



Section M - Brakes

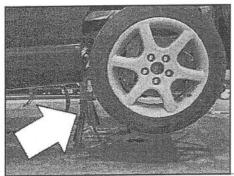
N.B. Brake part numbers band with (!)

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	Pedal Box	
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7.	Brake Pads	



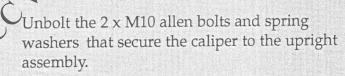
Service/Workshop Manual - Front Brake Calliper

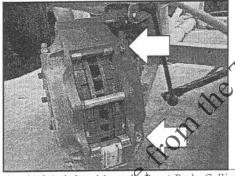
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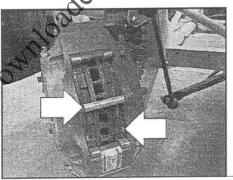
Unbolver N.B. This procedure is basically the same for the front and the rear and for this the front

Service/Workshop Manual - Front Brake Calliper





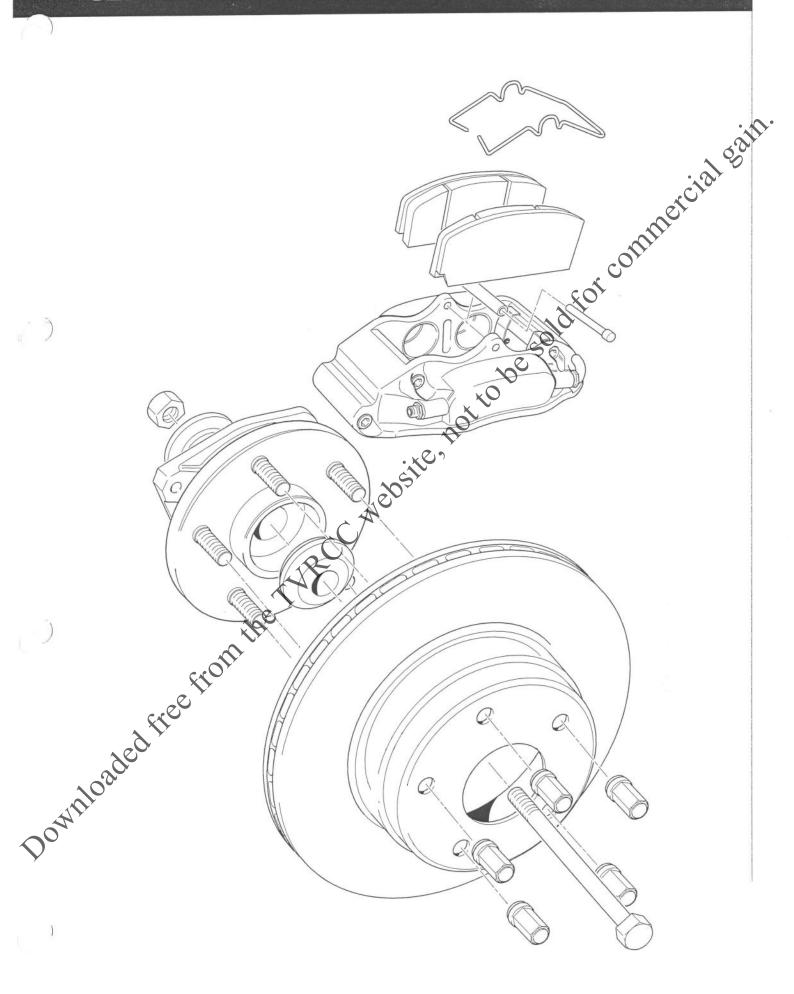
Service/Workshop Manual Front Brake Calliper

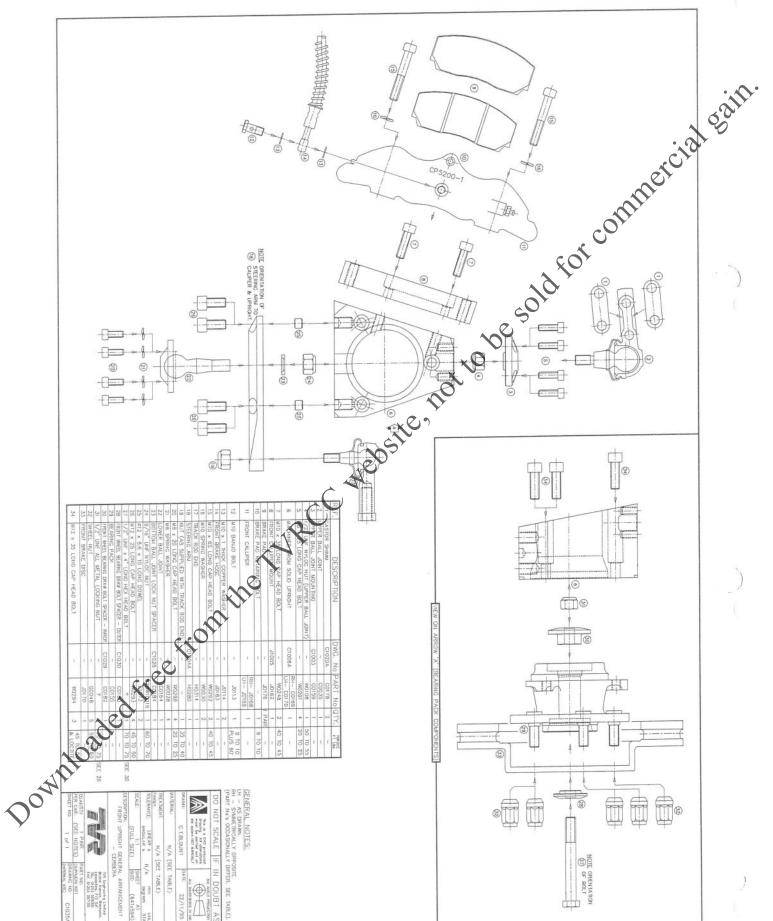


Service/Workshop Manual - Front Brake Calliper

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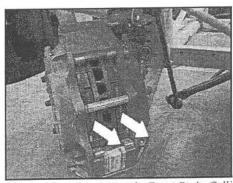
Remove the calliper clip and then remove the pad securing bolt. Note the orientation of the anti-rattle clip and remove it.





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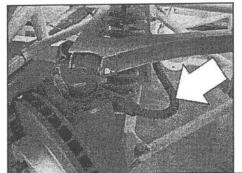
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Service/Workshop Manual - Front Brake Calliper

The pads can then be slid out of the calliper.

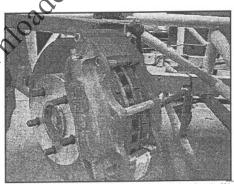
Next a pipe clamp must be fixed to the flexible section of the brake piping. This is to stop the brake fluid from spilling out. N.B. It is nevitable that some fluid will be lost at the brake will have to be b'



Service/Workshop Manual - Front Brake Calliper

Service/Workshop Edural - Front Brake Calliper

CC Website not Remove the banjo bolt and copper washer which secures the brake hose to the calliper.



Service/Workshop Manual - Front Brake Calliper

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To replace the calliper, which must always be done in pairs, reverse the outlined procedure. See section C and bleed the braking system. Then refit road wheels ane tighten to correct torque. Road test the vehicle.







Brake Disc - Removal/Replacement Procedure

Service/Workshop Manual - Front Brake Disc

Jack up the front of the car and lower onto axle stands.



Service/Workshop Manual - Front Brake Disc



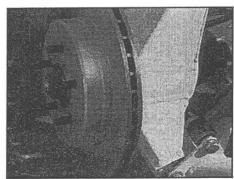
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Remo.

No. washers that secure the caliper to the upright and move the caliper to one side.

Once this has been done the brake disc can be slid of the brake hub.

Service/Workshop Manual - Front Brake Disc

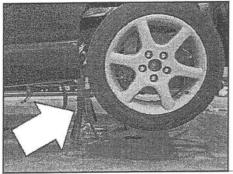


To replace a brake disc reverse the outlined

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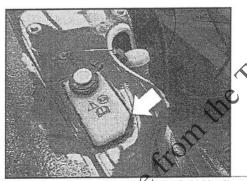
Service/Workshop Manual - Brake fluid bleeding



Service/Workshop Manual - Brake fluid bleeding

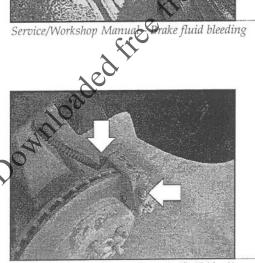
Next remove all the wheels.

Remove Be



Remove reservior cap and top-up. Be careful not to spill fluid onto paintwork. Spilt fluid needs to be washed away with water other wise paintwork damage will occur.

N.B. - An assistant will be required to keep the fluid reservoir topped up and pump the brake pedal.



Service/Workshop Manual - Brake fluid bleeding

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Starting with the furthest caliper away from the fluid reservoir i.e. N/S rear, loosen the brake bleeding nipple located on the outside of the caliper.

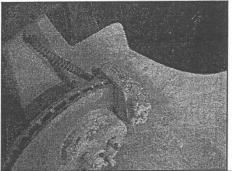
N.B. If the system is completely empty, it maybe necessary to start at the caliper nearest to the master cylinder. i.e. O/S front.

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Service/Workshop Manual - Brake fluid bleeding

Using a tube on the bleed nipple and a container in which to collect the used fluid, pump the brake pedal until no more air appears from the



Service/Workshop Manual - Brake fluid bleeding

At this point, re-tighten the outer bleed nipple.

Move on to the adjacent hipple on the inside of the caliper and repeat the operation. Move on to the adjacent hipple on the caliper and repeat the operation.

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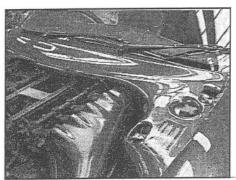


When one caliper is bleed, move onto the next. If having bled all the calipers the brake pedal still feels unsatisfactory, repeat the process again.





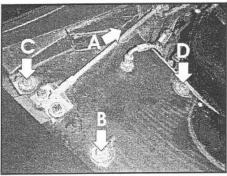




Service/Workshop Manual - Pedal Box

The pedal box is secured to the body in two areas. One in the engine bay and the other in the inner wheel arch.

To gain access to the bolts which secure the pedal box to the engine bay remove the scoop panel by removing the 2 x M6 allen bolts.



Service/Workshop Manual - Pedal Box

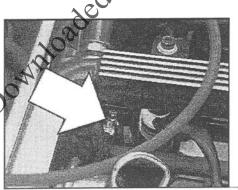
The pedal box is secured to the top of the engine bay by four bolts. However the fourth bolt is hidden by the wipe motor assembily. This bolt is accessible by removing the grommet -(A)

N.B. At this stage only bolts A,B, should be removed and bolts C,D, should be left to hold the box in position until the next stage has been completed.



Service/Workshop Manual Opedal Box

Then disconnect the brake piping from the aluminium union inside the drivers footwell.



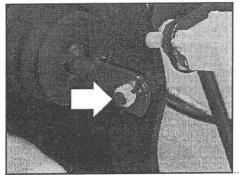
Service/Workshop Manual - Pedal Box

Undo the Jubilee clip which secures the vacuum pipe to the N/S inlet manifold.

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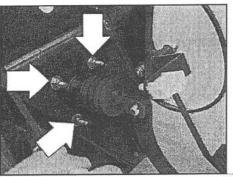
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Service/Workshop Manual - Brake Master Cylinder

Then undo the split pin and clevis pin which connects the servo to the brake pedal.



Service/Workshop Manual - Brake Master Cylinder

If the servo needs to be replaced remove the 4 x M 8 nuts with washers that secure it to the pedal box.



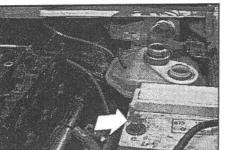
RCC Website not to be The master cylinder can then be removed from the pedal box assembly and replaced. To replace a new brake master cylinder reverse the outlined procedure.



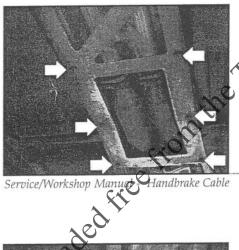




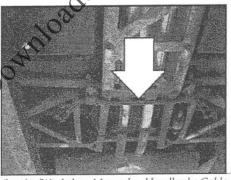
Service/Workshop Manual - Handbrake Cable



Service/Workshop Manual - Handbrake Cable



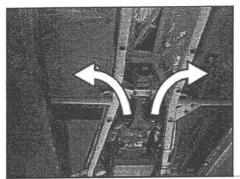
strengthing plate in place.



Service/Workshop Manual - Handbrake Cable

4

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



Service/Workshop Manual - Handbrake Cable

Split the exhaust system at the manifold to cats. and remove the whole exhaust system.

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

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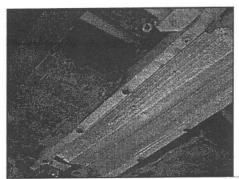
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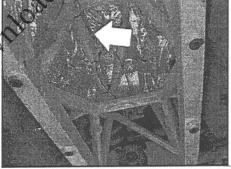
Service/Workshop Manual - Handbrake Cable

Service/Workshop Manual - Handbrake Cable

To remove the short front section of the cable slacken off the M8 locking nuts and unhook the cable from the chassis clip.

spilt pin, which secures the cable to the handbrake lever needs to be removed. To

release the front part of the cable from the gear



Service/Workshop Manual - Handbrake Cable



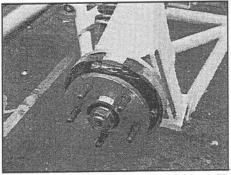


Service/Workshop Manual - Handbrake Cable

To remove the larger rear section of the cable the rear wheels need to be removed as well as the brake discs and calipers (described in their

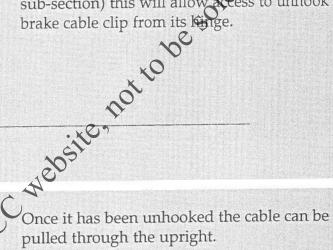
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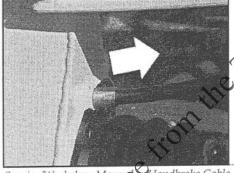
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Service/Workshop Manual - Handbrake Cable

Next remove the brake shoes, as described in sub-section) this will allow access to unhook the brake cable clip from its kinge.







Service/Workshop Manual - Handbrake Cable

The refitting procedure is the reversal of the outlined procedure.

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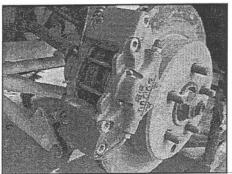






Service/Workshop Manual - Handbrake shoes

To gain access to the rear suspension assembly, remove the rear wheels.

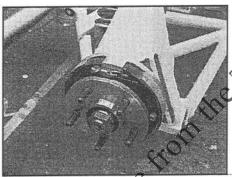


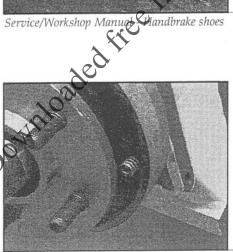
Service/Workshop Manual - Handbrake shoes

Unbolt the 2 x M8 allen bolts and spring washers that secure the caliper to the pright assembly and move to the side.

Website, not to be

Slide the brake disc from the hub.





Service/Workshop Manual - Handbrake shoes

The brake shoes are now visible and can be removed by inserting an allen key into the spring and turning.

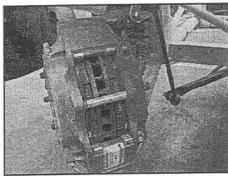
N.B. The orientation of the shoes should be

To replace the brake shoes reverse outlined procedure.

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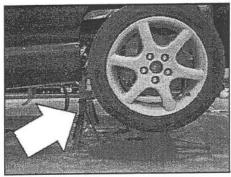




Service/Workshop Manual - Brake Pads

N.B. - When renewing brake pads it is essential that both left and right hand brake pads are replaced as uneven braking may occur if only

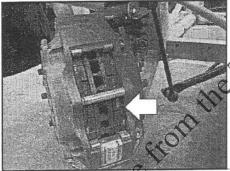
Jack up the front of the car and lower onto axle stands and remove the road wheel.



Service/Workshop Manual - Brake Pads

stands and remove the road wheel.

Remove the spring clip which secures the pad in position.



Service/Workshop Manua Brake Pads



Service/Workshop Manual - Brake Pads

Unbolt the brake pad securing bolt.

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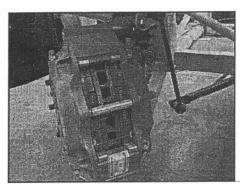


Service/Workshop Manual - Brake Pads

Finally slide brake pads out of caliper

To refit pads reverse outlined procedure.

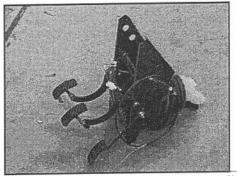
N.B. New pads will come with anti-squeel packing. Ensure to clean the piston sealliper, and peak off the adhest efore insert back into the



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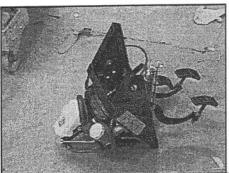






Service/Workshop Manual - Brake Master Cylinder

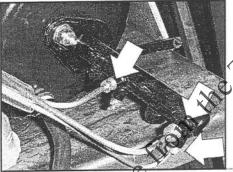
To replace the master cylinder the pedal box assembly has to be removed .- as described in its relevant sub-section.



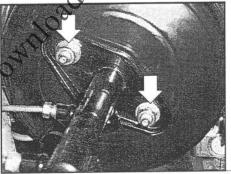
Service/Workshop Manual - Brake Master Cylinder

Once the assembly has been removed any work that is need can be completed on a work bench. Once the assembly has been removed any work that is need can be completed on a work bench.

To remove the brake master cylinder, first disconnect and remove the brake pipes. Noting their positions.

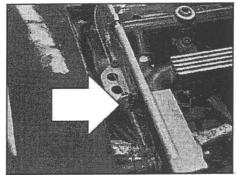


Service/Workshop Manua Brake Master Cylinder



Service/Workshop Manual - Brake Master Cylinder

Undo and remove the 2 x M10 nyloc nuts securing the master cylinder to the servo. The master cylinder can then be removed.



Service/Workshop Manual - Pedal Box

Undo the throttle cable at the throttle cable

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Service/Workshop Manual - Pedal Box

Service/Workshop Mariaal - Pedal Box

Remove seal from around brake fluid reservoir.

6

No.

No. box at the bottom. Once these two bolts have been removed then the two upper securing bolts (which where left in position from the stage 2) can be removed.

> Once this has be done then the pedal box assembly can be removed remembering to push the throttle cable and vacuum pipe through the access hole for the clutch reservoir.

To replace a pedal box assembily reverse the out lined procedure.



Service/Workshop Manual - Pedal Box