

**PLEASE READ
ALL INSTRUCTIONS PRIOR
TO INSTALLATION**

Tools Required for Installation:

- 1-7/8" diameter hole saw
- Jig saw or small key hole saw
- Electric drill
- Phillips head screwdriver
- Crimping/cutting tool
- Electrical tape

Installation items required and not included:

- Horn button rated for 5 amps
- 5 amp fuse and fuse holder
- #8 x 1"
- flat head Phillips screw (2)
- ¼" female quick-connect tabs (2)
- Red stranded wire for positive*
- Black stranded wire for negative*

*See wiring chart for choosing the correct wiring size

Installation Instructions

Mounting the Horn:

1. Choose a location for the horn making sure that there is enough room to fit the horn and rear exit wires – 3.75" – and run the wiring to the horn button (not included).
- IMPORTANT: When choosing the mounting location, find a place that is as flat as possible. If there is too much curvature in the mounting location will not allow the horn gasket to seal properly and/or keep the grill from locking into place.
2. Use the template below to locate the center points for the 1-7/8" diameter holes and the pilot holes, and mark their locations.
3. Use the hole saw to cut two 1-7/8" holes 1-1/2" apart, and use a jigsaw or key hole saw to remove the excess material at the top and bottom to form a smooth oval shape.
4. Drill the pilot holes for the horn face mounting bracket mounting screws.

NOTE: There is no polarity for the horn wiring. See the Recommended Wire Sizes chart below for the proper gauge of wire needed for the installation. Always use stranded wire, preferably tin-coated.

5. Install the wiring, fuse, and horn button and pull the wires through the opening in the hull. To make the wiring process easier, allow an extra 12" or so of slack. Cut the insulation off the ends of the wires, attach the ¼" female quick connect tabs and crimp. For added stability and protection, cover the connections with electrical tape and wire the horn as per the diagram.
6. Slide the horn through the opening from the outside and secure the horn to the hull with two #8 x 1" flat head mounting screws. If needed, shorter screws can be used.

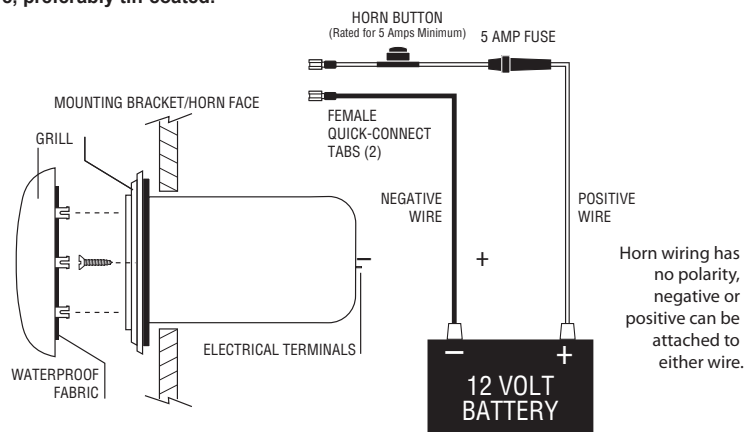
NOTE: The horn can be mounted with the name on the top or the bottom, but since the grill can only be mounted one way, how you mount the horn will determine the direction of the grill opening.

7. Snap on your choice of either the chrome or white grill. To remove the grill, use a small screwdriver to gently pry it off. Please note that repeated removal of the grill may cause the mounting tabs to weaken and prevent reattachment.

Troubleshooting Tips:

If the horn does not produce any sound or is low in volume, check the following:

1. Check to see if the 5 Amp fuse has blown, replace if needed.
2. Recheck for proper wiring (see wiring diagram). Check all contacts and connection points. Make sure there is slack in the wiring to the horn so that the horn can vibrate freely. Be sure nothing is touching against the horn housing.
3. Use a DC voltmeter to check to make sure there is 12 volts across the two wires connected to the horn while the horn button is activated.



For a full listing of Sea-Dog Horns plus many other marine accessories visit our website at sea-dog.com

RECOMMENDED WIRE SIZES FOR 12 VOLT OPERATION (Wire Gauge Guide)

Wire Length*	Wire Size	Wire Length*	Wire Size
0-50 feet	16 AWG	0-15 meters	1.5 mm
51-80 feet	14 AWG	16-24 meters	1.9 mm
over 80 feet	12 AWG	over 24 meters	2.3 mm

AWG: American Wire Gauge

* As measured from the battery to the horn and back to the battery (round trip).

