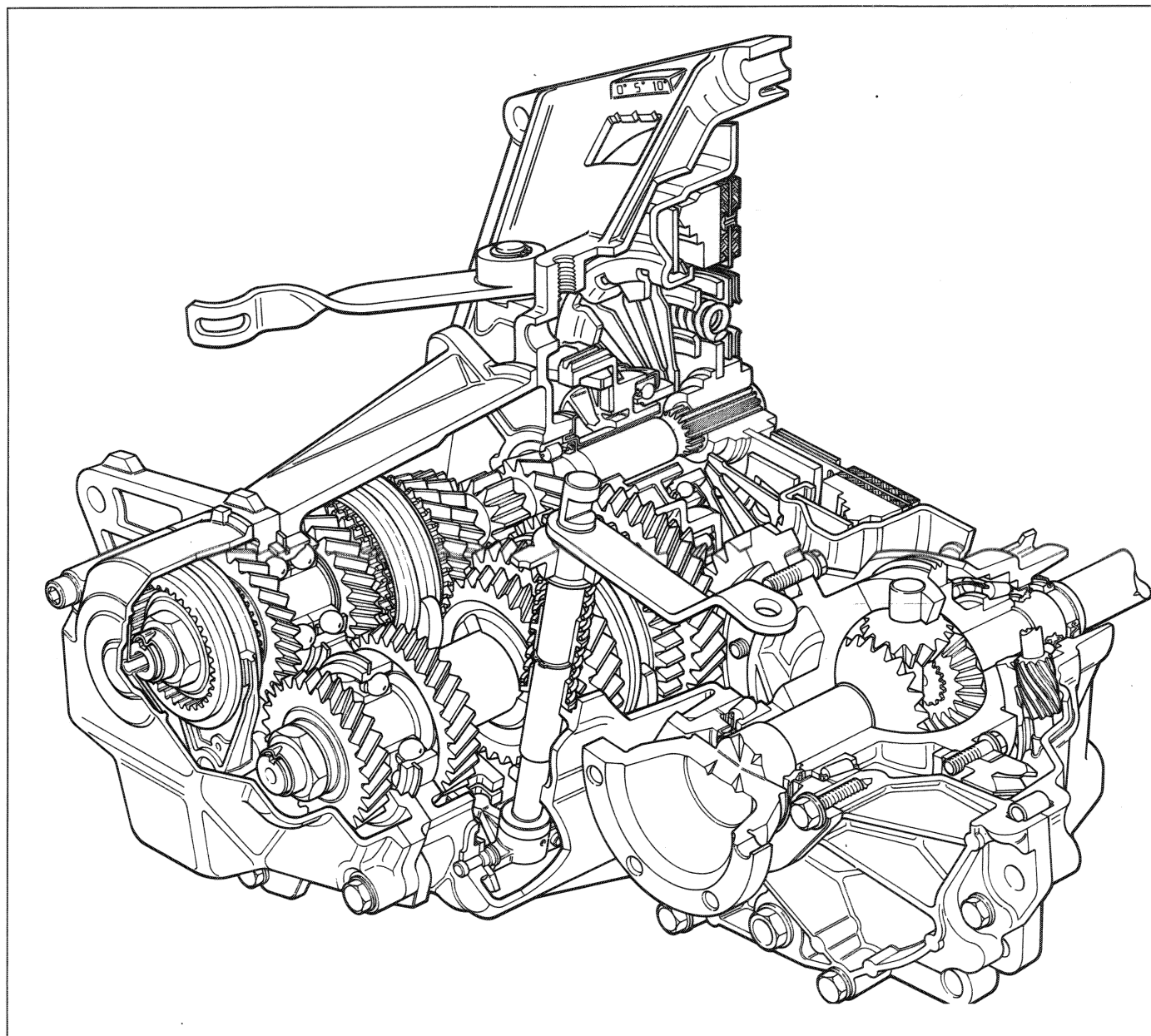


# PUNTO eMANUAL

Gearbox & differential

Title	Page
Diagram .....	1 ➡
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**21-27.**



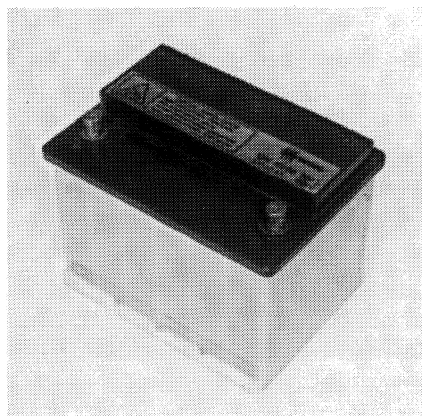
P3M020B01

**View of C 510.5.17 - C 510.5.21 gearbox partial cross section**

#### ORDER OF OPERATIONS

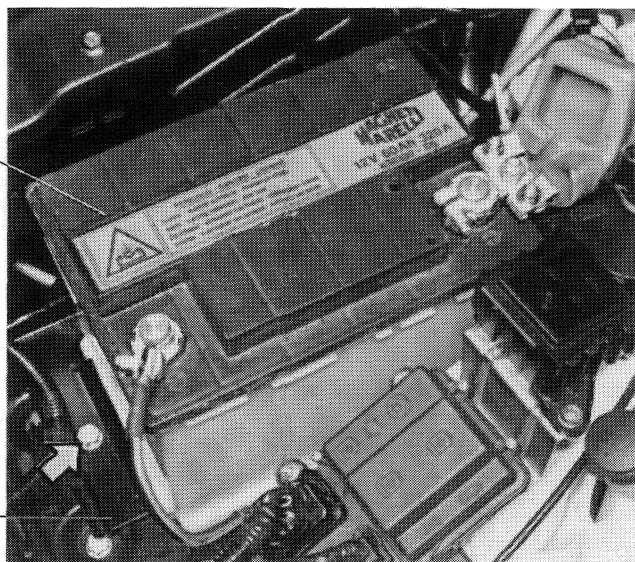
Position the vehicle on a lift.

Proceed as follows: remove the front wheels, then remove the items illustrated:

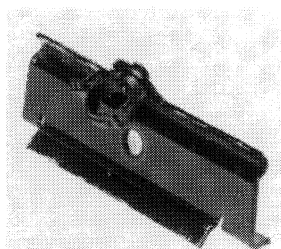
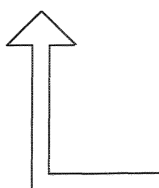


P3M021B01

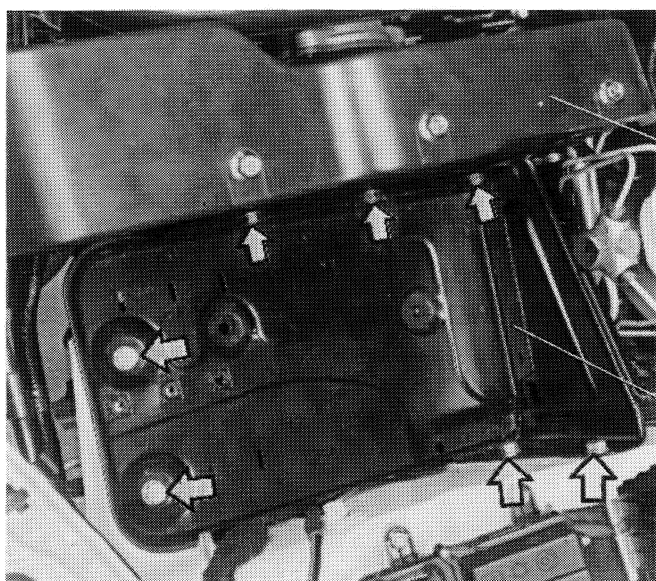
- disconnect the cables, remove the retaining bracket and remove the battery;



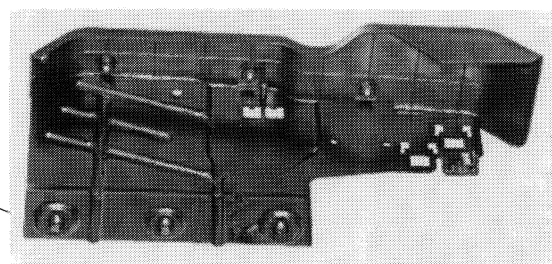
P3M021B03



P3M021B02

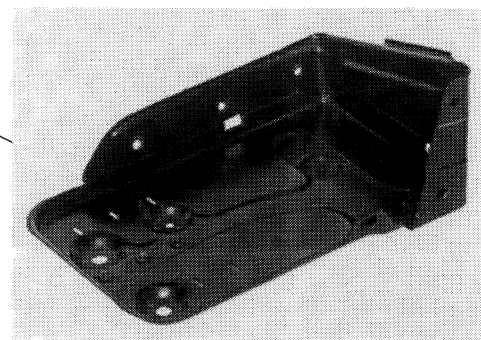


P3M021B04



P3M021B05

- acting on the bolts shown by the arrows remove the relays support and the battery tray;



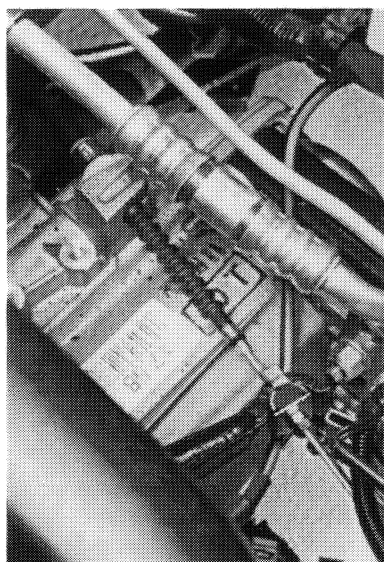
P3M021B06

# Gearbox and differential

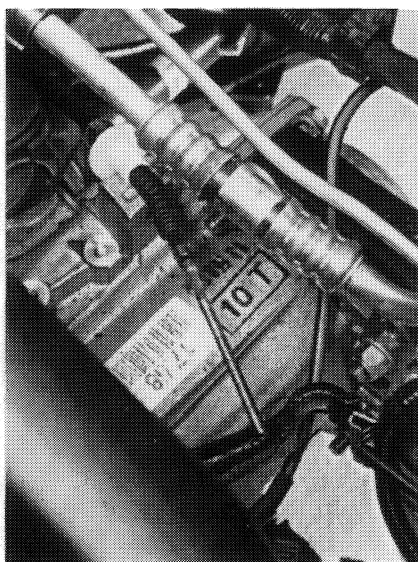
## Removing-refitting

21-27.

Punto  



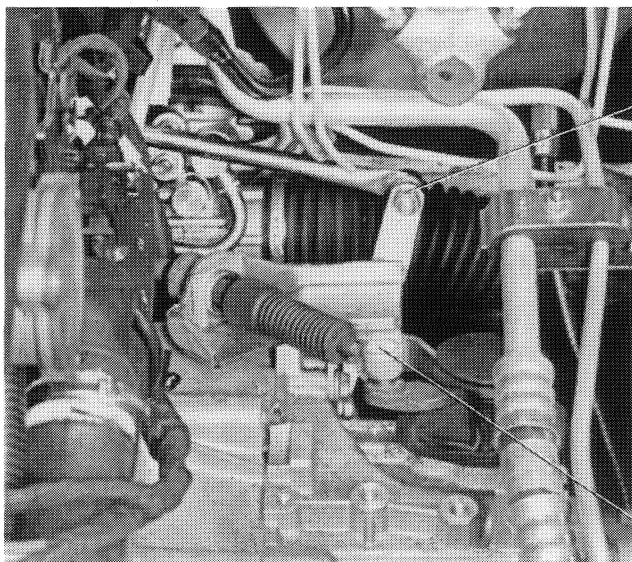
P3M022A01



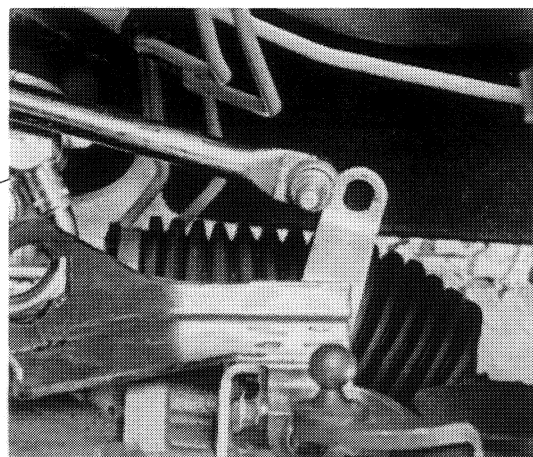
P3M022A02



- disconnect the clutch release cable from the control lever and from the retaining housing on the gearbox casing;



P3M022A04



P3M022A03

- disconnect the gear selector rod from the control lever;



P3M022A05

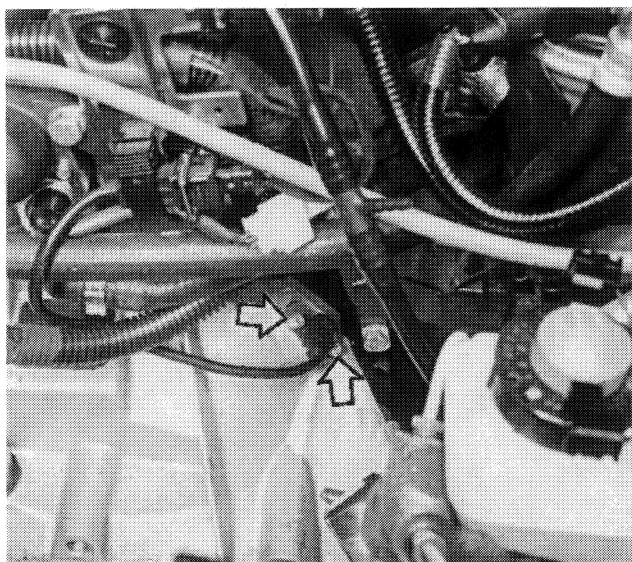
- remove the retaining clip, shown by the arrow, and disconnect the gear engagement cable from the control lever and the bracket on the gearbox;



# Gearbox and differential

## Removing-refitting

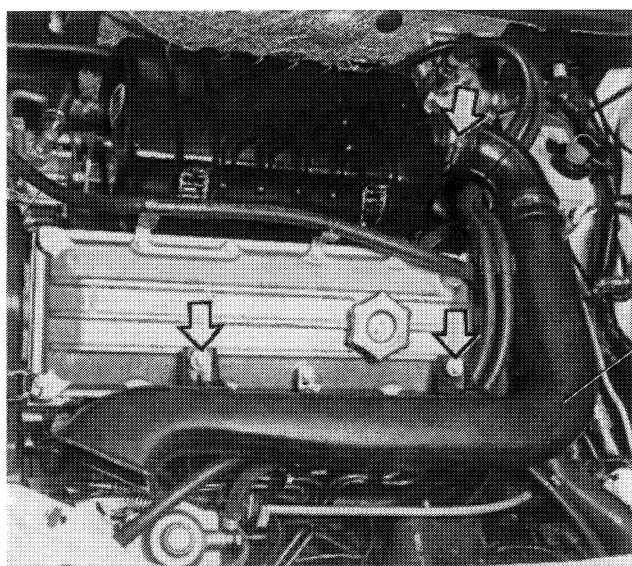
### 21-27.



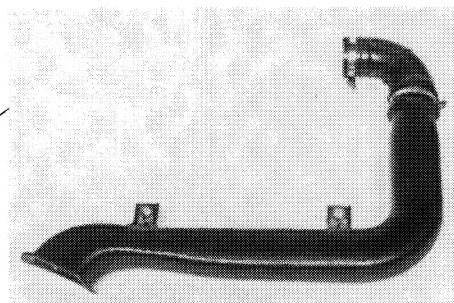
P3M023B01



- remove the electronic rev counter sensor and position it in the engine compartment;

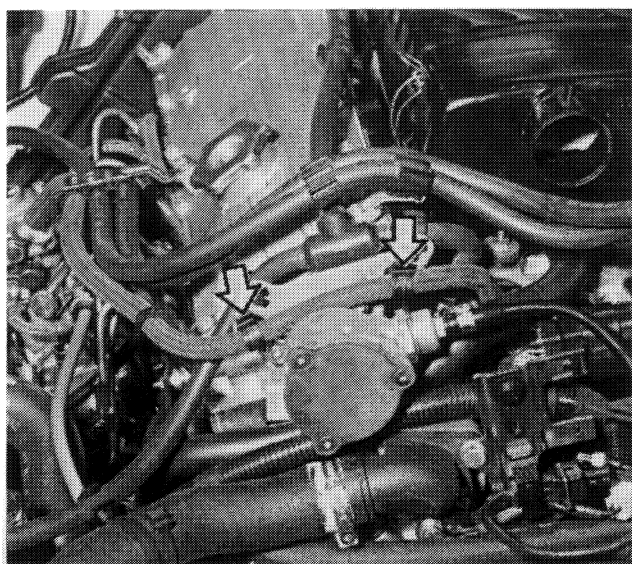


P3M023B02



P3M023B03

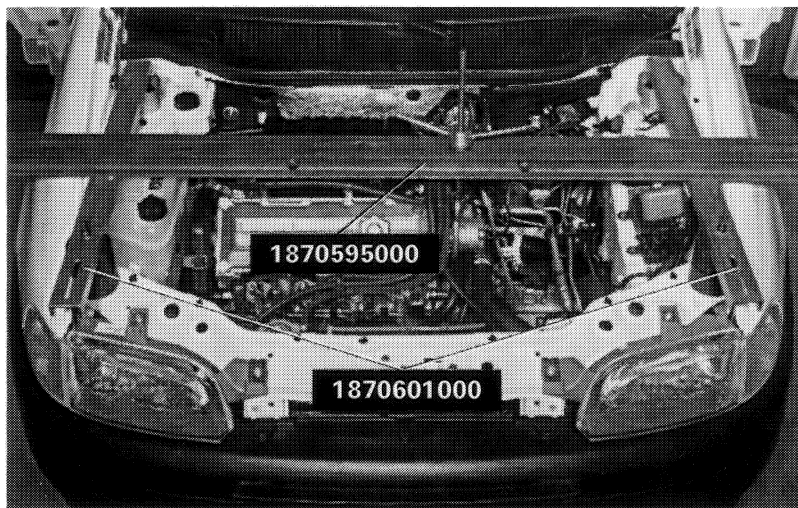
- remove the air filter pipe acting on the points shown by the arrows;



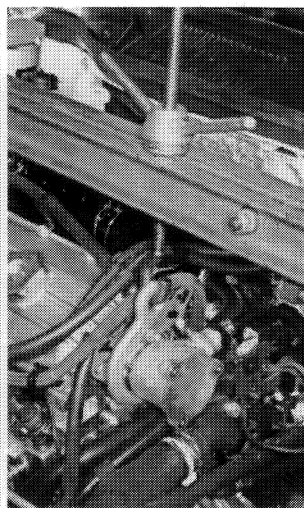
P3M023B04



- disconnect the clips, shown by the arrows, from the bracket and remove the injection pump vacuum pipe; these last operations are necessary in order to be able to fit the engine support hook;

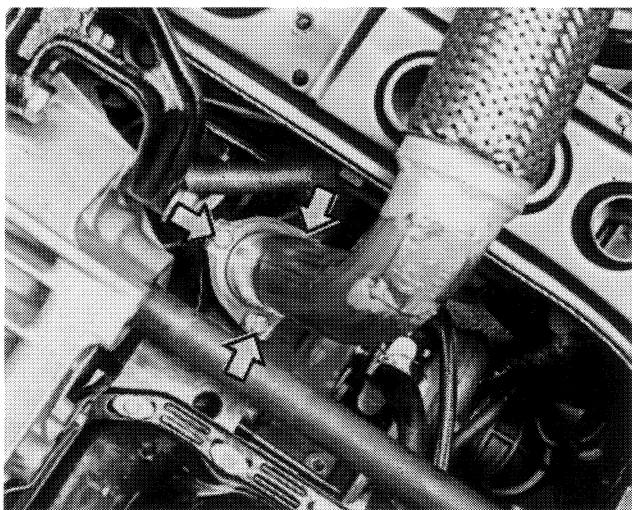


P3M024B01



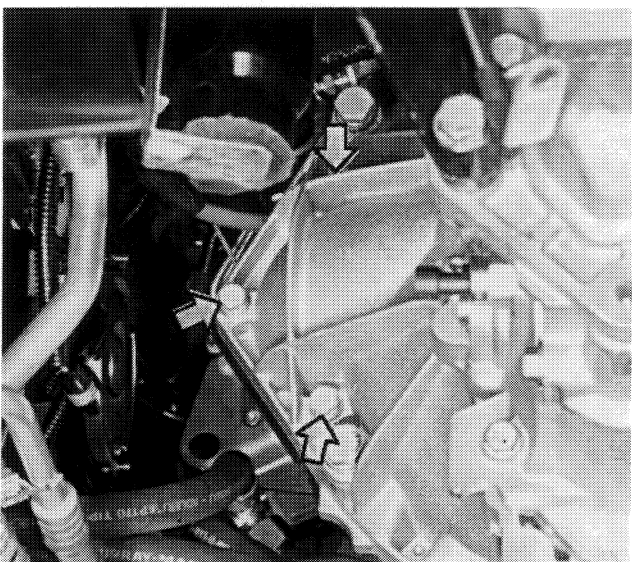
P3M024B02

- position cross member 1870595000 for supporting the engine as shown in the diagrams;



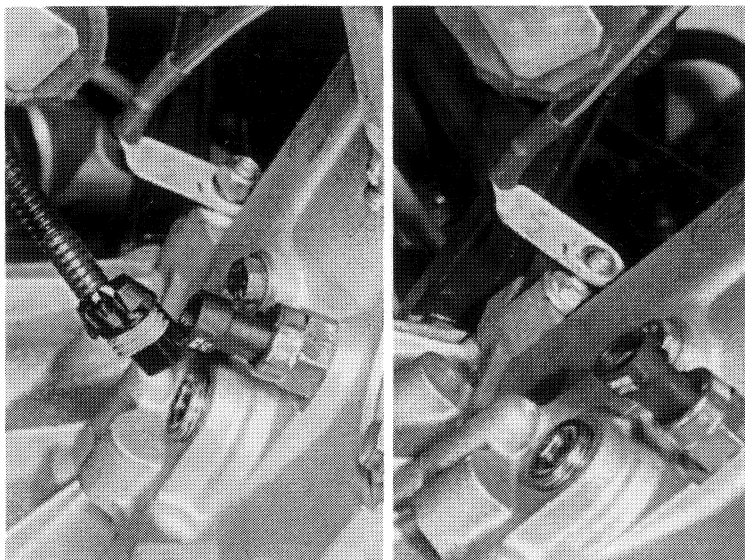
P3M024B03

- disconnect the exhaust pipe from the manifold and position it suitably;

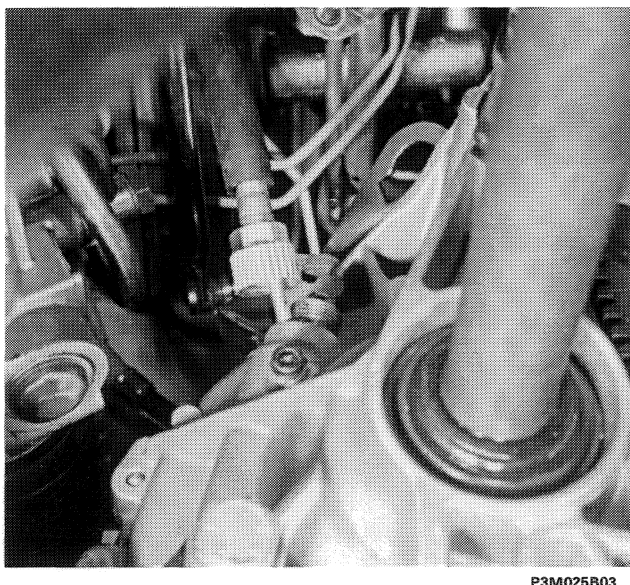


P3M024B04

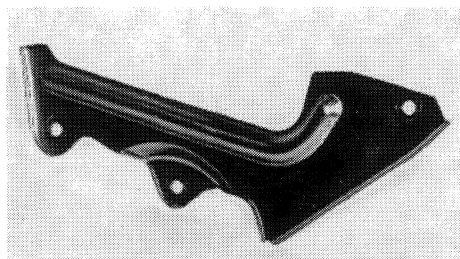
- remove the bolts fixing the starter motor to the gearbox and place the starter motor in the engine compartment;



- disconnect the electrical connection for the reversing lights and the earth cable from the gearbox casing;



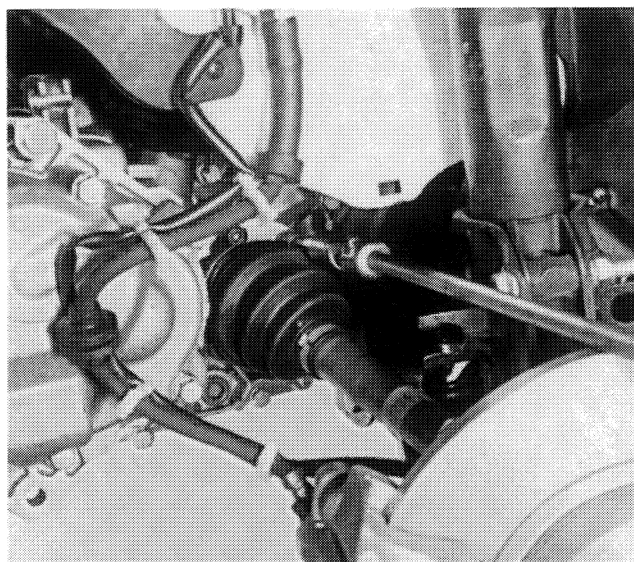
- disconnect the flexible cable for the speedometer and milometer;



- remove the engine flywheel shield;

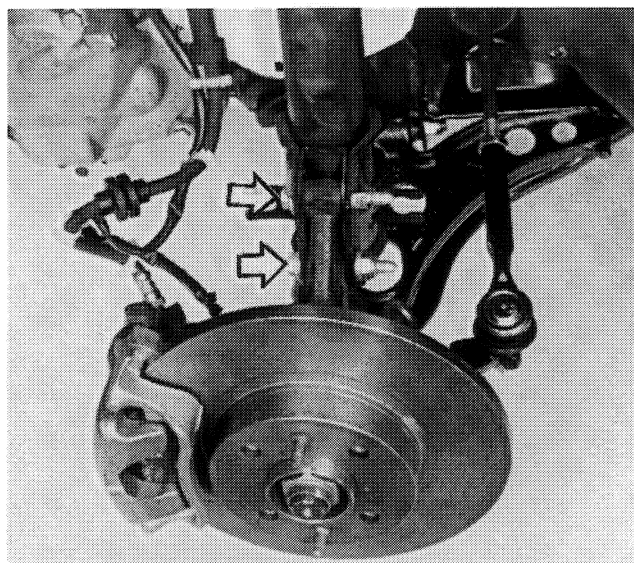


### 21-27.



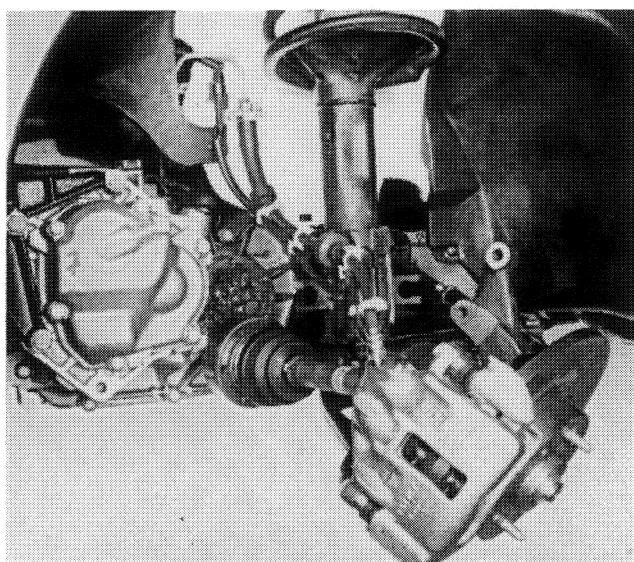
P3M026B01

- disconnect the left constant velocity joint from the relevant flange (gearbox side);



P3M026B02

- disconnect the complete damper from the left front shock absorber;



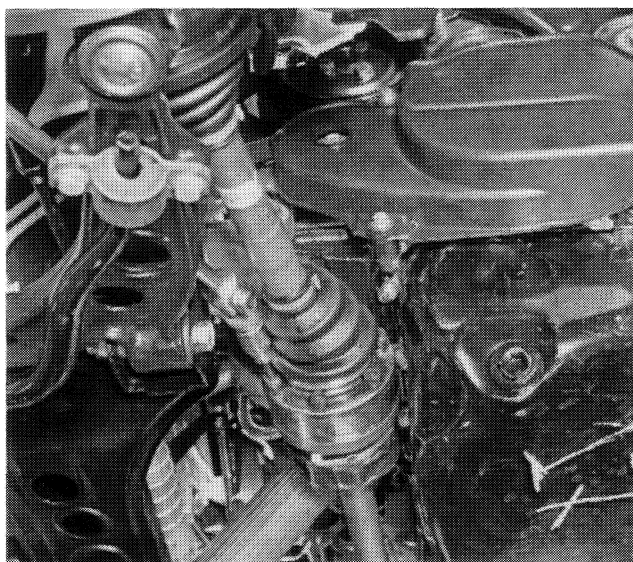
P3M026B03

- disconnect the left drive shaft from the flange and fix it to prevent the constant velocity joint boots from breaking;

# Gearbox and differential

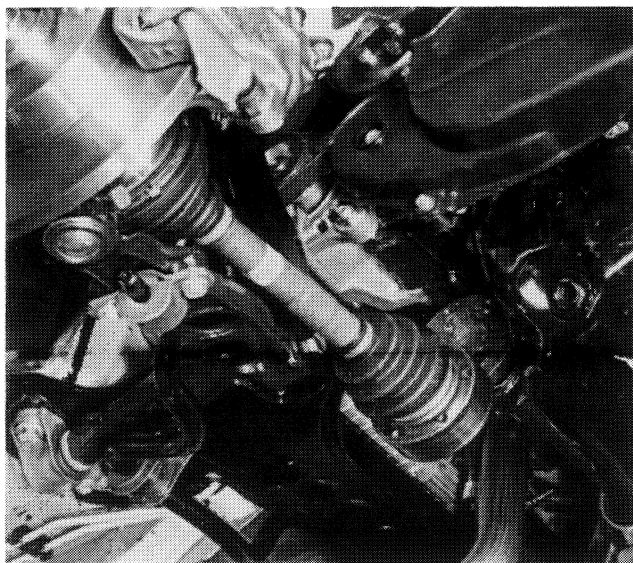
## Removing-refitting

### 21-27.



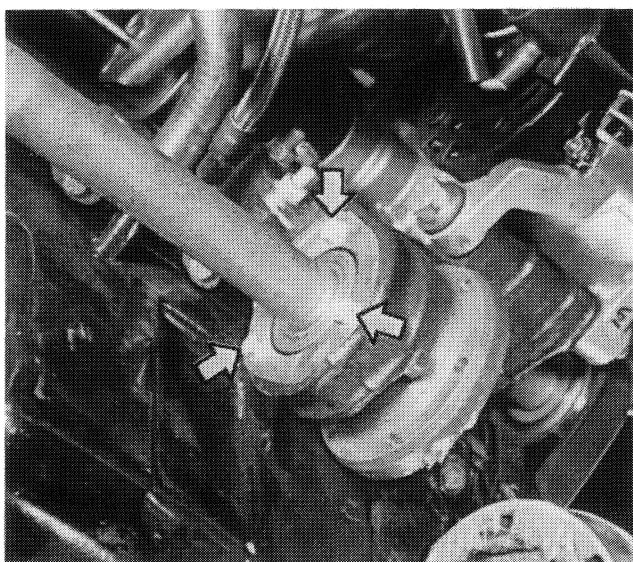
P3M027B01

- remove the bolts fixing the right constant velocity joint to the intermediate shaft flange;

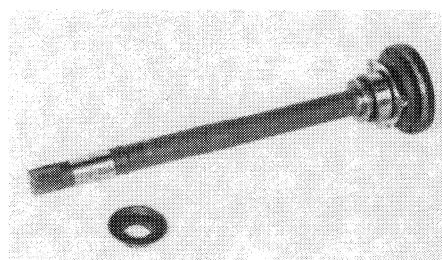


P3M027B02

- disconnect the right drive shaft and fix it to prevent the constant velocity joint rubber boots from breaking;

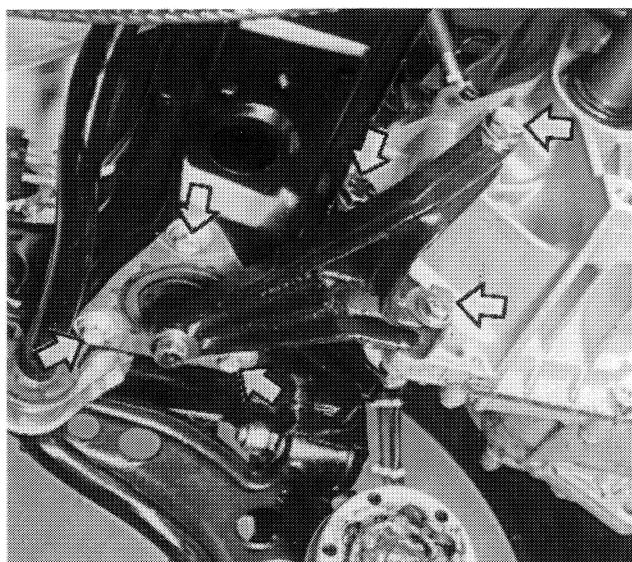


P3M027B03

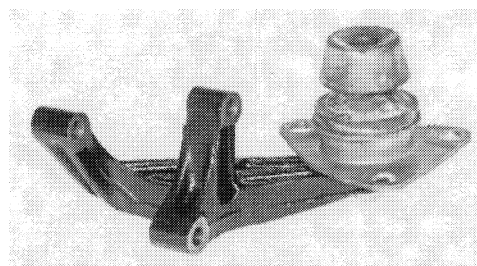


- remove the bolts fixing the intermediate shaft to the support and remove the complete intermediate shaft;



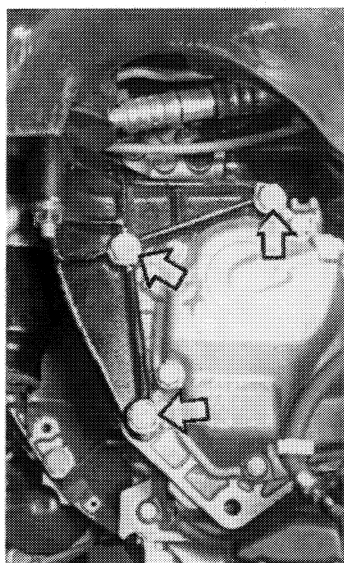


P3M028B01

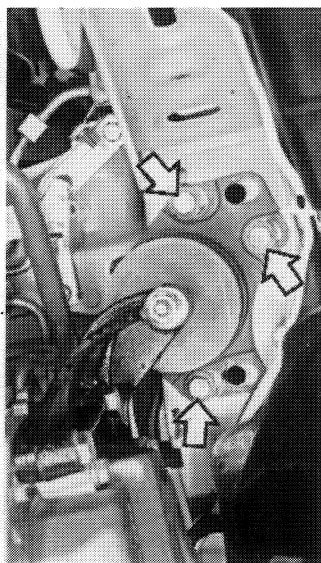


P3M028B02

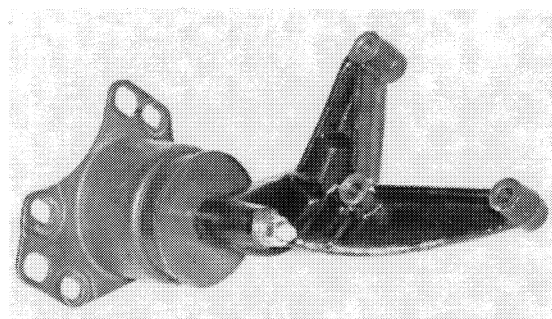
- remove the complete power unit centre support from the gearbox and the cross member;



P3M028B03

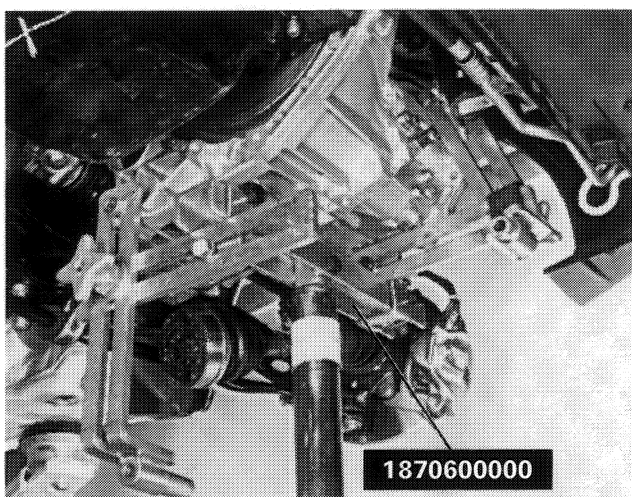


P3M028B04



P3M028B05

- remove the complete power unit support (gearbox side) from the bodyshell and from the gearbox;



P3M028B06



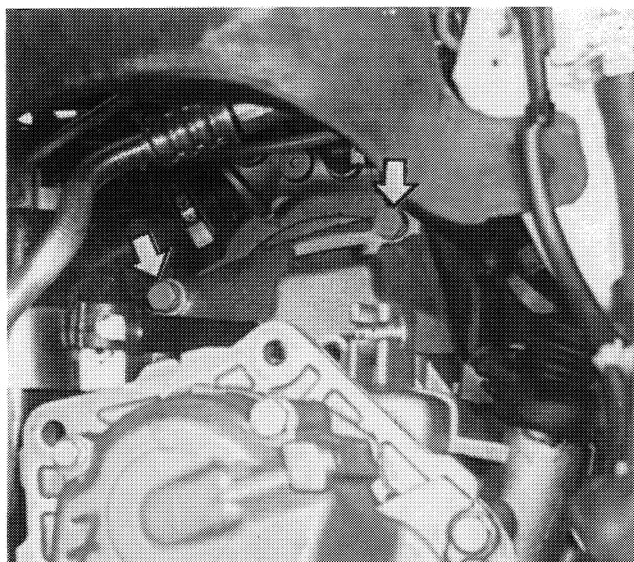
P3M028B07

- fix support 1870600000 to the gearbox, as illustrated in the diagrams and place the hydraulic lift in position;

# Gearbox and differential

## Removing-refitting

### 21-27.



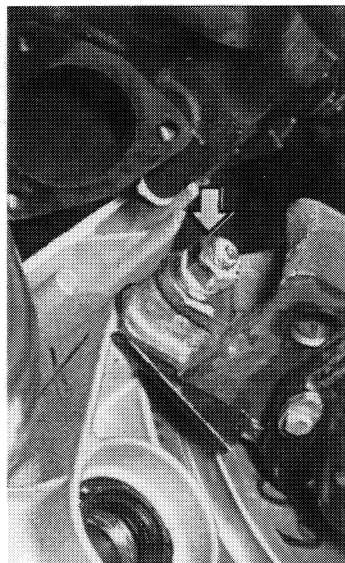
P3M029B01



- remove the upper bolts fixing the gearbox-differential unit to the engine;



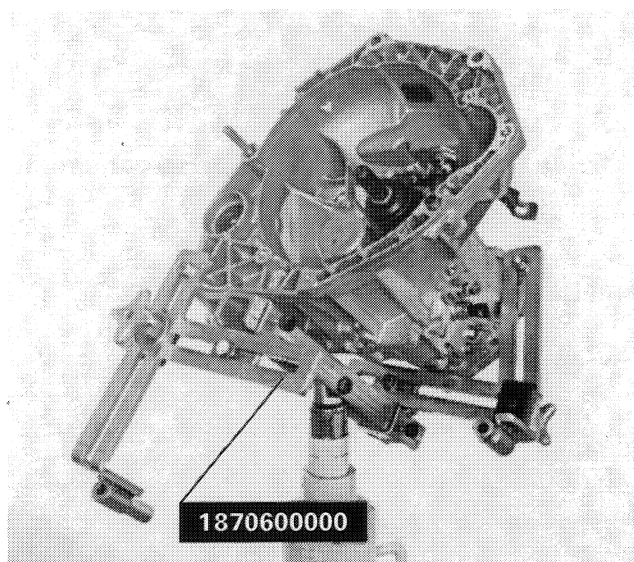
P3M029B02



P3M029B03



- remove the lower bolt and nut fixing the gearbox-differential unit to the engine;



P3M029B04



- suitably manoeuvre the gearbox-differential unit so that it is released from the centering pins on the engine and so that the clutch shaft is released from the driven disc.

Lower the hydraulic lift and extract the gearbox-differential unit.

**NOTE** When refitting the gearbox-differential unit simply reverse the order of the operations carried out for its removal.



*Clutch pedal height*