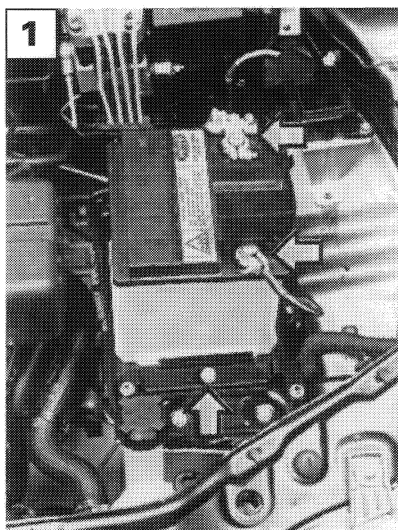


PUNTO eMANUAL

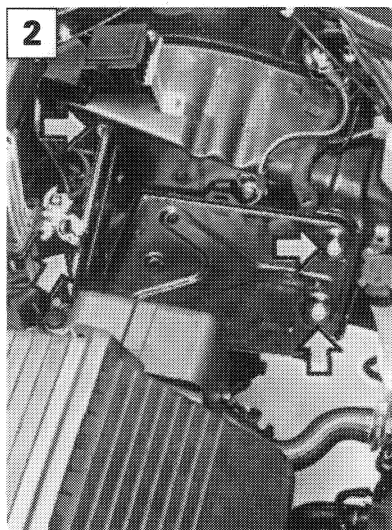
Engines

Title	Page
Removal/refitting power unit	1 ➡
Separating gearbox from power unit	11 ➡
Drawings	14 ➡

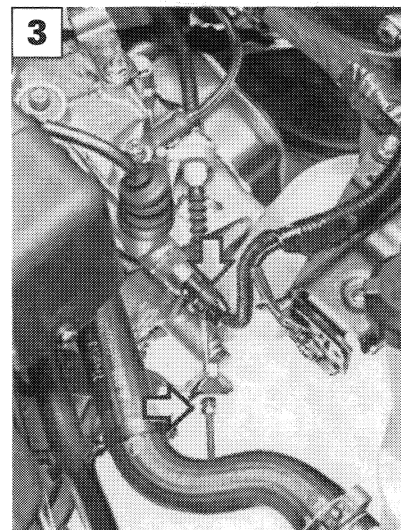
REMOVING-REFITTING POWER UNIT



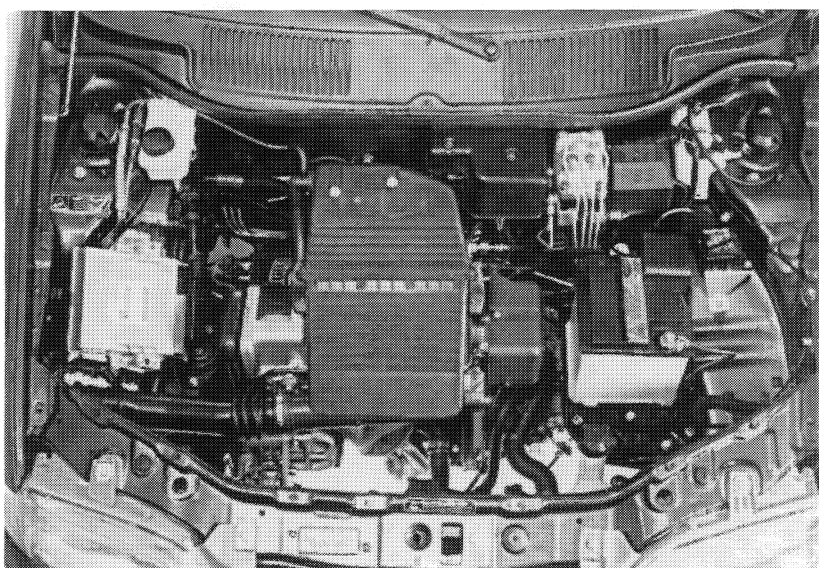
P3M001J01



P3M001J02



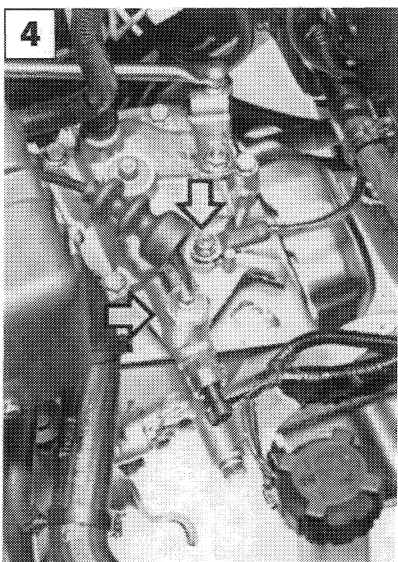
P3M001J03



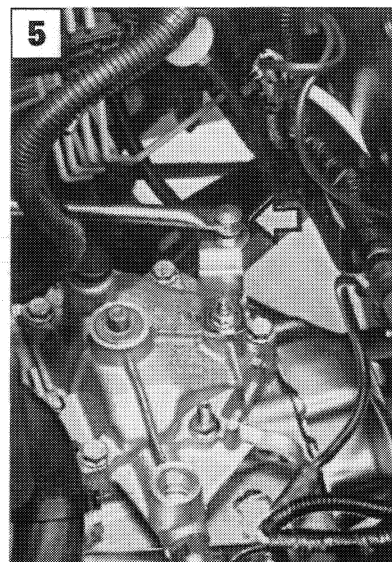
P3M001J04

Remove the bonnet lid, position vehicle on lift and drain engine oil. Then proceed as follows.

1. Disconnect leads, unscrew retaining bolts and remove battery.
2. Unscrew bolts indicated and remove battery cradle.
3. Disconnect clutch cable and reversing light sensor
4. Disconnect earth lead and reverse inhibition cable.
5. Remove gear selection lever.
6. Unscrew the bolts indicated in the diagram and remove the air cleaner.



P3M001J05

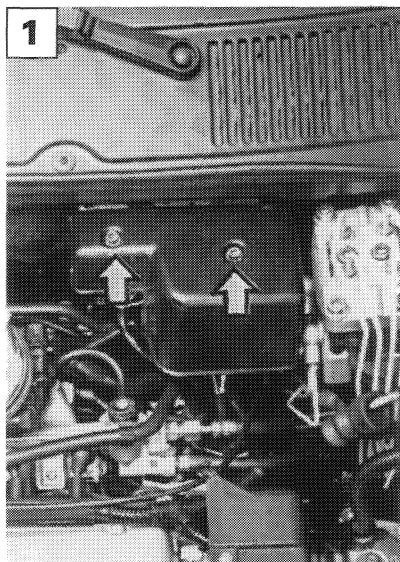


P3M001J06

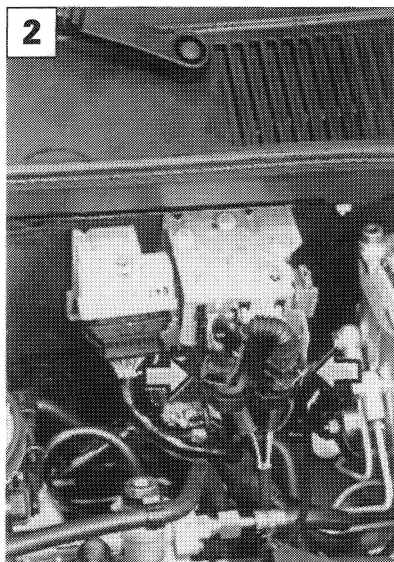


P3M001J07

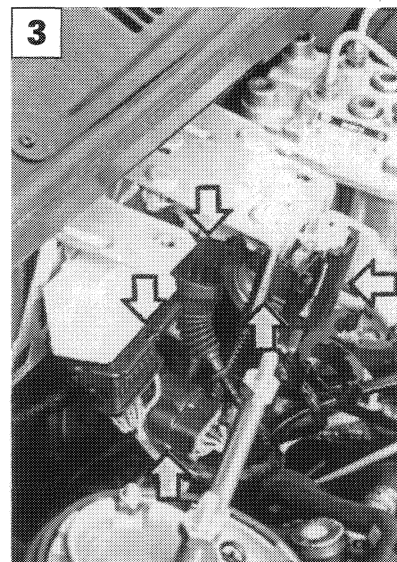
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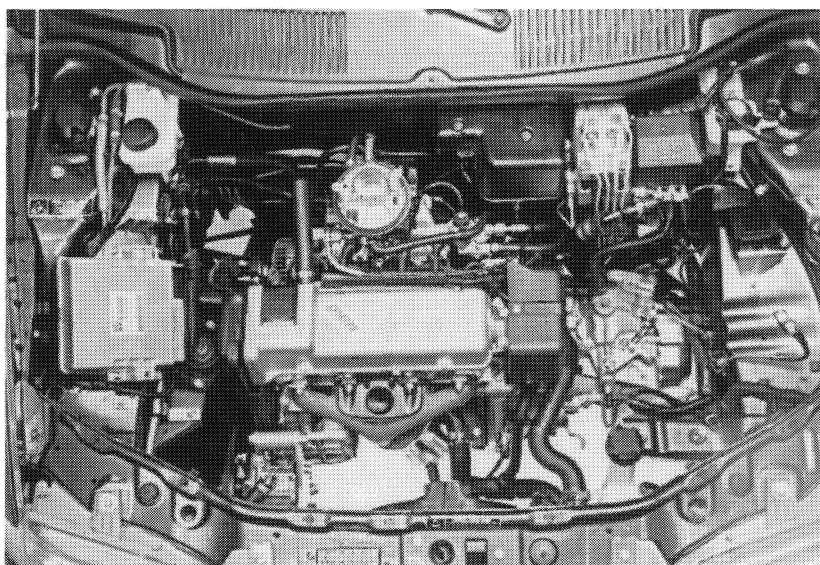
P3M002J01



P3M002J02

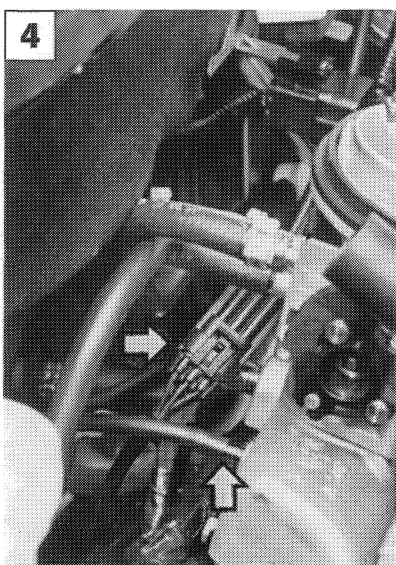


P3M002J03

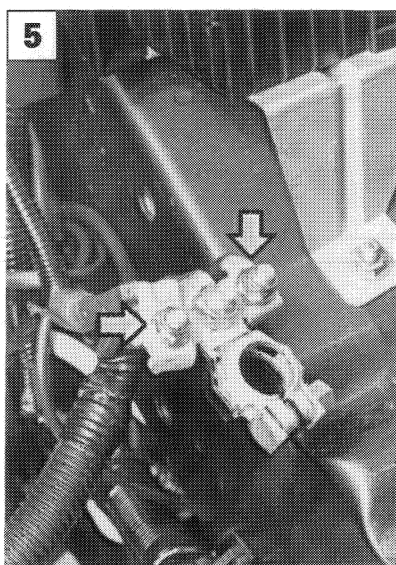


P3M002J04

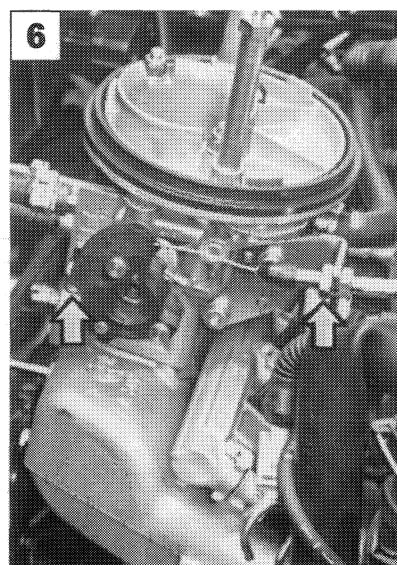
1. Unscrew bolts indicated and remove the protection.
2. Disconnect lambda probe connectors, indicated in figure.
3. Disconnect connectors indicated in figure and release fuse holders from metal mount.
4. Disconnect connector and vacuum pipe shown in figure.
5. Separate lead shown in figure from battery terminal.
6. Unscrew nut indicated in figure and disconnect accelerator cable.



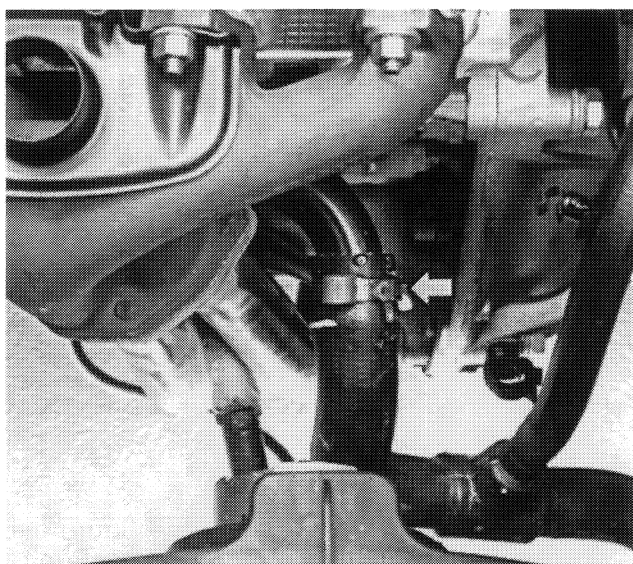
P3M002J05



P3M002J06

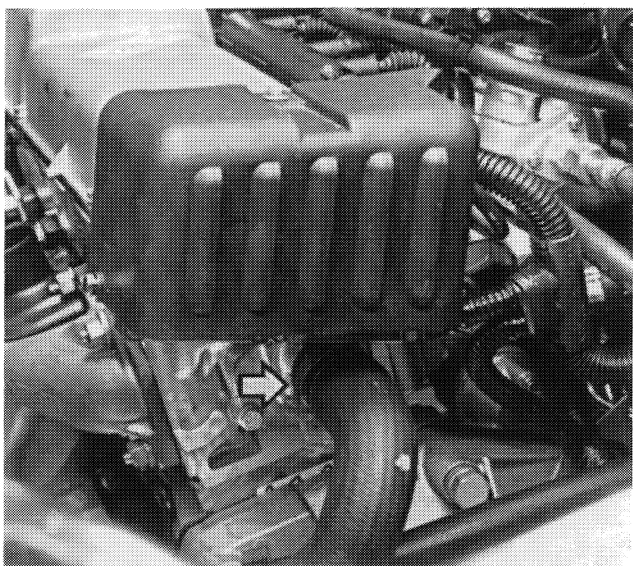


P3M002J07



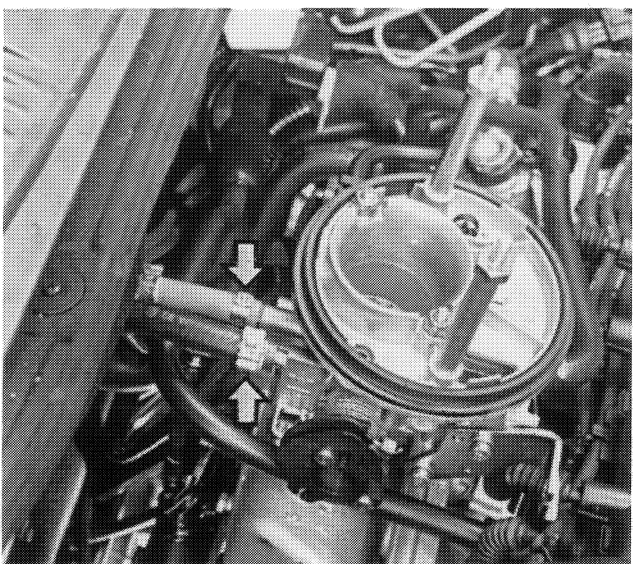
P3M003J01

- Remove the clip shown in the figure and disconnect the coolant return pipe from the radiator. Then drain the system;



P3M003J02

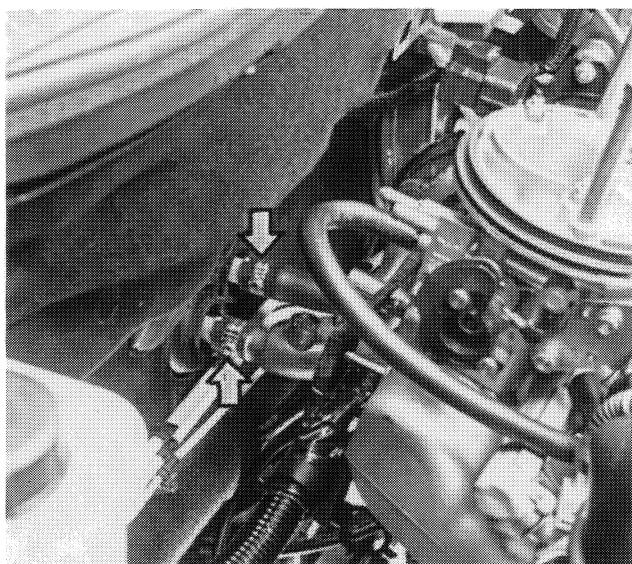
- remove the clip shown in the figure and disconnect the coolant delivery line to the radiator;



P3M003J03

- release the clips shown in the figure and disconnect the associated hoses;

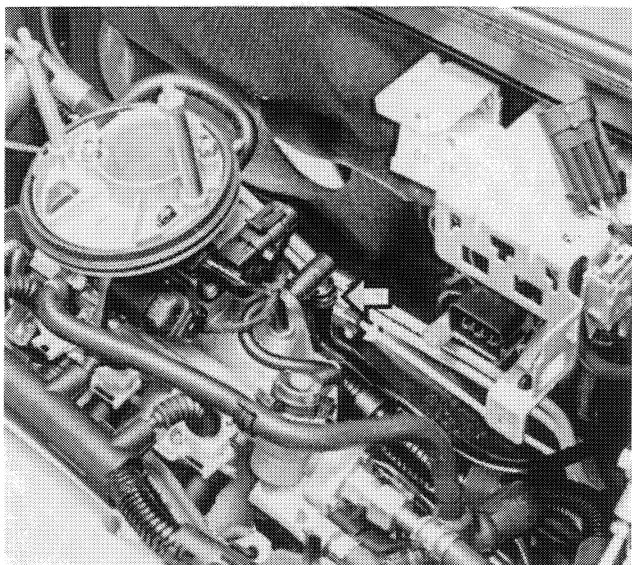
10.



P3M004J01



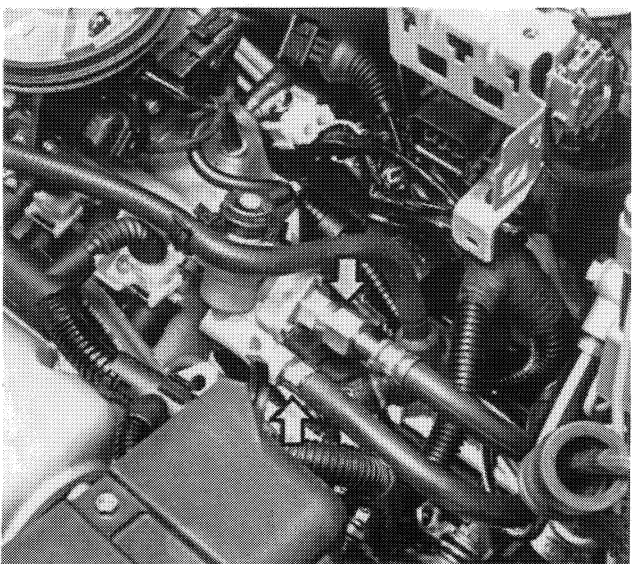
- remove the clips shown in the figure and disconnect the pipes from the heater unit;



P3M004J02



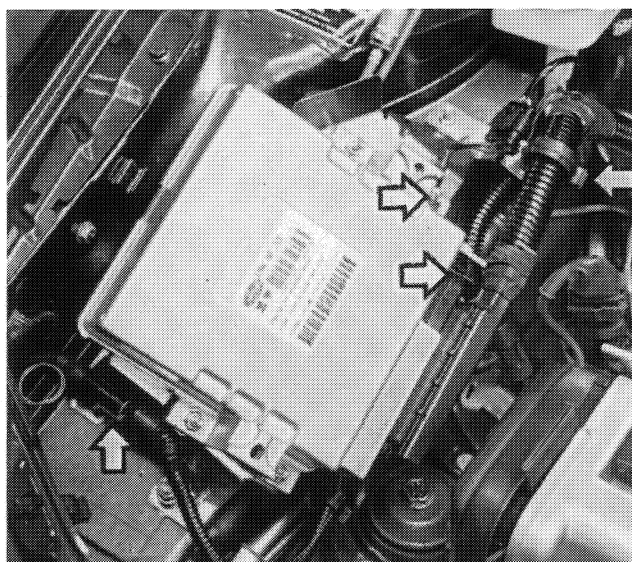
- remove the clip and the brake servo vacuum pipe;



P3M004J03



- disconnect the fuel delivery and return pipes;



P3M005J01



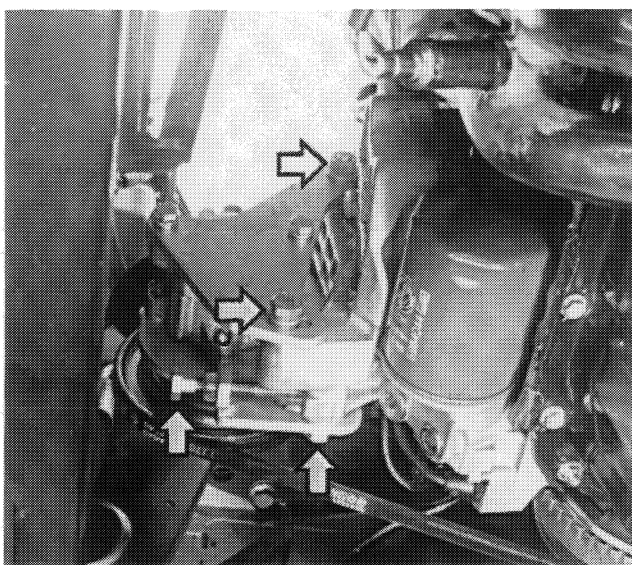
- disconnect central ECU connector;
- unscrew nut shown in figure and disconnect earth lead;
- disconnect connector for Fiat Lancia tester shown in figure;



P3M005J02



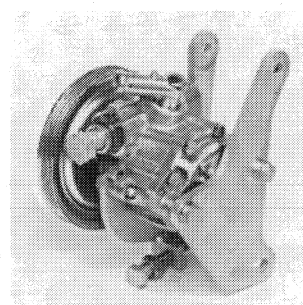
- drain the power steering system and disconnect pipes from pump;



P3M005J03

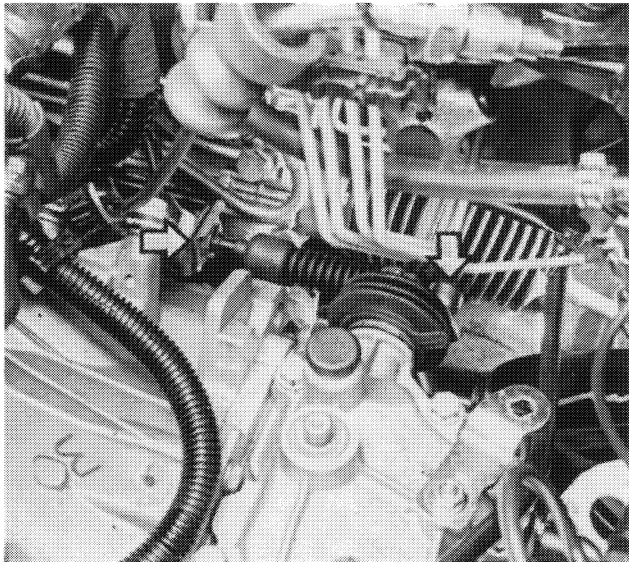


- loosen link nut and unscrew screws shown in figure. Then remove power steering system pump;



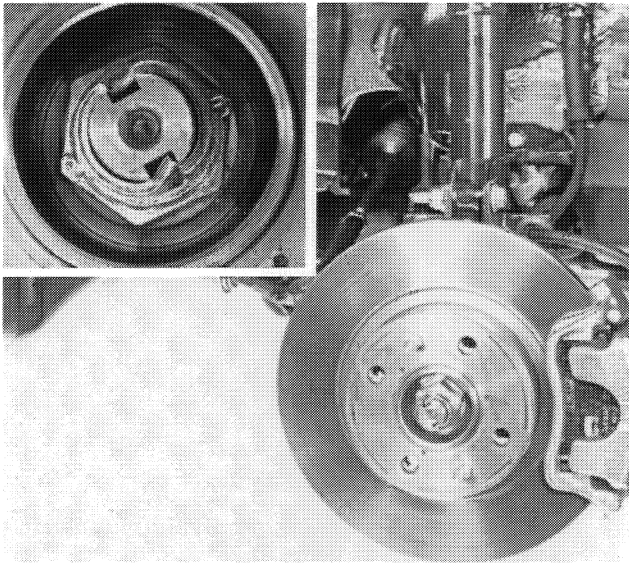
P3M005J04

10.

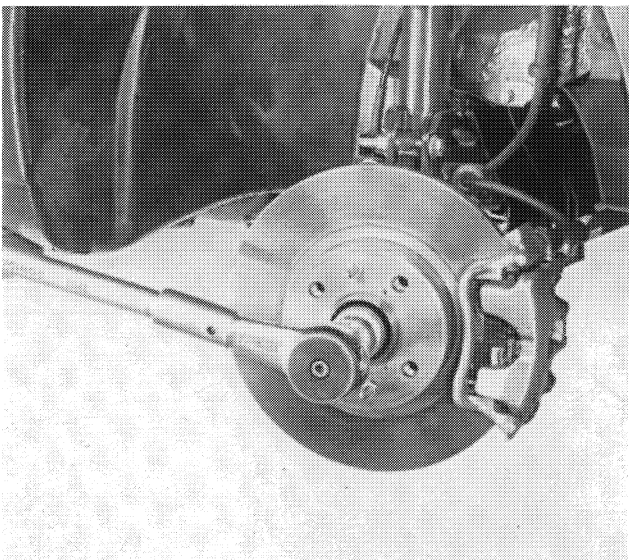


P3M006J01

P3M006J03



P3M006J02



P3M006J04

- remove the retaining clip and disconnect the gear selection cable;

- remove the staking on the wheel hub retaining nuts;

- unscrew the wheel hub retaining nuts;

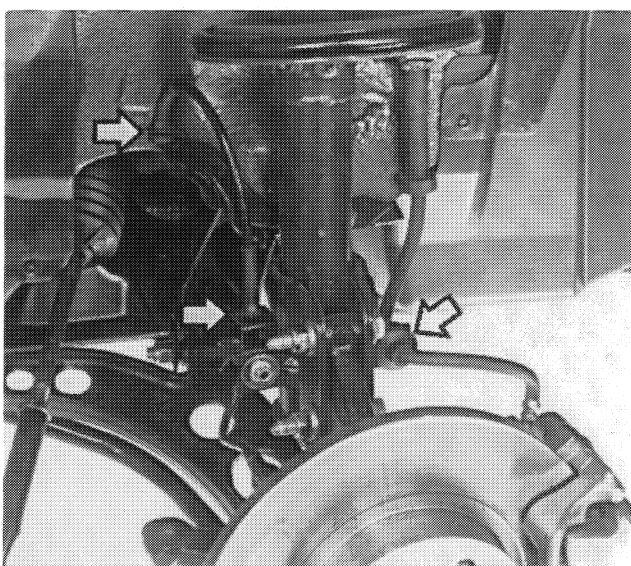


1847035000

P3M007J01



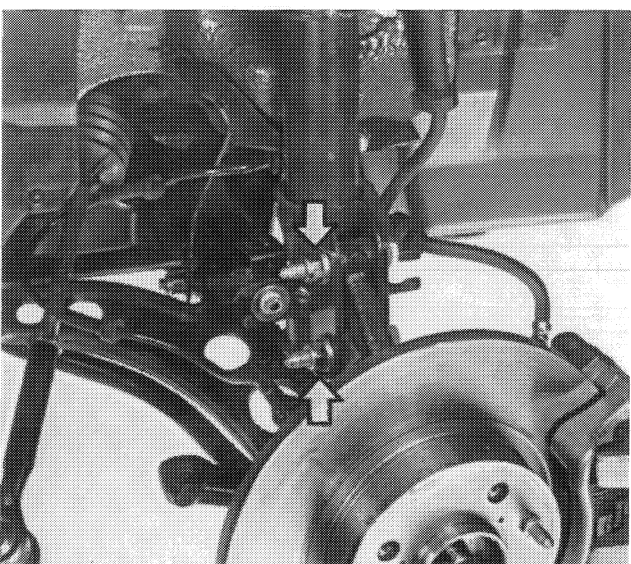
- use tool 1847035000 to prise out steering link pin;



P3M007J02



- release brake fluid pipe and ABS system sensor cable at points indicated;

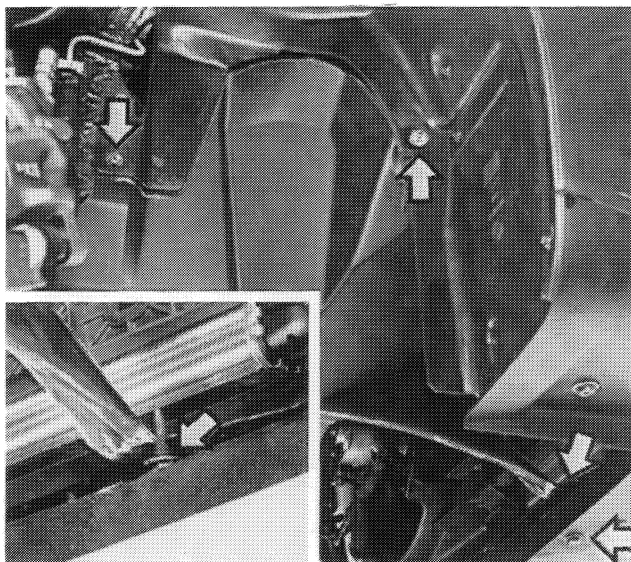


P3M007J03



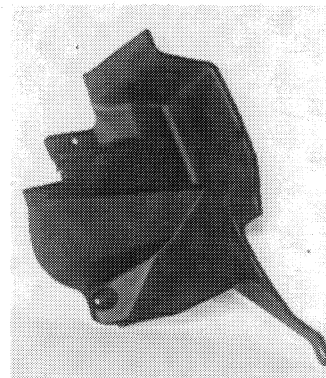
- separate wheel hub assembly from damper by tightening screws shown in the figure;
- withdraw the drive shaft from the wheel hub and fasten to gearbox-differential unit;

10.



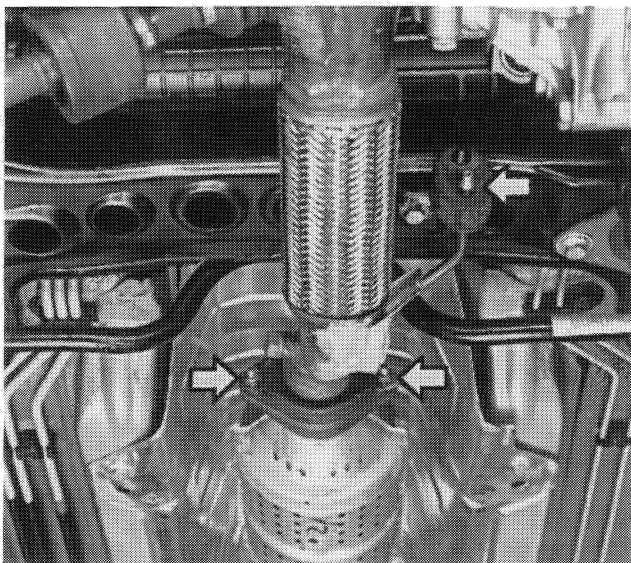
P3M008J02

P3M008J01



P3M008J03

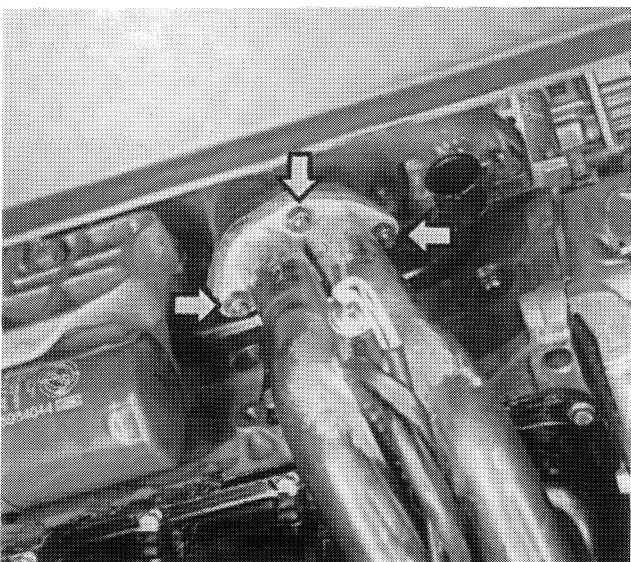
- unscrew screws indicated in figure and remove engine protection;



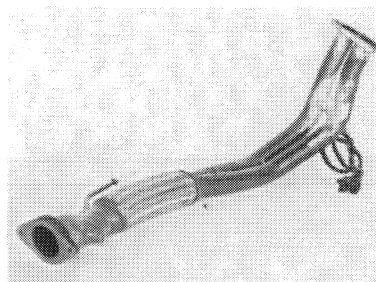
P3M008J04



- unscrew retaining bolts indicated in figure and remove seals;



P3M008J05



P3M008J06

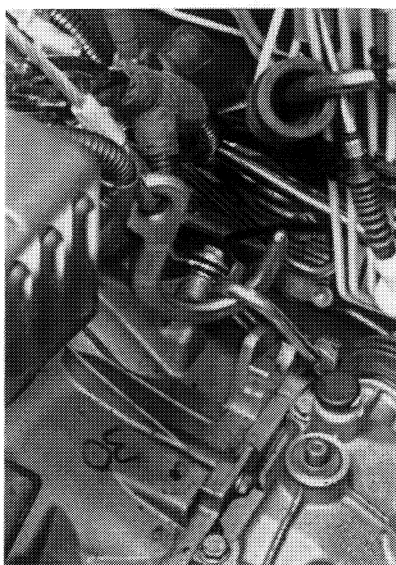
- remove nuts indicated in figure and disconnect front part of the pipe from the exhaust manifold;



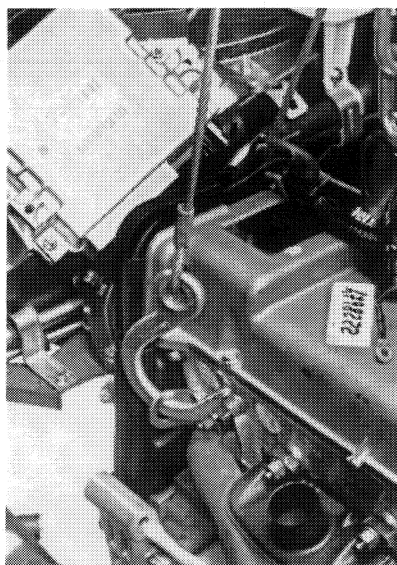
- lower vehicle to ground;
- position universal hook 1860592000 in power unit support brackets and apply to a hoist
- use hoist to take up slack in power unit support cables;

NOTE *The figures below show the location of the hooks in the power unit support brackets.*

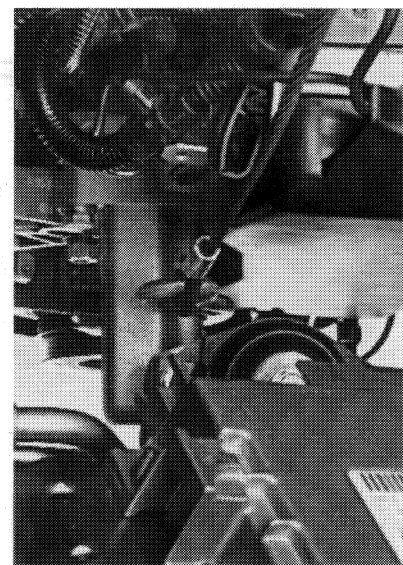
P3M009J01



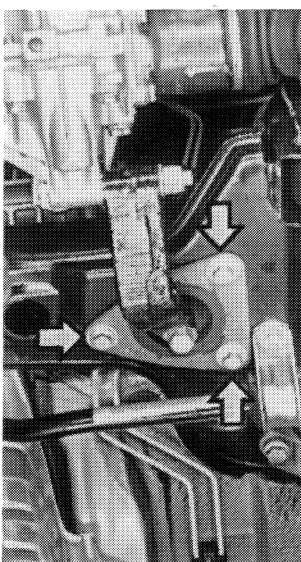
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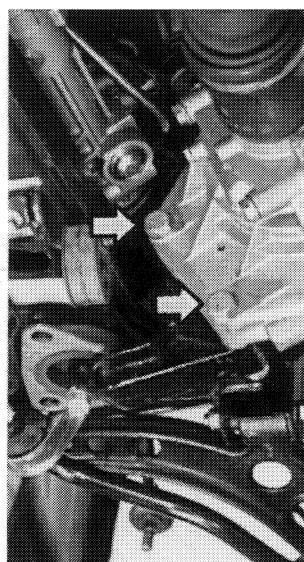
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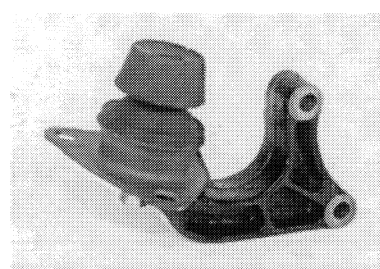
P3M009J04



P3M009J05



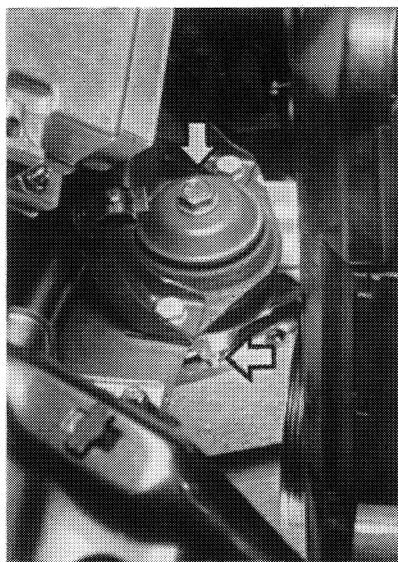
P3M009J06



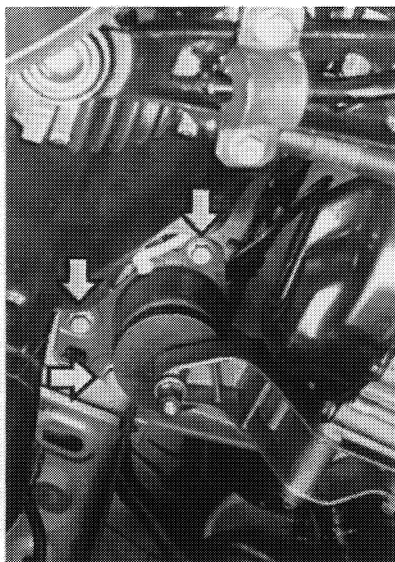
P3M009J07

- unscrew central mount bolts from body (left hand box);
- position hydraulic jack in order to support power unit temporarily;
- remove the central mount from the gearbox after unscrewing bolts (right hand box);

10.



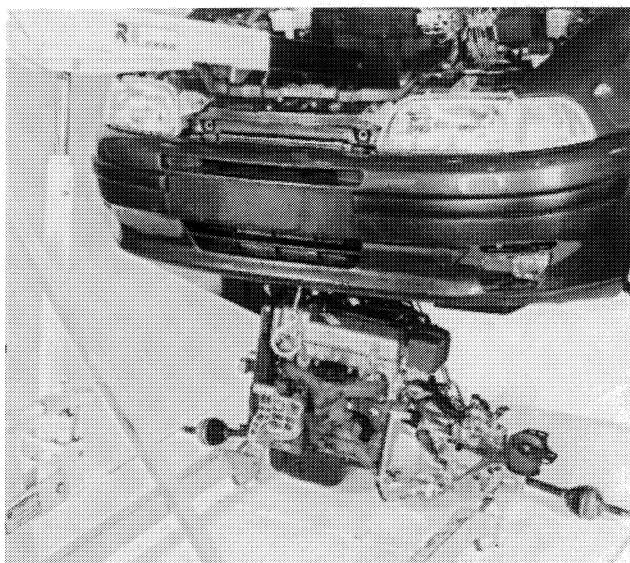
P3M010J01



P3M010J02



- unscrew bolts retaining power unit front right mount (right hand box);
- unscrew bolts retaining power unit front left mount (left hand box);



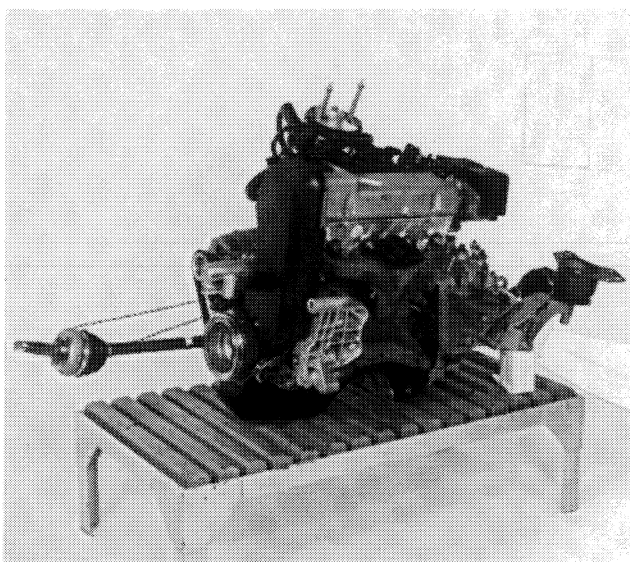
P3M010J03



- remove power unit from engine bay by means of hoist;



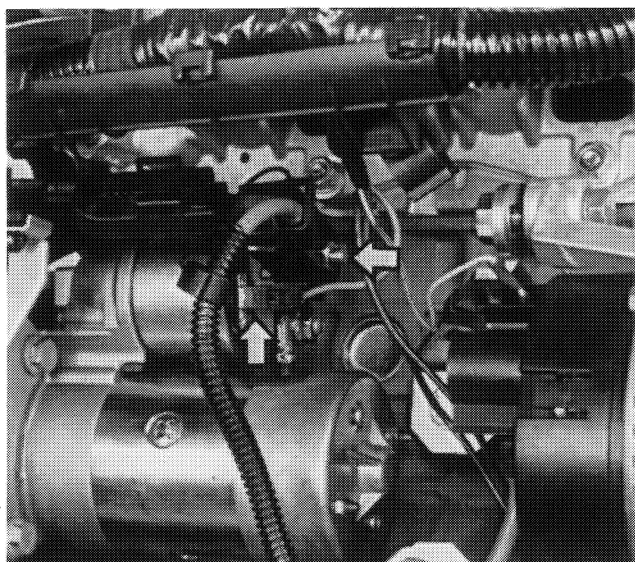
Seek the aid of a second operator.



P3M010J04



- rest the power unit on a board and arrange so that it is in a stable position.



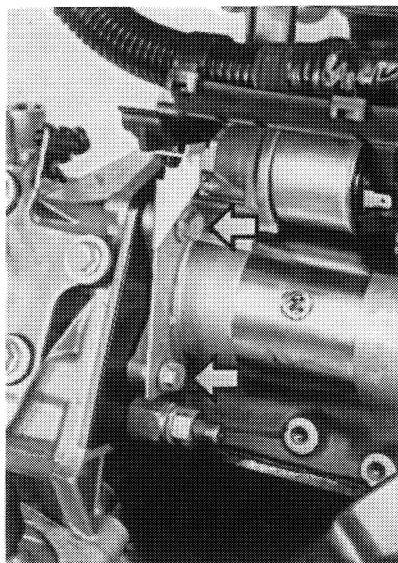
P3M011J01



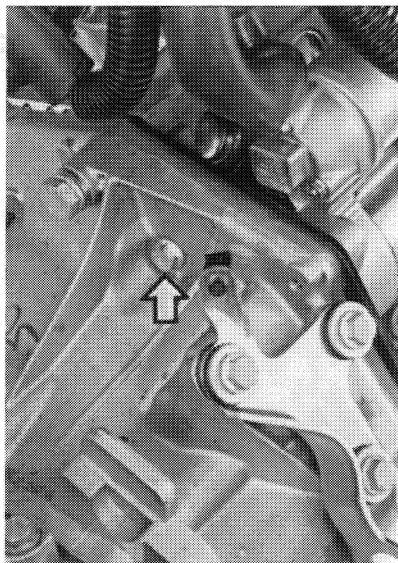
SEPARATING GEARBOX FROM POWER UNIT

Operation sequence

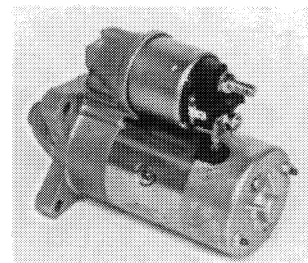
- Raise protective cap, unscrew nut shown in figure and disconnect leads from starter motor;



P3M011J02

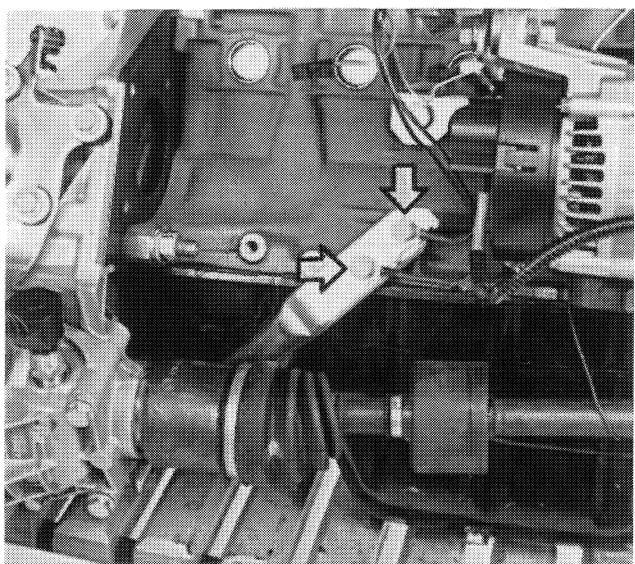


P3M011J03



P3M011J04

- unscrew bolts indicated in figure and remove starter motor;

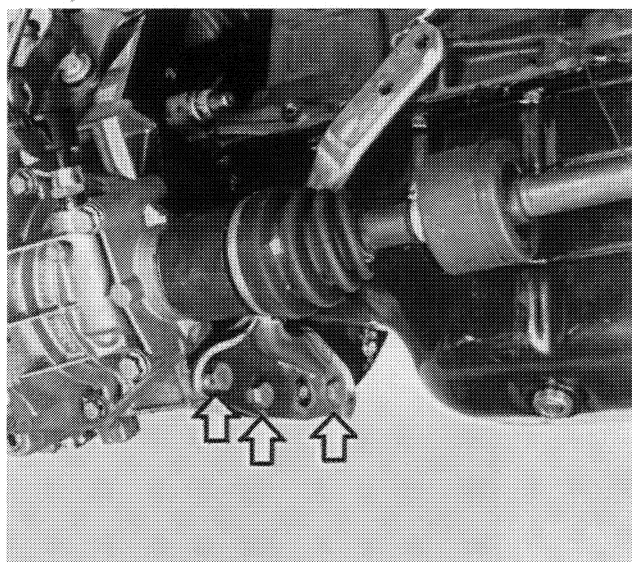


P3M011J05

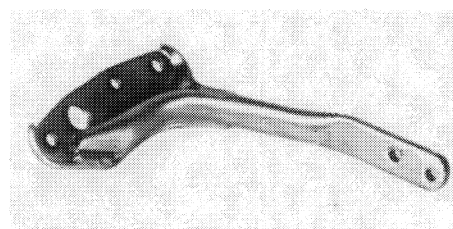


- unscrew screws retaining gearbox support bracket to crankcase and disconnect earth leads;

10.

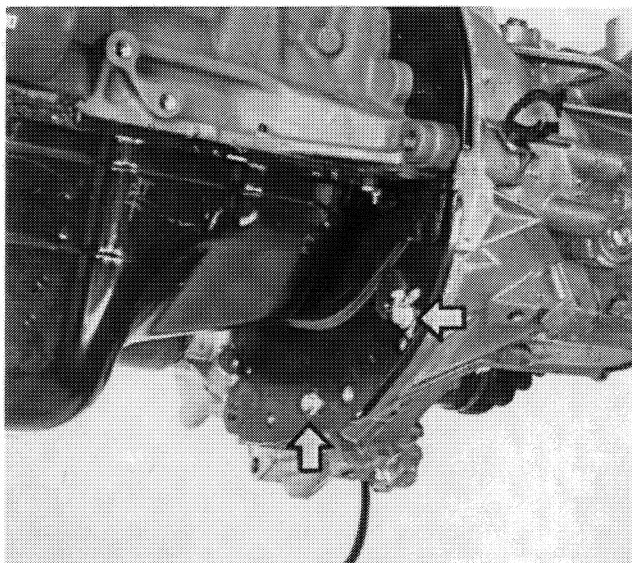


P3M012J01

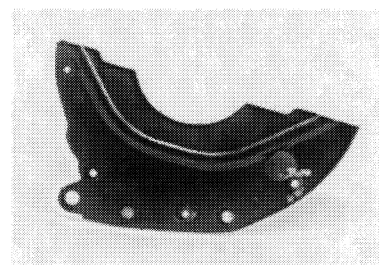
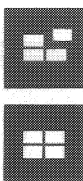


P3M012J02

- unscrew bolts indicated in figure and remove gearbox support bracket;

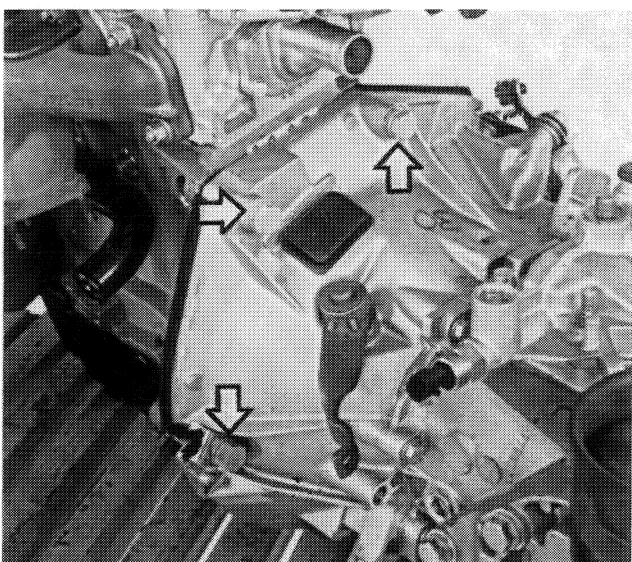


P3M012J03

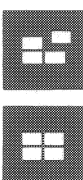


P3M012J04

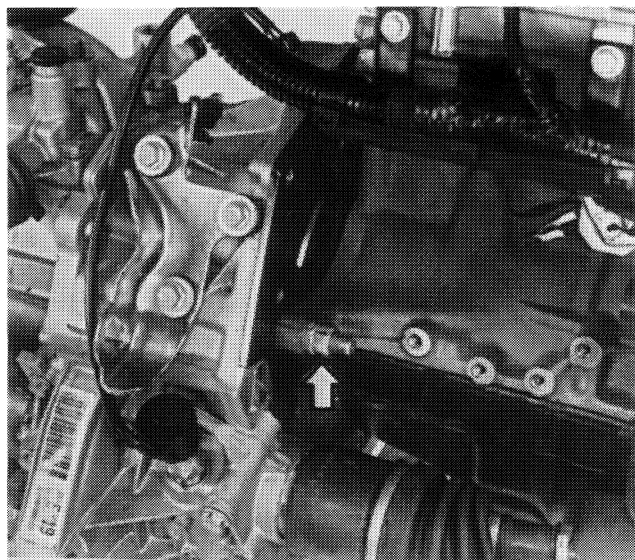
- unscrew bolts indicated in figure, then remove flywheel protection;



P3M012J05



- unscrew bolts indicated in figure that connect the gearbox to the engine;



P3M013J01

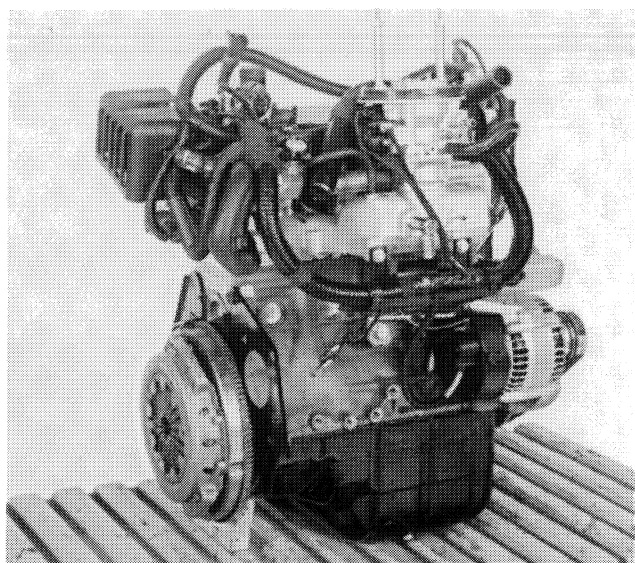


- unscrew bolt joining gearbox and engine;
- separate gearbox from engine.

NOTE *To refit the power unit reverse removal instructions.*



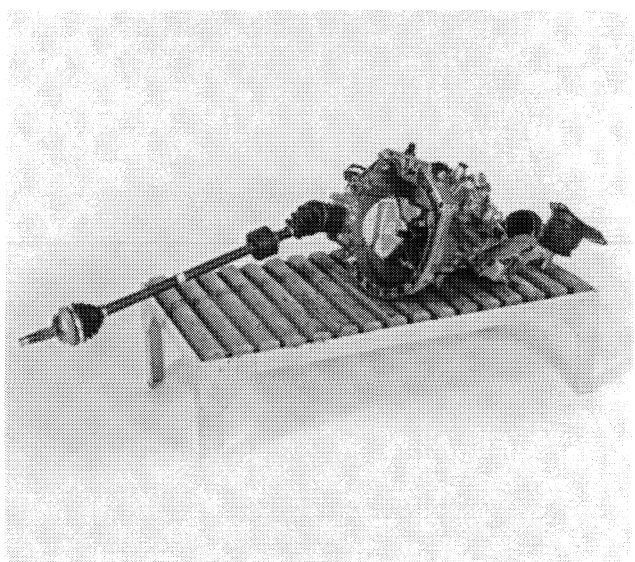
To refill the cooling system, follow instructions given at the end of Section 10. Engine.



P3M013J02



Engine 1242 M.P.I.



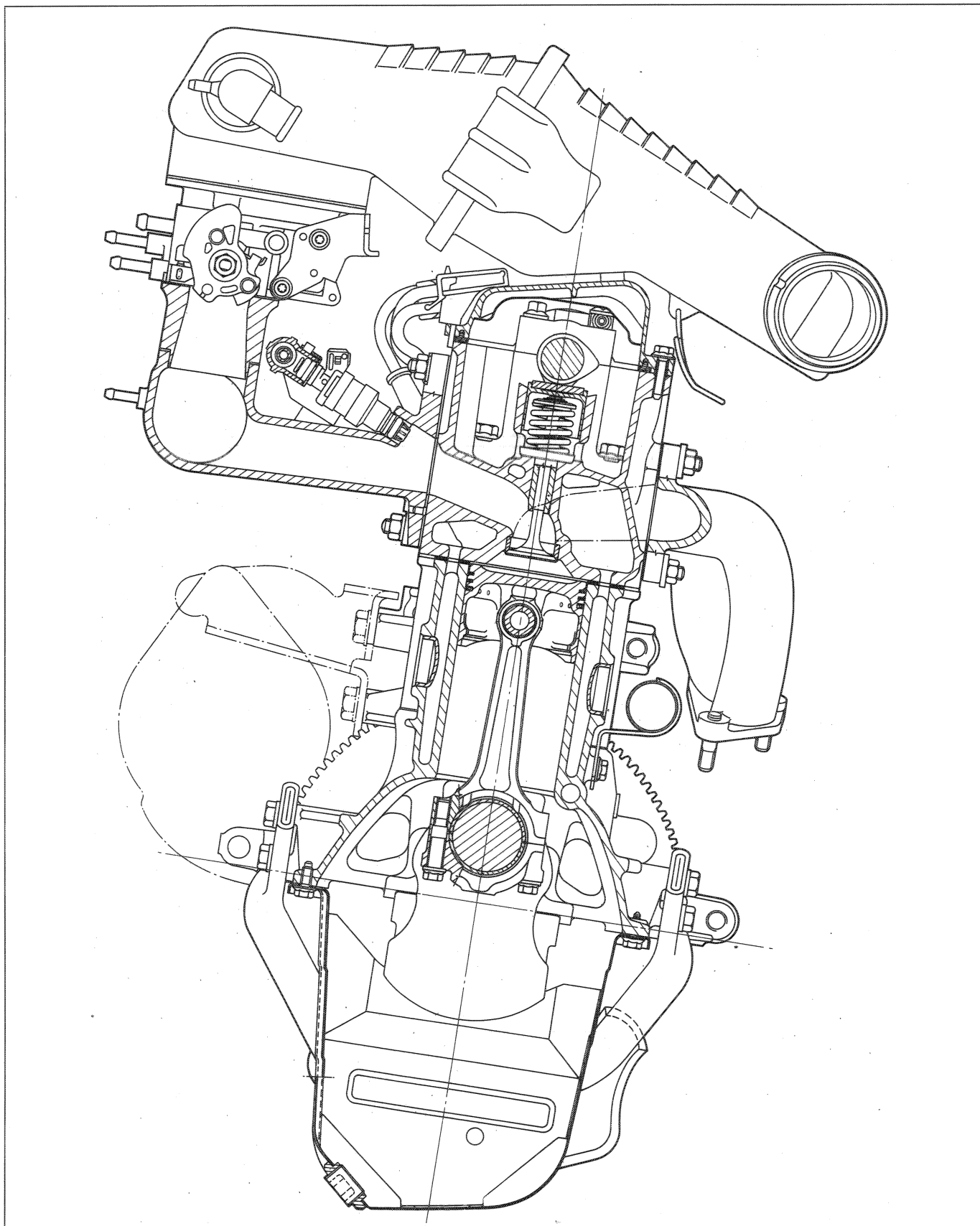
P3M013J03



Gearbox C514.5.08

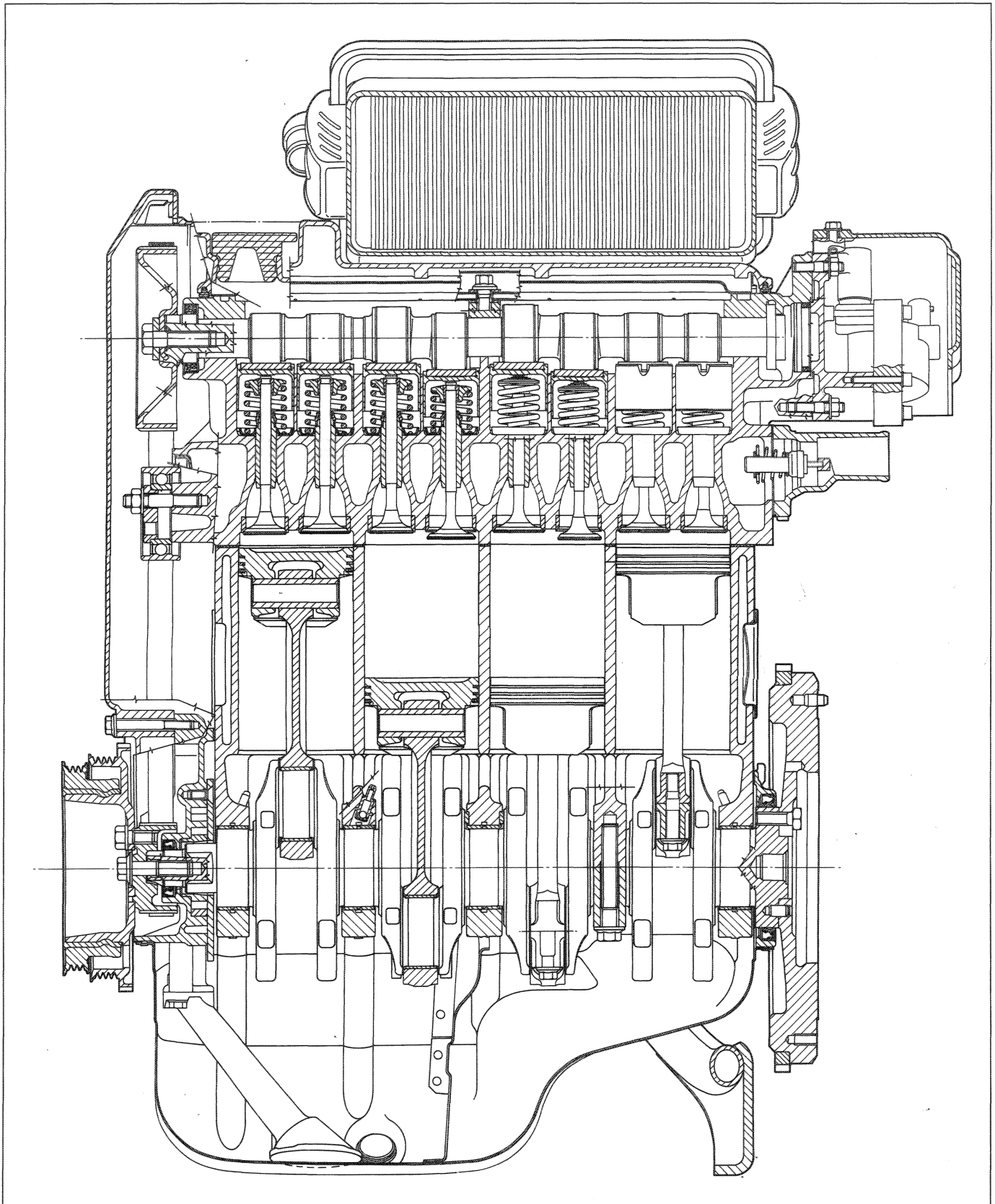
10.

CROSS SECTION THROUGH ENGINE



P3M014J01

LONGITUDINAL SECTION THROUGH ENGINE



P3M015J01