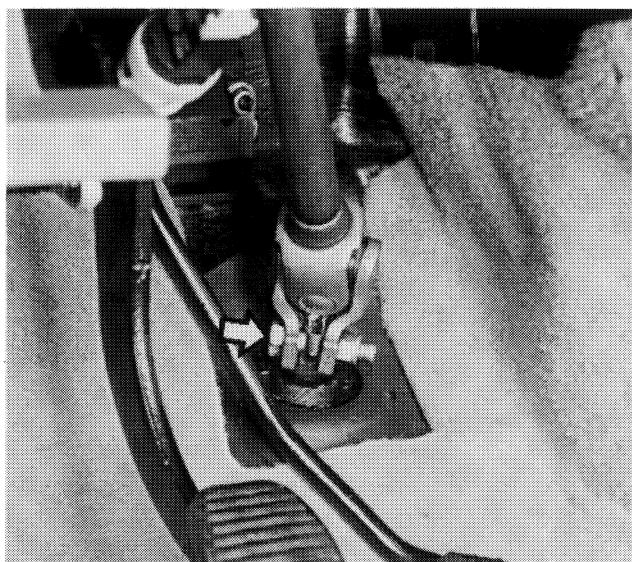


PUNTO eMANUAL

Steering

Title	Page
Removing/refitting variable ratio rack & pinion gear	1 ➡
Removing/refitting power assisted rack & pinion gear	7 ➡

41.



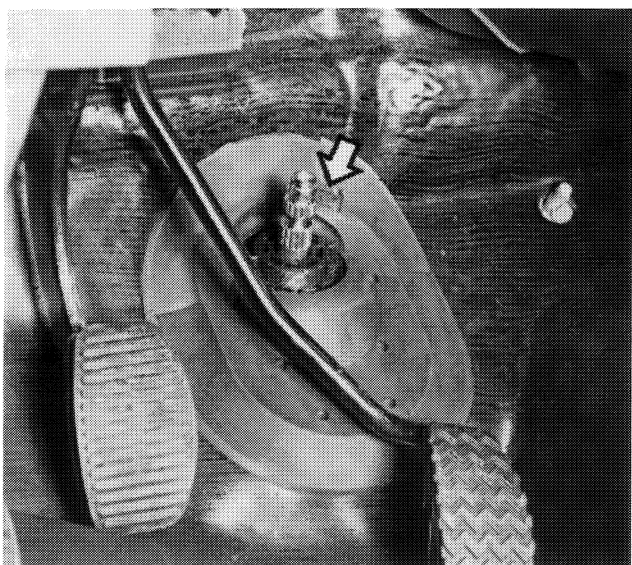
P3M006F01



REMOVING-REFITTING VARIABLE RATIO RACK-AND-PINION STEERING GEAR

Removing-refitting lower column from steering gear column

Remove the nut and bolt securing the lower column to the steering pinion.

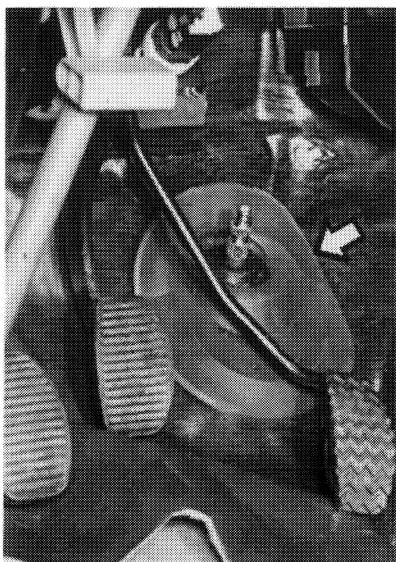


P3M006F02

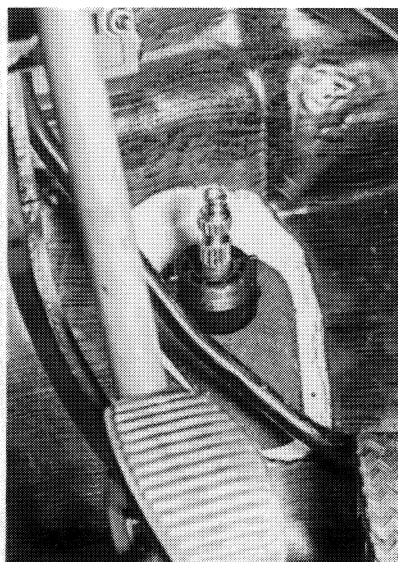


P3M006F03

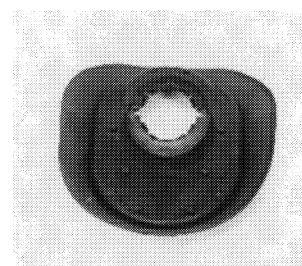
Dismantling-fitting steering pinion safety clip



P3M006F04



P3M006F05

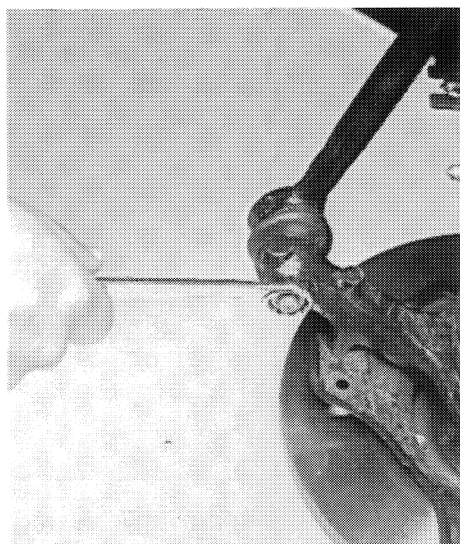


P3M006F06

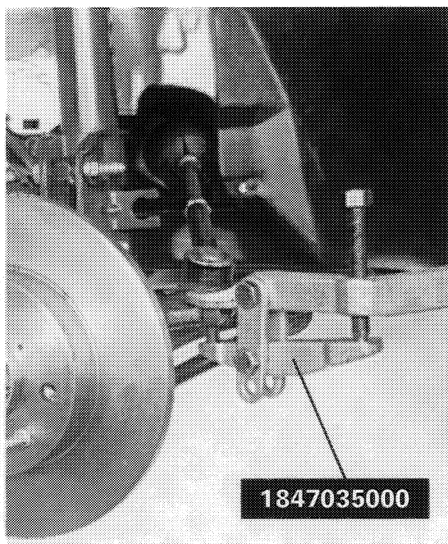
Dismantling-fitting steering column soundproofing



If the engagement lugs break during removal, the soundproofing must be replaced together with the cup, to ensure that the two parts match properly (see page 9).



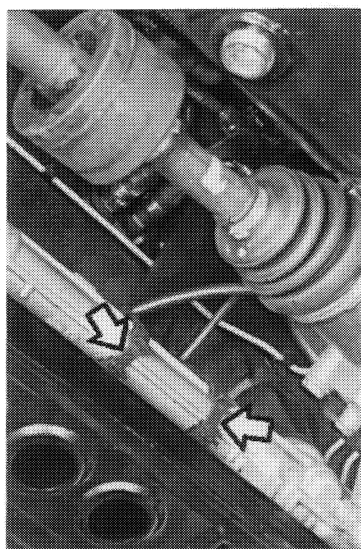
P3M007F01



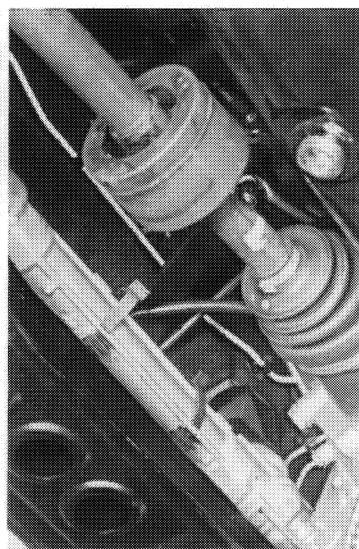
P3M007F02



Removing-refitting right and left tie rods from steering link on vertical link



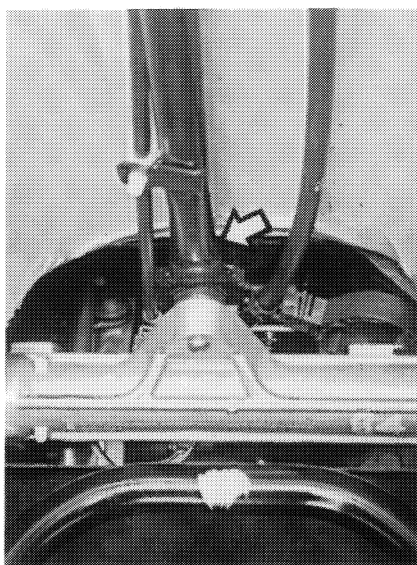
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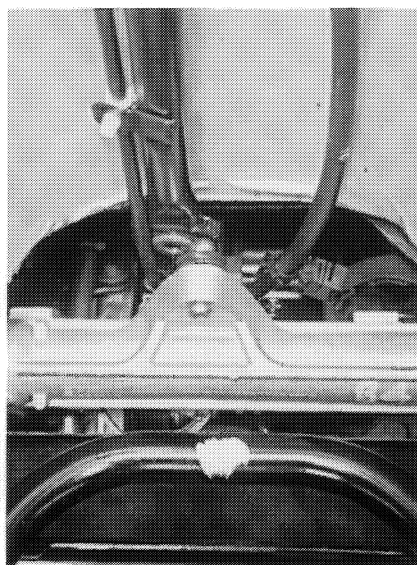
P3M007F04



Dismantling-fitting clips holding the gear selection and reverse gear inhibition cables on steering gear



P3M007F05

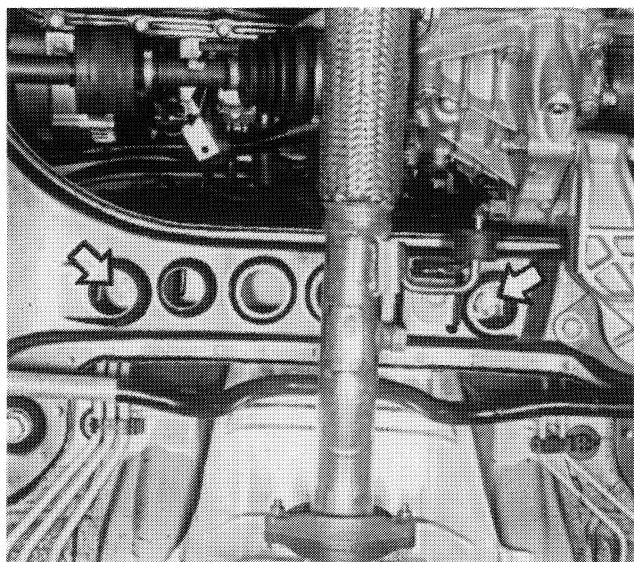


P3M007F06



Dismantling-fitting gear selection relay link on steering gear

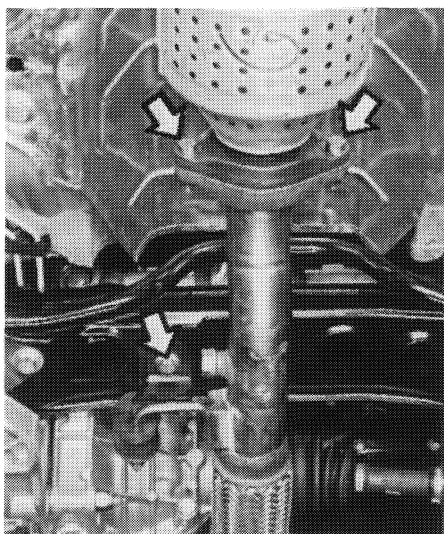
41.



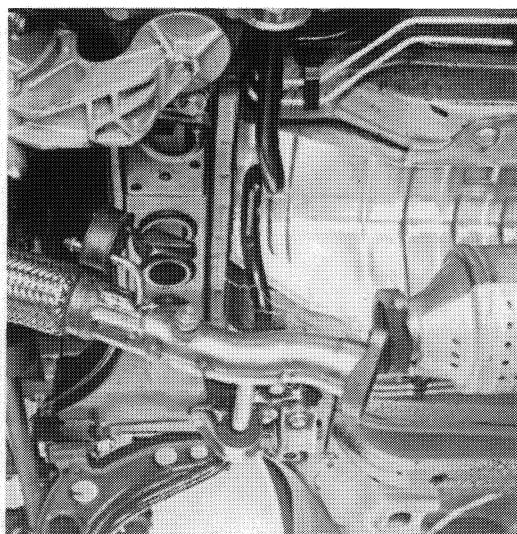
P3M008F01



Dismantling-fitting bolts securing steering gear to steering subframe



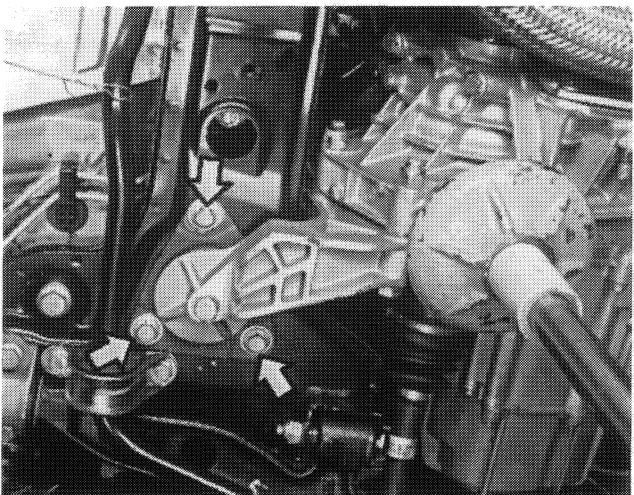
P3M008F02



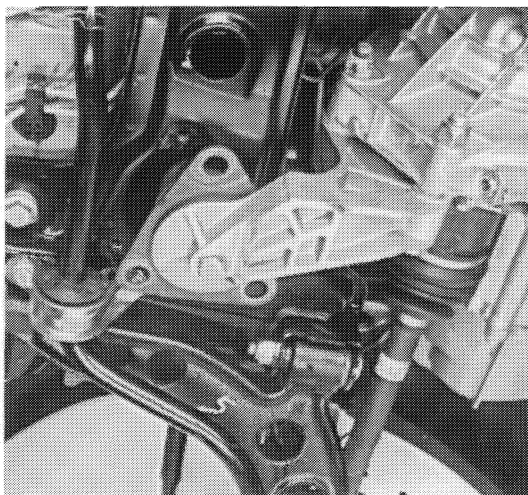
P3M008F03



Dismantling-fitting exhaust pipe front section from catalytic converter



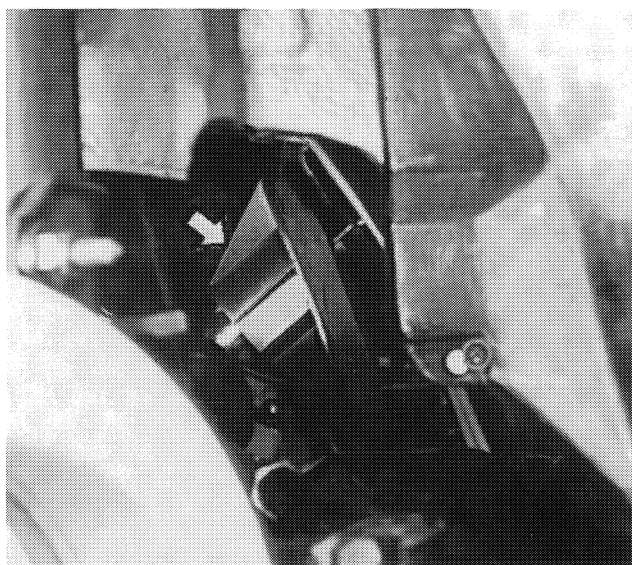
P3M008F04



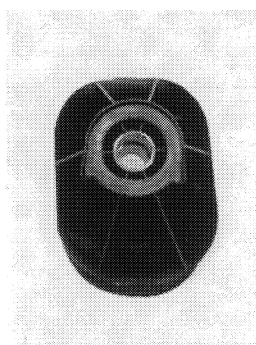
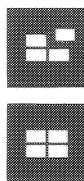
P3M008F05



Dismantling-fitting engine unit rear mounting bolts



P3M009F01



P3M009F02

Dismantling-fitting steering pinion cup

If the cup engagement lugs break when the cup is detached from the soundproofing piece, (see page 6), the cup must be renewed together with the soundproofing piece to ensure that the two parts match properly.

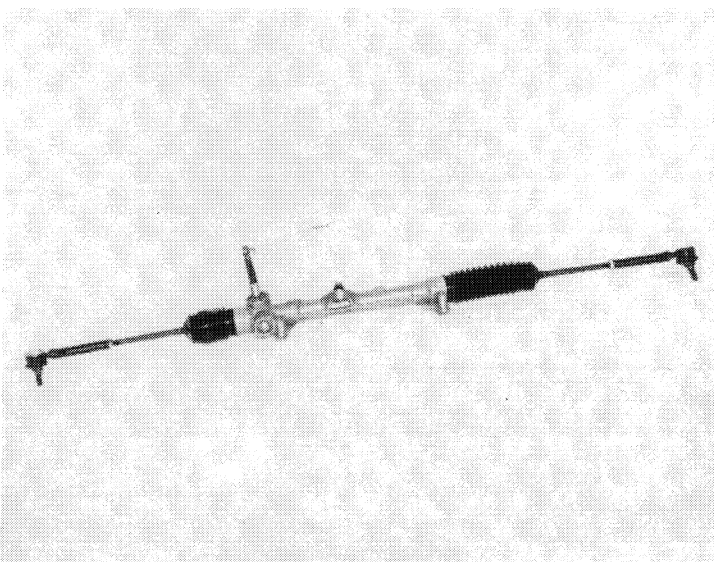


P3M009F03

**Withdrawing variable ratio rack-and-pinion steering gear from car**

Withdraw the steering gear from the wheelhouse, gearbox side.

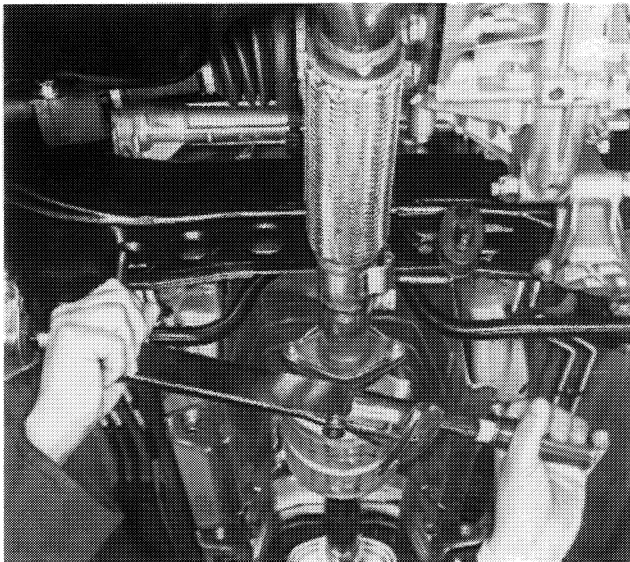
NOTE *Check the front wheel toe-in whenever the steering gear is removed and refitted.*



P3M009F04

Variable ratio rack-and-pinion steering gear assembly

41.

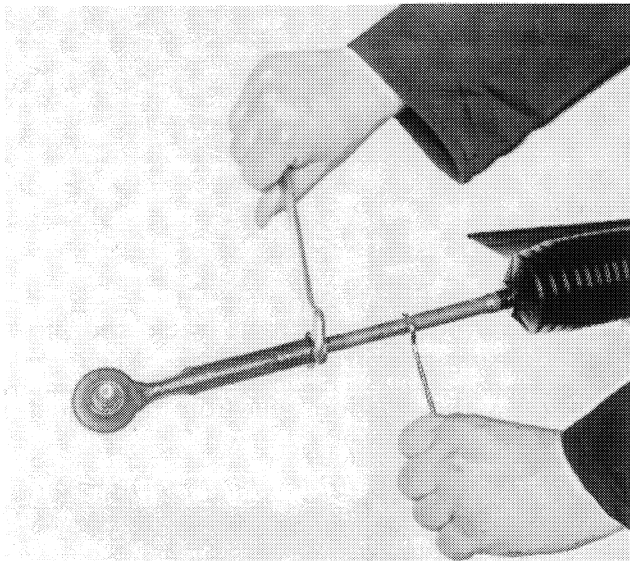


P3M010F01

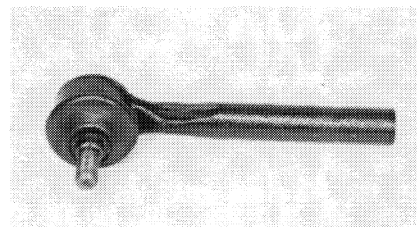


7 daNm

Fitting bolts securing steering gear to sub-frame, and tightening them to specified torque



P3M010F02

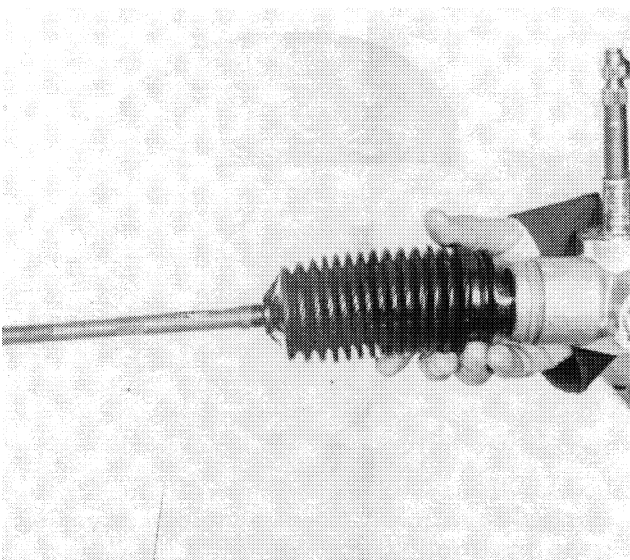


P3M010F03

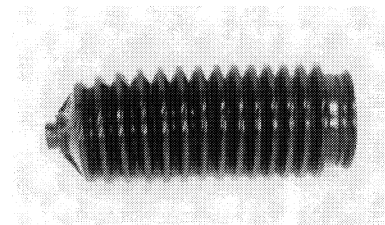
DISMANTLING-FITTING

Dismantling-fitting tie-rod complete with end ball joint

Check that there is no stiffness or excessive play on the ball joint, otherwise it must be renewed.



P3M010F04



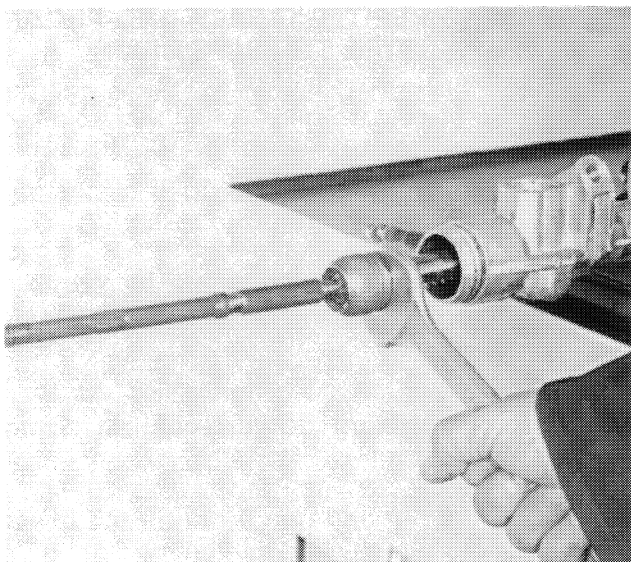
P3M010F05

Dismantling-fitting protective gaiter and seal

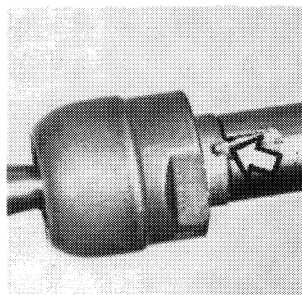
Carefully check that the gaiter has no holes or tears, otherwise it must be renewed.



Before fitting the final gaiter (pinion side), insert the specified quantity of grease.



P3M011F01



P3M011F02

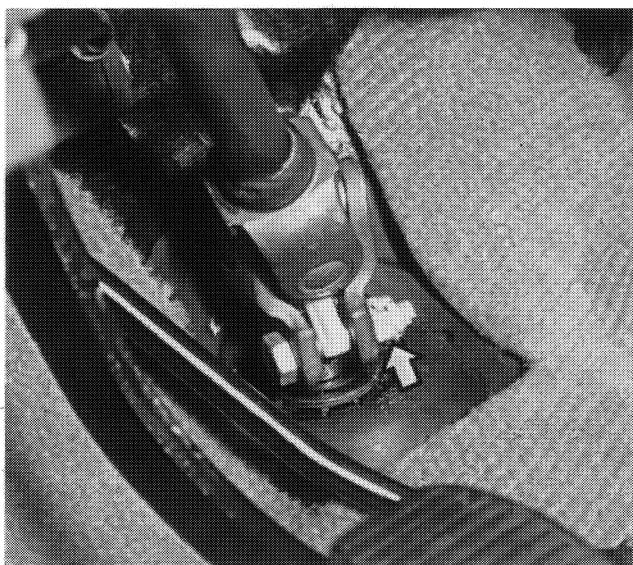
Dismantling-fitting ball rod

The ball rod must not be excessively stiff, but must be free to rotate in both directions without falling under its own weight.



After fitting, stake the end of the ball rod seating as shown by the arrow.

41.



P3M003F02



REMOVING-REFITTING RACK-AND-PINION POWER-ASSISTED STEERING GEAR

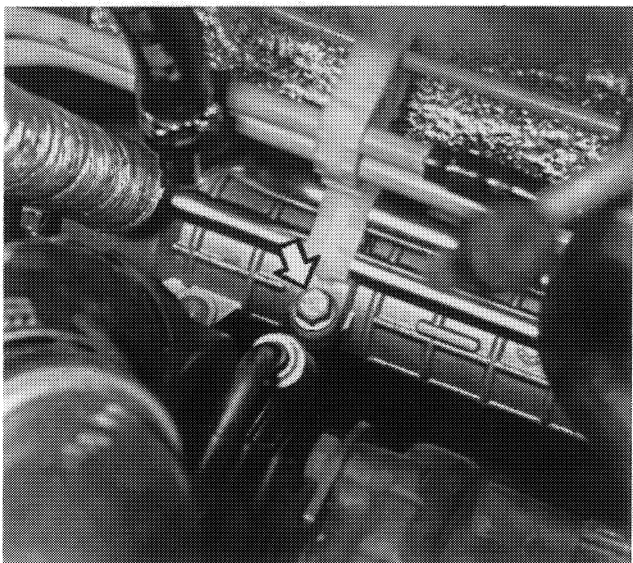


Before removing and refitting the steering gear, drain the fluid from the reservoir.

NOTE *The old fluid should not be reused.
Top up the level with fresh fluid.*

Removing-refitting lower column from steering pinion

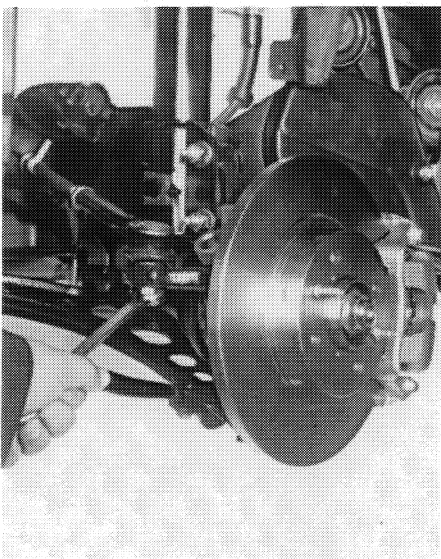
Remove the nut and bolt securing the lower column to the steering pinion.



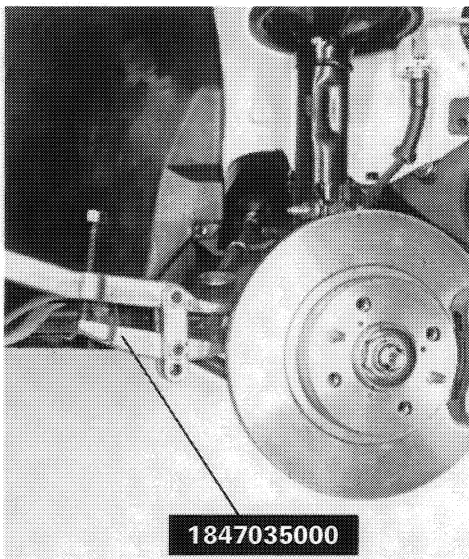
P3M012F01



Dismantling-fitting bolt which secures power steering fluid pipe bracket



P3M012F02



P3M012F03

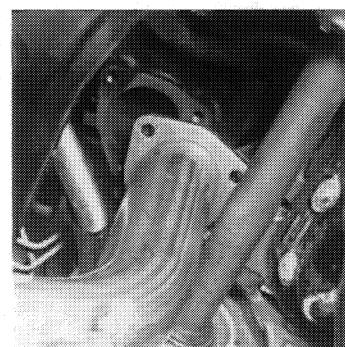


Removing-refitting right and left tie-rods on steering link on vertical link

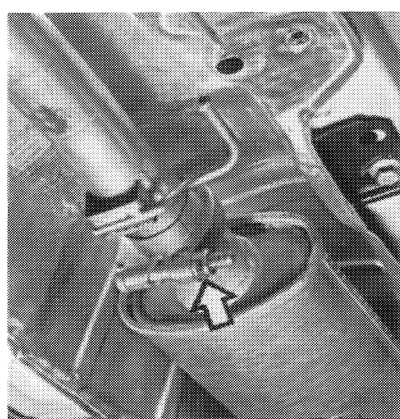
1847035000



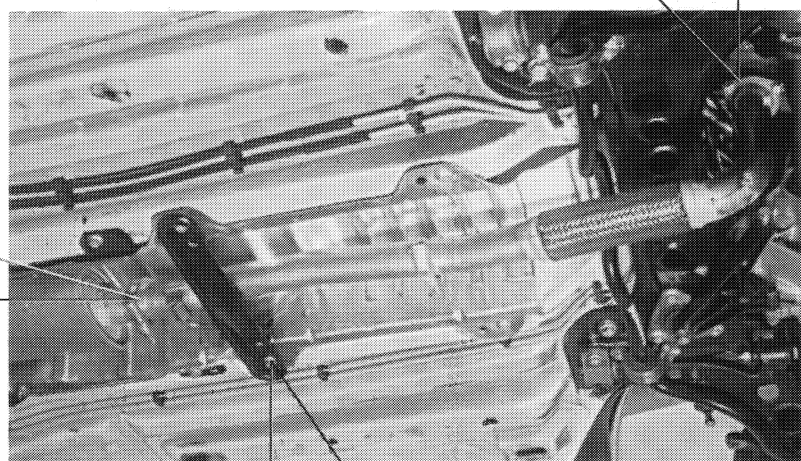
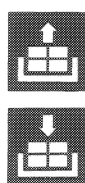
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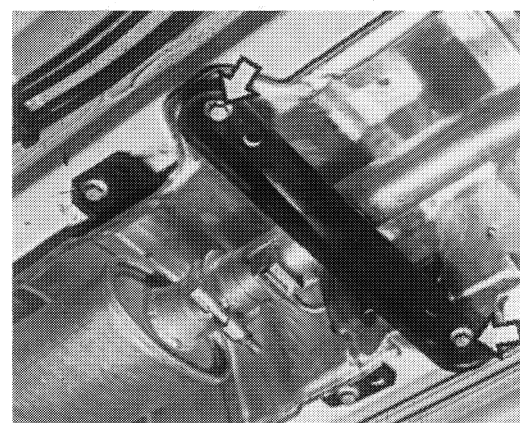
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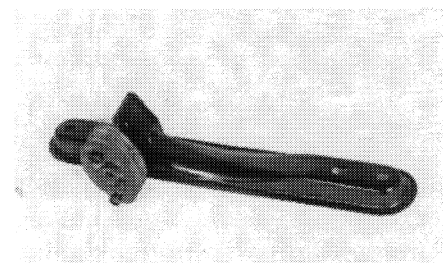
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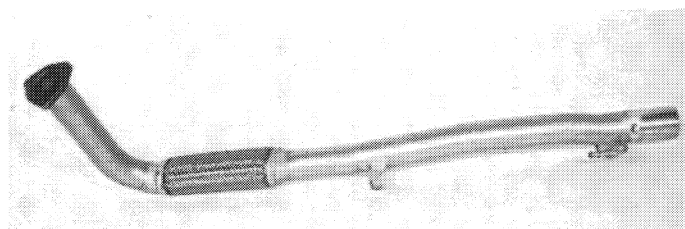
P3M013F04



P3M013F06



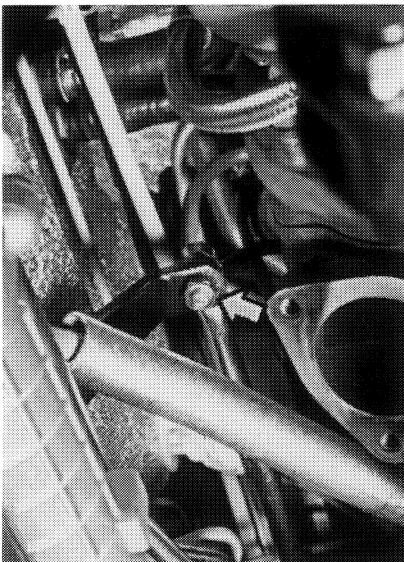
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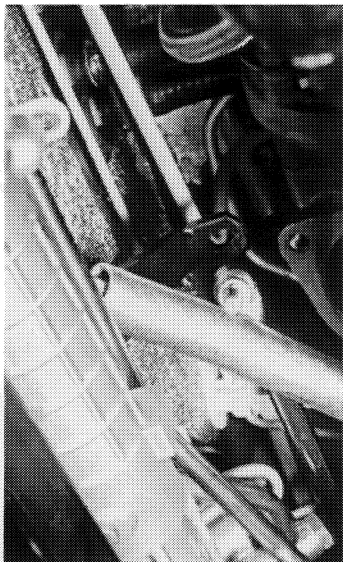
P3M013F05

Removing-refitting exhaust pipe front section

41.



P3M014F01



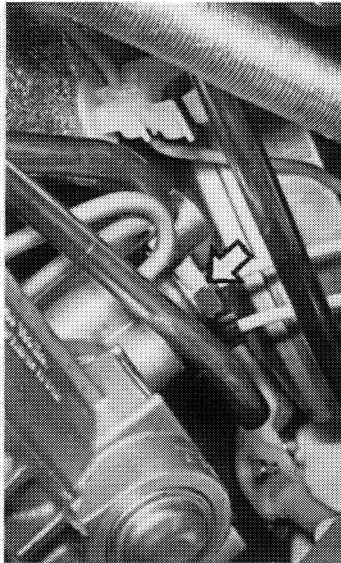
P3M014F02



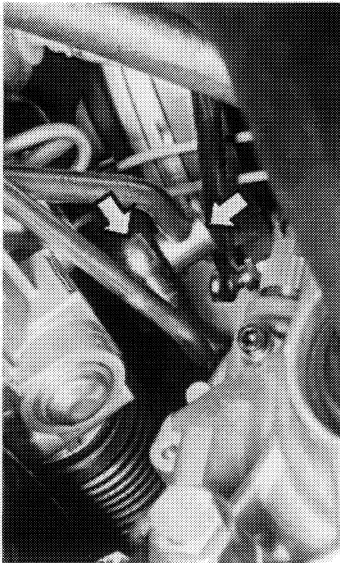
Dismantling-fitting gear selector control rod



P3M014F03



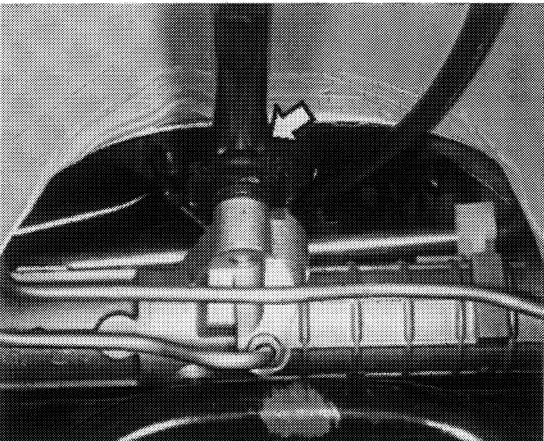
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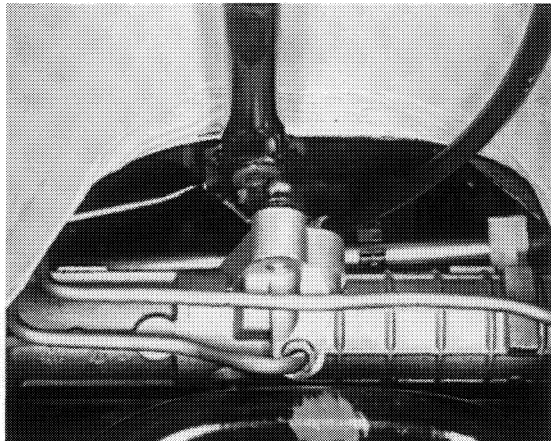
P3M014F05



Dismantling-fitting fluid return pipe to reservoir and pressurized fluid inlet pipe from steering gear



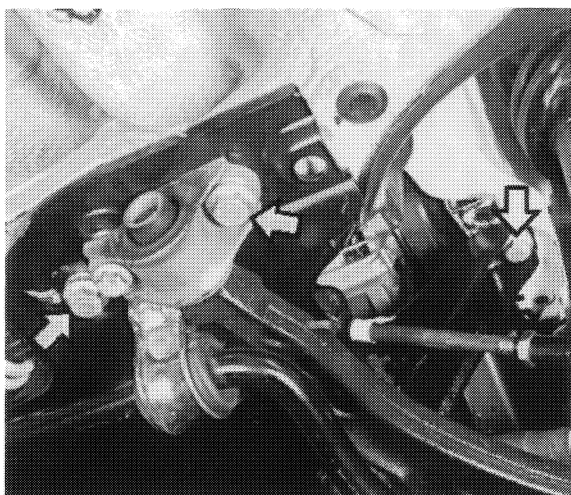
P3M014F06



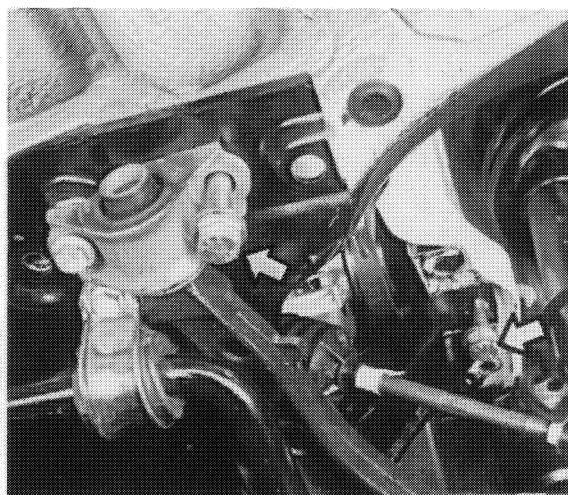
P3M014F07



Dismantling-fitting gear selection relay rod from steering gear

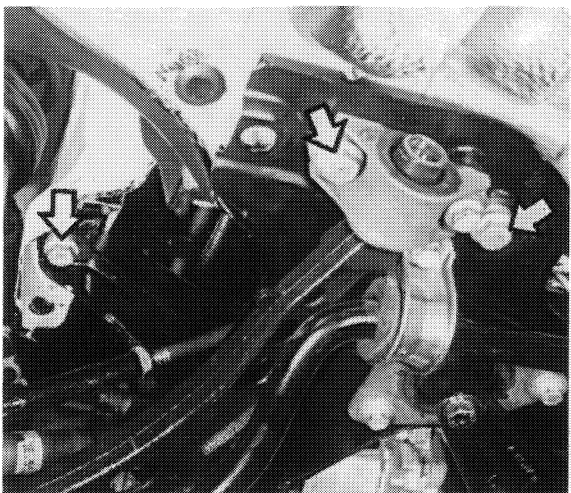


P3M015F01

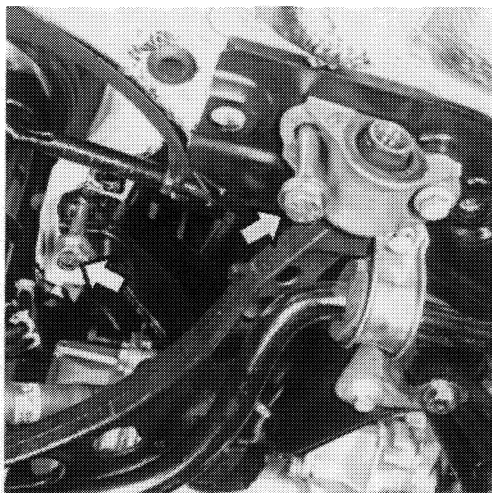


P3M015F02

Dismantling-fitting bolts securing steering subframe, right-hand side (arrowed) and replacing two of these bolts with longer bolts in order to be able to lower the subframe and withdraw the steering gear

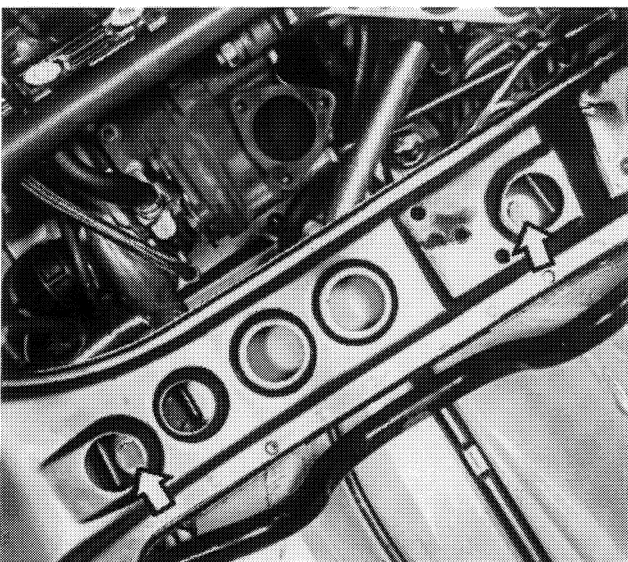


P3M015F03



P3M015F04

Dismantling-fitting bolts securing steering subframe, left-hand side (arrowed) and replacing two of these bolts with longer bolts in order to be able to lower the subframe and withdraw the steering gear



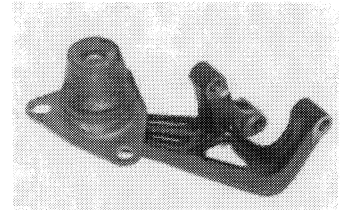
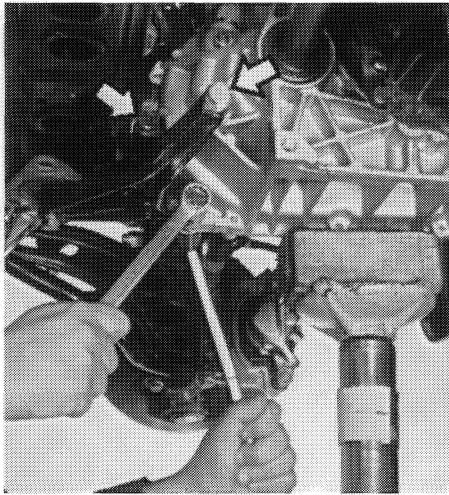
P3M015F05

Dismantling-fitting bolts securing steering gear to subframe

41.

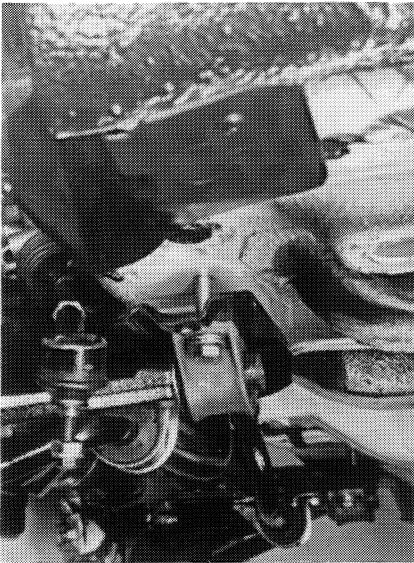


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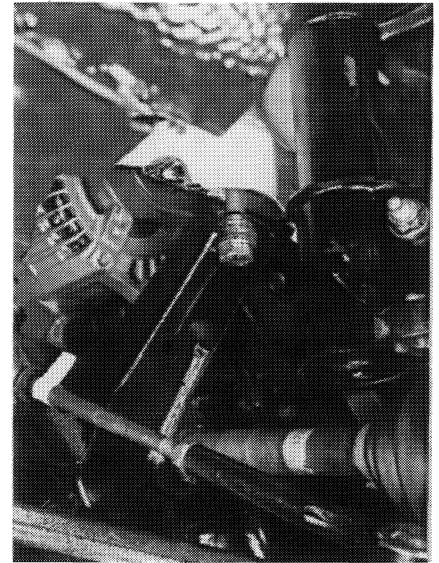


P3M016F03

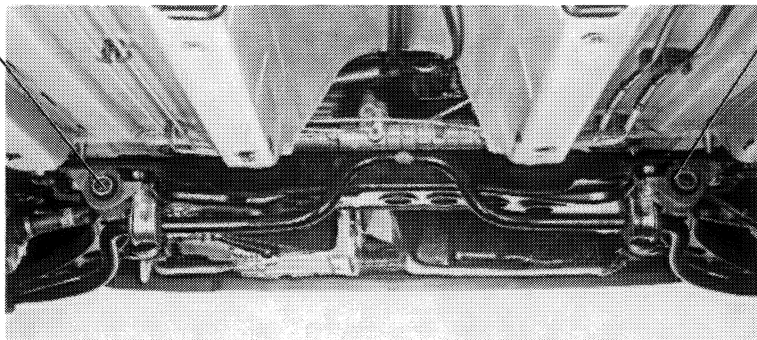
Removing-refitting engine unit rear mounting



P3M016F04

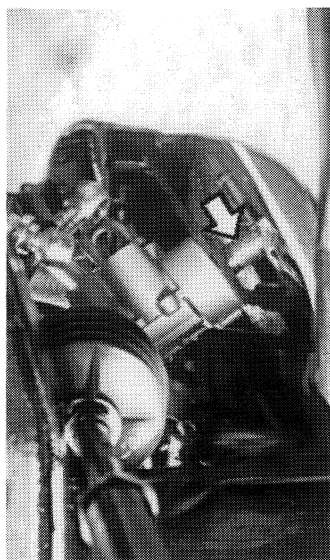


P3M016F05



P3M016F06

Subframe in lowered position to permit withdrawal of the steering gear



P3M017F01

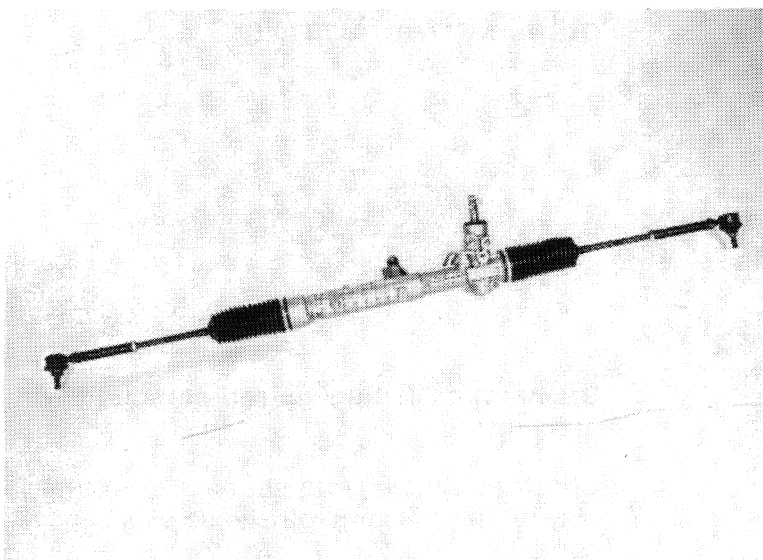


P3M017F02



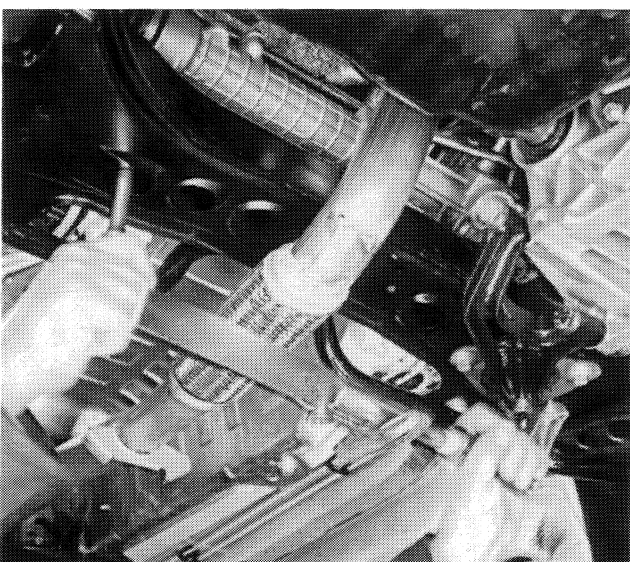
Withdrawal of rack-and-pinion power-assisted steering from car

NOTE *Check the front wheel toe-in whenever the steering gear is removed and refitted.*



P3M017F03

Rack-and-pinion power-assisted steering gear



P3M017F04



7 daNm

Fitting bolts securing steering gear to sub-frame and tightening them to specified torque

41.

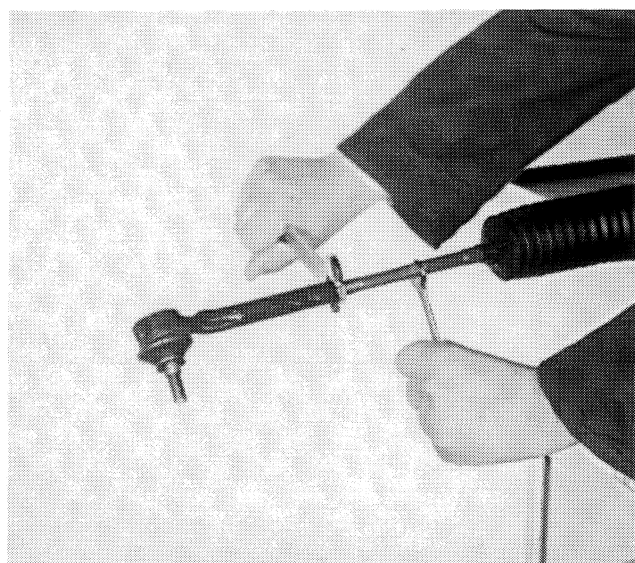


P3M018F01



10,8 daNm

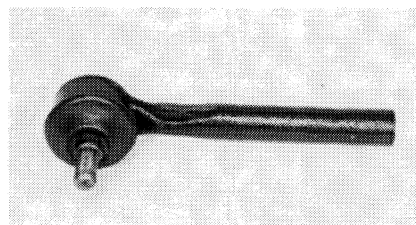
Fitting bolts securing steering subframe to body shell and tightening them to specified torque



P3M018F02



DISMANTLING-FITTING



P3M010F03

Dismantling-fitting tie-rod complete with ball joint

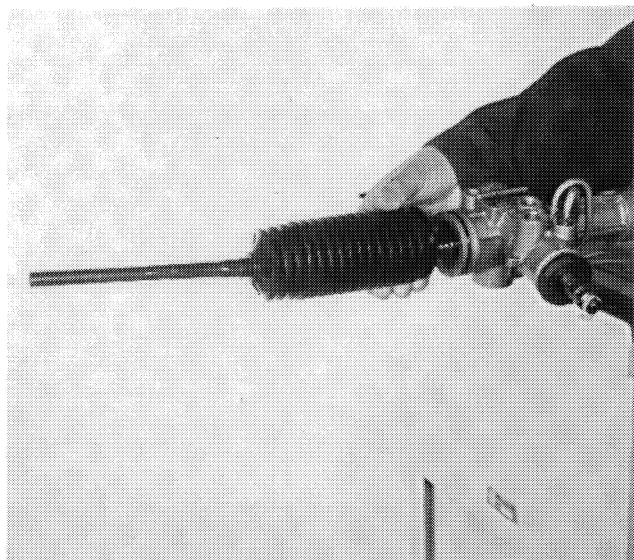
Check that there is no stiffness or excessive play on the ball joint, otherwise it must be renewed.



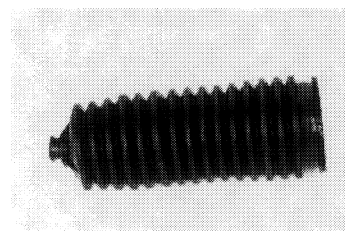
P3M018F03



Dismantling clip from protective gaiter



P3M019F01

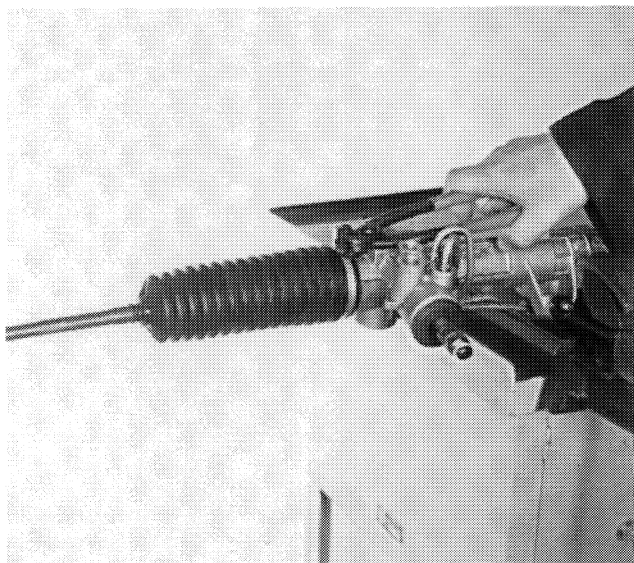


Dismantling-fitting protective garter and seal

Carefully check that the garter has no holes or tears, otherwise it must be renewed.



Before fitting the final garter (pinion side), insert the specified quantity of grease.



P3M019F03



Fitting protective garter retaining clip