



Removal and refitting of the fan support

Assembly product:

- DEUTZ AP1908

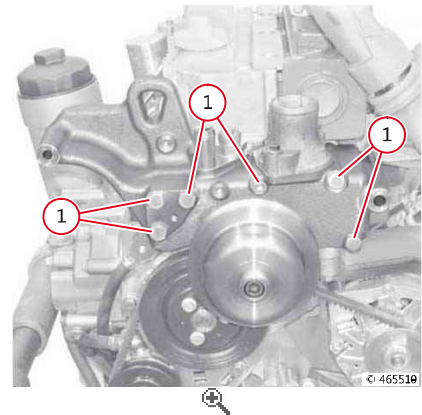


NOTE

The draining and replenishing of engine fluids and lubricants must be carried out in accordance with the instructions given in the documentation provided by the manufacturer of the vehicle/appliance.

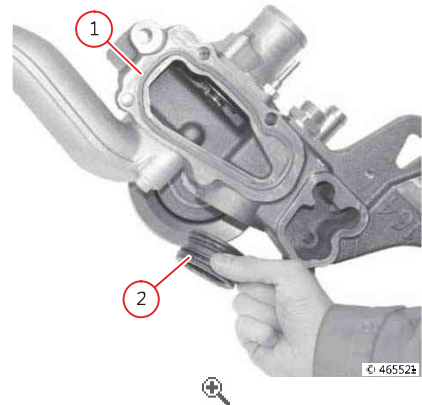
Disassembly of the fan support

- Remove screws (1).
- Disassemble the fan support.



1.

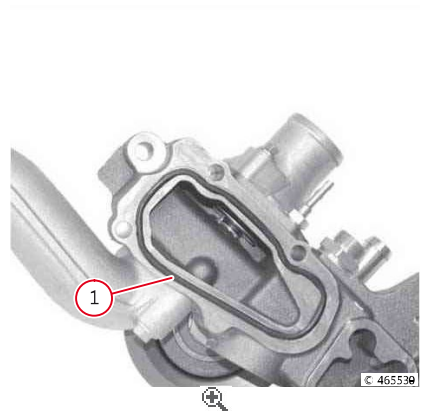
- Remove seal (1).
- Remove the connection fitting (2).
- Carry out a visual inspection of the components.



2.

Assembly of the fan support

- Install a new seal (1).
- Apply assembly product to the new seal.

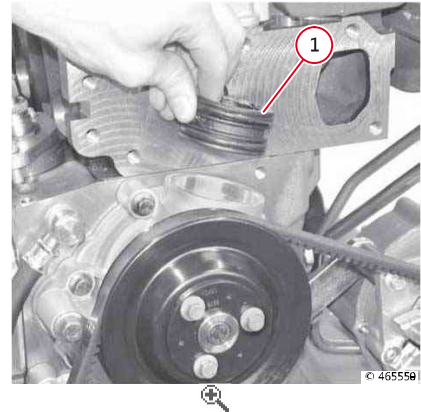
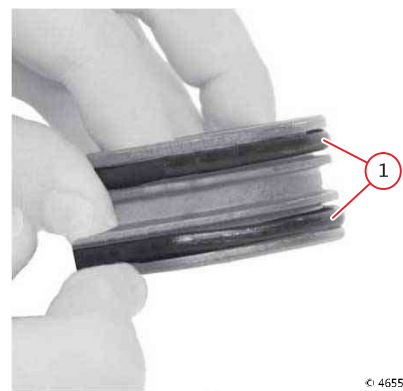


1.

- Tighten the new O-rings (1).
- Apply the assembly product on the O-rings.

2.

- Install the connection fitting (1).



3.

- Fit the fan mount.



WARNING

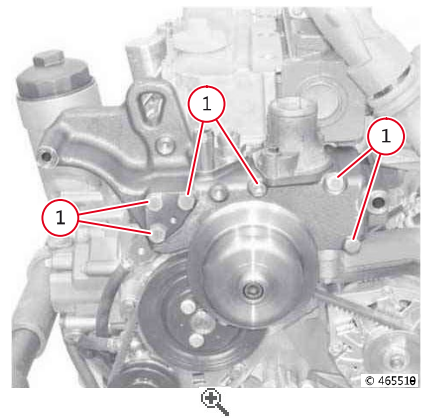
Make sure the assembly position is correct.



NOTE:

Note that the screws are of different lengths

- Tighten screws (1).
- Tighten the screws (1): 60 Nm



4.



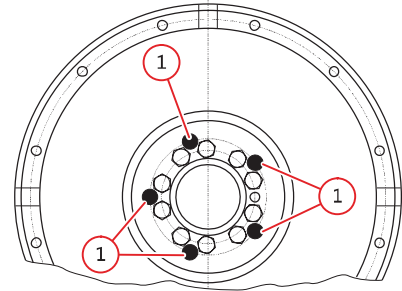
Removal and refitting of the flywheel

Commercially available tools:

- Rotation angle gauge: 8190
- Shop-made guide pin

Removal of the flywheel

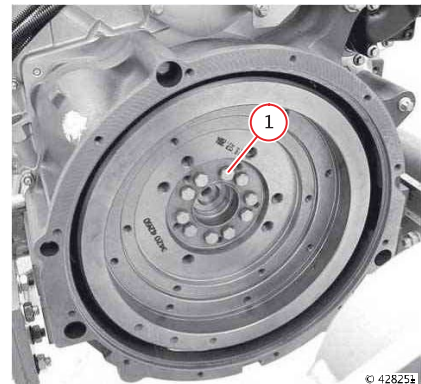
- o Remove the closing plugs (1).



© 311152

1.

- o Counterhold the flywheel using a suitable tool.
- o Remove screws (1).
- o Remove the flywheel.
- o Visually inspect the components.



© 428251

2.

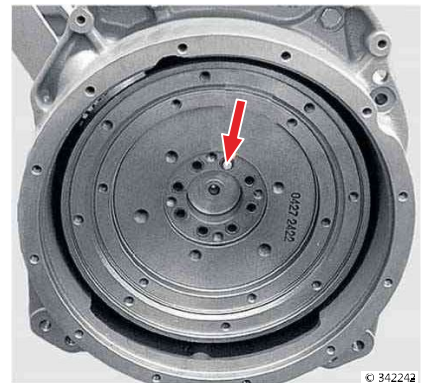
Refitting the flywheel

- o Insert the shop-made guide pin



NOTE:

The holes in the flywheel must coincide with the threaded hole in the V-belt pulley.



© 342242

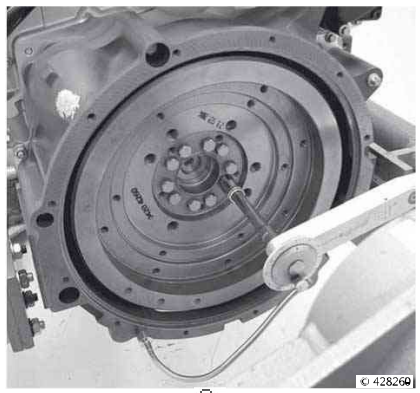
1.



WARNING

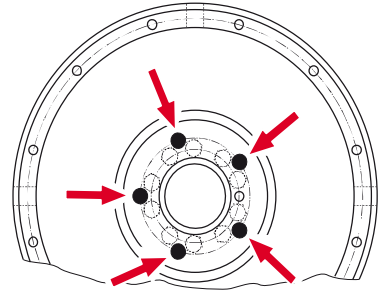
The screws must be renewed after being removed.

- o Tighten the screws in alternate sequence.
 - M10 x 30: 30 Nm + 60° + 30°
 - M10 x 35 - M10 x 85: 30 Nm + 60° + 60°



2.

- o Insert the plugs fully into the threaded holes (arrowed).



© 311151

3.



Replacing the starter motor ring gear on the flywheel



DANGER

Risk of accident, do not touch hot components!

Disassembly of the starter ring gear

- o Remove the flywheel.
[See para. Removal and refitting of the flywheel](#)
- o Perforate the ring gear.



NOTE:

Counterhold the flywheel using a suitable tool.



1.

- o Remove the starter ring gear with a suitable tool.



2.

- o Clean the flywheel.
- o Visually inspect the flywheel.



3.

Assembly of the starter ring gear

- o Heat the starter ring gear to 220 °C.
- o Position the starter ring gear on the flywheel.



NOTE:

The starter ring gear must rest evenly on the flywheel support flange.



© 45701-4

1.

- Fit the flywheel.
See para. Removal and refitting of the flywheel



© 45702-4

2.



Starter motor

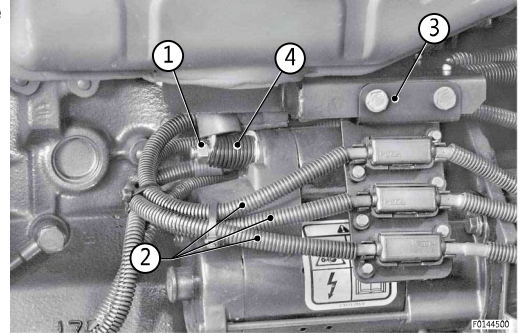
REMOVAL



DANGER

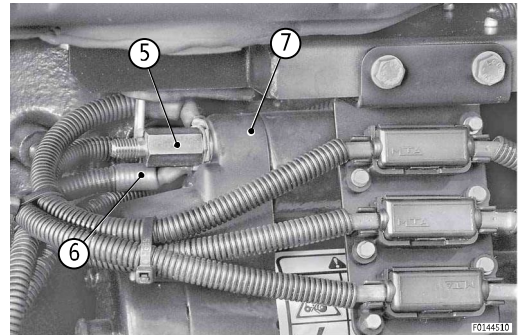
1. Disconnect the lead from the battery negative terminal (-) and apply the parking brake.

Remove nut (1), detach leads (2) from the starter motor (3) and remove protection (4).



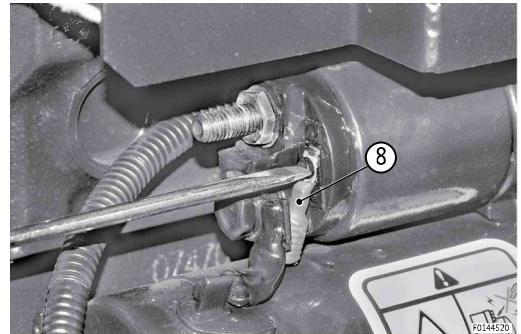
2.

Remove extension (5), detach cable (6) and remove protection (7).



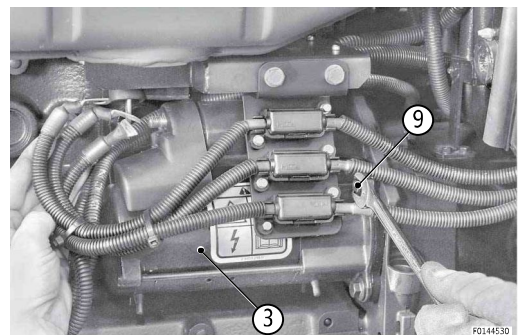
3.

Remove screw and disconnect cable (8).



4.

Remove the three screws (9) and remove the starter motor (3).



5.

Installation

Install by following the removal steps in reverse order and carry out the following procedures:

Procedure 4

- Screw: 1 to 1.3 Nm (0.74-0.96 lb.ft.)

Procedure 3

- Extension: 16 to 20 Nm (11.76-14.74 lb.ft.)

Procedure 2

- Nut: 16 to 20 Nm (11.76-14.74 lb.ft.)

T.L80.21.C0.05.00.00.01 - v1

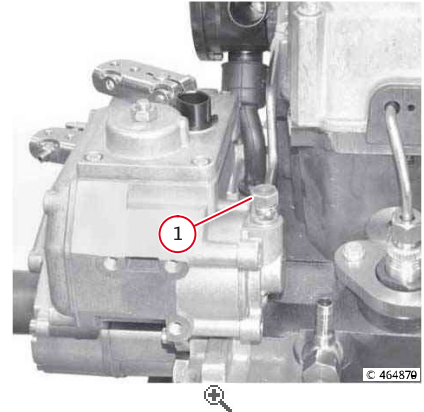


Removing and fitting the engine governor

- DEUTZ DW 73 sealant

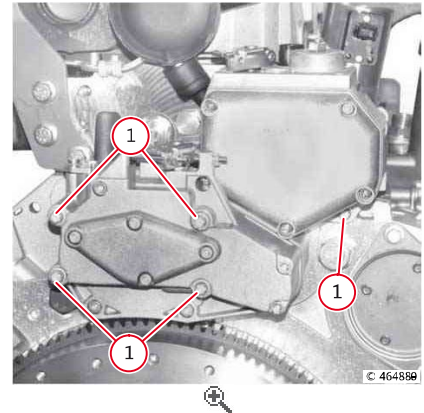
Removing the engine governor

- Disconnect the wiring connectors.
- Unscrew banjo bolt (1)
- Remove the seals.



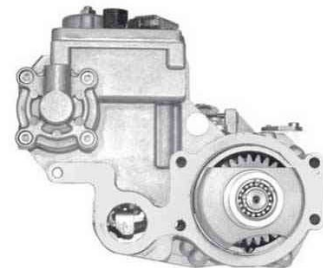
1.

- Remove screws (1).
- Remove the engine governor.



2.

- Clean the mating surfaces.
- Carry out a visual inspection of the component.



© 464890

3.

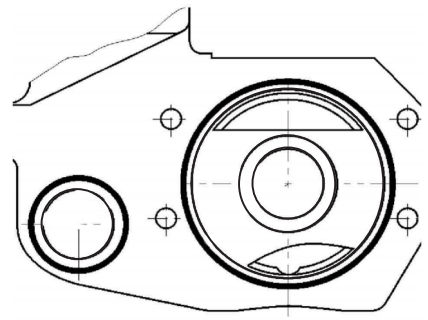
Fitting the engine governor

- Apply the sealant evenly on the sealing surfaces of the gear case.



NOTE

The mating surfaces must be clean, dry and free of grease or other contaminants.



© 463484

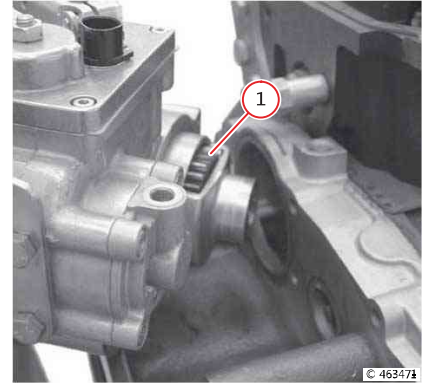
1.

- o Assemble the speed regulator.
- o Fit the engine governor.



NOTE

If necessary, turn the governor ring gear (1) slightly to facilitate meshing.



© 463473

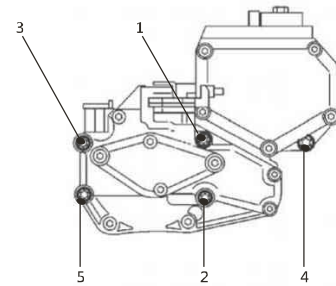
2.

- o Tighten the screws in the sequence indicated: 17 Nm.



NOTE

If the governor is replaced with a spare part, the original rod retraction value must be set.



© 463490

3.

- o Tighten the hollow screw (1): 18 Nm.



NOTE

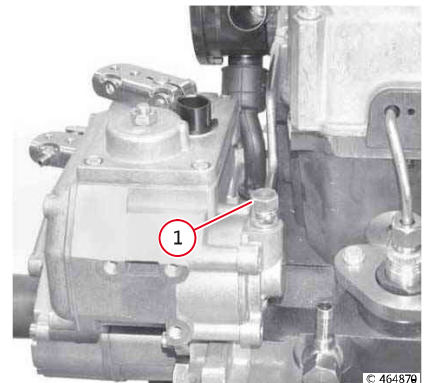
Use new seals.

- o Reconnect the wiring connector



NOTE

Check that the connection is made correctly.



© 464870

4.

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