



# Service Repair Manual

## **Models**

# 740C Ejector Articulated Truck

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Product: ARTICULATED TRUCK

Model: 740C ARTICULATED TRUCK TFN

Configuration: 740C Ejector Articulated Truck TFN00001-UP (MACHINE) POWERED BY C18 Engine

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

Media Number -UENR4227-04

Publication Date -01/09/2015

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i06222300

# Hitch Drive Shaft Bearings - Remove

SMCS - 3253-011-BD

## Removal Procedure

Table 1

| Required Tools |             |                     |     |
|----------------|-------------|---------------------|-----|
| Tool           | Part Number | Part Description    | Qty |
| A              | 154-6182    | Forcing Bolt        | 2   |
| B              | 136-1452    | Internal Tip Pliers | 1   |
| C              | 8B-7551     | Bearing Puller Gp   | 1   |
| D              | 154-6181    | Forcing Bolt        | 2   |
| E              | 4C-3085     | Two Jaw Puller      | 1   |

### Start By:

- a. Remove the center drive shaft.
- b. Remove the hitch drive shaft.



**WARNING**

**Personal injury or death can result from machine articulation or movement.**

**Machine frames can move and a person can be crushed.**

**Connect the steering frame lock link between the front and rear frames before working on machine.**

**Do not disconnect the lock link until the machine is made operational and the commissioning procedure is completed.**

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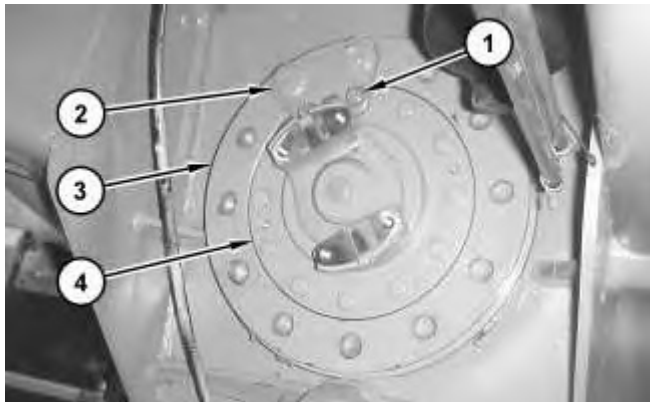


Illustration 1

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Typical Example

View from the underside of the rear frame.

1. Remove bolts (1) in order to remove locking plate (2) from thrust flange (3) and bearing carrier (4).

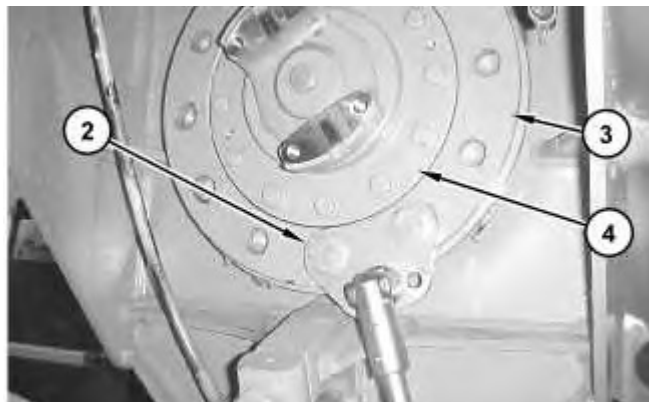


Illustration 2

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Typical Example

2. Turn over locking plate (2) and position the dowels on locking plate (2) into the holes in thrust flange (3). Insert a suitable 3/4 inch breaker bar into the locking plate in order to turn the thrust flange counterclockwise and remove thrust flange (3) from bearing carrier (4).
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Illustration 3

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View from the hitch area.

3. Remove bolt (5) and washer (6) in order to remove shaft yoke (7) and the O-ring seal from bearing carrier (8) and the hitch drive shaft.

**Note:** If necessary, use Tooling (E) in order to remove shaft yoke (7).

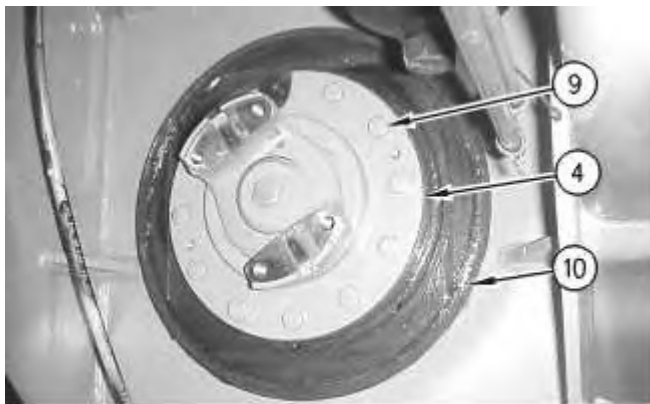


Illustration 4

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**Note:** The machine has the ability to split with the hitch shaft removed. Ensure wheel chocks are in place.

4. Remove bolts (9) in order to disconnect bearing carrier (4) from the hitch tube. Install Tooling (A) into the threaded holes in bearing carrier (4) in order to force bearing carrier (4) from the hitch tube. Use two people in order to remove bearing carrier (4) and the hitch drive shaft from the machine. The weight of bearing carrier (4) and the hitch drive shaft is approximately 45 kg (100 lb).
5. Remove lip seal (10) from the bearing housing.

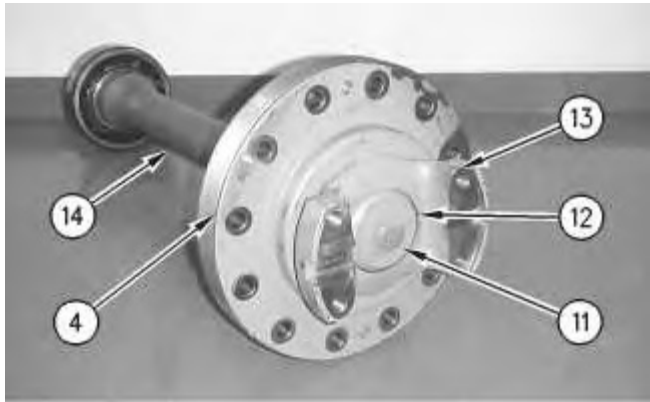


Illustration 5

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6. Remove bolt (11) and washer (12) in order to remove shaft yoke (13) and the O-ring seal from bearing carrier (4) and hitch drive shaft (14).

**Note:** If necessary, use Tooling (E) in order to remove shaft yoke (13).



Illustration 6

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7. Use Tooling (B) in order to remove retaining ring (15). Remove bearing (16) and hitch drive shaft (14) from bearing carrier (4). Remove O-ring seal (17) from bearing carrier (4).



Illustration 7

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