Three Speed Self-Tailing Winch
Winch Parts • Installation • Service

- Parts List

008  Pawl
038  Pawl Spring
1709  Plastic Washer
1738  Spring
5530  Pawl Gear
5533  Pawl Gear
5535  Double Gear
5538  Gear
5543  Washer
5544  Bearing Spacer
5547  Gear Shaft
5548  Gear Shaft
5871  Spring
6009  Screw
6052  Cover Plate Screw
6141  Ball
6143  Top Screw
6213  Washer
6337  Ball
6391  Screw
6666  Screw
26029  Plastic Washer
26039  Upper Drive Ring
26044  Bushing
26049  Handle Socket
26682  Spindle Gear
27589  Thrust Bearing
27668  Stripper Arm Support
27669  Thrust Washer
28660  Ratchet Gear
28664  Gear Cover Plate
28683  Ratchet Gear
28685  Gear Base
28686  Ratchet Gear
30127  Bushing
30128  Plastic Bushing
32548  Top Cap
32713  First Speed Drive Shaft
32714  Center Spindle
35422  Ring
37751  Spring
37764  Lower Drive Ring
37781  Guide Bushing
37855  Upper Jaw
37856  Lower Jaw
37857  Spring Support
37858  Stripper Arm
37859  Cover
38628  Center Stem
38639  Gear Shaft
38640  Stop Plate
38652  Bearing Spacer
38655  Red Line Ring
701888  Bearing
703192  Bearing
720600  Bearing
720604  Bearing
726664  Bearing
938629  Aluminum Drum
938635  Chrome Drum
938685  Base

When ordering parts for service, please include a “B” before each number (i.e. B008)
Service winch before the sailing season begins and once during.

### Required Tools
- Screwdriver
- Allen Wrench (6 mm)
- Allen Wrench (5 mm)
- Plastic Head Hammer or Mallet
- Small Knife
- Brush

### Installing Winch
Make sure mounting surface is flat.
- Check sheet entry angle. Should be at least 8° (see drawing).
- Open winch.
- Position winch on deck with drive gear where sheet enters winch drum. Mark holes.
- Remove winch and drill holes.
- Mount using six (6) ½” (10 mm) flathead machine screws.
- Apply bedding compound. Bolt winch to boat.
- Clean excess bedding compound from base drain holes.
- Lubricate and close winch.

### Minimum/Maximum Line Diameter
Harken winches feature spring-loaded self-tailing jaws which adjust automatically to the following line sizes:
- Minimum 3/8” (10 mm)
- Maximum 13/16” (21 mm)

### Positioning Stripper Arm
Loosen top screw (6143).
- Remove handle socket (26649).
- Lift stripper arm (37858) and position as desired.

### Opening Winch
Remove top screw (6143).
- Remove handle socket (26649).
- Remove 3 screws (6391) in stripper arm (37858).
- Remove stripper arm (37858).
- Remove 4 screws (6009) in stripper arm base (27668).
- Lift support base.
- Lift off drum.

### Servicing Winch
Remove bearings from center stem.
- Drum support bearing 27588/6337/27879 cannot be removed; clean with solvent and lubricate lightly with grease.
- Remove allen screws (6432) holding center stem to base.
- Remove center stem (38628) carefully.
- Remove pawls and springs - service as below.
- Remove all bearings, gear shafts and gears.
- **Service one gear shaft assembly at a time to avoid confusion.**
- Inspect plastic bushings for wear.
- Remove all pawls and springs and service (see below).
- Use brush to lubricate all gears, gear shafts, bearings, teeth and all moving parts lightly with grease.
- Replace pawls and springs and lubricate lightly with oil.
- Assemble 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.

### Servicing Kits
- BK4512 10 008 Pawls
- BK4513 10 038 Springs
- BK4515 100 ml Grease

### Suggested Service Kits
- BK4512 10 008 Pawls
- BK4513 10 038 Springs
- BK4515 100 ml Grease