



# *Signal*® Mirror Installation Instructions

Ford Mustang 1994-2003



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

### **REQUIRED TOOLS:**

- Ratchet with extension or ratcheting screwdriver
- 11mm socket
- Medium Philips screwdriver
- Small pry bar
- Small sharp knife
- Wire crimper and stripper
- Needle nose pliers
- Masking 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:

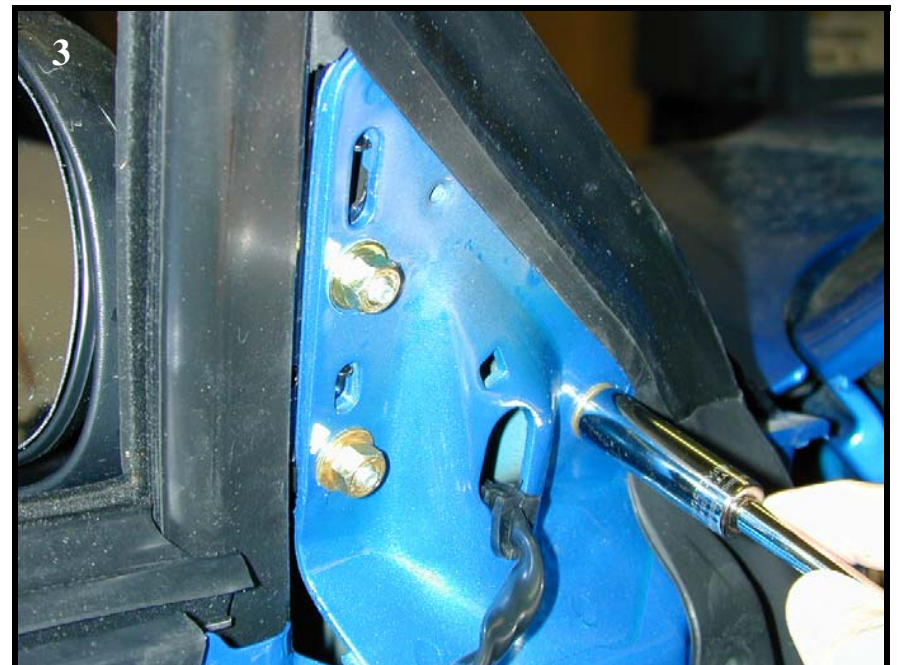
[www.muthco.com](http://www.muthco.com)

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

# Mirror Housing Removal



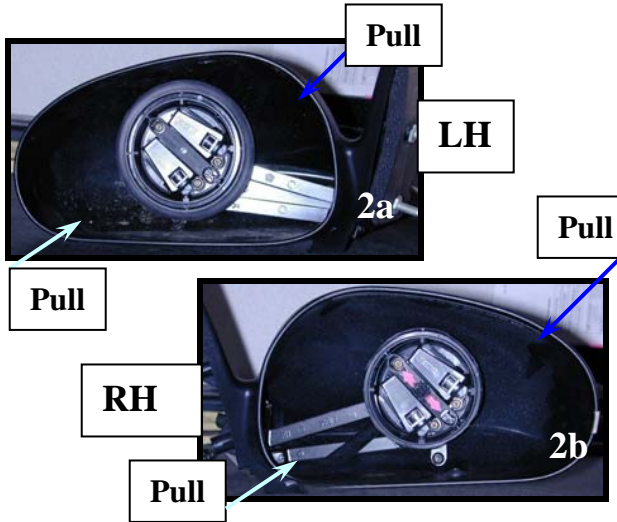
1. Open the driver side door and lower the window. Remove the door panel, speaker, kick panel, and plastic trim piece along the bottom of the door frame.
2. Disconnect the mirror wire harness.
3. Remove the three mirror mounting nuts and remove the mirror housing from the vehicle.



# Mirror Replacement



Using sturdy gloves, press down on the inboard side of the mirror to pivot it fully outward. Reach behind the outboard edge of the mirror.



**CAUTION:** You must pull the glass in the direction of the arrows shown. Not doing so will damage the cross bars on the motor actuator.



Pull back on the mirror until it unsnaps from the motor mount and remove the mirror from the mirror housing. Remove the foam disc from the back of the mirror.



Remove the foam insulation from the mirror housing sail.

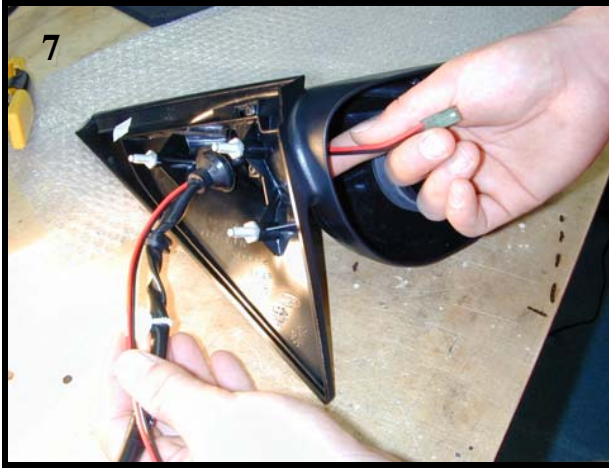


Pull out the rubber plug that surrounds the factory mirror wire harness. Cut a small slit in the rubber sheath starting from the outside edge of the rubber plug.



Cut a small slit in the rubber sheath starting from the inside edge of the rubber plug.

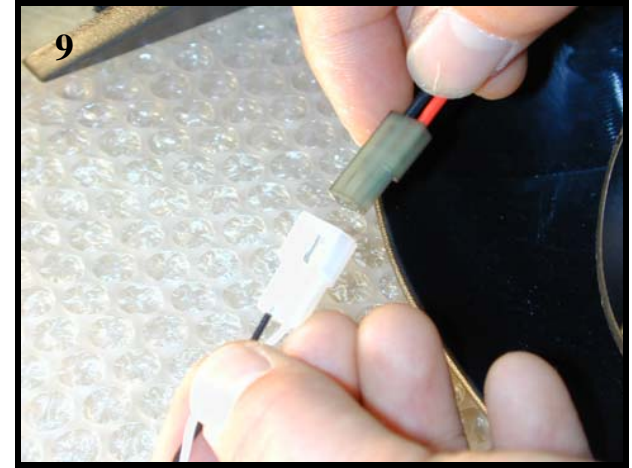
## Mirror Replacement Continued



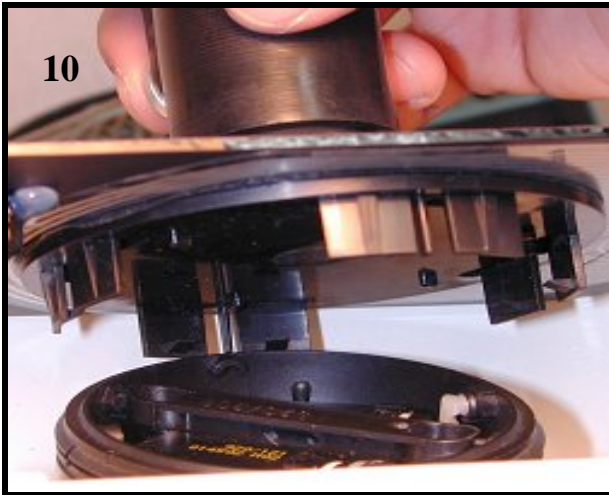
Using the shorter of the two harnesses from the kit, start on the inside of the mirror housing and pass the end without the mating connector through the hole vacated by the rubber plug. Guide the wire through the small slits in the rubber sheath.



Position the foam disc on the back of the new *Signal*® mirror.



Connect the *Signal*® mirror mating connector to the *Signal*® mirror wire harness.



Tuck about four inches of wire toward the back of the mirror housing. Align the anti-rotation prongs found on the top and bottom or left and right with the corresponding slots on the motor mount.

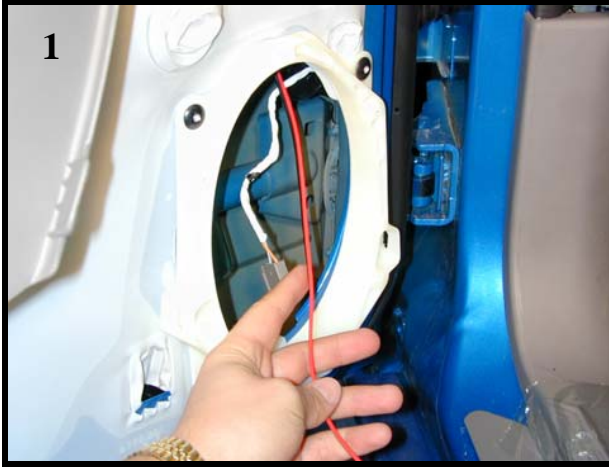


Lay the bottom of the *Signal*® mirror into the mirror housing.

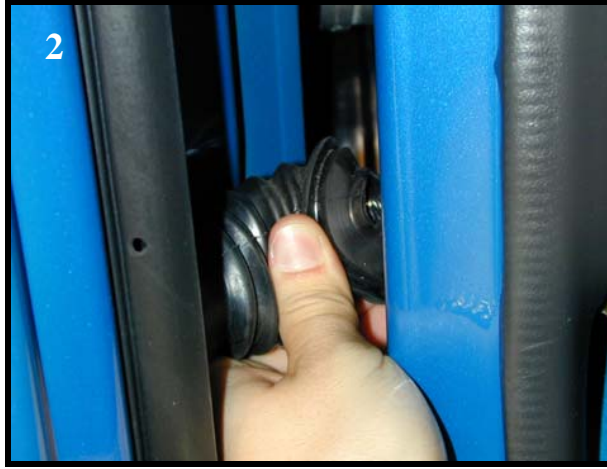


Use the palm of your hand and firmly press down on the *Signal*® mirror until it snaps into position. Press down on all sides of the *Signal*® mirror to ensure proper operation. Reseat the rubber plug back in the mirror housing.

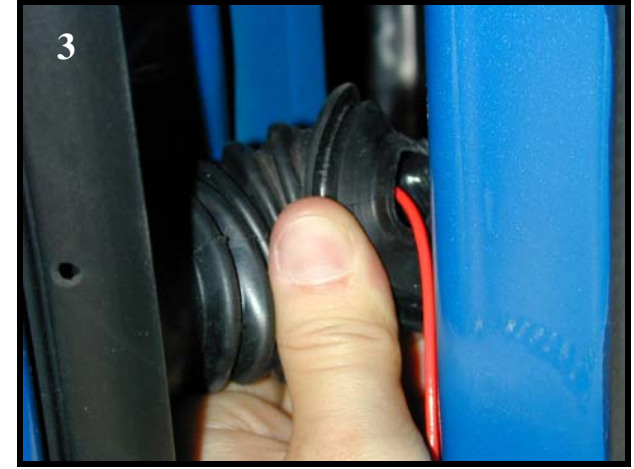
# Wiring



Before bolting the mirror housing on the door, guide the *Signal*<sup>®</sup> mirror wire harness through the door and out of the speaker hole. Bolt the mirror housing on the door. Reconnect the factory mirror wire harness.

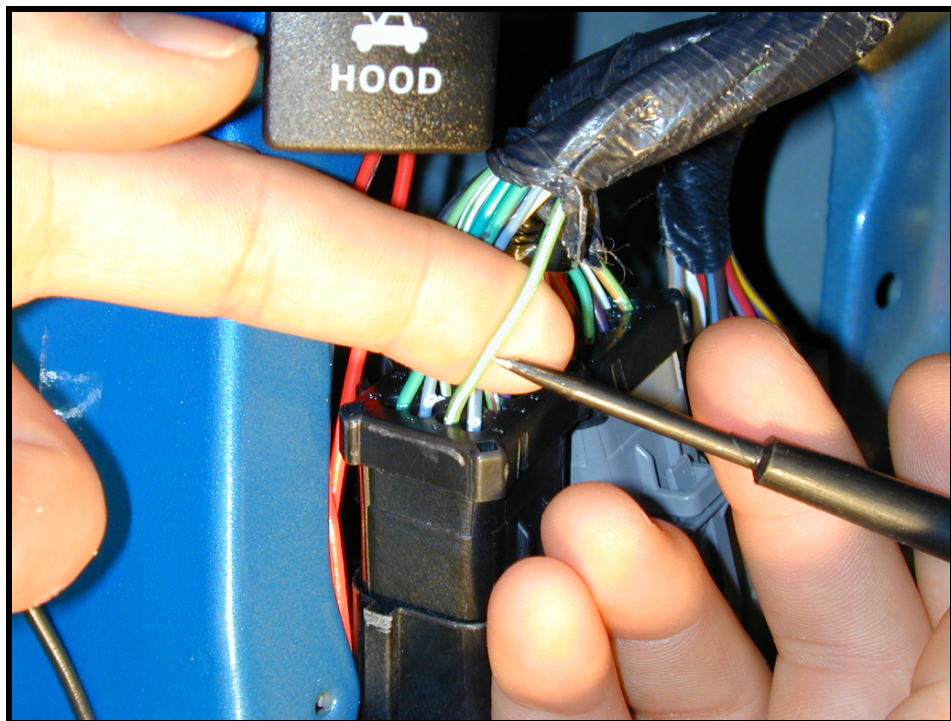


Pull out the rubber boot from the door frame.

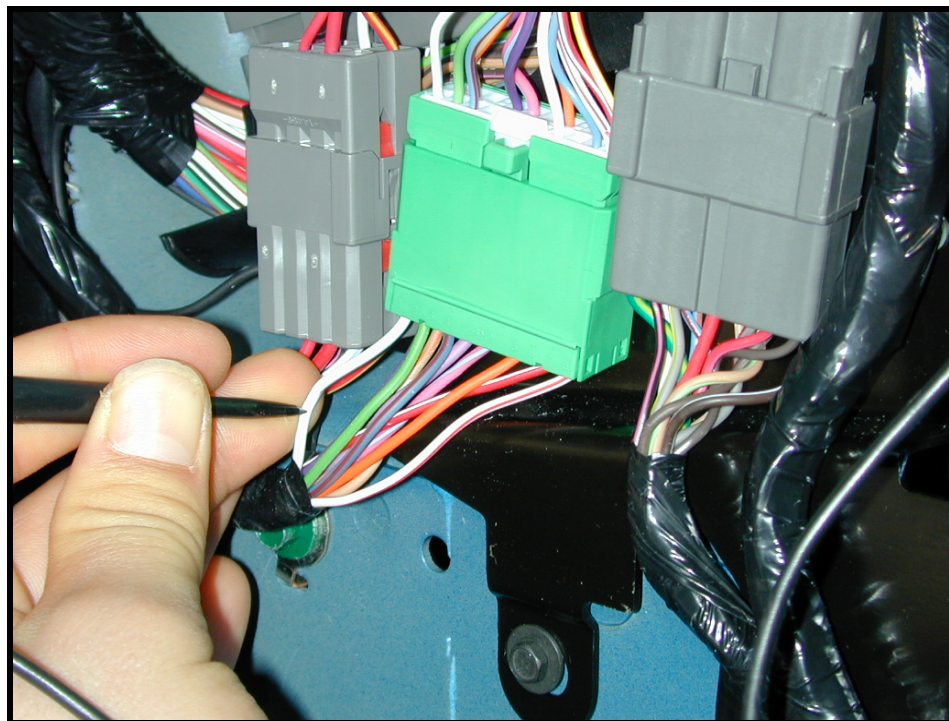


Pass the wire harness into the speaker hole, through the rubber boot and door frame, and into the vehicle. Remove any slack in the wire and replace the rubber boot on the door frame.

# ***Ford Mustang 1994-2002 Wire Identification***



**DRIVER SIDE WIRING LOCATION**



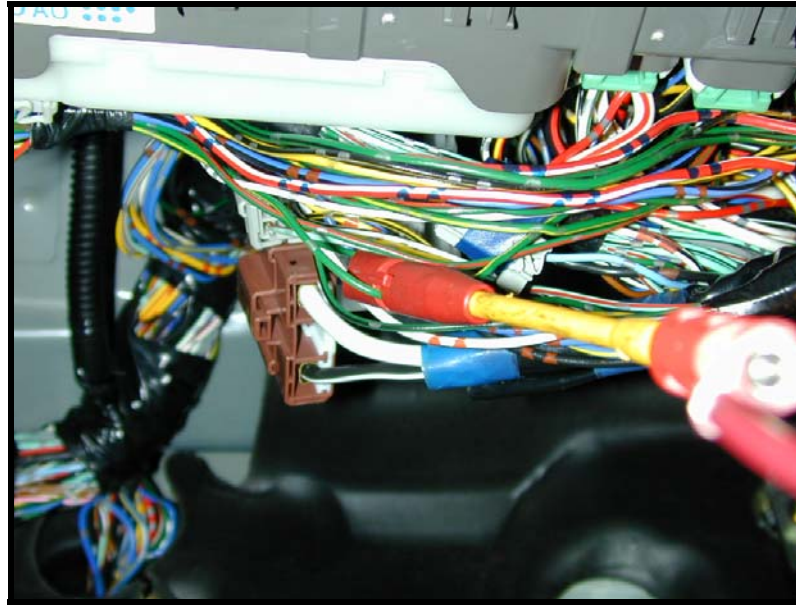
**PASSENGER SIDE WIRING LOCATION**

1. Repeat all of the previous steps to replace the factory mirror on the passenger side door with the new *Signal*<sup>®</sup> mirror.

**NOTE:** The vehicle's electrical wiring for the driver side mirror is located behind the kick panel on the driver side door frame and the electrical wiring for the passenger side mirror is located behind the kick panel on the passenger side door frame.

2. Guide the *Signal*<sup>®</sup> mirror wire harness from the driver side door down to the wire connector. Locate the GREEN WITH WHITE STRIPE wire in the wire connector. 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'.
3. Guide the *Signal*<sup>®</sup> mirror wire harness from the passenger side door down to the wire connector. Locate the WHITE WITH BLUE STRIPE wire in the wire connector. Turn the ignition key so that electrical power is on and activate the passenger side turn indicator. Probe the wire with the wire tester to verify that flashing turn indicator power is present. Label that wire as 'passenger side turn'.

## ***Ford Mustang 2003 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.

**NOTE:** The vehicle's electrical wiring for both the driver side mirror and the passenger side mirror are located within a bundle of wires coming from the steering column.

2. Guide the *Signal*<sup>®</sup> mirror wire harnesses from both sides down to the wiring location (below the steering column).

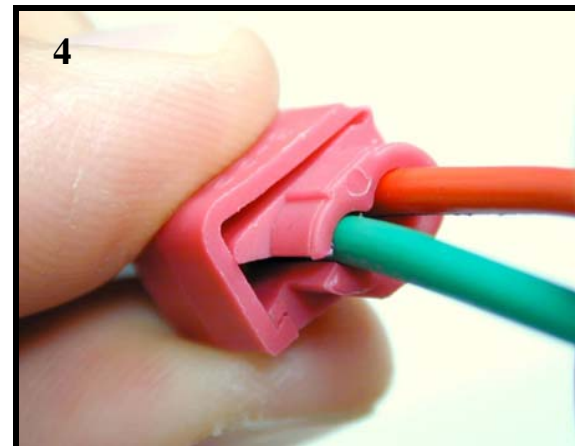
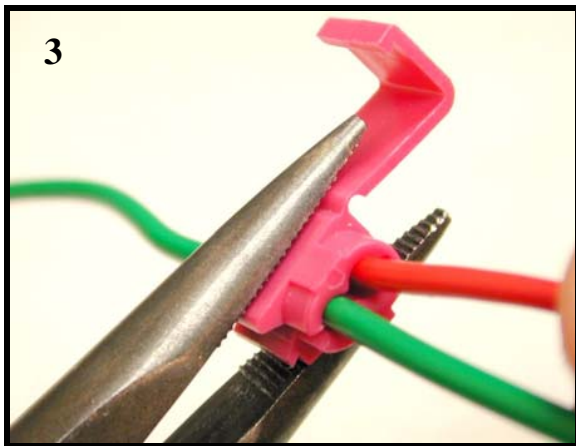
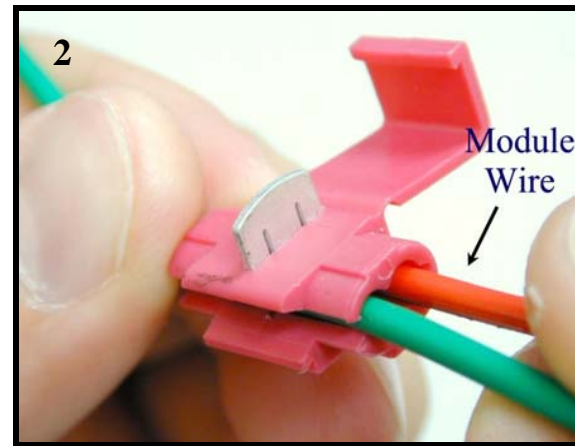
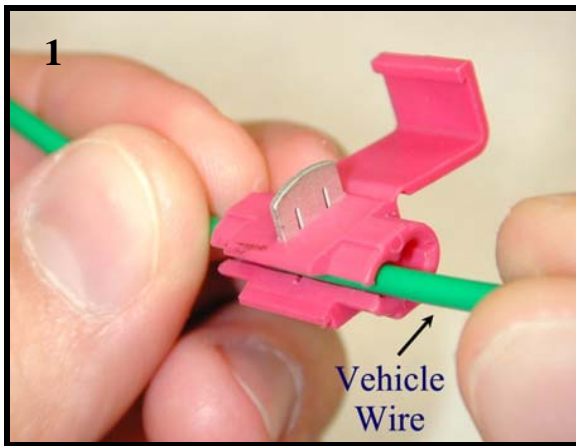
**TURN AND BRAKE** - Locate the LIGHT GREEN W/ ORANGE STRIPE wire in the wire connector. Turn the ignition key so that electrical power is on and activate the driver side turn indicator. Probe the wire with the wire tester to verify that flashing turn indicator power is present. Label that wire as 'driver side turn'.

**TURN AND BRAKE** - Locate the ORANGE W/ LIGHT BLUE STRIPE wire in the wire connector. Turn the ignition key so that electrical power is on and activate the passenger side turn indicator. Probe the wire with the wire tester to verify that flashing turn indicator power is present. Label that wire as 'passenger side turn'.

**TURN ONLY** - Locate the LIGHT GREEN W/ WHITE STRIPE wire in the wire connector. 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'.

**TURN ONLY** - Locate the WHITE W/ LIGHT BLUE STRIPE wire in the wire connector. Turn the ignition key so that electrical power is on and activate the passenger side turn indicator. 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**

1. Splice the RED wire from the driver side harness into the green with white stripe wire previously labeled 'driver side turn'. Strip the end of the black wire and crimp on one of the supplied ring connectors. Bolt the ring connector to a suitable ground location on the framework of the vehicle.
2. Splice the RED wire from the passenger side harness into the white with blue stripe wire previously labeled 'passenger side turn'. Strip the end of the black wire and crimp on one of the supplied ring connectors. Bolt the ring connector to a suitable ground location on the framework of the vehicle.
3. Activate each turn indicator to verify that the *Signal*<sup>®</sup> mirrors are working.
4. Replace both door panels, speakers, door accessories, insulation, plastic moldings, and trim pieces.

**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				

