Two Speed Self-Tailing Winch

Winch Parts and Service Instructions

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

**Parts List**

- 008 Pawl
- 038 Pawl Spring
- 6017 Screw
- 6040 Screw
- 6106 Ball (32 required)
- 6143 Top Screw
- 6428 Screw
- 26610 Roller Shaft
- 26731 Roller
- 26889 Cover Plate
- 26915 Guide Arm
- 27006 Bearing Plate
- 27222 Gear Shaft
- 27514 Center Stem
- 27517 Spindle
- 27518 Ratchet Gear
- 27519 Gear
- 27520 Gear
- 27521 Gear
- 27522 Pawl Gear
- 27791 Plastic Washer
- 27908 Washer
- 27909 Cover Plate
- 28168 Red Line Ring
- 31759 Handle Socket
- 32533 Top Cap
- 33759 Adjustment Spacer
- 33851 Chrome Stripper Arm
- 33852 Line Peeler
- 34033 Upper Jaw
- 34689 Plastic Washer
- 35309 Bronze Stripper Arm
- 703192 Bearing
- 726073 Bearing
- 933951 Chrome Stripper Arm Assembly
- 934039 Aluminum Drum
- 934040 Chrome Drum
- 935306 Bronze Drum

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

When ordering parts for service, please include a "B" before each number (i.e. B008).
**Recommended Service Cycle – Service winch before the sailing season and once during.**

**Adjusting Self-Tailer**

Self-tailing winches must be adjusted for line size to insure proper operation. If the line slips in the jaws, remove the adjustment spacer 33759 from under the upper jaw 34033. If the winch self-tails properly with the washer in place, do not remove it. The efficiency of the winch will be compromised when using larger lines.

**Positioning Stripper Arm**

- Loosen top screw
- Remove handle socket
- Lift stripper arm and drum; position as desired

**Opening Winch**

- Remove top screw
- Lift off drum and stripper 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 with rags and solvent
- Use a brush to lubricate all moving parts lightly with grease
- Replace pawls 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 where sheet enters
- winch drum and mark holes
- Remove winch and drill holes
- Mount using five 1/4” (6mm) flat head machine screws
- Apply bedding compound and bolt winch to boat
- Clean excess bedding compound from base drain holes
- Lubricate and reassemble winch

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**Adjustment**

- Remove or add adjustment spacer.

**Correct opening:** Sheet fits completely into jaw and rests against drum.

**Servicing Winch**

- Clean all parts with solvent

**Grease lightly and spread grease evenly. Use a brush.**

**Attention:** Ratchet gear mounted backwards will cause winch to slip.

**Servicing Pawls**

- Use knife to free captive spring.

**Insert spring with straight leg against pawl. Use oil for lubrication.**

**Fitting on Boat**

- Position drive gear where sheet enters winch drum.
- Sheet entry angle must be at least 8°.