

# HARKEN®

## INSTALLATION SHEET

### Midrange Track Trim Caps • Control Blocks

Track: 1511, 1535, 1596, 1602, 1610, 1616, 1617, 1618

Trim Caps: 1524, 1525, 1621, 1622

Control Blocks: 1516, 1517, 1518, 1519, 1520, 1521

1251 East Wisconsin Avenue • Pewaukee, WI 53072 U.S.A.

Telephone: (262) 691-3320 • Fax: (262) 691-3008

Web: [www.harken.com](http://www.harken.com) • E-mail: [harken@harken.com](mailto:harken@harken.com)

### INSTALLATION INSTRUCTIONS

#### Read all instruction before cutting or mounting track.

It may be necessary to put trim caps, control blocks and traveler car on the track before mounting. Slide control assemblies onto track with bumper facing the car. Keep control assembly loose so it can be moved out of the way while installing track.

#### Cutting Track

To cut track to length, make sure stop holes for control blocks do not interfere with hole for mounting track. If necessary, cut both ends of track (Figure 1).

#### Cockpit Installation

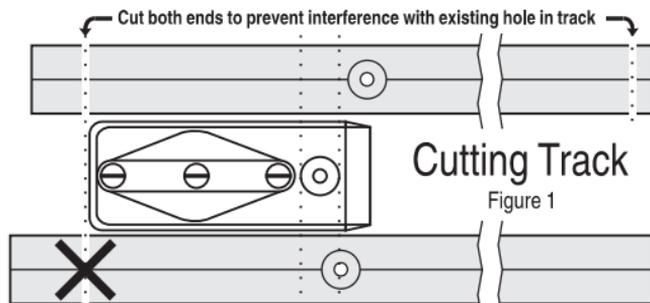
To determine correct track length, make sure track ends, without trim caps, are  $\frac{3}{4}$ " (19 mm) from edge of cockpit coaming. This prevents pivoting cam arms from hitting cockpit coaming and allows water to pass (Figure 2).

#### Installing Control Block/Traveler Car

Slide control block onto track with bumper facing car.

#### Cockpit Installation

Keep control block loose so it can be moved when installing track. Add the traveler car and the second control block with the bumper facing toward the traveler car.



#### Mounting Track

Through-bolt using  $\frac{1}{4}$ " (6.5 mm) flathead screws for 1535, 1596, 1602, 1616, 1617; hexhead for 1511, 1610 and 1618.

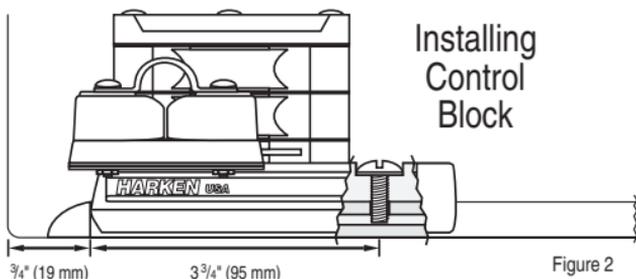


Figure 2

### Fastening Control Blocks

To install control blocks, use a  $\frac{5}{16}$ " (8 mm) diameter drill. Make a hole through **top surface** of track only at  $3\frac{3}{4}$ " (95 mm) from end of track (Figure 2). 1610 Track: be very careful to drill only through top surface.

**Tip:** to mark hole, position control block flush with end of track. Drive screw firmly against top surface of track, then loosen. Slide control block away and drill hole. Do not use screw hole in control block as drill guide.

Secure control block to track by tightening screw into hole. Use short screw for low beam, long screw for high-beam.

### Installing Trim Caps

Remove any burrs on edges of track. Press 1524, 1525, 1621, or 1622 trim caps in place.

### Maintenance

Harken equipment is designed for minimal maintenance, but some maintenance is required to give the best service and to comply with the Harken limited warranty.

In general, the most important aspect of maintenance is to keep your equipment clean by frequent flushing with fresh water.

In corrosive atmospheres, stainless parts may show discoloration around holes, rivets and screws. This is not serious and may be removed with a fine abrasive.

With the exception of winches, do not use grease unless specifically recommended in the instruction sheets.

Many Harken products are provided with specific instruction sheets that detail maintenance procedures. Instruction sheets are available at no charge by contacting Harken or a Harken distributor.

**Traveler Cars:** Keep traveler cars clean by frequently flushing with fresh water. Periodically clean cars by squirting a detergent/water solution into the car's center openings. Roll the car back and forth to distribute evenly and then flush bearings with fresh water. This maintenance is very important, particularly when the cars haven't been in use.

Do not use spray lubricants because ball bearings may skid instead of roll. If you use a light machine oil such as 3-in-1, use only a single drop in each ball race. Too much oil attracts dirt.

Clean track with detergent and water.

Frequently inspect shackles and control block fittings for signs of fatigue. Be sure that every installation includes Harken track end stops and arrange control tackles so that cars don't hit the endstops under load, but are stopped by the line.

### Warranty

See Harken catalog for full maintenance and warranty information.