

# Quick Service

## WINCHES



### SERVICE AT REGULAR INTERVALS

Keep your winches clean and operating smoothly by flushing frequently with fresh water. Service your winches at least once during the preseason. Twice a season is best if your boat lives in salt water. If you race your boat hard, you may want to maintain your winches before every regatta.

#### Service required immediately if:

**Ratcheting seems sluggish or sticky:** Pawls may have been greased instead of oiled. Clean any grease off and then oil the pawls.

**Winch doesn't turn freely:** Refer to winch manual and clean, grease, and oil winch. Check for damaged springs, pawls, or bearings to make sure nothing else is wrong.

**Winch can be turned in both directions:** Problem with the pawls. May be stuck in grease or damaged.



#### Inspect Carefully for:

- Signs of damage, wear or corrosion on pawls and springs, bearings, gears, and spindles. Replace immediately.
- Loose or missing deck mounting fasteners.

See manuals online for specific information at [www.harken.com/manuals](http://www.harken.com/manuals).

## Q&A

### Which parts do I grease and which do I oil on my Harken® winches?

Grease all metal gears and roller bearings with Harken Winch Grease. It's highly resistant to salt and fresh water, works in all temperatures, and protects against corrosion. NEVER grease pawls or springs because grease causes them to stick. Instead, lubricate with Harken Pawl Oil for optimal rotation. Radial® winches and carbon winches have composite roller bearings that do not need to be lubricated.

## ORDERING REPLACEMENT COMPONENTS

Use the Identification Chart on back or the Radial® serial number to identify your winch, then use the exploded view charts in the online manuals to find component part numbers.

Installation manuals and parts lists are available online at [www.harken.com/manuals](http://www.harken.com/manuals).

## MAINTENANCE SERVICE KITS



### Service Kits and Lubricants

| Part No. | Description                    | Includes  | Use for                               |
|----------|--------------------------------|---|---------------------------------------|
| BK4512   | Winch service kit              | 10 pawls/10 springs   | Classic B6 - B980, All Radial winches |
| BK4513   | Winch grease                   | 100 ml tube   | All gears and metal roller bearings   |
| BK4515   | Racing winch service kit/10 mm | 10 17-4 PH pawls/10 springs                                   | B880 - B1120                          |
| BK4516   | Racing winch service kit/8 mm  | 10 17-4 PH pawls/10 springs                                   | B50 - B65                             |
| BK4517   | Lock-in handle repair kit      | Lock-in knob/spring pin/lock-in spring/isolator/lock-in plate | All handles                           |
| BK4518   | Winch drum screw kit           | 8 screws 8 mm x 20 mm/8 plastic washers                       | B48 - B980                            |
| BK4519   | Winch drum screw kit           | 8 screws 8 mm x 20 mm/8 plastic washers                       | B16 - B46                             |
| BK4521   | Pawl Oil for pawls and springs | 50 ml bottle  | All pawls and springs                 |

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### FAMILY/MODEL IDENTIFICATION

Use to identify your winch, then use the exploded view charts in the online manuals to find component part numbers: [www.harken.com/manuals](http://www.harken.com/manuals).

| Family/Model   | Sizes (marked on top of winch)  | Styles (noted after number of speeds in part number)   | Materials (noted after style in part number)  | Identifying features  |
|--|---|--|---|---|
| <br>Radial®                   | 20, 35, 40, 46, 50, 60, 70, 80   | PT: Plain-top (aluminum only) <br>ST: Self-tailing   | A: Aluminum;<br>C: Chromed bronze<br>CW: Chromed bronze, white top/skirt                | Slanted grooves in drum <br>Integrated stripper arm   |
| <br>Performa™                 | PT: 20, 35, 40, 46, 50<br>ST: 20, 35, 40, 46, 50, 60, 70, 80   | PT: Plain-top <br>ST: Self-tailing                   | P: Performa aluminum  | Slanted grooves in drum <br>Integrated stripper arm   |
| <br>UniPower™ Radial®        | 900 (pulling load in kg)  | Self-tailing only (no letter code)    | A: Aluminum;<br>C: Chromed bronze<br>CW: Chromed bronze, white top/skirt                | Small cylindrical motor extending 105 mm from beneath base    |
| <br>Rewind™ Radial®         | 40, 46, 60  | Self-tailing only (no letter code)   | A: Aluminum;<br>C: Chromed bronze<br>CW: Chromed bronze, white top/skirt                | Patented design feeds sheet into & out of self-tailer <br>Red knob on drum for toggling Rewind and 2-speed modes  |
| <br>Classic (1999 - 2009)   | PT: 6, 8, 16, 32, 40, 42, 48;<br>ST: 16, 32, 40, 44, 46, 48, 53, 60, 70, 74    | Plain-top (no letter code) <br>ST: Self-tailing  | A: Aluminum;<br>C/CCS/CCC: Chromed bronze; B/BBB: Polished bronze; SSS: Stainless steel | Sandblasted or knurled drums. 1 piece stripper arm with NO roller in line guide.   |
| <br>Classic (1992 - 1999)   | PT: 6, 8, 16, 32, 40, 42, 48;<br>ST: 16, 32, 40, 44, 46, 48, 53, 60, 70, 74   | Plain-top (no letter code),<br>ST: Self-tailing  | A: Aluminum;<br>C: Chromed bronze;<br>B: Polished bronze                                | Self-tailers have ball bearing roller in the line guide.   |
| <br>Racing/<br>Carbon Fiber | STR: 50, 500, 55, 65, 650, 880, 990, 1111, 1125, 1130, 1135, 1145;<br>TCR: 480, 500, 55, 55, 65, 650, 990, 1130, 1135, 1145  | STR: Self-tailing <br>TCR: Top-cleating          | R: All aluminum or aluminum with carbon fiber skirt/top                                 | Self-tailing has black carbon or black aluminum stripper arm. Only winches with top cleat option.   |

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### FASTENERS

| Radial® Plain-Top    |      |    |     | Radial® Self-Tailing |      |     |     | Performa™ Plain-Top  |      |    |     | Performa™ Self-Tailing |      |     |     | Classic Plain-Top |      |    |     | Classic Self-Tailing |      |     |     |
|----------------------|------|----|-----|----------------------|------|-----|-----|----------------------|------|----|-----|------------------------|------|-----|-----|-------------------|------|----|-----|----------------------|------|-----|-----|
| Fasteners (SH or HH) |      |    |     | Fasteners (SH or HH) |      |     |     | Fasteners (SH or HH) |      |    |     | Fasteners (SH or HH)   |      |     |     | Fasteners (FH)    |      |    |     | Fasteners (FH)       |      |     |     |
| Size                 | in   | mm | Qty | Size                 | in   | mm  | Qty | Size                 | in   | mm | Qty | Size                   | in   | mm  | Qty | Size              | in   | mm | Qty | Size                 | in   | mm  | Qty |
| 20.2PT               | 1/4* | M6 | 5   | 20ST                 | 1/4* | M6  | 5   | 20.2PT               | 1/4* | M6 | 5   | 20ST                   | 1/4* | M6  | 5   | B6                | 1/4  | M6 | 6   | B16ST                | 1/4  | M6  | 5   |
| 35.2PT               | 1/4* | M6 | 5   | 35.2ST               | 1/4* | M6  | 5   | 35.2PT               | 1/4* | M6 | 5   | 35.2ST                 | 1/4* | M6  | 5   | B8                | 5/16 | M8 | 4   | B32.2ST              | 1/4  | M6  | 5   |
| 40.2PT               | 1/4* | M6 | 5   | 40.2ST               | 1/4* | M6  | 5   | 40.2PT               | 1/4* | M6 | 5   | 40.2ST                 | 1/4* | M6  | 5   | B16.2             | 1/4  | M6 | 5   | B40.2ST              | 1/4  | M6  | 5   |
| 46.2PT               | 5/16 | M8 | 5   | 46.2ST               | 5/16 | M8  | 5   | 46.2PT               | 5/16 | M8 | 5   | 46.2ST                 | 5/16 | M8  | 5   | B32.2             | 1/4  | M6 | 5   | B44.2ST              | 5/16 | M8  | 5   |
| 50.2PT               | 5/16 | M8 | 5   | 50.2ST               | 5/16 | M8  | 5   | 50.2PT               | 5/16 | M8 | 5   | 50.2ST                 | 5/16 | M8  | 5   | B40.2             | 1/4  | M6 | 5   | B46.2ST              | 5/16 | M8  | 5   |
|                      |      |    |     | 60.2ST               | 5/16 | M8  | 6   |                      |      |    |     | 60.2ST                 | 5/16 | M8  | 6   |                   |      |    |     | B48.2ST              | 5/16 | M8  | 6   |
|                      |      |    |     | 70ST                 | 5/16 | M8  | 6   |                      |      |    |     | 70ST                   | 5/16 | M8  | 6   |                   |      |    |     | B53.2ST              | 5/16 | M8  | 6   |
|                      |      |    |     | 80ST                 | 3/8  | M10 | 8   |                      |      |    |     | 80ST                   | 3/8  | M10 | 8   |                   |      |    |     | B60ST                | 5/16 | M8  | 6   |
|                      |      |    |     |                      |      |     |     |                      |      |    |     |                        |      |     |     |                   |      |    |     | B70ST                | 3/8  | M10 | 5   |
|                      |      |    |     |                      |      |     |     |                      |      |    |     |                        |      |     |     |                   |      |    |     | B74ST                | 3/8  | M10 | 6   |

\*SH only