



# Service Repair Manual

## **Models**

# 745 Articulated Truck

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Product: ARTICULATED TRUCK

Model: 745 ARTICULATED TRUCK 3T6

Configuration: 745 Articulated Truck 3T600001-UP (MACHINE) POWERED BY C18 Engine

## Disassembly and Assembly

### 740 GC, 740 Ejector, 745 Articulated Truck Machine System

Media Number -M0082510-04

Publication Date -01/09/2015

Date Updated -23/08/2018

i06262669

## Front Suspension Frame - Remove and Install

SMCS - 7050-010-FR; 7200-010-FR

### Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	334-8414	Plate Assembly	1
	5P-5264	Bolt1 1/2 in - 12 UNF	1
B	1P-2322	Combination Puller	1
	5P-7377	Step Plate	1
C	1U-9745	Air/Hydraulic Jack Gp	2
D	386-6031	Lever Puller Hoist	2

#### Start By:

- Remove the stabilizer rod for the front axle.



**WARNING**

**Personal injury or death can result from improper lifting or blocking.**

**When a hoist or jack is used to lift any part or component, stand clear of the area. Be sure the hoist or jack has the correct capacity to lift a component. Install blocks or stands before performance of any work under a heavy component.**

**Approximate weights of the components are shown. Clean all surfaces where parts are to be installed.**

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Illustration 1

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1. Disconnect grease hose assembly (1). Remove clip (2).

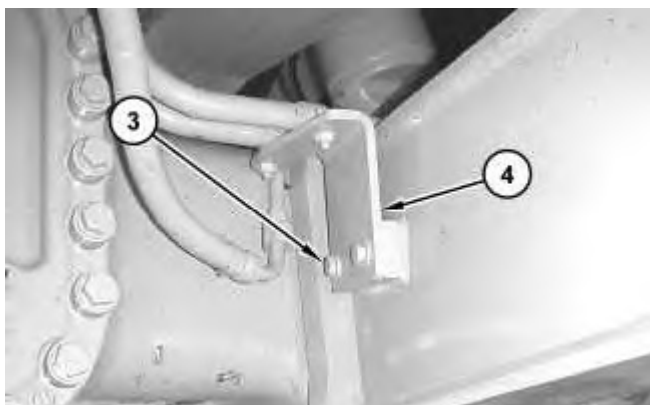
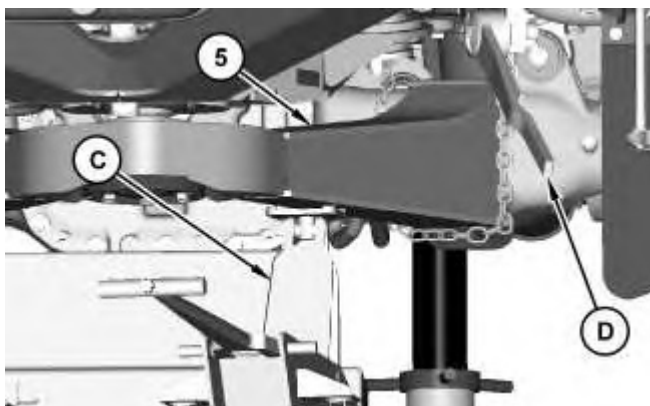


Illustration 2

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2. Remove bolts (3) in order to disconnect bracket (4). Repeat this Step for the opposite side.



3. Position suitable blocking under the front axle.
4. Use Tooling (C) and Tooling (D) in order to support front suspension frame (5) on both sides. The weight of front suspension frame (5) is approximately 248 kg (545 lb).

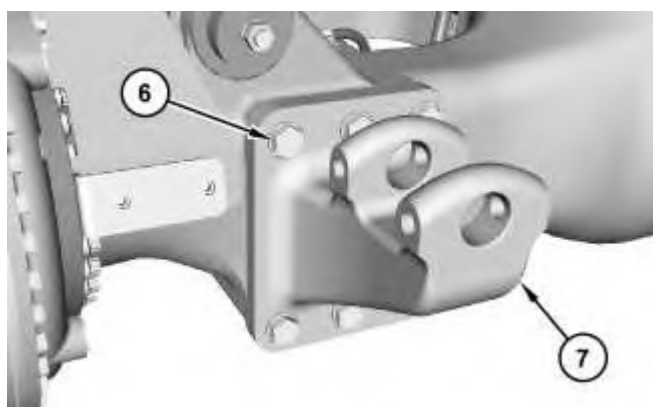


Illustration 4

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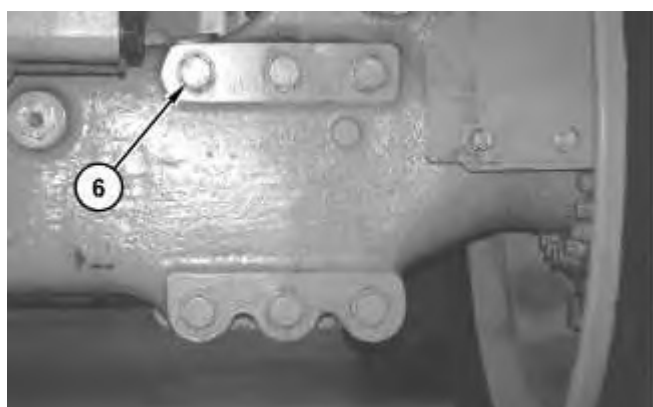


Illustration 5

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5. Remove bolts (6) in order to disconnect bracket (7) and the axle from the front suspension frame. Use two people in order to remove bracket (7). The weight of bracket (7) is approximately 35 kg (76 lb).
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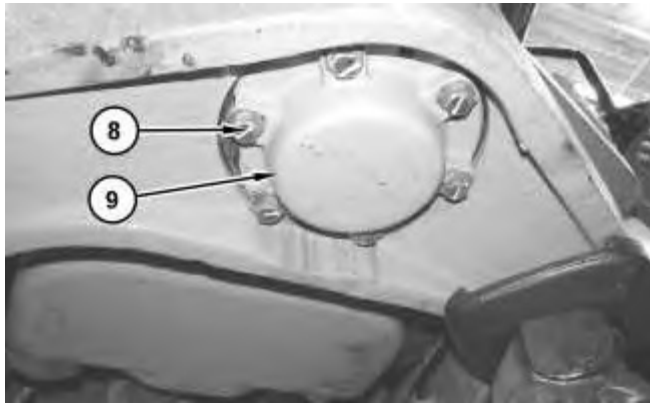


Illustration 6

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6. Remove bolts (8) in order to remove retaining collar (9).

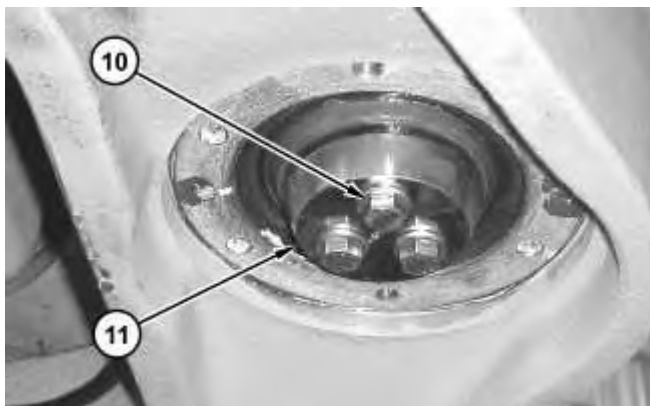


Illustration 7

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7. Remove bolts (10) in order to remove washer (11).



Illustration 8

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8. Use Tooling (A) in order to apply force onto the tapered pin that locates the head of the front suspension frame. Use a suitable hammer and strike the head of the front suspension frame in order to release the frame from the tapered pin.

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