

Section H/I - Gearbox

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

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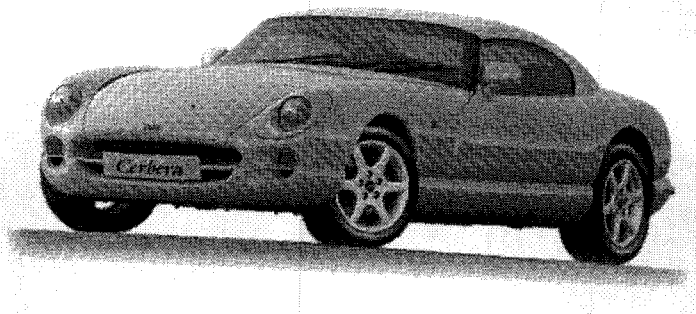
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E

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Notes



Service / Workshop Manual

Gearbox removal & replacement



1

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

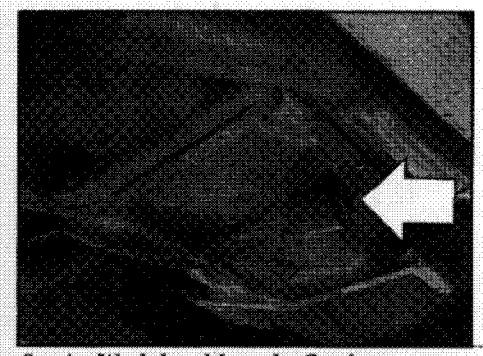
Service/Workshop Manual - Gearbox



2

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

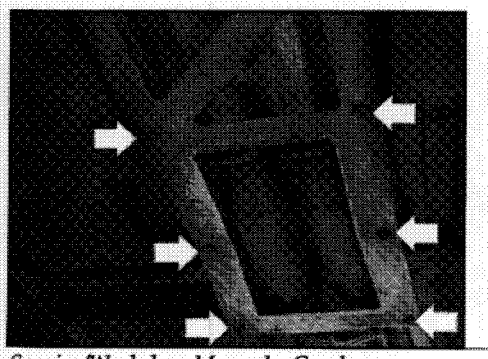
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3

Drain the gearbox of its oil.

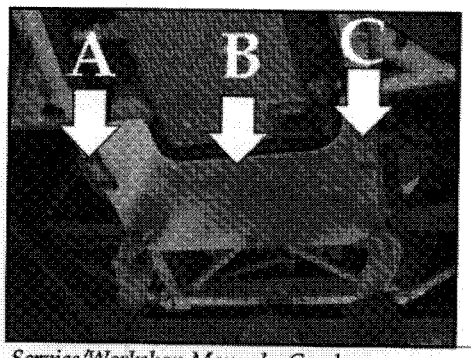
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4

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

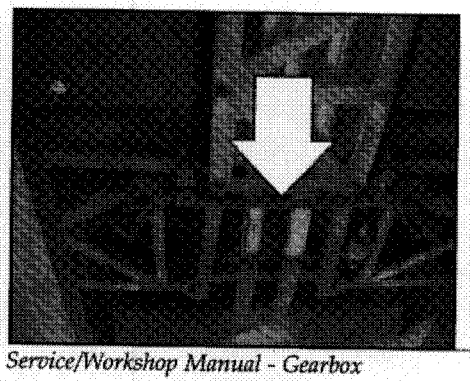
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5

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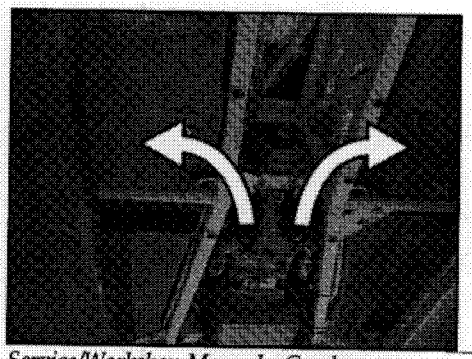
Remove the 5 x M10 bolts which secure the front chassis closing plate.



6

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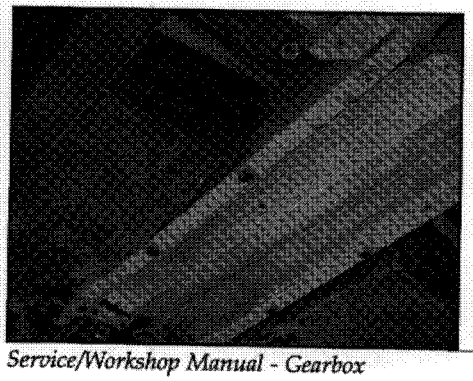
Remove the rear anti roll bar - described in the rear suspension section.
MkI anti-roll bars were fitted upto 1/98.
(As Shown)
MkII onwards.- Rear suspension update.



7

Service/Workshop Manual - Gearbox

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.



8

Service/Workshop Manual - Gearbox

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



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.

Service/Workshop Manual - 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.

Service/Workshop Manual - 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.

Service/Workshop Manual - Gearbox



12

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

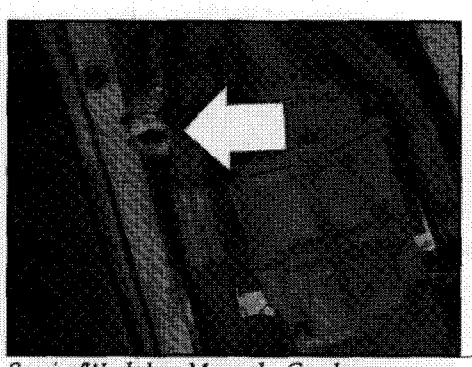
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13

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

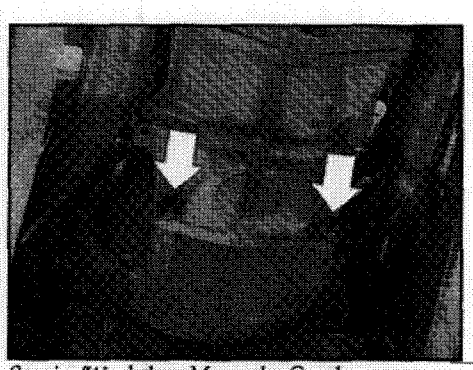
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14

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

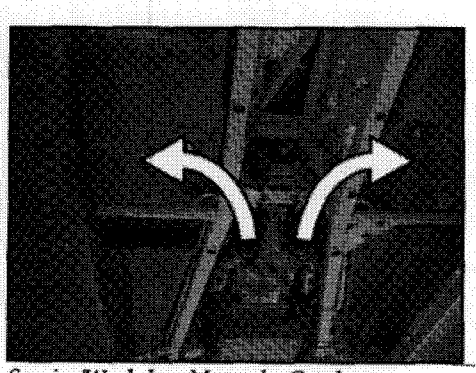
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15

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.

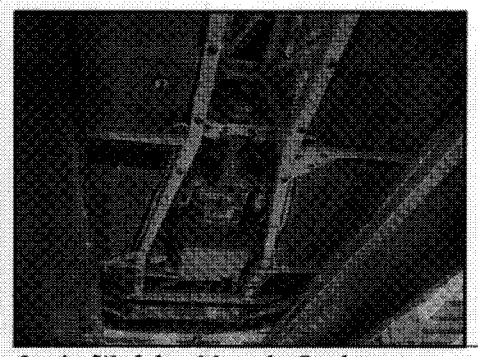
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17

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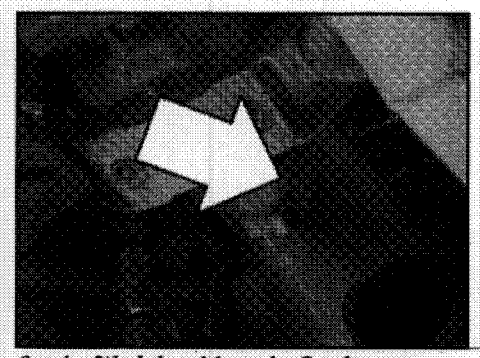
The gearbox will then have to be rotated upside down so that it will drop out front side first.



18

Service/Workshop Manual - Gearbox

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

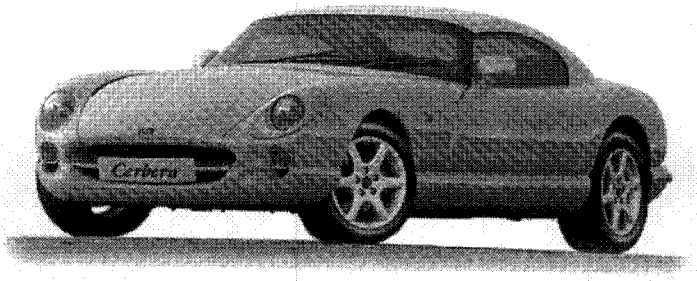


3

Service/Workshop Manual - Gearbox

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

Notes



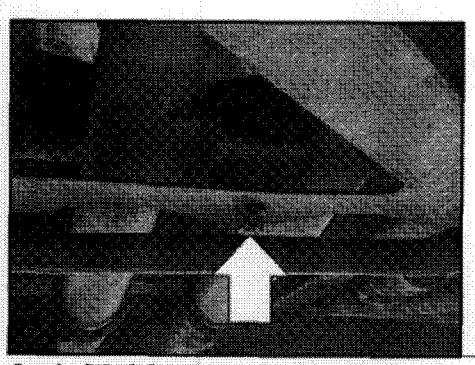
Service / Workshop Manual

Prop-Shaft removal & replacement



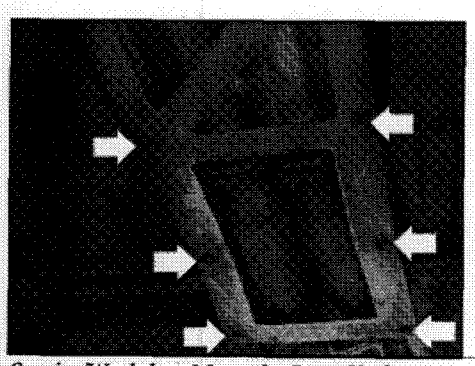
1

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



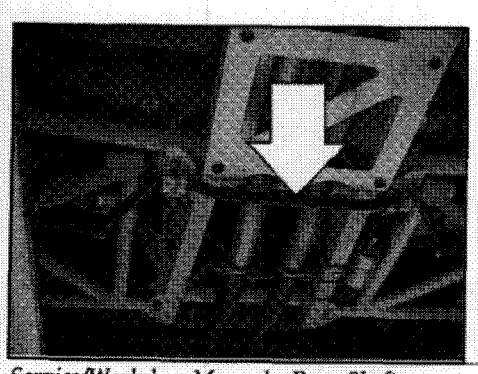
2

Remove the exhaust mounting bobbin securing nut.



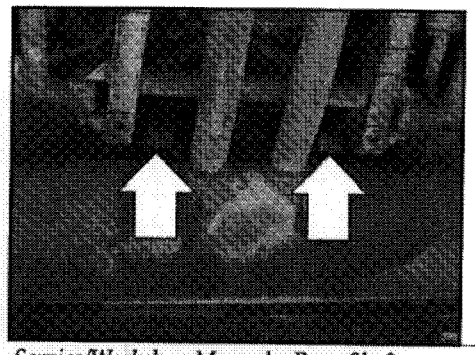
3

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



4

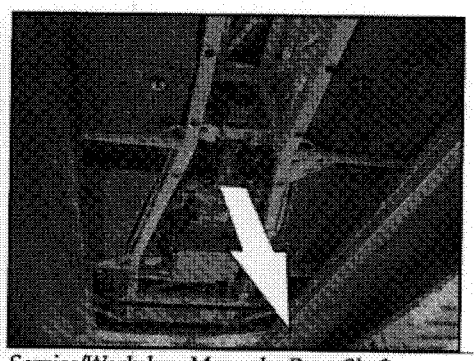
Remove the rear anti roll bar - described in the rear suspension section.



5

Service/Workshop Manual - Prop-Shaft

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



6

Service/Workshop Manual - Prop-Shaft

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



7

Service/Workshop Manual - Prop-Shaft

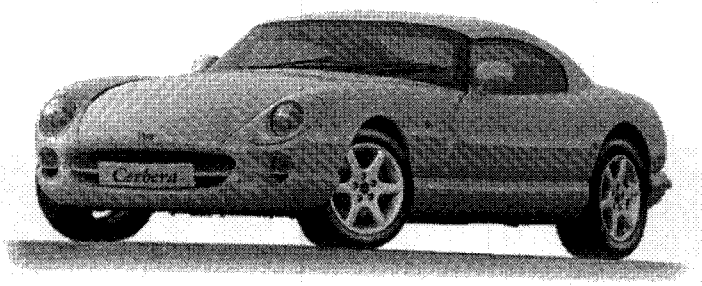
Remove the 4 x 3/8 UNF bolts that secure the prop shaft to the diff. The prop will then slide free from the gearbox.



8

Service/Workshop Manual - Prop-Shaft

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

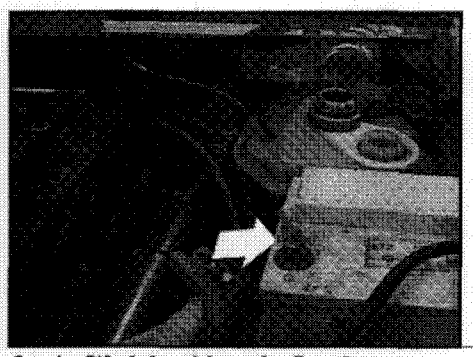
Gear lever



1

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

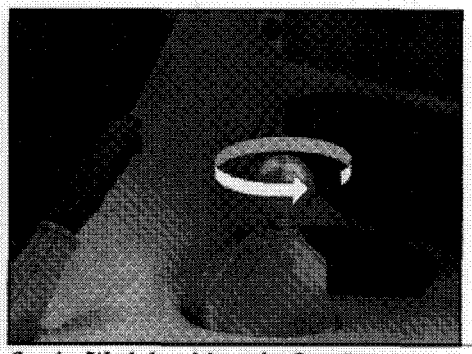
Service/Workshop Manual - Gear Lever



2

Disconnect the battery.

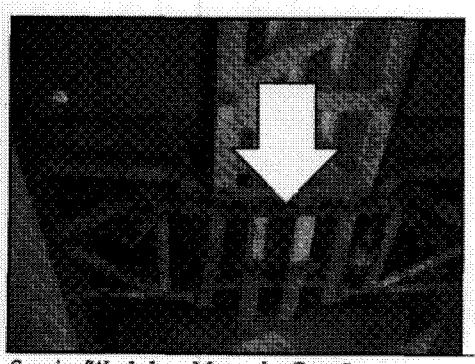
Service/Workshop Manual - Gear Lever



3

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

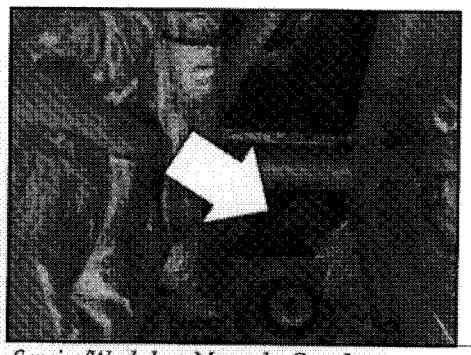
Service/Workshop Manual - Gear Lever



4

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

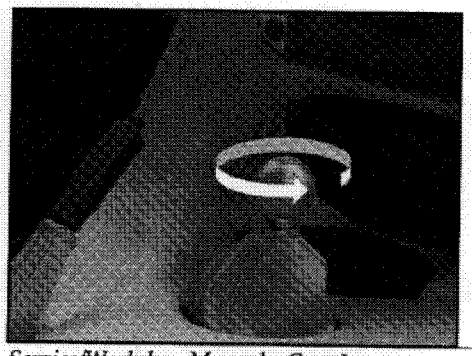
Service/Workshop Manual - Gear Lever



Service/Workshop Manual - Gear Lever

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.