Two Speed Winch

**Required Tools**
- Screwdriver
- Allen Wrench (6 mm)
- Allen Wrench (5 mm for Self Tailing)
- Plastic Head Hammer or Mallet
- Small Knife
- Brush
- Rags
- Solvent
- Oil
- Grease

**Parts List**
- 008 Pawl
- 038 Pawl Spring
- 1709 Gear
- 5627 Gear
- 5676 Spindle
- 5680 Washer
- 5684 Gear Shaft
- 5685 Gear Shaft
- 6017 Screw
- 6143 Top Screw
- 6195 Delrin Ball
- 6337 Stainless Steel Ball
- 6351 Screw
- 6363 Screw
- 26021 Washer
- 26026 Handle Socket
- 26029 Plastic Washer
- 26078 Drum Crown
- 26080 Stem Cap
- 26129 Plastic Washer
- 27275 Ratchet Gear
- 27284 Washer
- 27587 Thrust Bearing
- 27881 Gear
- 27882 Pawl Gear
- 27911 Thrust Washer
- 27911 Cover Plate
- 28134 Bearing Spacer
- 28169 Red Line Ring
- 31867 Pawl Gear
- 31921 Gear
- 32526 Top Cap
- 33365 Center Stem
- 33366 Base
- 737890 Bearing
- 728072 Bearing
- 728218 Bearing
- 927885 Aluminum Drum
- 927887 Chrome Drum
- 930823 Bronze Drum

**Suggested Service Kits**
- BK4512 10 008 Pawls
- 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) 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 37335, 37336 and 37337 with rag and solvent.
- Important: Use freshwater only on parts 37335, 37336 and 37337.
- 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.

### Minimum/Maximum Line Diameter
- Position drive gear where sheet enters winch drum.
- Sheet entry angle must be at least 8°.
- Clean all parts, except 37335, 37336, and 37337, with solvent.
- If ratchet gear is mounted backwards, winch will slip.
- Use a brush to spread a light, even coat of grease.
- If ratchet gear is mounted backwards, winch will slip.
- Use a brush to spread a light, even coat of grease.
- Insert spring with straight leg against pawl. Use oil for lubrication.
- Use knife to free captive spring.

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