Two Speed Self-Tailing Winch

Winch Parts Installation Service

- Parts List

  - 008  Pawl
  - 038  Pawl Spring
  - 1709 Plastic Washer
  - 1738 Spring
  - 5543 Washer
  - 5544 Spacer
  - 5547 Gear Shaft
  - 5548 Gear Shaft
  - 5575 Pawl Gear
  - 5576 Pawl Gear
  - 5584 Bushing
  - 6009 Screw
  - 6143 Top Screw
  - 6307 Stainless Steel Ball
  - 6391 Screw
  - 6432 Screw
  - 6666 Screw
  - 26029 Plastic Washer
  - 26044 Bushing
  - 26046 Spacer
  - 26048 Split Washer
  - 26442 Spindle
  - 26648 Handle Socket
  - 27588 Thrust Bearing
  - 27668 Stripper Arm Base
  - 27879 Thrust Washer
  - 27950 Pawl Gear
  - 28089 Ratchet Gear
  - 28655 Washer
  - 28656 Bushing
  - 28657 Washer
  - 30128 Bushing
  - 31159 Ratchet Gear
  - 31161 Ratchet Gear
  - 32541 Top Cap
  - 37848 Springs Support
  - 37849 Cover
  - 37851 Upper Jaw
  - 37852 Lower Jaw
  - 37853 Stripper Arm
  - 38650 Center Stem
  - 38655 Red Ring
  - 7011888 Bearing
  - 7011888 Bearing
  - 726664 Bearing
  - 938644 Aluminum Drum
  - 938646 Chrome Drum
  - 938683 Base

When ordering parts, please include a "B" before each number (i.e. B008)
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 (5) 3/8" (5 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 5/16" (8 mm)
- Maximum 3/4" (18 mm)

Positioning Stripper Arm

- Loosen top screw (6143).
- Remove handle socket (26648).
- Lift stripper arm (37853) and position as desired.

Opening Winch

- Remove top screw (6143).
- Remove handle socket (26648).
- Remove 3 screws (6391) in stripper arm (37853).
- Remove stripper arm (37853).
- 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 all screws (6432) holding center stem to base.
- Remove center stem (38650) 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.

Required Tools

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

Suggested Service Kits

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

Servicing Pawls

- Use knife to free captive spring. Insert spring with straight leg against pawl. Use oil for lubrication.

Servicing Winch

- Use a brush to spread a light, even coat of grease.
- If ratchet gear is mounted backwards, winch will slip.

Service winch before the sailing season begins and once during.

HARKEN

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