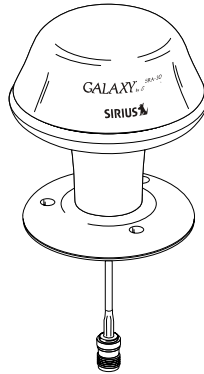


Shakespeare®

SINCE 1897

Style SM-31 Mounting Kit for SRA-30



Thank you for choosing a Shakespeare product. Shakespeare works hard to build reliability and durability into all of its products for maximum customer satisfaction. Customer comments are welcome. Before installing, please study the diagram and check parts supplied against those listed.

IMPORTANT: Please read all instructions before installing.

The Style SM-31 is a mounting kit for a Shakespeare Galaxy® Style SRA-30 Satellite Radio Antenna (sold separately). The kit provides a convenient way to mount the antenna onto a flat surface using the included Mounting Flange, or without the flange onto an extension mast (1"-14 thread) or a Shakespeare Style 4720 Rail Mount (sold separately). When the flange base is used, the kit allows routing the antenna's coax cabling with or without passing the cable through the mounting surface.

Supplied parts: (1) 1"-14 Thread Adapter
(1) Rubber O-ring
(1) Surface Mounting Flange
(1) Mounting Gasket with knife-slit for passing the coax cable
(3) Self-tapping stainless steel mounting screws

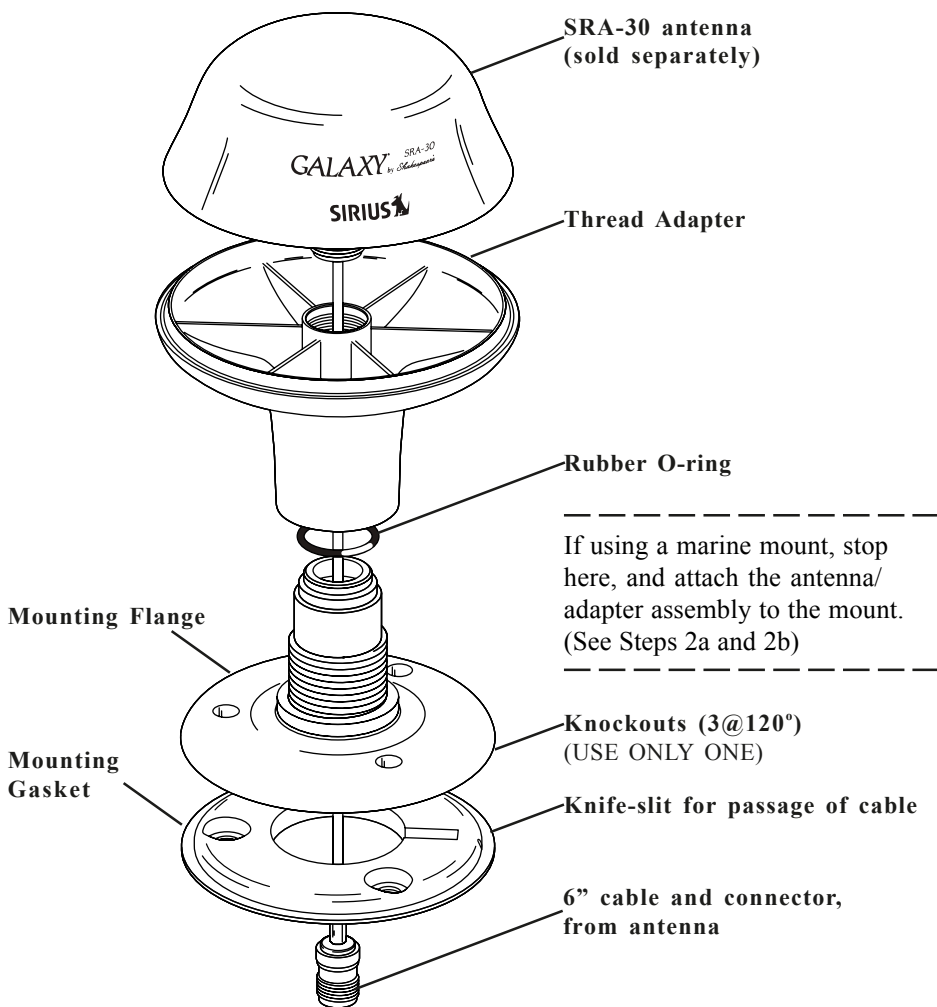
Tools required: Screwdriver. Drill and drill bits (9/16", 7/64"), needle nose pliers, or other tools appropriate to your specific application may also be needed.

Required materials:

(1) Shakespeare Galaxy® SRA-30 Satellite Radio Antenna (sold separately)

**DO NOT CUT OR ALTER THE ANTENNA CABLE.
DO NOT REMOVE ITS CONNECTOR.**

Step 1: Choose a mounting location according to the instructions included with the SRA-30 antenna (sold separately). The Mounting Flange requires a flat, not curved surface. The SM-31 Mounting Kit can be employed as a surface mount or to adapt the antenna to the 1"-14 thread end of a marine antenna extension mast or a Shakespeare Style 4720 Rail Mount (each sold separately). The antenna's cable can be routed through a hole in the mounting surface, through the Mounting Flange, or through the extension mast. **IMPORTANT:** When mounting to a flat surface using the mounting flange and gasket, orient the Mounting Flange so that the cable exit faces the rear of the vessel or vehicle, away from oncoming wind due to normal vessel or vehicle motion. Mount the SM-31 so that it does not interfere with safe operation of the vessel or vehicle.



Step 2: Route the antenna's cable through the Thread Adapter as shown. Screw the antenna into the Thread Adapter and hand tighten. This assembly, without the

mounting flange and mounting gasket, fits a standard 1"-14 thread extension mast or a Shakespeare Style 4720 Rail Mount (each sold separately)—see Steps 2a and 2b.

If you are attaching the antenna to a marine extension mast or mount:

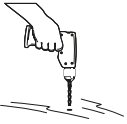
Step 2a: Screw the antenna/adaptor assembly onto the mount.

IMPORTANT: The hole in ratchet-type antenna mounts will not accommodate the SRA-30's connector. **Do not cut the cable and do not remove the connector.** You must use a flange or other mount, or an extension mast, which will allow the cable and its connector to pass through.

Step 2b: Attach the antenna's cable extension and route the cable to your receiver. Done!

If you are attaching the antenna to a flat surface, the cable with its connector attached can be routed through a 9/16" hole drilled in the mounting surface, or passed through the Mounting Flange. Do not cut the cable and do not remove the connector.

When running the cable through the mounting surface (Option a):

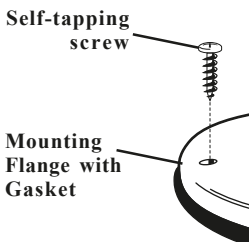


Step 3: Drill a 9/16" center hole for the antenna cable. When drilling fiberglass surfaces, use a small backup block of scrap wood to control push-through splintering. Use caution to avoid drilling through or near fuel lines, fuel tanks, hydraulic lines, or electrical wiring.

Step 4: Attach the Thread Adapter to the SRA-30 antenna; then attach the Mounting Flange to the Thread Adapter and place the Mounting Gasket in the Mounting Flange (refer to the diagram at left). Orient the antenna so that the Galaxy® name faces forward (or otherwise as you prefer).

Step 5: While holding the Mounting Gasket to the surface, lift off the assembly and use the Mounting Gasket as a template to mark locations for the mounting screws.

Step 6: The supplied mounting screws will accommodate most surfaces. If you find them too long, too short, or otherwise unsuitable for your application, substitute wood screws, machine screws/washers/nuts, or other hardware (not supplied). Be sure to use *only* stainless steel hardware. If you find it too difficult to start the screws, drill 7/64" pilot holes.



Step 7: Unscrew the Mounting Flange from the Thread Adapter and place the Mounting Gasket in the Mounting Flange.

Step 8a: Attach the Mounting Flange and gasket to the surface using the supplied self-tapping screws (or other hardware, not supplied). Do not overtighten.

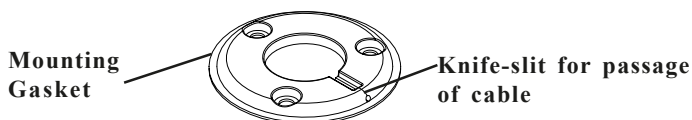
Step 9a: Attach the Thread Adapter with antenna to the Mounting Flange.

When running the cable through the side of the Mounting Flange (Option b):

Follow Steps 3 through 7 above. Then:

Step 8b: Use needle nose pliers to break off **one** of the three cable knockouts in the Mounting Flange. (See illustration on page 2)

Step 9b: Position the cable in the gasket's knife-slit while fitting the gasket in position in the Mounting Flange.



Step 10b: LOOSELY attach Mounting Flange with Gasket to the surface. The cable should exit to the rear of the vessel or vehicle away from oncoming wind due to normal vessel or vehicle motion.

Step 11b: Attach the Thread Adapter with antenna to the Mounting Flange.

IMPORTANT: Rotate the cable counterclockwise while turning the Thread Adapter clockwise. Make sure the cable turns freely and does not bind.

Step 12b: Firm up the mounting screws, but do not over tighten.

To complete the installation, attach the antenna's cable extension (25' supplied with SRA-30, other lengths sold separately), and route it to your receiver. Done!



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