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
- 6040 Screw
- 6143 Top Screw
- 6428 Screw
- 6933 Screw
- 26899 Cover Plate
- 27006 Bearing Spacer
- 27222 Gear Shaft
- 27517 Spindle
- 27519 Gear
- 27520 Gear
- 27521 Gear
- 27522 Pawl Gear
- 27536 Ratchet Gear
- 27791 Plastic Washer
- 27908 Washer
- 27909 Cover Plate
- 28168 Red Line Ring
- 31759 Handle Socket
- 32533 Top Cap
- 37339 Upper Jaw
- 37383 Springs Support
- 37541 Chrome Stripper Arm
- 37674 Center Stem
- 38597 Spring
- 42151 Lower Jaw
- 703192 Bearing
- 726073 Bearing
- 942147 Aluminum Drum
- 942148 Chrome Drum
- 939124 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 the mounting surface is flat.
  - Check the 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) ¼" (6 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 ½" (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.
  - To reach interior shaft bearing, winch must be removed from deck.
  - Clean all parts except 37383 and 37339 with rag and solvent.
  - Important: Use freshwater only on parts 37383 and 37339.
  - 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.

- **Correct**
  - Use a brush to spread a light, even coat of grease.

- **Incorrect**
  - If ratchet gear is mounted backwards, winch will slip.

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