Two Speed Winch

**Required Tools**
- Screwdriver
- Plastic Head Hammer or Mallet
- Small Knife
- Brush
- Rags
- Solvent
- Oil
- Grease

**Parts List**
- 008 Pawl
- 038 Pawl Spring
- 6143 Top Screw
- 27006 Bearing Spacer
- 27222 Gear Shaft
- 27560 Pawl Gear
- 27570 Center Stem
- 27571 Spindle
- 27574 Ratchet Gear
- 27791 Plastic Washer
- 27908 Washer
- 27909 Cover Plate
- 28168 Red Line Ring
- 30609 Ratchet Head
- 703192 Bearing
- 726073 Bearing
- 927566 Aluminum Drum
- 937776 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 and mark holes.
  - Remove winch and drill holes.
  - Mount using five (5) 1/4" (6 mm) flathead machine screws.
  - Apply bedding compound and bolt winch to boat.
  - Clean excess bedding compound from base drain holes.
  - Lubricate and close winch.

- **Opening Winch**
  - Remove top screw.
  - Lift off drum.

- **Servicing Winch**
  - Remove pawls and springs – service as below.
  - Remove bearings, 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 pawls.
  - Clean and check for wear.
  - Lubricate pawls using oil.
  - Place spring against pawl with straight leg against pawl.
  - Hold spring closed and slip pawl into pawl socket.

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[Service details and contact information are also listed at the bottom of the page.]