



# Service Repair Manual

## **Models**

# 740 GC ARTICULATED TRUCK

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Product: ARTICULATED TRUCK

Model: 740 GC ARTICULATED TRUCK 3T8

Configuration: 740 Articulated Truck 3T800001-UP (MACHINE) POWERED BY C15 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

i06247808

## Gear Pump (Hydraulic Fan) - Remove and Install

SMCS - 1387-010-GT; 5073-010-HFN

### Removal Procedure

#### Start By:

- a. Remove the fuel transfer pump. Refer to Disassembly and Assembly, "Fuel Transfer Pump - Remove and Install".



**WARNING**

**Personal injury can result from hydraulic oil pressure and hot oil.**

**Hydraulic oil pressure can remain in the hydraulic system after the engine has been stopped. Serious injury can be caused if this pressure is not released before any service is done on the hydraulic system.**

**Make sure all of the attachments have been lowered, oil is cool before removing any components or lines. Remove the oil filler cap only when the engine is stopped, and the filler cap is cool enough to touch with your bare hand.**

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### NOTICE

**Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting, and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.**

Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat<sup>®</sup> products.

Dispose of all fluids according to local regulations and mandates.

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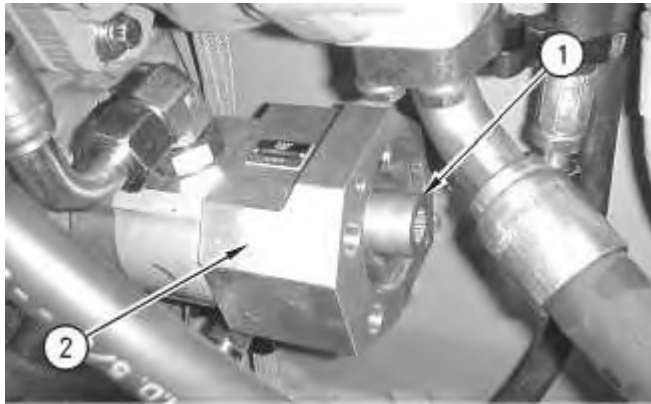


Illustration 1

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1. Remove coupling (1) from gear pump (2).
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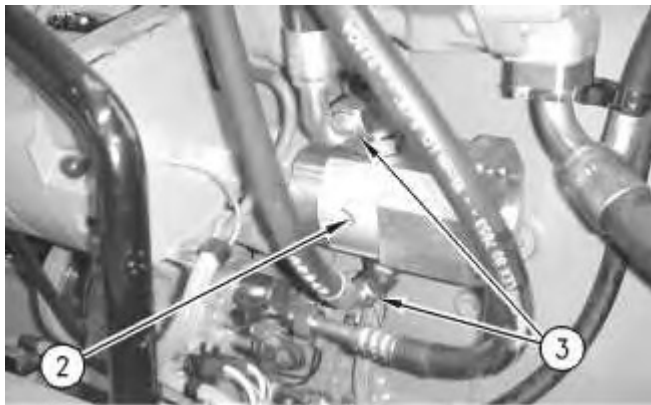


Illustration 2

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2. Disconnect two hoses (3) from gear pump (2) and lay the hoses aside.
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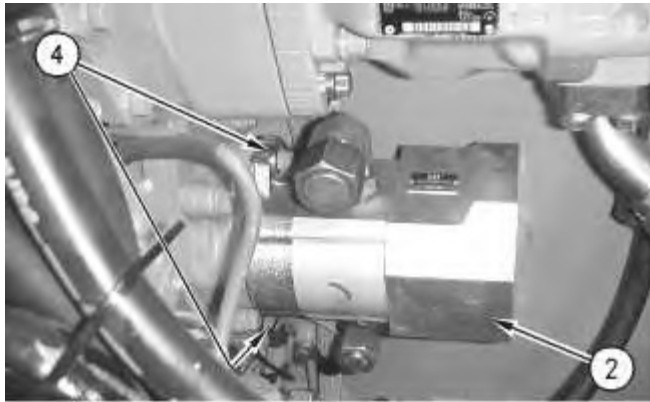


Illustration 3

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3. Remove two bolts (4) and the washers in order to remove gear pump (2) from the machine.



Illustration 4

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4. Remove O-ring seal (5) from gear pump (2).

## Installation Procedure

1. Install gear pump (2) in the reverse order of removal.

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Media Number -M0082510-04

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i06247935

# Gear Pump (Hydraulic Fan) - Disassemble

SMCS - 1387-015-GT; 5073-015-HFN

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-1857	Retaining Ring Pliers	1

### Start By:

- a. Remove the gear pump (Hydraulic Fan). Refer to Disassembly and Assembly, "Gear Pump (Hydraulic Fan) - Remove and Install".

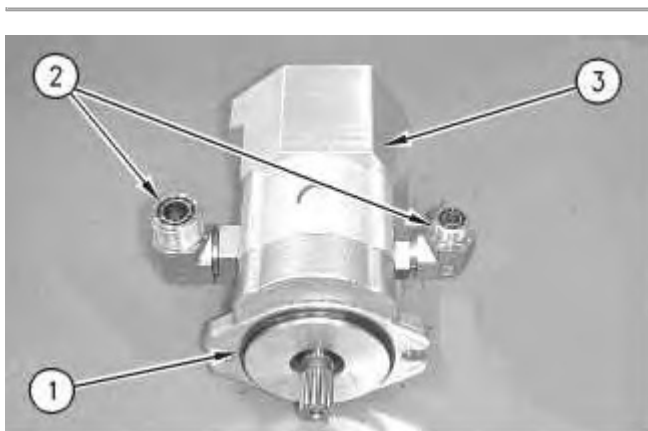


Illustration 1

g00802101

1. Remove O-ring seal (1) and two elbows (2) from gear pump (3).

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