



# All types

Type

S/Section

XXX X

23

## 23 SEALS AND COVERS FOR PLUNGERS F2 AND F3

- Engine: XXX Basic manual: N.T. 2881A - 2967A
- Gearbox: DP0 2998A

Below is some information concerning the procedure for replacing the seal and cover for control plungers F2 and F3 for Automatic Transmission DP0.

"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 by the manufacturer in the production of the various component units and accessories from which his vehicles are constructed".

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# AUTOMATIC TRANSMISSION

## Draining the oil

23

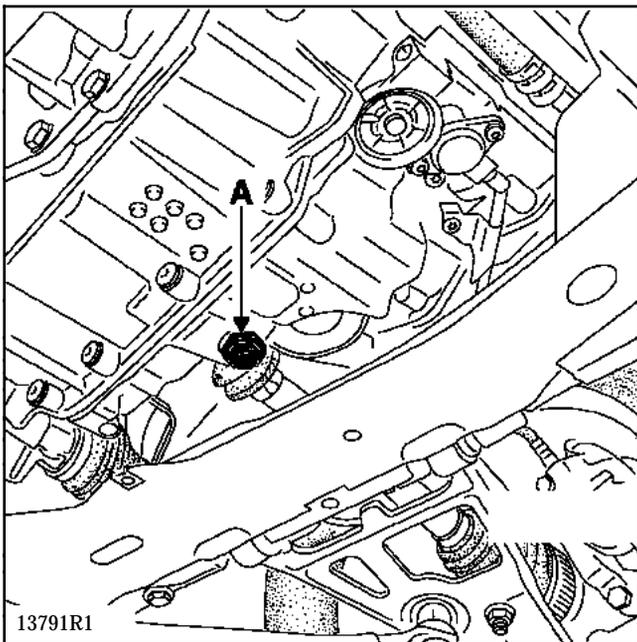
Drain the gearbox using the procedure described below.

TIGHTENING TORQUES (in daN.m)	
Drain plug	2.5
Level overflow	3.5

### DRAINING

It is best to drain the automatic transmission when the oil is warm (60°C maximum), to eliminate the maximum of impurities.

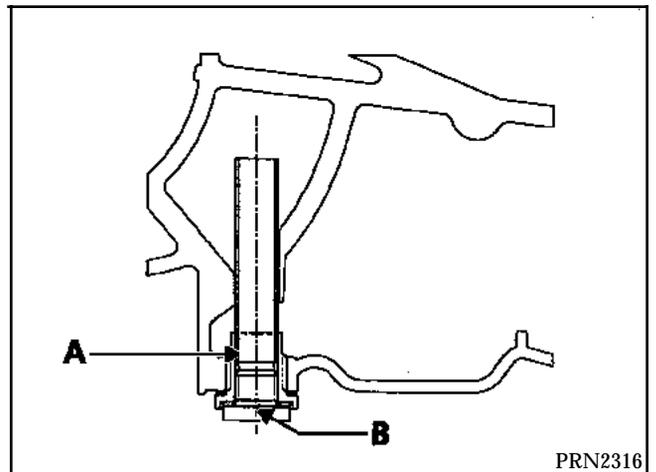
Draining is carried out by removing plug (A).



### Special notes:

The plug has two functions :

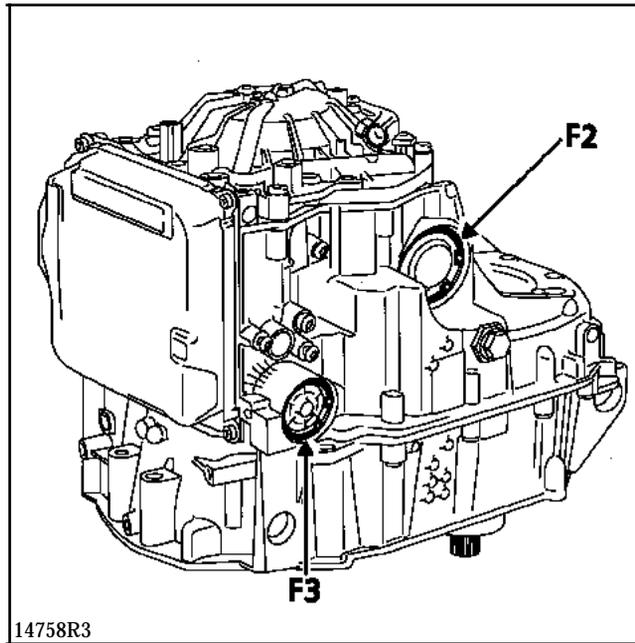
- draining (by removing the oil overflow (A)),
- topping up (by removing plug (B)).



# AUTOMATIC TRANSMISSION

## Replacing seal F2 or F3

Compress the control plunger cover causing the problem (F2 or F3) and remove the circlips.

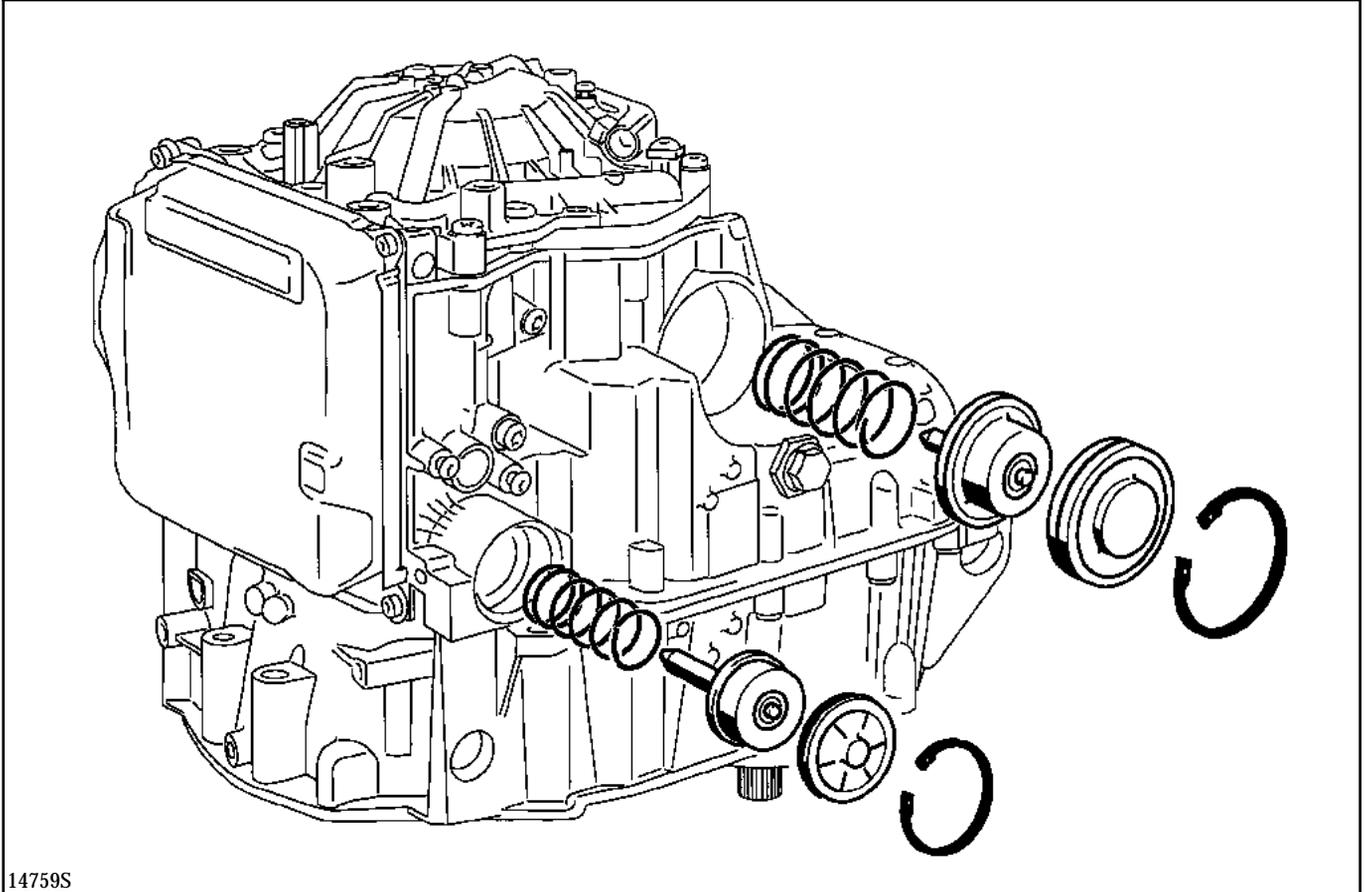


# AUTOMATIC TRANSMISSION

## Replacing seal F2 or F3

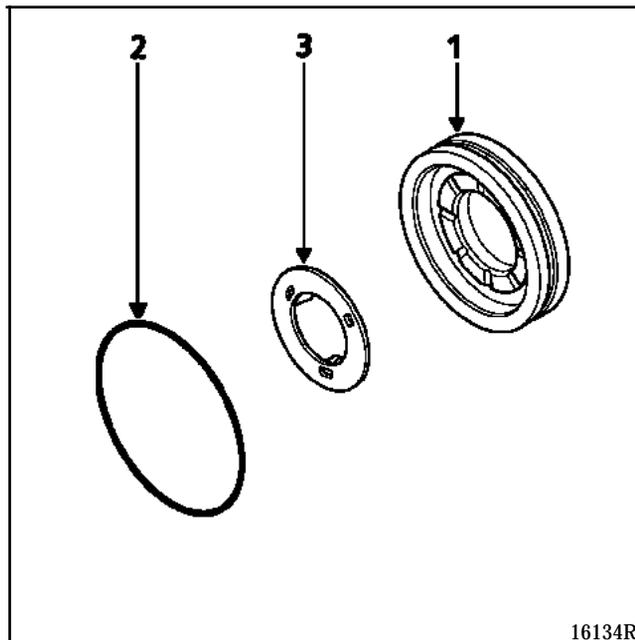
Remove the cover, plunger and spring.

Clean the entire assembly with degreaser (white spirit)



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Replace the cover (1), the O-ring (2) and the shim (3).

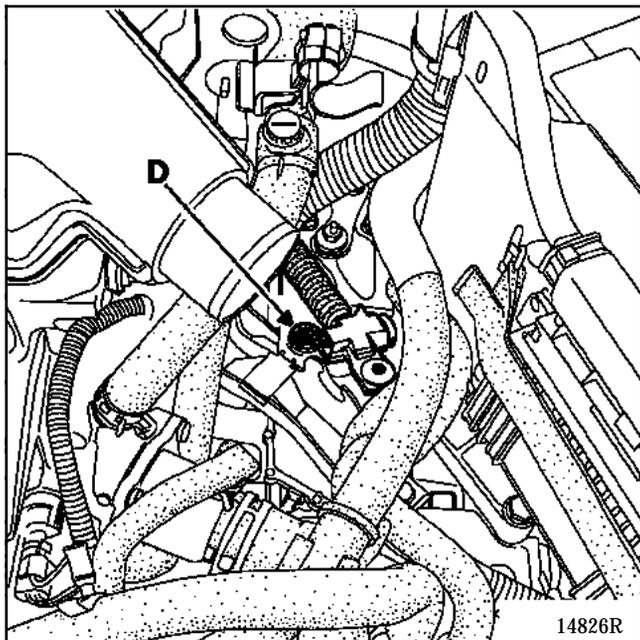


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Refit in reverse order to removal.

### FILLING

Filling is carried out via hole (D).



Use a funnel with a 15/100 filter to prevent impurities entering the system.

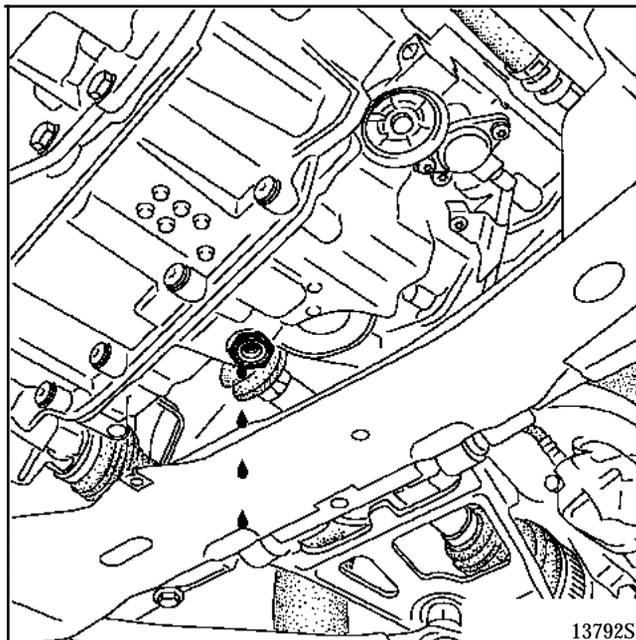
### FILLING PROCEDURE

- 1 - Park the vehicle on level ground.
- 2 - Fill the automatic transmission with **3.5 litres** of new oil.
- 3 - Run the engine at idle speed.
- 4 - Connect the XR25, enter:  

D	1	4
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 then 

#	0	4
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- 5 - When a temperature of  $60^{\circ}\text{C} \pm 1^{\circ}\text{C}$  is reached, open the oil topping up plug.
- 6 - Position a container to collect a minimum of 0.1 litres of surplus oil and wait until the oil runs out **drop by drop**.



- 7 - Close the oil topping up plug.

### PROCEDURE FOR CHECKING THE LEVEL OUTSIDE FILLING OPERATIONS

Checking the level **MUST** be carried out in accordance with the method described below :

- 1 - Park the vehicle on level ground.
- 2 - Fill the automatic transmission with **0.5 litres** of new oil.
- 3 - Run the engine at idle speed. Carry out operations 4, 5 and 6 described previously.

If the oil does not run out or if the quantity collected is less than 0.1 litre ; stop the engine, add 0.5 litres, allow the transmission to cool to  $50^{\circ}\text{C}$  then carry out operations 3-4-5-6 again.

**IMPORTANT :** When replacing the oil, the electronic oil ageing counter must be reset to zero (inside the computer). Enter the date on which draining was carried out using command G74\*.