

## ***Limited Warranty***

*Hadley Products warrants the 4WAY™ mirror to be free from defects in material and workmanship as determined by Hadley when properly assembled and installed and when operated under normal use and service for the Warranty Period of one year or 100,000 miles whichever comes first, but in no event more than eighteen months from the date code affixed to the product. The Warranty Period will be measured from the product date code or from in-service date, if provided. A defective product is a product which Hadley determines to have been defective in materials or workmanship at the time of shipment, and the defect materially impairs the value of the goods to the original purchaser. This limited warranty does not cover glass breakage, accidental damage, improper installation or product abuse and is limited to parts only. Any replacement parts purchased will be covered for one (1) year to the original purchaser.*

*All warranty claims must be authorized prior to repair and proof of purchase is required. For claims under this warranty, please return defective products to an authorized dealer or contact Hadley Products.*

**Hadley Products  
2851 Prairie Street SW  
Grandville, MI 49418  
(616) 530-1717  
Fax (616) 530-3283  
[www.hadley-products.com](http://www.hadley-products.com)**



## **PRODUCTS**

**INSTALLATION INSTRUCTIONS FOR THE**

**4WAY™  
MIRROR SYSTEMS**

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## REPLACEMENT PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>
M025041	Service Mirror Glass Assembly
M015376	Service Motor/Actuator
M025084S	Service Chrome Shell
M025085S	Service Chrome Shell, Lighted
M025117A	Service Dual Mirror Switch Kit
M025116A	Service Single Mirror Switch Kit

*See your local 4WAY™ distributor for replacement parts or call (616) 530-1717 for a distributor near you.*

**#M25030 BOOKLET REV. E**

## THIS MANUAL COVERS THE FOLLOWING MIRRORS HEAD ASSEMBLIES

M025001A	CHROME/HEAT/MTR.
M025002A	CHROME/HEAT/MAN. ADJ.
M025001AL	CHROME/HEAT/MTR./LIGHTED
M025002AL	CHROME/HEAT/MAN. ADJ./ LIGHTED
M025003A	BLACK/HEAT/MTR.
M025004A	BLACK/HEAT/MAN. ADJ.
M025003AL	BLACK/HEAT/MTR./LIGHTED
M025004AL	BLACK/HEAT/MAN. ADJ./ LIGHTED
M025201A	CHROME MIR. SET, BOTH HEAT/MTR.
M025202A	CHROME MIR. SET, BOTH HEATED, ONE MTR. ONE MAN. ADJ.
M025201AL	CHROME MIR. SET, BOTH HEAT/MTR/LIGHTED
M025202AL	CHROME MIR. SET, BOTH HEATED LIGHTED, ONE MTR., ONE MAN.ADJ.
M025203A	BLACK MIR. SET, BOTH HEAT/MTR.
M025204A	BLACK MIR. SET, BOTH HEATED, ONE MTR. ONE MAN. ADJ.
M025203AL	BLACK MIR. SET, BOTH HEAT/MTR/LIGHTED
M025204AL	BLACK MIR. SET, BOTH HEATED LIGHTED, ONE MTR., ONE MAN.ADJ.

# 4WAY™ INSTALLATION INSTRUCTIONS

## BE SURE TO READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION.

1. Start by removing your old mirror system. Make note of the current heater power connection for use with the 4WAY™ mirror system. The 4WAY™ system requires a 20 AMP or larger circuit for two heated, motorized mirrors. Confirm that the current mirror heat circuit is at least 20 AMPS before connecting the 4WAY™ mirror system to that circuit.
2. Mount the mirror head assembly to the mirror bracket. Be sure that the mirror is mounted with the wire harness at the bottom. Do not completely tighten the mirror mounting nuts at this time.
3. Determine a location for the mirror motor (control) switch (es) in the dash, preferably near the center of the vehicle and mirror heater switch. If you have dual motorized and heated mirrors and are mounting two single motor control switches, they must be mounted as close as possible to each other. If not you will have to extend the switch power and ground wires (RED & BROWN). Drill a 3/4" Dia. hole for each switch in desired locations. Be sure the area behind the panel is clear before drilling. Switch body orientation is **very important** for the switch to operate correctly. See fig. 1 for switch in panel orientation.
4. When mounting the dual mirror motor (control) switch only one 3/4" Dia. hole must be drilled. Again switch body orientation is **very important** for the switch to operate correctly. See fig. 2 for switch in panel orientation. This dual switch can be purchased as an option or it comes with mirrors when purchased in sets.

## MOTOR/ACTUATOR REPLACEMENT

1. Remove mirror glass as described in the Mirror Glass Replacement instructions above.
2. Locate the wires running from the harness to the motor/actuator, and remove the electrical tape. Cut the White, Black and Green wires just below the connection to the motor/actuator wires.
3. Remove the three (3) retaining screws using a T15 Torx driver (do not discard screws for you will be reusing them). Remove the defective motor/actuator from the housing.
4. Re-strip the harness wires approximately to a 1/4". Connect to new motor/actuator wires as follows:

Harness wire colors	Motor/Actuator wire colors
White	White
Black	Black
Green	Yellow & Blue

5. Make certain that the two black motor/actuator mounting pads are still in place on the bracket before re-attaching the new motor/actuator.
6. Mount the new motor/actuator on the mounting points. Use the screws from the previous motor/actuator to mount it. Be careful not to over tighten.
7. Replace mirror glass assembly as described in the Mirror Glass Replacement instructions above. Confirm correct operation of the new motor/actuator.

## GE #194 LIGHT BULB REPLACEMENT

1. It is suggested NOT to remove the two Phillips screws that hold the lamp to the shell, but rather remove glass assembly.
2. Locate bulb socket (above motor) and push in on socket while turning it 90 degrees unlocking it from lamp housing.
3. Remove bulb and then install new one, careful not to bend bulb wires.
4. Reinstall bulb socket and glass assembly.

## SERVICE

### MIRROR GLASS REPLACEMENT

The mirror glass is fully serviceable in the field. Should you experience a cracked mirror or heater pad failure, follow these simple steps for replacement.

1. Rotate mirror glass completely to the right. You will see a small lever (tab) on the back of the mirror glass toward the center (see fig. 3). Move this lever downward while holding mirror glass against motor/actuator. The mirror glass should pull easily toward you out of the housing.
2. Disconnect the heater wire connections at the bottom of the mirror glass. Discard the broken mirror assembly. Reconnect heater wire connections to new mirror assembly.
3. Move mirror lever (tab) down before attempting to align mirror glass onto motor/actuator. Make sure mirror glass assembly is completely down on the motor, then holding in place move the lever (tab) up to lock into place.

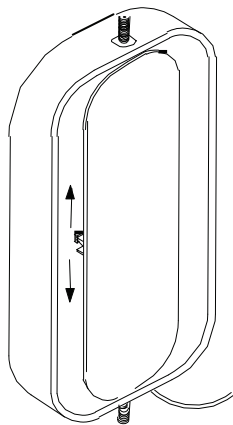


Fig. 3

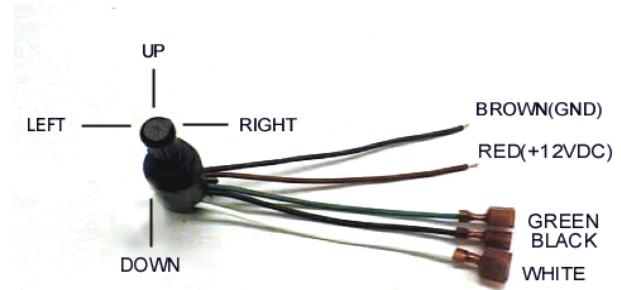
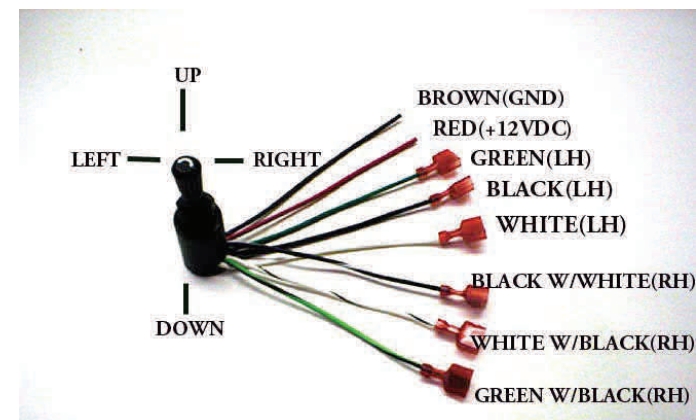


Fig. 1 SINGLE MIRROR MOTOR SWITCH

5. Mount the switch (es) to the panel using the enclosed hardware. Be sure the switches are mounted in the correct orientation for proper operation, refer to fig. 1 or 2.
6. Route the wiring harness from the mirror head along the mounting bracket to the cab. Use an existing wire exit hole in the cab if possible. The included grommet requires a 3/8" Dia. hole for mounting. Enlarge the current hole or drill a new hole to accommodate the grommet.



7. Feed the wire harness through the opening. Pull all excess wire into the cab, leaving enough slack outside to allow the door to open and close freely. Route the harness behind the dash to the motor and heater switch location. If you are connecting the wire harness to the single switch as shown in Fig. (1), hook green to green, black to black and white to white. For dual mirror control switch connections see Fig. (2), hook the **LEFT HAND** mirror harness to the matching **SOLID** colored wires coming from the switch, (green to green, black to black and white to white). Hook the **RIGHT HAND** mirror harness to the **STRIPED** colored wires coming from the switch, (black w/white to black, white w/black to white and green w/black to green). Both the heater switch and the motor switch power may be connected to the same +12VDC source as long as it is rated at 20 AMPS or greater. Connect the RED mirror harness wires to one of the terminals on the mirror heat switch. The other switch terminal should be connected to the +12VDC source. Connect the YELLOW mirror heater wires from the mirror harnesses to GROUND.
8. Connect the RED wire(s) from the motor control switch(es) to the +12VDC source and the BROWN wire(s) to GROUND.
9. If you have lighted mirror heads you will need to hook the blue wires coming from the mirror harnesses to your light switch circuit. Therefore they will come on with the other lights, confirm this after wiring. **NOTE:** The lights obtain their ground from the heater ground circuit.
10. Confirm the operation of both the motor and the heater functions. The mirror should move in the direction that the joystick is moved. If it does not, check the orientation of the switch and the connections to the mirror head wire harness. For dual mirror switch, the joystick knob is rotated. This selects which mirror you wish to adjust, to the right will adjust the right hand mirror glass and to the left will adjust the left hand mirror glass. The mirror glass should be warm to the touch within a couple of minutes after turning on the mirror heat switch.
11. **Adjusting the mirror heads for maximum field of view:**  
Rotate the mirror **glass** within shell completely in towards the driver.  
Rotate mirror **head** to normal driver viewing position. Hold head in position and tighten mirror mounting nuts on top and bottom of mirror head to 10 ft/lbs (over tightening will cause bolt threads to strip).
12. Strap the wire harness along the lower mounting bracket tube using wire ties.
13. Replace any dash panels that were removed to mount switches and connect wiring.