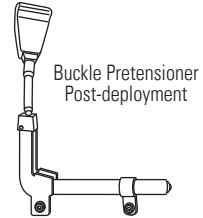
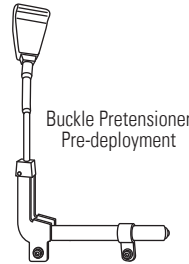


Buckle Pretensioner Installation Instructions

What is the Buckle Pretensioner and how does it work?

In the event of side roll, the Buckle Pretensioner deploys at each static seating position. The pretensioner retracts the cable and buckle removing slack from the belt.

The buckle pretensioner is only effective when used with a seatbelt. **ALWAYS WEAR YOUR SEATBELT.**



Important Facts

PLEASE READ THIS ENTIRE GUIDE BEFORE INSTALLING THE BUCKLE PRETENSIONER.

- Buckle Pretensioner is to be used in a specific vehicle application and seating position.
- Use this Buckle Pretensioner installation guide in addition to the vehicle manufacturer's guide.
- Use only IMMI provided fasteners.

Buckle Pretensioner Installation

1. **DO NOT PUNCTURE OR DRILL BUCKLE PRETENSIONER**
2. **DO NOT MOUNT ANYTHING NEAR THE UNIT THAT COULD INTERFERE WITH THE TRAVEL PATH OF THE BUCKLE.**
3. Ensure the battery disconnect switch is in the OFF position and battery leads are disconnected from battery.
4. If replacing a previously installed system, disconnect the Roll Sensor(s) from the wire harness.
5. Roll Sensor connections should always be made last. **ENSURE ROLL SENSOR IS DISCONNECTED!**

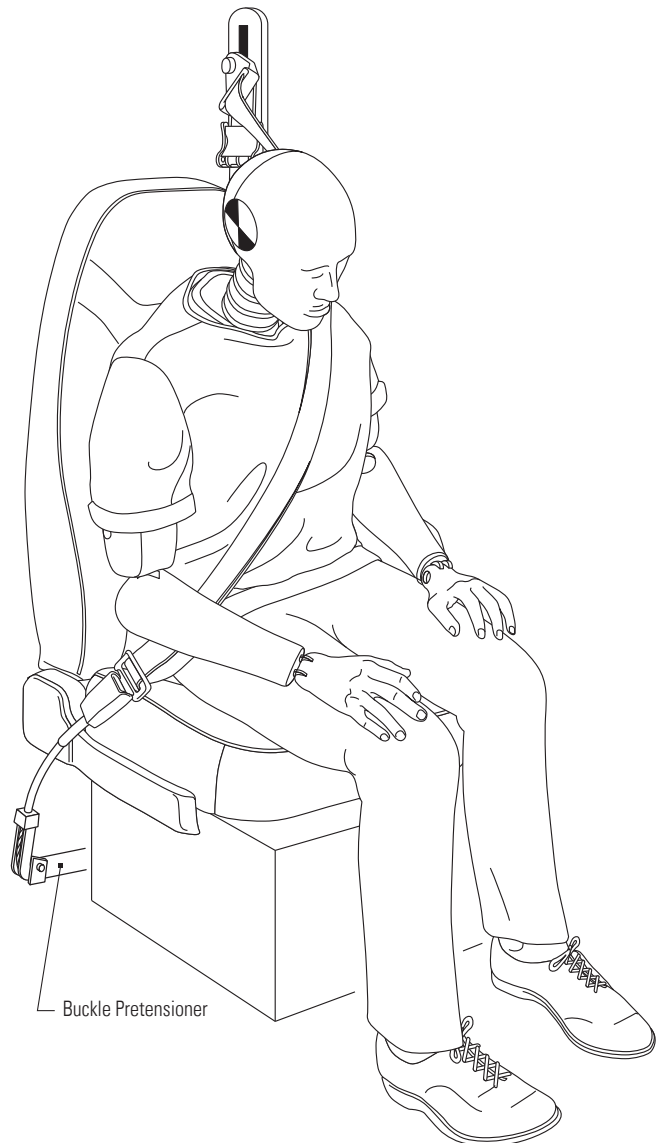
The unit is designed to activate once. If the system is activated or is damaged, the unit must be replaced by authorized personnel.

⚠ WARNING

DO NOT APPLY HEAT
Temperatures over 85° C (185° F) could cause the unit to deploy. The deploying Buckle Pretensioner could cause serious injury or death.

⚠ WARNING

HAZARDOUS OPERATION
Applying power prematurely could deploy occupant protective devices, causing serious injury or death to installer. Disconnect and tag out power. Always make connections to Roll Sensor last. Keep clear of protective devices when first applying power.



Unpacking the Buckle Pretensioner

1. Remove unit from main carton. There are 4 units per carton. See **FIGURE 1**
2. If parts need to be returned, they must be returned in the original packaging.

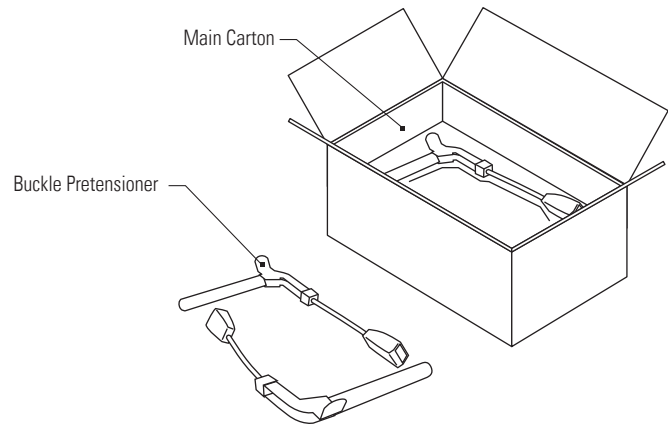


Figure 1

Product Identification

1. Locate the product identification label. This is located on the top surface of the unit. See **FIGURE 2**
2. Verify your unit is the proper system for your configuration.



Figure 2

Mounting Buckle Pretensioner to Vehicle

1. Use only pre-drilled mounting holes.
2. Metal to metal contact is mandatory on all mounting points.
3. Position the unit in place. Make sure wiring harness is free and not pinched under unit. See **FIGURES 3, 4 & 5**
4. **DO NOT MAKE WIRING HARNESS CONNECTION TO UNIT AT THIS TIME.**
5. Position the unit on the cab seat base (see **FIGURE 3**), cab engine tunnel wall (see **FIGURE 4**), or cab wall (see **FIGURE 5**) and align the holes with the mounting holes on the unit.
6. Hand start both bolts into their mounting holes. Using a wrench tighten bolts.
7. Torque each mounting bolt (2) on Buckle Pretensioner to 35 to 40 ft.-lbs.

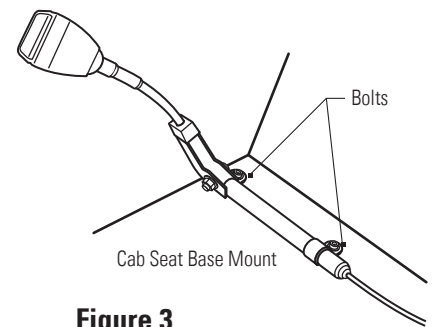


Figure 3

Electrical Connection and Test

1. Ensure battery switch is OFF.
2. Make connection between cab wiring harness and Buckle Pretensioner. See **FIGURE 4**
3. Verify that both plugs and connectors are latched together.

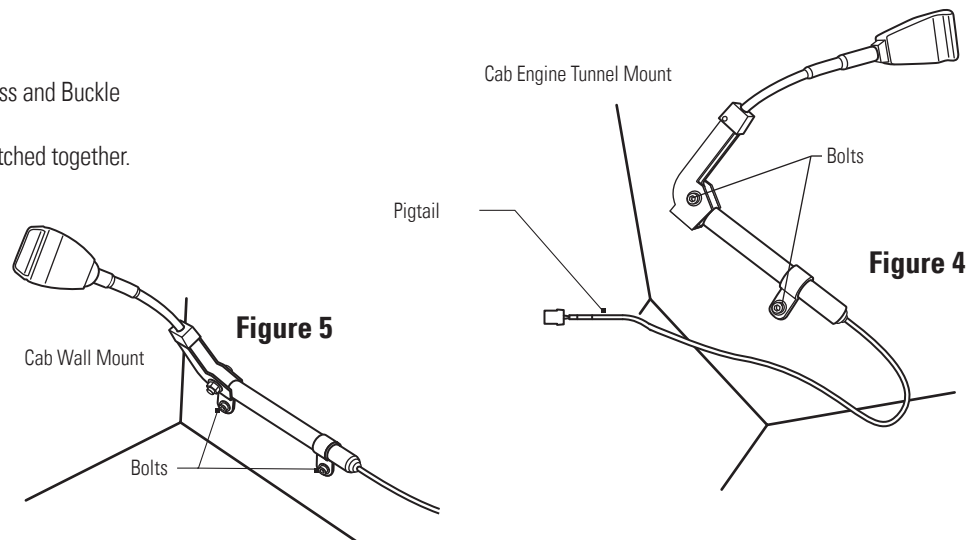


Figure 4

Figure 5



15359