Two Speed Self-Tailing Winch

40.2st

HARKEN

Winch Parts and Service Instructions

Tools Required

- Screwdriver
- Allen Wrench (5mm)
- Plastic Head Hammer or Mallet
- Small Knife
- Brush
- Rags
- Solvent
- Oil
- Grease

Parts List

- 008 Pawl
- 038 Pawl Spring
- 3502 Bearing Spacer
- 6017 Screw
- 6040 Screw
- 6106 Ball (32 required)
- 6143 Top Screw
- 6428 Screw
- 26610 Roller Shaft
- 26731 Roller
- 26889 Cover Plate
- 26915 Guide Arm
- 27219 Ratchet Gear
- 27222 Gear Shaft
- 27534 Center Stem
- 27535 Spindle
- 27536 Ratchet Gear
- 27537 Gear
- 27538 Gear
- 27560 Pawl Gear
- 27791 Plastic Washer
- 27908 Washer
- 27909 Cover Plate
- 28168 Red Line Ring
- 31759 Handle Socket
- 32534 Top Cap
- 33759 Adjustment Spacer
- 33951 Chrome Stripper Arm
- 33952 Line Peeler
- 34033 Upper Jaw
- 34689 Plastic Washer
- 35309 Bronze Stripper Arm
- 703192 Bearing
- 726073 Bearing
- 933351 Chrome Stripper Arm Assembly
- 934042 Aluminum Drum
- 934043 Chrome Drum
- 935306 Bronze Drum

Suggested Service Kits

- BK4512 10 Pawls 008
- 10 Springs 038
- BK4513 100ml Grease

When ordering parts for service, please include a 'B' before each number (i.e. 008B).
Recommended Service Cycle – Service winch before the sailing season and once during.

- **Adjusting Self-Tailer**
  Self-tailing winches must be adjusted for line size to ensure proper operation. If the line slips in the jaws, remove the adjustment spacer 33759 from under the upper jaw 34033. If the winch self-tails properly with the washer in place, do not remove it. The efficiency of the winch will be compromised when using larger lines.

- **Positioning Stripper Arm**
  Loosen top screw
  Remove handle socket
  Lift stripper arm and drum; position as desired

- **Opening Winch**
  Remove top screw
  Lift off drum and stripper arm

- **Servicing Winch**
  Remove pawls and springs - service as below
  Remove bearing, gear shaft and gears
  To reach interior shaft bearing, winch must be removed from deck
  Clean all parts with rags and solvent
  Use a brush to lubricate all moving parts lightly with grease
  Replace pawls and springs and lubricate lightly with oil
  Reassemble and close winch

- **Servicing Pawls**
  Catch spring with knife and hold against pawl
  Lift out pawl
  Clean and check for wear
  Place spring against pawl with straight leg against pawl
  Hold spring closed and slip pawl into pawl socket
  Lubricate pawls using oil

- **Fitting on Boat**
  Make sure mounting surface is flat
  Check sheet entry angle
  Open winch
  Position winch on deck with drive gear where sheet enters winch drum and mark holes
  Remove winch and drill holes
  Mount using five 1/4" (6mm) flat head machine screws
  Apply bedding compound and bolt winch to boat
  Clean excess bedding compound from base drain holes
  Lubricate and reassemble winch