

**INSTALLATION INSTRUCTIONS FOR
MODEL BPGR-2FT COMPACT SPEAKER
BEHIND GRILLE MOUNTING SYSTEM
(1992 AND NEWER FORD TAURUS)**

SAFETY MESSAGE TO INSTALLERS

Peoples lives depend on your safe installation of our products. It is important to read, understand and follow all instructions shipped with the products. In addition, listed below are some other important safety instructions and precautions you should follow:

- To properly install mounting kit: you must have a good understanding of automotive electrical procedures and systems, along with proficiency in the installation and use of safety warning equipment.
- Mounting the speaker(s) behind the grille will slightly reduce the sound intended to warn others.
- Sound propagation and warning effectiveness will be severely reduced if the speaker projector is not facing forward. Carefully follow the installation instructions and always install the speaker with the projector facing forward.
- Sound propagation will be severely reduced if any objects are in front of the speaker. You should ensure that front of speaker is clear of any obstructions.
- When drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged.
- All effective sirens produce loud sounds which may cause, in certain situations, permanent hearing loss. You should take appropriate precautions such as wearing hearing protection.
- Inspect the mounting system periodically to ensure it is in good condition.
- After installation and testing are complete, provide a copy of this instruction sheet to all operating personnel.
- File these instructions in a safe place and refer to them when maintaining and/or reinstalling the product.

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

A. UNPACKING.

After unpacking the kit, carefully check all envelopes, shipping labels, and tags before removing or destroying them. Ensure that the parts listed in the KIT CONTENTS LIST are contained in the packing carton.

B. KIT CONTENTS LIST.

Qty.	Description	Part Number
1	Bracket, Speaker Mtg.	8567036
2	Bolt, Carriage, 3/8-16	7004024-16
2	Nut, 3/8-16	7059A063
2	Lockwasher, Split, 3/8"	7074A046
4	Lockwasher, Split, 1/4"	7074A015

C. INSTALLATION.

Speaker installation requires drilling two 13/32" holes in the passenger side frame forward of the front wheel. To install the speaker, proceed as follows:

1. See figure 1. Locate the frame on the vehicle's passenger side forward of the front wheel well.

CAUTION

Before drilling or cutting holes in ANY part of a vehicle, be sure that both sides of the mounting surface are clear of parts that could be damaged; such as brake lines, electrical wiring or other vital parts.

2. See figure 2. Using the speaker mounting bracket as a template, place the front edge of the speaker mounting bracket's triangular-shaped tab even with the notched step on the vehicle frame's front end. Scribe drill position marks on the vehicle frame. Center punch the drill position marks.

NOTE

When installing on a 1996 Taurus, the instructions in the following paragraph must be performed.

See figure 3. Installation on a 1996 Taurus requires cutting the plastic cover on the vehicle underside between the frame and bumper molding. After the speaker bracket position is determined, cut a 6" by 6" opening in front of the bracket and outward toward the bumper molding. Depending on the speaker bracket location, part of the wheel well splash guard may also need to be cut.

3. Drill 1/8" pilot holes at the two center-punched drill position marks. Drill out the pilot holes using a 13/32" drill.

NOTE

To prevent the speaker cone and driver from falling out of the casting while performing steps C.4. through C.6., place the speaker face down on the packing carton prior to removing the screws.

4. Remove the four screws and eight spacers from the back of the speaker. Discard the eight spacers. Retain the screws.

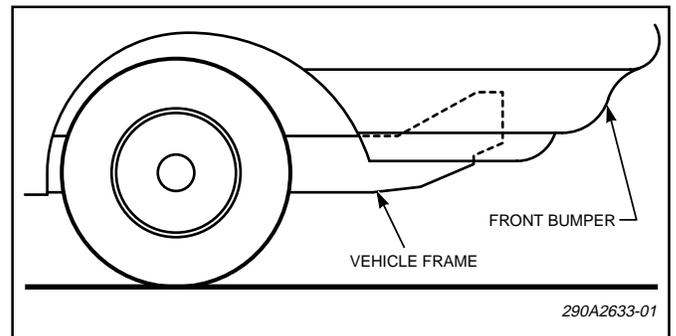


Figure 1.

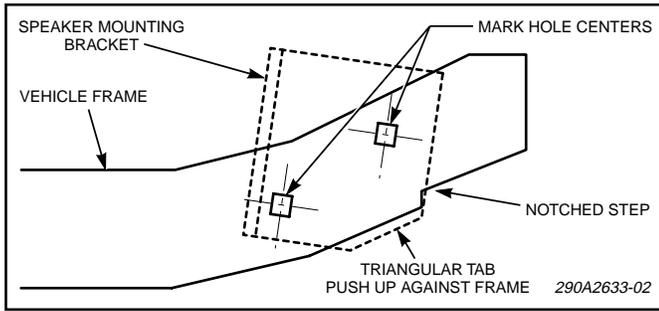


Figure 2.

5. Insert the 3/8-16 carriage bolts into the speaker bracket's square holes as shown in figure 4. To retain the carriage bolts while assembling the bracket to the speaker, assemble the 3/8" nuts on the bolts and finger tighten the nuts.

WARNING

To avoid reduction of sound output and damage to the speaker, ensure that the speaker is mounted with the wires protruding from the bottom of the unit.

6. Assemble the speaker mounting bracket to the speaker using the four 1/4" split lockwashers and the previously removed screws as shown in figure 4. Note the orientation of the bracket with respect to the speaker. Remove the finger-tightened 3/8" nuts.

7. Position the speaker and bracket assembly so that the carriage bolts are aligned with the previously drilled holes. Place the speaker assembly against the frame and secure in position using the 3/8" lockwashers and nuts as shown in figure 5.

8. Connect the two leads from the speaker to the electronic siren's speaker cable. Refer to the instruction sheet packed with the electronic siren for additional details.

WARNING

All effective sirens produce loud sounds which may cause, in certain situations, permanent hearing loss. You should take appropriate precautions such as wearing hearing protection.

9. Test the speaker for proper operation.

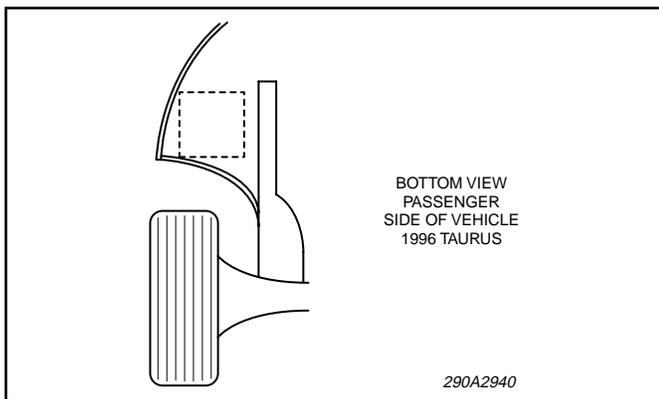


Figure 3.

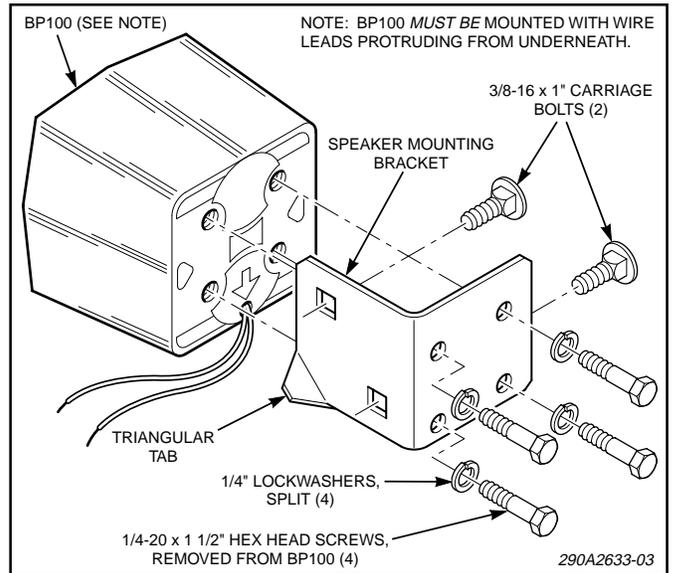


Figure 4.

SAFETY MESSAGE TO OPERATORS

Listed below are some important safety instructions and precautions you should follow:

- All effective sirens produce loud sounds which may cause, in certain situations, permanent hearing loss. You should take appropriate precautions such as wearing hearing protection.
- Your hearing and the hearing of others, in or close to your emergency vehicle, could be damaged by loud sounds. This can occur from short exposures to very loud sounds, or from longer exposures to moderately loud sounds. For hearing conservation guidance, refer to federal, state, or local recommendations. OSHA Standard 1910.95 offers guidance on "Permissible Noise Exposure."
- Optimum sound propagation will be reduced if speaker becomes clogged with a foreign substance such as mud or snow. While cleaning, ensure that the substance is not packed into speaker.
- Although your warning system is operating properly, it may not be completely effective. People may not hear, see, or heed your warning signal. You must recognize this fact and continue driving cautiously.
- Also, situations may occur which obstruct your warning signal when natural or man-made objects are between your vehicle and others. If these situations occur, be especially careful.
- It is important that you fully understand how to safely operate this warning system before use.

Failure to follow these safety precautions may result in property damage, serious injury, or death to you, to passengers, or to others.

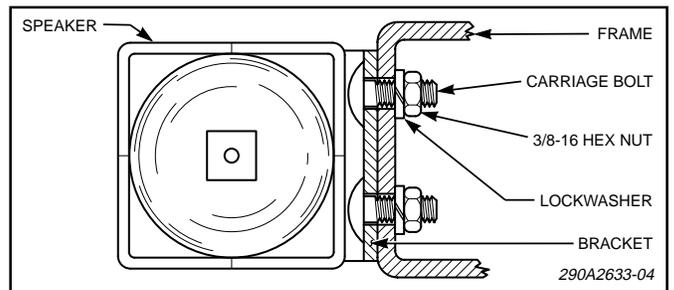


Figure 5.