Product: MOTOR GRADER
Model: 120K 2 MOTOR GRADER SZS
Configuration: 120K Series 2 Motor Grader SZS00001-UP (MACHINE) POWERED BY C7 Engine

Disassembly and Assembly
120K and 120K Series 2 Motor Graders Power Train
Media Number -KENR8438-04 **Publication Date -01/08/2018** **Date Updated -09/08/2018**

i07035127

Service Brake (Wheel Spindle) - Assemble

SMCS - 4002-016

Assembly Procedure

Table 1

Required Tools			
Tool	**Part Number**	**Part Description**	**Qty**
A	1P-2420	Transmission Repair Stand	1
B	138-7574	Link Bracket	2
C		7/16 IN - 14 NC × 6 Guide Studs	3
		7/16 IN - 14 NC Nuts	3
		7/16 IN Washers	3
D	169-0503	Installation Kit	1
	1U-8698	Duo-Cone Seal Installer As	1
E	—	Loctite 263	-
F		SAE 30	-
G	5P-8678	Punch	1
H	8W-0789	Retainer Used on 120K	1
	9D-3075	Retainer Used on 12K, 140K, and 160K	1
J	6V-7030	Micrometer Depth Gauge Gp	1

Note: Cleanliness is an important factor. Before assembly, all parts should be thoroughly cleaned in cleaning fluid. Allow the parts to air dry. Do not use wiping cloths or rags to dry parts. Lint

may be deposited on the parts which may cause later trouble. Inspect all parts. If any parts are worn or damaged, use new parts for replacement.

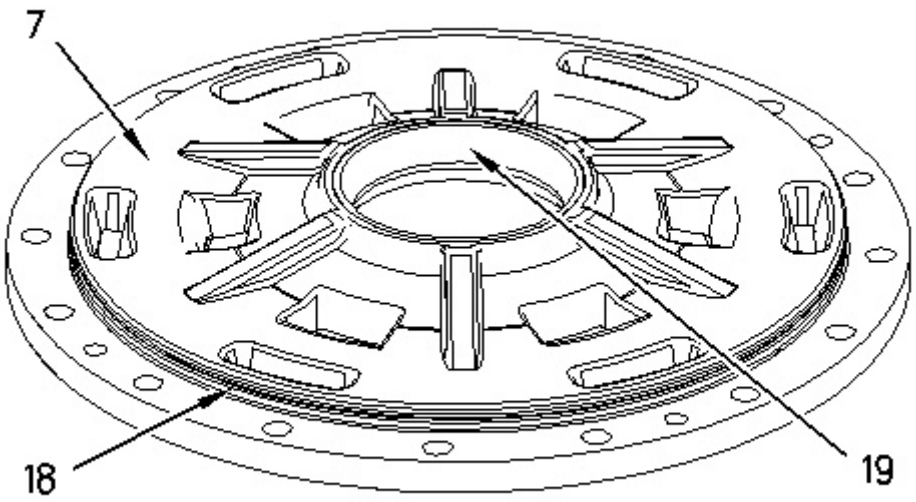

Illustration 1 g00925109

1. Lower the temperature of cup (19) to install bearing cup (19) in cover (7).
2. Install O-ring seal (18). Lubricate O-ring seal (18) lightly with the lubricant that is being sealed.

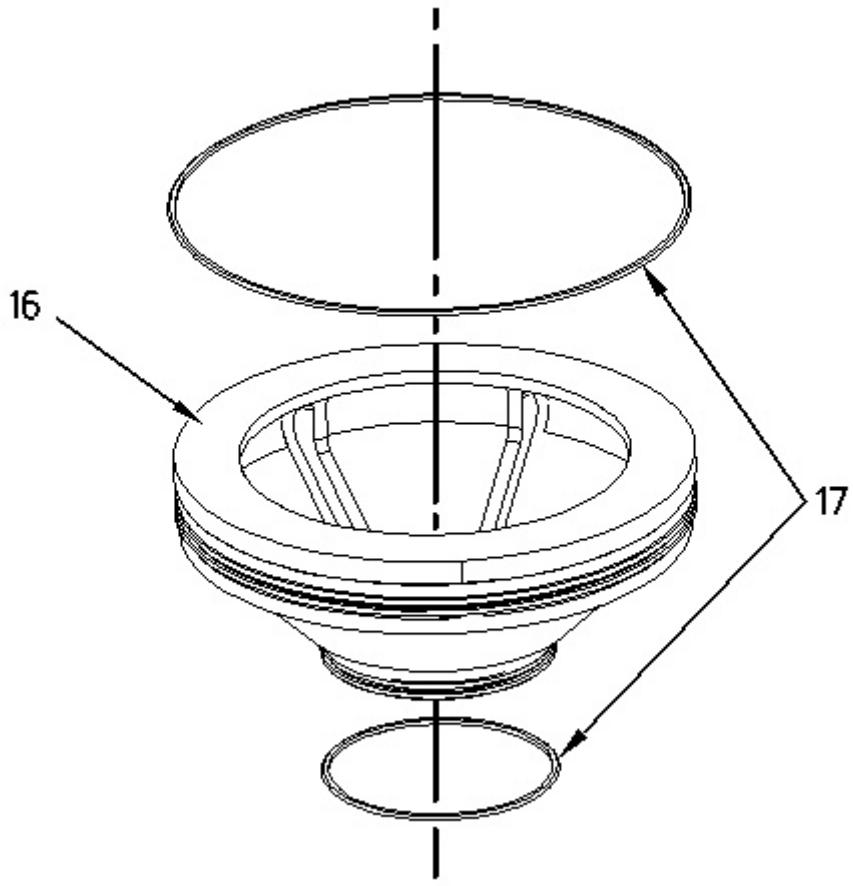

Illustration 2 g00924449

3. Install D-ring seals (17) on piston (16). Lubricate D-ring seals (17) lightly with the lubricant that is being sealed.

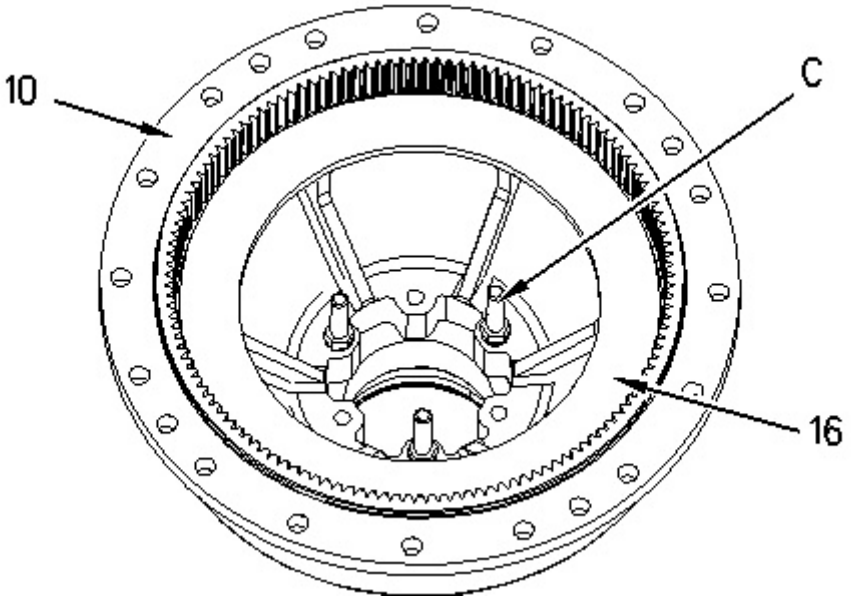

Illustration 3 g00925439

4. Install Tooling (C) on piston (16) and pull piston (16) into housing (10) evenly.

5. Remove Tooling (C).

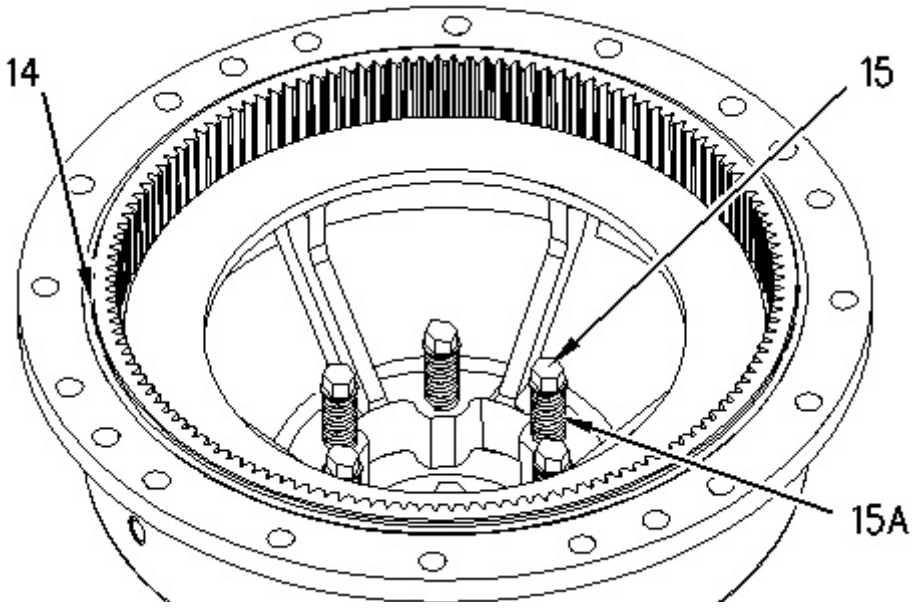

Illustration 4 g00924445

WARNING

Personal injury can result from being struck by parts propelled by a released spring force.

Make sure to wear all necessary protective equipment.

Follow the recommended procedure and use all recommended tooling to release the spring force.

6. Install springs (15A), the washers, and bolts (15). Tighten bolts (15) to a torque of 40 ± 7 N·m (30 ± 5 lb ft). Install O-ring seal (14). Lubricate O-ring seal (14) lightly with the lubricant that is being sealed.

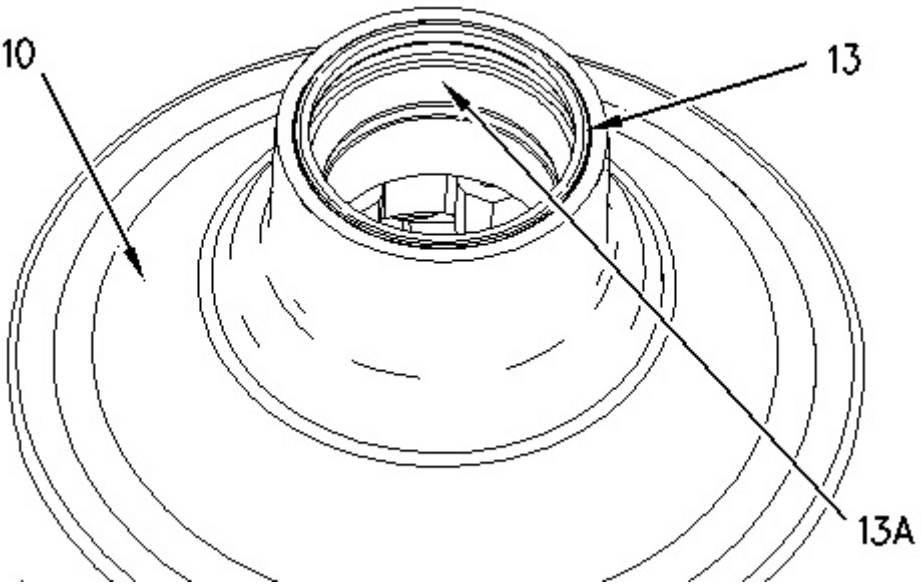

Illustration 5 g00924443

7. Lower the temperature of bearing cup (13A) to install bearing cup (13A) in housing (10).
8. Use Tooling (D) to install Duo-Cone seal (13) in housing (10). Refer to Disassembly and Assembly, "Duo-Cone Conventional Seals - Install".

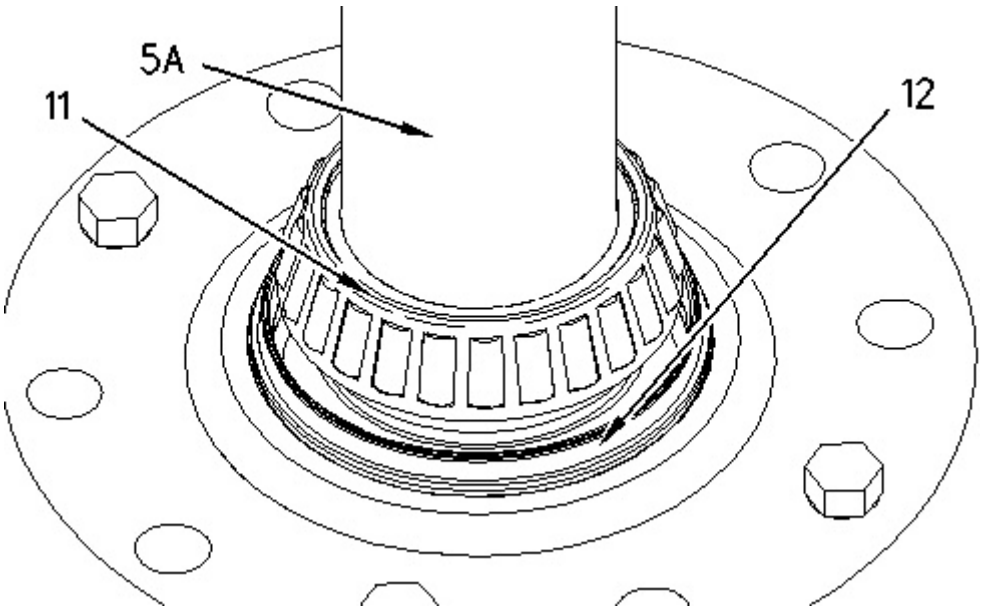

Illustration 6 g00924442

9. Use Tooling (D) to install Duo-Cone seal (12) on wheel spindle (5A). Refer to Disassembly and Assembly, "Duo-Cone Conventional Seals - Install".
10. Raise the temperature of bearing cone (11). Install bearing cone (11) on wheel spindle (5A).

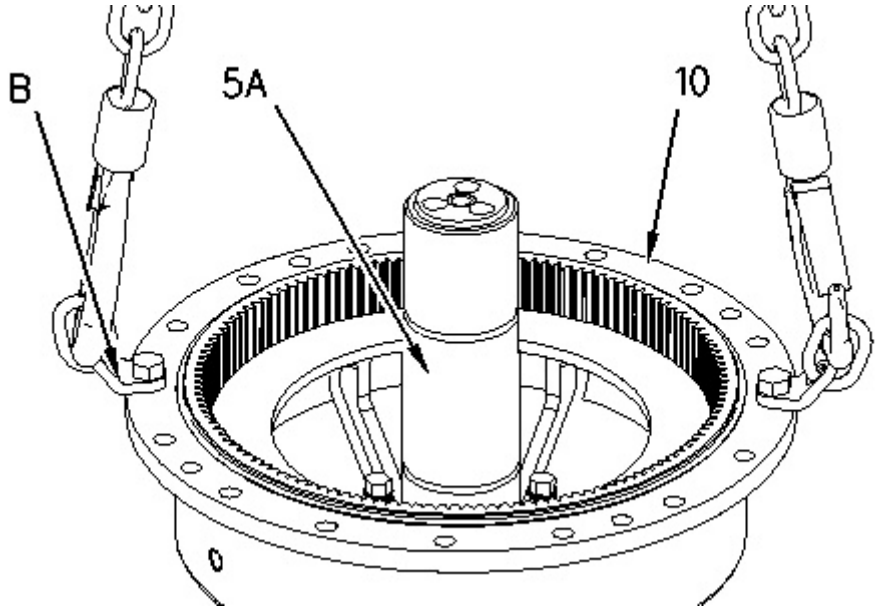

Illustration 7 g00924441

11. Install Tooling (B) and a suitable lifting device on housing (10). Position housing (10) on wheel spindle (5A). The weight of housing (10) is approximately 77 kg (170 lb).

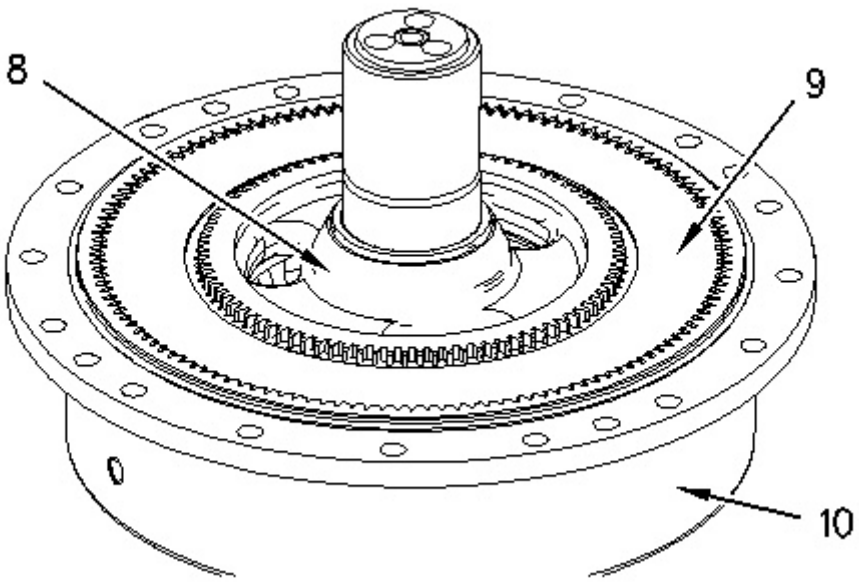

Illustration 8 g00924440

12. Apply Tooling (F) to discs (9) and friction discs. Install discs (9) and friction discs in housing (10).

13. Install hub (8).

Suggest:

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to download the complete manual.

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