

# HARKEN®

## INSTALLATION SHEET

### Flat Plate Couplers

**1614 – 1624, 1625, 1640, 1641 Mid-Range Traveler Cars**

**1770 – 3160, 3163, 3164 Big Boat Traveler Cars**

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The 1614/1770 Flat Plate Couplers make connecting two traveler cars clean and low profile. It is ideal for double-ended mainsheet systems where two blocks on the cars are required. It is also ideal for self-tacking jib systems.

Because of the high loads developed with these mainsheet and jib systems, it is important to **use all six holes to achieve full strength.**

Note: The outboard holes are elongated to accommodate curved track.

### Installing the Flat Coupler

1. Remove the two control block fasteners and the plastic set screws from the inboard end of both cars.
2. Screw the coupler plate loosely to both cars using three fasteners per side. Be sure to use Loctite on the threads.
3. Tighten the center fasteners and align the cars.
4. Tighten the 4 remaining fasteners.

Part No.	Includes Fasteners
1614	2 – M6 x 1 x 12 mm Pan Head Machine Screws
1770*	2 – M8 x 1.25 x 20 mm Round Head Machine Screws 4 – M6 x 1 x 20 mm Round Head Machine Screws

\*Includes one (1)  $\frac{5}{32}$ " (4 mm) hex wrench and one (1)  $\frac{3}{16}$ " hex wrench.

## 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 frequently flushing with freshwater.

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.

**Important! Exposure to some teak cleaners and other caustic solutions can result in discoloration of part and is not covered under the Harken warranty.**

## Warranty

For additional safety, maintenance and warranty information see [www.harken.com/manuals](http://www.harken.com/manuals) or the Harken® catalog.