

Section U - Differential

N.B. Differential part numbers begin with (R)

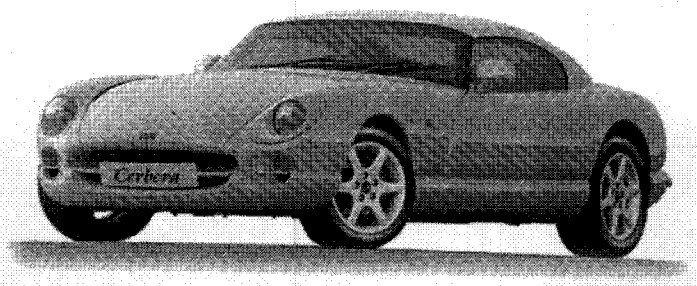
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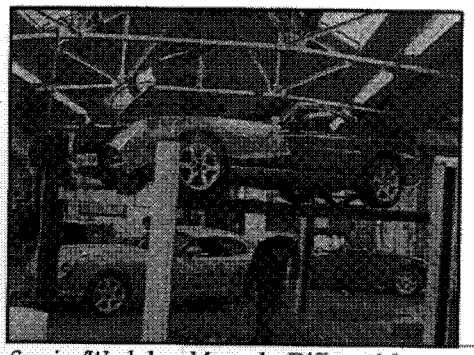
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Notes



Service / Workshop Manual

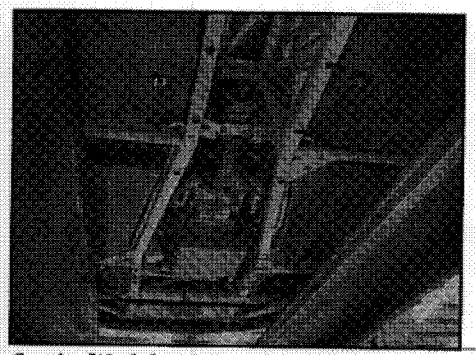
Differential



Service/Workshop Manual - Differential

1

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



Service/Workshop Manual - Differential

2

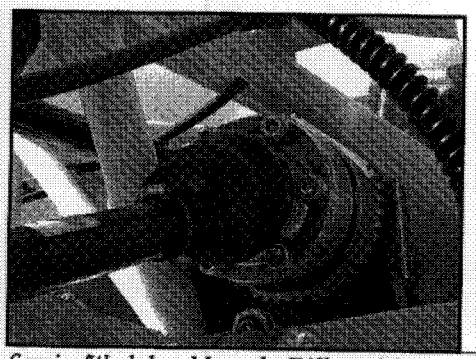
To gain access to the diff mounting bolts the whole exhaust system needs to be removed. Instructions for this can be found in the Section called:-
"Exhaust -Removal and Replacement"



Service/Workshop Manual - Differential

3

Once this has been completed, remove the 4 x 3/8 UNF bolts that secure the prop shaft to the diff. the prop will then slide free of the gearbox.



Service/Workshop Manual - Differential

4

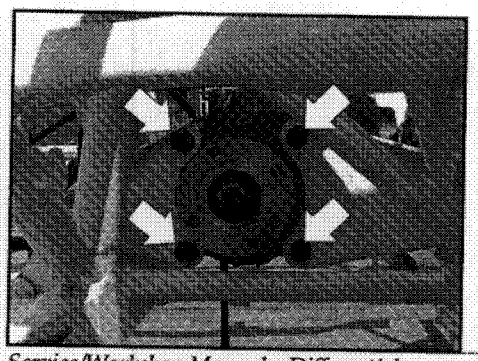
Next unbolt the 12 x M10 allen bolts, spring washer and spacer plates which secure the drive shaft to the diff.



Service/Workshop Manual - Differential

3

Remove the 2 x M8 bolts which secure the speedo sensor assembly to the diff.



Service/Workshop Manual - Differential

4

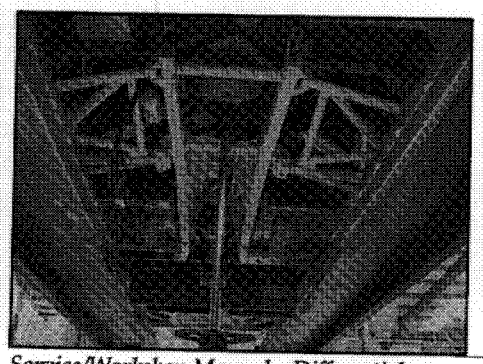
Remove the 4 x M12 bolts with spring washers which secure the diff to the two front mounting plates.



Service/Workshop Manual - Differential

5

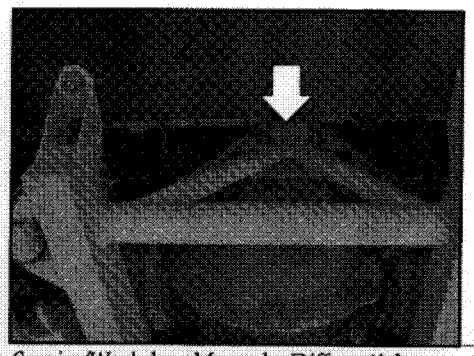
Next remove the bolt with its 7/16 UNF nut and spring washers which secures the front mounting brackets to the chassis.
When replacing torque to:- 95 lb ft



Service/Workshop Manual - Differential

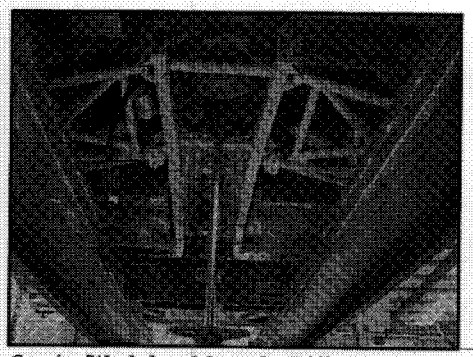
6

Before removing the final securing bolts the diff. will have to be supported



Service/Workshop Manual - Differential

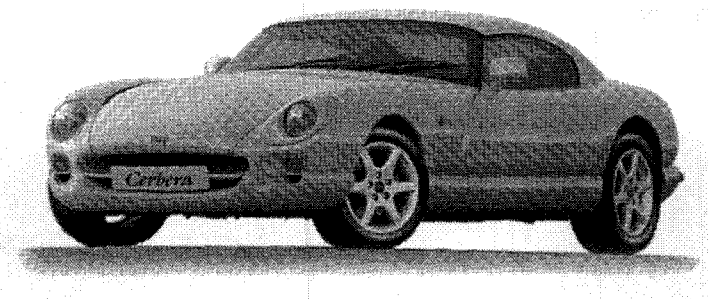
Remove the bolt washers and nyloc nut which secures the rear mounting bracket to the chassis.



Service/Workshop Manual - Differential

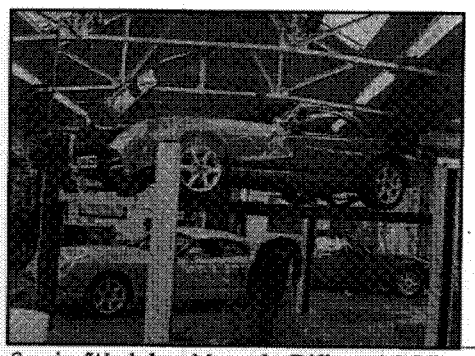
Next slide the nose of the diff. forward towards the front of the car. Rotate it until the drive shaft flange is facing downwards and lower the back end downwards then slide out.

Notes



Service / Workshop Manual

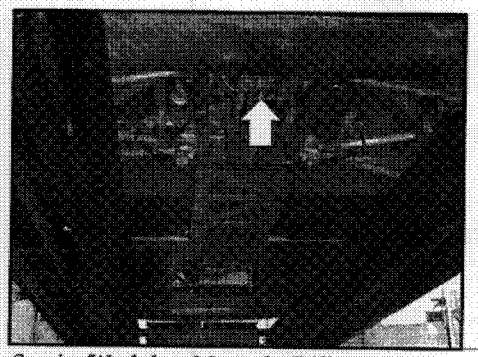
Differential Oil - Removal/Replacement Procedure



Service/Workshop Manual - Differential Oil

1

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



Service/Workshop Manual - Differential Oil

2

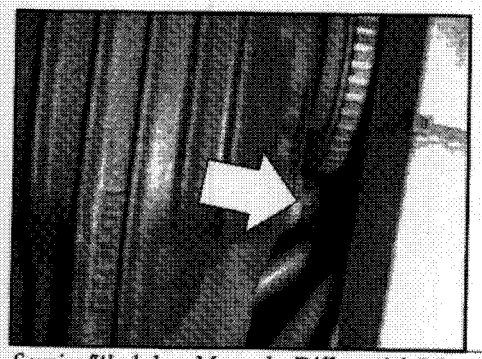
Access to the drain plug is simple and the exhaust system does not need to be removed.



Service/Workshop Manual - Differential Oil

3

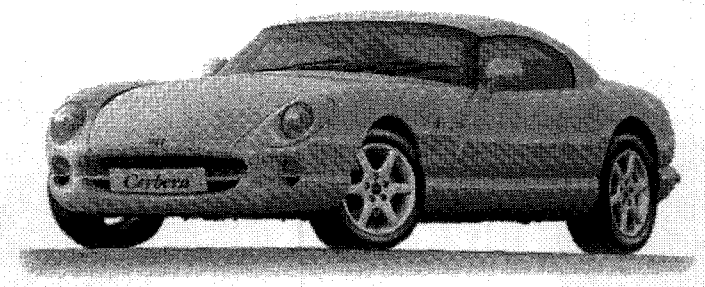
Remove the M8 bolt which is located at the bottom of the diff. ensure that you have a container under it to capture the oil as it is drians away.



Service/Workshop Manual - Differential Oil

4

Replace the diff oil by pumping new oil into the filler plug which is located on the O/S of the diff. as shown.



Service / Workshop Manual

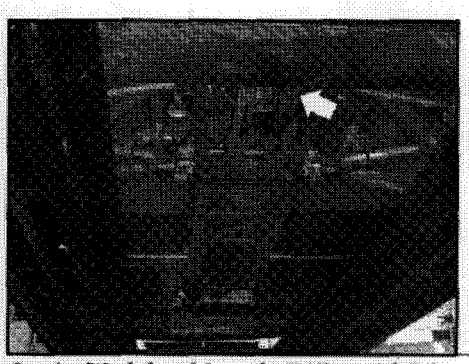
Differential Oil - Level Checking



Service/Workshop Manual - Differential Oil

1

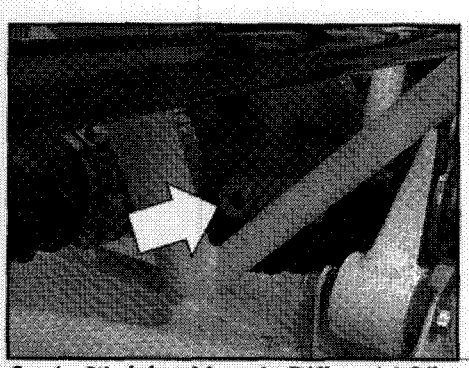
To check the level diff. oil the car must be raised on a ramp.



Service/Workshop Manual - Differential Oil

2

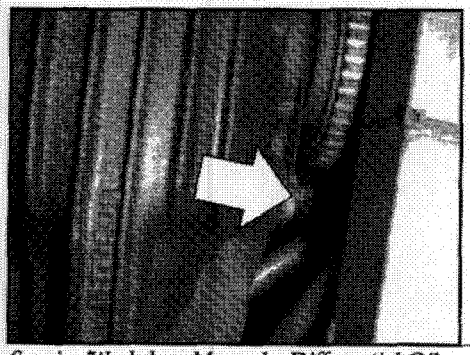
Remove the filler plug on the O/S of the diff.



Service/Workshop Manual - Differential Oil

3

If oil leaks out from the diff then the level of oil is o.k.



Service/Workshop Manual - Differential Oil

4

If no oil leaks out fill to the top of the filler plug hole.