



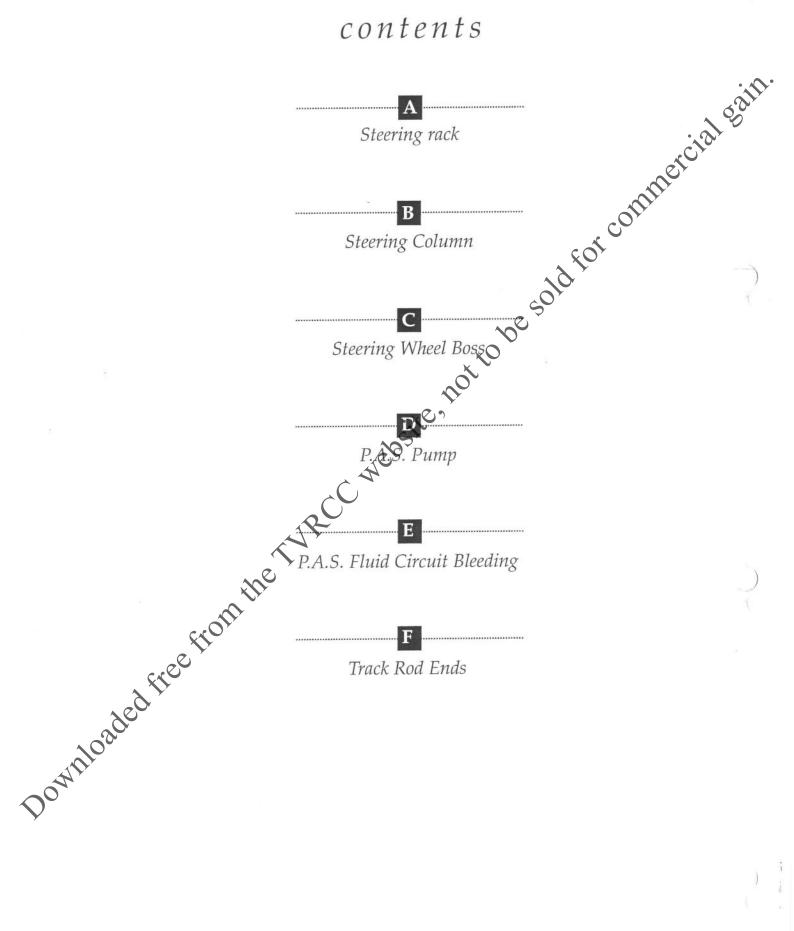
Section L - Steering N.B. Steering part numbers has with (H)

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contents





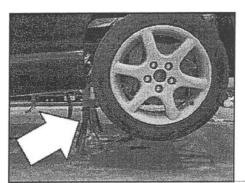




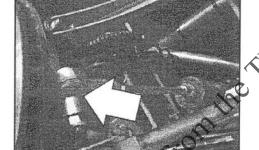
Steering Rack - Removal/Replacement Procedure

Service/Workshop Manual -Steering Rack

Before commencing this operation the engine once of the sold for commercial gain. coolant and the P.A.S. fluid have to be

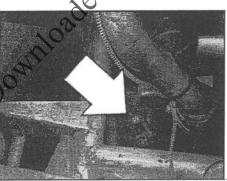


Service/Workshop Manual -Steering Rack



Service/Workshop Manual Strering Rack

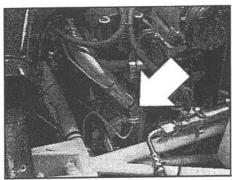
Once this has been done remove the Track Rod Ends using a ball joint splitter.



Service/Workshop Manual -Steering Rack

Then remove the steering UJ's.

4



Service/Workshop Manual -Steering Rack

Next carefully remove the coolant rubber piping

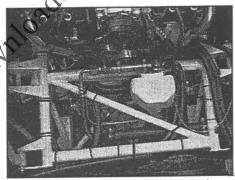
Service/Workshop Manual -Steering Rack

Service/Workshop Machael -Steering Rack

Remove coolant piping above rack - items to be removed shown opposite.

6

Remove Removed Shows a state of the state of th bolts and washers at each end of the rack which secures it to the chassis.



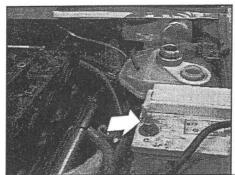
Service/Workshop Manual -Steering Rack

To remove, slide the rack to the N/S of the car and feed through the chassis as shown in the picture opposite.

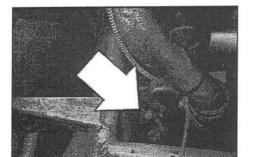
To replace a new rack reverse the outlined procedure. Remembering to bleed the P.A.S. fluid as well as bleeding the coolant fluid and antifreeze.





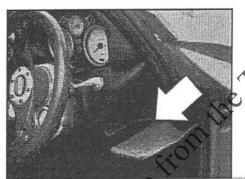


Service/Workshop Manual -Steering Column



Service/Workshop Manual -Steering Column

Then disconnect the upper United to be sold for the sold sold for th



Remove the column covering panel and carefully remove the wiring from the steering column sensors.

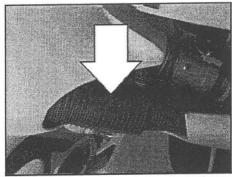
Please note: Ensure to make a note of the number of connectors and where they connect.

Service/Workshop Manual Stering Column

Service/Workshop Manual -Steering Column

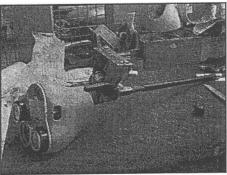
The column assembly can then be released from its mounting bracket which secures it to the chassis/roll cage. This bracket is also the column adjust bracket.

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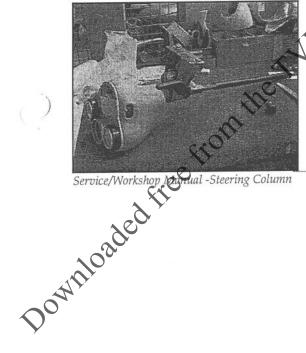


Service/Workshop Manual -Steering Column

Remove the air vent piping.



Service/Workshop Manual -Steering Column







Service/Workshop Manual - Steering Boss

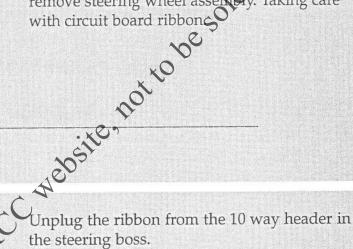
Remove the centre badge in the steering wheel by punching a hole in it.

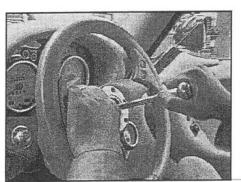
Remove the centre bolt (17mm socket) and remove steering wheel assembly. Taking care with circuit board ribbons.

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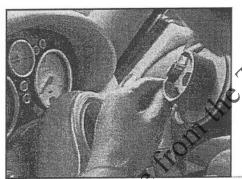
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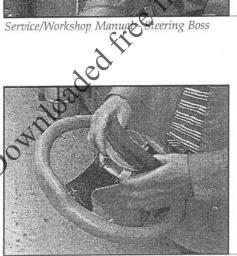
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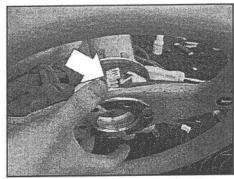
Service/Workshop Manual - Steering Boss





Service/Workshop Manual - Steering Boss

Remove the rubber gaiter from around the steering boss by sliding it away from the wheel.



Service/Workshop Manual - Steering Boss

Remove the 4 x 2 way plugs from the steering wheel instrument buttons to the PCB board. Noting their positions.

Remove the 6 x 5mm allea bolts from the centre of the wheel and split boss assembly the steering wheel. Remove the 6 x 5mm alley bolts from the centre of the wheel and polit boss assembly from the steering wheel.

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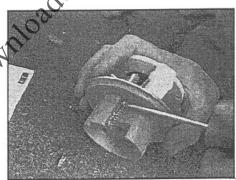


Service/Workshop Manual - Steering Boss

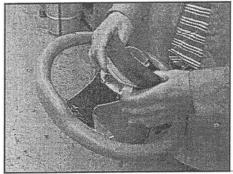
Service/Workshop Martual - Steering Boss

the steering wheel and tighten up the 6 x 5mm bolts.

Then loosely screw the PCB board to the boss allowing it to float freely, then reconnect the 4 x 2 way plugs in the same order that they were taken out and retighten board.



Service/Workshop Manual - Steering Boss

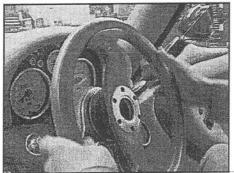


Service/Workshop Manual - Steering Boss

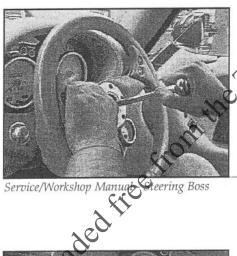
Refit the steering boss rubber gaiter.

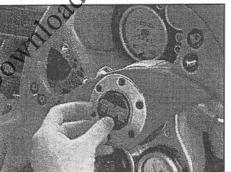
Reconnect ribbon and place the wheel in position turning anti-clockwise until the rib feels tight. Then turn the wheel 3.5 tir lockwise direction. Website, not to

Refit the steering boss and steering wheel assembly back onto the steering column by replacing the securing bolt and torque to 25 ft lb.



Service/Workshop Manual - Steering Boss





Service/Workshop Manual - Steering Boss

Finally replace badge.

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Notes

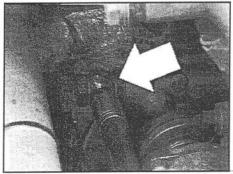
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Service/Workshop Manual - P.A.S. Pump

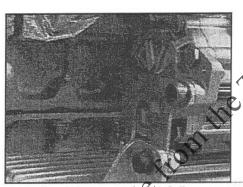


Service/Workshop Manual - P.A.S. Pump



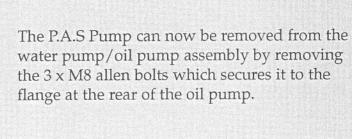
Firstly remove the High Pressure P.A.S. fluid hose with its banjo bolt and washers then remove the low pressure poe from the side of the P.A.S pump. Which is located on the O/S of the engine and is at the end of the assembly of water pump and or pump.

Please note: Alo A.S. oil will drain out.



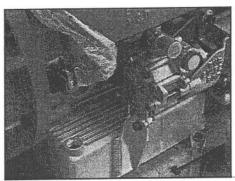
Service/Workshop Manual A.S. Pump

The P.A.S Pump steady bracket can now be removed by removing the M8 allen bolt which secures it to the sump.



Service/Workshop Manual - P.A.S. Pump

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To replace the new P.A.S. Pump reverse the out

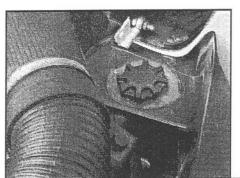
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Service/Workshop Manual -P.A.S. Fluid Bleeding

Before comencing the operation of bleeding the P.A.S. fluid the car needs to be raised onto axle



Service/Workshop Manual -P.A.S. Fluid Bleeding

Next ensure the P.A.S. fluid reservoir is topped up.

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C Start the engine.



Service/Workshop Manua P.A.S. Fluid Bleeding



Service/Workshop Manual -P.A.S. Fluid Bleeding

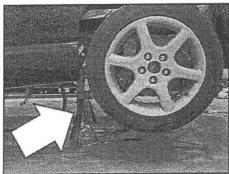
Rotate the steering wheel to give one full lock. Hold it for ten seconds and then apply the opposite lock, repeat 2-3 times. Ensure the reservoir is topped up during this operation. This should bleed any air out of the system.

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Service/Workshop Manual -Track Rod Ends

Before comencing the operation of removing Remorrar the Track Rod Ends the car needs to be raised on

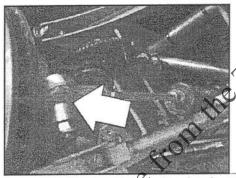
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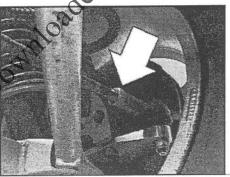


Service/Workshop Manual -Track Rod Ends

track rod end to the steering arm.



Service/Workshop Manual Dack Rod Ends

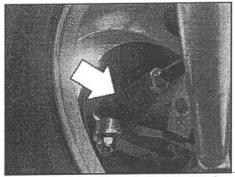


Service/Workshop Manual -Track Rod Ends

Next slacken of the lock nut on the steering rack arm.

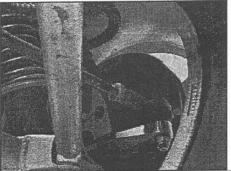
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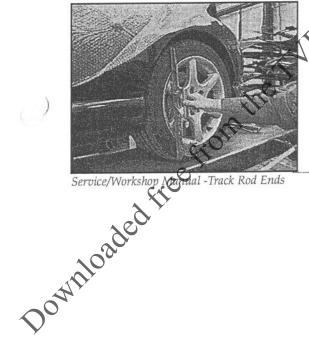
Service/Workshop Manual -Track Rod Ends

Remove the Track Rod End using a ball joint splitter.



Service/Workshop Manual -Track Rod Ends

To replace the new Track Rod End reverse the outlined procedure. To replace the new Trace outlined procedure.



Finally keeping rack central adjust tracking and

Please note: Always renew in pairs