SERVICE MANUAL

TANDEM ROLLER
CT160, CT260

EN - 9813/7750 - ISSUE 1 - 06/2018

This manual contains original instructions, verified by the manufacturer (or their authorized representative).

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Foreword

The Operator's Manual

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You and others can be killed or seriously injured if you operate or maintain the machine without first studying the Operator's Manual. You must understand and follow the instructions in the Operator's Manual. If you do not understand anything, ask your employer or JCB dealer to explain it.

Do not operate the machine without an Operator's Manual, or if there is anything on the machine you do not understand.

Treat the Operator's Manual as part of the machine. Keep it clean and in good condition. Replace the Operator's Manual immediately if it is lost, damaged or becomes unreadable.

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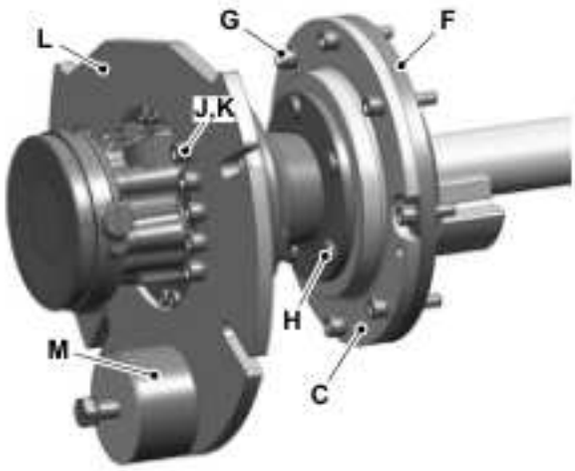
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11. Apply Loctite 574 to the capscrew 2.
12. Apply Loctite 574 on the travel motor mounting surface of the drum.
13. Install the travel pump assembly on the drum.
14. Install Nut 1 and washer.
15. Assemble the star plate and the AVM.
16. Install the mounting plate on the travel motor.
17. Install the capscrew 4 (x10), washer (x20) and the nut 2 (x10).
18. Tighten the capscrew to the correct torque value.

Figure 255.



C Flange
F Bearing case
G Capscrew 2
H Nut 1
J Capscrew 4
K Nut 2
L Mounting plate
M AVM

Vibration Side (Right side of the Drum)

1. Place the drum vertical with the vibration side facing upwards.
2. Support the drum with suitable lifting equipment.
3. Make sure that the drum is clean and free from contamination.

   3.1. If necessary, clean the drum with compressed air.

Figure 256.



A Drum

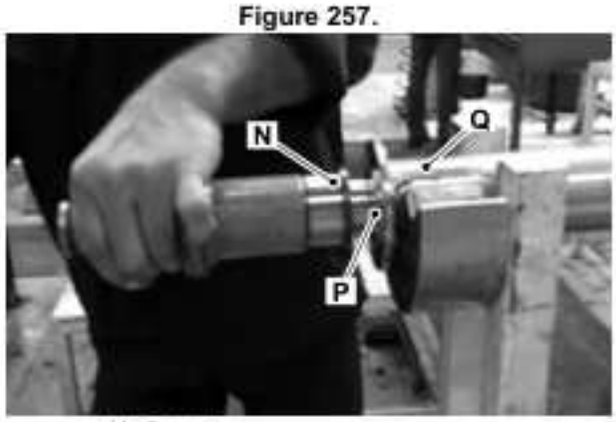
4. If removed, install the bearing and seal gasket on the vibration shaft.

   4.1. Before you install the bearing and seal gasket, heat the bearing and seal gasket to specified temperature.

   Temperature: 140 °C (283.8 °F)

   4.2. Use a suitable mandrel and soft faced hammer to install the seal gasket and bearing.

Figure 257.



N Bearing
P Seal gasket
Q Vibration shaft

5. Apply Loctite 574 on the coupling mounting surface of the drum.
6. Install the coupling on the drum.
7. Install the setscrew 1 (x8) and washer.
8. Tighten the setscrew 1 to the correct torque value.

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28 - Exterior Roof

Diagram

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Technical Data

Table 150. Specifications

Thread Diameter	Outside Diameter	Material Thickness	Total Rivet Length	Drill Hole Diameter
mm	mm (inch)	mm (inch)	mm (inch)	mm (inch)
M5	7	0.25 –3	14	7.1
M5	7	3 –5.5	17	7.1
M6	9	0.5 –3	16	9.1
M6	9	3 –5.5	19	9.1
M8	11	0.5 –3	18	11.1
M8	11	3 –5.5	21	11.1
M10	13	1 –3.5	23	13.1
M10	13	3.5 –6	26	13.1

Remove and Install

Consumables

Description	Part No.	Size
Threaded Insert (M10 x 23mm)	826/01104	-
Threaded Insert (M10 x 26mm)	826/01105A	-
Threaded Insert (M6 x 16mm)	826/01099	-
Threaded Insert (M6 x 19mm)	826/01101	-
Threaded Insert (M8 x 18mm)	826/01102	-
Threaded Insert (M8 x 21mm)	826/01103	-

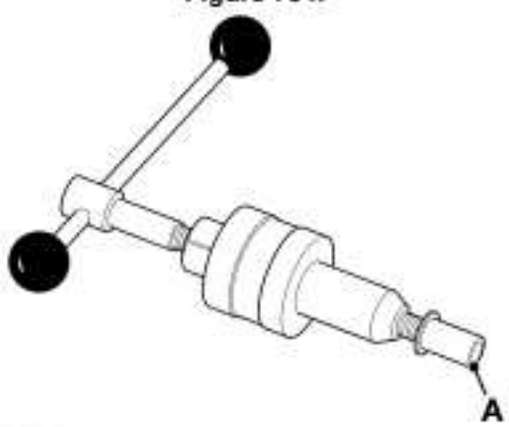
The threaded insert installation tool is available from Bolhoff Fastenings Ltd. www.bolhoff.com.

Install

1. Drill a hole in the machine body/framework where the threaded insert is to be installed, refer to technical data for the correct size.
2. De-burr the hole edges.
3. Screw the threaded insert on to the mandrel of the installation tool. The bottom of the mandrel should be in line with the bottom of the threaded insert.

   Consumable: Threaded Insert (M6 x 16mm)
   Consumable: Threaded Insert (M6 x 19mm)
   Consumable: Threaded Insert (M8 x 18mm)
   Consumable: Threaded Insert (M8 x 21mm)
   Consumable: Threaded Insert (M10 x 23mm)
   Consumable: Threaded Insert (M10 x 26mm)

Figure 754.



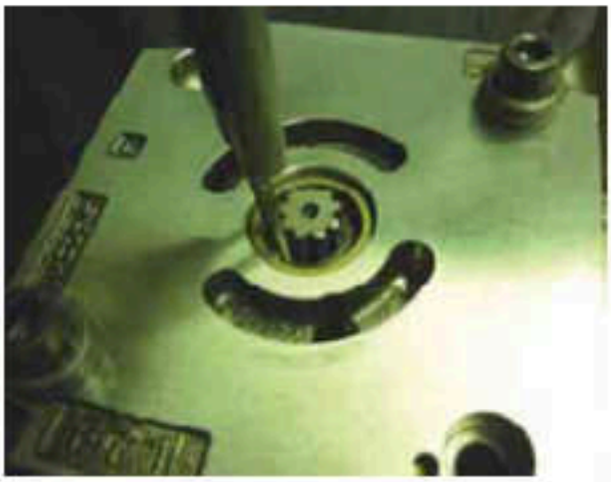
A Threaded insert

4. Wind the body of the installation tool down the threaded mandrel until it touches the head of the threaded insert.

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26.1. Install the snap ring with suitable snap ring pliers.

Figure 543.



Charge Pump

1. Install the charge pump shaft, snap ring and the key.

Figure 544.



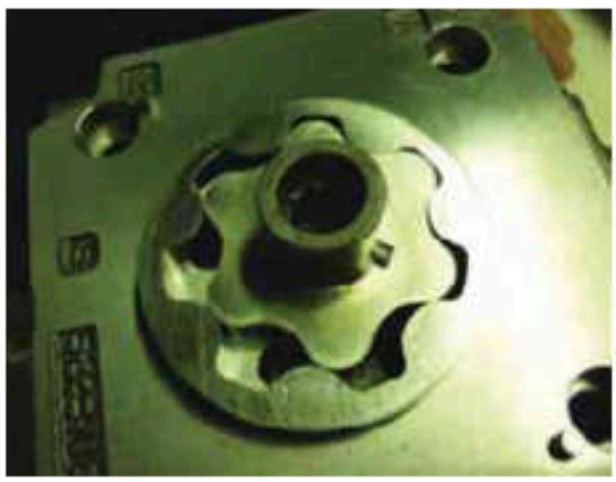
2. Remove the screw (x2) and thick washer (x2) from the end cover.

Figure 545.



3. Install the inner and outer gerotor. Use marking made on disassembly as a guide.

Figure 546.



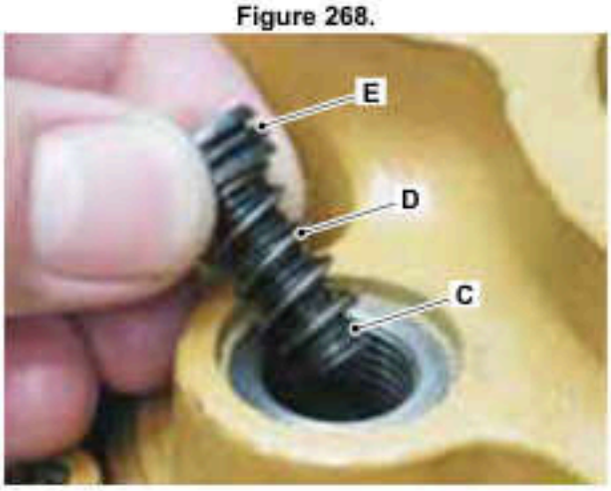
4. Install the bearing and a new O-ring in the charge pump cover.

Figure 547.



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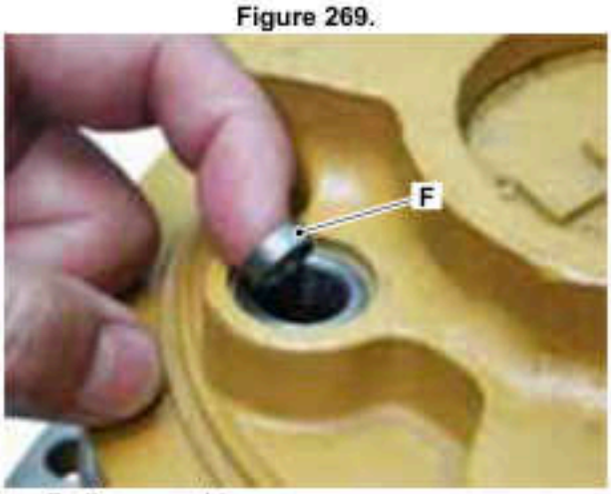
Figure 268.



C Screw
D Spring
E O-ring

5. Extract the spacer guide from the valve cover with a magnetic screwdriver.

Figure 269.



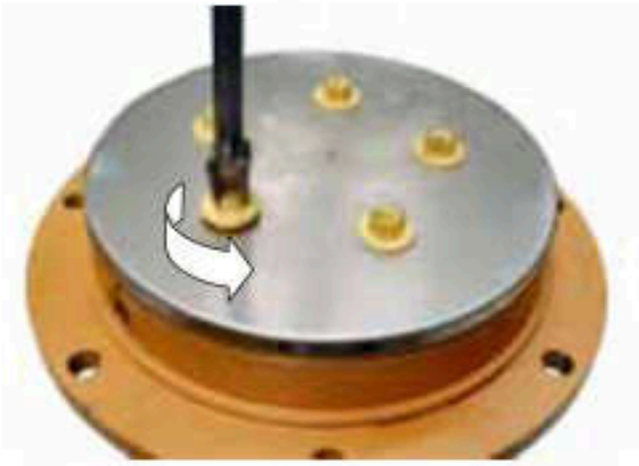
F Spacer guide

Protective Plate and Sealing Ring

1. Place the motor on the valve cover.

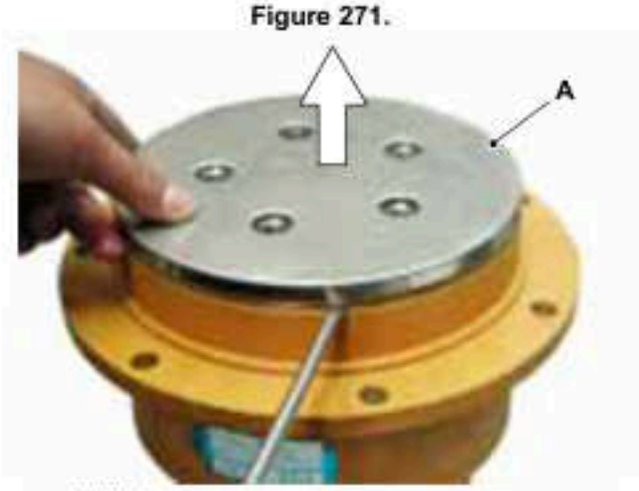
   1.1. If necessary, remove the protective plug (x5).

Figure 270.



2. Use a suitable screwdriver to separate the protective plate.

Figure 271.



A Plate

3. Extract and discard the lip seal.

Figure 272.



B Lip seal

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