

Instruction



Preventive Maintenance Kit Medium Plate Processors Polymer

IMPORTANT!

Please keep this instruction with other machine documentation as future reference when ordering spareparts. The spareparts concerning this kit are as listed in "KIT CONTENTS".

Part No 10061704 B

07-10-2011

Introduction

This instruction is valid for **Kit nos 10061662 and 10061682.**

Products covered

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

**Plate Processors 85 Polymer serial nos 95502, 95503, 95504, 95554, 95556
93778, 93805, 94213, 94362, 94412.**

**Plate Processors 125 Polymer serial nos 95522, 95523, 95555, 95557, 93779,
94214, 94370, 94526.**



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:

Item	Part No	Specification	Quantity	
			10061662	10061682
1	10052578	GEAR,Z16,M3,RIGHT	11	11
2	10052561	GEAR,Z16,M3,LEFT	5	5
3	43236	WORM,GEAR,Z3,M3,LEFT	5	5
4	43235	WORM,GEAR,Z3,M3,RIGHT	6	6
5	53323	GEAR,Z17,M2	3	3
6	10014027	GEAR,Z31,M2	3	3
7	10014228	GEAR,Z23,M2	4	4
8	35482	O-RING,D68x2.0,NBR	8	8
9	42223	BEARING,SHAFT,DRIVE	8	8
10	35483	V-RING,VA20,NBR	8	8
11	22887	BEARING,SHAFT,LEAD-IN	16	16
12	10003917	VALVE,POPPET,PUMP,BELLOW	2	2
13	10060921	WET END SET	1	-
14	10060922	WET END SET	-	1
15	10061704	INSTRUCTION (THIS DOCUMENT)	1	1

Estimated time



Estimated time for the installation of the kit is 150 minutes.

Maintenance intervals



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
				DEV pump 20	DEV pump 40	
1500	or	1	MINOR	10061667	10061667	10061670
3000	or	2	MEDIUM	10061668	10061683	10061679
4500	or	3	MINOR	10061667	1061667	10061670
6000	or	4	MAJOR	10061669	10061684	10061680
7500	or	5	MINOR	10061667	10061667	10061670
9000	or	6	MEDIUM	10061668	10061683	10061679
10500	or	7	MINOR	10061667	10061667	10061670
12000	or	8	MAJOR	10061669	10061684	10061680

Before installation

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



The exchange procedure must only be carried out by a well qualified service technician who is familiar with the equipment.



Install the Preventive Maintenance Kit Minor together with this kit.



Installation of this kit is required as a part of Preventive Maintenance Kit Major.

Safety

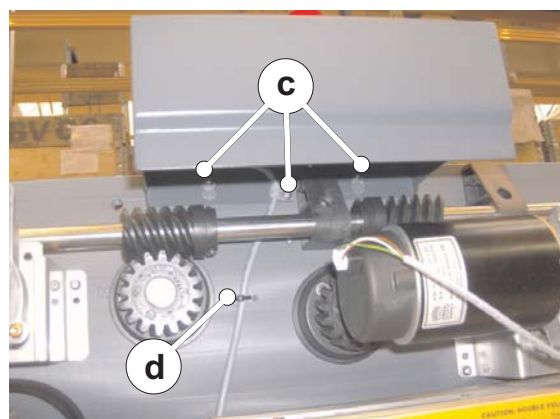
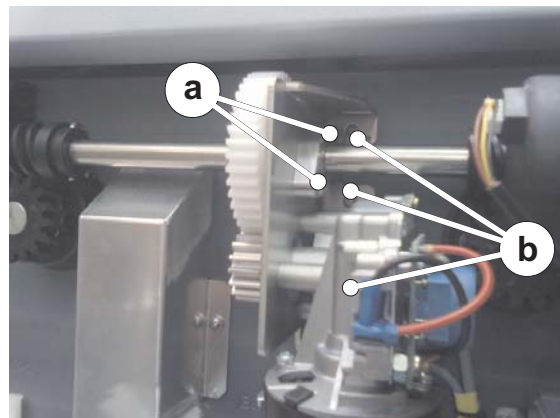


Before any work is carried out, ensure that the processor is switched off, and disconnected from the electricity supply. It is recommended that the mains supply be locked off using a padlock or similar, and then a check made to ensure that the processor will not run.

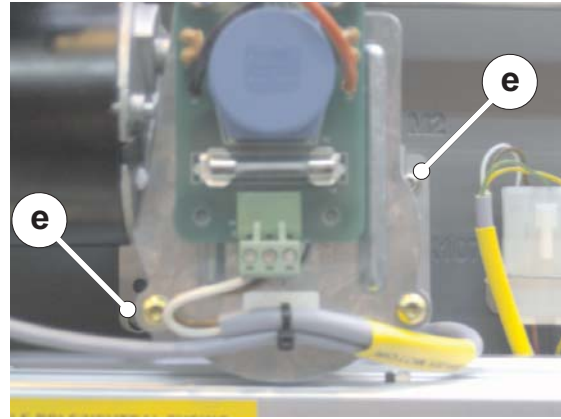
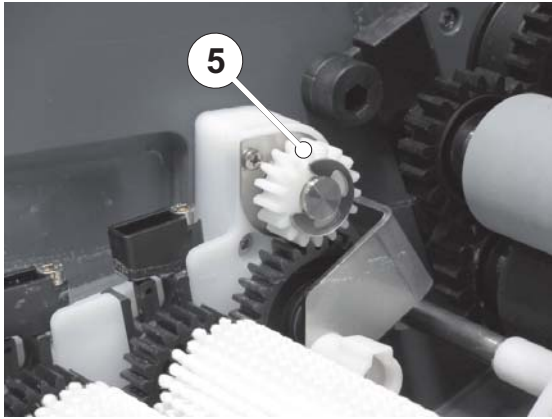
Procedure

Preparing the processor

- Open the top covers, empty the tank into waste containers, remove all rollers, brushes and brackets so there is easy access to all gears, 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.
- Take off the drive motor.
- Cut the cable strip (d)
- Dismount the three screws (c) that hold safety stop bracket.
- Put aside the safety stop bracket.

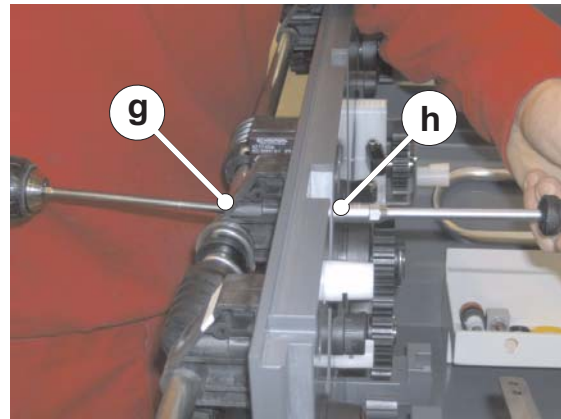
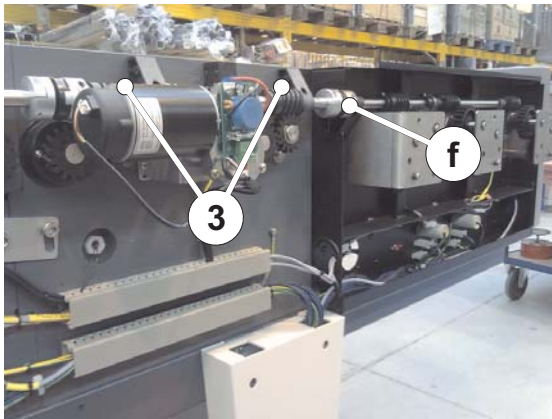


- Disconnect the brush motors cables.
- Take off the circlip, gear (5) to be replaced, seal and v-ring from the brush bearings inside the tank. For procedure refer to the Minor Preventive Maintenance Kit instruction.
- Dismount the two screws (e) from all brush motors and remove them.

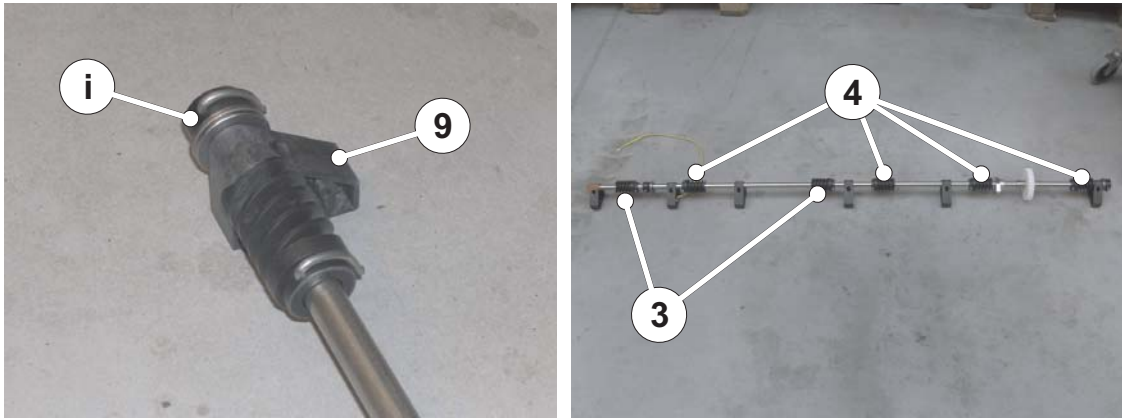


Drive shaft

- Disconnect the drive shaft ground cable.
- Loosen two screws (f) on the couplings.
- Dismount the screws (g) and nuts (h) that hold the drive shaft bearings to the tank as shown.
- Remove the complete drive shaft.



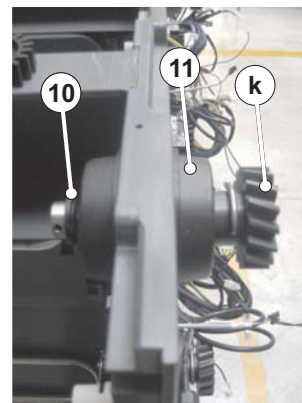
- Dismount r-clips from the axial bearings (i) on both ends and from all worm gears.
- Replace all drive shaft bearings (9) and all worm gears (3, 4).



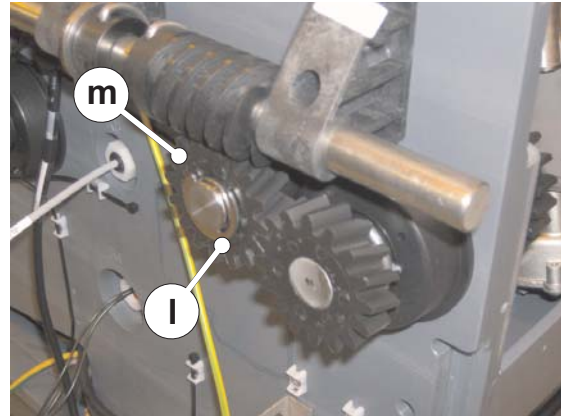
If the Preventive Maintenance Kit Major is to be installed as well, refer to the relevant instruction for replacement of the axial bearing and drive shaft bearing.

Drive gears

- Take off the r-clips (j) from the gears inside the tank, pull out the lead-in shaft.
- Dismount the old gear from the lead-in shaft and mount the new gear (k) identical as the old one.
- Dismount the old bearings (11) and replace them with the new.
- Replace the o-ring placed inside the bearing on the inner side of the tank.
- Remount the bearings, insert the lead-in shaft. Replace the v-ring (10).
- Repeat the procedures on all bearings.



- Take off the circlip (**l**) from the intermediate gear.
- Replace the old gear (**m**) with the identical new one.

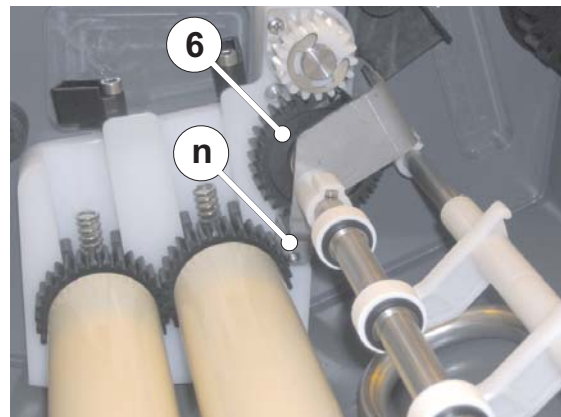
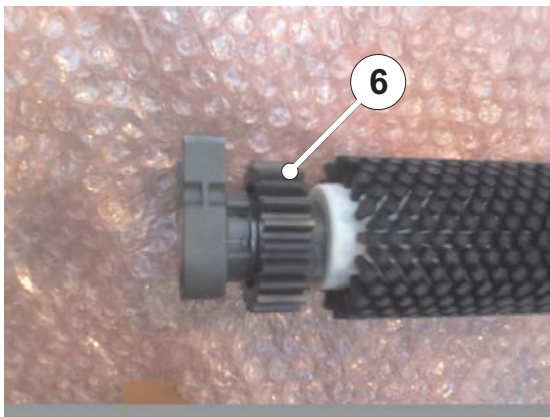


i If the Preventive Maintenance Kit Major is to be installed as well, refer to the relevant instruction for replacement of the drive motor and brush motors.

- Remount the drive shaft onto the tank.
- Remount the drive motor.
- Remount the brush motors.

Brush gears

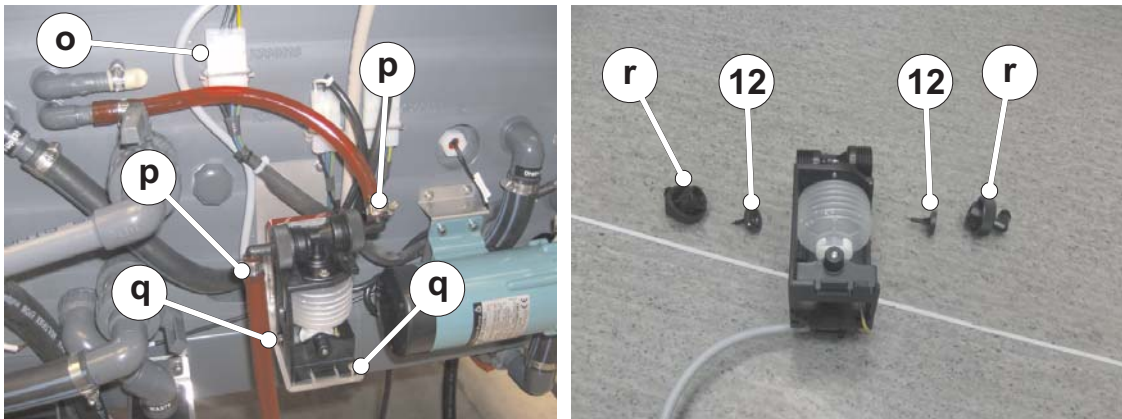
- Remove the bearing and replace the gear (**6**) on developer brushes and wash brushes (**7**).
- Take off the spray tube.
- Dismount the two screws from the tubespray bracket (**n**) and remove it.
- Take off the circlip and replace the gear (**6**).
- Remount the bracket and place back the tube spray.



- Place back all rollers, brushes. For reference see the label underneath the top cover.

Replenish pump

- Disconnect the cable from the connector (**o**).
- Loosen the clamps (**p**) to remove the hoses.
- Dismount the screws (**q**) to remove pump from the bracket.
- Dismount the elbow fittings (**r**) from the pump.
- Replace the poppet valves (**12**) inside the pump head.
- Remount the elbow fittings, remount the pump onto the bracket and reconnect the hoses and cable. Reuse and tighten the clamps.



Wet end set

See the separate instruction for installation of the Wet end set.

- Install the Wet end set on the developer circulation pump.