CATERPILLAR®

Service Repair Manual

Models

M314F Wheeled Excavator

Disassembly and Assembly

M314F, M316F, M318F, M320F and M322F Wheeled Excavator Power Train

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i06214408

Axle - Remove and Install - Rear Axle

SMCS - 3278-010; 3282-010

Removal Procedure

Table 1

Required Tools			
Tool	**Part Number**	**Part Description**	**Qty**
A	380-5719	Hydraulic Jack	1

Start By:

a. Remove the travel motor.

b. Remove the rear tires and rims.

1. Drain the oil from the rear axle into a suitable container for storage or disposal. Refer to Operation and Maintenance Manual, "Axle Oil (Rear) - Change".
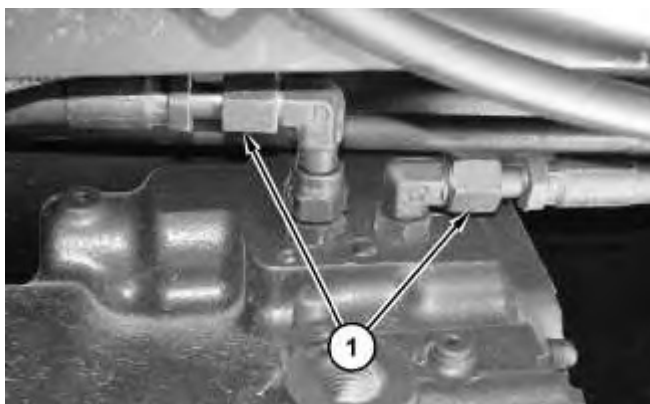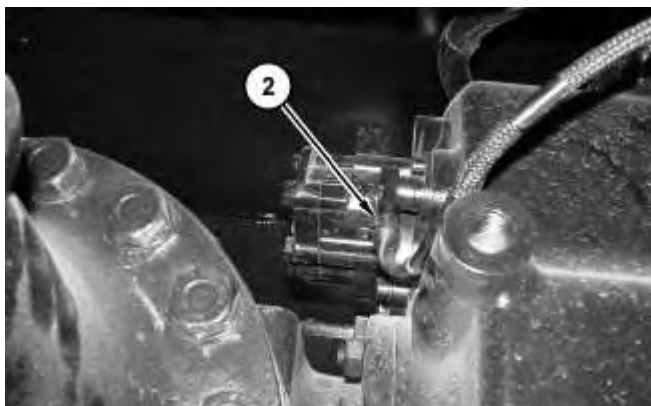

Illustration 1   g01175091

2. Disconnect hose assemblies (1).

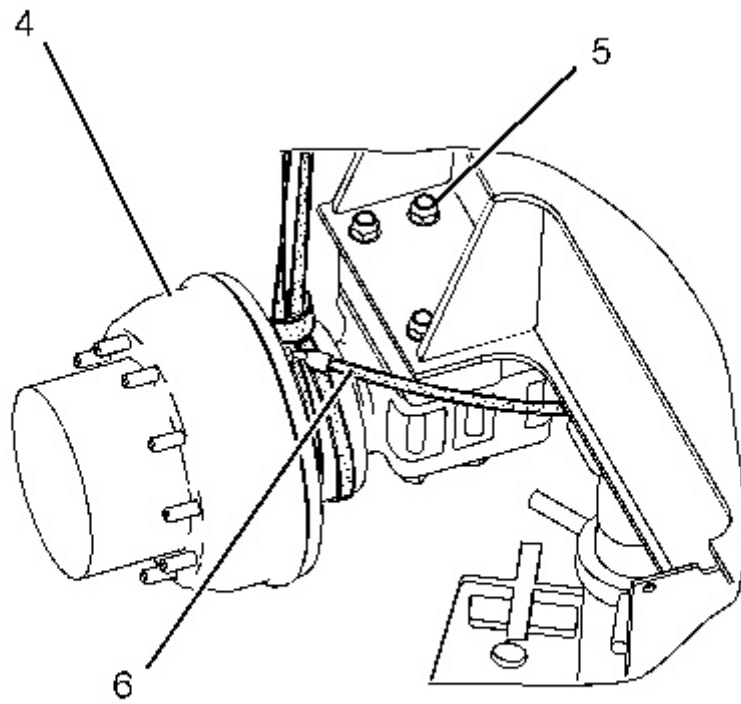Illustration 2   g01175093

3. Disconnect harness assembly (2).

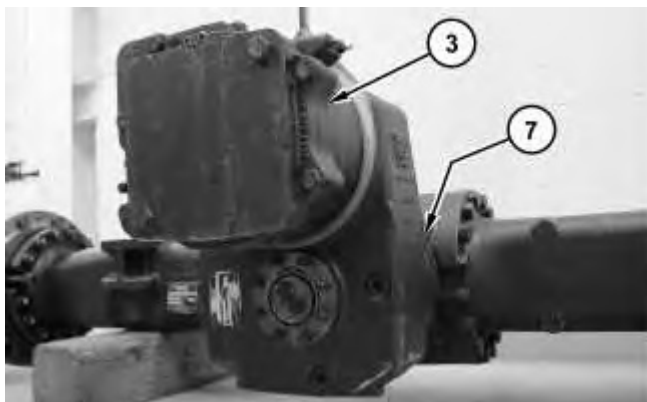Illustration 3   g01175096

g01316583

4. Position Tooling (A) below transmission (3).

5. Disconnect hose assembly (6).

6. Attach a suitable lifting device to rear axle (4). The weight of rear axle (4) and transmission (3) is approximately 794 kg (1750 lb).

7. Remove nuts (5) and carefully remove rear axle (4) and transmission (3) from the machine.

Illustration 5 g01316587

8. Attach a suitable lifting device to transmission (3). The weight of transmission (3) is approximately 136 kg (300 lb).

9. Remove bolts (7) and transmission (3).

Installation Procedure

1. Install rear axle (4) in the reverse order of removal.

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