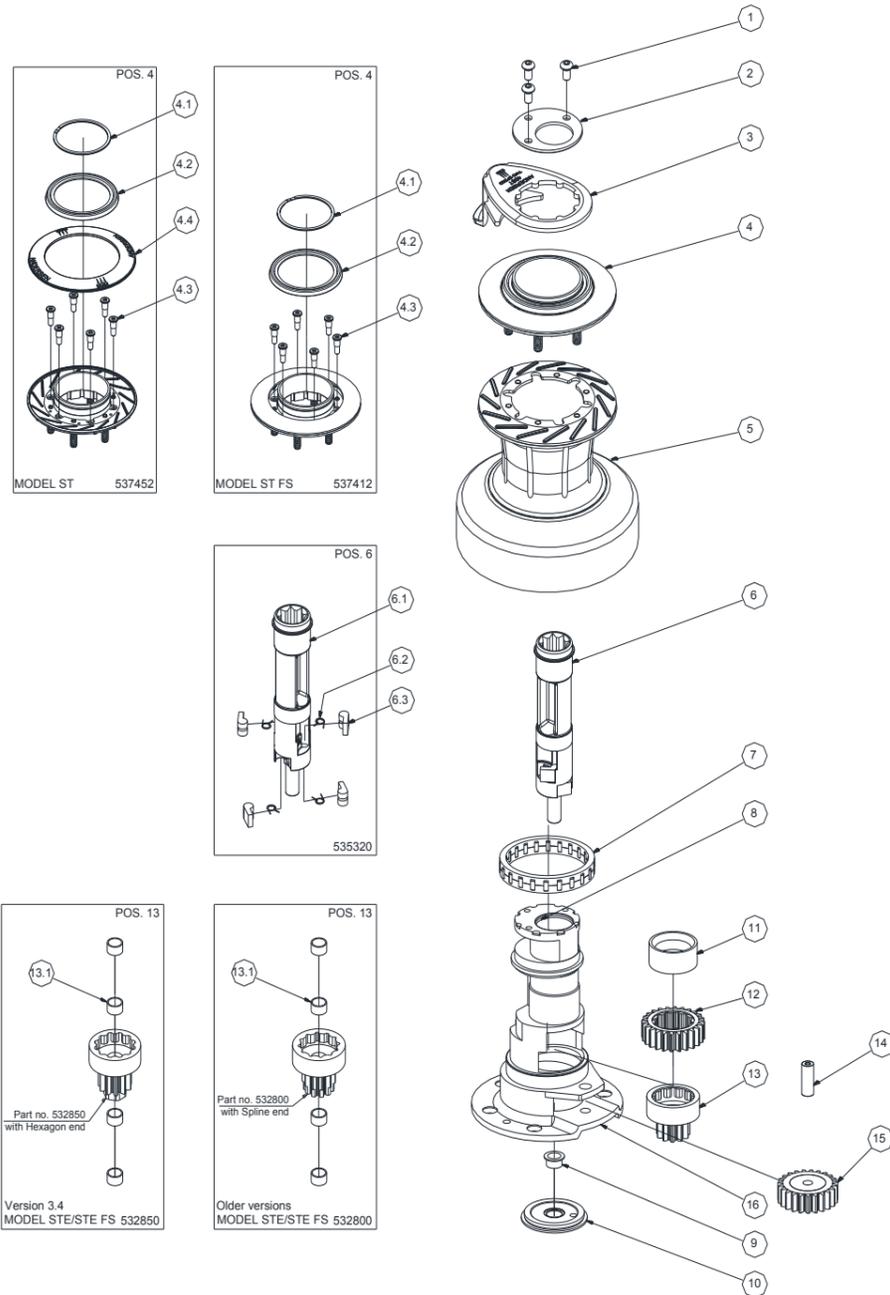


EXPLODED VIEW 40ST / 40ST FS

Version 3.4 Version 3.4.F



PARTS LIST 40ST / 40ST FS

Version 3.4 Version 3.4.F

POS.	QTY.	DESCRIPTION	ART. NO.
1	3	Screw	ISO 7380-A4-M6x12
2	1	Top cap	535102
3	1	Self-tailing arm	535220
4	1	Self-tailing Top <i>Model ST</i>	537452
4	1	Self-tailing Top <i>Model ST FS</i>	537412
4.1	1	Circlip	590300U
4.2	1	Top Ring	782211
4.3	6	Screw	781811
4.4	1	Disc <i>Model ST (only for 537452)</i>	535510
5	1	Drum complete.	535411
6	1	Drive shaft complete.	535320
6.1	1	Drive shaft	535310
6.2	4	Arm spring	713300
6.3	4	Pawl	713200
6.4	2	Plug	744900
7	1	Roller bearing complete.	727400
8	2	Bushing <i>Not removable</i>	716501
9	1	Bushing	729501
10	1	Cover	536200
11	1	Bushing	536000
12	1	Ratchet gear	711701
13	1	Gear Wheel <i>Model ST/ST FS</i>	536100
13	1	Gear Wheel <i>Model STE/STE FS OLD VERSION</i>	532800
13	1	Gear Wheel <i>Model STE/STE FS</i>	532850
13.1	4	Bushing <i>Not removable STE/STE FS</i>	RD100492
14	1	Shaft	536400
15	1	Gear Wheel	729603
16	1	Base	741210
1	1	Service kit 1 (Not included)	710001

MOUNTING INSTRUCTION 40ST / 40ST FS

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Installing the winch is easy, if you follow these instructions. The numbers in () refer to the position numbers in the parts list.

Tools required for the installation.

Allen key (4 mm.).

Allen key (5 mm.).

Ø6,5 mm. (1/4") drill.

5 pcs. M6 (1/4") countersunk head screws and corresponding nuts (length depending on deck thickness).

5 x large washers or backing plate.

Ring spanner to match nuts.

Bedding compound.

1. Drill bolt holes Ø6,5mm (1/4") using the winch template. Be sure that no dust comes in contact with the winch, while drilling.
2. Remove screw (1) and top cap (2).
3. Remove self-tailing arm (3) and drum (5).
4. Apply a light coat of bedding compound on the bottom of the base (16). Ensure that each bolt hole is bedded. Keep drain grooves clear.
5. Fasten base (16) into place using 5 pcs. M6 (1/4") countersunk head screws. Use large washers or a backing plate.
6. Assemble in reverse order.
7. Check that the winch is functioning correctly:
The drum should operate smoothly, by turning the drum clockwise by hand. The drum must not turn when trying to turn the drum anti clockwise.
While turning the winch handle clockwise the drum should turn fast. While turning the winch handle anti clockwise the drum should turn slowly.

SERVICE INSTRUCTION

40ST / 40ST FS

Version 3.4 Version 3.4.F

Tools required for service.

Allen key (4 mm.).

Screwdriver (medium).

Winch handle.

ANDERSEN Winch grease.

1. Remove screw (1) and top cap (2).
2. Remove self-tailing arm (3) and drum (5).
3. Insert a winch handle. Pull up the drive shaft (6) gently, while turning gear wheel(15) and ratchet gear (12) carefully. Remove drive shaft (6).
4. Remove plugs (6.4), pawls (6.3) and arm springs (6.2).
5. Remove ratchet gear (12) and bushing (11).
6. Remove ratchet gear (13).
7. To release the roller bearing (7), gently insert a small screwdriver between roller bearing and base (16). Remove roller bearing (7).
8. Remove shaft (14) and gear wheel (15). Use a screwdriver.
9. Clean all parts in benzine. Remember to clean the gear teeth.
10. Assemble in reverse order. During assemble, by the use of a small soft brush lightly grease all gear teeth, drive shaft, roller bearing, shafts, pawls, springs and bushings. Pawls should only be lubricated with a very thin film of ANDERSEN WINCH GREASE. It is very important that pawls can move freely.

IMPORTANT: When assembling the winch, check the functioning of each pawl by pushing the pawl against the spring. The pawls should move smoothly and automatically return to their normal position, where the pawls engage with the teeth. If the pawls do not function correctly, clean and lubricate the pawls and gears. Check the function of the pawls again to make sure that it works correctly. If the pawls do not work correctly replace the springs and recheck the functioning.

Malfunctioning pawls may lead to unexpected failure of a loaded winch resulting in material damage or fatal personal injury.

Service Kit No: 1 (art. no. 710001) contains spare parts for this winch.

IMPORTANT INFORMATION

ALL WINCHES

- 

Read All Safety Notices and Product Manuals
 Do not install or operate this winch before reading and fully understanding the contents of this Safety Notice Sheet and the Product Manual.
- 
Stay Alert When Operating
 Andersen winches are very powerful and have the potential to cause significant damage and/or serious injury if used improperly or without due caution and vigilance.
- 
Operators Must Be Trained
 Help prevent significant damage and/or serious injury by ensuring any person operating a winch has a thorough understanding of its proper operation and is aware of the potential hazards involved. As a minimum, all winch operators must read and understand this Safety Notice Sheet and the Product Manual. Particular attention is drawn to the following points:
 - Children and others not qualified to operate an electric winch must be kept at a safe distance from the winch and any rigging or fittings that are under load.
 - Long hair and/or loose clothing must be tied back to avoid being caught in the winch.
 - In the event of a rope override or other fault, stop the winch and turn off power before attempting to resolve the problem.
- 
Avoid Accidental Operation
 Remove winch handles and turn off power to the winch when not in use to help avoid unsupervised or unintentional operation. Failure to do so could result in significant damage and/or serious injury.
- 
Maintenance
 Turn off power to the winch before performing any maintenance or service tasks. Failure to do so could result in significant damage and/or serious injury.
- 
Lifting Operations
 The winch must not be operated with the rope in the self tailer when used in any kind of lifting operation.

Any lifting operations should be conducted by two persons in order to maintain constant visual contact with the object being lifted.

Furthermore the selftailer must not be used as a cleat for a rope used to lift or suspend any object. The rope must be secured properly by tying off, or leading to a suitable fitting such as a cleat or bollard.

Failure to observe these precautions could result in serious injury or death.

DO NOT DISCARD

9. februar 2012 — Part no.: 710240

WARRANTY

Refer to our website www.ronstan.com/warranty for our warranty terms and conditions

WORLD WIDE DISTRIBUTION & SERVICE

VISIT WWW.ANDERSENWINCHES.COM



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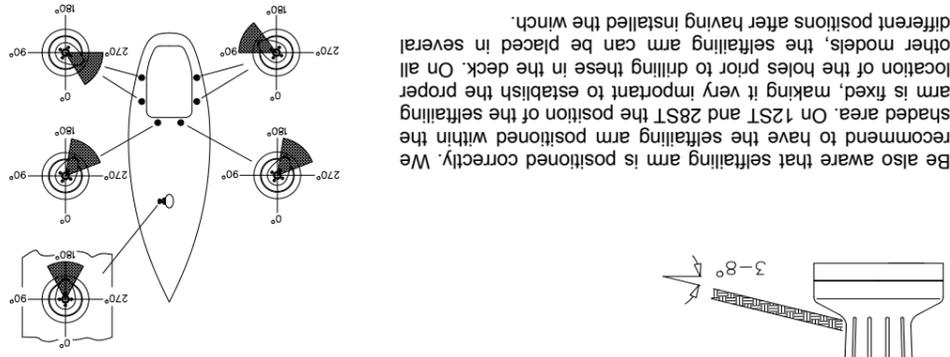
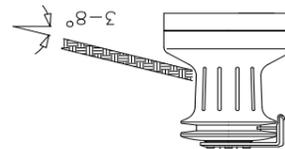
Manual

40ST / 40ST FS

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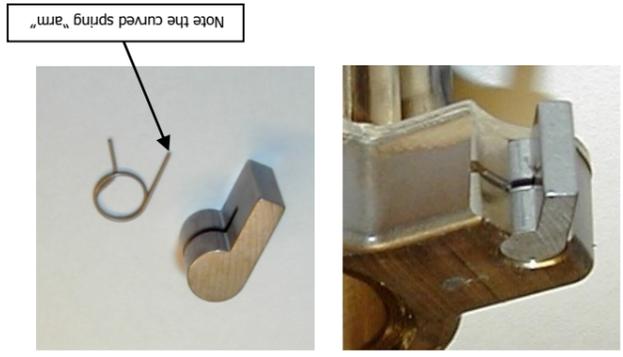


Due to the best choice of materials and high precision in manufacturing, we recommend, for normal use, only to dismantle, clean and lubricate the winch once every second year. Under extensive use, such as racing, charter or blue water sailing, we recommend to lubricate the winch once every year. We strongly recommend always to use ANDERSEN WINCH GREASE, when lubricating your winch. ANDERSEN WINCH GREASE is a high quality silicone/Teflon grease product. Most other types of grease, including "marine grease" are not suitable for lubrication of winches. Non-suitable grease products can cause malfunction, which could result in fatal injuries for the user and others. Pawl arm springs should be replaced every second year. Spare arm springs and other parts that may be required are included in the ANDERSEN Service Kit. Please refer to the service instruction for the Service Kit suitable for the specific winch. When the winch handle is not in use but the winch is under load, we recommend, from a safety point of view, to remove the winch handle from the winch. To ensure correct function of the selftailing unit, only use recommended line sizes. When using the winch with mooring lines DO NOT use the selftailing function and be sure that the mooring line is not in contact with the selftailing arm.



To ensure the best possible functioning of the winch, we recommend that the winch is placed in accordance with the line entry shown below.

PAWL SPRING MOUNTING



GENERAL INFORMATION