



# Service Repair Manual

## **Models**

312D2 GC Excavator

---

Product: EXCAVATOR

Model: 312D2 GC EXCAVATOR BRW

Configuration: 312D2 GC Excavator BRW00001-UP (MACHINE) POWERED BY 3054C Engine

## Disassembly and Assembly 3054C Engines for Caterpillar Built Machines

Media Number -SEN5069-18

Publication Date -01/05/2015

Date Updated -19/09/2018

i02293555

## Flywheel - Remove

SMCS - 1156-011

## Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	-	Guide Bolt (1/2 inch - 20 NF by 4 inch)	2
B	138-7575	Link Bracket	1

---

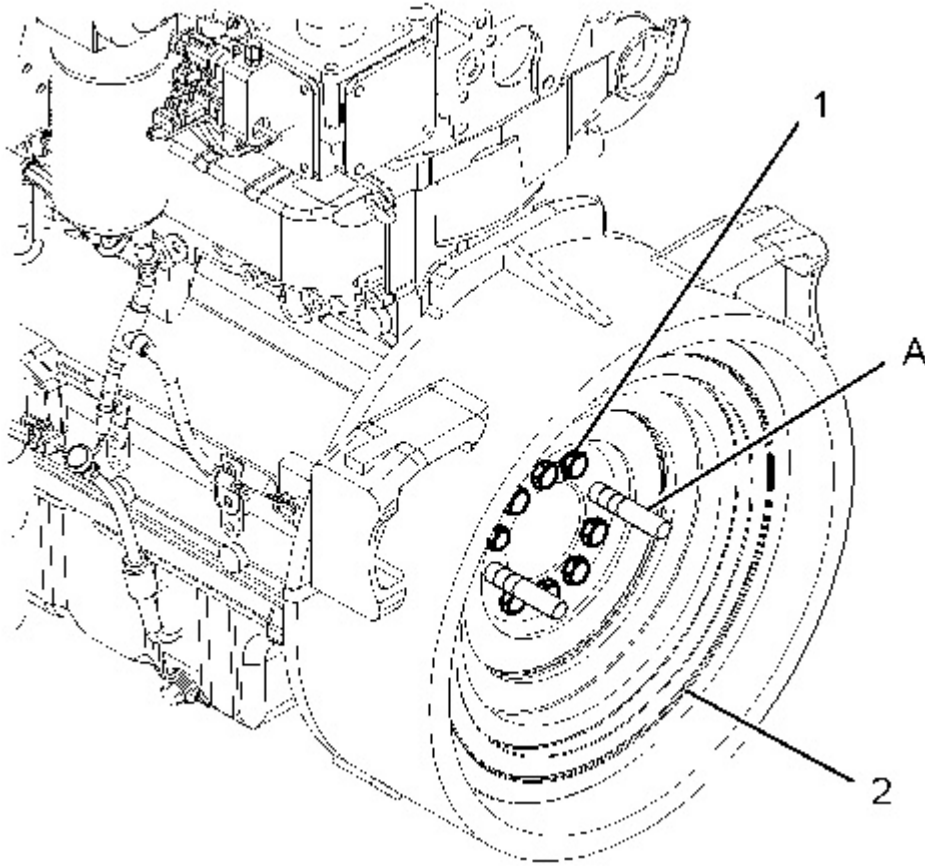
### NOTICE

**Keep all parts clean from contaminants.**

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

---

---



---

Illustration 1

g01148312

Typical example

1. Remove the two setscrews and install the Tooling (A) as guides.

**Note:** The weight of the flywheel (2) is approximately 54 kg (119 lb). Install the Tooling (B) in order to support the flywheel (2) before the remainder of the setscrews (1) are removed.

2. Remove the remaining setscrews (1) that secure flywheel (2) to the crankshaft.
  3. Remove the flywheel (2) from the engine.
-

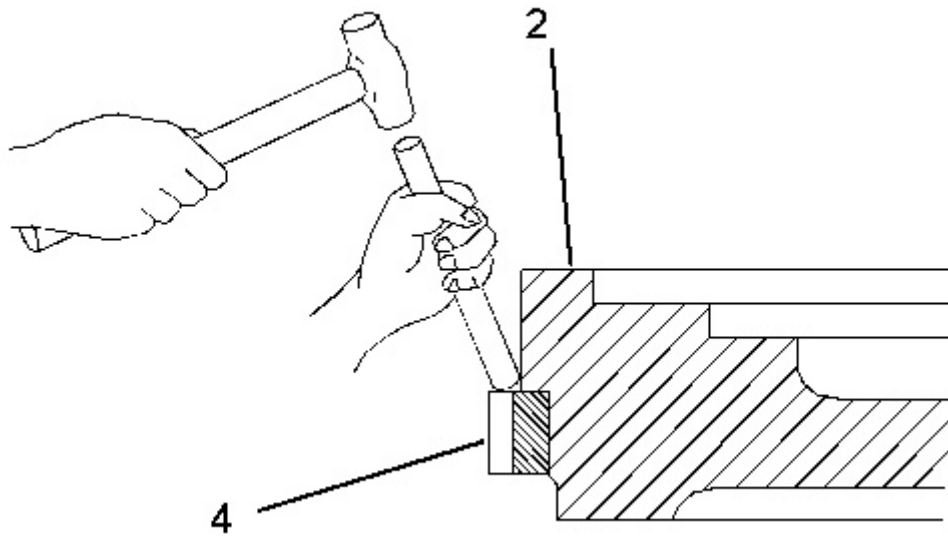


Illustration 2

g01148313

4. Check the condition of the ring gear (4). Remove the ring gear (4) if the ring gear is worn or damaged.

**Note:** Identify the orientation of the ring gear (4) on the flywheel (2) and the position of the chamfer on the teeth for the correct positioning when the new ring gear is installed.

5. Place the flywheel (2) and the ring gear (4) on a suitable support. Use a hammer and a chisel in order to remove the ring gear (4) from the flywheel (2).

Product: EXCAVATOR

Model: 312D2 GC EXCAVATOR BRW

Configuration: 312D2 GC Excavator BRW00001-UP (MACHINE) POWERED BY 3054C Engine

## Disassembly and Assembly 3054C Engines for Caterpillar Built Machines

Media Number -SEN5069-18

Publication Date -01/05/2015

Date Updated -19/09/2018

i07030444

### Flywheel - Install

SMCS - 1156-012

### Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	-	Guide Bolt (1/2 inch - 20 NF by 4 inch)	2
B	138-7575	Link Bracket	1

---

#### NOTICE

**Keep all parts clean from contaminants.**

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

---

1. Thoroughly clean the flywheel housing. Inspect the crankshaft rear seal for leaks. If there are any oil leaks, refer to this Disassembly and Assembly Manual, "Crankshaft Rear Seal - Remove" for the correct procedure.
-

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)