



Service Repair Manual

Models

735C ARTICULATED TRUCK

Product: ARTICULATED TRUCK

Model: 735C ARTICULATED TRUCK TFJ

Configuration: 735C Articulated Truck TFJ00001-UP (MACHINE) POWERED BY C15 Engine

Disassembly and Assembly 735C, 740C EJECTOR and 745C Articulated Trucks Power Train

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i06222650

Hitch Drive Shaft Bearings - Install

SMCS - 3253-012-BD

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-0520	Driver Group	1
B	136-1452	Internal Tip Pliers	1
C	5P-0960	Grease Cartridge	1
D	5P-3931	Anti-Seize Compound	1

Note: The machine has the ability to split, ensure wheel chocks are in place.

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



Illustration 1

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1. Install O-ring seal (21) onto bearing carrier (8).
2. Use Tooling (A) in order to install new lip seal (20) into the bearing carrier (8). Fill in 1/3 of the cavity bearing carrier (8) with Tooling (C) in order to lubricate lip seal (20).



Illustration 2

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View from the hitch area.

3. Position bearing carrier (8) onto the hitch tube. Install bolts (19) in order to connect bearing carrier (8) to the hitch tube.

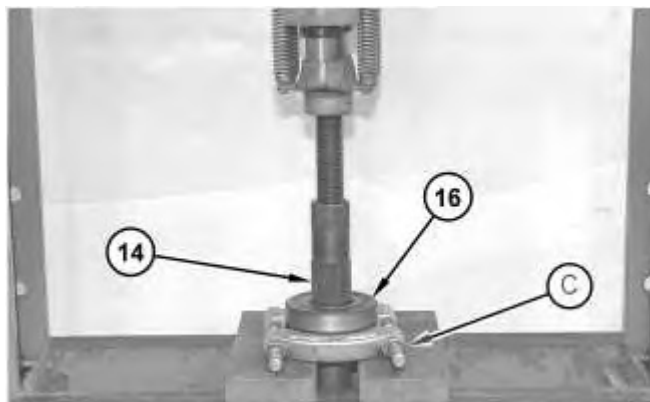


Illustration 3

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4. Raise the temperature of bearing (16) in order to install bearing (16) onto hitch drive shaft (14). Turn over hitch drive shaft (14) and install retaining ring (15) that is used to secure bearing (16) to bearing carrier (4) in step 6. Repeat the procedure in order to install the bearing onto the opposite end of the hitch drive shaft (14).

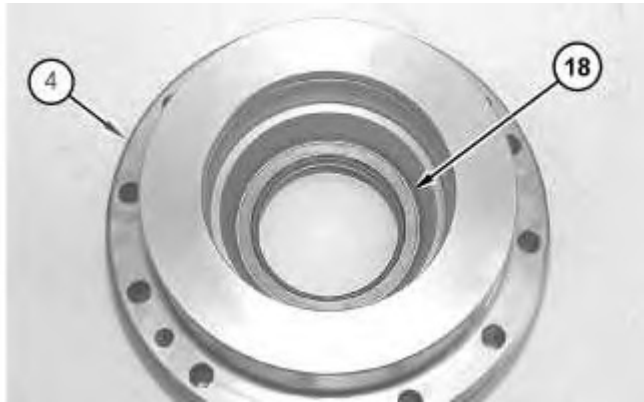


Illustration 4

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5. Use Tooling (A) in order to install new lip seal (18) into bearing carrier (4). Fill in 1/3 of the cavity bearing carrier (4) with Tooling (C) in order to lubricate lip seal (18).



Illustration 5

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6. Install O-ring seal (17) onto bearing carrier (4). Install hitch drive shaft (14) and roller bearing (16) into bearing carrier (4). Use Tooling (B) in order to install retaining ring (15) into bearing carrier (4).
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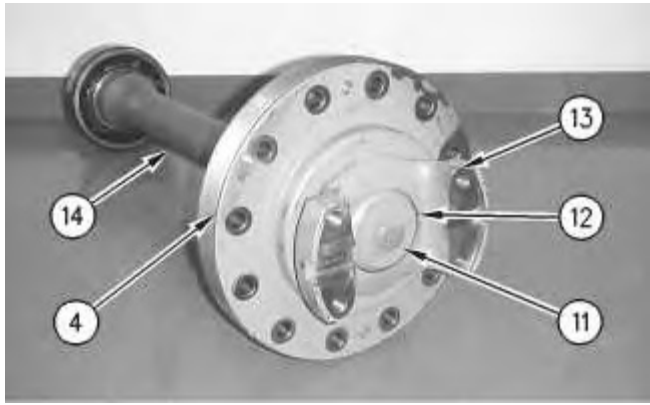


Illustration 6

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7. Coat the splines at the end of hitch drive shaft (14) with grease. Install shaft yoke (13) and the O-ring seal onto hitch drive shaft (14). Install bolt (11) and washer (12) in order to secure shaft yoke (13) to the bearing carrier (4) and the hitch drive shaft (14).

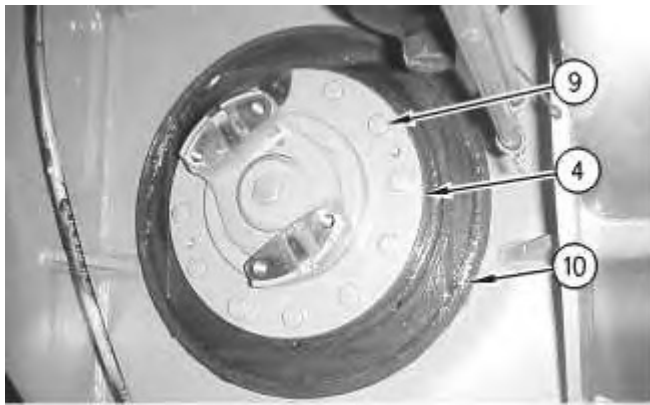


Illustration 7

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Typical Example

View from the underside of the rear frame.

8. Use two people in order to install bearing carrier (4) and hitch drive shaft (14) to the hitch tube. The weight of bearing carrier (4) and hitch drive shaft (14) is approximately 45 kg (100 lb).
9. Install bolts (9) in order to secure bearing carrier (4) to the hitch tube.
Note: Ensure that the two remaining bolt holes in the bearing carrier are adjacent to each other for installation of the locking plate in step 13.
10. Note the orientation of lip seal (10), and install lip seal (10) onto bearing housing (4).

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