



Maintenance No. 40

A Remove circlip (1) using a small screwdriver or knife blade.
 B Lift drum (15) and cover plate (2) from centre stem (14).
 C Remove cover plate (2) from drum (15).

The winch is now ready for routine monthly maintenance.

D Clean off excess grease and salt deposits from bearing surface of drum (15) centre stem (14) and roller bearings (5).
 E Check free operation of pawls (10) in upper part of drum.
 F Check free operation of ratchet gear assembly (parts 7-12) by rotating large gear.
 G Check free rotation of spindle (3) in centre stem (14).
 H If satisfactory proceed with routine maintenance. If not continue to Full Annual Service.

I Lightly grease the bore of the drum (15) and roller bearings (5).
 J Lightly oil ratchet gear assembly (7-12) and centre spindle (3).
 K Apply grease sparingly to gear teeth of ratchet assembly (7-12).
 L Lightly oil pawls (10).
 M Reassemble drum (15) to centre stem (14) by introducing drum over centre stem and

holding top pawls in the open position to facilitate engagement with the spindle ratchet track.
 N Rotate drum to check freedom of pawl movement and correct engagement.
 O Replace top cap.
 P Replace circlip (1) by entering one end into groove and winding circlip into place.
 Q Using handle check free operation of winch and correct engagement of pawls.

Full Annual Service.
 R To completely dismantle the winch the mounting bolts must be removed and the winch lifted from the deck.
 S Dismantle as steps A - C.
 T Remove two pawls (10) and two pawl springs (9) from drum.
 U Support the centre stem assembly (14) on its base on a firm structure (work bench etc.). Ensure the lower exit of bearing spindle (7) is not covered.
 V Using a flat ended drift tap out the bearing spindle.

DOWNWARDS.
 W Remove the ratchet gear assembly (8-12).
 X Separate the upper and lower gears (8) and (11) and cover plate (12).
 Y Remove two pawls (10) and two springs (9) from ratchet

gear (8).
 Z Remove lower circlip (1) and tab washer (13) with a small screwdriver or knife blade.
 A1 Withdraw spindle (3) from centre stem (14).
 B1 Withdraw washer (6) roller bearings (5) spacer (16) and drum washer (4) from centre stem (14).
 C1 Carefully wash drum, centre stem, spindle, roller bearings, gears, washers, pawls and pawl springs.
 D1 Lightly grease drum bore, roller bearings, centre stem bearing area and spindle.
 E1 Slide drum washer (6) roller bearings (5) spacer (16) and washer (4) onto centre stem (14). Ensure that roller bearings (5) are separated by spacer (16).
 F1 Insert spindle (3) and replace tab washer (3) and lower circlip (1), making sure that Tab engages in slot in bottom of spindle.
 G1 Replace two pawls (10) and springs (9) in ratchet gear (8) lightly oil.
 H1 Reassemble the upper and lower ratchet gears (8-11) noting the location of the annular groove for correct assembly (see sketch). Put the washer (12) in place.
 I1 Support the centre stem on the rear

Insert the ratchet assembly (8-12) into engagement with the spindle (3).
 J1 Insert the gear spindle (7) into place and engage with the ratchet gear assembly (8-12). Ensure correct line up.
 K1 With drift tap the gear spindle into place.
 L1 Reassemble and check winch as per points I - Q.
 M1 If winch fails to perform correctly recheck servicing technique or contact your nearest Lewmar Service point.

Spare Parts Kits
 Model 40
 Part No 19740400
 Contents
 1 x Circlip B2075
 4 x Spring Pt No 1260/7
 4 x Pawl Pt No 1260/8
 1 x Washer Pt No 1260/9
 2 x Pawl Pt No 15001012
 1 x Tab washer Pt No 1260/19

Parts list

Item Number	Part Number	Description	No. Off.
1	B2075	Circlip, Spirlock	2
2	15010006	Cap	1
3	1260/SA1	Spindle Assembly	1
4	1300/19	Washer	1
5	1260/SA2	Cage Assembly	2
6	1260/10	Drum Washer	1
7	1260/6	Gear Spindle	1
8	1260/4	Pawl Gear	1
9	1260/7	Spring	4
10	1260/8	Pawl	4
11	1260/5	Ratchet Gear	1
12	1260/9	Gear Washer	1
13	1260/18	Tab Washer	1
14	1260/1	Centre Stem	1
15A	1260/2	Drum, Bronze	1
15B	1256/2	Drum, Alloy	1
15C	1360/2	Drum, Stainless Steel	1
16	1260/11	Tube Spacer	1