

Product: BACKHOE LOADER

Model: 416C BACKHOE LOADER 5YN

Configuration: 416C Backhoe Loader Center Pivot, Single Tilt 5YN15148-16589 (MACHINE) POWERED BY 3054 Engine

## Disassembly and Assembly 3054 Engine for Caterpillar Built Machines

Media Number -SEN6241-13

Publication Date -01/08/2008

Date Updated -04/08/2008

i02253357

## Gear Group (Front) - Remove

SMCS - 1206-011

## Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	8S-2264	Puller Group	1
B	173-9774	Wrench Bit	1

### Start By:

- A. Remove the front cover. Refer to Disassembly and Assembly, "Front Cover - Remove".

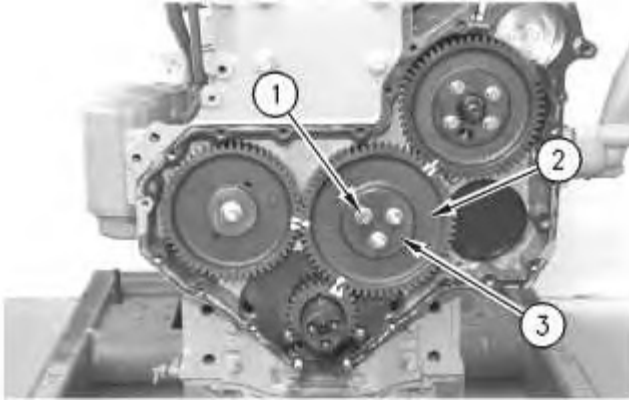
---

### NOTICE

**Keep all parts clean from contaminants.**

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

---



---

Illustration 1

g00556563

**Note:** It may be necessary to pin the fuel pump in order to maintain the correct timing. Refer to Disassembly and Assembly, "Fuel Injection Pump - Remove" for the correct procedure.

1. Align the timing marks on the crankshaft gear, the camshaft gear, and the idler gear, as shown.
2. Remove bolts (1) from idler gear (2) .
3. Remove idler gear (2) and retainer plate (3) .

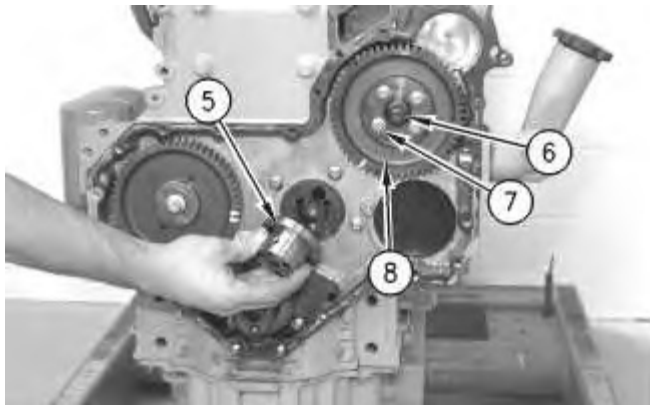


---

Illustration 2

g00556757

4. Remove bushing (4) from idler gear (2) , if necessary.
  5. Remove the bushing with a suitable puller. If the bushing cannot be removed with a puller, grind the face off of one bushing. The remainder of the bushing can then be removed with a press.
-



---

Illustration 3

g00556758

6. Remove idler gear hub (5) from the cylinder block.
7. Remove nut (6) and the spring washer from fuel injection pump gear (8) .
8. Remove bolts (7) from fuel injection pump gear (8) .

**Note:** Some fuel injection pump gears may have a tamper proof torx screw in place of one of the four bolts. Use Tooling (B) to remove the tamper proof torx screw, if necessary.

9. Use Tooling (A) to remove fuel injection pump gear (8) .
-

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)