Two Speed Self-Tailing Winch

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

Parts List
- 008 Pawl
- 038 Pawl Spring
- 768 Thrust Washer
- 6009 Screw
- 6047 Screw
- 6143 Top Screw
- 6144 Screw
- 27791 Plastic Washer
- 27804 Base
- 27811 Pawl Gear
- 27812 Gear
- 27814 Pawl Gear
- 27815 Gear Shaft
- 27816 Gear Shaft
- 27817 Cover Plate
- 27828 Ratchet Gear
- 27841 Handle Socket
- 27906 Washer
- 28169 Red Line Ring
- 32536 Top Cap
- 36208 Springs Support
- 36210 Lower Jaw
- 36214 Chrome Stripper Arm
- 37676 Spindle
- 37678 Stripper Arm Support
- 37876 Center Stem
- 38597 Spring
- 38599 Upper Jaw
- 39131 Bronze Stripper Arm
- 701887 Bearing
- 726076 Bearing
- 938098 Aluminum Drum
- 938099 Chrome Drum
- 939132 Bronze Drum

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

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

- **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 five (5) 5/16" (8 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 9/16" (14 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.
  - To reach interior shaft bearing, winch must be removed from deck.
  - Clean all parts except 36208, 38599 and 36210 with rag and solvent.
  - **Important**: Use freshwater only on parts 36208, 38599 and 36210.
  - 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 spring against pawl with straight leg against pawl.
  - Hold spring closed and slip pawl into pawl socket.
  - Lubricate pawls using oil.