

Section H/I - Gearbox

N.B. Gearbox part numbers begin with (F)

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Remove and Replace Gearbox

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Remove and Replace Propshaft

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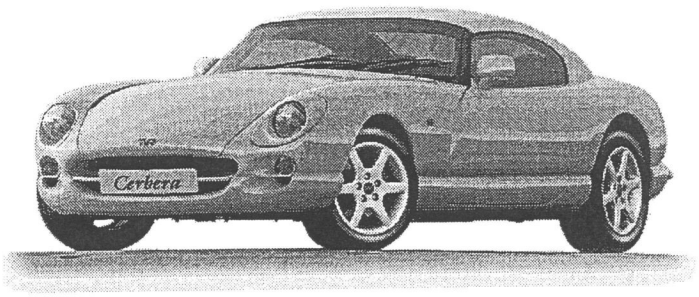
Remove and Replace Gear lever

D

Gearbox oil level checking

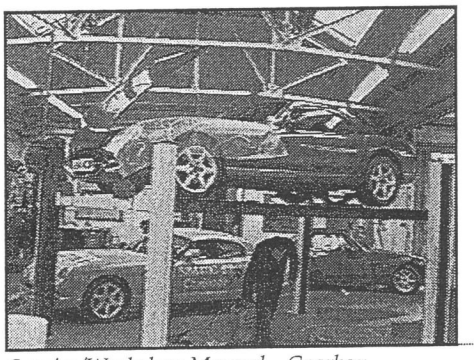
E

Drawing and refilling gearbox oil



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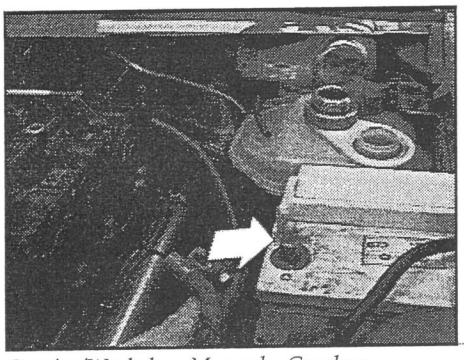
Gearbox removal & replacement



1

To gain access to remove the gearbox the car must be raised on a ramp.

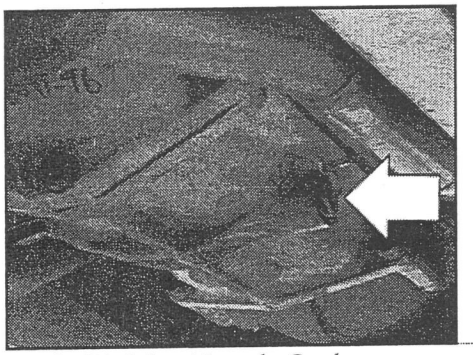
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2

Disconnect the battery. As described in the electrical section of this manual.

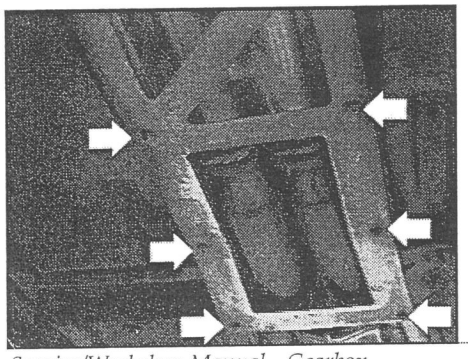
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3

Drain the gearbox of its oil.

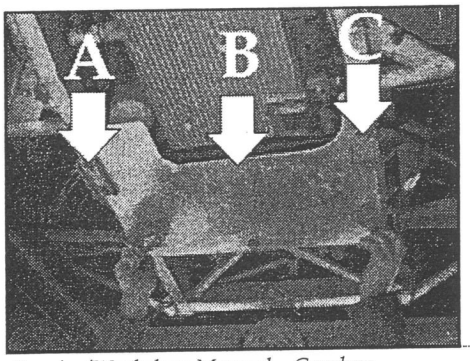
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4

Remove the 10 x M10 bolts that secure the chassis strengthening plate in place.

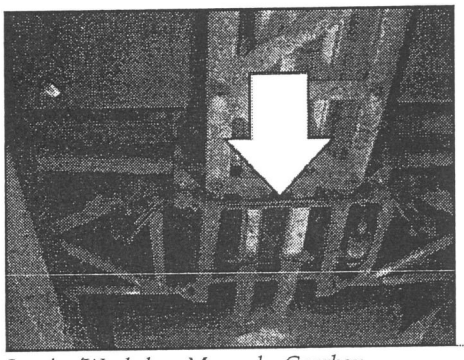
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5

Remove the 5 x M10 bolts which secure the front chassis closing plate.

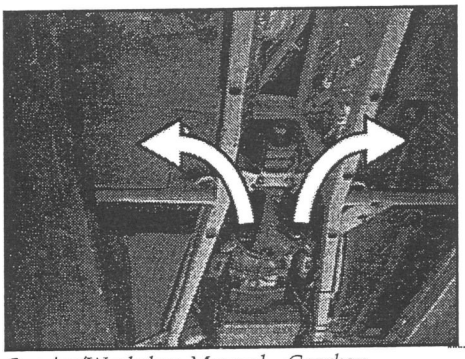
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6

Remove the rear anti roll bar - described in the rear suspension section.
MkI anti-roll bars were fitted upto 1/98.
(As Shown)
MkII onwards.- Rear suspension update.

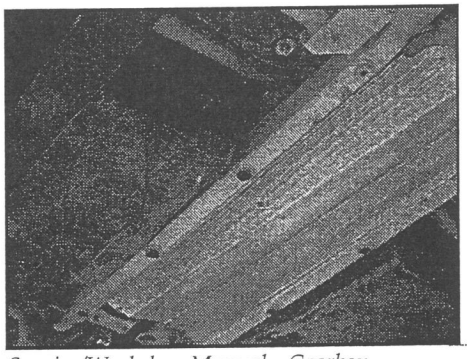
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7

Split the exhaust system at the manifold to catalysts. Support the rear silencer and unhook the rear exhaust supporting rubbers. Remove the whole exhaust system.

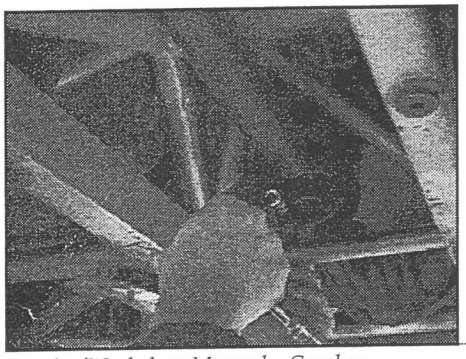
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8

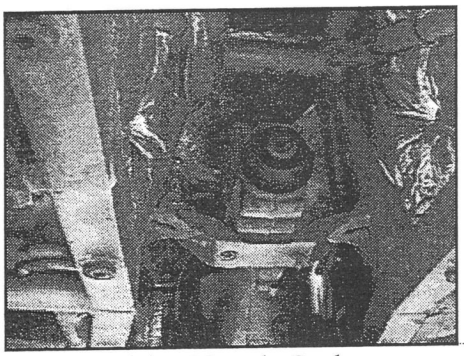
Drill out the rivets which secure the heat shield to the inside of the tunnel and remove.

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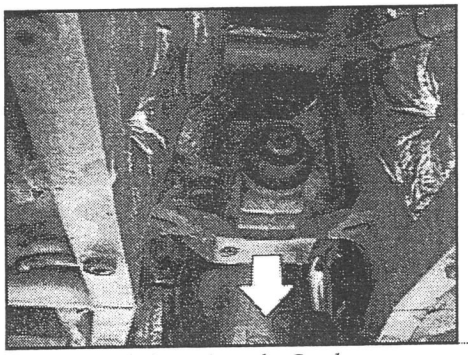
9

Remove the 4 x 3/8 UNF bolts that secure the prop shaft to the diff. The prop will then slide free from the gearbox.



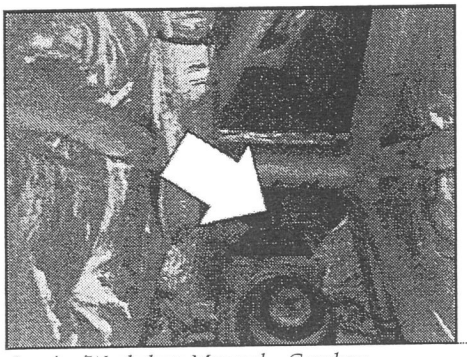
10

Gearbox Mounting bracket for cars Pre Jan '97.
Supporting the gearbox remove the 2 rubber bobbins on the gearbox mounting and then the 2 x M10 nuts which hold the mounting bracket in place.
N.B. The gearbox will drop slightly. Supporting the sump at the rear should allow enough space to remove the gearbox.



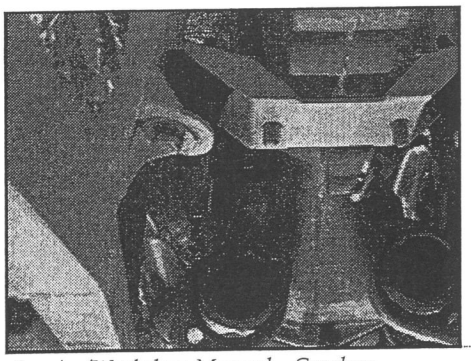
11

Gearbox Mounting bracket for cars Jan '97 onwards.
Supporting the gearbox remove the mounting bracket by removing the M12 nut and bolt on the rubber mounting. The bracket can then be removed.
N.B. The gearbox will drop slightly. Supporting the sump at the rear should allow enough space to remove the gearbox.



12

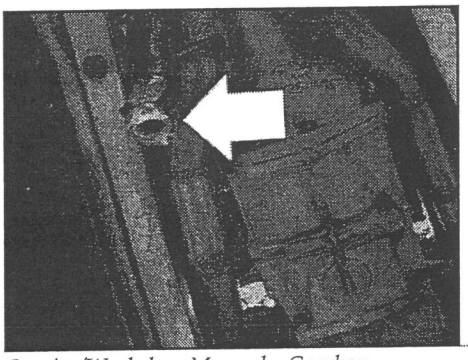
Remove the 2 X M8 gear lever securing bolts from above the gearbox and leave the gearlever in place.



13

Remove the sensors which are located in the end of each exhaust manifold.
Note which sensor comes from which bank.

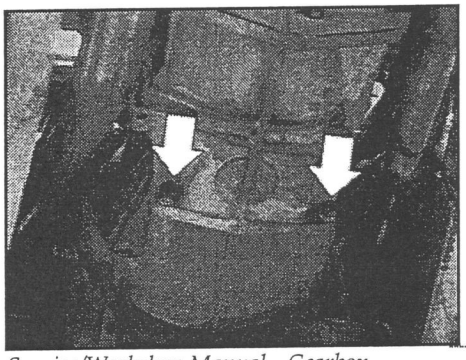
Service/Workshop Manual - Gearbox



14

Disconnect the reverse light switch wiring from the N/S of the gearbox.

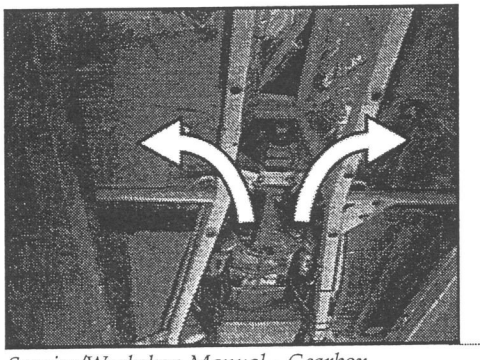
Service/Workshop Manual - Gearbox



15

Remove the 4 x M12 allen bolts from the gearbox that secures it to the bellhousing.

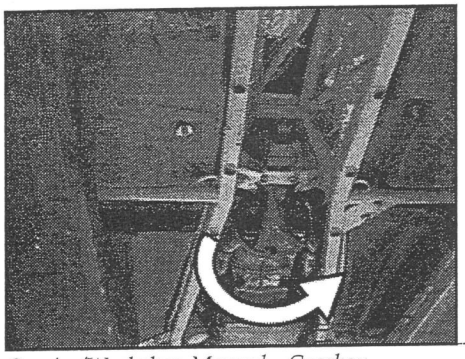
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16

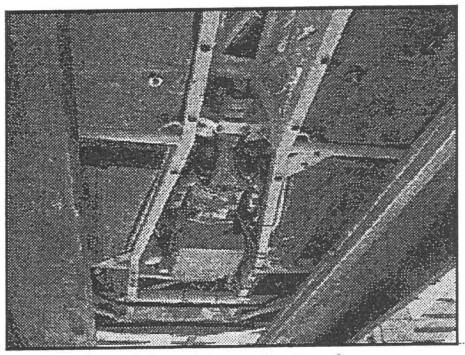
To remove the gearbox box the two manifolds may have be moved by levering them to each side and down so the back end of the gearbox can be manoeuvred past them.

Service/Workshop Manual - Gearbox



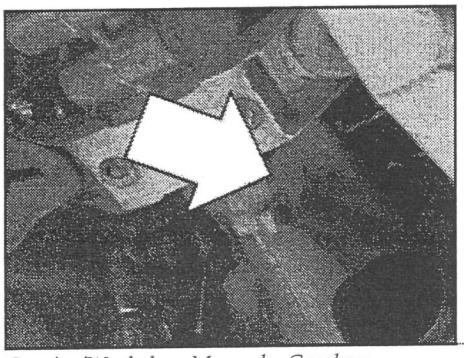
17

The gearbox will then have to be rotated upside down so that it will drop out front side first.



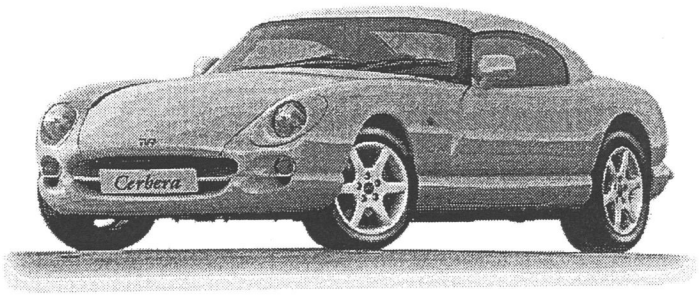
18

To replace with a new gearbox the outlined procedure should be reversed ensuring all sensors and switches are carefully reconnected.



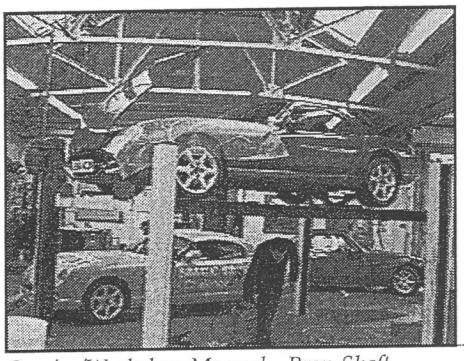
3

All new gearboxes will be fitted with speedo drives. Replace with the blanking plug from the old gearbox.



Service / Workshop Manual

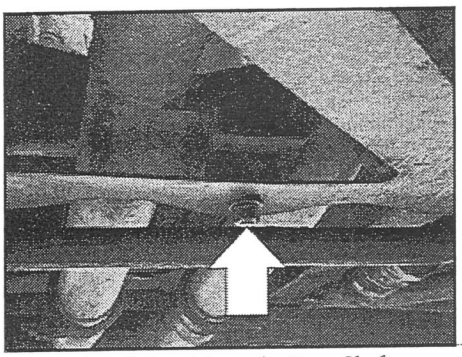
Prop-Shaft removal & replacement



Service/Workshop Manual - Prop-Shaft

1

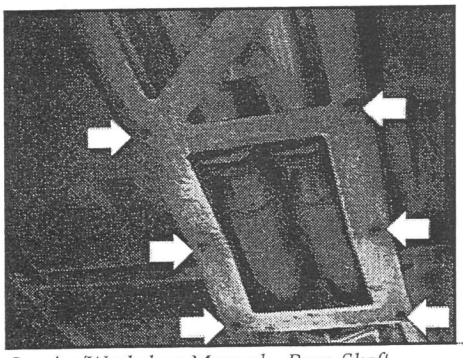
To remove the prop-shaft the car must be raised on a ramp so access can be gained from underneath.



Service/Workshop Manual - Prop-Shaft

2

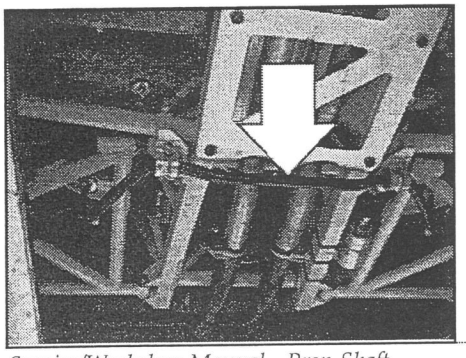
Remove the exhaust mounting bobbin securing nut.



Service/Workshop Manual - Prop-Shaft

3

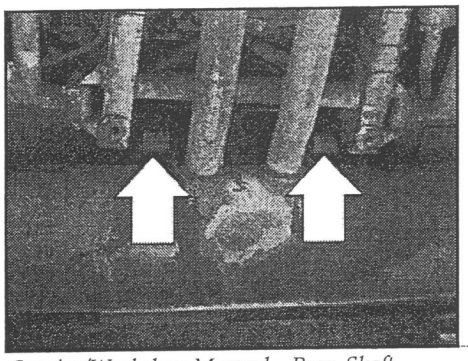
Remove the 10 x M10 allen bolts that secure the strengthening plate in place.



Service/Workshop Manual - Prop-Shaft

4

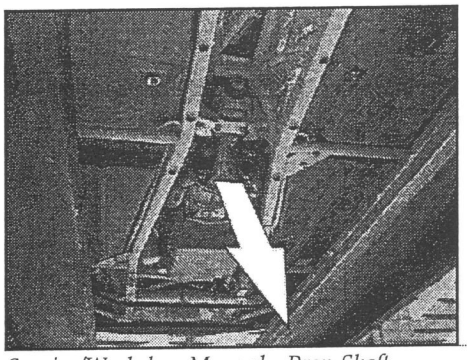
Remove the rear anti roll bar - described in the rear suspension section.



Service/Workshop Manual - Prop-Shaft

5

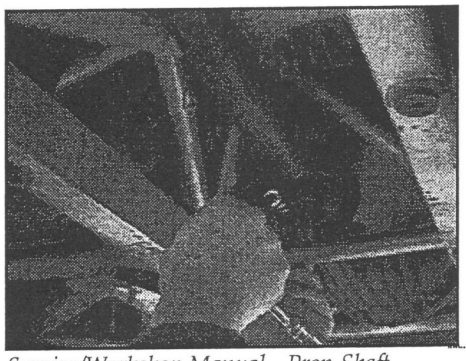
Support the rear silencer and unhook the rear exhaust supporting rubbers.



Service/Workshop Manual - Prop-Shaft

6

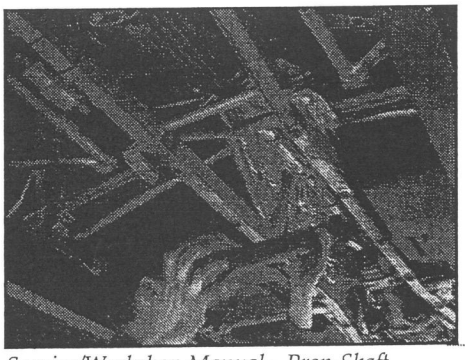
Remove the exhaust system from the manifolds to cats. and remove the whole exhaust system complete with catalytic convertors.



Service/Workshop Manual - Prop-Shaft

7

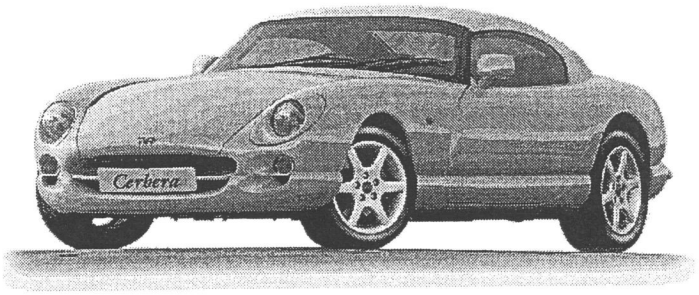
Remove the 4 x 3/8 UNF bolts that secure the prop shaft to the diff. The prop will then slide free from the gearbox.



Service/Workshop Manual - Prop-Shaft

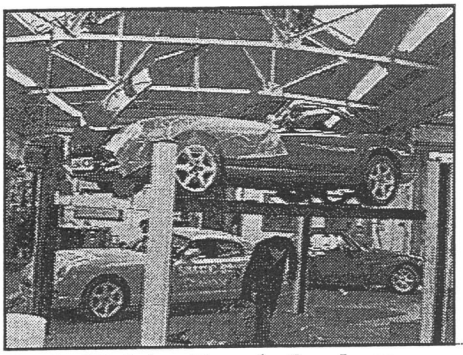
8

To replace a new prop shaft the outlined procedure should be reversed. Carefully check exhaust clearance. N.B. When a new prop has been fitted check the prop shaft end float (rear of prop - diff. flange this should be 7-10mm). New bolts and nyloc nuts should be used and torqued to 45 ft lb.
If however the end float isn't between 7-10mm please contact the TVR factory for advise.



Service / Workshop Manual

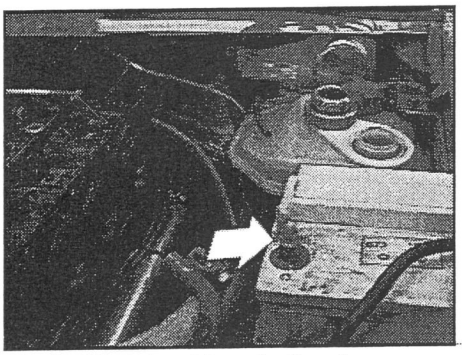
Gear lever



Service/Workshop Manual - Gear Lever

1

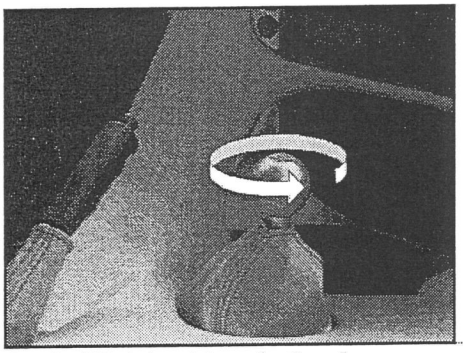
To remove the gearlever the car must be raised on a ramp so access from underneath can be gained.



Service/Workshop Manual - Gear Lever

2

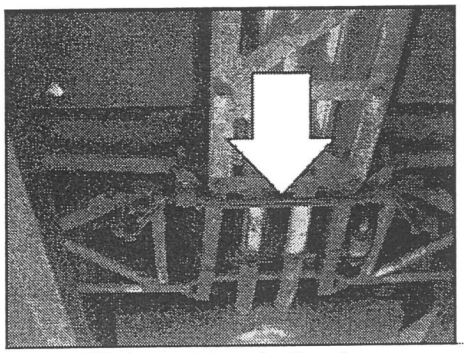
Disconnect the battery.



Service/Workshop Manual - Gear Lever

3

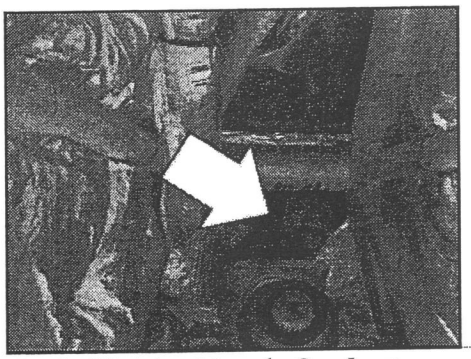
Remove the gear knob and the gear knob bush from the gearlever in the cabin.



Service/Workshop Manual - Gear Lever

4

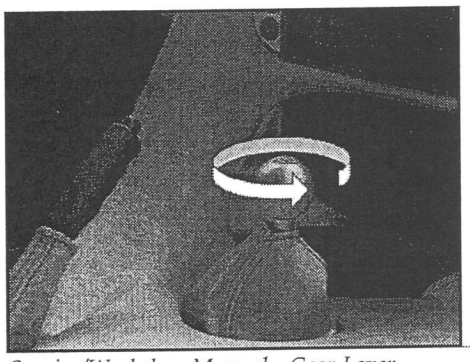
Remove the rear anti-roll bar and the complete exhaust system - as described in the removal of gearbox sub-section.



5

Remove the 2 x M8 allen bolts which connect the gear lever to the gearbox. This is easier if done from under the car. To gain better access to these bolts the heat sheild and prop should also be removed as described in their relevany sections.

Service/Workshop Manual - Gear Lever



6

Once this has been done the gearlever can be removed and replaced.

Service/Workshop Manual - Gear Lever