**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 Plastic Washer
- 5627 Gear
- 5680 Washer
- 5684 Gear Shaft
- 5685 Gear Shaft
- 5725 Spindle
- 6068 Screw
- 6143 Top Screw
- 6195 Delrin Ball
- 6242 Screw
- 6337 Stainless Steel Ball
- 6363 Screw
- 26021 Washer
- 27274 Ratchet Gear
- 27284 Washer
- 27341 Bearing Spacer
- 27888 Thrust Bearing
- 27894 Thrust Washer
- 27881 Gear
- 27882 Pawl Gear
- 27911 Cover Plate
- 28134 Bearing Spacer
- 28170 Red Line Ring
- 31867 Pawl Gear
- 31868 Gear
- 33539 Top Cap
- 33367 Center Stem
- 33368 Base
- 37337 Springs Support
- 37338 Handle Socket
- 37860 Upper Jaw
- 37861 Lower Jaw
- 37862 Chrome Stripper Arm
- 37866 Stripper Arm Support
- 38597 Spring
- 39141 Bronze Stripper Arm
- 729072 Bearing
- 737892 Bearing
- 728218 Bearing
- 938113 Aluminum Drum
- 938114 Chrome Drum
- 939140 Bronze Drum

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

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.

- **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 bearings from center stem.
  - Drum support bearing 27588/6337/27879 cannot be removed; clean with solvent and lubricate lightly with grease.
  - Remove alien screws holding center stem to base.
  - Remove center stem carefully.
  - Remove pawls and springs - service as below.
  - Remove all bearings, gear shafts and gears.
  - Clean all parts except 37337, 37680 and 37681 with rag and solvent.
  - Important: Use freshwater only on parts 37337, 37680 and 37681.
  - Use 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.

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