Two Speed Self-Tailing 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 Plastic Washer
- 5627 Gear
- 5676 Spindle
- 5680 Washer
- 5684 Gear Shaft
- 5685 Gear Shaft
- 6142 Top Screw
- 6195 Delrin Ball
- 6242 Screw
- 6337 Stainless Steel Ball
- 0268 Screw
- 6363 Screw
- 26021 Washer
- 26020 Handle Socket
- 27686 Stem Cap
- 26129 Plastic Washer
- 27284 Nut Gear
- 27284 Thrust Bearing
- 27881 Gear
- 27890 Nut Gear
- 27911 Cover Plate
- 28134 Bearing Spacer
- 28169 Red Line Ring
- 31867 Pawl Gear
- 31867 Gear
- 32538 Top Cap
- 33365 Center Stem
- 33366 Base
- 34736 Lower Jaw
- 37337 Springs Support
- 37338 Handle Socket
- 37338 Chrome Stripper Arm
- 36937 Spring
- 38699 Upper Jaw
- 39136 Bronze Stripper Arm
- 39136 Bearing
- 728072 Bearing
- 39137 Bronze Drum
- 938108 Aluminum Drum
- 938109 Chrome Drum
- 939137 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) 1/4" (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 1/2" (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 striker 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.

Important: Use freshwater only on parts 37335, 37336 and 37337.

If ratchet gear is mounted backwards, winch will slip.

USA: 1251 E. Wisconsin Ave., Pewaukee, WI 53072 USA  •  Tel: (262) 691-3320  •  Fax: (262) 691-3008  •  Web: harken.com  •  E-mail: harken@harken.com
ITALY: Via Della Cerca, 12/14, 22070 Lurago Marinone, Como, Italy  •  Fax: (39) 031.3520031  •  Tel: (39) 031.3523511  •  Web: harken.it  •  E-mail: info@harken.it