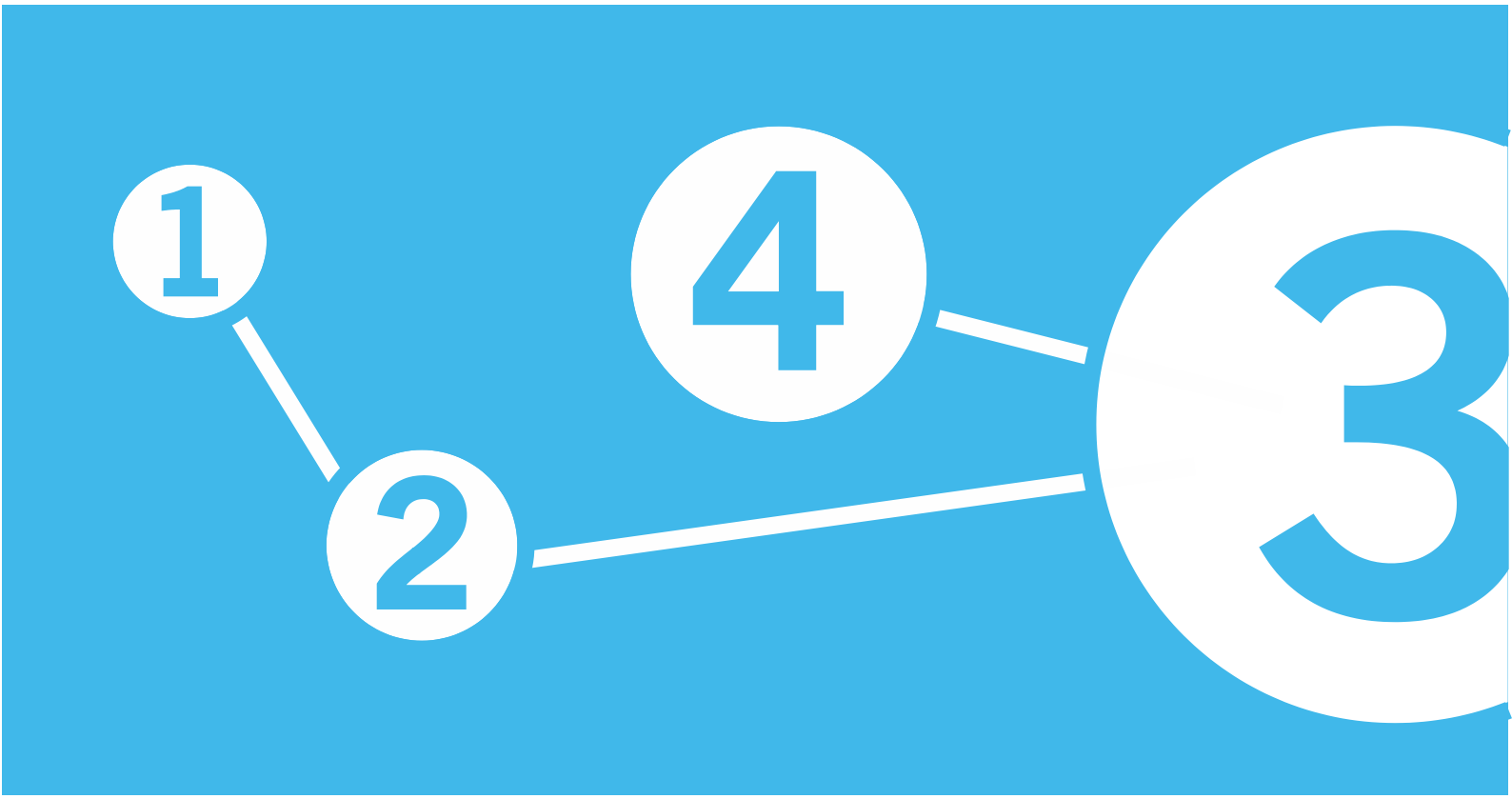


Instruction

Preventive Maintenance Kit Major

Plate Processors MD Thermal

IMPORTANT

This instruction and procedure described is for authorized service technicians only.

GLUNZ & JENSEN

April 28th, 2022
Edition B, Part No 10107159
English (en-us) Original version

Introduction

Kit number

This instruction is valid for kit number 10107160.

Estimated timing for the upgrade: 180 minutes.

Products covered

The above mentioned preventive maintenance kits are for the following processors:

Product	Serial numbers
Plate Processors MD 85 Thermal	10097800
Plate Processors MD 125 Thermal	10103140

CAUTION: Verify that the serial number specified on the processor name plate located on the rear end of the tank on the left side is listed above.

Kit contents

Check contents of the kit and make sure that all parts are present and in good condition.

The kit consists of:

Index	Part number	Specification	Quantity
1	10005392	BEARING, SHAFT, DRIVE	1
2	88961	BEARING, THRUST, AXIAL	3
3	10025999	MOTOR, DRIVE	1
4	10013531	MOTOR, BRUSH	2
6	10107159	INSTRUCTION (THIS DOCUMENT)	1

Maintenance intervals

NOTE: Carry out this maintenance procedure either after below specified processing hours, or after specified years after installation of the processor, whatever comes first.

Processing hours	or	Years after installation	Maintenance	Kit no.	
				85	125/150/165
1500	or	1	MINOR	10060926	10060930
3000	or	2	MEDIUM	10074184	10060931
4500	or	3	MINOR	10060926	10060930
6000	or	4	MAJOR	10060928 *10107167	10060932 *10107168
7500	or	5	MINOR	10060926	10060930
9000	or	6	MEDIUM	10074184	10060931
10500	or	7	MINOR	10060926	10060930
12000	or	8	MAJOR	10060928 *10107160	10060932 *10107168

* The kits are assigned only for MD 85T or MD 125T. (Not marked kits are assigned for the rest of the other plate processors.)

Before installation

Read this instruction carefully and ensure it is fully understood before commencing the installation of this kit. Seek clarification of anything that is not clear.

CAUTION: The exchange procedure must only be carried out by a well qualified Service Technician who is familiar with the equipment.

Safety

CAUTION: Before any work is carried out, ensure that the equipment is switched off, and disconnected from the electricity, possibly air supply. It is recommended that the power plug is removed from the power inlet, and then a check made to ensure that the equipment will not run.

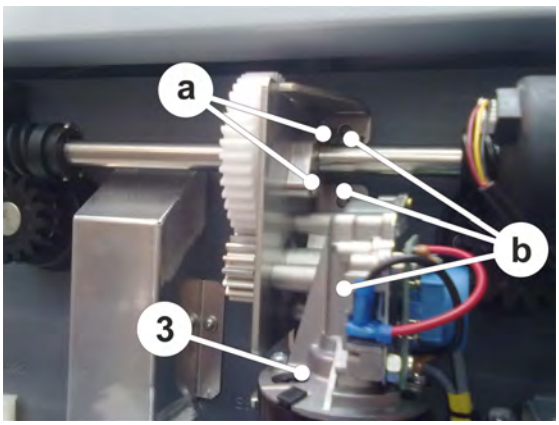
Tools

For this particular installation procedure, a standard toolbox is required.

Procedure

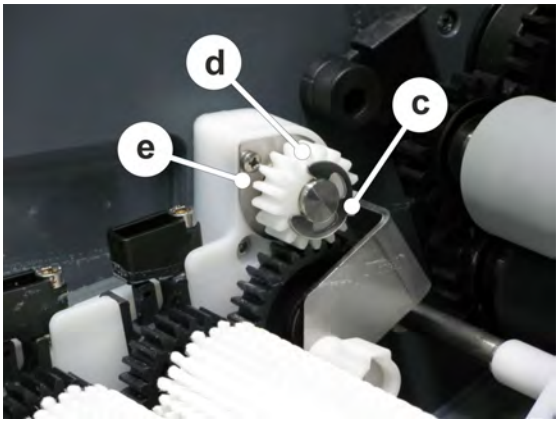
Drive motor

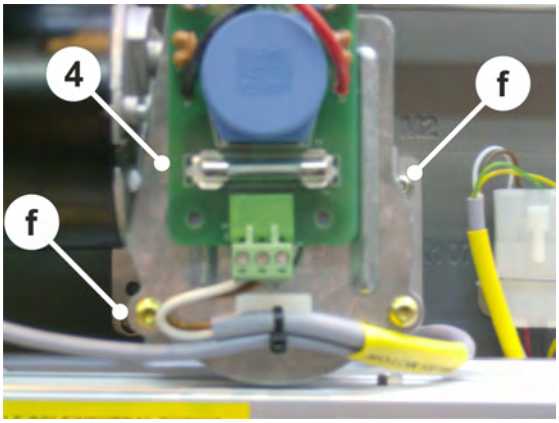
- Open the top covers, remove the fenders.
- Disconnect the cable from the drive motor.
- Dismount the screws from house bearing (a).
- Dismount the screws (b) that hold drive motor bracket to the tank.
- Replace the drive motor (3) after replacement of drive shaft parts is completed.



Brush motors

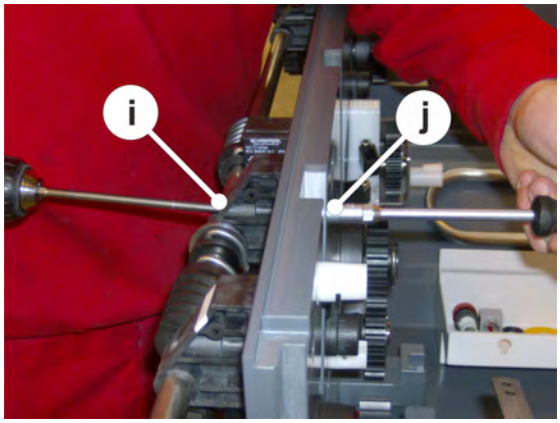
- Disconnect the brush motors cables.
- Take off the circlip (c), gear (d), seal (e) from the the brush bearings inside the tank. For procedure refer to the Preventive Maintenance Kit Minor instruction.
- Dismount the two screws (f) that hold the brush motor (4).
- Replace the motor (4) after replacement of drive shaft parts is completed.
- Remember to change both motors.



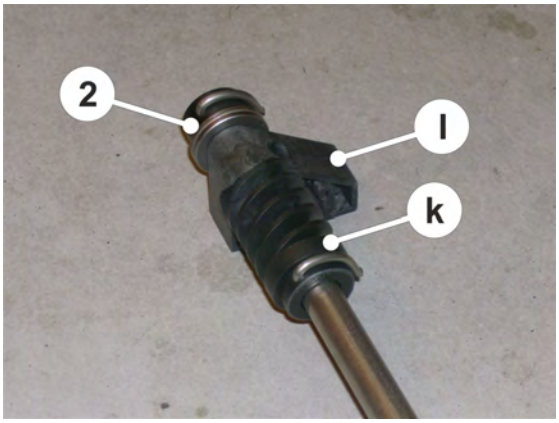


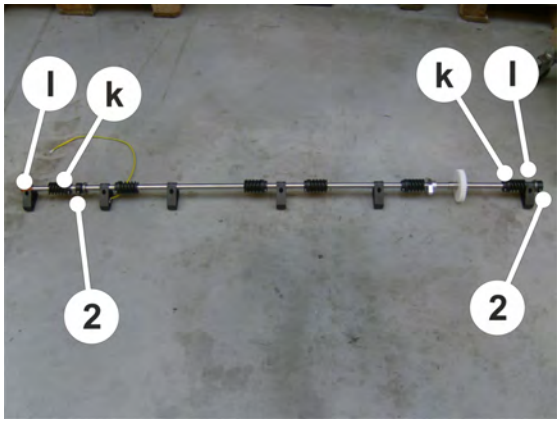
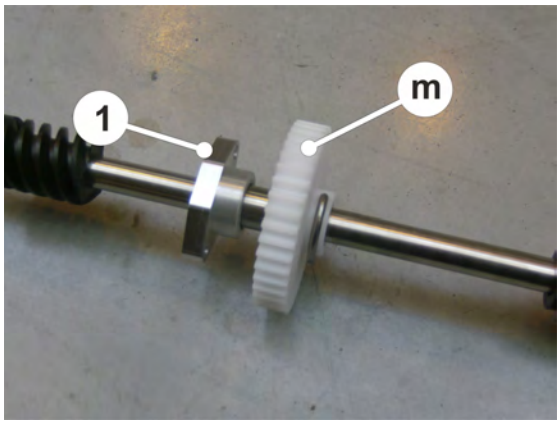
Drive shaft

- Disconnect the drive shaft ground cable.
- Dismount the screws (i) and nuts (j) that hold the drive shaft bearings to the tank as shown and then remove the complete drive shaft.



- Dismount r-clips from the axial bearings (2) and from the worm gears (k).
- Remove the bearing (l) and the worm gears (k).





- Dismount r-clip from the gear (m) and remove it.
- Replace the drive shaft bearing (1).
- Remount the worm gears and bearings.
- Replace the axial bearing (2).
- Remount the complete drive shaft onto the tank.
- Remember to mount the ground cable.