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

**Required Tools**
- Screwdriver
- Allen Wrench (6 mm)
- Allen Wrench (5 mm)
- Plastic Head Hammer or Mallet
- Small Knife
- Brush

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

**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 six (5) 3/8" (5 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 3/4" (18 mm)

**Positioning Stripper Arm**
- Loosen top screw (6143).
- Remove handle socket (26648).
- Lift stripper arm (37853) and position as desired.

**Opening Winch**
- Remove top screw (6143).
- Remove handle socket (26649).
- Remove 3 screws (6391) in stripper arm (37853).
- Remove stripper arm (37853).
- Remove 4 screws (6009) in stripper arm base (27668).
- Lift support base.
- Lift off drum.

**Servicing Winch**
- Remove bearings from center stem.
- Drum support bearing 27588/6337/27879 cannot be removed; clean with solvent and lubricate lightly with grease.
- Remove allen screws (6432) holding center stem to base.
- Remove center stem (38650) carefully.
- Remove all bearings, gear shafts and gears.
- Service one gear shaft assembly at a time to avoid confusion.
- Inspect plastic bushings for wear.
- Remove all pawls and springs and service as below.
- Use brush to lubricate all gears, 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.

**Correct**
- Use brush to spread a light, even coat of grease.
- Insert spring with straight leg against pawl. Use oil for lubrication.

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