



*Chimaera*

**Owners Handbook**

Thank you for purchasing your Chimera, we trust that you will enjoy it. The car has been designed and built to be safe, rewarding to drive and have a long life.

We assume that new customers of TVR have previously owned high performance cars; however we feel that a few words of caution are necessary.

Always be aware of your speed, the high torque to weight ratio of the Chimera endows the car with unusually effective in gear performance. This, on early acquaintance, can lead to the approaching of obstacles at higher speeds than imagined. Similarly, the levels of grip are so high that when the tyres do lose adhesion the cornering speeds will be very high requiring unusually quick reactions and set.

NB. For all cars fitted with wide low profile tyres, there is a much greater difference between the amount of adhesion on dry roads than on a wet or slippery surface compared with normal cars.

In summary we suggest that you observe the old racing adage, "skw in, quick out".

Please drive safely and have fun.

**Peter Wheeler**  
Chairman

### **The Owners Handbook**

This handbook is designed to help you understand and enjoy the TVR Chimera by providing detailed information on controls, equipment and general car care.

If there are any queries, or if more information is required please contact your dealer.

TVR do not accept any responsibility for any inaccuracies, errors or omissions contained within this Handbook, although every effort has been taken to make it as complete and accurate as possible.

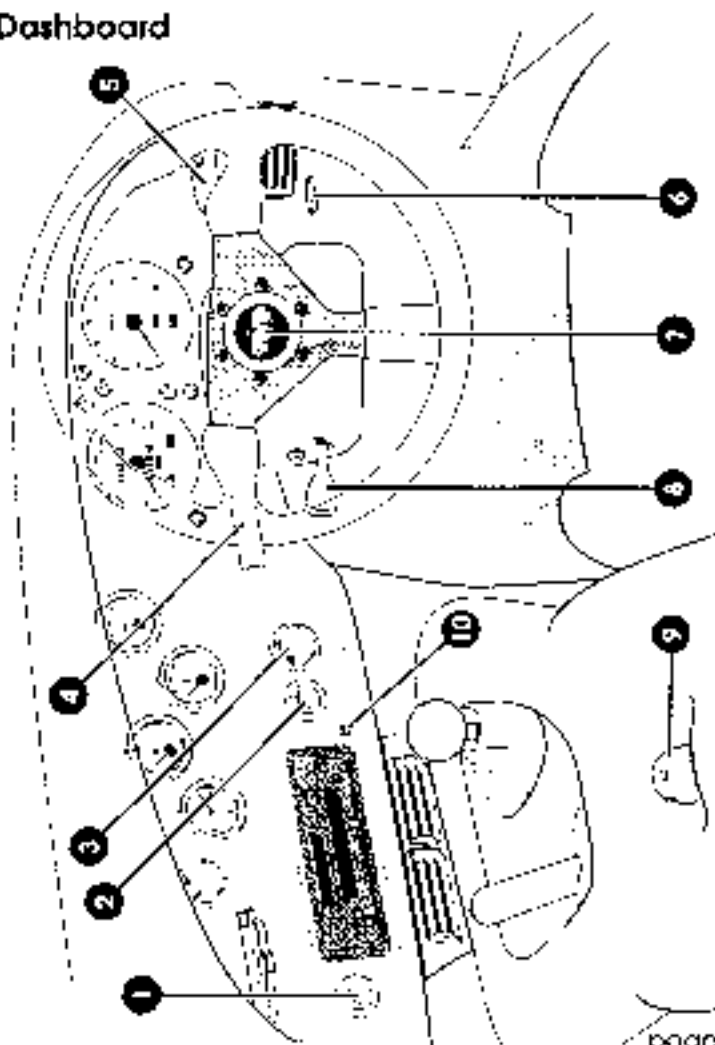
TVR do not accept any liability for any consequential or other losses howsoever arising as a result of any of the recommendations contained within this handbook.

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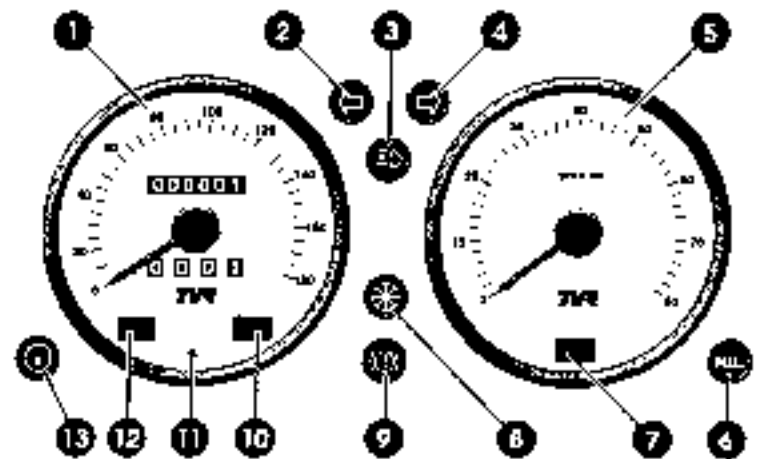
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## Dashboard



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**Warning lights**



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**Warning and telltale lights**

**Left turn indicator light (green)**



flashes simultaneously with the left hand indicator

**Right turn indicator light (green)**



flashes simultaneously with the right hand indicator

**High beam headlights** - Illuminates when the headlights are on high beam or when the headlight flash is operated



**Ice detector** - Upon switching on the ignition, the ice detector will go through a series of checks. The light will briefly illuminate green, orange, then red and then extinguish.



While driving the light operates as follows

**green** - air temperature is 4°C - 2°C

**orange** - air temperature is 2°C - 0°C

**red** - air temperature is 0°C or less

**Please note:** This device is intended to offer the driver an indication of current road and weather conditions in order that the driver can modify their driving style appropriately. It should not, however, be regarded as a definitive guide to current road conditions. TWR Engineering Limited do not accept any liability for any consequential or other losses however arising as a result of the driver relying solely or in part upon information given by this device.

#### Brake system warning light



Illuminates with the handbrake to check the circuit, if it comes on without the handbrake, the brake fluid level is too low

#### Inertia switch warning light



The light will illuminate if the inertia switch has been tripped. This will happen in the case of an accident. If it requires resetting consult your dealer.

#### Engine management warning light



there is a problem with the fuel injection or emission system

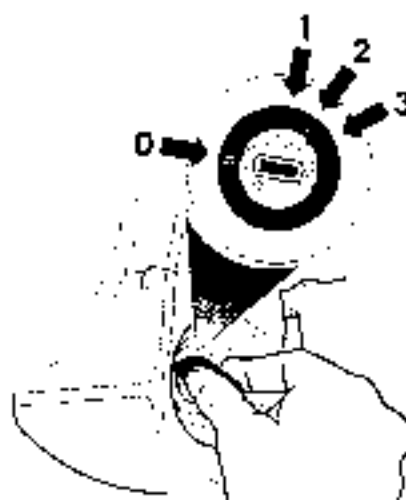
**Ignition warning light** - goes out when the engine is started, if the light remains on or comes on while driving switch off the engine and consult your dealer



**Oil pressure warning light** - goes out when the engine is started. If the light remains on or comes on while driving switch off the engine immediately and consult your dealer. Considerable damage could result if the car is driven with the light on.



## Ignition and steering lock



The ignition key switch has four distinct clockwise positions:

- Position 0** The steering is set to lock upon removal of key.
- Position 1** The steering lock is released but the ignition remains off.
- Position 2** Ignition and all electrical circuits are on.
- Position 3** Starter motor is engaged and engine will start.

**Starting the engine**

- 1 Apply the handbrake and insert the ignition key into the steering column ignition lock.
- 2 Depress the clutch pedal. Put the gear lever into neutral.
- 3 Turn the key to position 1 to release the steering lock. (move the steering wheel slightly if necessary)
- 4 Turn the key to position 2 to activate electrical circuits. (The fuel pump will be heard pressurising the fuel system.)
- 5 Turn the key to position 3 to engage the starter motor. The engine will start (minimum use of the throttle pedal may be needed during the engine start sequence.)
- 6 If engine fails to start, return the key to position 1 and repeat steps 4 and 5.

**Important** - where necessary only short repeated engine cranking periods should be used, as long cranking periods cause unnecessary wear to the starter motor and causes unburnt fuel to be deposited into the catalyst/exhaust system.



**Horn**

Press the centre of the steering wheel to sound the horn. The horn works independently of the light on being switched on.

**Running in**

The purpose of running in is to allow the new engine components to bed in correctly. To gain maximum performance, service life and general reliability, the best policy to adopt during the run in period is to avoid high engine rpm, large throttle openings, and most importantly, not allowing the engine to labour in a high gear.

**Recommended rpm during the running in period**

Starting the engine from cold 0-1000 miles, rpm should not exceed 2500 rpm until the engine is warm.

0-250 miles max rpm should not exceed 3500 rpm whilst the engine is hot.

250-2000 miles, rpm should be gradually increased until full power and max rpm for the vehicle is achieved.

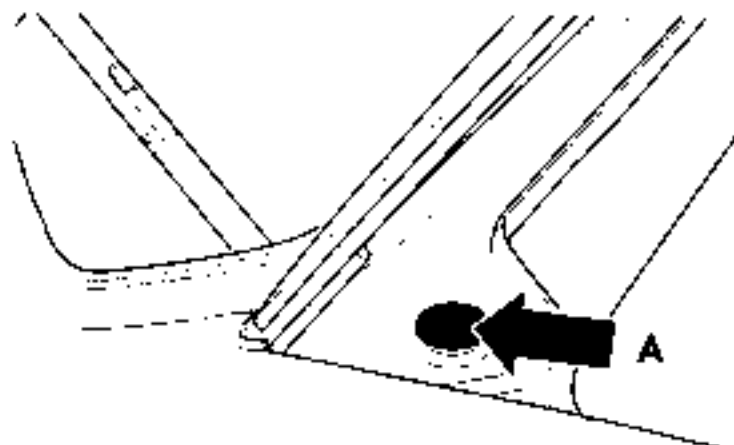
**Tyres**

To obtain the maximum performance from the tyres during the 0-500 mile period, it is advisable to avoid excessive braking and cornering whenever possible.

**Brakes**

To bed the brake pads in correctly, avoid excessive braking during the first 500 miles, unless required to do so in an emergency.

## Refuelling



The fuel filler cap is located in the boot, next to the left boot hinge. Unscrew the cap by turning anti-clockwise.

**Please note** Any petrol spill onto the paint work should be washed off immediately to prevent staining. The TVR Chimaera is designed to run exclusively on unleaded fuel and is fitted with a narrow fuel filler neck, making it compatible only for unleaded fuel pumps or petrol stations.

**Fuel type required**

Unleaded only, see the label next to the filler cap.

**Tyre Pressures**

**Check the tyre pressures regularly**

Bridgestone SC2 tyres

Front 205/55 ZR16 22 lbs sq/in

(Chimaera 500 with P.A.S. 225/50)

Rear 225/50 ZR15 21 lbs sq/in

For high speed continental driving or when fully loaded with luggage

Front 25 lbs sq/in

Rear 28 lbs sq/in

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**Keys**

There are no door keys with your Chimera, see the next section on the alarm.

**Alarm system****Alarm & Locking**

The Alarm System installed in your vehicle has been designed to provide optimum protection at all times. The System uses a Contact key and a Rolling Code Radio key which never uses the same code twice and is therefore code grabber proof. The alarm and the immobiliser systems of the car are linked but run on different circuits to prevent total alarm/immobiliser failure.

**Operation of the alarm system**

8 seconds after the ignition is switched off the immobiliser will always arm (even if you do not exit the vehicle) but the alarm will not arm. If you wish to drive the vehicle then simply press the button on the radiokey for less than two seconds or insert contact key, to switch off the immobiliser.

**Locking & Using your Radiokey**

Exit the vehicle, press the button on the radiokey once for two seconds, and release. Your car will acknowledge the signal by flashing its hazards lights four times and activating the central door locking and immobiliser. Your alarm is now armed but will take an additional 30 seconds is required for the motion detector to stabilise and become active. A red warning light mounted in the lower veneer panel will begin to flash to act as a visual deterrent.

**Unlocking & Disarming the alarm**

As you approach the vehicle, press the button on the radiokey. The vehicle will acknowledge the signal by flashing its hazard warning lights once and unlocking the doors. Once unlocked, to gain entry to the vehicle, press the exterior door release button located under the door mirror. **Please note:** If you do not turn the ignition on within 15 seconds of disarming the alarm, the immobiliser will become active. Should entry to the vehicle not be possible due to a system malfunction, access can be gained by pulling the emergency door release lever.

This lever is located in the boot on the top of the drivers side wheel arch. Pull the rod lever towards you to release the drivers door.

**Electronic contact key operation**

Should you need to disarm the immobiliser without the use of the radio key, this can be achieved by using one of the small contact keys provided. On entering the vehicle, the contact key should be inserted into the override key receptacle mounted next to the ignition key on the column shroud. The small LED will be flashing to show the vehicle is immobilised. On insertion and removal of the contact key, the LED will be extinguished. The vehicle can now be started.

**System diagnostics**

The alarm system is capable of indicating whether the alarm has been triggered in your absence. The LED mounted at the centre of the dash will flash in one of the following sequences to indicate which circuit triggered the alarm:-

- |                        |                           |
|------------------------|---------------------------|
| 1. Internal sensor     | 1 flash every 6 seconds   |
| 2. Door trigger        | 2 flashes every 6 seconds |
| 3. Bonnet/Boot trigger | 4 flashes every 6 seconds |
| 4. Ignition alarm      | 8 flashes every 6 seconds |

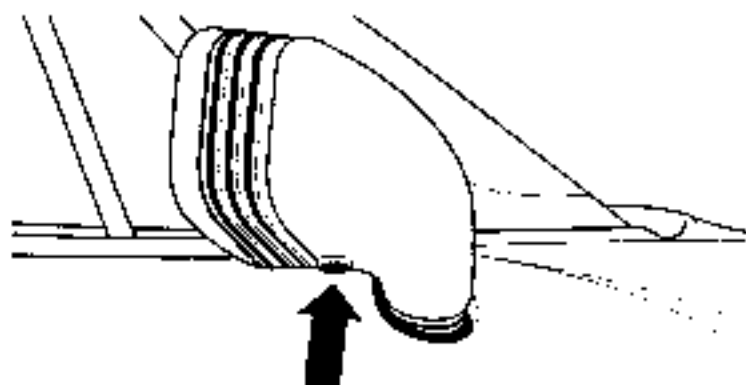
When multiple alarms have been triggered for various reasons, the codes that identify them are indicated in sequence.

**Electronic contact key**

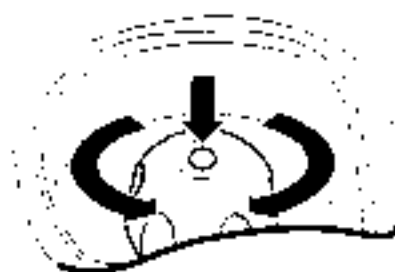
Should you need to disarm the immobiliser without the use of the radio key, this can be achieved by using one of the small contact keys supplied. On entering the vehicle, the contact key should be inserted into override key receptacle mounted adjacent to the ignition switch. The small LED will be flashing to show the vehicle is immobilised. On insertion and removal of the contact key, the LED will be extinguished. The vehicle can be started. The alarm will sound for 30 seconds. The facility is for use in emergency situations only. Contact your nearest dealer for full alarm service.

**Doors**

Opening the doors from the outside



Press the button underneath the door mirror. The door will pop open slightly.

**Interior door release and interior door locking**

Located on the transmission tunnel behind the gear knob. Turn the knob clockwise to open the driver's door and anti-clockwise to open the passenger door. **Warning.** Take care in high winds as the door will pop open slightly.

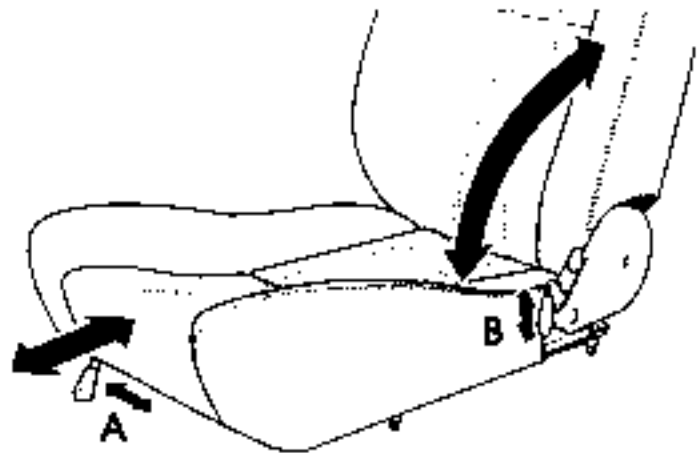
To lock the doors from the inside, press the button on the top of the knob. The button will illuminate (providing the ignition is on) when the doors are locked. The doors will unlock automatically when the knob is turned to open the doors.

*This is a peace of mind feature regarding personal security.*

## Seats

### Moving forward/back

Move the lever (A) located beneath the seat and slide the seat to the correct position making sure that the locking mechanism has engaged.



### Seat Reclining Control

To adjust the angle of the backrest, lift the lever (B) located on the outer edge of the seat by the pivot point. Tilt the backrest to the required angle. Release the lever and ensure that the locking mechanism has engaged.

### Lumbar Support (where fitted)

To adjust the lumbar support, squeeze the pump located on the inner edge of the seat, until the required support is obtained. To reduce the amount of support press the button located on the pump.

### Head restraints

To adjust the height of the head restraints, pull the restraint up or down to the required position (the centre of the headrest should be approximately level with the eye line).

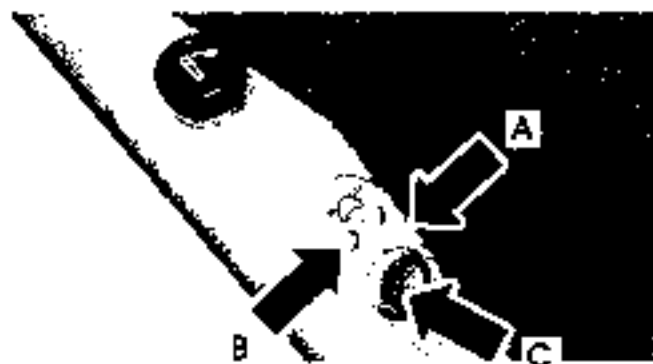
**Please note.** It is important that the head restraints are adjusted for individual drivers and passengers to offer full restraint in the event of an accident. Failure to do so could result in injury from the slightest accident.

## Steering wheel position



Located on the left hand side of the steering column. Pull the lever towards you to release the column and adjust to the required position. Release the lever to secure the column. **Warning** It is not recommended to adjust the steering wheel angle while you are driving.

## Mirrors



Situated on the drivers side armrest. (A) To adjust the mirror position, first select the mirror to be adjusted by pushing either of the two small buttons (B). Switch to the left button to adjust the left hand side door mirror or to the right button to adjust the right hand side door mirror. Swivel the central button (C) to move the mirror until the required position is achieved.

The mirrors are heated on an automatic time delay when the engine is started.



**Seat Belts**

Ensure that the seat belt is not obstructed in any way when fitting. When fastening make sure the catch clicks in.

When releasing the belt press the red button on the catch, the belt may need to be guided back to assist the reel, make sure the belt is fully retracted before leaving the vehicle.

Clean the seat belt webbing using soapy water. Do not use solvents or abrasives to clean the webbing.

**Light switches****Side lights and dipped headlights**

Turn the switch clockwise one click to operate the side lights and instrument illumination. Turn the switch clockwise a second click to operate the headlights.

To switch off reverse the procedure.

The lights work with the ignition on or off.

**Instrument lighting**

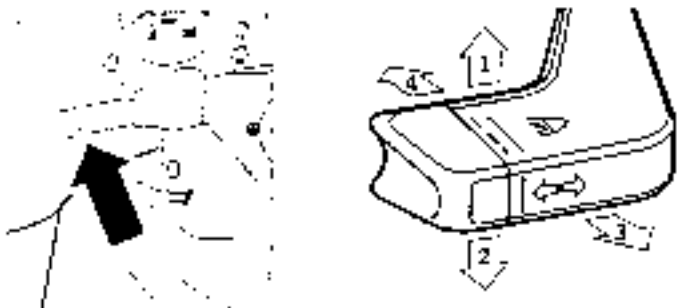
May be turned off by pressing the switch under the dash to the left of the steering column.

## Rear fog light switch



The rear fog light will only work when the dipped headlights are on, the switch surround illuminates amber when the fog light is in use.

## Turn indicator, headlight flash and full beam stalk



- Position 1 Right hand turn indicator
- Position 2 Left hand turn indicator.
- Position 3. Main beam flash. Operates only when the ignition is on.
- Position 4 Main beam. Operates only when the headlamps are on.

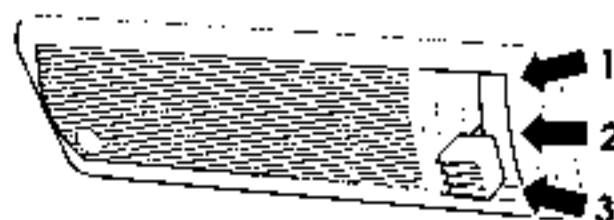
if the indicator warning light flashes more frequently than normal a bulb has blown.

**Hazard warning lights**



Should the vehicle become immobile or present a hazard to other road users, all turn indicators may be operated in unison as a hazard warning. Depress the button to activate the hazard warning lights. Depress the button once again to deactivate the hazard warning lights. The switch surround will illuminate red and flash while the lights are operating.

**Interior light**



The interior light is located in the centre of the rear header rail.

**Position 1** permanently on

**Position 2** permanently off

**Position 3** will illuminate when either of the doors are open. After closing the doors the light will remain lit for approximately 20 seconds or until the ignition is switched on.

## Wiper and washer stalk



- Position 1. Intermittent wipe
- Position 2. Normal wiper speed
- Position 3. Fast wiper speed.
- Position 4. Screen wash and wipe. The wipers will operate, along with the washers, for a few seconds and then stop automatically

## Intermittent wipe speed



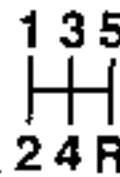
Turn the knob to increase or decrease the time between wipes

## Handbrake

**To apply**, pull the handle upwards while depressing the button at the end of the lever. Release the button at the end of the lever's travel. When the lever is in this position the rear brakes are on, and the warning light will illuminate

**To release**, press the button and lower the lever to its lowest position.

**Gear lever**



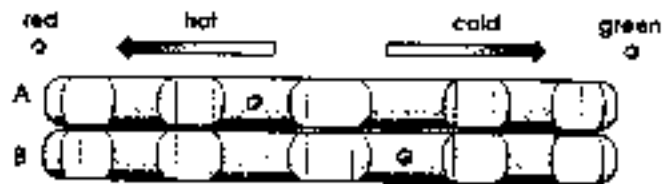
The gear lever's natural position in neutral is between 3rd and 4th (marked by the dot)

To engage reverse gear, pull the lever across to the right, and then back to the right hand corner. The reversing light will illuminate providing the ignition is on.

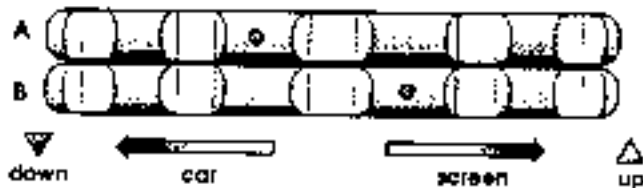
Only engage reverse whilst the car is stationary

**Heating and ventilation**

**Heater dials**



**Top (A)-temperature control**-to set the temperature to hot rotate to the left, for cold rotate to the right. Intermediate settings are available in between. The air can be boosted by the fan.



**Bottom(B)-direction control**-To demist the screen rotate the control to the right, for the footwells and vents rotate the control to the left. Intermediate settings are available in between. The air can be boosted by the fan.

## Fan



The fan operates by pushing the switch in. For low speed operation turn the fan switch anti-clockwise, for high speed operation clockwise. To turn the fan off press the switch again. N.B. The fan will only operate whilst the ignition is on.

## Positions of vents

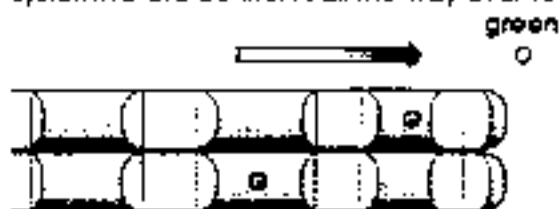


All vents can supply both hot or cold air from the heater and can be boosted by the fan. Each vent is directional and can be opened or closed independently. The vents marked **A** are not visible but are of the type shown below.

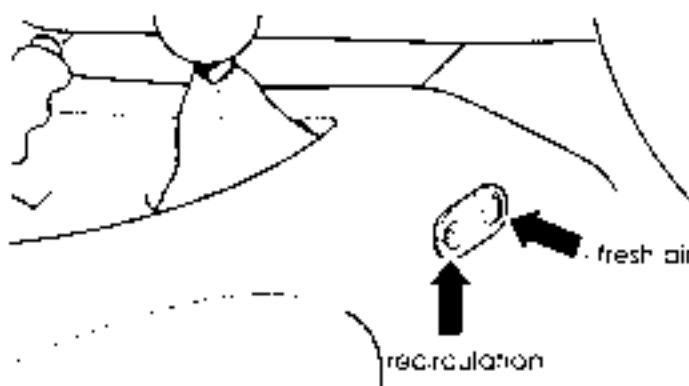


**Air conditioning (where fitted)**

The air conditioning system supplies cooled and dehumidified, fresh or recirculated air to the interior of the vehicle. The volume of conditioned air supplied is controlled by the fan. To activate the air conditioning system, rotate control A all the way over to the right.



This will then actuate a microswitch which will turn the air conditioning unit on.

**Air recirculation**

For fresh air circulation press the forward section of the switch, for internal air recirculation press the rear section of the switch. Intermediate settings are available between the two positions.

**Please note:** The air conditioning system operation is more effective when the roof panel is in position, the windows are closed and the air circulation switch is set for full internal air recirculation.

**To maintain efficient operation of the system, it should be used at least once every week, summer or winter.**

## Speedometer



indicates the vehicles speed in both miles per hour (Mph) and kilometers per hour (kph). The vehicles total mileage is recorded on the odometer.

The trip recorder measures up to 999.9 miles. to reset to 0 press the black button at the bottom of the speedometer.

## Rev. counter



indicates the engine revolutions per minute (RPM) of the vehicle. Each figure indicated on the gauge should be multiplied by 100 to give a true figure. Maximum RPM should not exceed 3000 when the engine is cold or running in.

## Oil pressure gauge





Once the engine has been started, the gauge may take a few seconds before a stable reading is displayed. The engine oil pressure should not fall below 10 pounds per square inch. Should the gauge fail to register or there is an appreciable difference in normal working pressure, switch off the engine immediately. Considerable damage could result if action is not taken to rectify the fault.

#### Fuel gauge



Indicates the approximate fuel contents within the fuel tank. Please note that there is no reserve tank facility.

#### Water temperature gauge



Indicates the temperature of the engine coolant at all times when the ignition is on. The normal working temperature should register approximately 90° on the gauge. Should the gauge register to the far right and remain in that position, stop the car immediately and switch off the engine.

#### **WARNING**

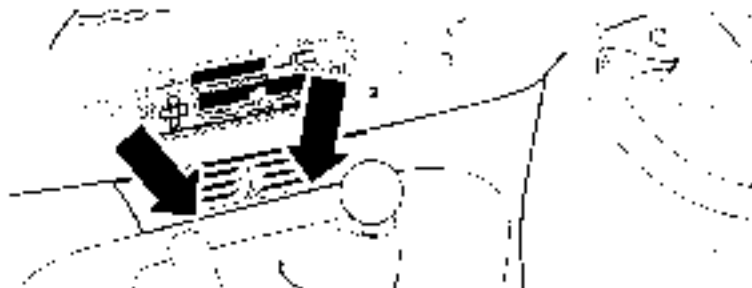
Do not remove the water cap when the engine is hot.

## Clock



To reset the clock press the button and hold until the required time is displayed.

## Window switches



To lower the side window press the forward half of the switch, maintaining the pressure until the desired window height is achieved. To raise the window press the upper half of the switch.



## Cigar lighter

Located on the drivers side armrest. To operate press the button in the centre and release. The button will eject back to its original position when ready for use (approximately ten seconds).

**Bonnet release**

Pull the lever to release the bonnet catch. Lift the rear edge of the bonnet up and forwards. Pull the bonnet stay out of its clip and locate the socket on the ball joint. To lower the bonnet, pull the socket away from the ball joint and return it to its clip. Lower the bonnet down pressing smartly on the rear edge in front of the windscreen wiper pivot point, to locate it on its latch.

**Boot release**

Press the switch (which is not visible but under the dash) to release the boot from its catch.

To close the boot, lower the lid onto the catch and press firmly down on the boot at the rear.

The boot release only operates when the ignition is switched on. **Please note.** Do not slam the boot lid onto the catch.

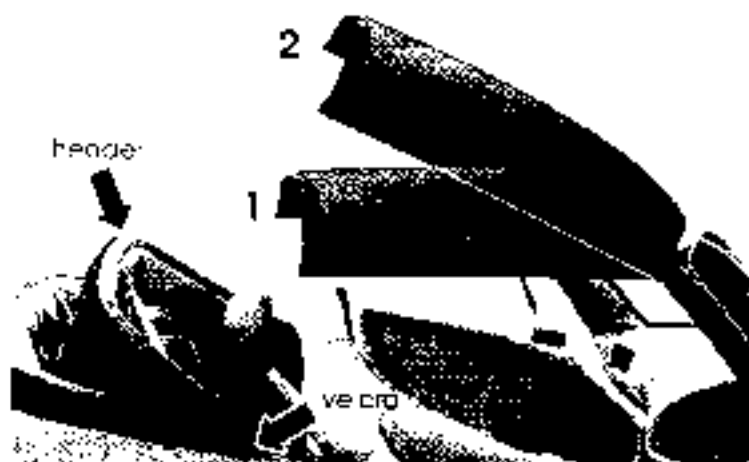
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**Hood remove and replace**

The instructions for hood removal and erection are designed for single handed use. However, when possible these operations are made easier if assistance is available.

**Removal**

Open both doors, release the tension on both over centre stays (located inside the car between the header rail and rear parcel shelf). Less force is required if the stay is held near the centre and pulled forwards. Collapse the rear header, the roof panel will support itself. (position 1)



Holding the roof panel at the side and rear lift the panel up (position 2) and pull back from the windscreen frame. Place the hood panel in its protective cover and store in the boot.

Finally, after releasing the velcro fastening, lower the header down fully.

**Please note** If the rear header rail is to be left in the collapsed position for a long period, ensure the rear window is not unduly creased.

The vehicle can be driven with the header either fully collapsed or locked in the targa position.

**Hood storage**

To place the panel in the boot hold it vertically with the windscreen edge up and the roof material facing rear. Place the left hand side into the boot, push over to the left and then lower the right hand side in.

**Hood replacement**

With the header fully collapsed, open both doors and offer the hood panel up to the windscreen frame ensuring that the panel locates on the central peg. (position 2). Lower the hood panel into position 1, it will support itself. Raise the rear header locating the rear edge of the roof panel into the recessed section.

Finally push the over centre strays into position. Less force is required if they are pushed as close to the centre as possible. **Please note.** The weather seals inside the car at the base of the rear header should be placed overlapping the door frame.

To gain maximum protection against the elements, smooth the roof material downwards at the base of the rear header onto the velcro strip, where the material meets the body.

**Windscreen washer reservoir**

Refill with a mixture of clean water and windscreen washer fluid

**Brake fluid**

Check that the fluid level is up to the MAX line on the reservoir. Only top up with Mobil Universal Brake and Clutch Fluid SAE J1703

**Clutch fluid**

Located under the cover which is fastened by four screws. Check that the fluid level is up to the MAX line on the reservoir. Only top up with Mobil Universal Brake and Clutch Fluid SAE J1703

**Power steering fluid (where fitted)**

Remove the reservoir cap/dipstick. Check the fluid level is between the top mark on the dipstick and the bottom of the dipstick. Only top up with Mobil ATF 220.

**Engine oil dipstick**

The oil should always be checked on level ground with the engine switched off. Pull the dipstick out and wipe clean to ensure a true reading. Reinsert the dipstick and pull it out. The level of oil should read between the min and max marks on the dipstick. **Please note.** Over filling may cause oil wastage. Running the engine with an oil level below the minimum mark could result in considerable damage being caused.



**Engine oil filler cap**


To remove, unscrew the cap in an anti-clockwise direction and top up with TVR recommended oil if required.

**Engine oil specification**

(up to 1000 miles)

Mobil 1 5W/30 mineral 5 litres

(up to 6000 miles)

Mobil 15W/40 mineral 5 litres

(after 6000 miles)

Mobil 1 SAE 5W/50 synthetic 5 litres

**Used engine oil**

Prolonged or repeated contact may cause serious skin disorders. Avoid excessive contact, and wash thoroughly after contact.

**Environment protection**

It is illegal to pollute drains, water courses or soil. Use authorised waste disposal facilities to dispose of used engine oil. If in doubt, contact your local authority for advice.

**Please note.** Under no circumstances should mineral and synthetic oils be mixed. Ensure that the same oil specification is used when topping up.

**It is recommended to always have oil changes performed by your TVR dealer.**

## Cooling system



The cooling system has an aluminium header tank, which has a brass screw on the top, and an aluminium expansion tank with a blue pressure cap which is situated at the front right of the engine bay.

After any work involving replacement of the coolant, check all hoses and caps are secure and turn the heater control to the full hot position.

Fill the cooling system from the header tank with a mixture of 50% Glycol antifreeze and water.

Remove the bleed plug from the top right hand corner of the radiator and allow the coolant to escape until no bubbles are present. This should take between 15 - 30 seconds to complete, and it's worth gently tapping the top of the radiator to dislodge small air bubbles. Replace the bleed plug whilst an assistant is topping up the coolant in the header tank. If the level in the header tank falls below the top of the outlet to the top hose, air will be drawn into the radiator and the whole process must be repeated.

Fill the header tank to the top. Half fill the expansion tank and fit the brass screw to the header tank and the blue pressure cap to the expansion tank. Start the engine and run it until the cooling fans cut in. Ensure that they cut out again. Check that the heater is blowing hot air. Turn off the heater and check that the air starts to become cooler. Stop engine, allow to cool and check water level.

**Please note. Do not remove the radiator bleed screw, the brass screw or blue pressure cap whilst the engine is running, in an attempt to bleed air from the system. This will usually draw air into the system.**

**Battery**

Located at the bottom of the passenger footwell behind the kick panel.

**Starting with a flat battery**

If your vehicle has a flat battery, it can be started with the assistance of a second battery. To jump start the vehicle -

- 1 Switch off all unnecessary electrical loads.
- 2 Connect one end of the jump lead to the positive (+) terminal on the booster battery and the other end to the positive terminal on the flat battery.
- 3 Connect one end of the other lead to the negative terminal on the booster battery and the other end to the negative terminal on the flat battery. **Please note** Ensure that one lead does not touch the clamp on the other lead when connecting to the terminals.
- 4 Start the engine in the vehicle which has the booster battery, allow it to run for a few minutes.
- 5 Start the engine in the vehicle with the flat battery. If it starts and runs smoothly, carefully disconnect the jump leads in reverse order.

**Towing the vehicle**

Towing eyes are provided on the front of the vehicle for tow rope attachment. When the vehicle is being towed, the ignition switch should be switched on (steering lock released and ignition warning light illuminated). The indicators, horn and brake lights will also be operational. Assistance from the brake servo will be lost after the first two or three applications of the foot brake, this will increase the force required to depress the brake pedal.

**Changing a wheel****Jacking**

The jack and wheelbrace are located in the boot within a protective cover. **Warning:** Do not attempt to jack up the vehicle if it is on uneven or soft ground. Do not attempt to work under the vehicle if it is supported only by the jack, always use axle stands.

**Spare wheel**

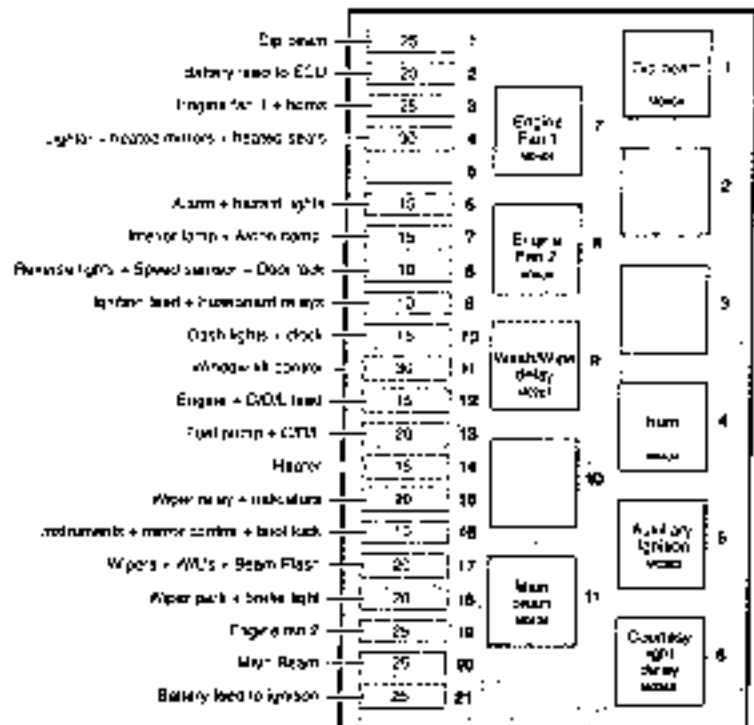
The narrow section space saver spare wheel is supplied as standard and is located in the boot, and is for temporary use only. When fitted, the vehicle must not be driven at speeds in excess of 50 mph (80 kph). In addition to the speed restriction, the vehicle must not be subjected to fast cornering, force acceleration or heavy braking, unless it is necessary to do so in an emergency. If the tread depth is less than the legal requirement or the tyre is damaged in any way, it must be replaced. If the temporary spare wheel is used on the front of the vehicle, there may be a tendency under braking for the vehicle to pull to the side that the spare wheel is fitted. TVR recommend that the original wheel and tyre be repaired as soon as possible and refitted to the vehicle thus prolonging the life of the spare wheel. Only one spare wheel should be used at any one time.

Before attempting to change a road wheel, first copy the handbrake and place the vehicle in 1st or reverse gear. If the vehicle needs to be jacked up whilst on a slope, ensure that the two opposite wheels are securely chocked.

1. Place the jack beneath one of the chassis tubes and raise until the jack is tight against the tube. **Please note.** The jack should only be placed under one of the chassis tubes and not under any part of the floor pan.
2. Remove the nut cover plate where fitted. (The key is located in the jack bag in the boot.)
3. Loosen the four wheel nuts.
4. Raise the jack until the appropriate wheel is off the ground.
5. Remove the wheel nuts and take away the wheel.
6. Replace the wheel with the spare and reverse the removal procedures.
7. Re-tighten the wheel nuts when the vehicle is lowered to the ground. As soon as it is practical check the wheel nuts with a torque wrench, the correct torque is 74 lbs/in. The above procedures also apply if a full size wheel is fitted as an optional extra.
8. Replace the wheel nut cover, (where fitted).

### Fuse and relay panel

The fuse and relay panel is located on the passenger side bulkhead beneath the dashboard. To gain access pull away the footwell kick panel.



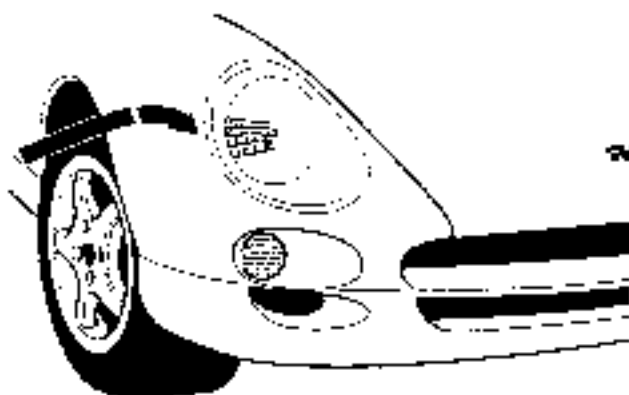
### Bulb replacement

**Please note.** Before attempting to replace any faulty bulbs on the vehicle, the ignition should be switched off.

#### Interior light

##### 5 watt bulb

Insert a screwdriver behind the lens of the interior light, position a rag behind the screwdriver to safeguard against marking the trim surround. Lever the unit out to reveal the bulb. Replace the bulb place the assembly back into the aperture and push back into position.

**Sidelight and headlight**

sidelight - 5 watt bulb

headlight - 55 / 65 watt bulb

Remove the access panel located in the front wheelarch. Remove the rubber boot on the back of the headlamp unit. Unhook the spring clip and remove the bulb. Replace the bulb and refit the clip, rubber boot and access panel.

**Indicator - front**

21 watt bulb

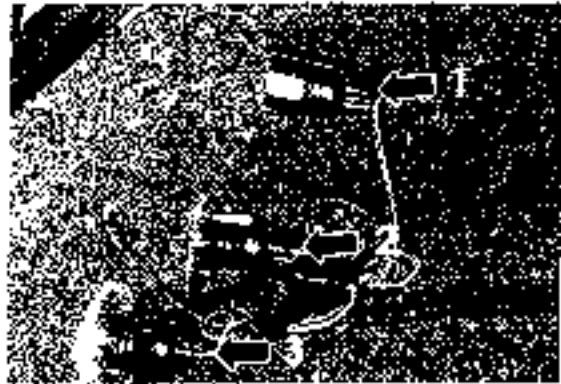
Remove the access panel located in the front wheelarch. Reach through the access hole to the rear of the indicator assembly. Unscrew the indicator housing. Change the bulb and refit the housing.

**Indicator - side markers**

5 watt capless bulb

Press the rear of the unit from the wing slightly (be careful not to mark the paintwork) to expose a small spring clip, press the spring in and remove the unit. Replace the bulb and refit the indicator putting the front edge in first.

## Rear light cluster



1 rear light / brake light	5 / 21 watt bulb
2 indicator	21 watt bulb
3 (passenger side) reversing light*	21 watt bulb
3 (driver side) fog light	21 watt bulb

Press the tab levers and open the back of the unit, this gives access to all the bulbs. Replace the faulty bulb and close the back of the unit until it "snaps" shut.

**Rear number plate lights**

5 watt bulbs

There are 2 number plate lights located above the number plate. Undo the 2 screws and remove the lights. Replace the faulty bulb.

**Cleaning****Exterior***By Hand.*

The bodywork can be washed using a mild detergent or specialist car shampoo. A low pressure hose pipe should be used to rinse the vehicle. Specialist cleaners should not be used when cleaning the road wheels.

*Using a power wash*

Power washing the bodywork is quite acceptable. However, do not spray the high pressure jet directly at the paintwork, or the roof/door seals. Do not power wash the door release button or the engine bay.

*Automatic car wash*

The use of automatic car washes is not recommended as the roof/door seals are not designed to withstand the direct force of high pressure water jets. Also the detergents used and the cleaning action of the brushes may damage the paintwork.

**Interior***Vinyl/Leather*

Vinyl and leather should be cleaned with a damp cloth. However, a fine mild detergent or proprietary upholstery cleaner may be required to remove ingrained marks. Leather upholstery will benefit from a periodical application of Hide Food.

*Carpets*

Carpets should be cleaned regularly with a vacuum cleaner to remove dust and dirt. Mild detergents and warm water may be required to remove any difficult marks or stains.

**De-icing**

Any approved de-icing fluid may be used on the rear window without causing damage to the plastic surface.

**Please note** Make sure no de-icer gets on to the roof material. Do not scrape ice off the rear window, as this will almost certainly cause surface scratching.



**Checks and servicing**

## Recommended Weekly Checks

- 1 All exterior lights.
- 2 Oil level.
- 3 Coolant level.
- 4 Brake fluid level.
- 5 Clutch fluid level.
- 6 Power steering fluid.
- 7 Windscreen washer bottle.
- 8 Tyre pressure.
- 9 Spare tyre pressure.
- 10 Visual check for any fluid leaks.

If for any reason the vehicle is grounded or an object strikes the chassis from below, it is advisable to visually inspect the chassis for signs of damage. If there is damage, the vehicle should be taken to your local dealer for a thorough inspection.

**Service intervals**

The following are recommended service intervals for the vehicle.

- 1000 miles
- 6000 miles
- 12000 miles
- 18000 miles
- 24000 miles
- 30000 miles

and every 6000 miles thereafter or every twelve months, whichever ever is reached first.

**Please note** All service work should be carried out either at the TVR Factory Service Department, or by a Factory approved service centre. A comprehensive list of service requirements is located within the Service Schedule Section. For further information contact your local dealer.

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**CATALYTIC EXHAUST SYSTEMS**

In conjunction with a highly efficient engine management system designed to work with exhaust catalysts and a fuel tank vapour recovery canister, the catalytic exhaust system is designed to reduce emissions of exhaust gas pollutants and fuel vapour to a level well below the strictest European and Scandinavian legal limits. To maintain the effectiveness of the emission control system the following points should be observed -

1) **NEVER USE LEADED PETROL**, even in an emergency. The emission system will only function correctly on unleaded fuel. Using 4 star or other grades of fuel containing lead will damage the vehicles catalytic converters and exhaust gas oxygen sensors. Replacement of these components is expensive. TVR recommend that your Chimera is run on **98 (RON) octane (super green) unleaded fuel**.

2) Do not allow the car to run out of fuel. An irregular fuel supply, caused by a near empty tank, can cause engine misfires which may damage the catalytic converters.

3) Ensure that the car is regularly serviced by a TVR Dealer or Approved Service Centre. All TVR Dealers have special diagnostic equipment necessary to check for the correct operation of the emission system.

4) Avoid all situations whereby unburnt or partially burnt fuel is allowed to enter the exhaust system. For instance, avoid unnecessarily long engine cranking periods, never run the engine with a sparking plug cap disconnected, and do not allow the car to coast in gear with the ignition switched off. It is inadvisable to push or tow start the vehicle, especially if the catalysts are hot. If the engine will not start because the battery is flat, use a pair of jump leads and a slave battery. If the engine misfires or seems to lack normal performance it is recommended that you drive, at low engine speeds, to the nearest TVR dealer.

5) Take care when parking the vehicle. The catalytic converters and exhaust system can radiate a considerable

amount of heat. The vehicle should not be parked over combustible materials, such as dry grass, leaves or paper.

b) Sealant or other materials should not be applied to the catalytic converters.

 **BRAKE AND CLUTCH**

Certain brake and clutch components may contain asbestos based material. Precautions must be taken when servicing these components. Avoid any skin contact or inhalation of the dust. Servicing of these components should be carried out by qualified personnel only.

 **FUEL PUMP SHUT - OFF INERTIA SWITCH**

Located above the passenger footwell behind the glove pocket, in the event of an accident the power to the fuel pump is cut off, thereby stopping the supply of fuel to the engine. If the switch has been actuated, the button on top of the switch will be in a raised position, and the inertia warning light will illuminate for approximately three seconds each time the ignition is switched on.

Should the Inertia Switch require resetting please contact your dealer.

**Oils and lubricants****Engine** (after 6000 miles)

Mobil 1 SAE 5W/50 synthetic 5 litres

**Gearbox**

Mobil ATF 220 1.4 litres

**Differential**

Mobil SHC 80W 140 ID 1.6 litres

**Cooling System**

Mobil Universal Antifreeze 12 litres

**Brakes and Clutch**

Mobil Universal Brake and Clutch Fluid SAF 1/03

**Wheel Bearings** (and other grease points)

Mobiltemp Grease SHC 100

**C.V. Joints**

Mobil Grease Special NLGI 2

**Power Steering** (where fitted)

Mobil ATF 220

**Please note.** To use and recommend Mobil products. Failure to use these products could affect vehicle performance and reliability and may also invalidate the warranty.

**Bodyshell**

Two seat two door convertible manufactured in glass reinforced polyester resin. Laminated sunyam windscreen with frameless electrically operated door windows. One piece removable roof panel with folding rear header roll.

**Interior**

Individually reclining seats trimmed in leather with adjustable head restraints. Full Hide interior trim is available as an option. Walnut veneered dashboard with comprehensive instrumentation including speedometer, tachometer, oil pressure, water temperature and fuel gauge together with a voltmeter and electric clock. Electrically operated boat release.

**Chassis**

Jig formed multi tubular steel frame chassis, phosphated and powder coated for corrosion resistance.

**Suspension**

*Front,*

Unequal length wishbones, coil springs, telescopic shock absorbers and a forward running anti-roll bar

*Rear,*

unequal length wishbones, coil springs, telescopic shock absorbers. Constant velocity sliding drive shafts from centrally mounted differential. Rear anti-roll bar

**Braking**

260 mm diameter ventilated front disc brakes with 275 mm diameter rear discs. Servo assisted with front/rear split dual circuits.

**Steering**

**Unassisted** rack and pinion, adjustable column, 2.5 turns lock to lock, 350 mm leather covered steering wheel.

**Power assisted** 2.2 turns lock to lock.

**Wheels and tyres**

**Front** 15" x 7J aluminium alloy wheels fitted with Bridgestone S02 - 205/55 ZR low profile tyres. (Chimera 500 with P.A.S. 225/50)

**Rear** 16" x 7.5J aluminium alloy wheels fitted with Bridgestone S02 - 225/50 ZR low profile tyres.

**Recommended tyre pressures**

Front 22 lbs sq/in

Rear 24 lbs sq/in

For high speed continental driving or when fully loaded with luggage

Front 25 lbs sq/in

Rear 28 lbs sq/in

**Transmission**

5 speed manual gearbox with hydraulically operated clutch

Gear ratios:-

1st	2.95:1
2nd	1.94:1
3rd	1.34:1
4th	1.00:1
5th	0.73:1

Limited slip differential 3.45:1

**Engine 4.0**

90 degree alloy V8 engine

Capacity (cc)	3950
Bore/stroke (mm)	94 x 71
Compression Ratio	10.0:1
Max rpm	6250
Max power	240 bhp @ 5600 rpm
Max torque	270 ft.lbs @ 4000 rpm
0 to 60 mph	5.1 secs
0 to 100 mph	12.6 secs
Maximum speed	152 mph

**Engine 4.5**

90 degree alloy V8 engine

Capacity (cc)	4558
Bore/stroke (mm)	94 x 82
Compression Ratio	9.5:1
Max rpm	6250
Max power	285 bhp @ 5500 rpm
Max torque	310 ft.lbs @ 4500 rpm
0 to 60 mph	4.7 secs
0 to 100 mph	11.2 secs
Maximum speed	160 mph

<b>Engine 5.0 H.C.</b>	
90 degree alloy V8 engine	
Capacity (cc)	4988
Bore/stroke (mm)	94 x 90
Compression ratio	10.2:1
Max rpm	6000
Max power	340 bhp @ 5500 rpm
Max torque	350 ft.lbs @ 4000 rpm
Standing 1/4 Mile	12.2 secs
0 to 60 mph	4.1 secs
0 to 100 mph	10.2 secs
Power/weight ratio	307 bhp/ton
Maximum speed	167 mph
<b>Fuel system</b>	
Electronic fuel injection	

**WARNING.** This vehicle must not run on leaded fuel.

#### Dimensions

Length overall .....	4015 mm
Wheelbase .....	2282 mm
Width overall (no mirrors) .....	1865 mm
Height overall .....	1215 mm
Front track .....	1460 mm
Rear track .....	1460 mm
Ground clearance .....	132 mm
Fuel capacity .....	57 litres, 12.7 gallons
Weight .....	1060 kg



The TVR has been built by TVR Engineering Limited, to the best of their ability, within the present scope of the car known to specialist car manufacturers. This warranty is given in addition to and shall not affect the purchaser's statutory rights as a consumer.

TVR Engineering Limited (hereafter known as the Company) warrants each motor car and each replacement part to be free from defects in material and workmanship, under normal use and service, and subject to the terms and conditions stated in this limited warranty, for the applicable Warranty Period set forth in paragraph 1(a).

**1.(a) General Warranty Coverage**

The Company warrants each new motor car to be free of defects in material and workmanship for a period of 12 months after delivery of the motor vehicle to the original owner. If any part or parts of a TVR car should prove defective within this prescribed period, and if such part or parts are submitted within 14 days to an authorised TVR distributor or dealer, the Company will cause such part or parts to be examined within a reasonable time and in the event of a fault due to defective workmanship or material being found the defective part or parts will be repaired or replaced without charge for the parts or labour involved in their replacement.

**1.(b) Body Warranty Coverage. One (1) year.**

The Company warrants the body shell, paint, exterior and interior trim, seats and upholstery and battery of each new motor car to be free from defects in material and workmanship for a period of one (1) year after delivery of the motor car to the original owner.

**1.(c) Replacement Parts Coverage.**

Parts, assemblies and components which are replaced under this warranty are warranted to be free from defects in materials and workmanship for 180 days from the date of replacement, or until the expiration of the period in which the general or body warranty remains in effect, whichever occurs last.

**2. Extent of Company Obligations.**

The obligations of the Company under this warranty are limited to the repair or, at its option, the replacement of a new or re-manufactured unit, without charge for labour or parts, of any part or assembly or component determined to be defective in material or workmanship during the applicable warranty period. All defective replacement parts become the property of the Company upon removal. All service under this warranty must be performed by an authorised TVR dealer, importer or distributor at his place of business, unless prior authorisation is obtained from the Company. Persons dealing in the Company's vehicles or spare parts are not authorised to bind the company in any way or to assume any obligation.

whether expressed or implied on behalf of the Company nor to give any warranty or guarantee nor make any representation on behalf of the Company.

### **3. Exclusion from Warranty Cover.**

**(a) Proprietary Equipment.** The only warranties given for radio receivers, tape players and tyres are written warranties which are issued by the suppliers of such equipment.

**(b) Maintenance, Service, Wear & Tear.**

The obligation of the Company does not extend to maintenance services such as tune ups, cleaning of coolant, fuel and hydraulic systems, wheel balancing and alignment, and other service adjustment, nor to the repair or replacement of service items such as lubricants, fluids, spark plugs, wiper blades, filters, belts, coolant hoses, clutches, brake pads, nor to the deterioration of the paintwork, upholstery or any damage occasioned as a result of an accident or as a result of the negligent use of the vehicle howsoever occasioned or any part, assembly or component as a consequence of normal wear and tear or exposure to the elements.

**(c) Motor Racing, Alteration & Hire.**

The obligation and warranties of the Company do not extend to vehicles used for motor racing or competition of any nature or to vehicles or parts which have been altered after leaving the Company's factory, or which have been let out on hire, or from which identification numbers or marks have been altered or removed.

**(d) Consequential & Incidental Loss or Damage.**

This warranty neither covers nor extends to any consequential damage or expense including, but not limited to, inconvenience, hotel or restaurant expenses, towing or parking fees, car rentals, nor the loss of time or use of the motor car.

### **4. Limitations of Warranties**

This warranty limits the duration of all implied warranties, including the implied warranties of merchantability and fitness for a particular purpose, to the time periods set forth in sub paragraphs 1(a), 1(b) and 1(c). The warranty shall not be transferred to anyone unless the Company's consent in writing has first been obtained upon receipt of the change of ownership card located at the rear of this warranty.

### **5. Obligations of the Owner as to proper Care and Usage.**

The Company has no obligations under this warranty in the following circumstances:-

(d) if the essential maintenance services identified in the service coupon booklet and the maintenance instructions described in the owner's handbook are not performed and followed at the prescribed intervals;

(b) if failure or malfunction of the vehicle or any warranted part, component or assembly results from an accident;

(c) if failure or malfunction is caused by negligence in use of the vehicle;

(d) by performance of service, repair or modification other than in accordance with the recommended servicing and repair procedures of the Company;

(e) if the vehicle is registered or used in the United States of America, Canada, Hawaii, Guam, and the United States Virgin Islands or Outside Continental Europe in countries where different legislation or vehicle safety and environmental emission standards apply so as to render the European specification illegal and invalid;

(f) if the vehicle is modified or added to in any way not previously agreed by the Manufacturer in writing;

(g) if the limits for chassis load, axle load, payload, permissible gross weight or axial pressure are exceeded.

#### **6. Disputes.**

The Company's decision shall be final and binding in respect of any claim or dispute arising out of a defect or alleged defect in any vehicle or part. After the expiration of fourteen days from dispatch of notification of the Company's decision, the part or parts may be scrapped by the Company or returned to the purchaser, in which event transport charges are payable by the purchaser.

#### **7. Return of Warranty Acknowledgment Card.**

The obligations of the Company under this warranty shall not arise unless and until the Company shall receive the warranty Acknowledgment appearing at the end of this warranty, within 28 days from the date of purchase, duly executed by the original owner.

For TVR Engineering Limited:

Peter Wixeler, Chairman

Please keep this booklet in your vehicle: as to avoid unnecessary delay it must be shown to the authorised TVR distributor or dealer at the time the repair is requested.

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