

# Outside Air Temperature (OAT) RETROFIT INSTRUCTIONS



**Part No. M015731S**



## **This Kit Contains:**

- 1 – M015729 – Flat Glass Assembly with OAT**
- 1 – M15723 – Orange Wire Harness**
- 1 – M15724 – Butt Splice Connector**
- 1 – M15725 – Instruction Sheet Pack**

Part #: M15725  
Revision: C

Date: March 7, 2005  
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# Kenworth T2000 / Peterbilt 387 Mirrors

## RETROFIT INSTRUCTIONS



The following are step by step instructions used for installing the Hadley OAT Display in KW T2000/PB 387 L.H. Mirrors.

### **Disassembly**

1. Remove the Driver's Side Mirror Arm Wire Cover, Flat Glass Mirror Assembly, Bezel Convex Assembly, and Mirror Shell. Carefully remove wires from the Flat Glass Mirror and the Convex Mirror.
2. Remove inside door panel to expose mirror connections as shown in [Figure A](#).
3. Remove black "rubber" material from around harness to expose hole in door fully. Retain rubber material to reinstall later.

### **Wire Routing & Connection**

4. On Orange Lead Wire provided, cut off the bullet connector and discard.
5. Route Orange Wire (provided) down through mirror arm (cut end first) as shown in [Figure B](#) and pull through all but 12" which you must leave at mirror head.
6. Carefully pull existing convoluted tubing/harness up from top of door mount pivot pin (helping it along by guiding connectors through door hole from the inside if required) until you can't pull any more up and it makes a large loop as shown in [Figure C](#).
7. Open slit in tubing and insert cut end of wire into tubing, close to door mount. Continue to insert wire into tubing around loop that has been pulled up.
8. Pull and push tubing/harness back down through pivot pin until it is fully routed back through door.
9. Working from the inside of the door now, open tubing/harness back up and find the orange wire you previously inserted.
10. Pull the slack of the orange wire down through the door mount and inside the door. Route wire from door through rubber grommet (Previously removed in Step #3). Reset rubber grommet into door.
11. Strip off insulation from end of Orange wire and crimp on Butt Splice (provided)
12. [For KW T2000 Trucks](#) - Locate circuit P83 MT in the door harness (pin 7, which is Brown with a Tan Stripe Wire). Cut this wire, strip both wire ends, twist together and using the Butt Splice, attach to the Orange wire.
13. [For PB 387 Trucks](#) - Locate circuit 226 in the door harness (Red Wire). Cut this wire, strip both wire ends, twist together and using the Butt Splice, attach to the Orange wire.
14. Using a heat source (such as a propane torch), heat the Butt Splice to seal the heat shrink tube around wires.

### **Shell Modification**

15. Cut the necessary notch in the bottom of the Mirror Shell by following the [Mirror Shell Modification Instruction Sheet](#) (provided).

### **Re-Assembly**

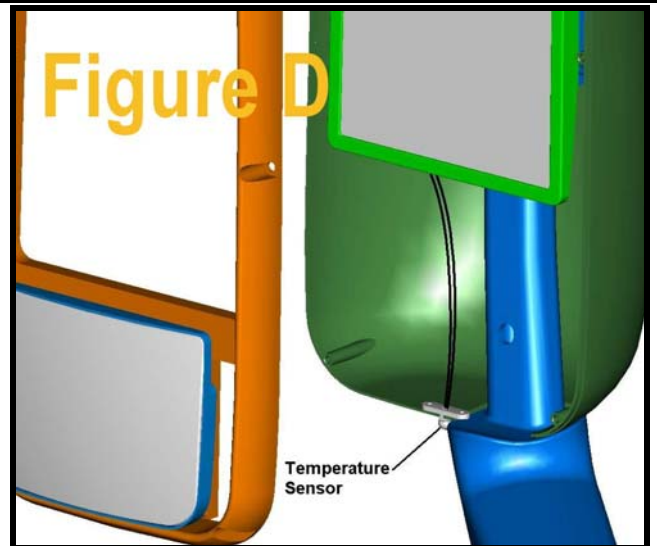
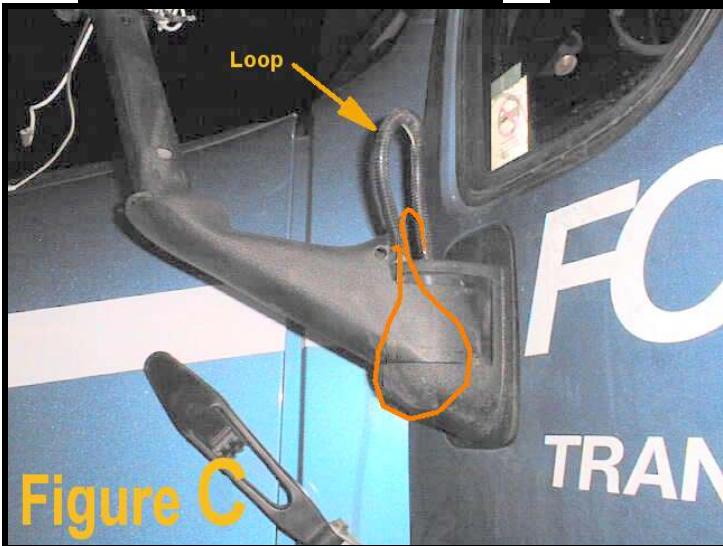
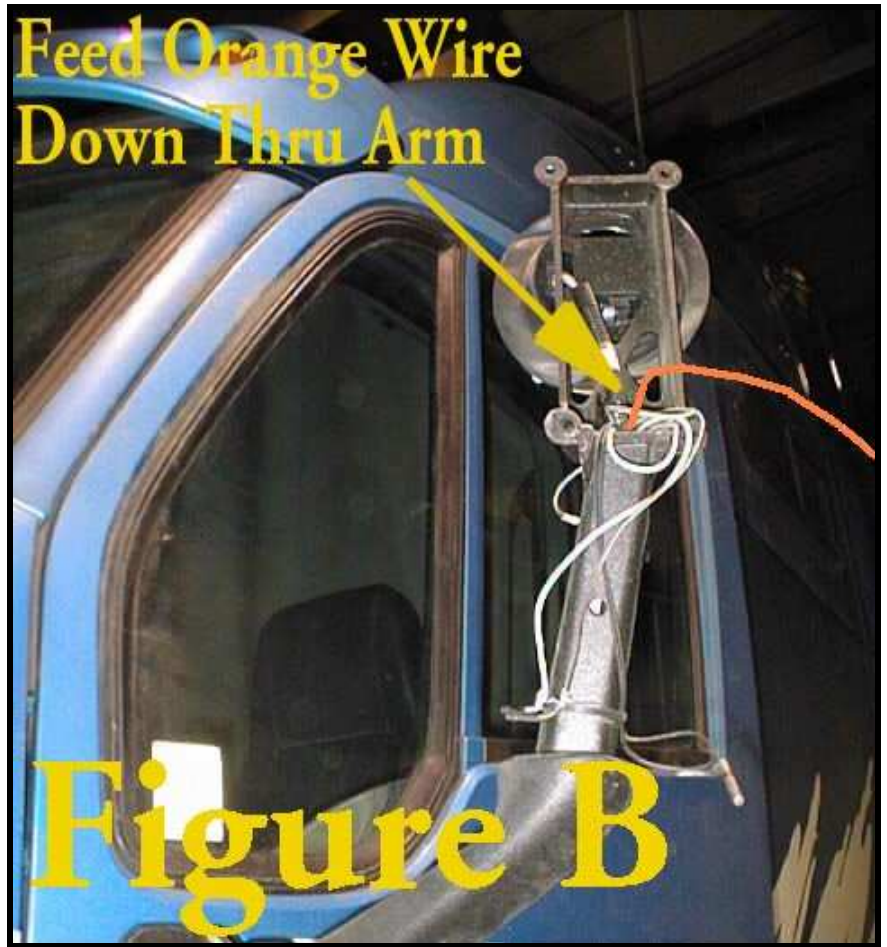
16. You are now ready to re-assemble the mirror...Begin by attaching the Mirror Shell to the Mirror Arm (previously removed in Step 1).
  - Connect wires from the Mirror Arm to the OAT Flat Glass Assembly by following the wire colors (Orange to Orange, White to White and Brown to Brown).
17. Mount the new OAT Flat Glass Assembly to the mirror motor.
18. Insert the Temperature Sensor in the notch you have created in the bottom of the shell as shown in [Figure D](#).
19. Re-attach the Mirror Bezel to the Mirror Shell (this will capture the temperature sensor in the bottom of the shell).
  - Connect wires from the Mirror Arm to the Convex Assembly (previously removed in Step #1)

### **Testing and Use**

20. You are now ready to use your mirror...Turn ignition key to the on position and test mirror function.
  - The Outside Air Temperature Display should read the current air temperature.
21. If you would like to change the display from Fahrenheit to Celsius, see the [Display Setting Instruction Sheet](#) (provided).

*Verify latest Instruction Sheets with PACCAR's Service Net*

Kenworth T2000 / Peterbilt 387 Mirrors  
RETROFIT INSTRUCTIONS



# Kenworth T600 / T800 Aero Mirror

## RETROFIT INSTRUCTIONS



The following are step by step instructions used for installing the Hadley OAT Display in T600/T800 L.H. Aero Mirrors.

### Disassembly

1. Remove the Driver's Side Flat Glass Mirror Assembly, Bezel Convex Assembly, and Mirror Shell. Carefully remove wires from the Flat Glass Mirror and the Convex Mirror.
2. Pull back the Upper Mirror Arm Boot from cowl exposing the mirror harness and where it enters the cowl as shown in Figure A.
3. Remove Instrument Panels from the dash as shown in Figure B to access necessary wiring.

### Wire Routing & Connection

3. Route Orange Wire (provided) through mirror arm (bullet connector first) as shown in Figure C and pull through all but 12" which you must leave at mirror head.  
*Tip: Attach (tape) the bullet connector to a long straight rod to aid in feeding wire through mirror arm.*
10. Feed the bullet connector on the Orange wire through the grommet on the cowl and pull into the dash area behind the instrument panel you have removed.
11. Plug the bullet connector into any unused ignition circuit located behind the instrument panel.
12. Place a 1 Amp fuse in the Power Distribution Box in the location that corresponds to that circuit.

### Shell Modification

13. Cut the necessary notch in the bottom of the Mirror Shell by following the Mirror Shell Modification Instruction Sheet (provided).

### Re-Assembly

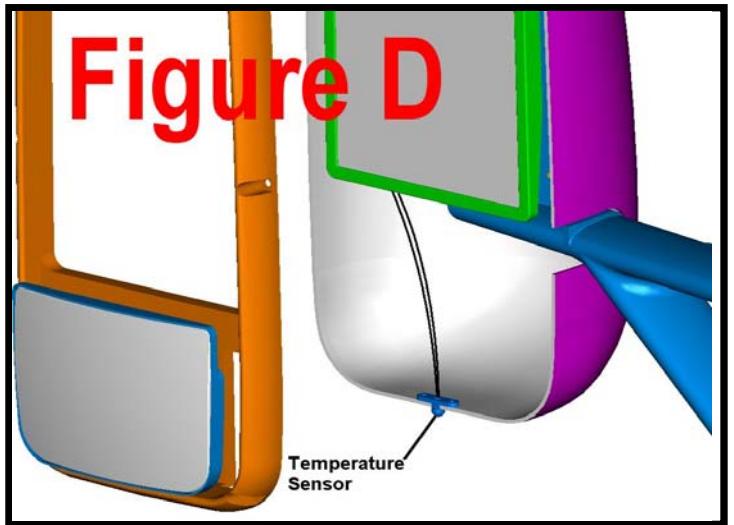
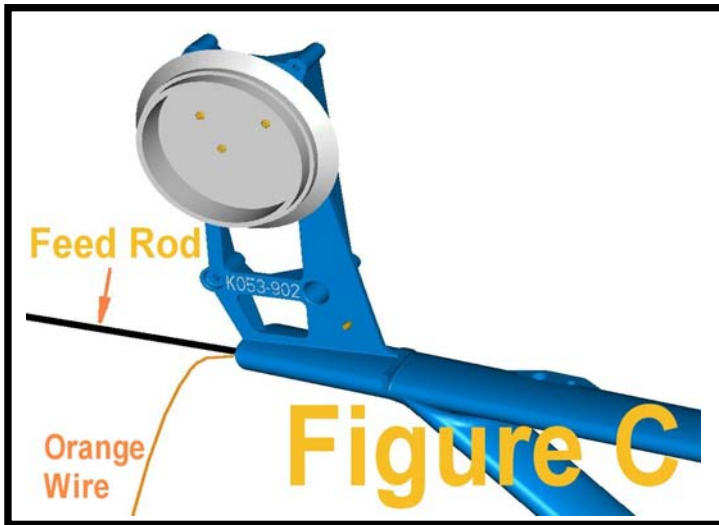
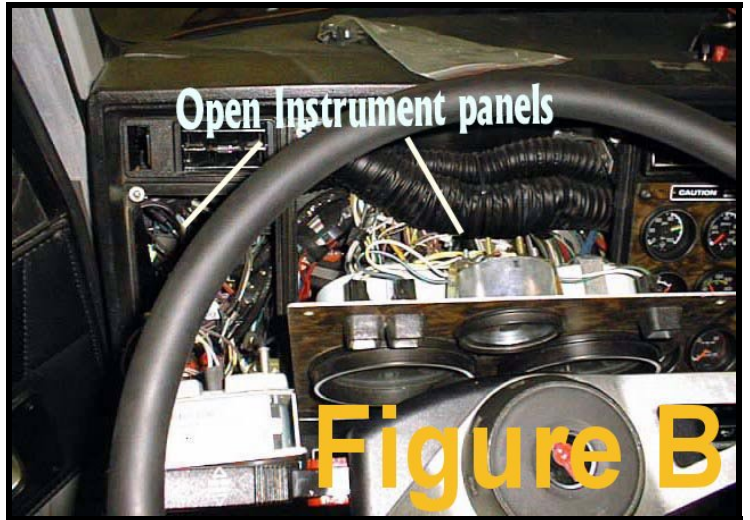
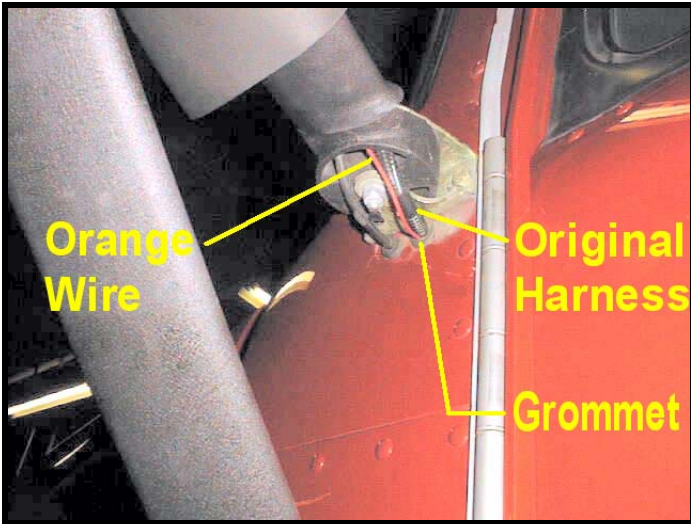
14. You are now ready to re-assembly the mirror...Begin by attaching the Mirror Shell to the Mirror Arm (previously removed in Step 1).
15. Mount the new OAT Flat Glass Assembly to the mirror motor.
  - Connect wires from the Mirror Arm to the OAT Flat Glass Assembly by following the wire colors (Orange to Orange, White to White and Brown to Brown).
16. Insert the Temperature Sensor in the notch you have created in the bottom of the shell as shown in Figure D.
17. Re-attach the Mirror Bezel to the Mirror Shell (this will capture the temperature sensor in the bottom of the shell).
  - Connect wires from the Mirror Arm to the Convex Assembly (previously removed in Step #1)
12. Slide the Upper Mirror Arm Boot back against cowl (previously moved in step #2).

### Testing and Use

18. You are now ready to use your mirror...Turn ignition key to the on position and test mirror function.
  - The Outside Air Temperature Display should read the current air temperature.
19. If you would like to change the display from Fahrenheit to Celsius, see the Display Setting Instruction Sheet (provided).
20. When the system is working properly, replace the Instrument Panels on the dash.

Verify Latest Instruction Sheets with PACCAR's Service Net

Kenworth T600 / T800 Aero Mirrors  
RETROFIT INSTRUCTIONS



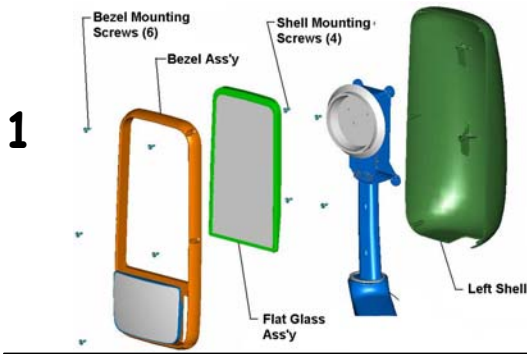


# Hadley

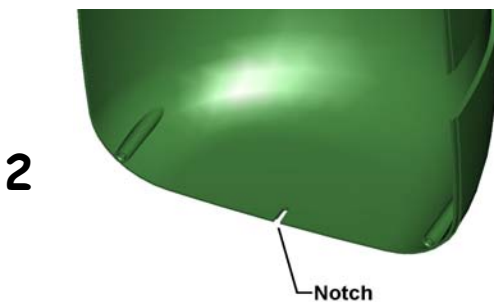
## Outside Air Temperature (OAT) Mirror Shell Modification Instructions

### Overview

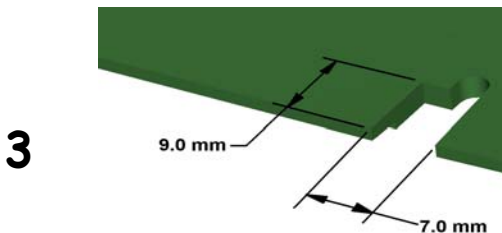
To install the Outside Air Temperature Assembly into a current Aero mirror system, a small notch must be cut into the bottom of the shell. This notch will locate and mount the temperature sensor.



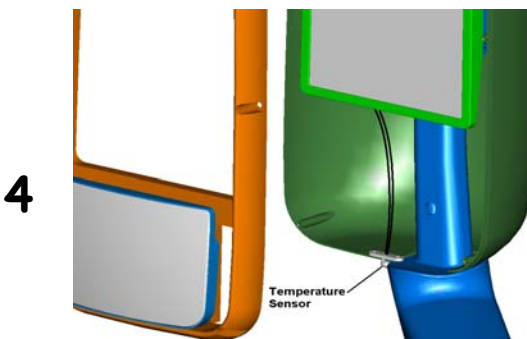
- Remove the driver's side mirror shell.
  - To accomplish this you must:
    - Remove the Bezel Assembly (6) screws.
    - Remove the Flat Glass Assembly (Lock Tab).
    - Remove the (4) Shell Mounting screws.



- Locate the existing small notch in the bottom center of the shell.



- Using the right edge of the existing notch as a starting point, cut a 7.0 mm (.28") wide by a 9.0 (.35") deep square notch in the bottom of the shell.



- Re-mount the shell on the mirror arm. Attach the new OAT Flat Glass Assembly (*see the OAT Flat Glass Assembly mounting instructions*). Place the temperature sensor in the square notch you have created and re-mount the bezel to capture the temperature sensor.