



# Service Repair Manual

## **Models**

# 140G Motor Grader

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Product: MOTOR GRADER

Model: 140G MOTOR GRADER 81V

Configuration: 140G MOTOR GRADER 81V00382-01030 (MACHINE) POWERED BY 3306 ENGINE

## Disassembly and Assembly 12G, 130G & 140G MOTOR GRADER POWER TRAIN

Media Number -SEN7186-01

Publication Date -01/11/1989

Date Updated -24/02/2006

SEN71860006

### Drive Sprockets

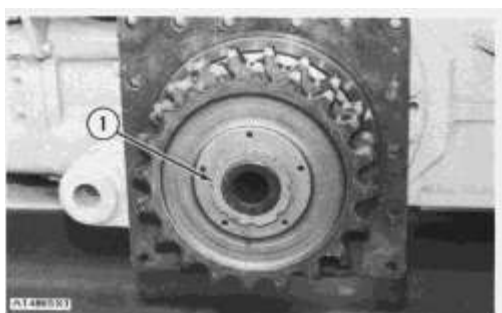
SMCS - 4072-11; 4072-12

### Remove Drive Sprockets

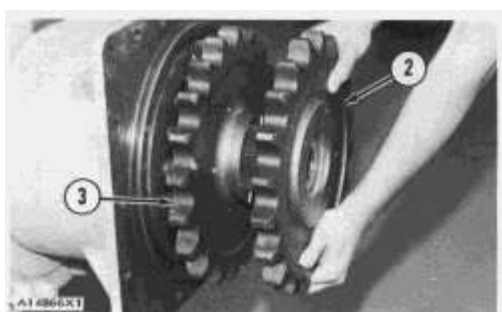
Tools Needed		A
5P4204	Spanner Socket	1

start by:

a) remove tandem housings



1. Remove nut (1) with tool (A).

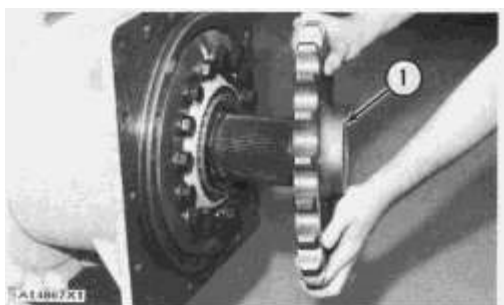


2. Remove sprockets (2) and (3). Weight of one sprocket is 32 lb. (15 kg).

3. Do Steps 1 through 2 for the other drive sprockets.

## Install Drive Sprockets

Tools Needed		A
5P4204	Spanner Socket	1



1. Put sprocket (1) in position on the shaft. Install sprocket (1) with the hub of the sprocket away from the final drives.



2. Put sprocket (2) in position on the shaft. Install sprocket (2) with the hub toward the hub on sprocket (1).

3. Put the nut that holds the sprockets on the shaft in position on the shaft. Install the axle in the differential and final drive.

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### NOTICE

**The following procedure must be used to put the correct amount of preload on the bearings for the final drives:**

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A. Tighten the nut to a torque of 150 lb. ft. (20.7 mkg) with tool (A).

B. Turn the sprockets to put the bearings in their seats.

C. Hit the hub of the sprocket with a large punch and a hammer.

**D.** Do Steps A, B, and C until the nut does not turn when it is tightened.

**E.** Loosen the nut.

**F.** Tighten the nut to a torque of 100 lb. ft. (13.8 mkg).

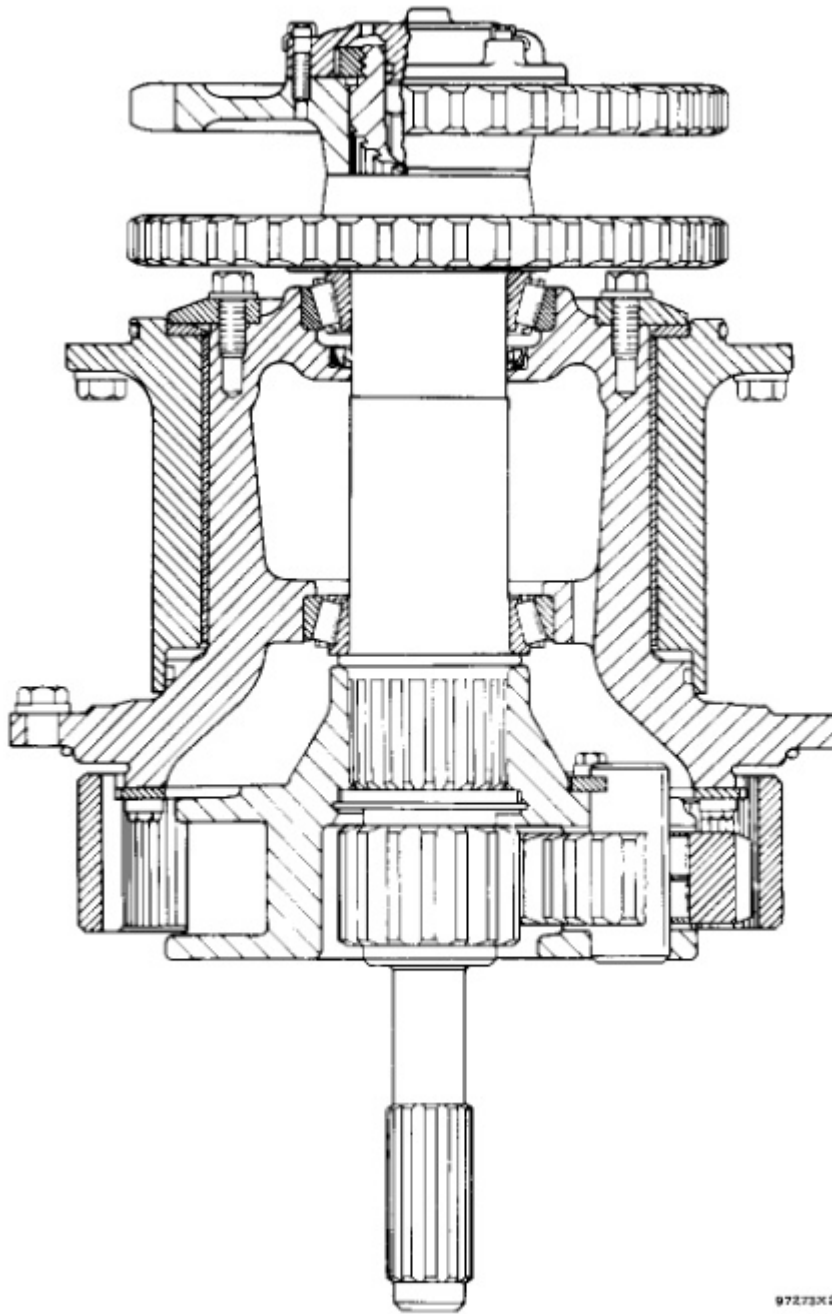
**G.** If the nut is in a locking position, install the cover and the bolts that hold it.

**H.** If the nut is not in a locking position, tighten the nut to the next nearest locking position. Install the cover and the bolts.

**4.** Do Steps 1 through 3 for the other drive sprockets.

end by:

**a)** install tandem housings



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## Disassemble Final Drives

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