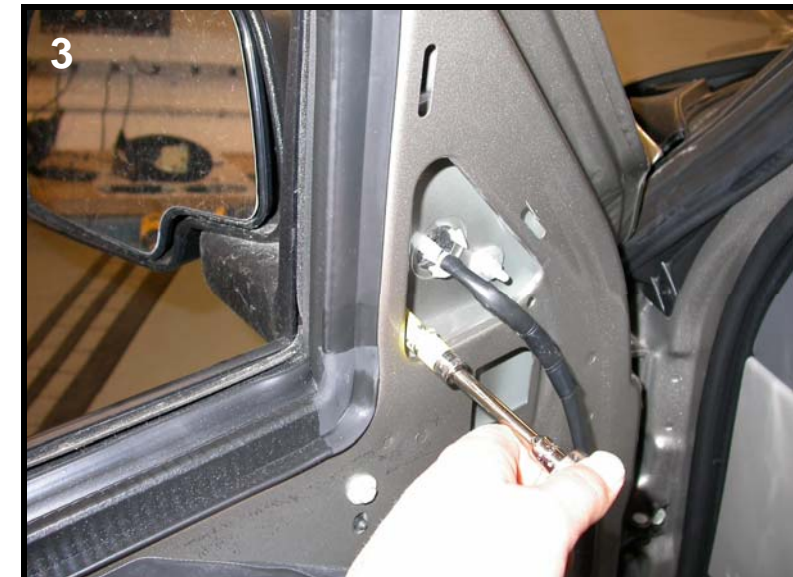
1. Remove lock cover by prying with small screwdriver from the outside of cover.
2. Using 7mm socket, remove the (3) bolts – first one behind lock cover, second one under door handle, and last one on the bottom of door panel.
3. Pry off cover that goes around door lever.



Mirror Housing Removal



1. Remove small triangular cover from top of door panel.
2. Lift door panel up and away from door. Disconnect all wiring connections.
3. Using 10mm socket, remove (3) bolts holding the mirror housing to the door. Remove mirror housing from door.



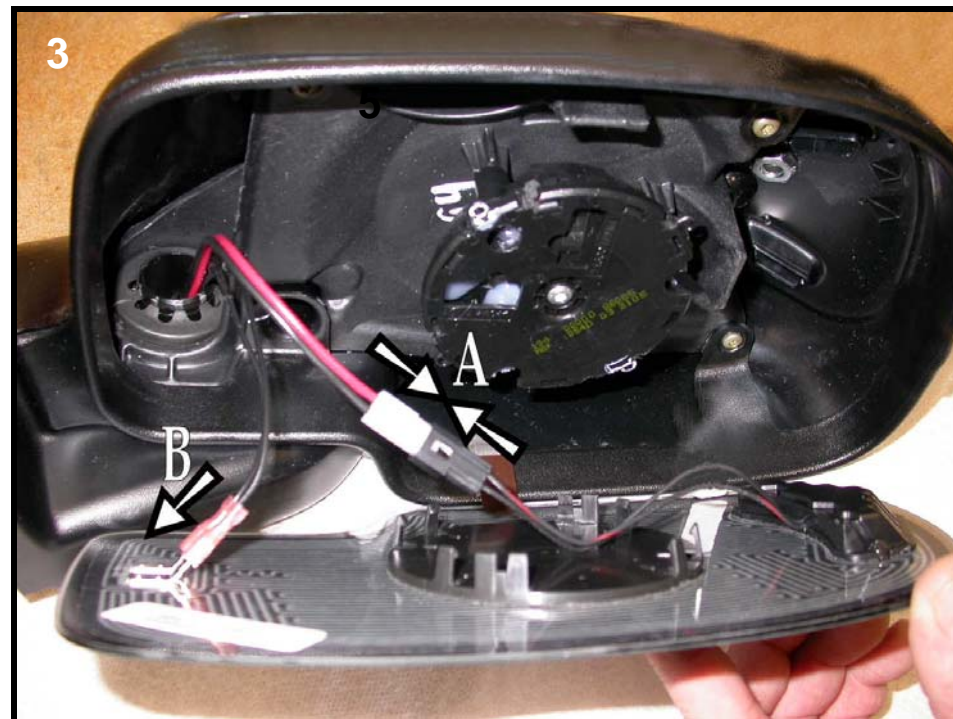
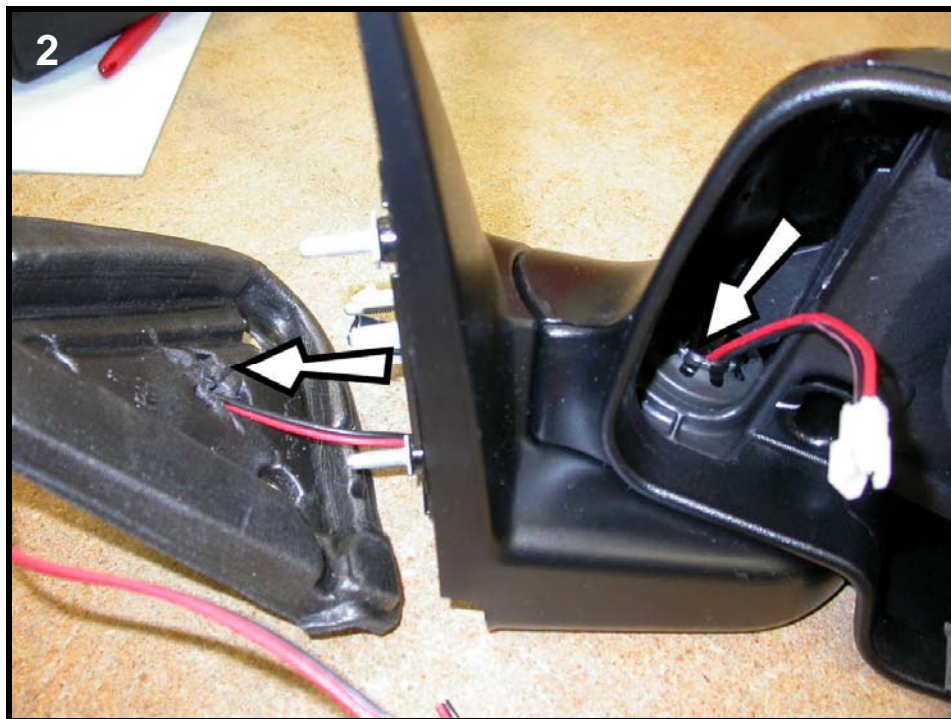
Mirror Replacement



Caution: Safety glasses and sturdy gloves are highly recommended for the following steps.

1. Place the mirror housing on a clean level surface. Push on the outer edge of the mirror to manually pivot it fully outward so a small pry bar can be inserted under its inner edge. Apply gentle pressure with the pry bar until the mirror backing plate begins to unsnap from the motor. Move the pry bar around the mirror and pry again until the mirror backing plate further unsnaps from the motor. Pull the mirror off of the motor. Some force may be required to free any remaining snaps but it should not be excessive. If you can not remove the mirror without excessive force, apply the pry bar further around its edge to loosen more snaps. Then try again. **If you have heated mirrors**, disconnect the wires when you remove the mirror. The polarity for the heaters is reversible so it is not necessary to label the wires.

Mirror Replacement Continued



2. Pull back the rubber insulation on the mirror mounting frame to expose the wire routing passage. Locate the correct *Signal*[®] mirror harness (short for driver side and long for passenger side) and slide the end with no connector through the routing passage (from the inside of the mirror housing) and through the hole in the rubber insulation. Leave about 6 inches of slack in the harness near the motor pack.
3. Connect the *Signal*[®] mirror leads to the harness (3A). **If you have heated mirrors**, connect the wires to the heater terminals at this time (3B). Place and align the *Signal*[®] mirror motor mount over the motor puck. Place the palm of your hand on the center of the glass and press firmly until you hear the snaps engage onto the motor puck. Press on the top, bottom and both sides of the mirror to ensure complete attachment to the motor puck. (Mirror should be pivoted through its full range of travel during this step.)

Mirror Housing Attachment



1. Route *Signal*[®] mirror wire harness through hole along OE wire harness.
2. Using 10mm socket, reconnect the (3) bolts holding the mirror housing to the door.

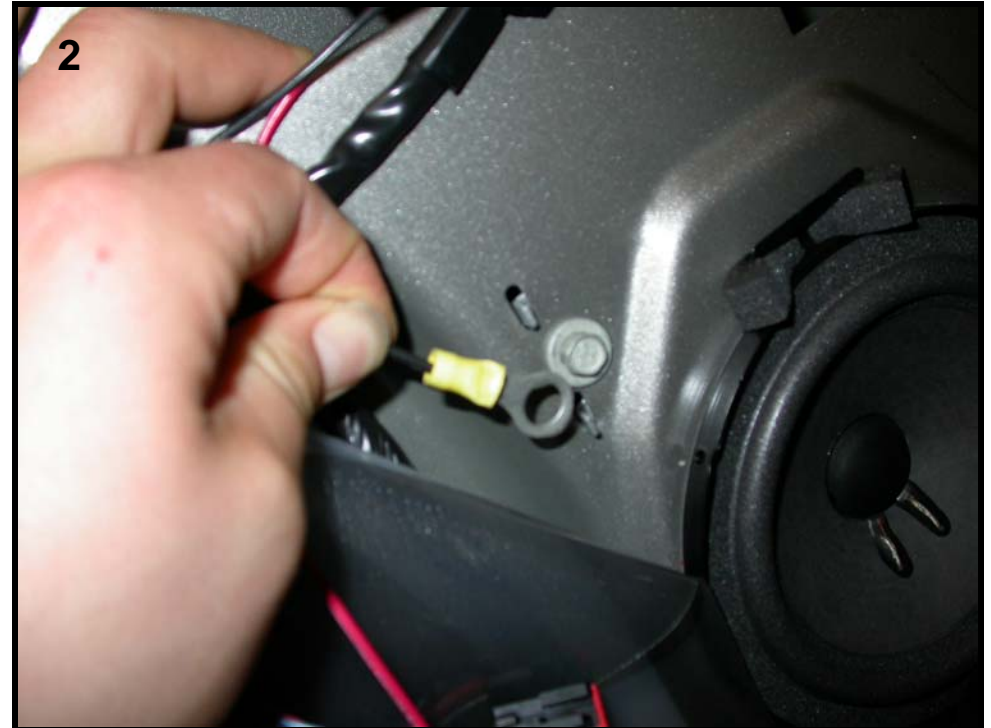
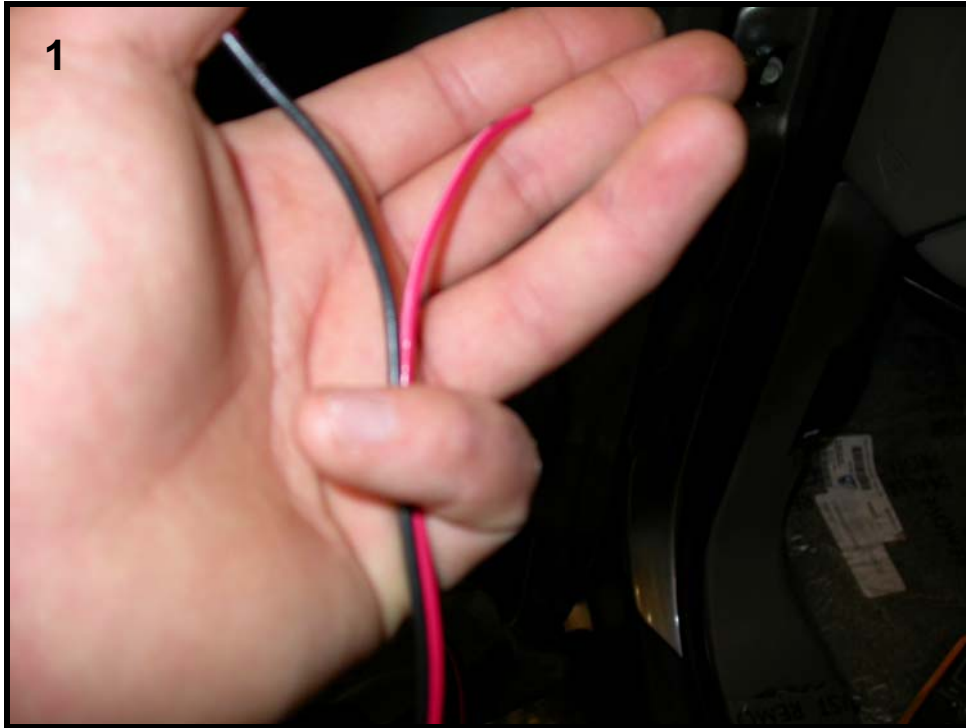
*****Wiring is located behind the door panel*****

3. DRIVER SIDE: Probe the **Light Blue wire** to verify that flashing turn indicator power is present. Deactivate the turn indicator and depress the brake to make sure you have not located the rear turn wire. Label that wire as front, **DRIVER SIDE TURN**. PASSENGER SIDE: Probe the **Dark Blue wire** to verify that flashing turn indicator power is present. Deactivate the turn indicator and depress the brake to make sure you have not located the rear turn wire. Label that wire as front, **PASSENGER SIDE TURN**.

NOTE: Triple check to ensure you have the correct indicator wire, as there are several of them to choose from.

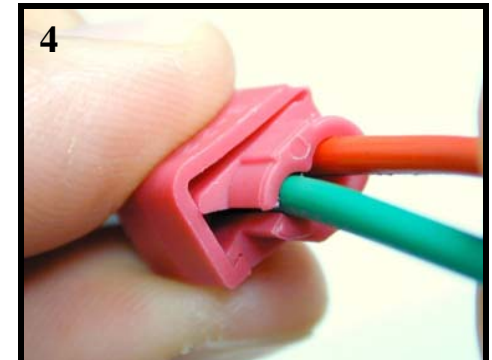
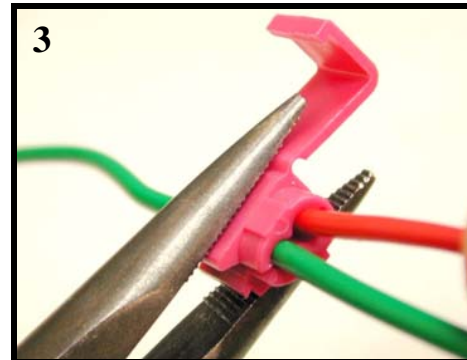
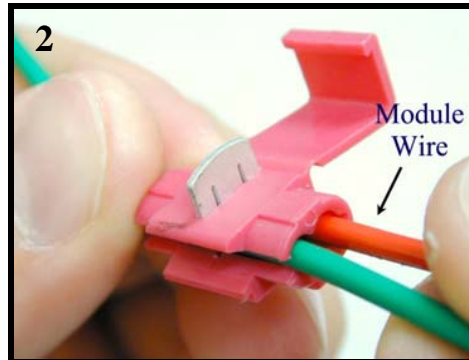
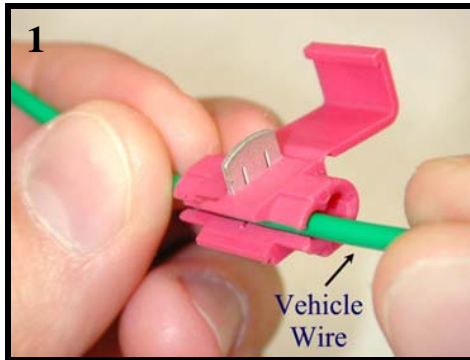


Wiring



1. Make sure the harnesses are routed securely and enough slack is left for splicing. Split and cut the *Signal*[®] mirror harness to length.
2. Strip the black wire and crimp on yellow grounding ring. Using a 10mm socket wrench, remove the bolt by the speaker. Attach the grounding ring to the bolt and tighten the bolt in place.

Wiring Continued



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

- A. Make sure the harnesses are routed securely and enough slack is left for splicing.
- B. Splice the RED wire from the driver side harness into the wire previously labeled 'driver side indicator'.
- C. Splice the RED wire from the passenger side harness into the wire previously labeled 'passenger side indicator'.
- D. Activate each turn indicator to verify that the *Signal*[®] mirrors are working properly.
- E. Reconnect all original wiring. Turn the ignition power to on, check to verify all features are working properly.
- F. Replace the plastic door frame moldings, trim, door panels, and all accessories.

Muth products are protected by these, and other pending, United States Patents:

6,749,325	6,700,123	6,257,746	D430,088	D429,202	D428,842	D428,373	D428,372	D427,128	6,076,948	D426,507
D426,506	D425,466	6,045,243	6,005,724	D409,540	5,788,357	D394,833	5,619,375	5,619,374	5,528,422	5,481,409
D363,920	5,361,190	5,355,284	5,207,492	5,128,659	5,014,167	5,005,009				