Product: BACKHOE LOADER
Model: 416D BACKHOE LOADER BFP
Configuration: 416D Backhoe Loader BFP12900-UP (MACHINE) POWERED BY 3054C Engine

Disassembly and Assembly
416D, 420D, 424D, 428D, 430D, 432D, 438D and 442D Backhoe Loaders Power Train
Media Number -RENR3578-12 **Publication Date -01/04/2010** **Date Updated -13/04/2010**

i01380368

Transmission (Direct Drive) - Disassemble

SMCS - 3030-015-DD; 3066-015

Disassembly Procedure

Table 1

Required Tools			
Tool	**Part Number**	**Part Description**	**Qty**
A	1U-5750	Engine Stand	1
B	6V-2157	Link Bracket	1
C	9S-9152	Puller Assembly	1
C	5F-7465	Puller	1
C		3/8inch x 6inch Bolt	2
D	4C-3652	Spring Compressor	1
E	1U-6405	Puller	1
F	4C-3802	Puller	1
G	8H-0663	Puller	1
G	5F-7465	Puller	1
H	8B-7551	Puller	1
H	6V-3010	Puller	1
I	137-8102	Spring Compressor	1
J	4C-3089	Puller	1

K	1P-1859	Snap Ring Pliers	1

Start By:

A. Remove the transmission. Refer to Disassembly and Assembly, "Transmission (Direct Drive) - Remove".

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.

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.

Note: The transmission will be disassembled in major components. The major components will then be disassembled.

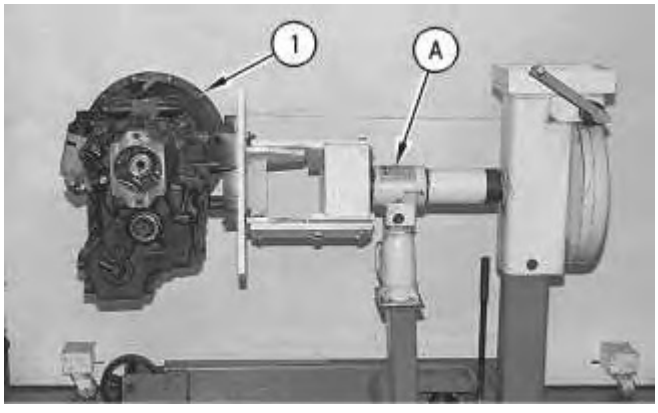

Illustration 1 g00728888

1. Install transmission (1) on tooling (A) .

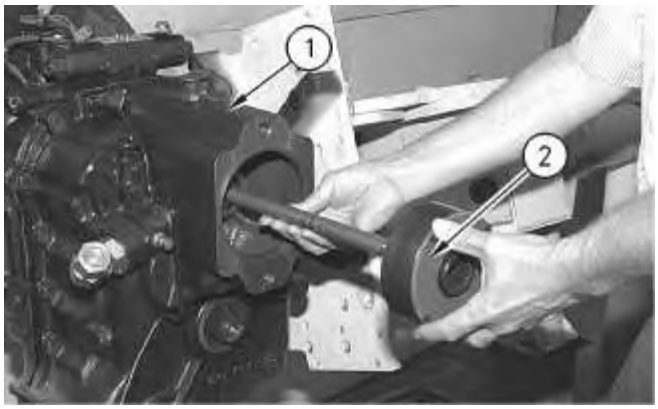

Illustration 2 g00728895

2. Remove Implement pump drive shaft (2) from transmission (1) .

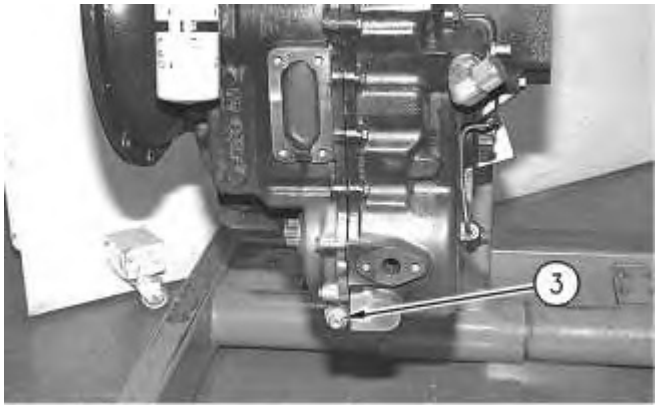

Illustration 3 g00728902

3. Remove plug (3). Drain the transmission oil into a suitable container. The capacity of the transmission is 11.3 L (3 US gal).

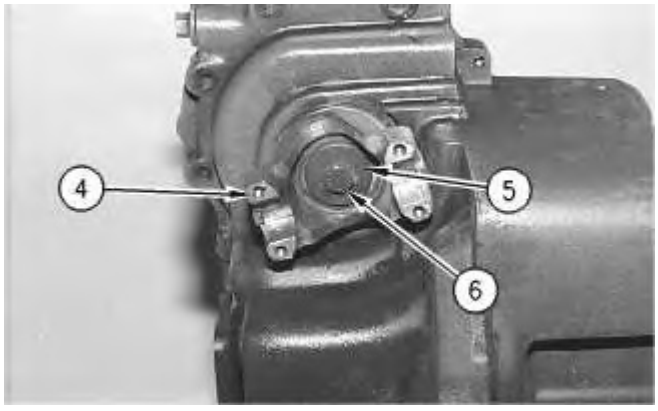

Illustration 4 g00728906

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