Electric/Hydraulic Two-Speed Self-Tailing Winch

Required Tools
- Screwdriver
- Plastic Head Hammer or Mallet
- Small Knife
- Brush
- Hags
- Solvent
- Oil
- Grease

Parts List
- 008  Pawl
- 038  Pawl Spring
- 1738  Spring
- 5320  Pawl gear
- 5335  Gear
- 5344  Spacer
- 5345  Gear shaft
- 5353  Bushing
- 6009  Screw
- 6150  Base Ring
- 6210  Screw
- 6237  Stainless Steel Ball
- 6335  Screw
- 6362  Screw
- 6480  Washer
- 6633  Seal
- 6664  Screw
- 6685  Screw
- 6699  Plastic Washer
- 26044  Bushing
- 26048  Split Washer
- 26050  Washer
- 26052  Bushing
- 27038  Thrust Bearing
- 27085  Stripper Arm Support
- 27086  Thrust Washer
- 28033  Ratchet gear
- 28035  Bushing
- 28038  Ratchet gear
- 28066  Plastic Bushing
- 30126  Plastic bushing
- 32253  Washer
- 32254  Bushing
- 32254  Top Cap
- 32563  Plastic Washer
- 37853  Center Spindle
- 37855  Upper Jaw ST
- 37857  Spring Support
- 37858  Stripper Arm
- 37859  Cover
- 38626  Center Shaft
- 38627  Spacer
- 38628  Red Line Ring
- 44725  Logo Support
- 720073  Bearing
- 727209  Bearing
- 727891  Bearing
- 762243  Bearing
- 926591  Disconnect Rod Assy
- 937856  Lever Jaw ST
- 938138  Mounting Plate
- 938629  Aluminum Drum
- 938684  Chrome drum
- 938684  Base

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

When ordering parts, please include a "B" before each number (i.e. B008).
1 Remove Disconnect Rot and Handle Socket
Loosen disconnect rod using flethead screw driver as shown below
Remove Disconnect Rod and handle socket.

2 Remove Stripper Arm and name Ring
Loosen the three (3) allen screws
Remove stripper arm
Remove Name Ring and black cover ring.

3 Remove Drum Assembly
Loosen the four (4) allen screws inside the stripper arm support
Remove stripper arm support
Carefully lift off drum assembly, main bearings may remain inside drum due to oil and grease.

4 Remove Housing
Loosen the six (6) allen screws holding the housing to the aluminium base
Lift off housing.

5 Remove Mounting Plate from Motor/Gearbox Ass’y
Loosen the four (4) allen screws
Lift off mounting plate

6 Drive Position
Place winch base on mounting plate, making sure fastener holes re corresponding
Mark drive position.
7 Determine Winch Location
Make sure there is clearance for Motor and Reduction Gearbox. Drill an 127 mm hole through the deck.

8 Position Drive Gear/Secure Mounting Base
Make sure Mounting Base sits flat on deck. Position so Drive Gear aligns to sheet load (see Step 13). Mark the six (6) mounting holes, drill deck. Use bedding compound/sealant to prevent leakage. Secure Mounting Base using five (5) 8 mm (B56) or 10 mm (B64 and up) countersunk screws.

9 Attach Motor/Gearbox Assembly to Mounting Base
Have another person below deck to position gearbox underneath winch.

10 Attach Winch
Tighten the six (6) bolts securing Winch to Mounting Base. Use blue Loctite® on threads. Use brush to lightly lubricate gear with grease.

11 Assemble Winch
Use steps 1 - 9 in reverse order to assemble winch.

12 IMPORTANT - Test Winch Operation
After winch is assembled, test operation in manual mode only, before sailing. Important - use a lock-in winch handle. Using a locking winch handle, check winch operation. Disconnect rod must disconnect gearbox when lock-in winch handle is inserted in Handle Socket.

Service winch before the sailing season begins and once during:

- **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** 1/2" (12 mm)

- **Positioning Stripper Arm**
  - Loosen top Screw.
  - Remove Handle Socket.
  - Lift Stripper Arm and 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.
  - Clean all parts except 37383 and 38598 with solvent.
  - Important: Use freshwater only on parts 37383 and 38598.
  - Use brush to lubricate 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 “straight leg” of Pawl Spring against Pawl.
  - Hold Spring closed and slip Pawl into Pawl Socket.
  - Lubricate Pawls using oil.
  - Insert Pawl Spring with straight leg against Pawl. Use oil for lubrication.
Fasten electric control box containing solenoids to bulkhead or wall.
Install remote circuit breaker between power supply and electric control box.
Locate pushbuttons in a convenient spot for easy winch operation.
Pushbutton wire size is #14.
Refer to wiring diagram for wire size and connection information.

**Parts List**

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