



Service Repair Manual

Models

735B ARTICULATED TRUCK

Product: ARTICULATED TRUCK

Model: 735B ARTICULATED TRUCK T4P

Configuration: 735B Articulated Truck T4P00001-UP (MACHINE) POWERED BY C15 Engine

Disassembly and Assembly

735B, 740B and 740B EJECTOR Articulated Trucks Power Train

Media Number -UENR0207-03

Publication Date -01/06/2015

Date Updated -08/05/2017

i04400081

Main Drive Shaft - Remove and Install

SMCS - 3175-010; 3253-010-MV

Removal Procedure

1. Apply the parking brake.
2. Tilt the cab.
3. Turn the battery disconnect switch to the OFF position.

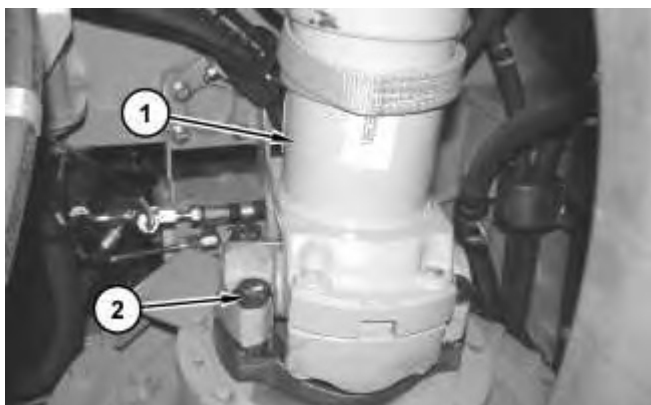


Illustration 1

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Illustration 2

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4. Attach a suitable lifting device to center drive shaft (1). The weight of center drive shaft (1) is approximately 60 kg (132 lb). The suitable lifting device should be positioned between cab (3) and radiator (4).
5. Remove bolts (2) and lower center drive shaft (1) to the ground.

Installation Procedure

1. Install drive shaft (1) in the reverse order of removal.
 - a. Tighten bolts (2) to a torque of $270 \pm 40 \text{ N}\cdot\text{m}$ ($200 \pm 30 \text{ lb ft}$).

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Front Drive Shaft - Remove and Install

SMCS - 3253-010-FR

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	8S-7610	Base	1
	8S-7650	Cylinder	1
	3S-6224	Electric Hydraulic Pump Gp	1
	8S-7615	Pin	1

Start By:

- Install the steering frame lock.



WARNING

Personal injury can result from driveline torque windup under load.

Unequal wheel speed can result in driveline torque windup which can cause driveline components to be under load during disassembly.

Relieve the driveline torque windup before disassembly.

-
- Turn the battery disconnect switch to the OFF position.



Illustration 1

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2. Use Tooling (A) in order to raise the front axle until one of the wheels clears the ground. This will release the driveline torque windup in the front axle. Remove Tooling (A).

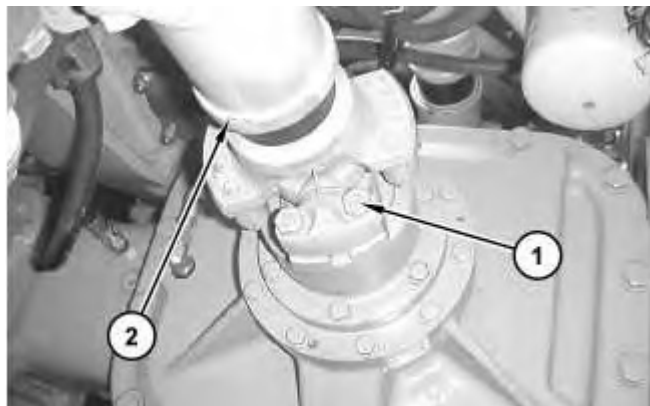


Illustration 2

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3. Remove bolts (1) in order to disconnect drive shaft (2) from the front axle.

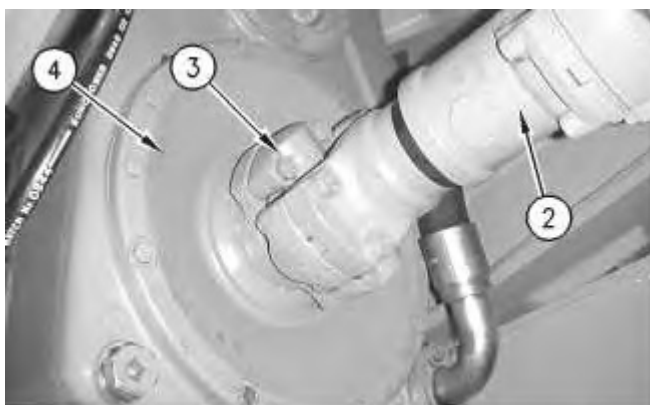


Illustration 3

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4. Remove bolts (3) in order to disconnect drive shaft (2) from output transfer gear (4).

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