CATERPILLAR®

Service Repair Manual

Models

444F2 Backhoe Loader

i04776894

Transmission (Power Shift) - Disassemble

SMCS - 3030-015-PM; 3066-015

Disassembly Procedure

Table 1

Required Tools			
Tool	**Part Number**	**Part Description**	**Qty**
A	1U-7502	Transmission Repair Stand	1
B	138-7575	Link Bracket	1
C	152-7085[1]	Transmission Shaft Handler	1
	189-0409	Shackle As	1
D	1P-0074	Slide Hammer Puller Gp	1
E	8H-0663	Bearing Puller Assembly	1
	6V-3010	Puller Gp	1
	126-7177	Puller Leg	1
F	1U-6405	Three Jaw Puller	1
G	152-7055	Spring Compressor	1
H	2P-8312	Retaining Ring Pliers	1

[1] CE Compliant

Start By:

a. Remove the transmission.

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

Note: Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component must be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism.

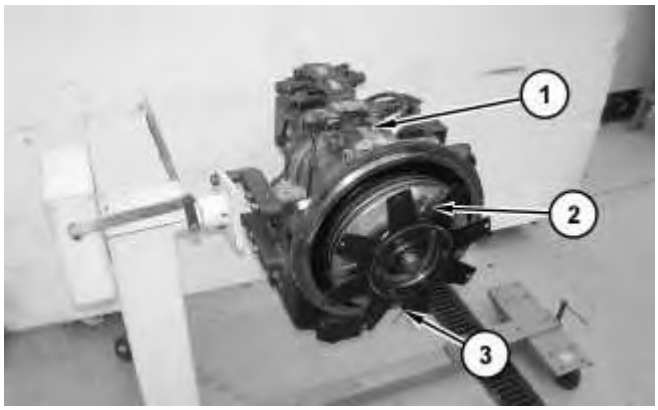

Illustration 1 g01244665

1. Use a suitable lifting device in order to mount transmission assembly (1) onto Tooling (A). The weight of transmission assembly (1) is approximately 255 kg (562 lb). Remove cable strap (3) and remove torque converter (2).

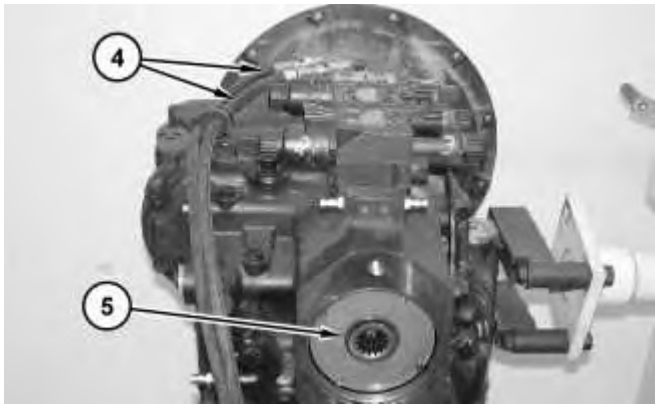

Illustration 2 g01244668

2. Remove hose assemblies (4) and coupler (5).

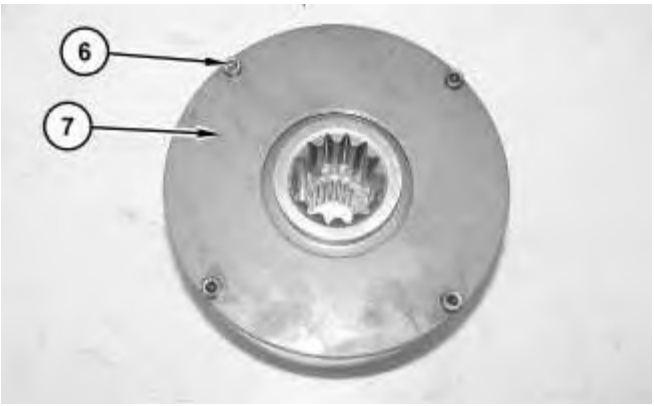

Illustration 3 g01244669

Illustration 4 g01244704

3. Remove bolts (6) and plate (7). Remove gear (8).

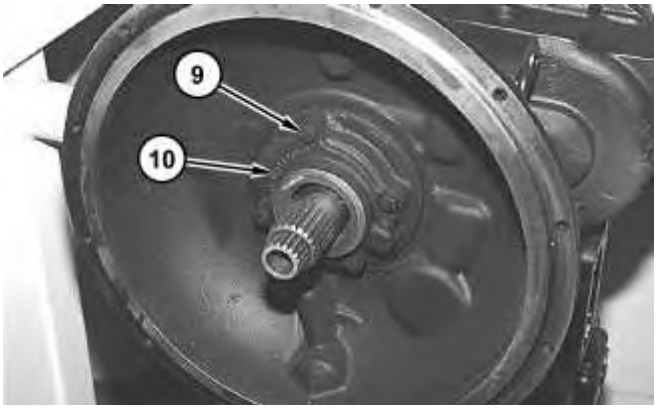

Illustration 5 g01245246

4. Remove bolts (9) and pump group (10).

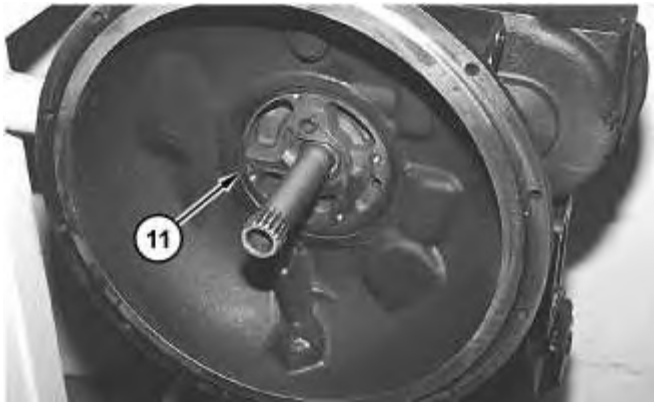

Illustration 6 g01245252

5. Remove seal (11).

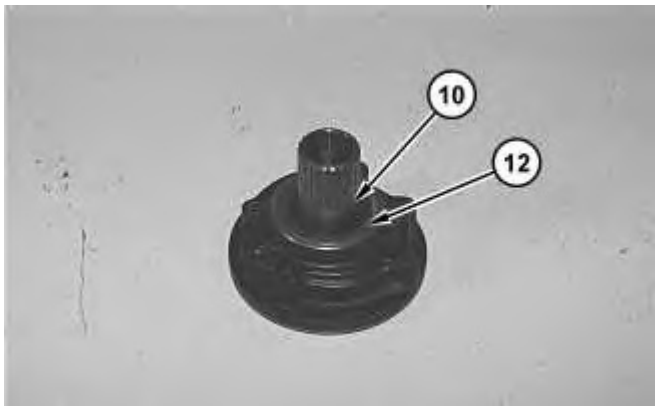

Illustration 7 g01245256

6. Remove lip seal (12) from pump group (10).

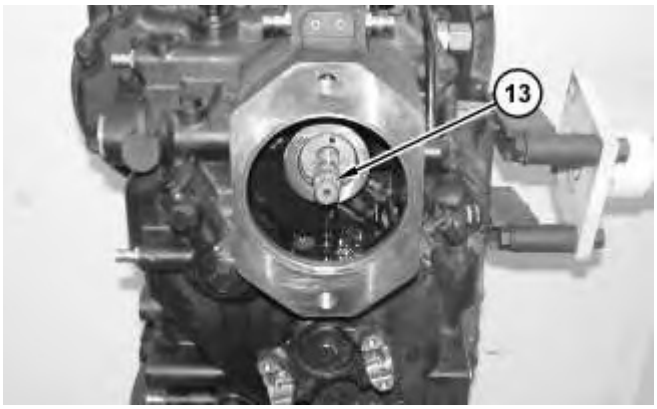

Illustration 8 g01244672

7. Slide shaft (13) from the transmission.

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