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

It is important to keep 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.

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

For additional safety, maintenance and warranty information see www.harken.com/manuals or the Harken® catalog.

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Delrin® is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.
Disassemble Cam

- Remove cam from deck.
- Take off red plastic baseplate. Carefully work one end up and then other.
- Remove torsion springs.
- Carefully put small bolt though fastener holes to remove red plastic cam caps.
- Lift cam off base, remove balls.
- Lift off red plastic washer.
- Remove remaining balls.

Replace Parts/Clean

- Replace plastic parts, balls and springs as needed.
- Wash parts using soap and hot water.

Tip: When replacing balls use shaving cream or liquid detergent to keep balls in place on race.

- Put 11 balls in lower race.
- Put on red plastic washer, lip up.

Tip: Use two springs on each side to stiffen cam action or to act as a backup if first spring breaks.

- Push on red plastic baseplate. Plate is not symmetrical. Make sure to orient it correctly.
- Flush shaving cream SOAP away using fresh water.
- Install cam on boat. Do not over-tighten mounting screws; pawls will bind.
Disassemble Cam

- Remove cam from deck.
- Take off red plastic baseplate. Carefully work one end up and then other.
- Remove torsion springs.
- Carefully put small bolt though fastener holes to remove red plastic cam caps.
- Lift cam off base, remove balls.
- Lift off red plastic washer.
- Remove remaining balls.

Replace Parts/Clean

- Replace plastic parts, balls and springs as needed.
- Wash parts using soap and hot water.

Tip: When replacing balls use shaving cream or liquid detergent to keep balls in place on race.

- Put 11 balls in lower race.
- Put on red plastic washer, lip up.

Reassemble Cam

- Put 11 Delrin® balls in next race.
- Put on red plastic washer so lip is up.

- Put 11 balls in next race.
- Replace aluminum pawl. Make sure it seats on balls.
- Fill cam top with 11 balls.
- Push in red plastic cam cap.
- Repeat on other cam as above.
- Turn cam over. Replace torsion springs. Hook each end of spring around posts.

Tip: Use two springs on each side to stiffen cam action or to act as a backup if first spring breaks.

- Push on red plastic baseplate. Plate is not symmetrical. Make sure to orient it correctly.
- Flush shaving cream/soap away using fresh water.
- Install cam on boat. Do not over-tighten mounting screws; pawls will bind.
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Important: Exposure to some teak cleaners and other caustic solutions can result in discoloration of part and is not covered under the Harken warranty.

Maintenance

Warranty

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Additional information:
www.harken.com/manuals

Video Demonstration

You can watch a video demonstration of rebuilding a cam at: http://www.harken.com/Cam-Matic_Rebuild_Video/

Click on “Rebuild your 150 Cam Cleat” to play.

Replacement Parts in Kit:

<table>
<thead>
<tr>
<th>Qty</th>
<th>Description</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Cam Cap</td>
<td>2</td>
<td>Torsion Spring</td>
</tr>
<tr>
<td>66</td>
<td>Delrin® Balls</td>
<td>1</td>
<td>Cam Base</td>
</tr>
<tr>
<td>2</td>
<td>Washer</td>
<td></td>
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</tr>
</tbody>
</table>

This baseplate does not fit cams built before 1993.

Cam-Matic® Cam Cleat Not Included

Accessories You Can Purchase for the 150 Cam-Matic®

- 145: Yellow, Blue, Red, Green, Black
- 295
- 296
- 137
- 298
- 375