



Service Repair Manual

Models

120G Motor Grader

Product: MOTOR GRADER

Model: 120G MOTOR GRADER 11W

Configuration: 120G Motor Grader 11W01251-UP (MACHINE) POWERED BY 3304 Engine

Disassembly and Assembly 3304B and 3306B Engines for Caterpillar Built Machines

Media Number -SEN5598-09

Publication Date -01/01/2013

Date Updated -25/01/2013

i02107004

Gear Group (Front) - Remove

SMCS - 1206-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-0510	Driver Group	1

Start By:

- A. Remove the automatic timing advance unit. Refer to Disassembly and Assembly, "Automatic Timing Advance - Remove".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

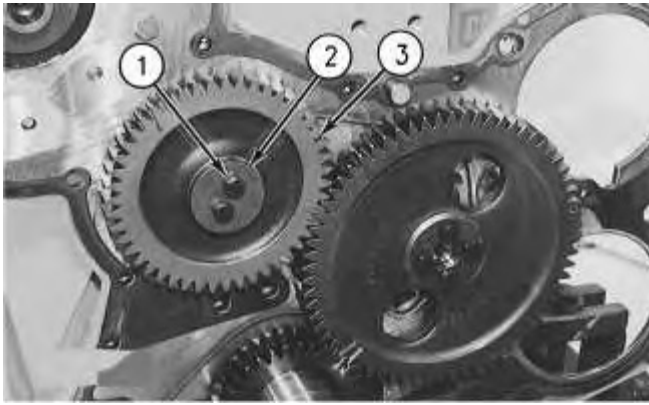


Illustration 1

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1. Remove bolts (1), plate (2), and fuel pump idler gear (3) .

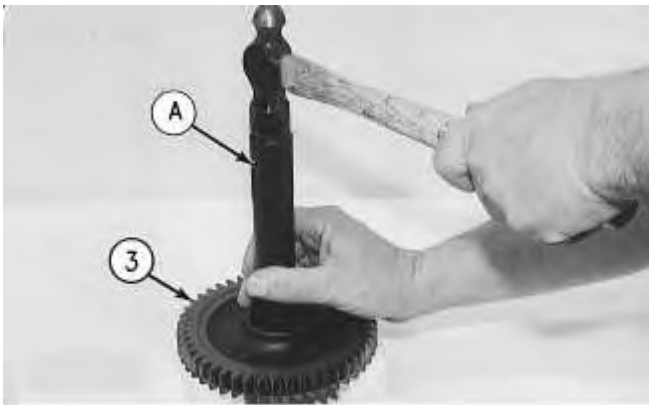


Illustration 2

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2. Remove the bearing from fuel pump idler gear (3) with Tooling (A) .

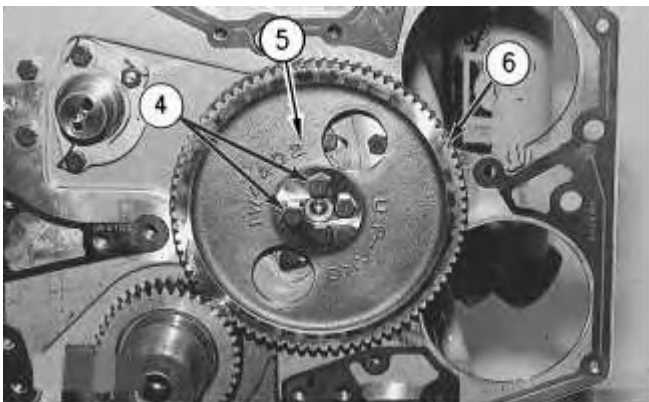


Illustration 3

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3. Remove bolts (4), plate (5), and camshaft gear (6) .

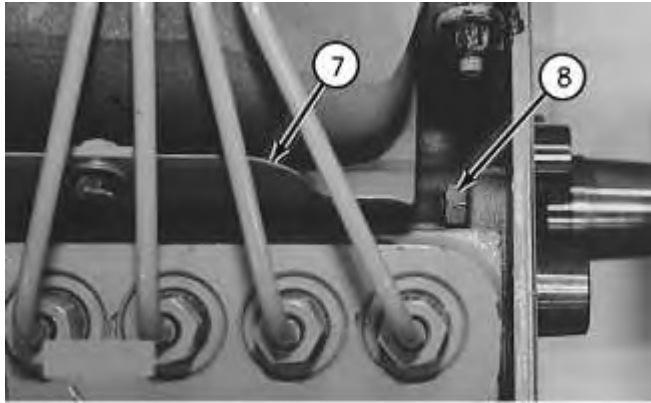


Illustration 4

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4. Remove the bolts that hold shield (7) in position between the fuel pump and the exhaust manifold. Slide the shield backward from the timing cover plate.
5. Remove nuts (8) .

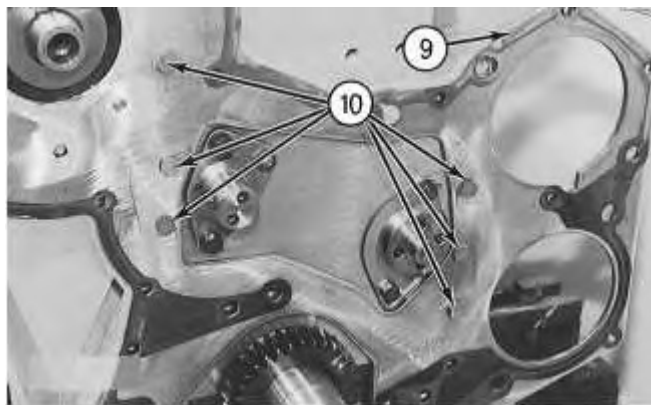


Illustration 5

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6. Remove bolts (10). Remove timing gear plate (9) and the gasket.

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i02107019

Gear Group (Front) - Install

SMCS - 1206-012

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-0510	Driver Group	1
B	9S-3263	Thread Lock Compound	1

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

Note: Check the condition of the gaskets and the O-ring seals. If the gaskets or the O-ring seals are worn or damaged, use new parts for replacement.

1. Clean the old gasket from the contact surfaces of the timing gear plate and the cylinder block. Install a new gasket on the cylinder block. Cut the gasket even with the bottom face of the cylinder block.
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