Two Speed/Three Speed Winch

Winch Parts
Installation
Service

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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
- 5690 Washer
- 5684 Gear Shaft
- 5685 Gear Shaft
- 6017 Screw
- 6143 Top Screw
- 6195 Delrin Ball
- 6337 Stainless Steel Ball
- 6351 Screw
- 6363 Screw
- 62021 Washer
- 26029 Handle Socket
- 26039 Plastic Washer
- 26040 Stem Cap
- 26129 Plastic Washer
- 26135 Ratchet Gear
- 27924 Washers
- 27927 Thrust Bearing
- 27981 Gear
- 27982 Pawl Gear
- 27983 Thrust Washer
- 27984 Over Plate
- 28134 Bearing Spacer
- 28169 Red Line Ring
- 31867 Red Line Ring
- 31921 Pawl Gear
- 31922 Gear
- 32526 Top Cap
- 33365 Center Stem
- 33665 Base
- 701888 Bearing
- 728218 Bearing
- 927885 Aluminum Drum
- 927887 Chrome Drum
- 930823 Bronze Drum

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

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 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.
- On three speed winches, lift off three speed mechanism with handle socket.
- On self-tailing winches, lift off stripper arm with drum.

**Servicing Winch**

- Remove bearings from center stem.
- Drum support bearing 27587/6337/27890 cannot be removed; clean with solvent and lubricate lightly with grease.
- Remove allen screws holding center stem to base.
- Remove pawls and springs - service as below.
- Remove all bearings, gear shafts and gears.
- Clean all parts except 37336, 37337 and 38600 with rag and solvent.
- Use brush to spread a light, even coat of grease.
- Use a 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.

When ordering parts for service, please include a "B" before each number (i.e. B008).