

Service Bulletin

Engine type **2, 3, 4 and 6**

Subject **Opening on the underside of the gear train housing
Fitting cover plate with smaller hole**

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The purpose of this Service Bulletin is to explain the significance of an opening on the underside of the gear train housing, highlight the dangers associated with it and urge users for reasons of safety to install one of the cover plates that we supply free of charge.

AFFECTED ENGINES / SCOPE OF THIS BULLETIN

Type 2, 3, 4 and 6 engines up to and including year of manufacture 2011.

DESCRIPTION OF THE FACTS

A small opening is found on the underside of the gear train housing, which is also referred to as the gear train housing, flywheel housing, intermediate flange, etc. The purpose of the opening is to allow the engine operator to spot any leaks at the crankshaft sealing ring as quickly as possible. The leaking oil would drip onto the floor precisely at this lowest point in the cover.

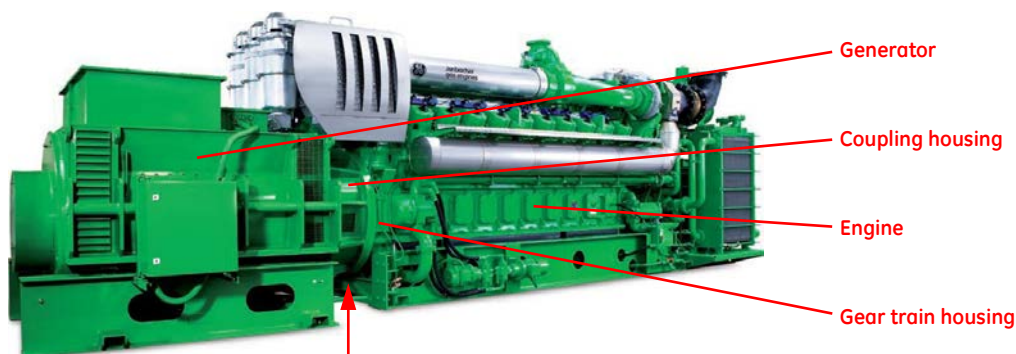


Fig. 01: Arrow indicating the opening at the lowest point in the gear train housing

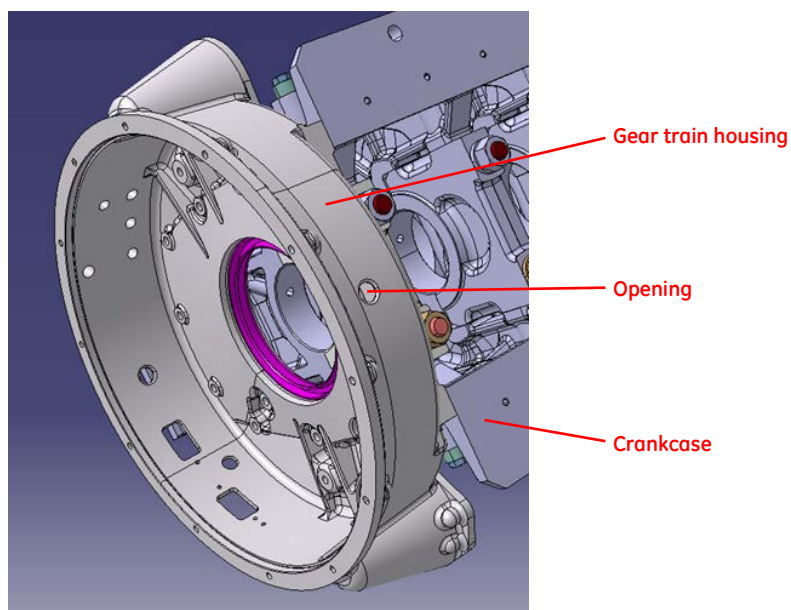


Fig. 02: Gear train housing (viewed from below)

POTENTIAL DANGER

Our engines are subjected to regular inspections in an effort to keep upgrading our older plants to the latest safety standard. In order to provide every single person who “comes into contact” with our product with the best possible level of safety, we would now like to inform you of knowledge gained during the last safety check:

WARNING: It is possible to insert your finger through the opening described and indicated above into the interior of the gear train housing and sustain an injury caused by rotating parts while the engine is running.

MEASURES

With immediate effect, the hole in the gear train housings of new engines will be made so small that it will no longer be possible to insert a finger through it. In addition, we are offering you the option of ordering a free-of-charge cover plate (P/N 9006583) for older models of Type 2, 3, 4 and 6 engines. This part is quick and easy to fit.

RELEVANT PART NUMBER

P/N	QTY	DESCRIPTION
9006583	1	Cover plate

Tab. 01: Relevant part number

ATTACHING the COVER PLATE

- Switch off the engine in accordance with TI1100-0105 and ensure that it cannot be started by unauthorised persons
- Always follow the safety instructions in TI2300-0005
- Clean the gear train housing thoroughly around the opening
- Use silicon to "glue on" the cover plate

WARNING: Only carry out cleaning and fitting operations with the engine shut down!

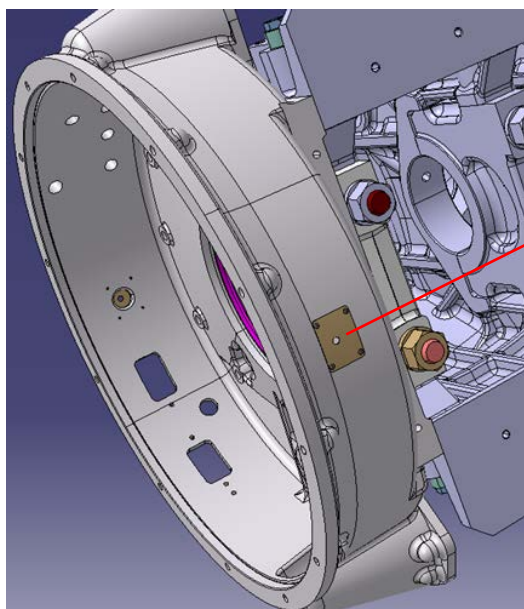
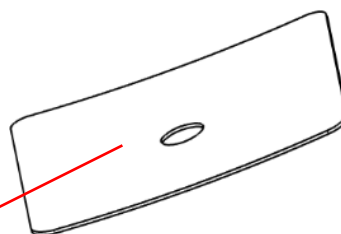


Fig. 03: Gear train housing with cover plate fitted



The cover plate is a piece of metal – curved to match the radius of the gear train housing – approx. 45 x 45 x 0.5mm in size. The hole in the centre now has a diameter of only 6mm. It is attached to the gear train housing using silicon and not, as shown in the illustration on the left, 4 screws or notched nails.

RELEVANT DOCUMENTS

- Technical Instruction TI1100-0105, Shutting down the engine
- Technical Instruction TI2300-0005, Safety instructions

REVISION CODE

INDEX	DATE	DESCRIPTION / REVISION SUMMARY
01	21.10.2011	First version of this document

Tab. 02: Revision history