

Chapter 6 Manual gearbox and final drive

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Specifications

General

Gearbox type

Four-speed (R1273/1275) or five-speed (R1278); synchromesh and forward gears

Renault type number:

Four-speed

367

Five-speed

369

Gear ratios (:1)

1st	
2nd	
3rd	
4th	
5th	
Reverse	

Four-speed

3.36

2.06

1.32

0.93

–

3.18

Five-speed

3.36

2.06

1.38

1.06

0.82

2.09

Final drive ratio

4.125 or 3.8 : 1 according to model

Lubrication

Oil type

Castrol Hypoy B EP80 or equivalent

Oil capacity:

4-speed, up to 1978

7.0 Imp pints (4.0 litres)

4-speed, from 1979

5.6 Imp pints (3.2 litres)

5-speed (all models)

6.0 Imp pints (3.4 litres)

Overhaul data

Differential bearings preload (see text):

Re-used bearings

New bearings

Free turning, no endfloat

2 to 7 lbf (1 to 3 kgf)

Primary shaft endfloat

0.001 to 0.005 in (0.02 to 0.12 mm)

Torque wrench settings

Gearcase half housing bolts:

8 mm

23

10 mm

34 to 41

Nm

30

46 to 55

Rear cover bolts:

8 mm

15 to 23

20 to 30

10 mm

34 to 41

46 to 55

Clutch housing bolts

34 to 41

46 to 55

Reverse gear selector bolt

23 to 30

30 to 40

Crownwheel bolts

90 to 105

120 to 140

Secondary shaft nut

90 to 113

120 to 150

Bearing plate bolts

34 to 41

45 to 55

Primary shaft nut

90 to 113

120 to 150

1 General description

Depending on the vehicle model, either a four-speed (type 367) or five-speed (type 369) gearbox will be fitted. On both gearbox types the layout is similar. The aluminium gearcasing comprises four sections,

being the clutch housing, the right- and left-hand housings, (housing the main gear assemblies also the differential unit), and the rear cover unit (containing the selector control shaft and selector finger). On the 369 gearbox, the rear cover also houses the fifth gear and its synchromesh assembly.