

CHOOSING A LOCATION

For the best performance, install these speakers on a solid, firm surface that does not vibrate at high volume levels. We recommend you mount the speakers in the door panels or the rear deck.

NOTE: Cardboard or fiber panels are not good mounting surfaces.

As you are deciding on a location, carefully inspect the area behind the proposed mounting surface.

There must be a clear unobstructed area of at least 2 inches (50.8 mm) behind the panel.

If it is a door location, check to be sure the window, window mechanism and window handle will clear the speaker.

NOTE: Make sure the window opens and closes properly.

INSTALLING THE SPEAKERS

1. Use the supplied template to mark the speaker opening and the mounting screw hole locations.
2. Cut out the marked speaker opening in the mounting surface.

NOTE: Steel door panels and the rear deck (behind the upholstery) might already have large cut-out areas for recessing the speaker

3. Drill the four mounting-screw holes.

CAUTION: Be careful not to drill into anything behind the mounting surface.

4. Mount the supplied speed clips directly onto the mounting screw holes that you drilled using the supplied template.
5. If necessary, route new speaker wire from the autosound system to the mounting area.

CAUTIONS: Avoid routing speaker wire where it can be pinched or stepped on. You can usually route it along the channel beneath the vehicle's door facings.

If you selected door locations, you might need to punch a small hole in the door edge (near the door hinges) to route the wires into the door. Leave enough slack wire to open the door all the way.

6. Insert the positive (+) and negative (-) stripped speaker wire ends through the corresponding speaker terminals, wrap them around the terminals, and either solder or crimp them in place.

CAUTIONS: Improper phasing can cause poor bass response. To ensure proper phasing, you need to match your autosound system's positive (+) and negative (-) speaker wires to the corresponding positive (+) and negative (-) speaker terminals.

Do not connect any of your speaker terminals to chassis ground.

7. Remove the grille from each speaker's mounting bracket to expose the mounting holes.
8. Place the mounting bracket on the speaker.
9. Align each speaker's mounting holes and the mounting bracket's holes with the holes on the speed clips, thread a supplied screw through each mounting hole, and tighten all screws until they are secure.
10. Firmly press the grille onto each speaker's mounting bracket.

NOTE: You can use the supplied adhesive glue to further secure the grille to the mounting bracket.

Press the glue into the mounting bracket's edges.

Optimus 4-Inch Flush-Mount Speaker System
(120-1746) Specification

Faxback Doc. # 34218

Speaker Size:

Woofer: 4 Inch (102 mm) Dual Cone
Woofer, Cone: Paper
Sub Cone: Paper
Grille: Hi Heat ABS
S.P.L.: 89 dB
Barium Magnet Weight: 70 x 32 x 10, 5.4 oz (1/8 kg)
Maximum Power: 45 Watts/Channel
Power Handling: 15 Watts RMS/Channel
Impedance: 4 Ohms
Frequency Response: 95 Hz - 19 kHz
Weight (one speaker): 1 lb. (0.453 kg)
Dimensions (HWD): 4 13/16 x 4 13/16 x 2 5/16 Inches
(122 x 122 x 59 mm)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

(YO/EB 7/29/96)
LN-03/04