



# Service Repair Manual

## **Models**

# 24H Motor Grader

---

Product: MOTOR GRADER

Model: 24H MOTOR GRADER 7KK

Configuration: 24H Motor Grader 7KK00001-UP (MACHINE) POWERED BY 3412E Engine

## Disassembly and Assembly 3408E and 3412E Engines for Caterpillar Built Machines

Media Number -SEN1013-11

Publication Date -01/07/2015

Date Updated -22/08/2016

i01095415

## Engine Support (Front) - Remove and Install

SMCS - 1154-010-FR

### Removal Procedure

#### Start By:

- a. Remove the crankshaft vibration damper. Refer to Disassembly and Assembly, "Vibration Damper and Pulley - Remove and Install".

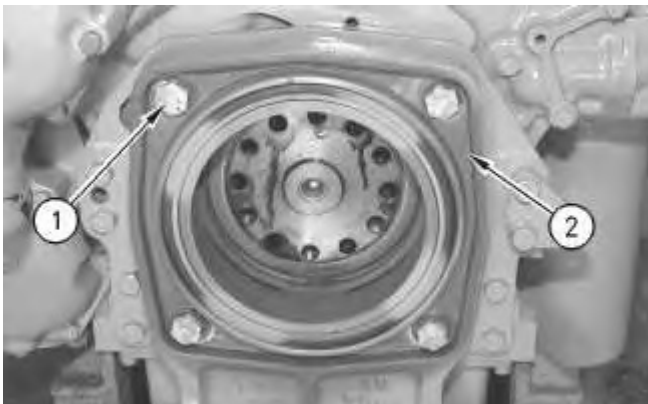


Illustration 1

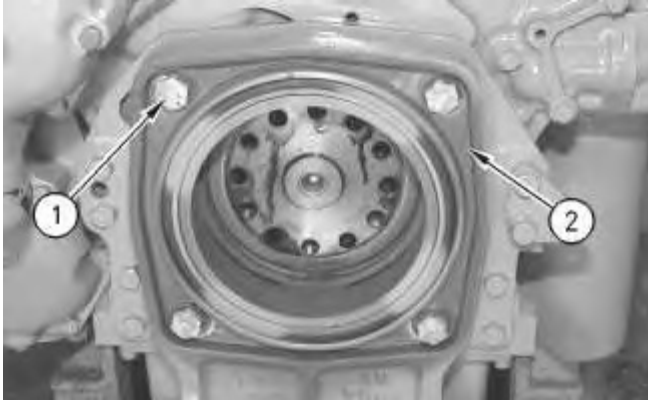
g00575145

Typical example

1. Remove four bolts (1) and the washers.
2. Remove engine support (2).

### Installation Procedure

---



---

Illustration 2

g00575145

Typical example

1. Place engine support (2) in position on the engine.
2. Install four bolts (1). Tighten the bolts to a torque of  $270 \pm 25$  N·m ( $200 \pm 18$  lb ft).

**End By:**

- a. Install the crankshaft vibration damper. Refer to Disassembly and Assembly, "Vibration Damper and Pulley - Remove and Install".

Product: MOTOR GRADER

Model: 24H MOTOR GRADER 7KK

Configuration: 24H Motor Grader 7KK00001-UP (MACHINE) POWERED BY 3412E Engine

## Disassembly and Assembly 3408E and 3412E Engines for Caterpillar Built Machines

Media Number -SEN1013-11

Publication Date -01/07/2015

Date Updated -22/08/2016

i03335401

### Gear Group (Rear) - Remove

SMCS - 1206-011; 1212-011

### Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-0483 <sup>(1)</sup>	Drive Plate	1
	1U-5839	Bearing Puller	1
B	FT-1342	Guide Bolt	2

<sup>(1)</sup> Part of the **1P-0510** Driver Group

#### Start By:

- a. Remove the flywheel housing. Refer to Disassembly and Assembly, "Flywheel Housing - Remove and Install".

---

#### NOTICE

**Keep all parts clean from contaminants.**

**Contaminants may cause rapid wear and shortened component life.**

---

**Note:** There are many possible configurations of the rear gear group and flywheel housing. The following procedure illustrates a typical example.

1. Use the following procedure for disassembly of the adapter assemblies.

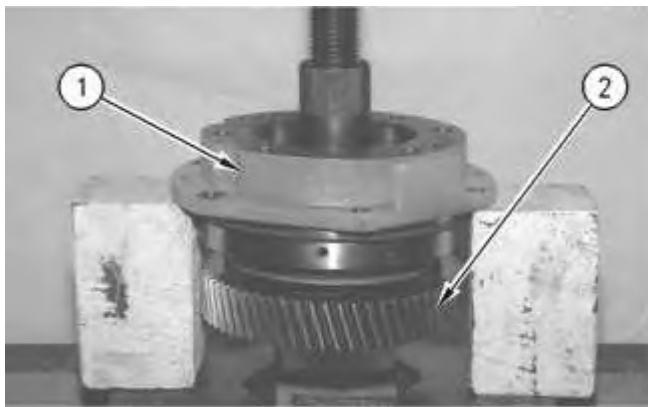


Illustration 1

g00586481

Typical example

- a. Support adapter assembly (1) so that the gear assembly can be pressed out of the adapter assembly. Press gear assembly (2) out of the adapter assembly.



Illustration 2

g00586630

Typical example

- b. Use Tooling (A) in order to remove bearing (3) from the gear assembly.



Illustration 3

g00586904

Typical example

Thank you so much for reading.  
Please click the “Buy Now!”  
button below to download the  
complete manual.



After you pay.

You can download the most  
perfect and complete manual in  
the world immediately.

Our support email:

[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)