

Product: TRACK-TYPE TRACTOR

Model: D6K2 TRACK-TYPE TRACTOR EL7

Configuration: D6K2 LGP, XL TRACK-TYPE TRACTOR EL700001-UP (MACHINE) POWERED BY C4.4 ENGINE

Disassembly and Assembly D6K Track Type Tractor Power Train

Media Number -M0066522-04

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i06830154

Piston Pump (Hydrostatic) - Disassemble

SMCS - 3203-015; 4306-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	437-3776	Fixture As.	1
	1U-9129 ⁽¹⁾	Adapter Plate	1
	1U-5750	Engine Stand	1
B	FT-1409	Spacer	4
C	422-5472	Lifting Eye Assembly	2
D	1P-0510	Driver Gp	1
E	136-1452	Retaining Ring Pliers As	1
F	8H-0663	Bearing Puller Gp	1
G	1U-7600	Slide Hammer Puller Gp	1

⁽¹⁾ Part of the Hydraulic Test Bench Tooling.

Start By:

- a. Remove the piston pump.

Note: Cleanliness is an important factor. Before the disassembly procedure, clean the exterior of the component.

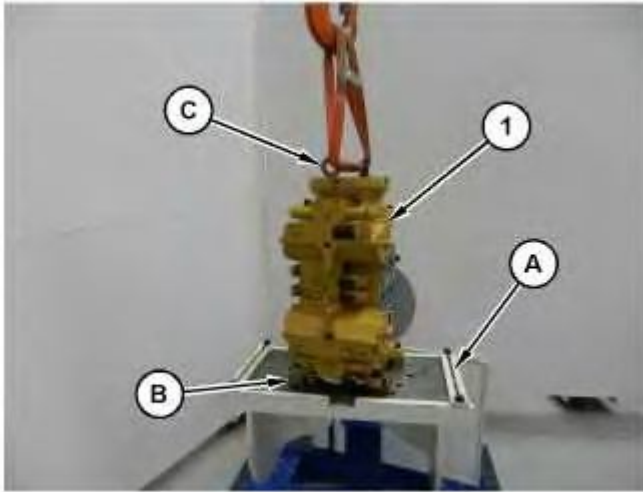


Illustration 1

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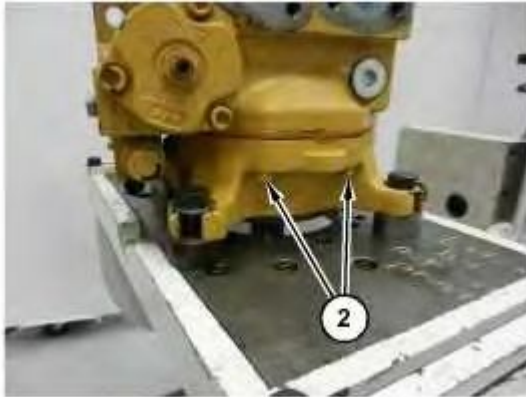


Illustration 2

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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.

1. Use Tooling (B) to secure the piston pump to Tooling (A) or a suitable fixture.
2. Attach Tooling (C) and a suitable lifting device to pump housing (1). Remove bolts (2) and pump housing (1).



Illustration 3

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3. Remove port plate (3) from pump housing (1).

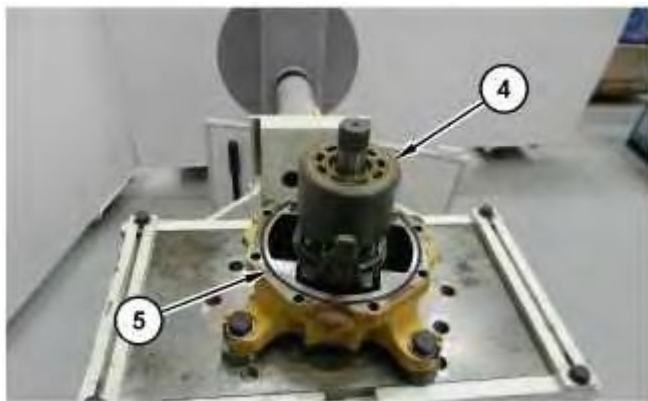


Illustration 4

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4. Remove O-ring seal (5). Use nylon string to remove rotating assembly (4).



5. Remove piston assemblies (6) and retainer plate (7) from barrel assembly (8).

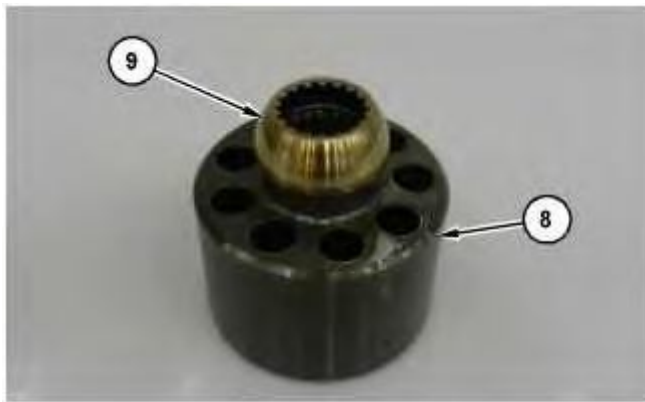


Illustration 6

6. Remove ball joint (9) from barrel assembly (8).



Illustration 7

7. Remove shim (10) and spring assembly (11) from barrel assembly (8).

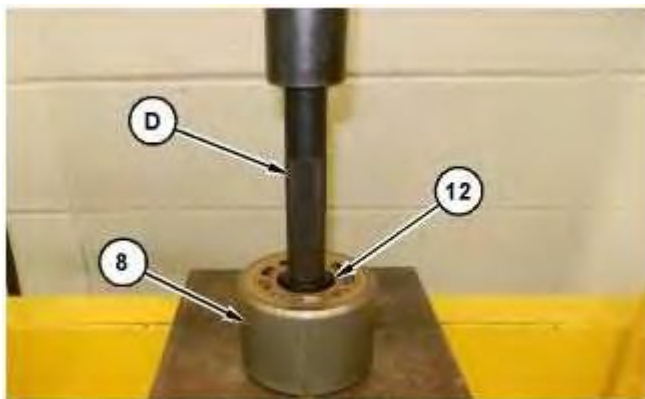


Illustration 8

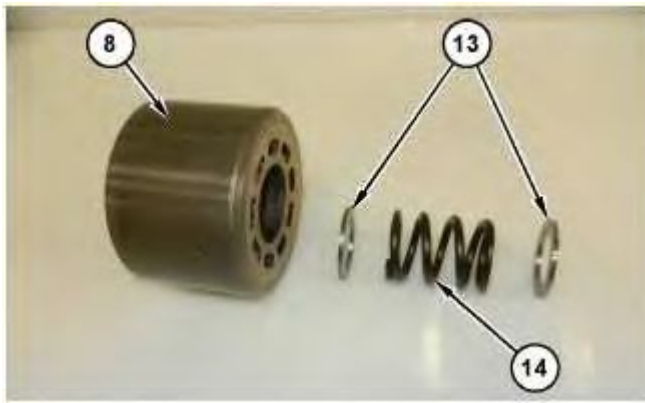


Illustration 9

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! 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.

8. Use Tooling (D) and a suitable press to compress spring (14). Remove retaining ring (12).
9. Remove washers (13) and spring (14) from barrel assembly (8).



Illustration 10

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Note: Note the orientation of slide (16) for assembly purposes.

10. Remove swashplate assembly (15).

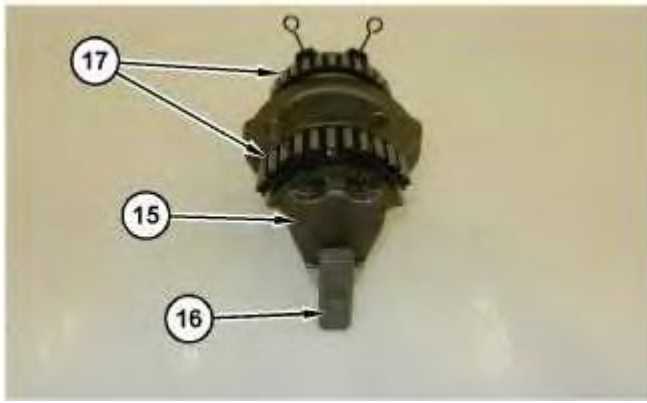


Illustration 11

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11. Remove slide (16) and bearing assemblies (17) from swashplate assembly (15).

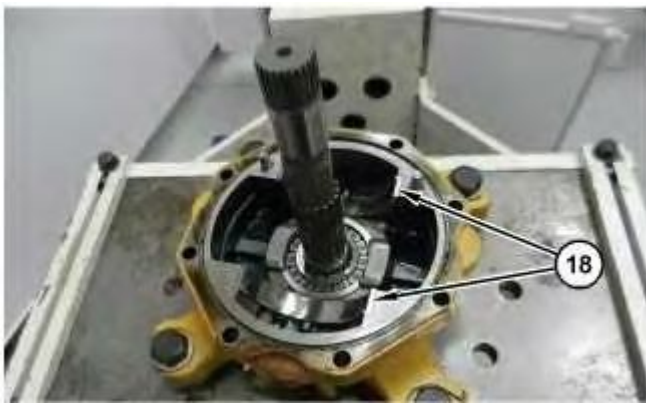


Illustration 12

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12. Remove bearing liners (18).

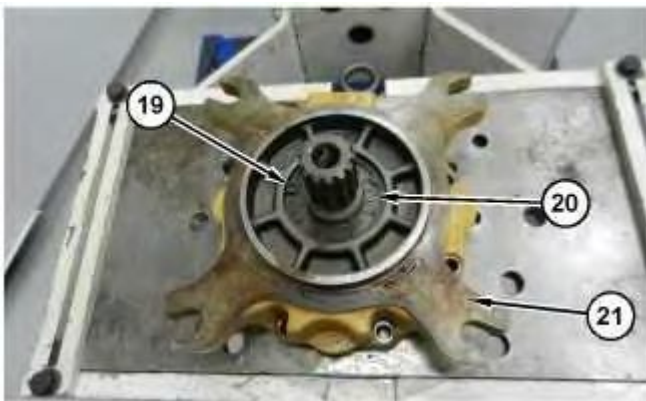


Illustration 13

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13. Use Tooling (E) to remove retaining ring (19) from front mounting flange (21).
14. Use Tooling (G) to remove lip seal (20) from front mounting flange (21).

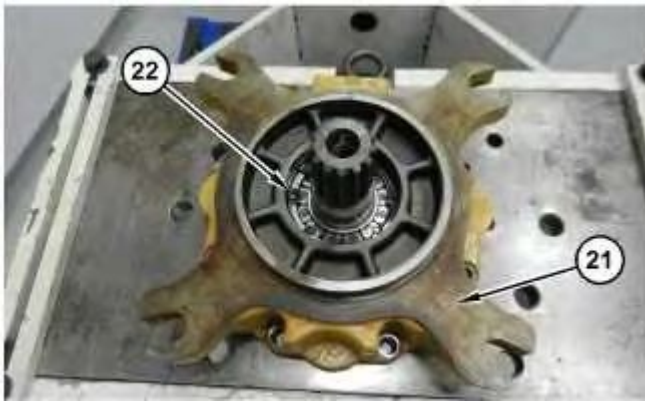


Illustration 14

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15. Use Tooling (E) to remove retaining ring (22) from front mounting flange (21).



Illustration 15

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16. Use a suitable press to remove shaft (23) from front mounting flange (21).

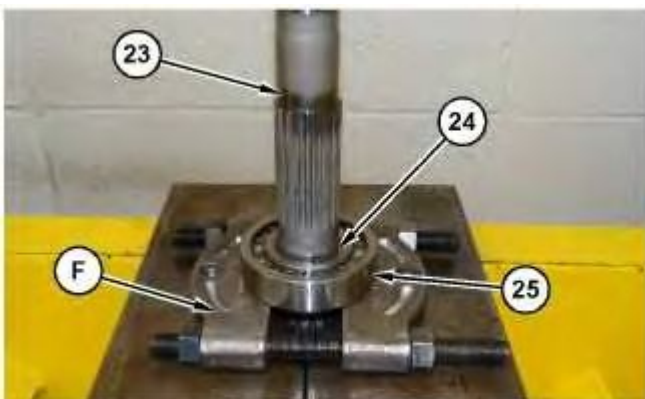


Illustration 16

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17. Remove retaining ring (24). Use Tooling (F) and a suitable press to remove bearing (25) from shaft (23).

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