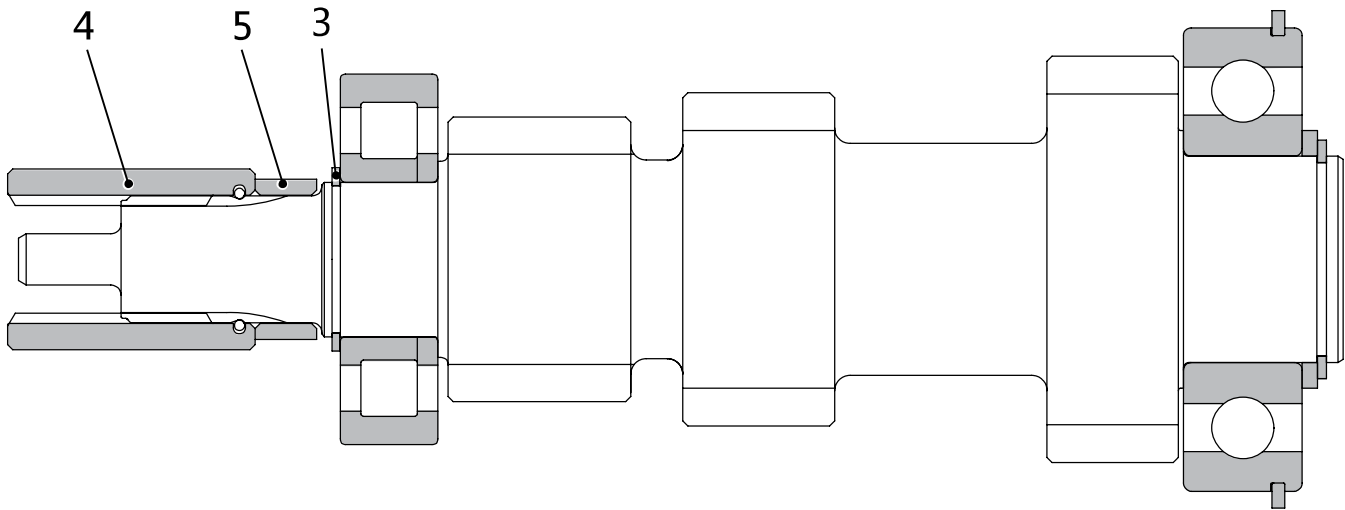




PTO output shaft. - 3-speed version



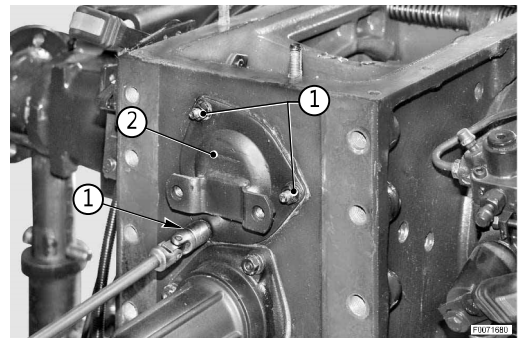
D0038220



Fig. PTO output shaft

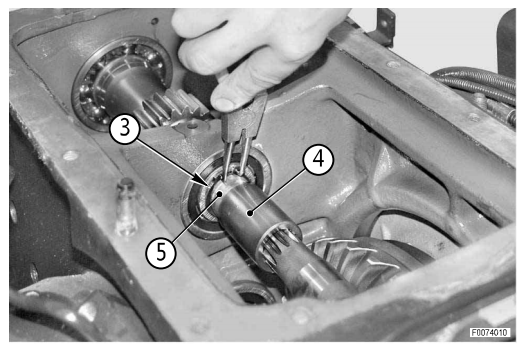
Removal

Remove nuts (1) and remove cover (2).



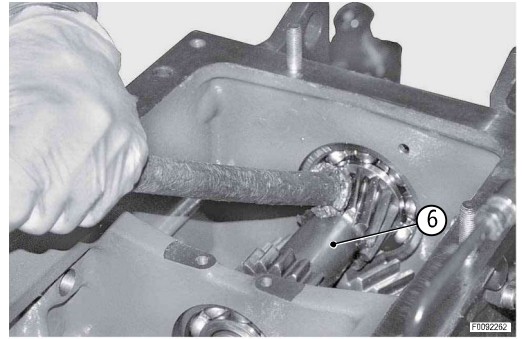
1.

Move circlip (3), sleeve (4) and spacer (5) towards the front of the transmission.



2.

Using a soft metal punch and mallet, drive out PTO input shaft (6).



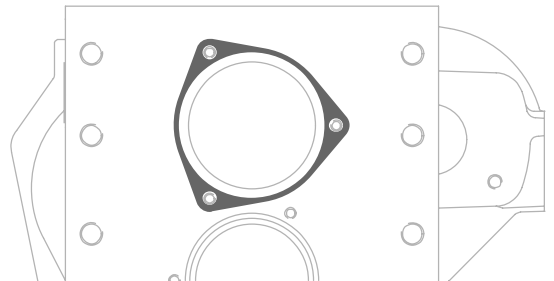
3.

Installation

Refitting is the reverse of removal. Use caution in relation to the following procedures:

Procedure 1

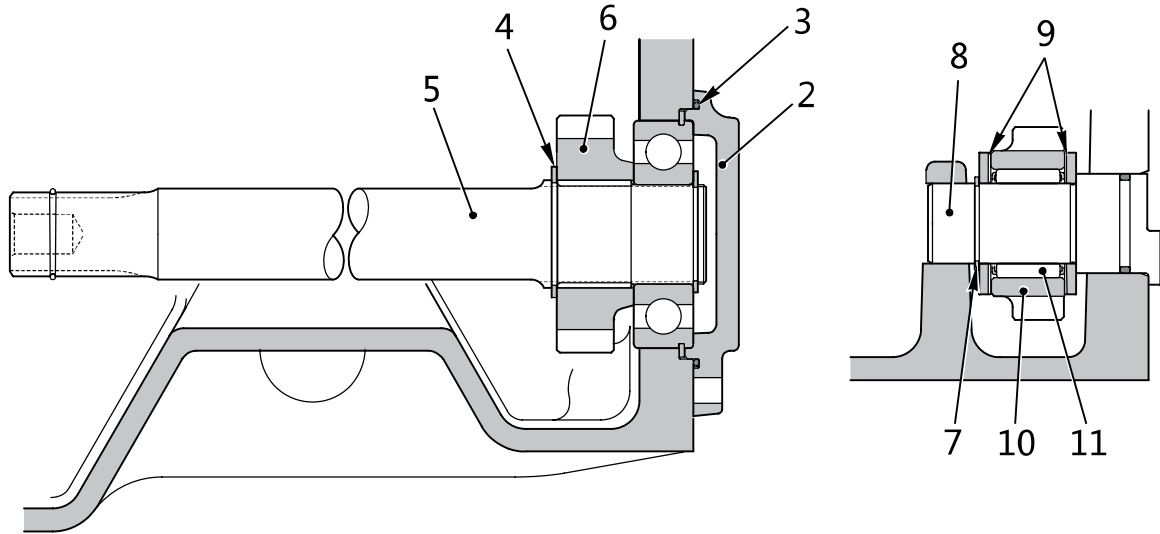
- Mating face: Silastic 738



D0021230



Groundspeed PTO drive shaft



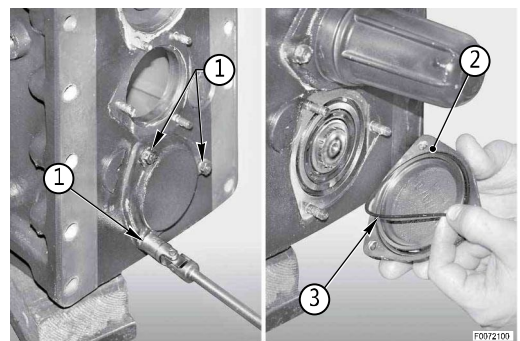
D0021360

Fig. Groundspeed PTO drive shaft

Disassembly

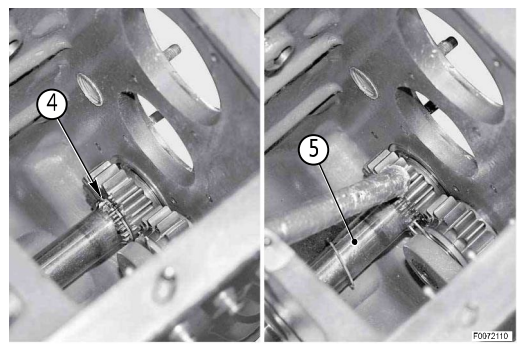
Remove nuts (1) and remove cover (2).

- o Recover O-ring (3).



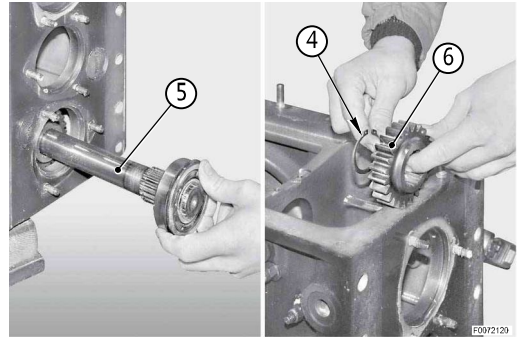
1.

Move circlip (4) towards the front of the tractor and using a soft drift drive out shaft (5).



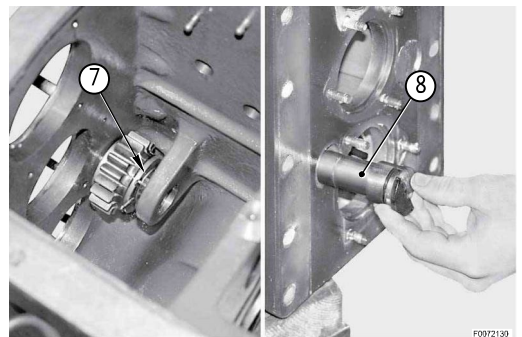
2.

Remove complete shaft (5) and remove gear (6) and circlip (4).



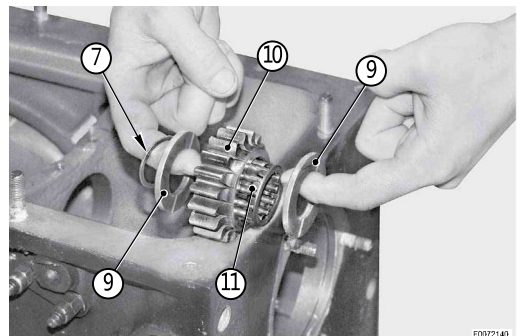
3.

Open circlip (7) and withdraw shaft (8).



4.

Remove spacers (9), gear (10), needle roller bearing (11) and circlip (7) from the transmission casing.



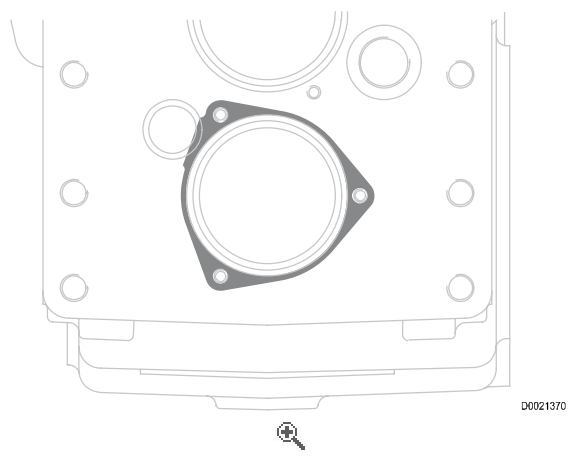
5.

Assembly

To assemble, follow the disassembly steps in reverse order and use caution in relation to the following procedures:

Procedure 1

- Take care to install the cover the right way round.
 - Mating face: Silastic 738

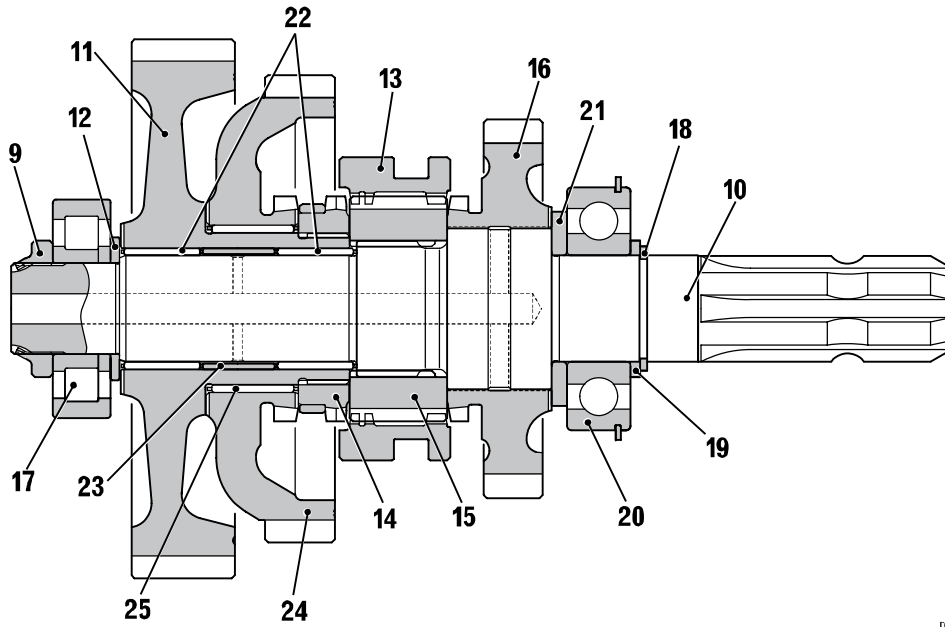


D0021370

T.D59.21.D0.14.00.00.02 - v1



PTO final shaft.



D0021310

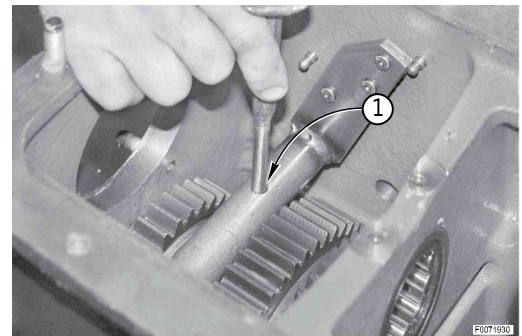


Fig. PTO final shaft.

Disassembly

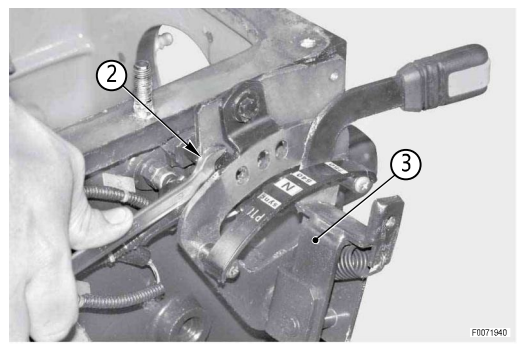
Remove PTO input shaft.

Withdraw spring pin (1).



1.

Remove screw (2) and simultaneously withdraw PTO speed selector assembly (3).

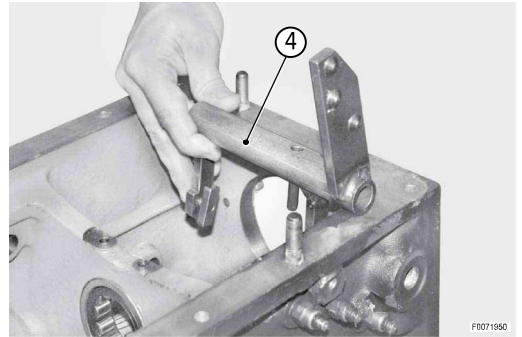


F0071940



2.

Remove PTO speed selector fork (4).



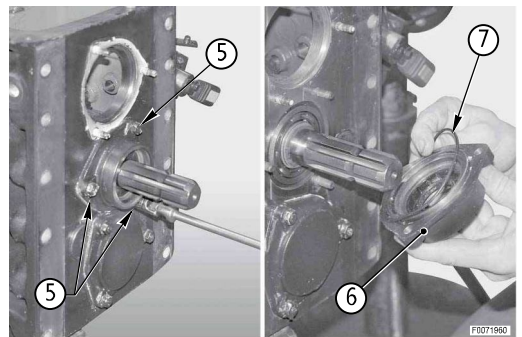
F0071950



3.

Remove nuts (5) and remove cover (6).

- o Recover O-ring (7).



F0071960

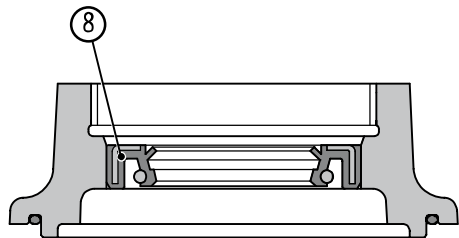


4.

Only if necessary

Remove oil seal (8).

- o Note which way round the oil seal is installed.



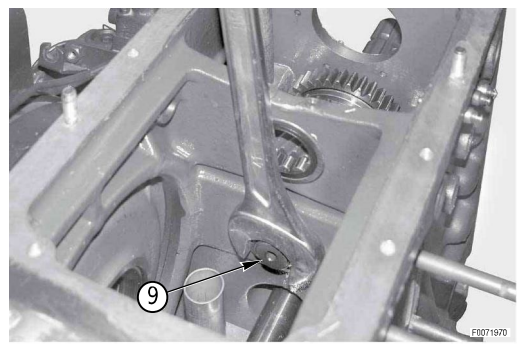
D0021320



5.

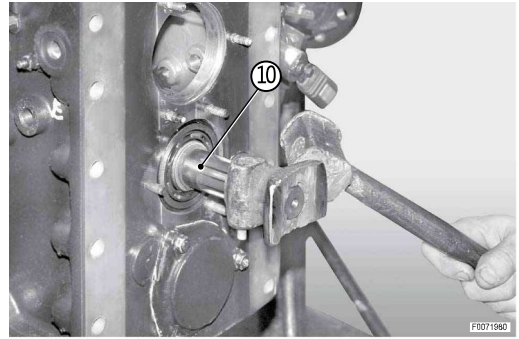
Using a bar made of soft material to hold the shaft against rotation, remove nut (9).

- o Fit a new nut on reassembly.



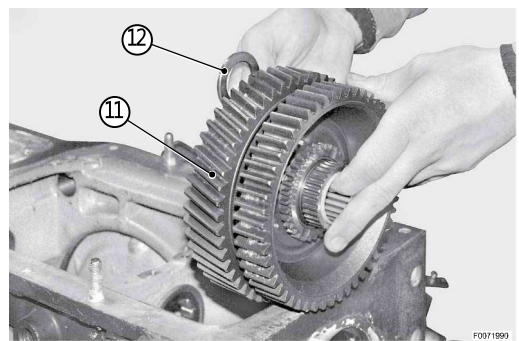
6.

Using suitable tool, partially withdraw PTO output shaft (10).



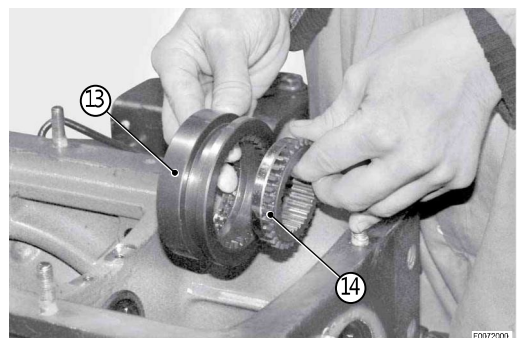
7.

Remove the gear cluster (11) and the spacer (12).



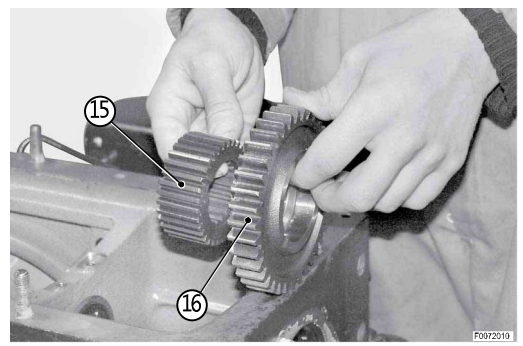
8.

Remove selector sleeve (13) and coupler (14).



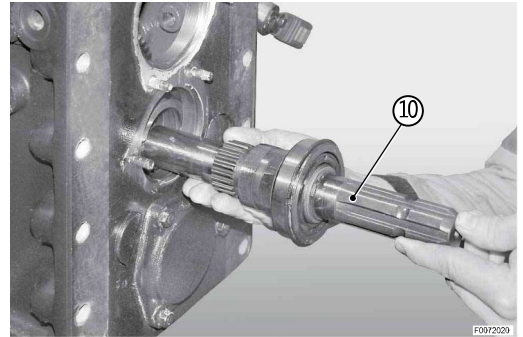
9.

Remove sliding coupler (15) and driven gear (16) of the Groundspeed PTO.



10.

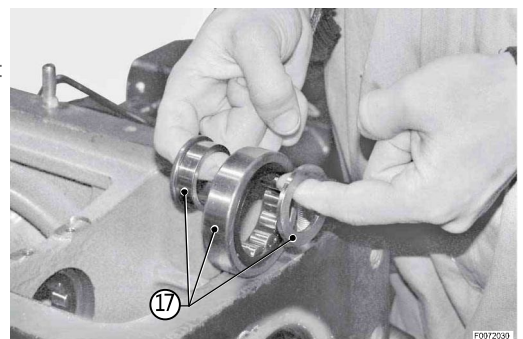
Remove PTO output shaft (10).



11.

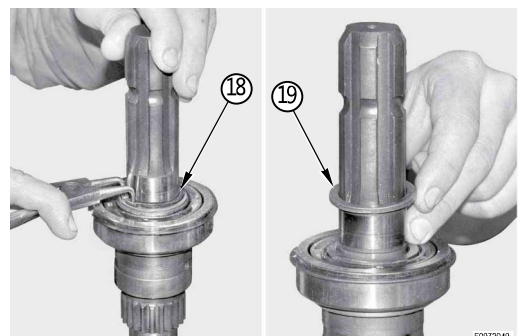
Remove complete bearing assembly (17) from the transmission casing.

- o Note which way round the inner ring of the bearing and the thrust plate are installed.



12.

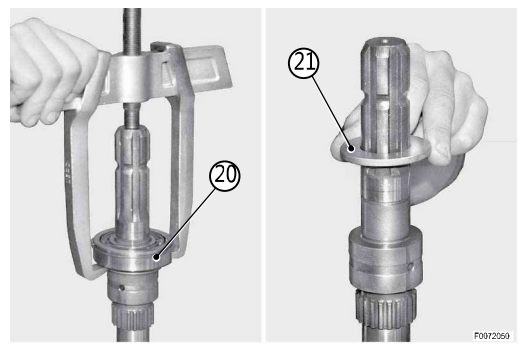
Remove circlip (18) and remove spacer (19).



13.

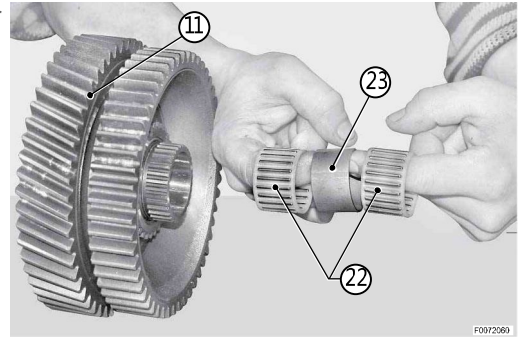
Using a puller remove bearing (20) and remove the spacer (21).

- o Note the position of the thrust plate of the bearing.



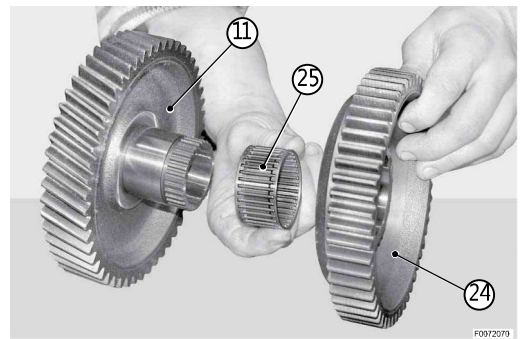
14.

Withdraw the needle roller bearings (22) and the spacer (23) from the gear cluster (11).



15.

Separate gear (24) from gear (11) and remove needle roller bearing (25).



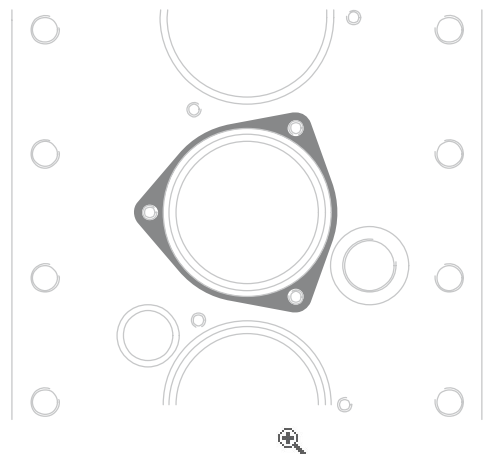
16.

Assembly

To assemble, follow the disassembly steps in reverse order and use caution in relation to the following procedures:

Procedure 4

- Mating face: Silastic 738



D0021330

Procedure 6

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