

# **HARKEN®**

## **INSTALLATION SHEET**

### **1892 4:1 Dodger Block Conversion Kit**

Fits: 563/564/565/566/682/683

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### **Retrofitting Instructions See Exploded View (Over)**

If possible, remove the entire end control assembly from the track by removing the screw on the inboard side of the base.

**There are many small parts that are easily lost; the balls are not self-contained. Hold the assembly over a shoebox while working!**

1. Loosen the three screws in the sheave assembly, taking care to hold the assembly together. Carefully remove the sheave assembly.
2. Hold the assembly over the shoebox and carefully rotate the assembly so it is upside down.

### **566 Double Sheave Assembly**

Remove one stainless steel plate and one sheave with balls.

### **564/565 Double Sheave Assembly with Cam Cleat**

Remove spacers, cam cleat swivel plate, one sheave with balls.

3. While holding the assembly level over the box, remove the screws and carefully slip the centerpost out and replace with the one supplied.
4. If the balls drop, go to instructions for complete assembly (over).
5. Replace the screws with the shorter ones and put a couple of drops of blue Loctite® on the screws. Carefully place the assembly on the base and secure.

Note: make sure the sheave end of the dodger block is facing toward the inside. **Do not over-tighten center screw.** Tighten until the sheave just begins to bind and then loosen slightly.

## Existing Parts

## Kit Parts

Plastic top plate

Stainless steel top plate

12 Balls

Sheave

2 Spacers

12 Balls

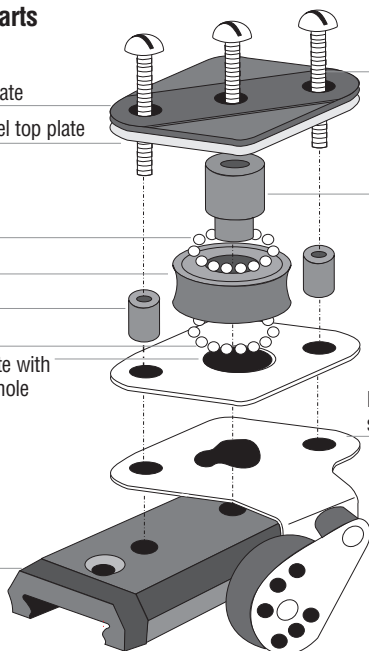
Stainless plate with large center hole

Base with bumper

3 round head screws

Centerpost

Dodger block on plate, starboard-side shown



## Instructions for Complete Assembly

1. Place the three new screws through the plastic top and stainless top plate and set aside.
2. Hold the new center post in the sheave with the boss facing down and load 12 balls in the top.
3. Slip this sheave assembly up onto the center screw and carefully rotate this assembly so it is upside down in the palm of your hand.
4. Load 12 balls, two spacers and place the top plate and the dodger block plate over the screws. The dodger block sheave will be facing away from the other sheave.
5. Carefully rotate the assembly to the upright position, put blue Loctite on the ends of the screws and install.

**Do not over-tighten center screw.** Tighten until the sheave just begins to bind and then loosen slightly.

### Maintenance

**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. Make sure every installation includes Harken track end stops. Arrange control tackle so cars do not hit end stops under load.

### Warranty

See Harken catalog for full maintenance and warranty information.