



Service Repair Manual

Models

277D MULTI TERRAIN LOADER

Product: MULTI TERRAIN LOADER

Model: 277D MULTI TERRAIN LOADER MLT

Configuration: 277D Multi Terrain Loader MLT00001-UP (MACHINE) POWERED BY C3.3B Engine

Disassembly and Assembly

C2.6 and C3.3B Engines for Caterpillar Built Machines

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i05242439

Fuel Injection Pump and Governor - Disassemble

SMCS - 1286-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	390-1150	Injection Pump Gear Puller	1
	154-6360	Bolt	1
B	8H-0663	Bearing Puller	1

Start By:

- Remove fuel injection pump and governor.

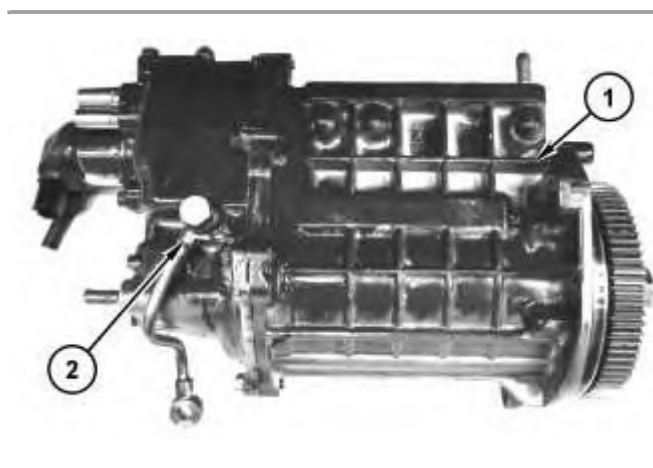


Illustration 1

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1. Inspect fuel injection pump and governor (1).
2. Remove tube (2).

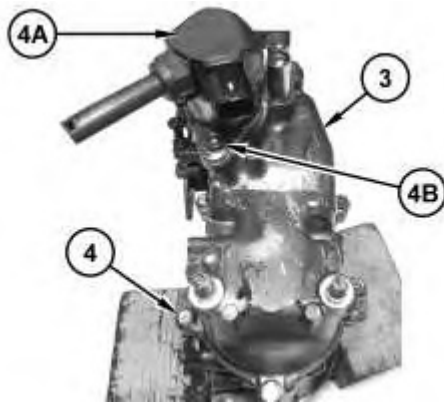


Illustration 2

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3. Use suitable blocking and position the fuel injection pump and governor. Remove bolts (4) and remove governor housing assembly (3).
4. Remove two bolts (4B) and remove stop solenoid (4A). Replace o-ring if necessary.

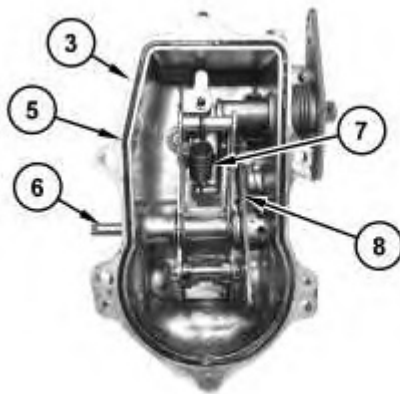


Illustration 3

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5. Remove and inspect O-ring seal (5) from governor housing assembly (3). If necessary, replace O-ring seal (5) with new.
 6. Remove shaft (6) and spring (7) from governor housing assembly (3). Remove governor lever (8).
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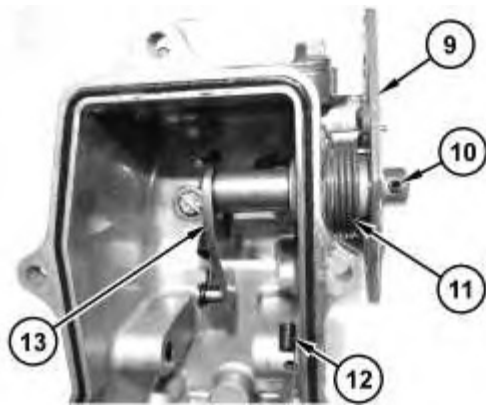


Illustration 4

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7. Remove pin (10) from governor lever assembly (12).
 8. Remove speed control lever (9) and spring (11) from governor lever assembly (12).
 9. Remove spring (13) and remove governor lever assembly (12) with the O-ring seals.
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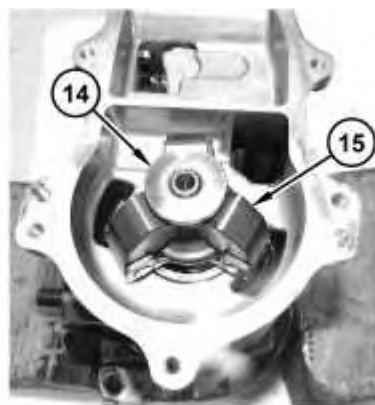


Illustration 5

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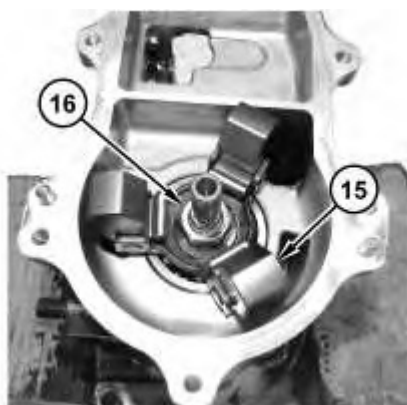


Illustration 6

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10. Remove governor sleeve (13) and nut (16). Remove governor weights (15).
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Illustration 7

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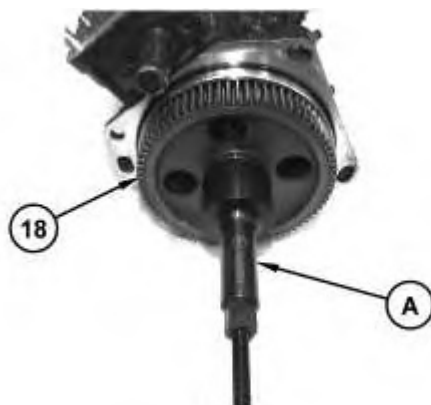


Illustration 8

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11. Remove nut (17) from gear (18).

Note: Nut (17) has reverse threads.

12. Use Tooling (A) to remove gear (18).

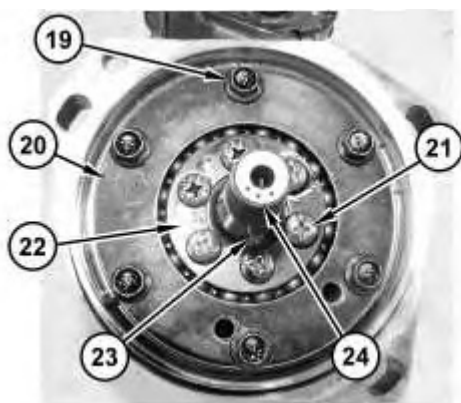


Illustration 9

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13. Remove bolts (19) and retaining plate (20).

14. Remove fuel camshaft (24) from the housing assembly.

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