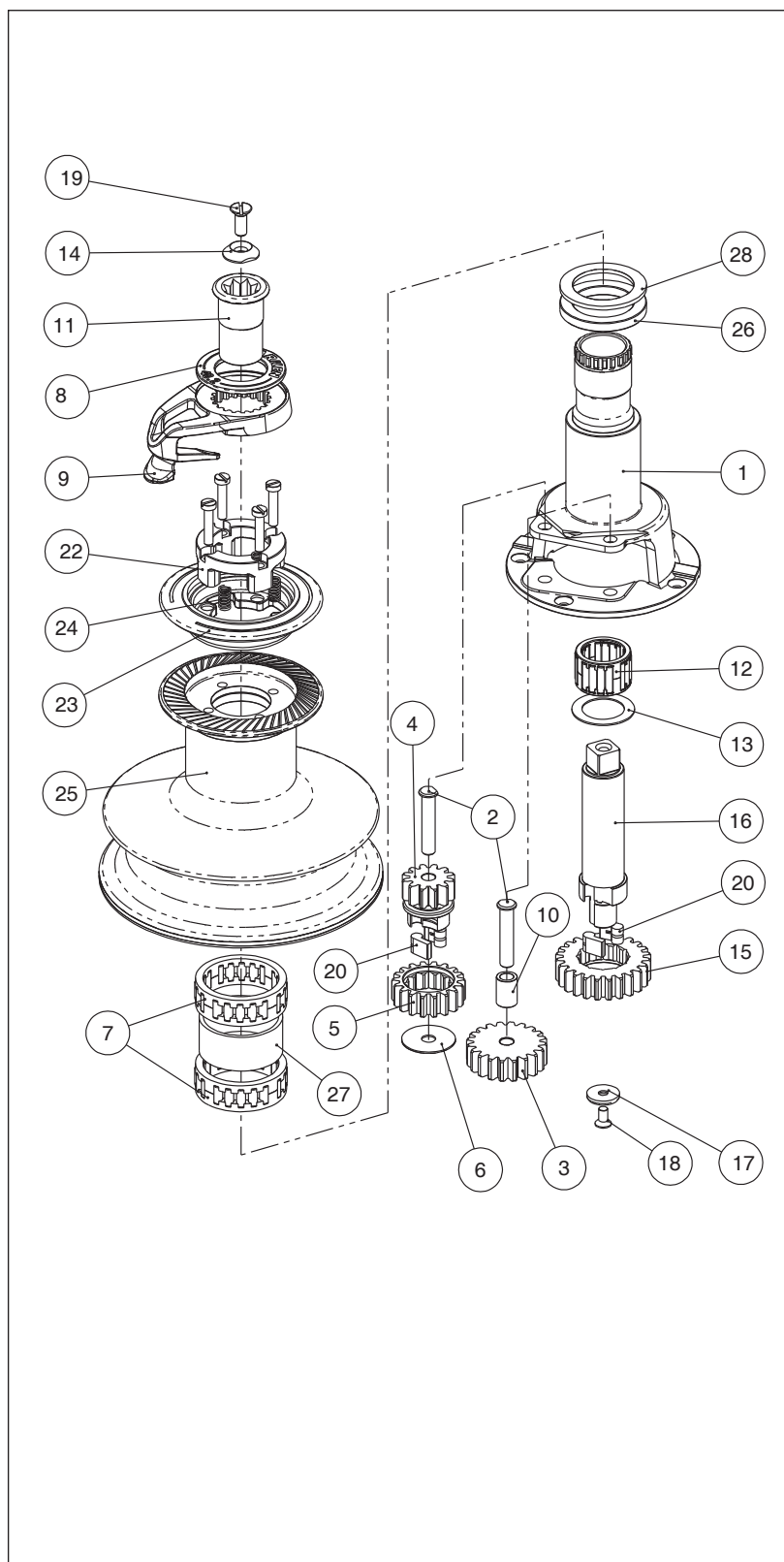


40STQ



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

Parts List		
Pos.	Code	Description
1	S 38330 00 45	Base for winch 40.2 STQ
2	S 27222 00 04	Gear pin
3	S 45970 00 41	Gear z20 winch 40.2 ST
4	S275600041	Pinion z12
5	S 27219 00 41	Gear z18
6	S 27909 00 02	Washer 36x9,5x1
7	A70319200	Bearing 50x62x20
8	S 32534 01 03	Logo Plate Winch 40 ST
9	S 37541 00 03	Self-tailing arm winch 32-40 ST
10	S 45971 00 A3	Spacer for gear 30-40 ST
11	S 31759 00 03	Socket
12	A72607300	Roller bearing 28x38x25
13	S 27908 00 02	Washer 28.5/42x1
14	S277910085	Washer
15	S 27536 00 41	Gear W40.2ST Z24
16	S 27535 00 02	Shaft for 40 ST
17	S 26889 00 80	Washer
18	M 06040 03	Screw M6x12 UNI 5933
19	M 06143 03	Screw M8x20 UNI 6109
20	S 00008 00 03	Pawl Ø8
21	S 00038 00 01	Pawl Spring dia 8
22	S 37383 03 A2	Spring carrier ST
23	S 38598 00 85	UPPER JAW W40
24	S 38597 00 01	SPRING
25	F 945518 00	Drum assy winch 40 STA Quattro
	S 45518 00 53	Winch 40.2 Quattro Drum
	S 42151 00 85	Lower jaw for 32-40 ST
	S 28169 00 97	Red line
	S 45438 00 03	Screw M6x28 U6107
	M0615102	Heli-coil M6x6
26	S 44275 00 81	Washer
27	S 38332 00 86	Spacer for 40STQ
28	S 37353 00 02	Spacer for 40STQ

Service winch before the sailing season begins and once during.

Required Tools

Screwdriver
Allen Wrench (6 mm)
Allen Wrench (5 mm)
Plastic Head Hammer or Mallet
Small Knife
Brush

Rags
Solvent
Oil
Grease
Suggested Service Kits
BK4512 10 008 Pawls
10 038 Springs
BK4513 100 ml Grease

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) 5/16" (8 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 (6143).
Remove handle socket (26648).
Lift stripper arm (37850) and position as desired.

Opening Winch

Remove top screw (6143).
Remove handle socket (26648).
Remove 3 screws (6391) in stripper arm (37850).
Remove stripper arm.
Remove 4 screws (6009) in stripper arm base (27668).
Lift support base.
Lift off drum.

Servicing Winch

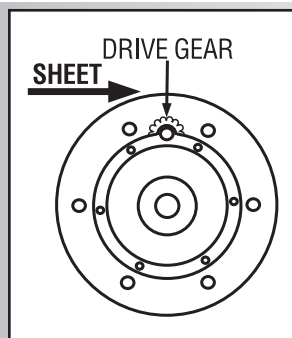
Remove bearings from center stem.
Drum support bearing 27588/6337/27879 cannot be removed; clean with solvent and lubricate lightly with grease.
Remove allen screws (6432) holding center stem to base.
Remove center stem (46010) carefully.
Remove pawls and springs - service as below.
Remove all bearings, gear shafts and gears.
Service one gear shaft assembly at a time to avoid confusion.
Inspect plastic bushings for wear.
Remove all pawls and springs and service (see below).
Use brush to lubricate all gears, gear shafts, bearings, teeth and all moving parts lightly with grease.
Replace pawls and springs and lubricate lightly with oil.
Assemble and close winch.

Servicing Pawls

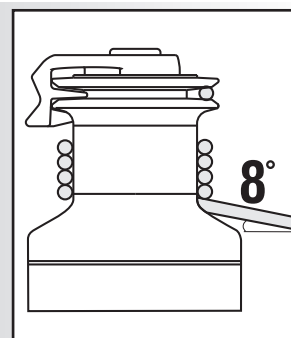
Catch spring with knife and hold against pawl.
Lift out pawl.
Clean and check for wear.
Place spring against pawl with straight leg against pawl.
Hold spring closed and slip pawl into pawl socket.
Lubricate pawls using oil.

HARKEN

Mounting

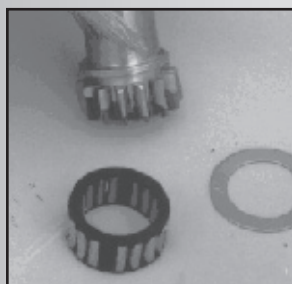


Position drive gear where sheet enters winch drum.



Sheet entry angle must be at least 8°.

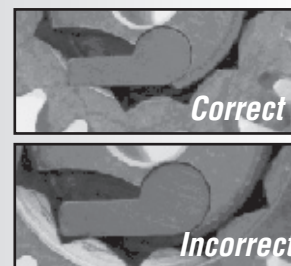
Servicing Winch



Clean all metal parts with solvent.

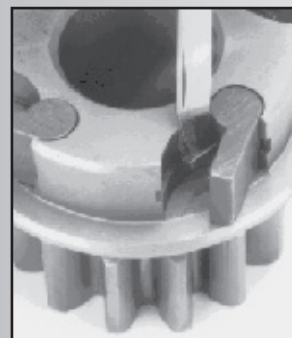


Use a brush to spread a light, even coat of grease.

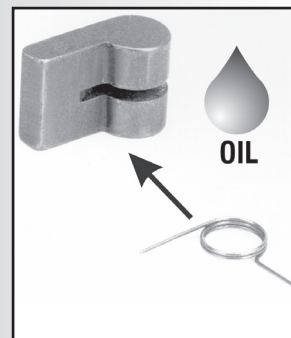


If ratchet gear is mounted backwards, winch will slip.

Servicing Pawls



Use knife to free captive spring.



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

WARNING

EN: Do not allow teak cleaning products or other cleaners containing caustic solutions to come into contact with winches and especially anodized, chrome plated or plastic parts.

F: Évitez soigneusement tout contact de nettoyant pour teck ou autres produits de nettoyage avec les winchs et plus particulièrement avec les pièces en aluminium anodisé, en métal chromé ou en plastique.

D: Keine Teak - Reiniger oder andere Reiniger die ätzende Stoffe enthalten, mit Wünschen, eloxierten, verchromten oder Kunststoffteilen in Berührung bringen.

I: Evitare il contatto dei prodotti per la pulizia del teak e di altre sostanze pulenti contenenti soluzioni caustiche con i winch e in particolare con i componenti anodizzati, cromati e plastici dei winch.

E: Evitar que los productos especiales para la limpieza de la Teca o cualquier otro limpiador que contengan soluciones cáusticas, entren en contacto con los Winches y en particular con componentes cromados, plateados o anodizados así como con las piezas de plástico.

4583/5-05

