Two Speed Winch

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

Parts List
- 008 Pawl
- 038 Pawl Spring
- 768 Thrust Washer
- 5064 Plastic Washer
- 6143 Top Screw
- 6144 Screw
- 6428 Screw
- 6431 Screw
- 27791 Plastic Washer
- 27804 Base
- 27805 Center Stem
- 27809 Drum Crown
- 27810 Spindle
- 27811 Pawl Gear
- 27812 Gear
- 27813 Ratchet Gear
- 27814 Pawl Gear
- 27815 Gear Shaft
- 27816 Gear Shaft
- 27817 Cover Plate
- 27819 Handle Socket
- 27820 Stem Cap
- 27908 Washer
- 28169 Red Line Ring
- 30653 Bearing Spacer
- 32523 Top Cap
- 726073 Bearing
- 737773 Bearing
- 927852 Aluminum Drum
- 927855 Chrome Drum
- 933348 Bronze Drum

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

When ordering parts, please include a "B" before each number (i.e. B008).
### 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) 5/16” (8 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 bearings from center stem
- Remove allen screws holding center stem to base
- Remove center stem carefully
- Remove all pawls and springs – service as below
- Clean all parts with rags and solvent
- Use a brush to lubricate all gears, gear shafts, bearings, teeth and all moving parts lightly with grease
- Replace all parts 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 winch before the sailing season begins and once during.