

25500292 Rev. C0 1016

Safety Messages to Installers and Service Personnel

These instructions are for the following models: Door Panel Models PTDP01, PTDP02, PTDP04, PTDP03 and Window Guard Models PTWGPC01, PTWGPC02, PTWGPC03, PTWGPC04, PTWGS01, PTWGS02, PTWGS03, PTWGS04.

WARNING

The lives of people depend on your proper installation and servicing of Federal Signal products. It is important to read and follow all instructions shipped with this product and the original product. In addition, listed below are some other important safety instructions and precautions you should follow.

- To properly install or service this equipment, you must have a good understanding of automotive mechanical and electrical procedures and systems, along with proficiency in the installation and use of safety warning equipment. Always refer to the vehicle's service manuals when performing equipment installations on a vehicle.
- Never attempt to install aftermarket equipment that connects to the vehicle wiring without reviewing a vehicle wiring diagram available from the vehicle manufacturer. Ensure that your installation will not affect vehicle operation or mandated safety functions or circuits. Always check the vehicle for proper operation after installation.
- To avoid a battery explosion, always disconnect the negative battery cable first and reconnect it last. Avoid causing a spark when connecting near or to the battery. The gases produced by a battery can cause a battery explosion that could result in vehicle damage and serious injury.
- DO NOT install equipment or route wiring (or a plug-in cord) in the deployment path of an airbag.
- If a vehicle seat is temporarily removed, verify with the vehicle manufacturer whether or not the seat needs to be recalibrated for proper airbag deployment.
- Before mounting any components, check the manual to be sure that the component you are installing is suitable for use in the particular area of the vehicle. Many components are not suitable for use in the engine compartment or other extreme environmental exposure areas.
- When drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged. Remove all burrs from drilled holes. To prevent electrical shorts, grommet all drilled holes through which wiring passes. Also, ensure that the mounting screws do not cause electrical or mechanical damage to the vehicle.
- If a seat is temporarily removed, verify with the vehicle manufacturer whether or not the seat needs to be recalibrated for proper airbag deployment.
- To ensure proper operation, test all vehicle functions, including horn operation, vehicle safety functions, and vehicle light systems. Ensure that the installation has not affected the vehicle's operation or changed any vehicle safety function or circuit.
- After installation and testing are complete, provide a copy of these instructions to instructional staff and all operating personnel.
- File these instructions in a safe place and refer to them when maintaining and/or re-installing the product.

Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death.

Installation Instructions for the Door Panel and Window Guard

Table 1 Required Tools

Description
Drill Motor
#10 Sq. Driver

⚠ WARNING

- **SEAT REMOVAL PRECAUTION:** If a vehicle seat is temporarily removed, verify with the vehicle manufacturer whether or not the seat needs to be recalibrated for proper airbag deployment. Failure to observe this warning may cause serious injury or death.
- **AIRBAG DEPLOYMENT:** Do not install equipment or route wiring in the deployment path of an airbag. Failure to observe this warning will reduce the effectiveness of the airbag or potentially dislodge the equipment, causing serious injury or death.
- **BATTERY EXPLOSION:** To avoid a battery explosion, always disconnect the negative battery cable first and reconnect it last. Avoid causing a spark when connecting near or to the battery. The gases produced by a battery can cause a battery explosion that could result in vehicle damage and serious injury.

⚠ CAUTION

- **HEAVY OBJECT:** Use lifting aids and proper lifting techniques when removing or replacing this product. Failure to follow this caution may cause personal injury.
- **DRILLING PRECAUTIONS:** When drilling holes, check the area you are drilling into to be sure you do not damage vehicle components. All drilled holes should be de-burred, and all sharp edges should be smoothed. All wire routing going through drilled holes should be protected by a grommet or convolute/split tubing.

Door Panel and Window Guard Installation Instructions

NOTICE

DRILLING PRECAUTIONS: *Locate all wiring, fuel lines, brake lines, and/or cooling lines before drilling holes or installing fasteners.*

1. Door Panel installation.

For Ford Police Interceptor Sedan Only (Steps A-C)

- a. Drill 1-1/4" hole in the door panel for actuator cover.

Figure 1 Drill hole in door panel



- b. Cut off top of actuator knob.

Figure 2 Cut off top of actuator knob



- c. Install actuator cover over actuator.

All Models

- d. Install Door Panel directly over factory door.

Figure 3 Install Door Panel



- e. Using a 13/64" drill bit, drill 8-holes through both door cover and OEM door panel, drill a hole at every dimple in door cover. Push into place (8) 1/4" Trim Panel Fasteners (P260) into holes.
- f. Repeat the process for opposite side.

CAUTION

DRILLING PRECAUTIONS: Before drilling, make sure there are no obstructions, wires, etc. that will be cut when drilling.

- 2. Install Window Guard. **NOTE:** Do not over tighten screws.
 - a. Lower window to the full open position.
 - b. Place window guard with bottom flange resting on the top edge of door panel, or on the top edge of factory door. (If a door panel has not been purchased).

Installation Instructions for Door Panel and Window Guard

- c. Starting with a hole at the middle of the window, (left or right) insert a #10 x 0.750 square drive self tapping screw (P051) into the door frame. Insert a screw in the direct opposite hole.
- d. Insert screws in the remaining holes on the inside window guard.
- e. From outside the window, insert screws through the holes in the flange into the top of the door.

Figure 4 Install Window Guard



Getting Technical Support and Service

If you are experiencing any problems with this product, please contact the Federal Signal Service Department at:

Service Department

Federal Signal Corporation

Phone: 800-433-9132

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