



Service Repair Manual

Models

277C2 MULTI TERRAIN LOADER

Product: MULTI TERRAIN LOADER

Model: 277C2 MULTI TERRAIN LOADER MET

Configuration: 277C2 Multi Terrain Loader MET00001-UP (MACHINE) POWERED BY C3.4 Engine

Disassembly and Assembly

279C2 Compact Track Loader and 287C, 277C, 277C2 and 297C

Multi Terrain Loaders Power Train

Media Number -KENR5197-07

Publication Date -01/06/2014

Date Updated -10/06/2014

i07466134

Piston Pump (Hydrostatic) - Install

SMCS - 5070-012-H7

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	247-4296	Pump Removal Handle As	1
	FT-2999	Weight	2
	FT-2998	Lock Collar	2
	138-7575	Link Bracket	1
B	159-3327	Wrench Adapter ⁽¹⁾	1
	387-9124	Wrench Adapter ⁽²⁾	1
C	1P-1857	Retaining Ring Pliers	1
D	9S-3263	Thread Lock Compound	1

⁽¹⁾ For use on 21mm head bolts.

⁽²⁾ For use on 14mm head bolts.

Note: Cleanliness is an important factor. Before assembly, thoroughly clean all parts in cleaning fluid. Allow the parts to air dry. Do not use wiping cloths or rags to dry parts. Lint may be deposited on the parts which may cause trouble. Inspect all parts. If any parts are worn or damaged, use new parts for replacement. Dirt and other contaminants can damage the precision component. Perform assembly procedures on a clean work surface. Keep components covered and protected at all times.

Note: Check the O-ring seals for wear or for damage. Replace the components, if necessary.

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting, and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat[®] products.

Dispose of all fluids according to local regulations and mandates.

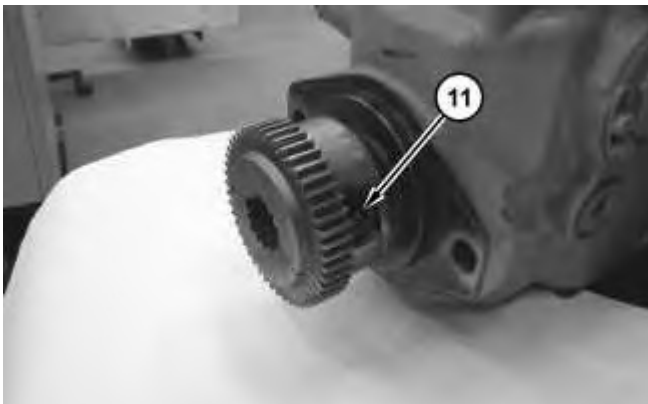


Illustration 1

g01342687

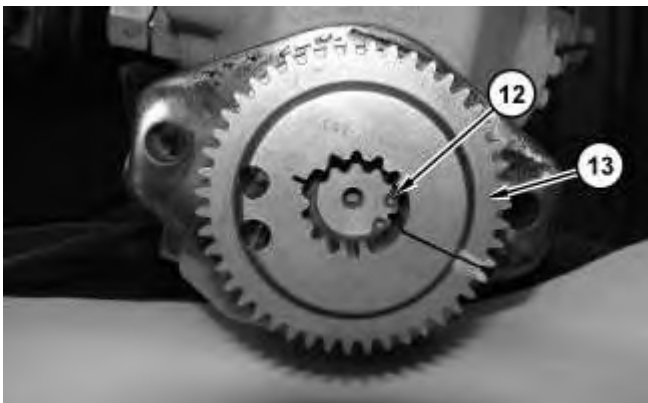


Illustration 2

g01342689

1. Install coupling (13). Use Tooling (C) to install retaining ring (12). Apply Tooling (D) to the threads of bolt (11). Install bolts (11). Tighten bolts (11) to a torque of $102 \pm 5 \text{ N}\cdot\text{m}$ ($75 \pm 4 \text{ lb ft}$).

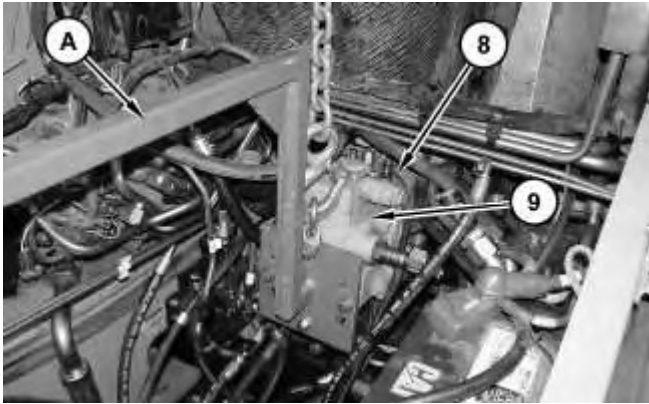


Illustration 3

g01342634

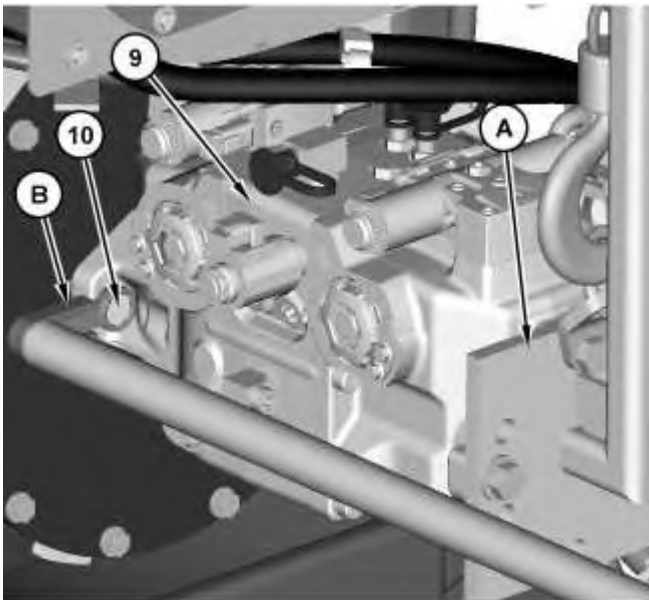


Illustration 4

g01342641

2. Attach Tooling (A) and a suitable lifting device to piston pump (9). The weight of piston pump (9) is approximately 73 kg (160 lb). Use Tooling (A) and the suitable lifting device to position piston pump (9) to the machine.

Note: Ensure that the splines are properly aligned with the engine.

3. Use Tooling (B) to install bolts (10) to piston pump (9).
 4. Connect harness assemblies (8).
-

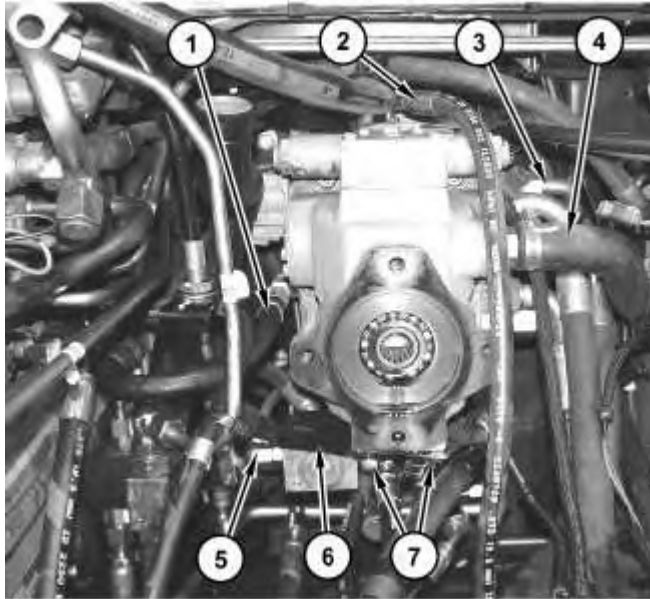


Illustration 5

g01342576

5. Position plate assembly (6) and install bolts (7).
6. Connect tube assembly (5).
7. Connect hose assembly (1).
8. Connect hose assemblies (3).
9. Connect hose (4).
10. Connect hose assembly (2).

End By:

- a. Install the high flow piston pump. Refer to Disassembly and Assembly, "Piston Pump - Install".
- b. Install the hydraulic tank. Refer to Disassembly and Assembly, "Hydraulic Tank - Install".

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com