53.2
Two Speed Winch

53.3 Three Speed Winch

Tools

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

Two Speed 53.2

Parts List
- 008 Pawl
- 038 Pawl Spring
- 1178 Stop Pin Spring
- 1709 Plastic Washer
- 5402 Stop Pin
- 5648 Lower Drive Ring
- 5721 Drum Crown
- 5871 Ball Spring
- 6036 Screw
- 6143 Top Screw
- 6195 Delrin Ball
- 6377 Stainless Steel Ball
- 6581 Screw
- 6633 Screw
- 6634 Screw
- 26029 Plastic Washer
- 26038 Handle Socket
- 26039 Upper Drive Ring
- 32553 Top Cap

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

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

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Winch Parts and Service Instructions

- **Adjusting Self-Tailer**
  - If lines slip in the self-tailer, be sure that there are four or five wraps on the drum, then consider closing the jaws by pressing down on the upper jaw and turning counterclockwise.
  - The 33667 shimming washer must be removed to use small line.
  - The winch is more efficient when the jaw opening matches line size, so close the jaws only if you are using smaller line.

- **Positioning Stripper Arm**
  - Loosen top screw
  - Lift and position

- **Opening Winch**
  - Remove top screw
  - Lift drum
  - On three speed winches, off top speed mechanism with handle socket
  - On self-tailing winches, lift off arm with drum

- **Servicing Winch**
  - Remove bearings from center stem
  - Drum support/drum 320/360/520/620 cannot be removed
  - Clean with solvent and lubricate lightly with grease
  - Remove allen screws holding center stem to base
  - Remove center stem carefully
  - Remove pulleys and springs - service as below
  - Clean all parts with solvent
  - Use a brush to lubricate all gears, gear shafts, teeth and all moving parts lightly with grease
  - Replace pulleys and springs and lubricate lightly with oil
  - Reassemble 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

- **Fitting on Boat**
  - Make sure mounting surface is flat
  - Check sheet entry angle
  - Open winch
  - Position winch on deck with drive gear where sheet enters
  - On three speed mechanisms
  - On self-tailing winches
  - Mount using six 5/16" (8mm) flat head machine screws
  - Apply bedding compound and bolt winch to boat
  - Clean excess bedding compound from base drain holes
  - Lubricate and reassemble winch

**Recommended Service Cycle**
- Service winch before the sailing season and once during.