

# Maintenance

Harken® equipment is designed for minimal maintenance. However, some upkeep is required to give the best service and comply with the Harken® limited warranty. Harken installation manuals are available at no charge online at [www.harken.com](http://www.harken.com), or by contacting a Harken® dealer.

**Always flush frequently with fresh water and periodically inspect all products for damage.**

**Do not let deck hardware come in contact with leak cleaner or other caustic solutions as this causes discoloration and damage to the finish.**

Product	General Information	Inspection	Cleaning	Lubrication	Fasteners
<b>Small Boat and Midrange Block</b>	Tape cotter rings to prevent snagging. Do not leave heavy loads on blocks when not in use as this may slightly deform the bearings. Normally bearings will return to their proper shape after rotation, but an initial resistance to rolling may be felt.	<b>1</b>	<b>4</b> <b>5</b>		<b>11</b>
<b>Big Boat Blocks</b>	Big Boat bearings are resistant to deformation, but we recommend releasing heavy loads on any hardware when not in use.	<b>1</b>	<b>4</b> Black Magic® Airblocks® disassembled, solution on rollers		<b>12</b>
<b>Cams</b>			<b>4</b> Apply to bearings		<b>11</b> On cam screws
<b>Travelers and Battcars</b>		<b>1</b>	<b>4</b> Apply to bearings	<b>7</b> On balls <b>8</b> Slider cars only	<b>11</b> On bolts <b>13</b>
<b>Furling</b>	Refer to the owner's manual for detailed maintenance instructions.	<b>2</b>	<b>4</b> Apply to bearings		<b>11</b> On Cruising foil clamp screws <b>14</b> On foil screws Cruising <b>15</b> On foil screws MKIV
<b>Winches</b>	Refer to the owner's manual for detailed maintenance instructions. Overapplication of grease can cause salt and water deposits to become trapped in the winch. Clear drain ports of sealants or grease. Lubricate pawls with Harken Pawl Oil. Do not grease pawls.	<b>3</b>	<b>4</b> Plastic parts <b>4</b> Winch top <b>6</b> Metal parts	<b>9</b> On gears <b>10</b> On pawl	<b>12</b> On socket bolt <b>13</b>
<b>1</b>	<b>Inspect frequently:</b> shackles and shackle posts for signs of corrosion, cracks, or elongation. <b>Inspect:</b> lashings and loops for UV damage, wear, or chafe. When replacing loops, lashings, or shackles use Harken parts to maintain the proper strength.				
<b>2</b>	<b>Inspect frequently:</b> wire terminals, turnbuckle components, toggles, shackles, clevis and cotter pins below and inside drum assembly for signs of loosening, corrosion, or cracks.				
<b>3</b>	<b>Check for wear and corrosion:</b> Check pawls and springs, bearings, gears, and spindles.				
<b>4</b>	<b>Clean:</b> Keep your equipment clean and free-running by frequently flushing with fresh water. Periodically clean with mild detergent and water solution. Spin sheaves, rotate cams, and roll cars back and forth to distribute soap solution evenly.				
<b>5</b>	<b>Clean:</b> with Scotch Brite™ pad on Classic block sideplate and stainless steel strap.				
<b>6</b>	<b>Degrease:</b> Remove grease with de-greaser. Harken recommends environmentally friendly citrus degreasers.				
<b>7</b>	<b>Condition:</b> Use only a single drop of McLube OneDrop™ ball bearing conditioner. Too much oil attracts dirt.				
<b>8</b>	<b>Lubricate:</b> Dry lubricants such as McLube™ Sailkote, dry Teflon®, and dry silicon sprays which will not attract dirt may be used on slider cars.				
<b>9</b>	<b>Grease lightly:</b> with Harken winch grease.				
<b>10</b>	<b>Lubricate:</b> winch pawls with a drop of Harken Pawl Oil. Do not grease winch pawls.				
<b>11</b>	<b>Adhesive:</b> Blue Loctite®. Temporary adhesive. Can be removed without heating.				
<b>12</b>	<b>Anti-seize:</b> Coat stainless fasteners that pass through aluminum blocks with an anti-seize compound such as Tef-Gel®.				
<b>13</b>	<b>Replace:</b> nylock nuts after the third removal.				
<b>14</b>	<b>Adhesive:</b> Red Loctite®. Semi-permanent adhesive can be removed with heat. Electric heat gun will not raise temperature enough to break adhesive seal.				
<b>15</b>	<b>Adhesive:</b> 5200. Semi permanent adhesive. Electric heat gun will not raise temperature enough to break adhesive seal.				