

PUNTO eMANUAL

Gearbox & differential

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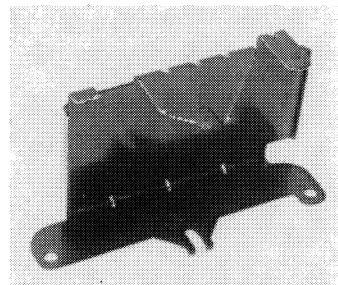
REMOVING-REFITTING 6 SPEED GEARBOX

Position the vehicle on a lift so that it is possible to extract the gearbox-differential unit from the lower part of the engine compartment, then:

- remove the front wheels
- carry out the following operations:

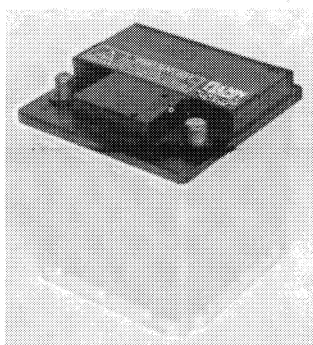


P3M011B01

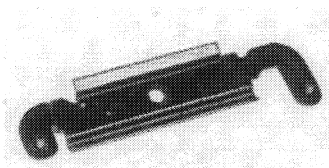


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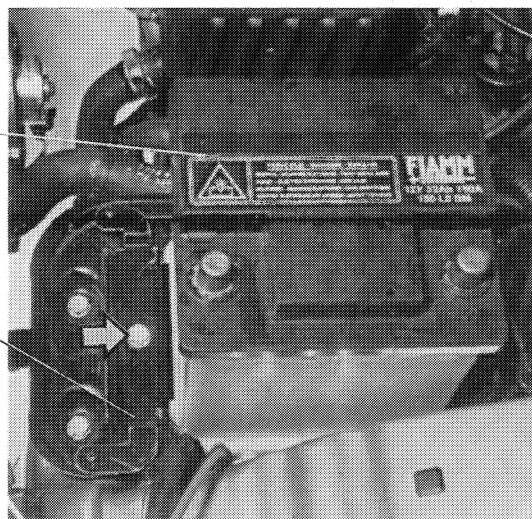
- disconnect the cables from the battery and remove the anti-theft alarm bracket;



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P3M011B04

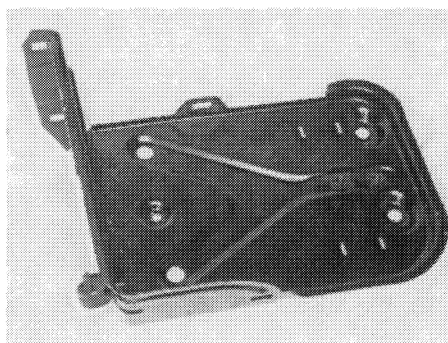


P3M011B05

- remove the retaining bracket and remove the battery;



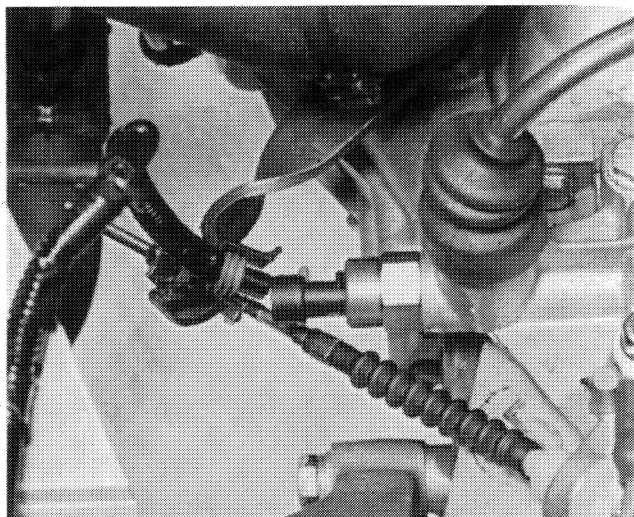
P3M011B06



P3M011B07

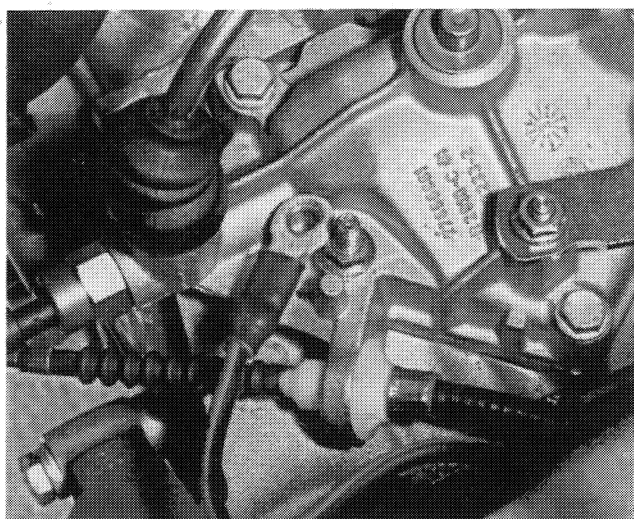
- remove the fixing bolts and remove the battery tray;

21-27.



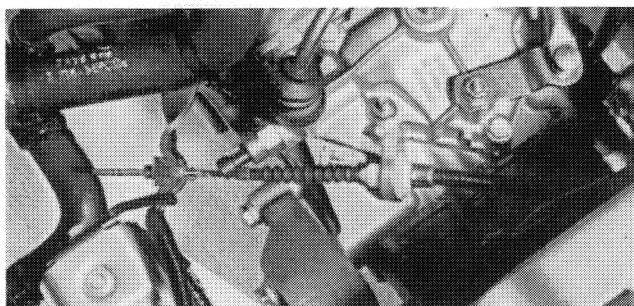
P3M012B01

- disconnect the connector for the reversing lights;

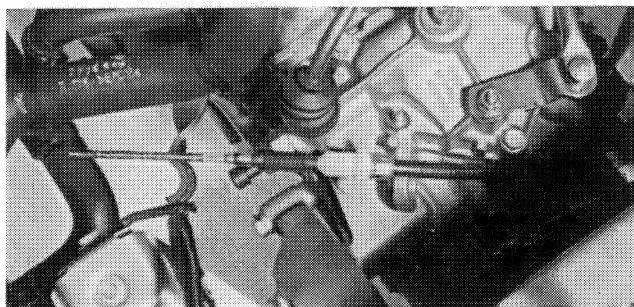


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- disconnect the earth cable from the gear-box casing;

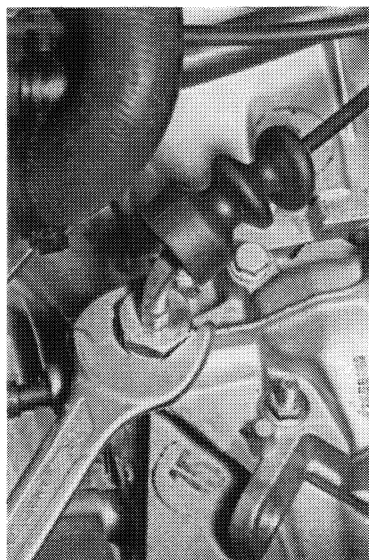


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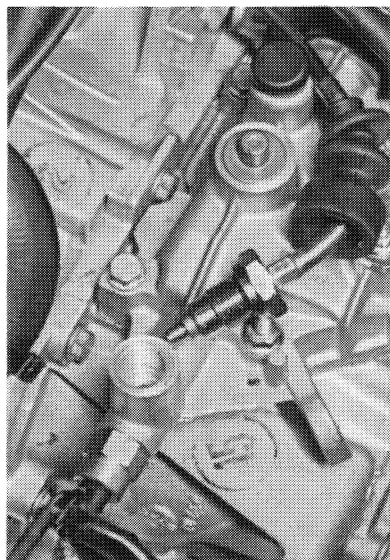


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- disconnect the clutch release cable from the gear lever and from the cable retaining housing in the gearbox casing;



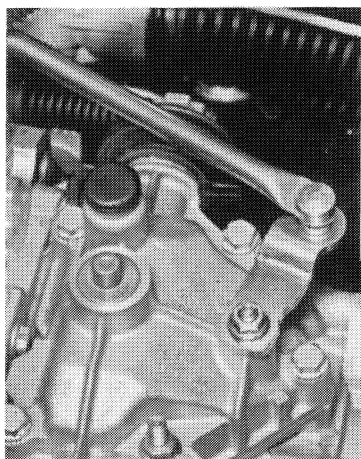
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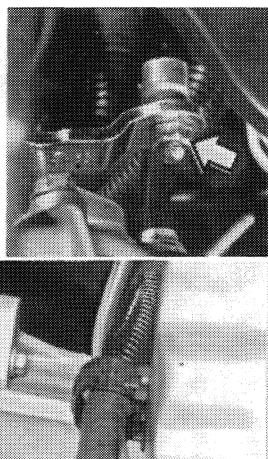
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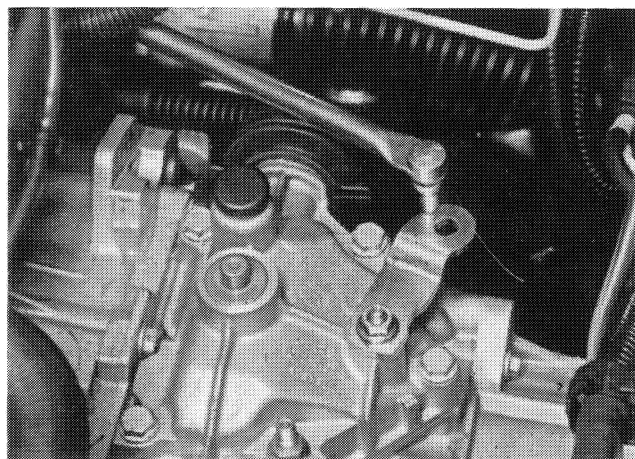
- remove the reverse gear inhibitor device;



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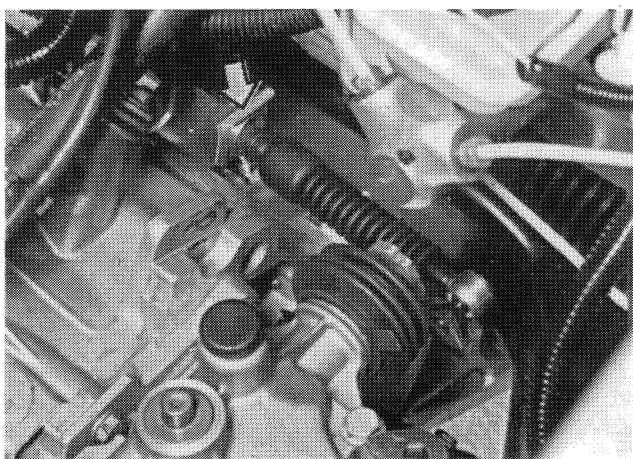


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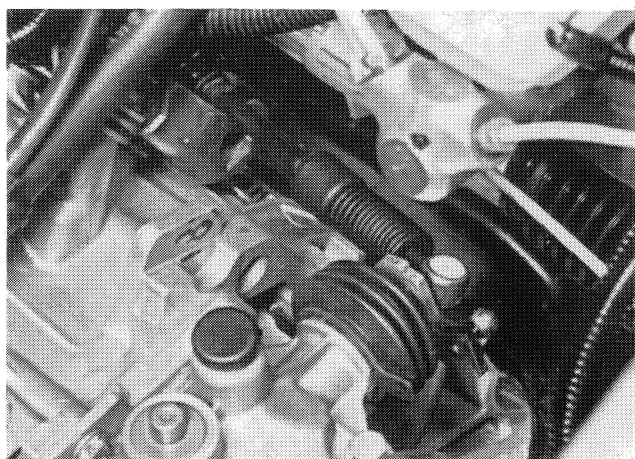


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- remove the nut, shown by the arrow and disconnect the gear selector control rod from the control lever;

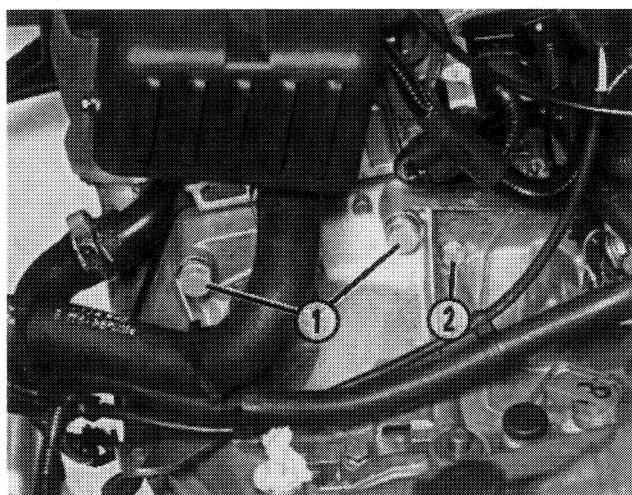


P3MQ13B06



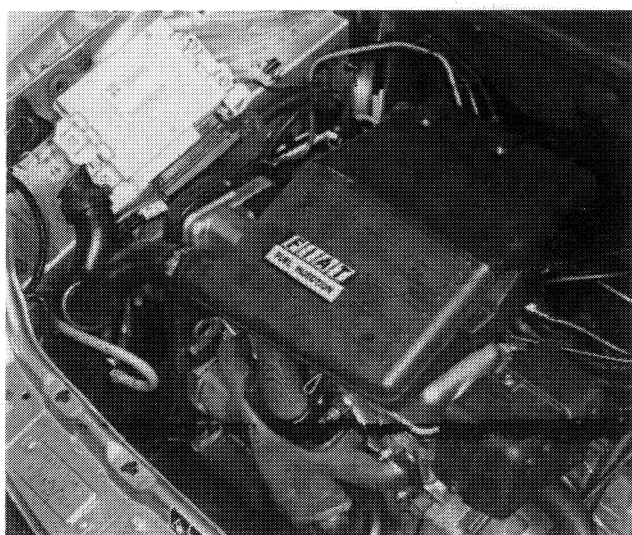
P3M013B07

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

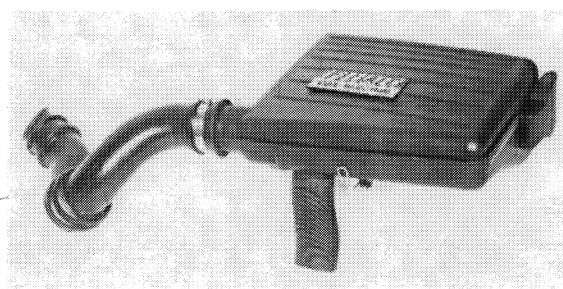


P3M014B01

- remove the upper bolts (1) fixing the gear-box to the engine and the bolt (2) fixing the starter motor to the gearbox;

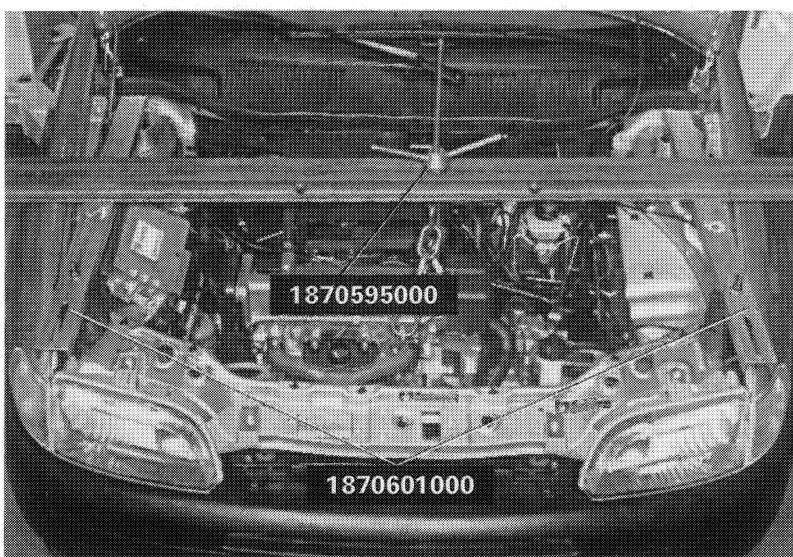


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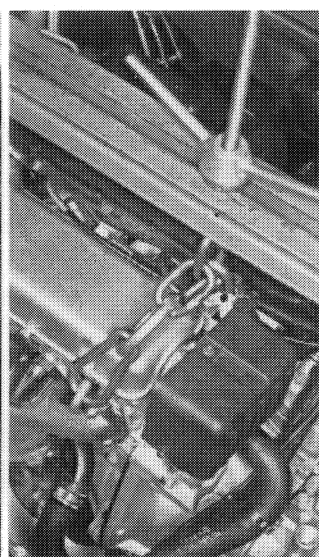


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- remove the front section of the air filter, this operation is necessary in order to be able to fit the engine supporting hook;

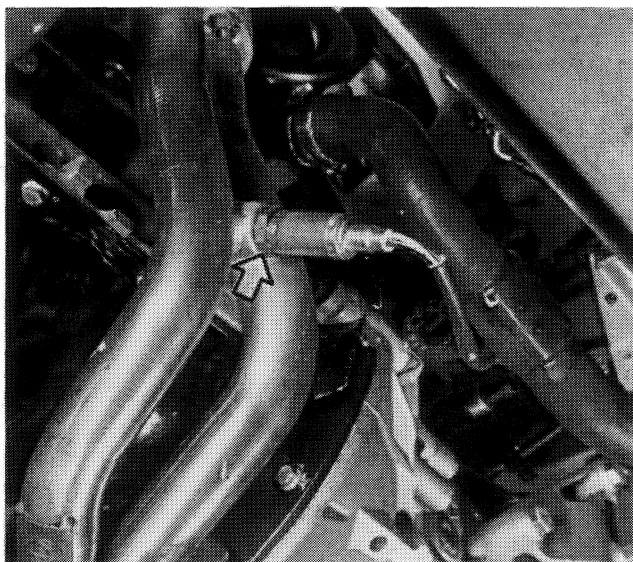


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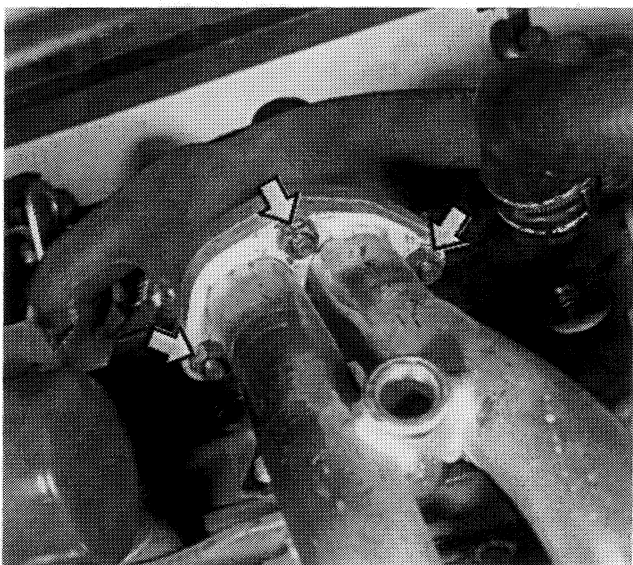
P3M014B05

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

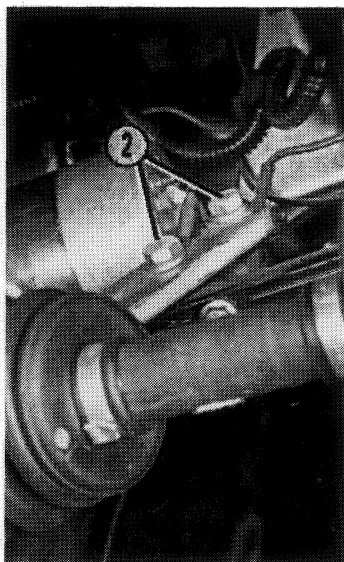
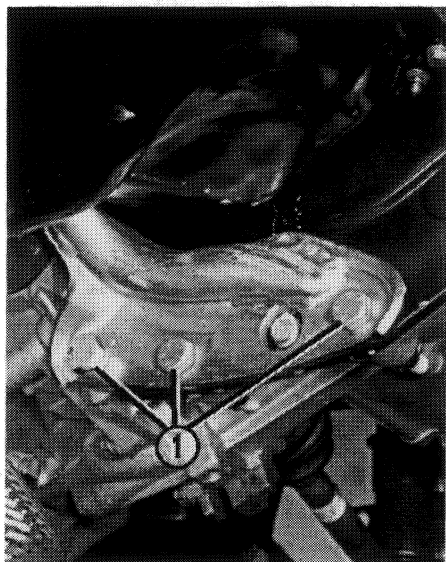


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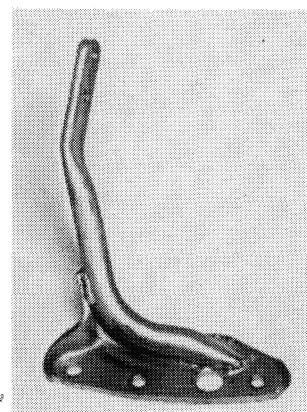
- disconnect the LAMDA sensor from the exhaust pipe;



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

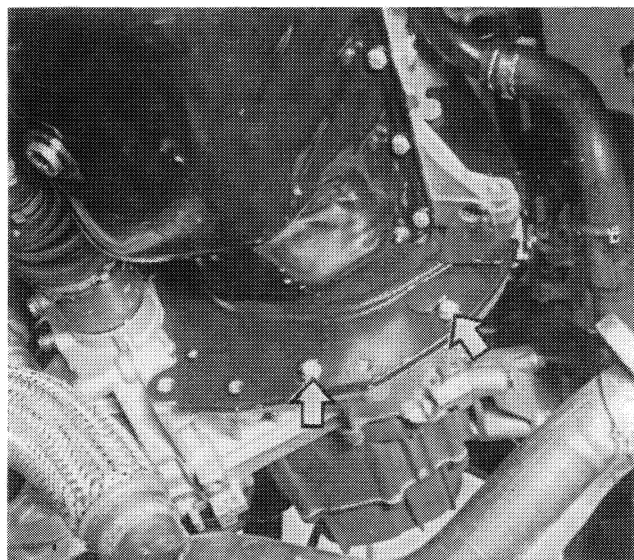


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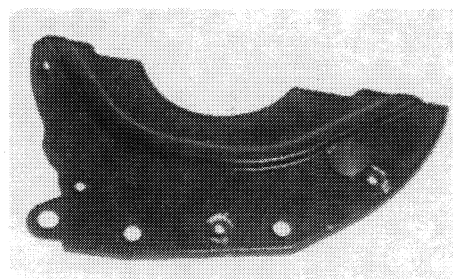


P3M015B05

- remove the torsion bracket from the gearbox (1) and from the engine crankcase (2);

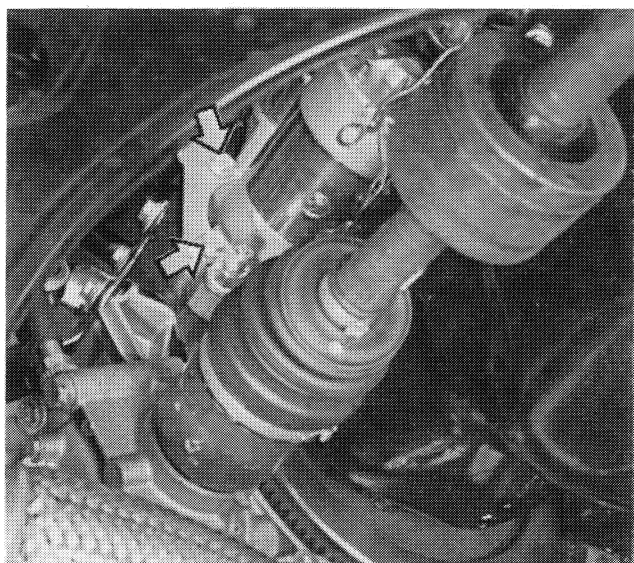


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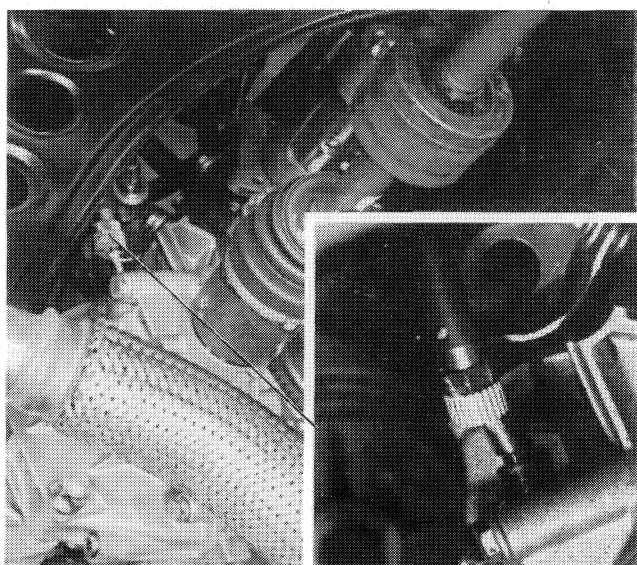
- remove the flywheel shield;



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



P3M016B04

P3M016B05

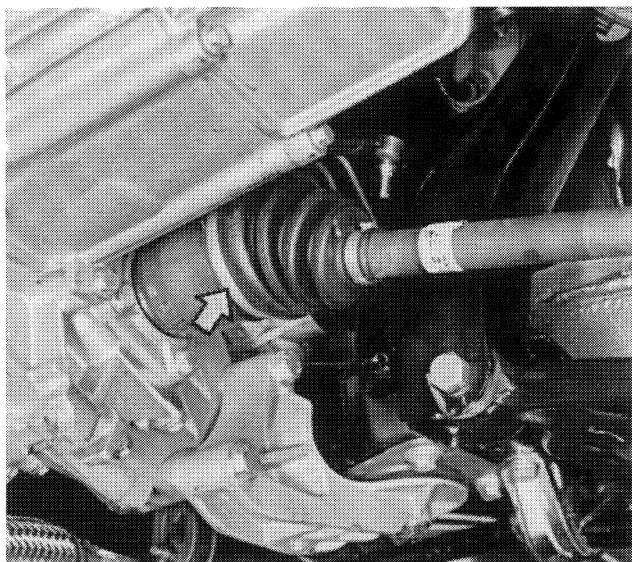


- disconnect the flexible cable for the speedometer and milometer from the housing in the gearbox

Gearbox and differential

Removing-refitting

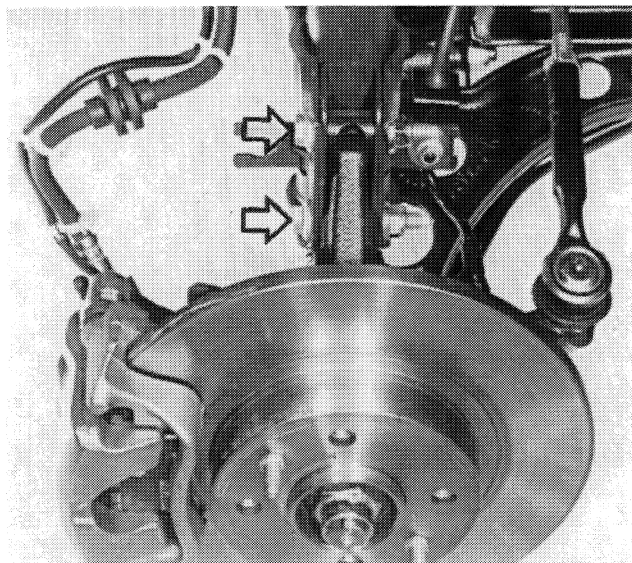
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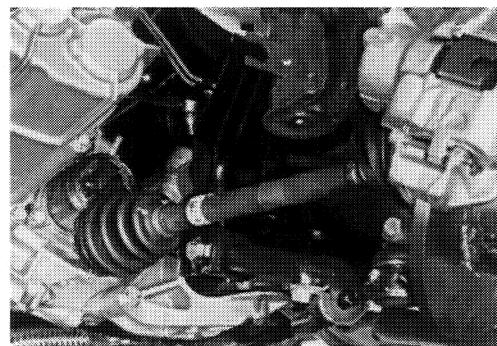
P3M017B01



- remove the band fixing the left drive shaft three lobe joint boot to the gearbox output shaft;

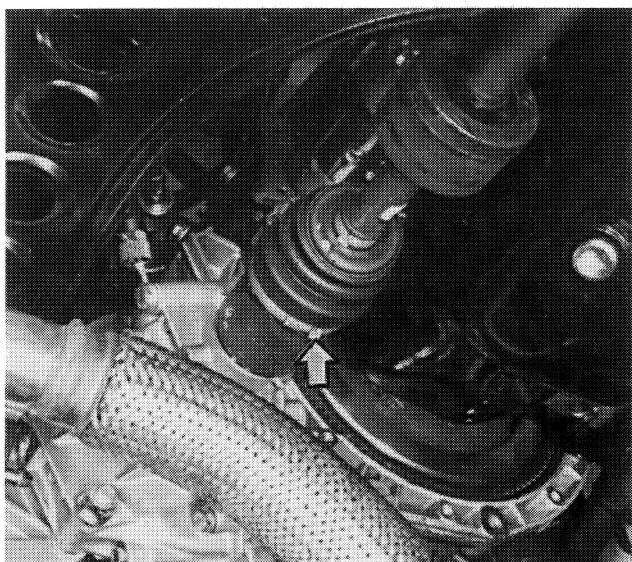


P3M017B02



P3M017B03

- disconnect the complete damper from the shock absorber, remove the left drive shaft from the gearbox housing and fix it to prevent the rubber boots from breaking;

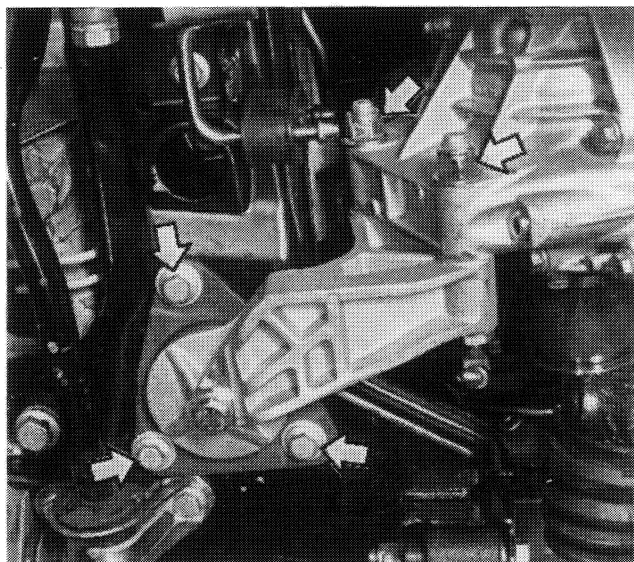


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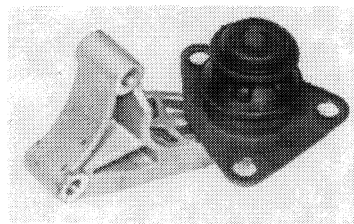


- remove the band fixing the right drive shaft three lobe joint boot to the gearbox output shaft; the three lobe joint can be removed from its housing when removing the gearbox;

21-27.

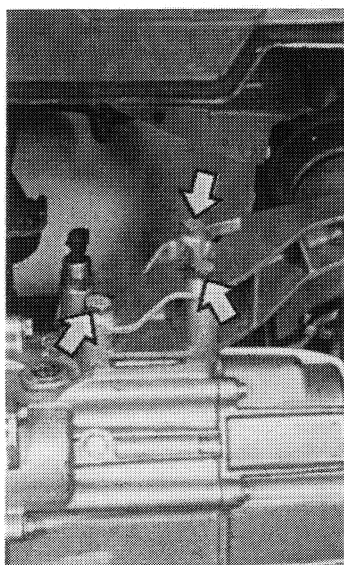


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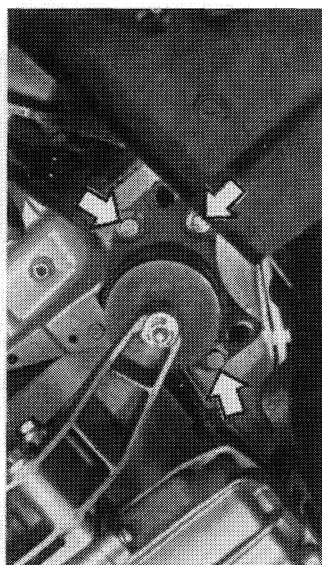


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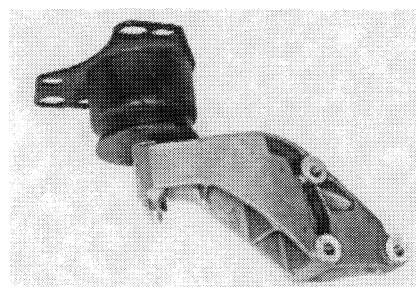
- remove the power unit centre support, from the gearbox and the cross member;



P3M018B03

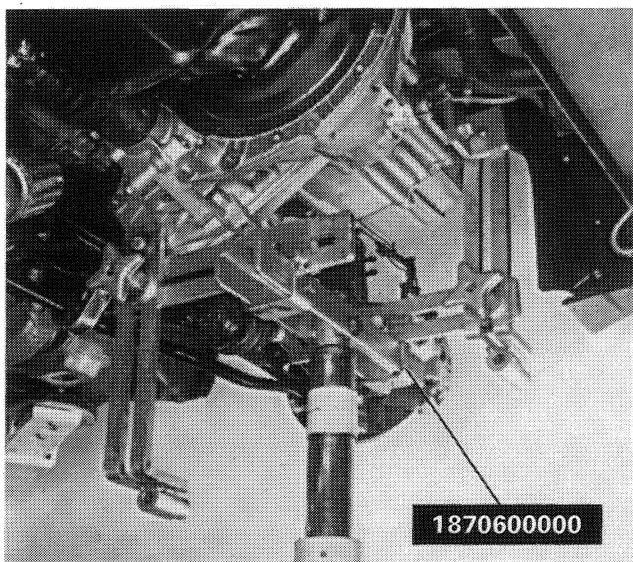


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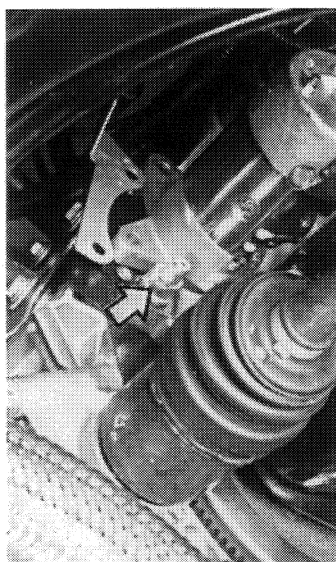
- remove the bolts fixing the power unit support (gearbox side) to the bodyshell and the gearbox and remove the complete support;



P3M018B06



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



P3M019B01



P3M019B02



- remove the bolt and the nut fixing the gearbox-differential at the bottom to the engine;



P3M019B03

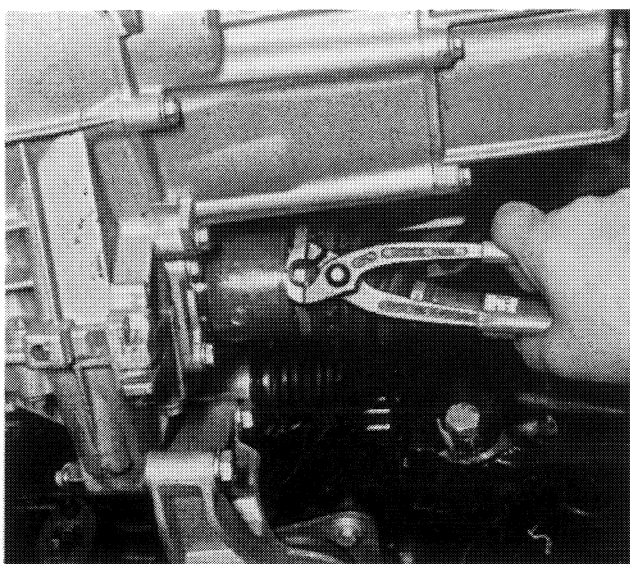


- suitably manoeuvre the gearbox-differential unit so that it is released from the centering pins on the engine and so that the clutch shaft is released from the driven disc.
Lower the hydraulic lift and extract the gearbox-differential unit

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



Clutch pedal height



P3M019B04



Fitting Oetiker type bands on drive shaft boots

Oetiker type pliers or, alternatively, front cutting type pliers must be used to fit the bands.