



Service Repair Manual

Models

D8L TRACK-TYPE TRACTOR

Product: TRACK-TYPE TRACTOR

Model: D8L TRACK-TYPE TRACTOR 7YB

Configuration: D8L TRACTOR / POWER SHIFT / 7YB00001-01572 (MACHINE) POWERED BY 3408 ENGINE

Disassembly and Assembly 3408E and 3412E Engines for Caterpillar Built Machines

Media Number -REN2336-06

Publication Date -01/08/2018

Date Updated -10/08/2018

i02396384

Unit Injector Hydraulic Pump - Disassemble

SMCS - 1714-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	FT-2610	Driver Tube	1
B	4D-3120	Bolt	1
C	FT-2612	Bearing Removal Tool	1
D	1P-1861	Retaining Ring Pliers	1

Start By:

- a. Remove the unit injector hydraulic pump. Refer to Disassembly and Assembly, "Unit Injector Hydraulic Pump - Remove".
- b. Remove the injection actuation pressure control valve. Refer to Disassembly and Assembly, "Injection Actuation Pressure Control Valve - Remove".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

NOTICE

Do not allow dirt to enter the fuel system. Thoroughly clean the area around a fuel system component that will be disconnected. Fit a suitable cover over disconnected fuel system component.

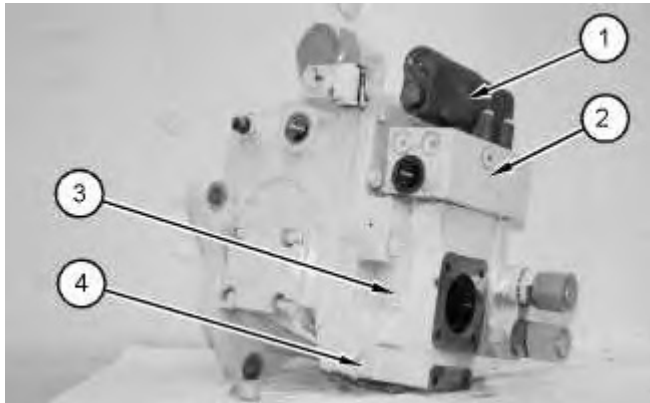


Illustration 1

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1. Remove pressure compensator valve (1).
2. Remove manifold (2).
3. Remove bolts (4) from valve block (3).

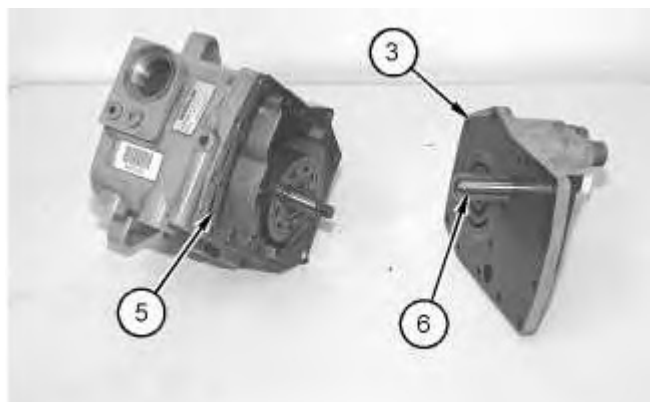


Illustration 2

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4. Remove valve block (3), control piston (6), and gasket (5).
-

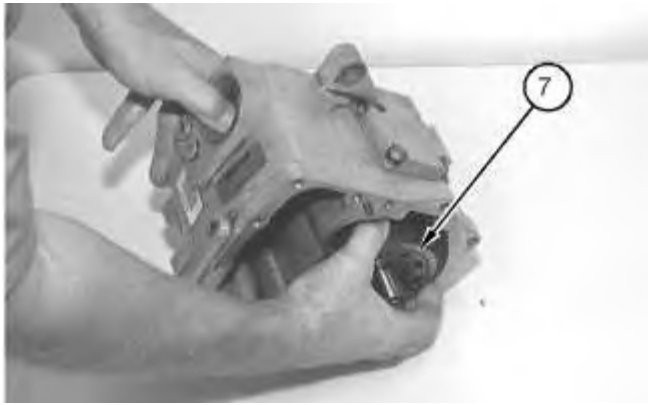


Illustration 3

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5. Remove rotating group (7). Minor twisting of the rotating group may be necessary in order to remove the rotating group.

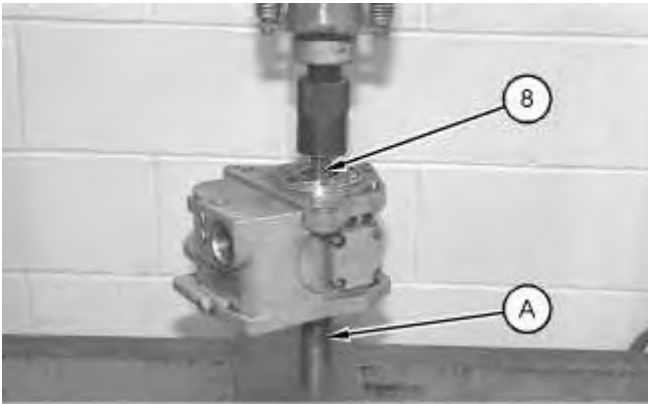


Illustration 4

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6. Install Tooling (A) in the pump group. Use a suitable press in order to remove shaft (8) from the front bearing.

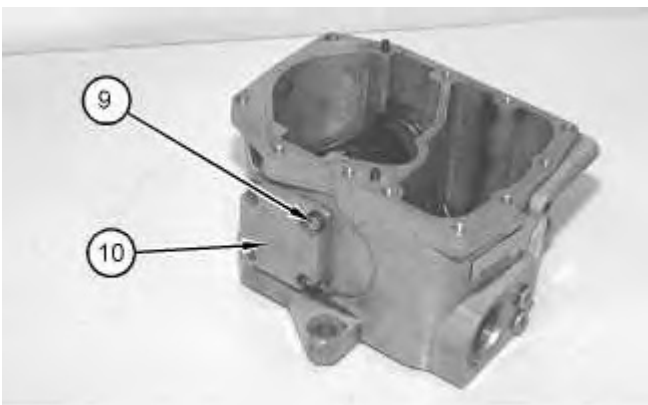


Illustration 5

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7. Remove bolts (9). Remove covers (10).

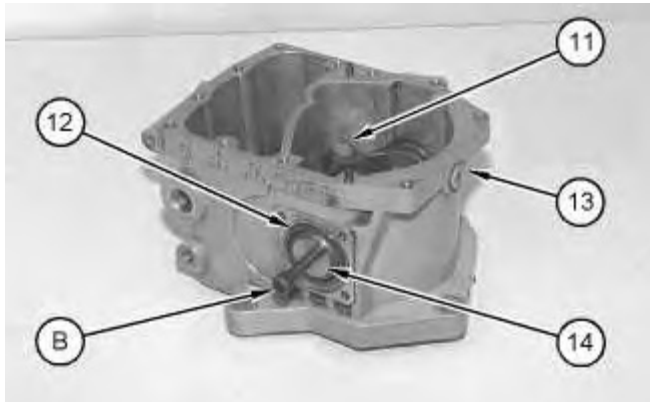


Illustration 6

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8. Remove O-ring seal (12) from pintle bearing (14) that is opposite of spring seat (11). Install Tooling (B) into the pintle bearing finger tight.
9. Remove plug (13), if necessary.
10. Tighten Tooling (B) into the pintle bearing until the pintle bearing is removed.

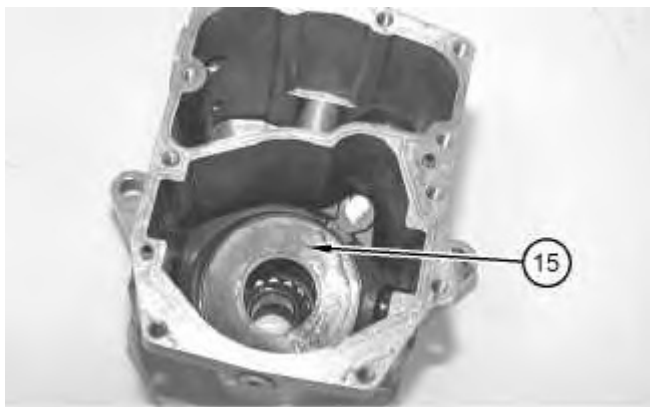


Illustration 7

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11. In order to remove the pintle bearing from the other side of the pump group, you need to hold yoke (15) firmly. Use Tooling (B) to remove the pintle bearing.
12. Remove yoke (15).



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