



Type

ALL TYPES

XXX X

fitted with JB/JC gearbox

21 GEAR SELECTION IMPOSSIBLE - OIL LEAK FROM THE GEARBOX

Other sub-section concerned: 08 37

- Engine: XXX
- Gearbox: JB/JC

Basic manual:
– Manual: JB/JC
– Technical Note: 3483A

CUSTOMER COMPLAINT

- Gear selection impossible when stopping.
- Oil leak from under the vehicle from the gearbox.

POSSIBLE CAUSE

- Displacement of the gearbox selector shaft seal.

FAULT FINDING

- Check the position and/or condition of the gearbox selector shaft seal.

CLAIM COMPLETION AND CODING

Destination of removed parts:

- As per Warranty Policy and Procedures Manual.

Without Warranty Policy and Service Contract

NITG code: B21J

With Warranty Policy and Service Contract

Catalogue function: 164 for PV
165 for UV

Cause reference: 77 03 087 163

With or without Warranty Policy and Procedures Manual

Supplier code: 050
Customer complaint code: 7G/4D

AFTER-SALES SOLUTION

Operation to be carried out:

Gear selection impossible with displaced seal but no oil leak: apply **operation no. 1**.
Gear selection impossible with a damaged selector shaft seal but no oil leak: apply **operation no. 2**.
Oil leak from the gearbox through the selector shaft seal: apply **operation no. 2**.

Vehicles concerned:

- All types fitted with a JB/JC gearbox.

When to take action:

- Upon receipt of a customer complaint.

Tooling required:

- Conventional.
- Specialised, see the Repair Manual.

"The repair methods given by the manufacturer in this document are based on the technical specifications current when it was prepared.

The methods may be modified as a result of changes introduced by the manufacturer in the production of the various component units and accessories from which his vehicles are constructed."

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OPERATION No. 1

SEALING THE SELECTOR SHAFT SEAL

Operation code	Title	Time allowed (in hours)
2999	Sealing lip seal	1.0
0129	Basic road test	0.5
	TOTAL	1.5

Parts required:

- 1 SA 16 seal **Part no.: 77 03 062 062**
- 1 bottle SCELBOC **Part no.: 77 01 394 072**
- 1 cleaner **Part no.: 77 11 171 911**

Description of the operation:

- On a lift drain the gearbox.
- Remove the return spring (A) (**Fig. 1**) and the point of resistance of 5th gear (B) (**Fig. 1**).
- Slide the dust seal gaiter (C) along the selector shaft (D) (**Fig. 2**).
- Remove the selector shaft seal (E) from its housing (F) and allow the oil to flow along the selector shaft (D) (**Fig. 2**) for 2 hours.
- Degrease the selector shaft seal (E), the selector shaft (D) and the seal housing (F) (**Fig. 2**) with a cleaner (for example **Part no.: 77 11 171 911**).

NOTE:

Degrease the components well before installation.

- Dry the degreased components.
- Place a strip of SCELBOC around the perimeter of the seal (E) on the zone (G) (**Fig. 2**).
- Refit the seal in place, respecting the fitting dimensions (see the JB/JC Manual).
- Refit the components in reverse order to removal.
- Leave to dry for 1 hour before filling and topping up the oil in the gearbox.
- Perform a basic road test and check that the seal has stayed in place.

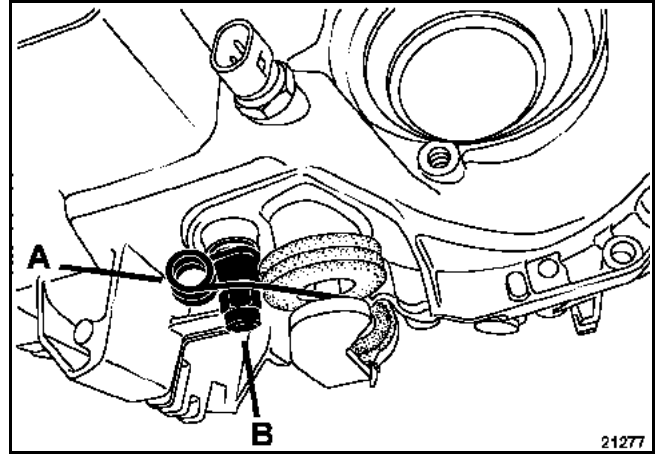


Fig. 1

- A - Return spring
- B - Point of resistance of 5th gear

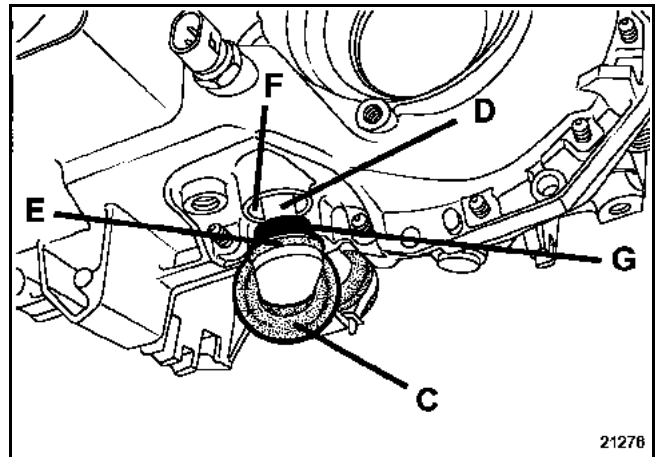


Fig. 2

- C - Dust seal gaiter
- D - Selector shaft
- E - Selector shaft seal
- F - Selector shaft seal housing
- G - SCELBOC position zone

OPERATION No. 2

REPLACING THE SELECTOR SHAFT SEAL

Operation code: As per TM
Time allowed: As per TM

Parts required:

- Parts required according to Replacement parts catalogue or Dialogys.

Description of the operation:

- According to the Repair Manual.