



Service Repair Manual

Models

Caterpillar Cat 257D MULTI
TERRAIN LOADER

Product: MULTI TERRAIN LOADER
Model: 257D MULTI TERRAIN LOADER EML
Configuration: 257D Multi Terrain Loader EML00001-UP (MACHINE)

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

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Fuel Injection Pump and Governor - Assemble

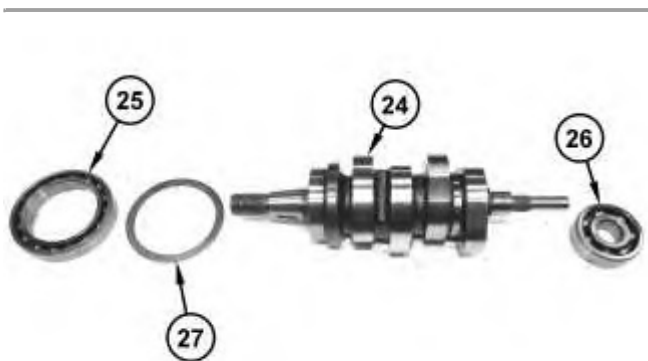
SMCS - 1286-016

Assembly 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

Note: Refer to Specification UENR0995 "Engine Design" for non-specified engine Torque Values.



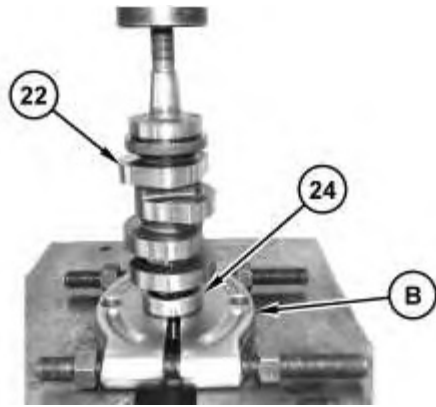


Illustration 2

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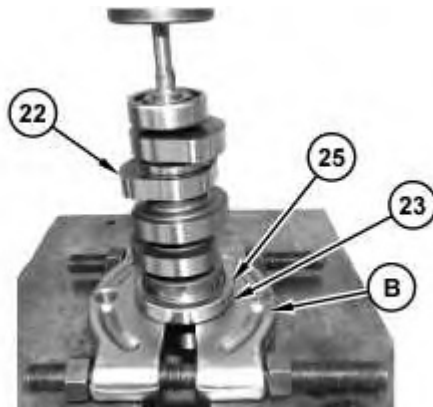


Illustration 3

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1. Use Tooling (B) and a suitable press to install bearings (26) onto fuel camshaft (24).
2. Position ring (27). Use Tooling (B) and a suitable press to install bearings (25) onto fuel camshaft (24).

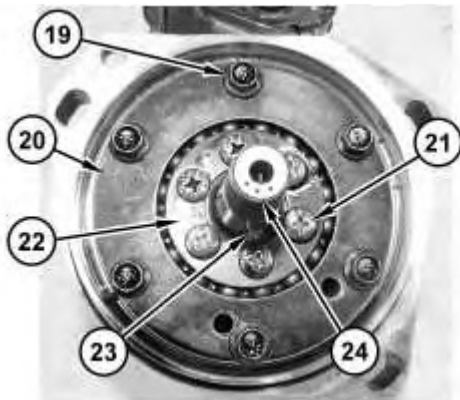


Illustration 4

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3. If necessary, replace key (23) with new. Position retaining plate (22) and install screws (21). Tighten screws (21) to a torque of 3.9 to 4.2 N·m (34.5 to 37.4 lb in).

4. Position fuel camshaft (24) in the housing assembly.
5. Position retaining plate (20) and install bolts (19). Tighten bolts (19) to a torque of 10 to 11 N·m (87 to 100 lb in).



Illustration 5

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6. Install gear (18).
7. Install nut (17) to gear (18).
8. For the C3.3B Tighten nut (17) to a torque of 138 to 156 N·m (102 to 115 lb ft).
9. For the C2.6 Tighten nut (17) to a torque of 93 to 102 N·m (69 to 75 lb ft).

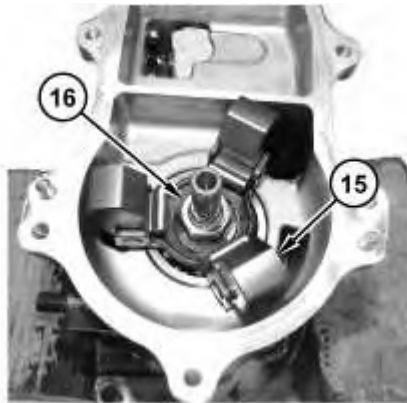


Illustration 6

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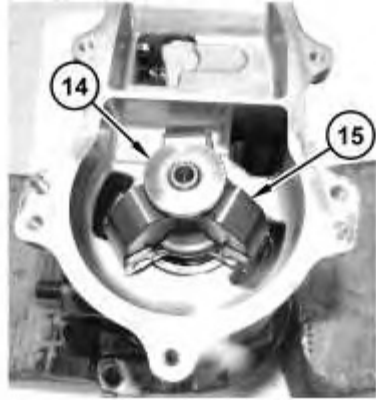


Illustration 7

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10. Position governor weights (15) and install nut (16). Tighten nut (16) to a torque of 63 to 72 N·m (47 to 53 lb ft). Install governor sleeve (14).

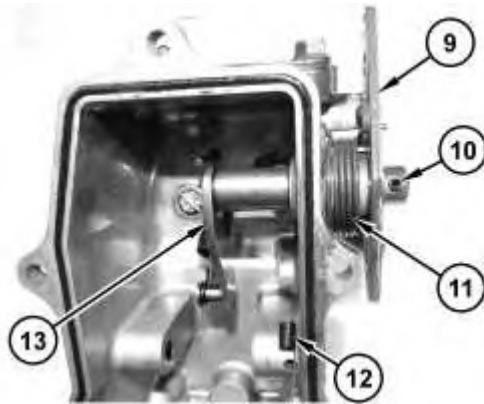
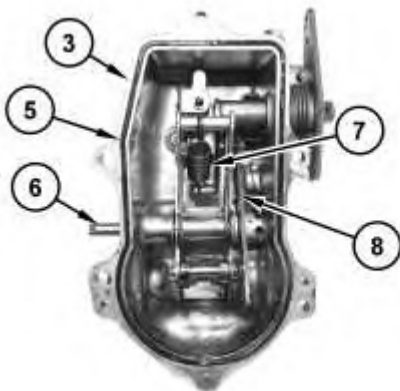


Illustration 8

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Note: Apply engine oil to all internal parts of governor.

11. Install O-ring seals on governor lever assembly (13). Position governor lever assembly (13) into the governor housing and install spring (12).
12. Install spring (11) and speed control lever (9) on governor lever assembly (13).
13. Install pin (10) into governor lever assembly (13).



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