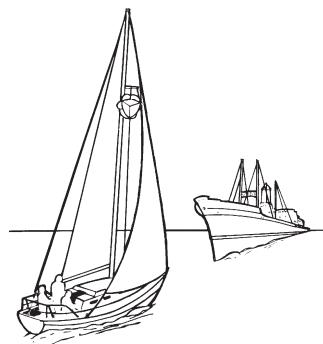


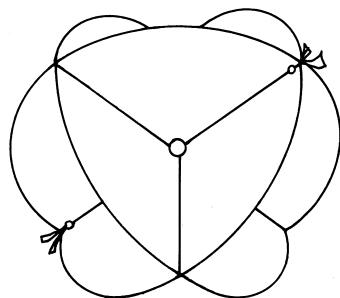
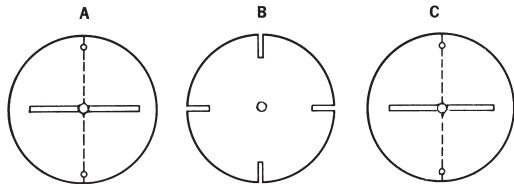
RADAR REFLECTOR

- Made from Fome-Cor® plastic, laminated with heavy duty aluminum foil
- Mounts on mast, rigging, spreader, outriggers, etc.

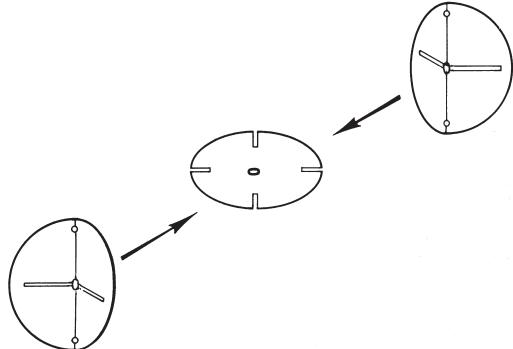


ASSEMBLY INSTRUCTIONS

1. With scored line facing you, fold discs A and C toward you to a 90° angle.
2. Holding disk B horizontal, slide disc A into disc B through centered slot, engaging slots in disc B.
3. Repeat on other side of disc B, using disk C.
4. Important: After assembling radar reflector, securely lash two corners using 1/16" (1.6 mm) synthetic line.

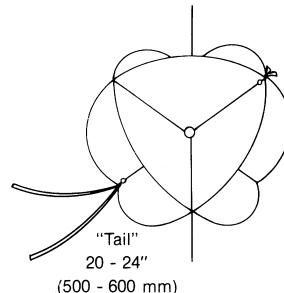


Unit can be disassembled and stowed flat.



Optional Use of Windvane Tail

To counteract rotation, a double strand of synthetic line 1/8 to 3/16" (3.2 to 4.8 mm) tied to a lower corner hole forms a windvane tail as shown. Tail becomes more effective as wind increases.



INSTALLATION INSTRUCTIONS...

See next page.

INSTALLATION INSTRUCTIONS

Maintains reflector in optimum “catch rain” or “6-corner” position

HALYARD INSTALLATION— SINGLE LOOP

1. Place assembled radar reflector on a flat surface with **arrow in top corner**, as shown in Figure 1.

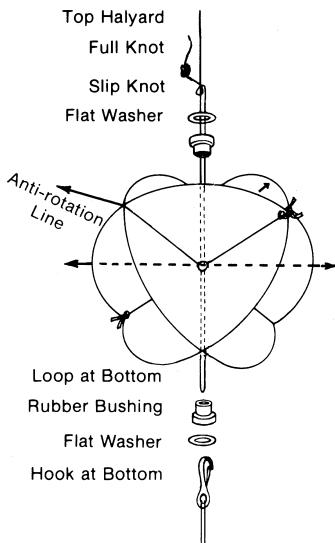


Figure 1.

Halyard installation, single loop.

2. Form an open loop of 1/8" (3.2 mm) synthetic line and feed into center hole of top corner and through to opposite (bottom) corner. The tip of a screwdriver helps do this. Warning: Feeding through other corners can make a weak installation.
3. At top and bottom, feed on Rubber Bushings, small ends inward, and follow with Flat Washers.
4. Slip a hook or cotter ring through end of loop on bottom to secure bottom side.
5. On top side, tie short loose end of line in a slip-knot around “fixed” line or top halyard and then put a knot in the end of the short, loose line.
6. Pull out slack in the line and attach a line or halyard to the hook or cotter ring on the bottom side.
7. Stretch lines vertically to maintain “catch rain” position.
8. Rotation and bouncing of the radar reflector on its lines do not degrade performance and, in fact, may be advantageous under most conditions in establishing the best average echo response 360° around the horizon.

Continuous and rapid rotation, however, can damage or break the support lines. To prevent this, attach light line from a corner or the center of the radar reflector to any convenient side point, as shown in Figure 1.

ALTERNATIVE HALYARD INSTALLATION—DOUBLE LOOP

1. Place assembled radar reflector on a flat surface with **arrow in top corner**, as shown in Figure 2.

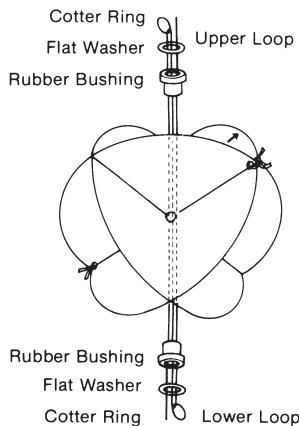


Figure 2.
Halyard installation, double loop.

2. Form double loop of 1/8" (3.2 mm) plastic line and feed into center hole of top corner and through to opposite (bottom) corner. The tip of a screwdriver helps do this. Warning: Feeding through other corners can make a weak installation.
3. At top and bottom, feed on Rubber Bushings, small ends inward, and follow with Flat Washers.
4. Slip a cotter ring through end of loop on both top and bottom sides to secure both loops.
5. Pull out slack in the line and stretch vertically to maintain “catch rain” position. By loosening the line, the radar reflector can be relocated higher or lower on the line.

NOTE: In both halyard installations, normal line tension automatically causes the bushings to fit snugly into the top and bottom corners and hold the radar reflector firmly but without damage.

PERMANENT OR HARD MOUNTING

A 1/4" (6.4 mm) or 5/16" (8.0 mm) diameter threaded metal rod can be passed from top to bottom corner in place of the cord loop, as shown in Figure 3.

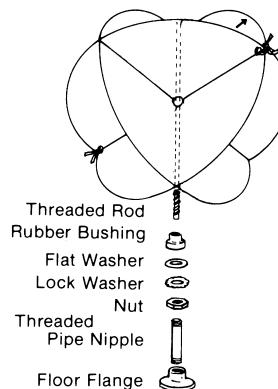
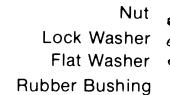


Figure 3.

Permanent or hard mounting.

Rubber Bushings and Flat Washers are added at top and bottom. Lock washers and nuts are then tightened snugly.

The threaded rod can be used to carry bails at top and bottom for attachment of lines, can be lashed to an oar or mast in emergencies, or the bottom end of a longer threaded rod can be pinned or epoxied into a pipe nipple at the bottom. A pipe floor flange can then be used to mount the radar reflector assembly onto any suitable surface.

CAUTION: Prevent nipples or nuts from unscrewing by themselves.

Some type of thread lock adhesive, such as anaerobic Devcon “Super-Lock,” is helpful, but we strongly recommend pinning or safety wiring of threaded parts.

HELPFUL HINTS: Maintain the height of the radar reflector as high as possible above deck. Prevent shadowing by keeping it as far away as possible from metal masts, wet sails, etc.

IMPORTANT NOTICE: No matter what method is employed to mount the radar reflector, it is the responsibility of the user to make periodic inspections of lines and fittings to insure that no condition is developing which could lead to mounting failure.

Replacement Parts

Contact your dealer or Davis Instruments to order replacement parts.

R151A Rubber Bushings and Washers (2 each)

Davis Instruments

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