

Product: TRACK-TYPE TRACTOR

Model: D6T TRACK-TYPE TRACTOR SMC

Configuration: D6T TRACK-TYPE TRACTOR STD, XL Differential Steering SMC00001-UP (MACHINE) POWERED BY C9 Engine

## Disassembly and Assembly D6T Track-Type Tractor Machine Systems

Media Number -KENR5130-04

Publication Date -01/09/2015

Date Updated -15/09/2015

i01850521

# Piston Pump (Steering) - Disassemble

SMCS - 4306-015-QP; 4306-015; 5070-015-ZH; 5070-015

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-0510	Driver Group	1
B	1P-1861	Retaining Ring Pliers	1
C	5P-4758	Internal Pliers	1
D	1U-7600	Slide Hammer Puller	1
E	1P-1859	Retaining Ring Pliers	1
F	1P-1857	Retaining Ring Pliers	1
G	1S-4208	Spanner Wrench	1

### Start By:

- A. Remove the hydraulic drive pump. Refer to Disassembly and Assembly, "Hydraulic Drive Pump - Remove".



**WARNING**

**Personal injury can result from hydraulic oil pressure and hot oil.**

**Hydraulic oil pressure can remain in the hydraulic system after the engine has been stopped. Serious injury can be caused if this pressure is not released before any service is done on the hydraulic system.**

**Make sure all of the work tools have been lowered to the ground, and the oil is cool before removing any components or lines. Remove the oil filler cap only when the engine is stopped, and the filler cap is cool enough to touch with your bare hand.**

---

**Note:** Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism. Dirt and contaminants can damage the components of the pump or the motor. All disassembly and assembly procedures must be performed on a clean work surface. Clean all the interior components in clean solvent. Dry all the interior components with compressed air. Plug ports and plug hoses on the machine during repair.

---

### 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, "Caterpillar Tools and Shop Products Guide" for tools and supplies suitable to collect and contain fluids on Caterpillar products.**

**Dispose of all fluids according to local regulations and mandates.**

---

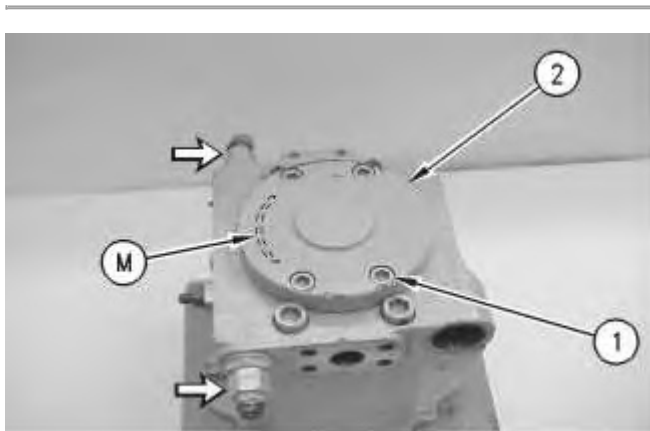


Illustration 1

g00775547

1. Remove bolts (1) and remove charge pump (2) .

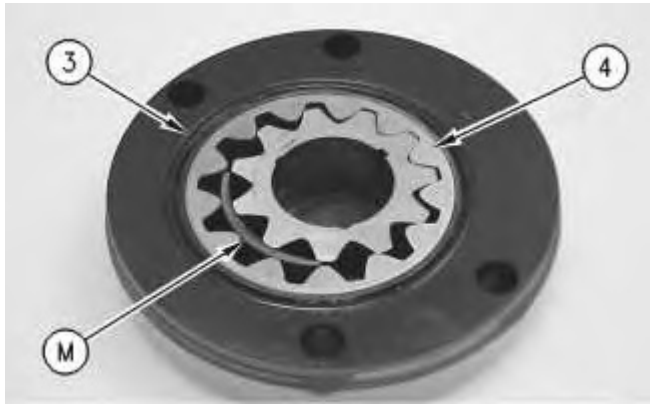


Illustration 2

g00716074

**Note:** Mark the location of the charge pump on the head assembly. Crescent (M) of gear set (4) must face toward the valves for installation purposes. The valves are indicated by arrows.

2. Remove O-ring seal (3). Remove gear set (4). Keep the gear set together in order to ensure proper installation of the gear set.



Illustration 3

g00580966

3. Remove bushing (5). Note the orientation of the bushing. The bushing must be installed in the original location.
-

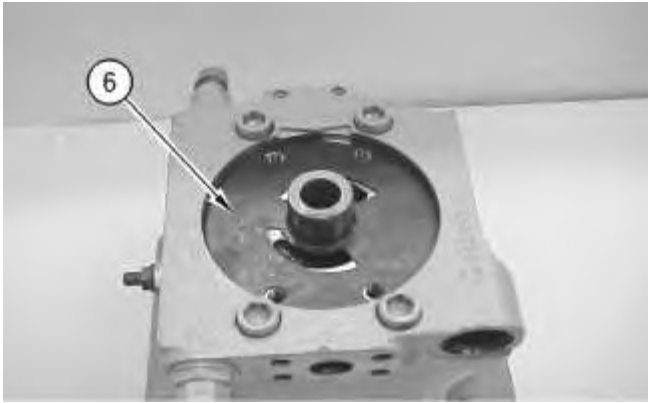


Illustration 4

g00580969

4. Remove plate (6). Note the position of the plate.

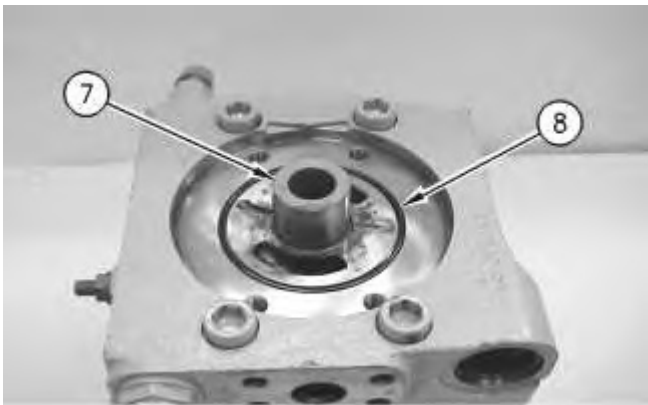


Illustration 5

g00580995

5. Remove shaft (7) and O-ring seal (8) .

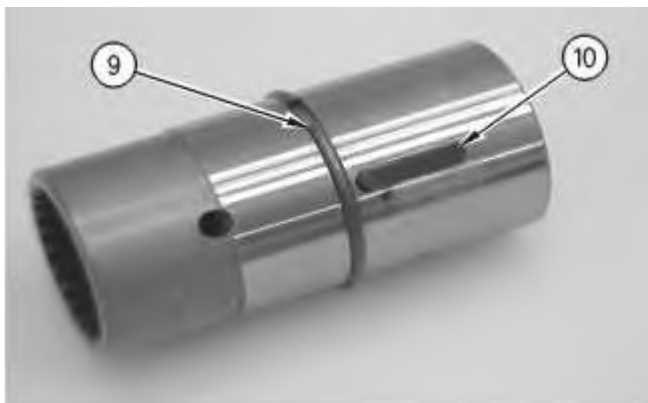


Illustration 6

g00581004

6. Remove snap ring (9) and key (10) from the shaft.

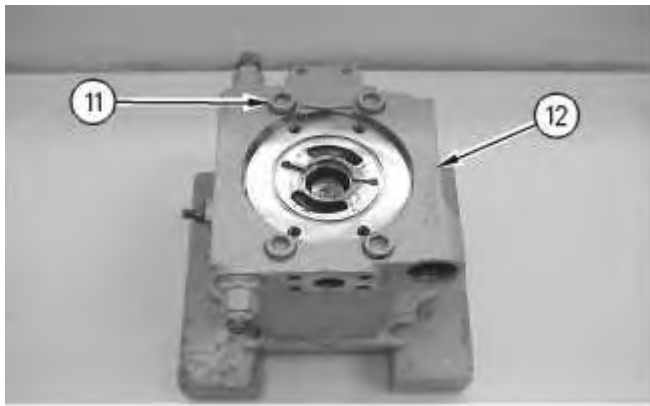


Illustration 7

g00581009

7. Remove bolts (11) and head assembly (12) .

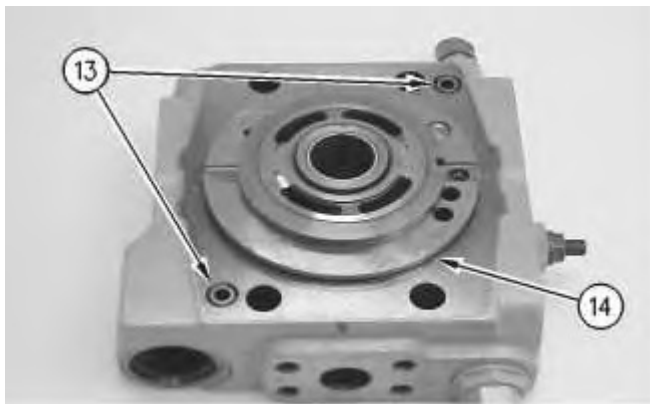


Illustration 8

g00581016

8. Remove O-ring seals (13) and (14) from the head.



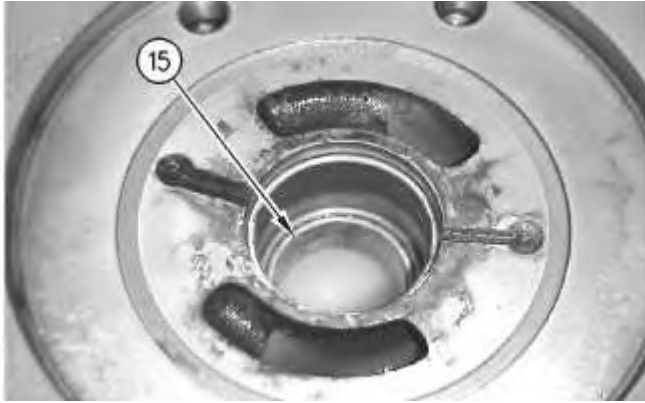


Illustration 10

9. Use Tooling (A) in order to remove bushing (15) .

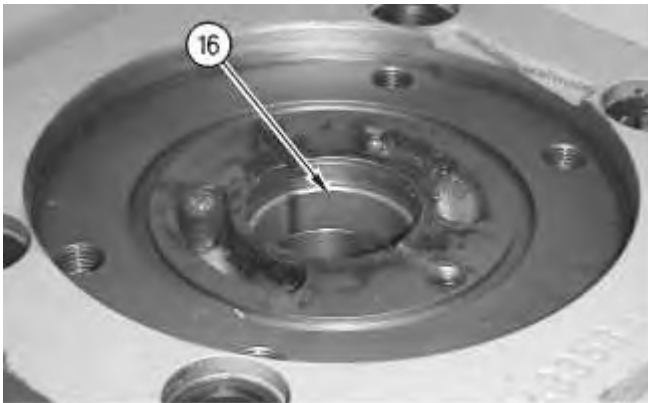


Illustration 11

10. Remove bushing (16) .

**Note:** Mark orientation of groove in bushing (16) for later installation of new bushing into the original location.

---

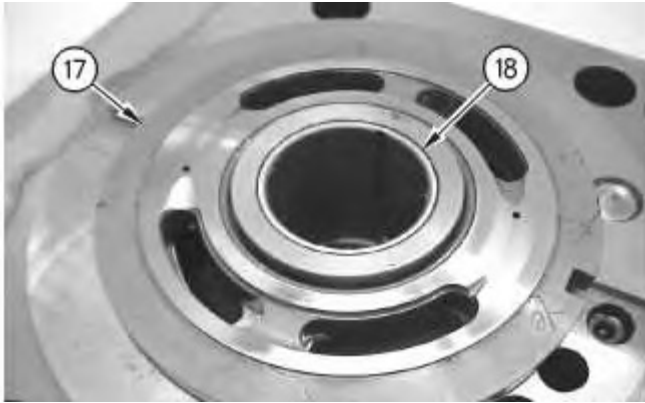


Illustration 12

g00794209

**Note:** Mark the position of the port plate for installation purposes. The groove in the port plate must face the two valves on the head assembly.

11. Remove port plate (17) and bearing (18), if necessary.

**Note:** Perform Steps 12 and 13, if equipped.



Illustration 13

g00794067

12. Remove plug assembly (19) from the head.
-

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](mailto:ebooklibonline@outlook.com)