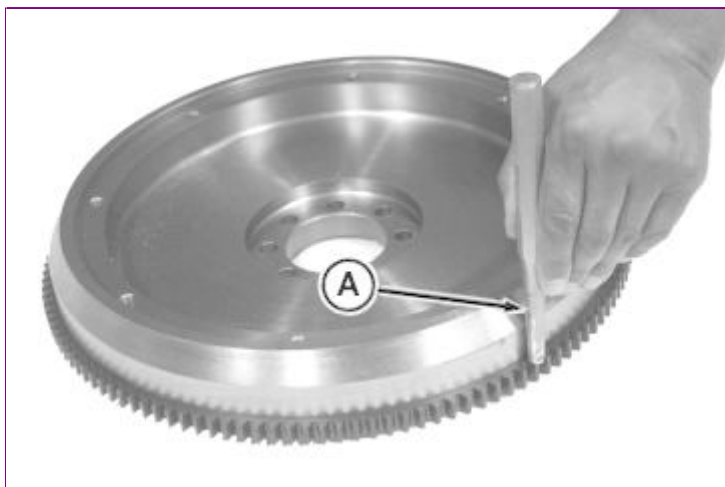


CTM101019 - PowerTech™ E 2.4L and 3.0L Diesel Engines Flywheel Ring Gear — Removal

Flywheel Ring Gear — Removal



RG17632-UN: Flywheel with Ring Gear

LEGEND:

A - Brass Drift



CAUTION:

Oil fumes or oil can ignite above 193°C (380°F). Use a thermometer and do not exceed 182°C (360°F). Do not allow a flame or heating element to be in direct contact with the oil. Heat the oil in a well ventilated area. Plan a safe handling procedure to avoid burns.

1. Perform [Flywheel — Removal](#) .

Special Tools:

- [JDG1571](#) —Timing Pin

2. **Flywheel Ring Gear Removal**

Special Tools:

- None

- a. Place the flywheel on a solid flat surface.
 - b. Drive ring gear off with a brass drift (A) and hammer.
-

CTM101019 - PowerTech™ E 2.4L and 3.0L Diesel Engines Flywheel Ring Gear — Installation

Flywheel Ring Gear — Installation

1. Flywheel Ring Gear Installation

Special Tools:

- None

Consumables:

- None

IMPORTANT:

If flame heat is used, be sure gear is heated uniformly around circumference. DO NOT OVERHEAT. SEE CAUTION. Overheating may also destroy original heat treatment of gear.

- Heat new ring gear to 148°C (300°F) using either heated oil, oven heat, or flame heat.
 - Install ring gear against shoulder of flywheel.
- Perform [Flywheel — Installation](#) .

Special Tools:

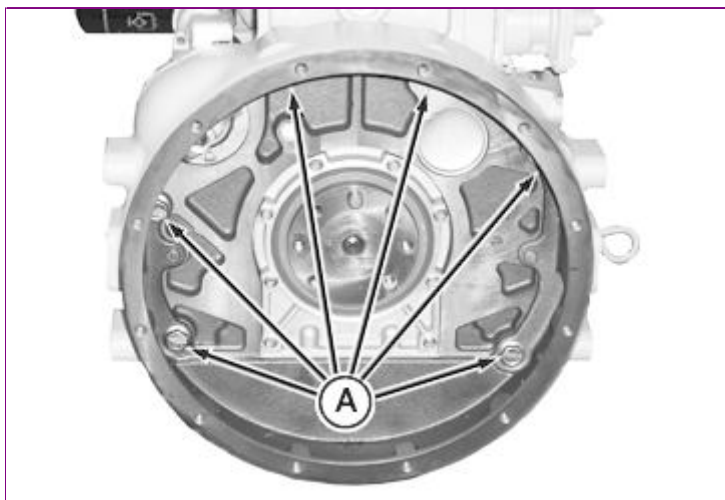
- [JDG1571](#) —Timing Pin

Consumables:

- LOCTITE® 242 Thread Lock and Sealer (Medium Strength), Flywheel Cap Screws

CTM101019 - PowerTech™ E 2.4L and 3.0L Diesel Engines Flywheel Housing — Removal

Flywheel Housing — Removal



RG17652-UN: Flywheel Housing

LEGEND:

A - Cap Screws

1. Perform [Flywheel — Removal](#) .

Special Tools:

- [JDG1571](#) —Timing Pin

2. **Flywheel Housing Removal**

Special Tools:

- None

- a. Remove starting motor if desired. Starting motor and flywheel housing may be removed as an assembly.
- b. _____



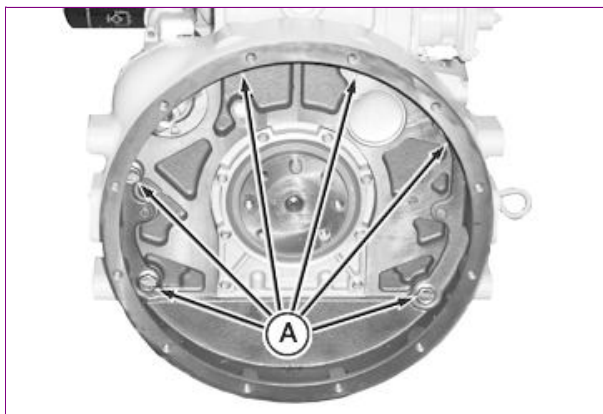
CAUTION:

The flywheel housing is heavy. Plan a proper handling procedure to avoid injuries.

Remove flywheel housing-to-cylinder block cap screws (A). Remove flywheel housing from block.

CTM101019 - PowerTech™ E 2.4L and 3.0L Diesel Engines Flywheel Housing — Installation

Flywheel Housing — Installation



RG17652-UN: Flywheel Housing

LEGEND:

A - Cap Screws

1. Flywheel Housing Installation

Special Tools:

- None

Consumables:

- None

- a. Inspect and clean cylinder block and flywheel housing and mating surfaces.
- b. _____



CAUTION:

The flywheel housing is heavy. Plan a proper handling procedure to avoid injuries.

Install flywheel housing on cylinder block and tighten cap screws (A) to specifications.

Item	Measurement	Specification
Initial Flywheel Housing Cap Screws	Torque	35 N•m (26 lb-ft)
Final Flywheel Housing Cap Screws	Torque	140 N•m (105 lb-ft)

NOTE:

Some flywheel housings may use a sheet metal plate as part of the enclosure, install as necessary.

2. Perform [Flywheel — Installation](#) .

Special Tools:

- [JDG1571](#) —Timing Pin

Consumables:

- LOCTITE ® 242 Thread Lock and Sealant (Medium Strength)

CTM101019 - PowerTech™ E 2.4L and 3.0L Diesel Engines Flywheel — Installation

Flywheel — Installation

Special Tools:

- [JDG1571](#) —Timing Pin

Consumables:

- LOCTITE® 242 Thread Lock and Sealer (Medium Strength), Flywheel Cap Screws

1. _____

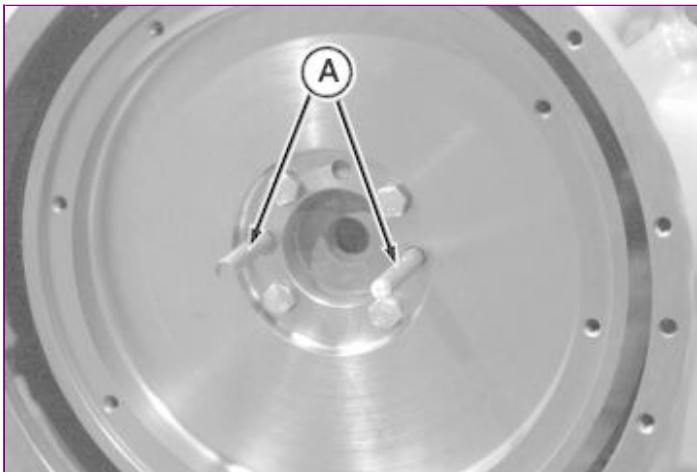


CAUTION:

Flywheel is heavy. Plan a proper handling procedure to avoid injuries.

IMPORTANT:

Flywheel MUST BE clean and free of any oil, grease or debris.



RG17650-UN: Flywheel and Guide Studs

LEGEND:

A - Guide Studs

Install two guide studs (A) in crankshaft cap screw threaded holes. Place flywheel on studs and slide into position against crankshaft.

2. **IMPORTANT:**

ALWAYS use new flywheel cap screws when flywheel has been removed. Inspect cap screws to insure they have sealant. If required, apply LOCTITE® 242 Thread Lock and Sealer (Medium Strength) to cap screws threads.

Start cap screws in crankshaft. Do not tighten until guide studs are removed and all cap screws are started. Insert [JDG1571](#) timing pin to prevent crankshaft rotation. Tighten cap screws in a cross-shaped sequence to specifications.

Item	Measurement	Specification
Initial Flywheel Mounting Cap Screws	Torque	30 N•m (20 lb-ft)

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