

# PREVOST

## Instruction sheet

## IS-17910

### MESSAGE CENTER DISPLAY (MCD) REPLACEMENT

Effectivity: all vehicles with digital cluster.

#### MATERIEL

Kit #IS17910 includes the following parts:

Part No.	Description	Qty
19519274	MESSAGE CENTER DISPLAY (CURCUIT BOARD)	1
IS-17910	INSTRUCTION SHEET	1
FI-17910	FEUILLE D'INSTRUCTIONS	1

#### *NOTE*

*Material can be obtained through regular channels.*

#### PROCEDURE



#### **DANGER**

Park vehicle safely, apply parking brake, stop the engine. Prior to working on the vehicle, set the ignition switch to the OFF position and trip the main circuit breakers equipped with a trip button. On Commuter type vehicles, set the battery master switch (master cut-out) to the OFF position.

#### General Work Practices

**Note:** Individual gages or modules in the H3/XL2 instrument cluster are not serviceable during the warranty period. **Attempts to service or replace individual modules or gages during the warranty period will void the cluster warranty.**

**Caution:** To prevent electrostatic discharge (ESD), which may damage the sensitive electronic components in the instrument cluster, make sure the workbench has an anti-static mat which is grounded to the nearest electrical outlet when working on the instrument cluster. Failure to use an anti-static mat may result in permanent damage to the printed circuit boards in the instrument cluster. When working at the anti-static workbench, always keep a wrist strap connected to the anti-static mat.

When dealing with circuits designed to sense differences smaller than 1 volt, electrostatic discharge can be a subtle but destructive problem. Circuit boards mounted in the instrument cluster or in modules mounted elsewhere may not fail immediately after being hit with a static discharge. Rather they may work for a while, then fail for no apparent reason. The culprit then is often the normal warming up and cooling down the process of the module, engine or cab interior.

Grounding straps and anti-static mats are available for minimal cost from electronic supply stores. Grounding straps consists of a wrist strap, a coiled extension wire and an alligator clip. Be sure to purchase one with a long enough extension wire to allow freedom of movement.

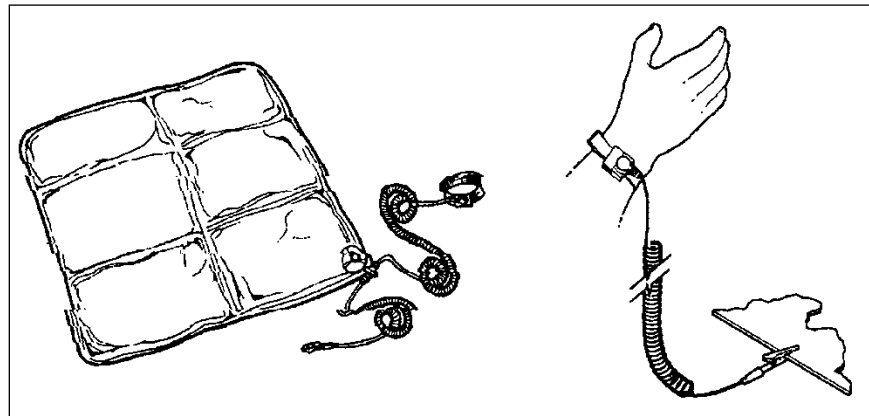


FIGURE 1: SPECIAL EQUIPMENT

### Instrument Cluster Removal

1. Remove the air from the air tank by applying the brakes repeatedly.
2. Remove the dashboard cover.
3. Disconnect the instrument cluster cabling.
4. Disconnect the 3 air hoses.
5. Remove the nuts fixing the instrument cluster to the dashboard housing (figure 2).
6. Remove the instrument cluster.

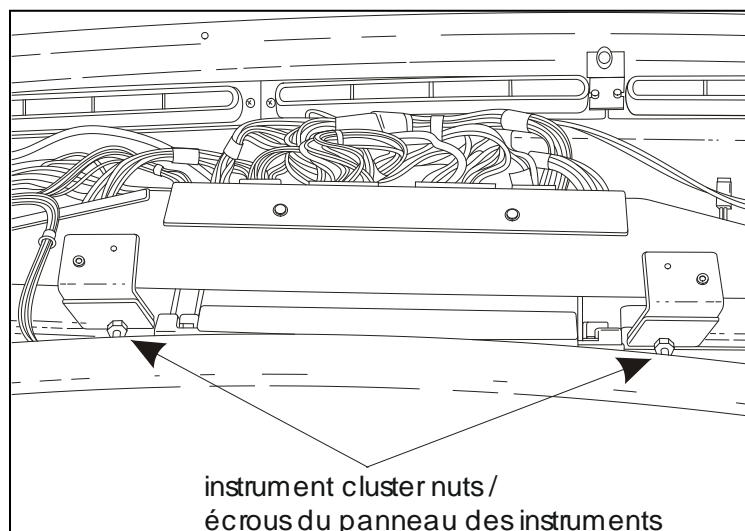
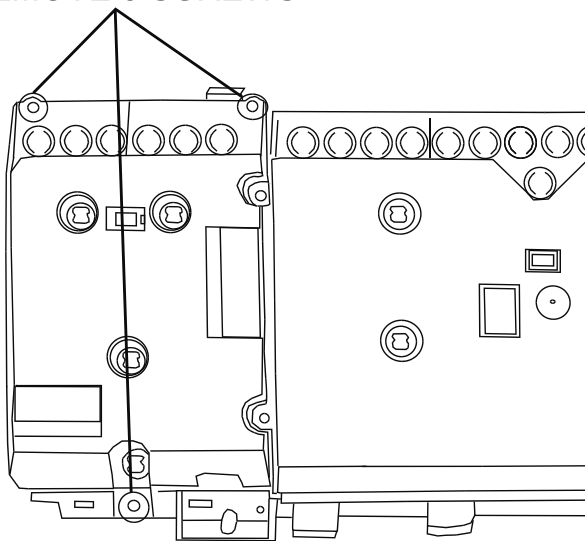
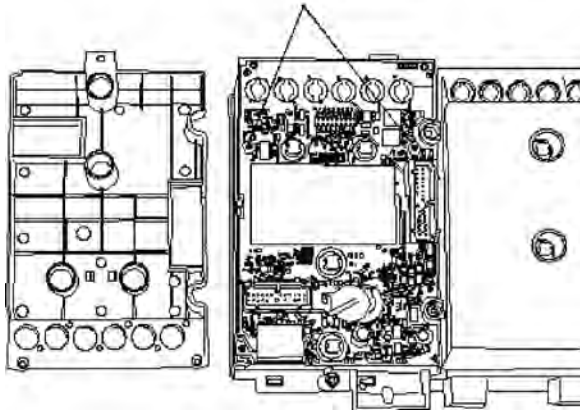
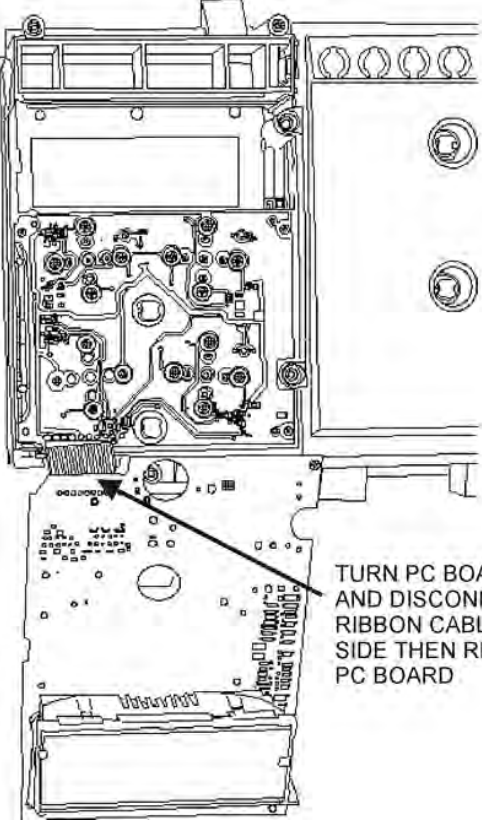
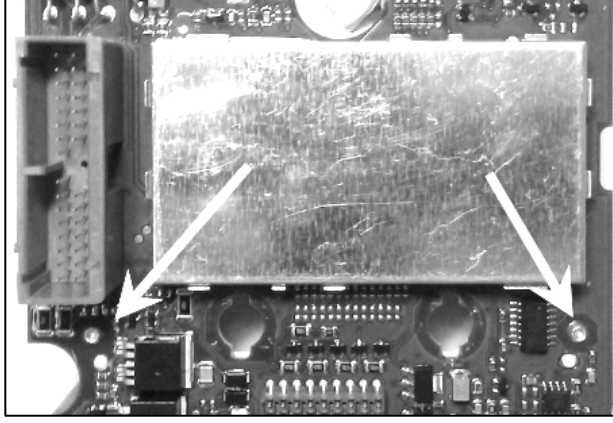



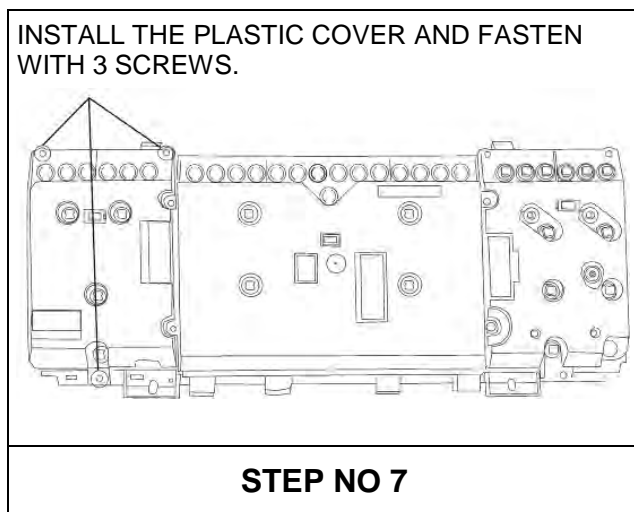
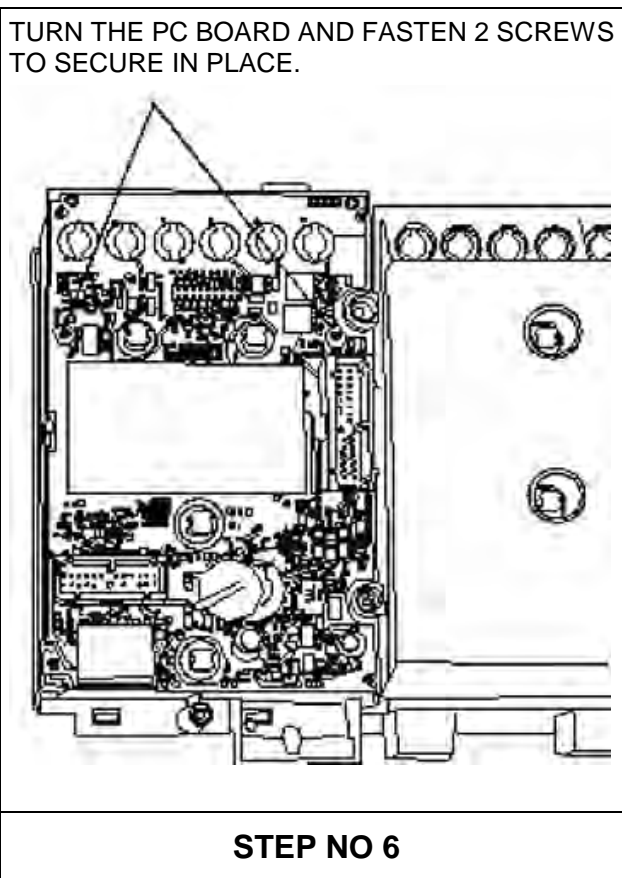
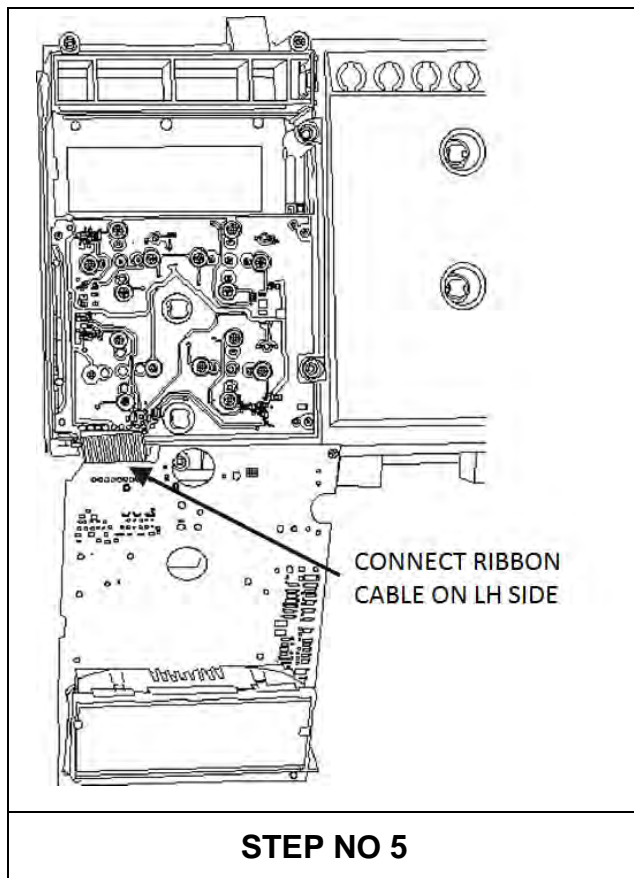
FIGURE 2: DASHBOARD COMPONENTS

7. Place the instrument cluster on a static mat for repairs. A static bracelet must be worn for all bench repairs.

**Caution:** When servicing or troubleshooting, do not leave the cluster face-down for more than 15 minutes, or damage to the gages may occur. Gage oil can run out the front of the gage faces and make the gages inaccurate.

<p><b>REMOVE 3 SCREWS</b></p> 	<p><b>UNFASTEN 2 SCREWS</b></p> 
<p><b>STEP NO 1</b></p>	<p><b>STEP NO 2</b></p>

 <p>TURN PC BOARD OVER AND DISCONNECT RIBBON CABLE ON LH SIDE THEN REMOVE PC BOARD</p>	<p>USE A TORX SCREWDRIVER NO. T18 AND UNFASTEN SCREWS (2) SUPPORTING THE DISPLAY TO THE PC BOARD.</p>  <p>REMOVE THE FAILED DISPLAY AND INSTALL THE NEW ONE.</p>  <p>SECURE THE NEW DISPLAY ON THE PC BOARD WITH 2 SCREWS.</p>
<p><b>STEP NO 3</b></p>	<p><b>STEP NO 4</b></p>



### Instrument Cluster Installation

1. Reinstall the instrument cluster into the dashboard housing.
2. Insert the lower part of Pollak instrument cluster into the housing. Exert a pressure on the lower part of the instrument cluster to avoid jamming the instrument cluster glass pane. Rest the leaf spring against the supports.

**Note :** The instrument panel supports may be lowered from 1 mm to 2 mm maximum if, after tightening, the pane does not clear the housing (figure 3).

3. Bring back the top of the instrument cluster, insert the screws and tighten the nuts until the instrument cluster rests against the housing (figure 3).
4. Reconnect the 3 air hoses.

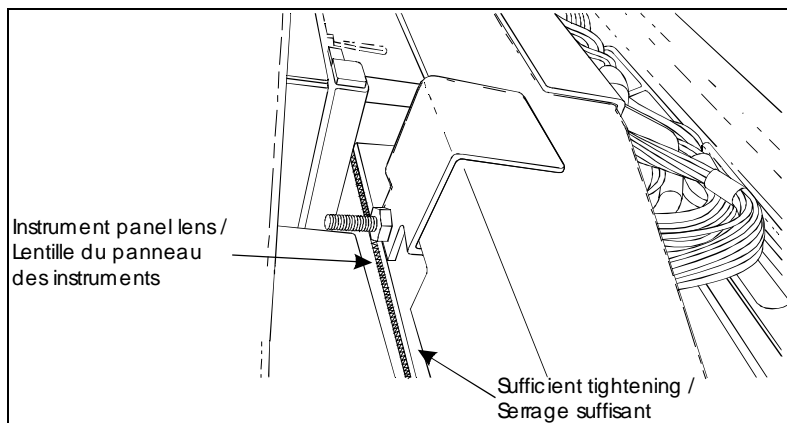


FIGURE 3

5. Reconnect the instrument cluster cabling.
6. Reinstall the dashboard cover.

## PARTS / WASTE DISPOSAL

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)