



Service Repair Manual

Models

247B MULTI TERRAIN LOADER

Product: MULTI TERRAIN LOADER

Model: 247B MULTI TERRAIN LOADER MTL

Configuration: 247B 257B Multi Terrain Loader MTL00001-05074 (MACHINE) POWERED BY 3024C Engine

Disassembly and Assembly 247B, 247B2, 257B and 257B2 Multi Terrain Loaders Power Train

Media Number -REN4874-05

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i02358306

Piston Pump (Hydrostatic) - Disassemble

SMCS - 5070-015-H7

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	9U-7289	Ruler	1
B	1P-1861	Retaining Ring Pliers	1
C	138-7576	Link Brackets	2
D	8T-4956	Bolts (M12 - 1.75 - 35 MM)	2
E	8T-4223	Hard Washers (13.5 - 25.5 - 3 MM THK)	2
F	1P-0510	Driver Gp	1
G	1P-1854	Retaining Ring Pliers	1
H	1U-7600	Slide Hammer Puller Gp	1
J	1P-1860	Retaining Ring Pliers	1
K	8H-0663	Bearing Puller Gp	1

Start By:

- a. Remove the piston pump. Refer to Disassembly and Assembly, "Piston Pump - Remove".

Note: The following procedure is intended for cleaning purposes only.



Illustration 1

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1. Remove the fittings and connectors (1).
2. Remove speed sensing valve (2).

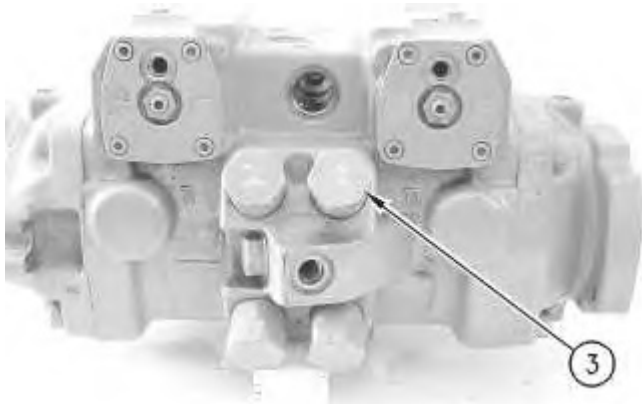


Illustration 2

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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.

3. Remove cover (3) and the spring for the crossover relief valve.



Illustration 3

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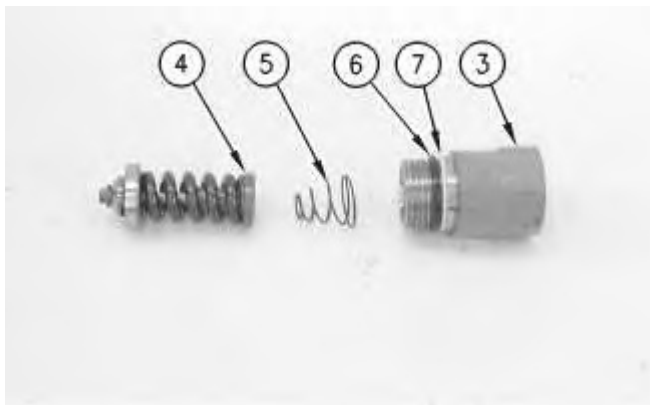


Illustration 4

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4. Remove seat (4).
5. Note the orientation of spring (5).
6. Remove O-ring seal (6) from cover (3).
7. Remove back up ring (7) from cover (3).
8. Repeat Step 3 through Step 7 for the other covers.

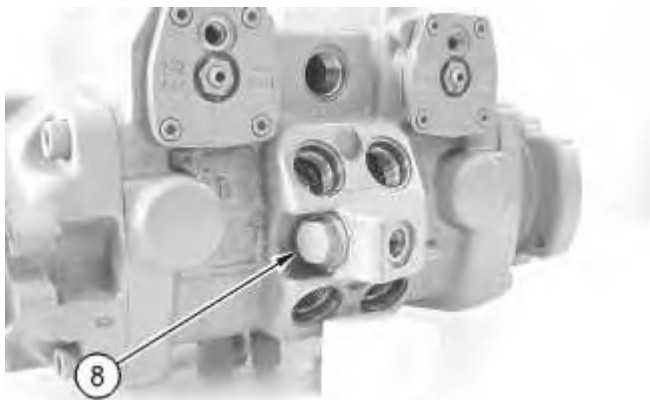


Illustration 5

g00903500

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.

9. Remove plug (8) for the charge relief valve.



Illustration 6

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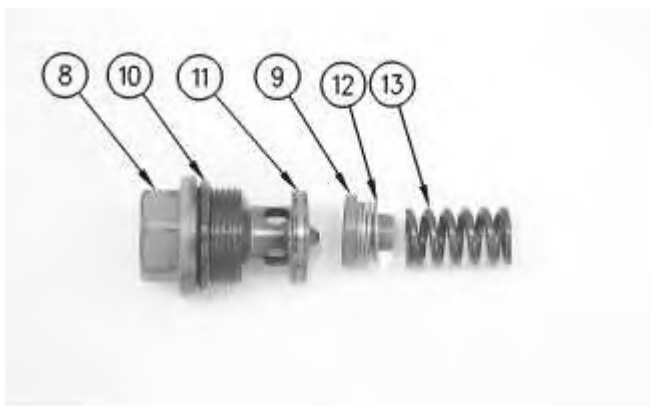


Illustration 7

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10. Remove seat (9).
11. Remove shims (12).
12. Remove spring (13).
13. Remove seal (11) from plug (8).

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