TVR

Griffith

Owners Handbook

TVR Engineering Limited, Bristol Avenue, Blackpool,
Lancashire FY2 0JF. Tel 0253 56151 Fax 0253 57105

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

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

Foreword

Dear Customer,

Thank you for purchasing your Griffith, 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 Griffith 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 skill.

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, "slow in , quick out".

Please drive safely and have fun.

Peter Wheeler - Chairman.

Contents

Introduction

Since 1949, *TVR* have built a reputation for producing powerful sportscars using traditional handcrafted methods, from the initial body construction through to the finished product.

In keeping with this tradition *TVR* have produced the *Griffith*, which combines advances developed from the highly successful *TVR* Tuscan race series and modern hi-tech materials, giving the performance and handling now synonymous with *TVR*.

TVR feel that by combining performance and handling with stunning body design, excellent instrumentation and a comfortable driving position, the true pleasures of a hand built British sports car can be enjoyed to the full.

OWNERS HANDBOOK

The Owners Handbook is designed to help you, the customer, understand and enjoy the *TVR* Griffith, 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.

This section should be completed by the appropriate dealer

Vehicle registration no. J

Model 4.3 LTR

V.I.N. no. SDLDGNV3PS

Engine no. 47A43P

Paint colour. MICA BLUE. *TVR* Code.....

Roof colour. BLUE. *TVR* Code.....

Carpet colour. BLUE. *TVR* Code.....

Trim colour.....*TVR* Code.....

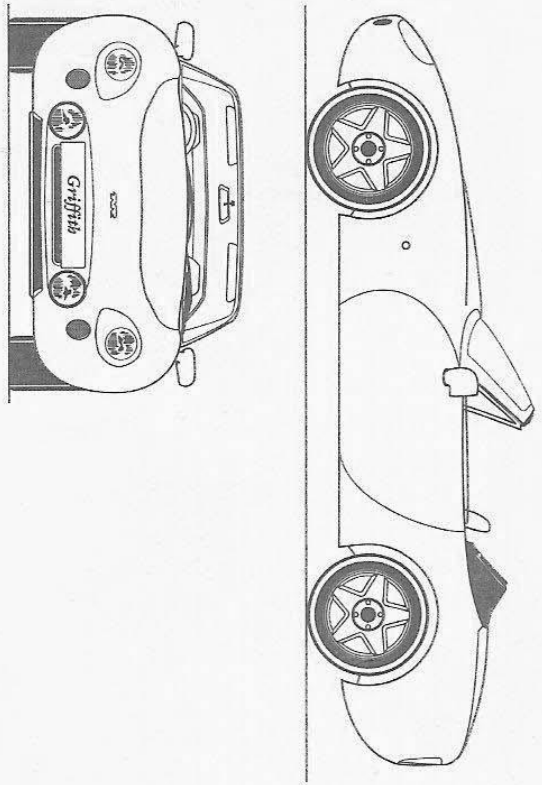
Trim material.....

Decal colour.....

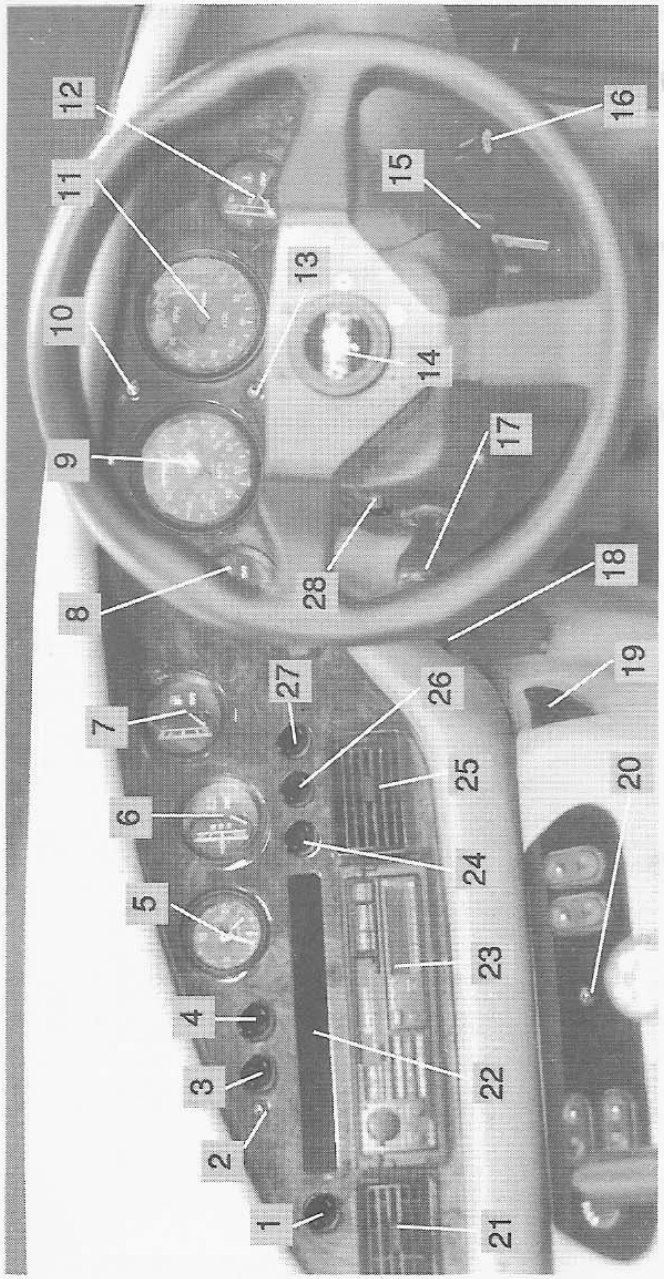
Remote Key fob code no. K01 /

Ignition Key no. Y1

The descriptions and codes listed above are relevant to all *TVR* dealers,and should be quoted in the event of paint or trim rectification.



Overall Length	3965 mm
Overall Width (inc. mirrors)	1943 mm
Overall Height	1185 mm
Wheelbase	2282 mm
Front & Rear Track	1460 mm
Ground Clearance	126 mm
Fuel Tank Capacity	12.7 gals
	57 litres
Vehicle Weight	1060 Kg



Item numbers correspond to the dashboard illustration on Page 6.

1•HAZARD WARNING LIGHT SWITCH
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. To cancel the signal depress the switch and release.

2•DOORS LOCKED WARNING LIGHT
See section on Security System

3•DOOR LOCK SWITCH
See section on Security System

4•BOOT RELEASE
To release the boot lid catch, press the boot release switch to open the boot. To close the boot, lower the lid onto the catch and press firmly down on the boot at the rear. NOTE Do not slam the boot lid onto the catch.

5•CLOCK
To reset the clock depress the central button and adjust to the required time.

6•BATTERY VOLT METER
Indicates the battery operating voltage. The gauge should register approximately 11-13 volts.

7•FUEL GAUGE

Indicates the approximate fuel contents within the fuel tank and reads off in calibrations of 1/4, 1/2, 3/4 and full. Please note that when the gauge registers empty there is no reserve tank facility.

Note See Security section for possible empty readings.

8•OIL PRESSURE GAUGE

Indicates engine oil pressure. 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 from the normal working pressure, switch off the engine immediately. Considerable damage could result if action is not taken to rectify the fault.

9•SPEEDOMETER

The gauge indicates the vehicles speed in both miles per hour (MPH) and kilometres per hour (KPH). The gauge is calibrated in 20mph, 20kph increments. The vehicle mileage is recorded on the odometer.

10•IGNITION WARNING LIGHT

The warning light should extinguish within a few seconds of starting the engine. If the light remains on, switch off the engine, investigate and rectify the fault.

11•TACHOMETER (Rev. counter)

The gauge 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. Max RPM should never exceed 6000.

12•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 into the red section and remain at that position, stop the car immediately, switch off the engine. Investigate and rectify the cause. **WARNING** Do not remove the water cap when the engine is hot.

13•OIL PRESSURE WARNING LIGHT

The warning light should extinguish within a few seconds of starting the engine. If the light remains on or should light while driving stop and switch off the engine immediately and consult your Dealer. Considerable damage could result if action is not taken to rectify the fault.

14•HORN

Press the centre of the steering wheel to sound the Horn. The horn works independent of the ignition being switched on.

15•IGNITION SWITCH, STEERING LOCK

The ignition switch has four key positions marked on the barrel face.

Position 0, The steering is set to lock upon removal of key.

Position I. The steering lock is released but the ignition remains off.

Position II. Ignition and all electrical circuits are switched on.

Position III. Starter motor is engaged, engine will start. Release the key as soon as the engine fires NOTE: If the engine stalls the key must be returned to position I to restart. Do not attempt to return the key to position 0 while the vehicle is in motion.

16•BONNET RELEASE LEVER

The bonnet release lever is located under the dashboard by the driver's door. Slowly pull the lever to release the bonnet catch. Pull the rear edge of the bonnet backwards, raise the front edge of the bonnet and then locate the bonnet stay. To lower the bonnet pull the stay from the hole and return to the clip. Lower the bonnet onto its runners and push the bonnet down at its rear edge. Press smartly down on the bonnet at its rear edge, in front of the right hand windscreen wiper pivot point, to locate on its latch.

17•STEERING COLUMN ADJUSTMENT

Located on left hand side of the steering column. Pull the lever towards you to release the column and adjust to the desired position. Release the lever to secure the column.

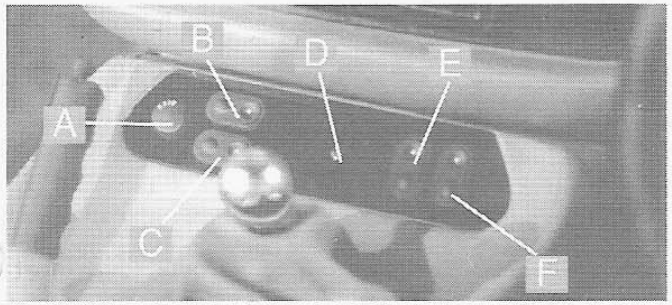
18•PANEL ILLUMINATION SWITCH

Located under the dashboard to the left of the steering column. To illuminate the dashboard instruments. the side / headlights must be on. Press the switch to illuminate the instruments. Depress the switch to turn the instrument lights off.

19•DOOR HANDLE (X2)

Located on either side of the transmission tunnel. To open either door pull the leading edge of the appropriate lever. WARNING Take care in high winds as the door will pop open slightly.

20•CENTRE SWITCH PANEL



DEMIST AND TEMPERATURE CONTROLS

Switch **B** controls the temperature setting. To set the temperature to cold depress the left side of the switch. To set the temperature to hot depress the right hand side of the switch Switch **C** controls the direction of airflow. To set the flow to the screen depress the left hand side of the switch. To set the flow to the footwells depress the right hand side of the switch.

These controls can be boosted by the three speed fan.

A•THREE SPEED FAN

To operate low speed turn the switch clockwise. turn the switch clockwise once again for medium speed operation, and once more clockwise for high speed operation. To stop the fan reverse this procedure.

N.B. The fan will only operate whilst the ignition is on.

D•SECURITY SYSTEM ARMED

See section on Security System

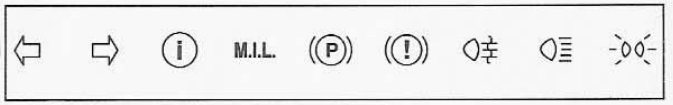
E•F•ELECTRIC WINDOW SWITCHES

Switch E operates the left window and switch F the right window. To lower the side window, press the lower half of the switch, maintain the pressure until the desired window height is achieved. To raise the window press the upper half of the switch.

21•25• VENTS

The vent located at the left hand side of the dashboard and the left centre vent are fresh air vents which can be boosted by the fan. The right centre vent operates with the screen using hot or cold air and can also be boosted by the fan. All three vents have an on/off switch to control air flow.

22•WARNING LIGHT CLUSTER



LEFT INDICATOR WARNING LIGHT (green) Flashes simultaneously with the left indicators.

RIGHT INDICATOR WARNING LIGHT (green) Flashes simultaneously with the right indicators.

INERTIA SWITCH WARNING LIGHT (orange) In the event of an accident the switch is automatically actuated to cut off the power supply to the fuel pump, thereby stopping the supply of fuel to the engine. See page 43.

FUEL INJECTION WARNING LIGHT (MIL) (red) Notifies a malfunction in the electronic fuel injection system or component failure of the emission system. A malfunction of either system will impair vehicle performance. Consult your Dealer as soon as possible if this light illuminates.

HANDBRAKE WARNING LIGHT (red) Illuminates when the handbrake is on.

BRAKE FLUID WARNING LIGHT (red) Brake fluid level low- check fluid level in engine bay. Also illuminates with the handbrake to check circuit.

REAR FOG LAMP WARNING LIGHT (orange) Illuminates when the rear fog lamps are on. With dipped headlights only.

FULL BEAM WARNING LIGHT (blue)
Illuminates when full beam is on.

SIDE LIGHTS/ DIPPED HEADLIGHTS ON (green) Illuminates when side lights/ headlights are on.

23•STEREO RADIO CASSETTE
All the operating details are listed in the radio manufacturers instruction manual.

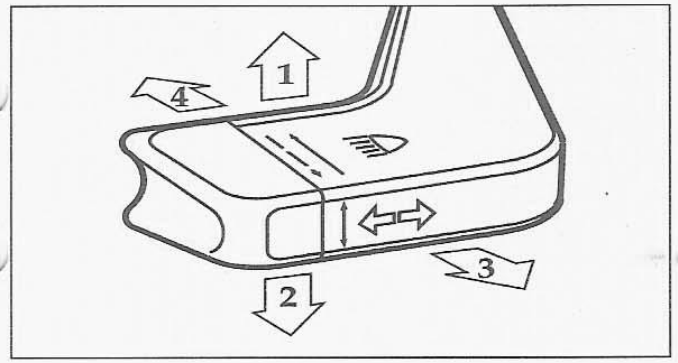
24•REAR FOG LAMP SWITCH
The rear fog lights only work when the dipped headlights are on.

26•DIPPED HEADLIGHTS
Press the switch to operate the head lights. Pressing the switch again will turn the head lights off. (The headlights will only light when the sidelights are on).

27•SIDE LIGHTS
Press the switch to operate the side lights and instrument illumination. Pressing the switch again will turn the lights off. (If the headlights switch is already pressed they will operate on this switch also.)

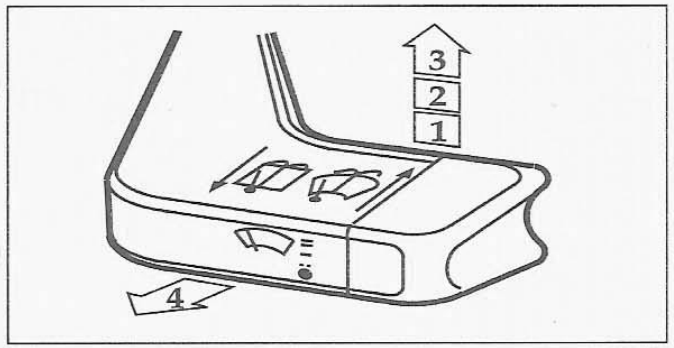
28•INTERMITTENT WIPE SPEED CONTROL
Located on the left hand side of the steering column shroud. To increase or decrease the time between wipes turn the switch.

INDICATOR, FLASH AND FULL BEAM STALK
Located on the left hand side of the steering column.



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 switched on.

WINDSCREEN WIPERS AND WASHERS STALK
Located on the right hand side of the steering column.



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.

GEAR LEVER

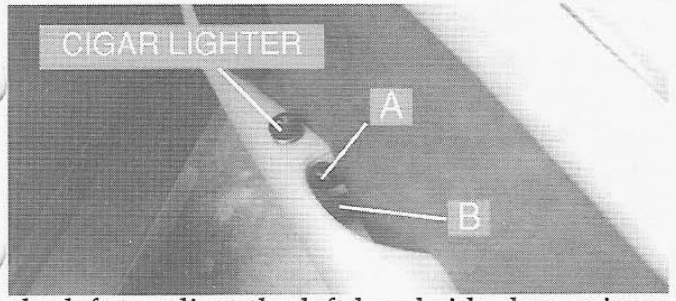
Always select neutral before starting the engine. To engage reverse gear, move the gear lever smartly across to the left, and then push forward to the top left hand corner. Only engage reverse whilst the car is stationary.

HANDBRAKE

To apply the handbrake pull the handle upwards while depressing the button at the end of the lever. Release the button at the end of the levers travel. When the lever is in this position the rear brakes are on. To release, press the button and lower the lever to its lowest position. A warning light on the dash will illuminate when the handbrake is on.

ELECTRIC MIRRORS

Situated on the the drivers side armrest. To adjust the mirror position, first select the mirror to be adjusted with switch **B**. Switch to



the left to adjust the left hand side door mirror or to the right to adjust the right hand side door mirror. The centre position disables the mirror joystick.
Swivel the joy stick **A** until the required mirror position is achieved. Return the mirror select switch to the central position.

CIGAR LIGHTER

Located on the drivers side armrest. To operate, fully depress the button in the centre and release. The button will eject back to its original position when ready for use (approximately ten seconds). Withdraw the complete unit to reveal the element.

INTERIOR LIGHT

The interior light is located in the centre of the rear header rail.
Position 1; Light will remain permanently on.
Position 2; Light will remain permanently off.
Position 3; Light will come on when drivers or passenger door is open. After closing the doors the light will remain lit for a few seconds.
NOTE.The interior light works independently from the ignition.

GLOVE COMPARTMENT

To open the glove compartment gently push the lid upwards to release the latch and then lower until fully open. To close, push the lid home until the latch engages.

ASH TRAY

Located in the top of each door trim. Push the right hand side of the ashtray to revolve and reveal the tray. To close revolve back into position.

SEAT ADJUSTMENT

Seat Slide. To adjust the fore/aft position of the seat, pull the lever located beneath the front of the seat, thus releasing the slider. Slide the seat to the required position. Release the lever and rock the seat to ensure the locking mechanism has engaged.

Seat Reclining Control. To adjust the angle of the backrest, lift the lever 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.

HEAD RESTRAINTS

To adjust the height of the head restraints. Pull the restraint up or push it down to the required position, (centre of headrest approx. level with eye line) 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.

SEAT BELTS

Seat belts must be worn at all times. Steadily bring the belt over the shoulder, down across the chest into the seat belt catch. Ensure the lap section of the seat belt fits snugly across the hips and check that there are no twists in the length of belt used. NOTE. When fitting the seat belt, the car may have to be on level ground before the reel will release the belt.

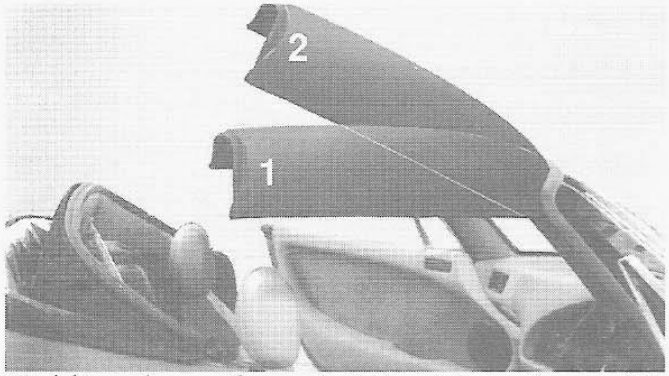
To release the seat belt press the button on the buckle.

WARNING

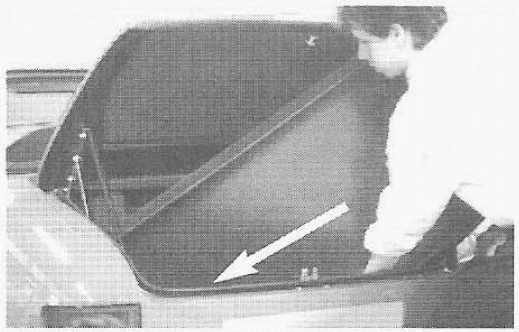
1. Check the belt is not caught or obstructed in any way when fitting.
2. Do not clean the belt material with detergents or solvents.
3. If the vehicle is involved in an accident the seat belt must be replaced.
4. Do not use the seat belt for more than one person.
5. Check for general wear and tear on the belt. If in any doubt contact your local dealer.
6. Ensure the belts have fully retracted before leaving the vehicle.

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 at 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 tilt the panel up *(position 2)* and pull back from the windscreen frame. Place the hood panel in its protective cover and stow away in the boot.



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

Finally,after releasing the velcro fastening at the base of the rear header, lower into the fully collapsed position. 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. NOTE.The vehicle can be driven with the header either fully collapsed or locked in the targa position.

HOOD ERECTION

With the header fully collapsed, open both doors, 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 stays into position. Less force is required if they are pushed as close to the centre as possible.

NOTE. The weather seals 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.

The *TVR Griffith* is fitted with a highly sophisticated security system. The system, which works from a remote key fob, controls the central locking on both doors and immobilises the fuel pump. In addition, if the ignition system is overridden, the fuel gauge will indicate a zero fuel condition.

This security system can easily be uprated to a complete alarm system. This must be an approved *TVR* system and be fitted by your *TVR* dealer.

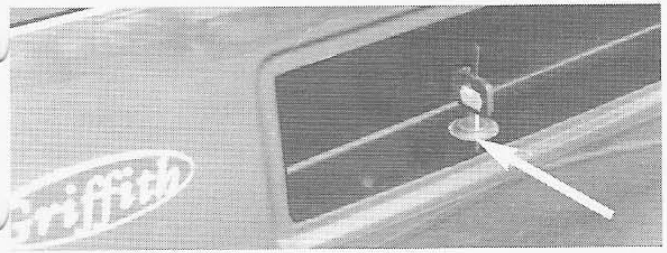
N.B.The fitment of a non - approved *TVR* system will invalidate the Warranty.

UNLOCKING THE CAR

On approaching the car press the button on the remote key fob. This will unlock the doors and mobilise the fuel pump and gauge. When this operation is successful the hazard lights will flash for three (3) one second bursts, and the flashing red warning light on the centre console will extinguish.

N.B. If the hazard lights flash five (5) times this indicates that the vehicle has been tampered with, providing no damage has occurred the system will revert to normal.
Once in the car the remote key fob is rendered useless if the ignition is switched on.
If, after several attempts, the system fails to unlock the doors and mobilise the system, there is an emergency lock located behind the rear number plate.
Having pulled the number plate off its adhesive pads, insert the ignition key and turn

anti-clockwise. This will open the driver's door.



Care should be taken in high winds or on busy main roads as the door is released from its catch.
To lock the doors from inside the car without arming the system, irrespective of whether the ignition is on or off, press the appropriate button on the dashboard. A green warning light, adjacent to the switch, will illuminate (only if the ignition is switched on and both doors have locked successfully).
This is a peace of mind feature regarding personal security on lonely roads at night etc.

LOCKING AND ARMING THE CAR

This operation will only function if the ignition is switched off.
To lock both doors and immobilise the fuel pump and gauge press the button on the remote key fob. If the system is successfully armed the hazard lights will flash once for three seconds. When the system is armed the red flashing warning light will illuminate on the centre console.
N.B. Certain markets will be supplied with a remote key fob that has two buttons. This second button is a panic button. Once pressed, the horn will sound and the hazard lights will flash , thus alerting people to the situation.

All fluid specifications and capacities are listed in the basic data and specification section.

1•WINDSCREEN WASHER RESERVOIR
Refill with a mixture of clean water and windscreen washer fluid.

2•BRAKE FLUID RESERVOIR
Check that the fluid level is up to the MAX line on the reservoir. Only top up with *TVR* recommended fluid, (see page 44).

3•CLUTCH FLUID RESERVOIR
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 *TVR* recommended fluid, (see page 44).

4•COOLING SYSTEM
The cooling system has an aluminium header tank with an integral pressure cap (blue). As there is no separate expansion tank there will always exist an air space within this header tank when the coolant (and engine) are cold.Removing the blue pressure cap should only be done when cold and the coolant level should be no more than two inches below the bottom of the filler neck. It is not necessary to completely fill the tank as upon thermal expansion the excess coolant will be merely expelled through the pressure cap.
If for any reason the cooling system needs the addition of a large quantity of coolant (ie. after draining or major leak) then the system must be carefully bled.With the heater control set to hot, fill the system through the filler neck of the header tank. When full loosen the large nylon plug on the top right of the radiator. Air will be

expelled-tighten the plug when water without air bubbles is expelled. Start the engine and run at idle (1500 rpm) with the blue pressure cap off and keep adding coolant through the header tank filler neck. When the thermostat opens more coolant will need to be added. When no more coolant can be added replace the blue pressure cap. Let the engine run for a few more minutes until the fan cuts in and switch off the engine. Should the temperature gauge enter the red section before the fan cuts in stop and allow to cool. When the engine has cooled and no pressure can be felt in the radiator hoses remove the blue pressure cap and top up to within two inches of the filler neck. The system is now full.
Check the coolant level every week.

5•ENGINE OIL FILLER CAP

To remove, unscrew the cap in an anti clockwise direction and top up with *TVR* recommended oil if required, (see page 44).

6•ENGINE OIL DIPSTICK

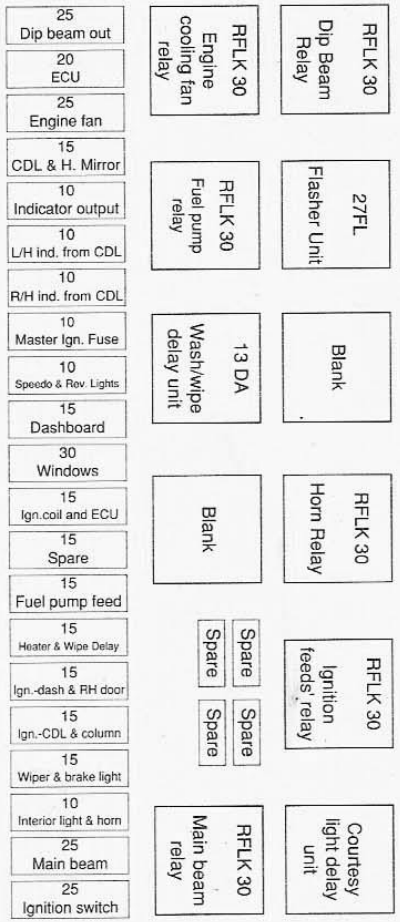
The oil should always be checked on level ground with the engine switched off. Pull the dip stick out and wipe clean to ensure a true reading. Re-insert the dip stick and pull it out. The level of oil should read between the min and max marks on the dipstick. NOTE. Over filling may cause oil wastage.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

BATTERY

Located in the passenger footwell, under a cover which is attached by velcro.

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 trim from the footwell.



BULB REPLACEMENT

N.B. Before attempting to replace any faulty bulbs on the vehicle, the ignition should be switched off.

INTERIOR LIGHT BULB REPLACEMENT

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, (for the correct bulb see page 31), place the assembly back into the aperture and push back into position.

SIDELIGHT, HEADLAMP BULB REPLACEMENT

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, (for the correct bulb see page 31), and refit the clip, rubber boot and access panel.

MAIN BEAM BULB REPLACEMENT

Remove the radiator grill by first removing the fixing screws. Reach through to the rear of the lamp unit and remove the rubber boot. Unhook the spring clip and remove the bulb. Replace the bulb, refit the spring clip, rubber boot and radiator grill.

INDICATOR BULB REPLACEMENT (FRONT)

Nearside. Remove the radiator grill as above. Reach through the access hole to the rear of the indicator assembly. Unscrew the indicator housing. Change the bulb, (for the correct bulb see page 31) and refit the housing and the radiator grill.

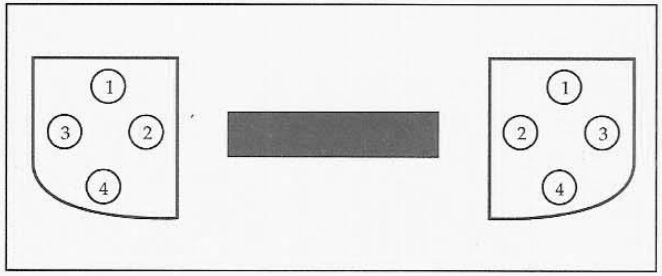
Offside. Remove the access panel located in the front wheelarch. Unbolt the headlamp support bracket and unscrew the indicator housing. Change the bulb, (for the correct bulb see page 31) and refit the housing, headlamp support bracket and access panel.

REAR LIGHT CLUSTER

(Includes indicator, brake light, rear light, reversing light and rear fog light)

Press the tab levers and open the back of the unit,this gives access to all the bulbs. Replace the faulty bulb, (for the correct bulb see page 31) and close the back of the unit until it "snaps" shut.

1. Rear light and rear fog light
2. Reversing light.
3. Indicator
4. Brake light.



REAR NUMBER PLATE AND BOOT LIGHT.

There are two number plate lights located inside the boot. Undo the two screws and remove the bulb holder. Replace the faulty bulb, (for the correct bulb see page 31).

BULB SPECIFICATION TABLE

HEADLAMP	55/60W
SIDELIGHTS (front)	5W
INDICATORS (Front)	21W
SIDE MARKERS	5W Capless
BRAKE LIGHTS	21W
INDICATORS (Rear)	21W
NUMBER PLATE	5W
FOG LIGHTS (Rear)/SIDE LIGHTS (Rear)	21/4W
FOG LIGHTS (Front)	55W Capless
INTERIOR LIGHT	5W
WARNING LIGHTS	2.2W
GAUGE LIGHTS Speedometer/rev-Counter Volt/temp/fuel/oil	5W Capless
INITIAL HEADLAMP BEAM SETTING VEHICLE UNLADEN	1.5%

JACKING

The jack and wheelbrace are located in the boot within a protective cover. CAUTION. 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.

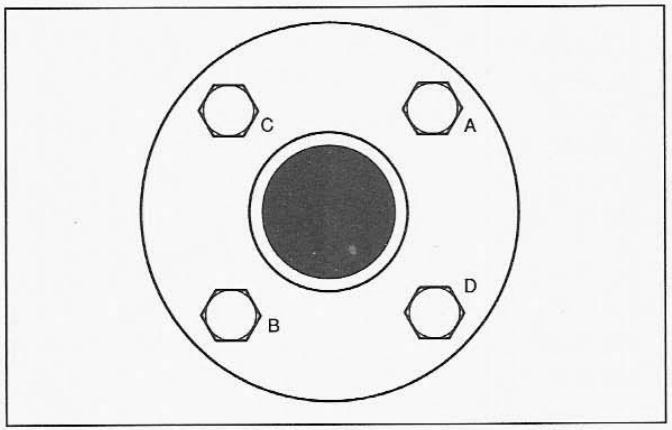
SPARE WHEEL

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, fierce 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.

WHEEL CHANGE

Before attempting to change a road wheel, first apply 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 **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, following the sequence shown. The above procedures also apply if a full size wheel is fitted as an optional extra.
8. Replace the nut cover, (where fitted).

TOWING THE VEHICLE

Towing eyes are provided on the front of the vehicle for tow rope attachment. If the vehicle is being towed, the ignition switch should be in position II (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.

STARTING USING JUMP LEADS

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.

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.

BREAKDOWN COVER

In certain markets the vehicle when bought from new receives a 12 month Full Breakdown Cover policy. The policy is applied for by the factory on behalf of the customer, after being notified by the vending dealer of the customers details. Notification of the policy will be forthcoming, with registration card and full details enclosed. Should you require any further details regarding the cover, contact your dealer.

RUNNING IN

The purpose of running in is to allow the new engine components to bed in correctly whilst operating under light throttle and load conditions.

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

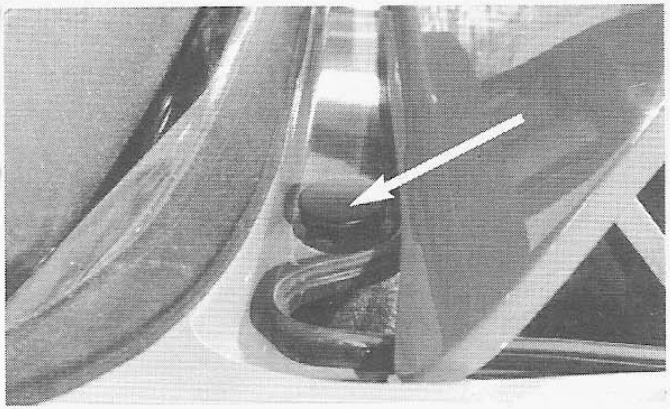
To obtain the maximum performance from the tyres, during the 0 - 500 mile period, it is advisable to avoid excessive braking and cornering whenever possible.

BRAKES

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

PETROL FILLING

The fuel filler cap is located in the boot. Unscrew the cap by turning anti - clockwise. NOTE. Any petrol spilt onto the paint work should be washed off immediately to prevent staining.



CLEANING THE VEHICLE.

BY HAND.

The body work can be washed using a mild detergent or specialist car shampoo. NOTE. The roof material should only be washed using clean water. If the material is dry, a soft brush can be used to greater effect. A low pressure hose pipe should be used to rinse the vehicle. Specialised cleaners should not be used when cleaning the road wheels.

USING A POWER WASH.

The roof / door seals are not designed to withstand the direct force of water sprayed from a power wash. Power washing the bodywork however is quite acceptable.

AUTOMATIC CAR WASH

NOTE. The vehicle should not be washed using an automatic car wash, as the roof / door seals are not designed to withstand the direct force of the water jets.

DE ICING

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

TVR APPROVED CLEANERS

TVR are happy to provide a list of polishes and cleaners that are readily available from accessory shops and are recommended for use on *TVR* vehicles.

CHECKS & SERVICING

Recommended Weekly Checks.

1. All exterior lights.
2. Oil level.
3. Coolant level.
4. Brake fluid level.
5. Clutch fluid level.
6. Windscreen washer bottle.
7. Tyre pressure.
8. Spare tyre pressure.
9. 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, which ever is reached first.

NOTE. All service work should be carried out by a *TVR* factory approved service centre. A comprehensive list of service requirements is located within the Service Schedule Section. For further information contact your local dealer.

CATALYTIC EXHAUST SYSTEMS

(Catalyst equipped vehicles only)

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, Scandinavian and American 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. The engine is designed to run on high octane (super green) unleaded petrol.

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.

6) The catalytic converters are wrapped in an insulating material which must not be removed. Sealant or other materials should not be applied to the catalysts.

SEAT BELT

Ensure that the seat belt is not obstructed in any way when fitting. The seat belts should be fully retracted before leaving the vehicle. Clean the seat belt webbing using soapy water. **Do not** use solvents or abrasives to clean the webbing.

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.

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.

TEMPORARY SPARE WHEEL

The narrow section space - saver spare wheel is for temporary use only and when fitted, the vehicle should not be driven at speeds in excess of 50 mph (80 Km/h). In addition to the speed restriction, the vehicle must not be subjected to fast cornering, fierce 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. Only one spare wheel should be fitted to the vehicle at any one time. *TVR* recommend that the original wheel and tyre be repaired and refitted as soon as is possible.

FUEL PUMP SHUT-OFF INERTIA SWITCH

Located behind the glove box lid on the right. 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 off the switch will be in a raised position, and the M.I.L. warning light will illuminate for approximately three seconds each time the ignition is switched on.

It is necessary to reset the switch, by depressing the button, before attempting to restart. Open the glove box lid. Reach inside over the rear of the glove box and locate the switch on the right.

Do not reset the inertia switch if you see or smell fuel from the fuel system.

Engine
Mobil 1 SAE5W50 5 litres

Gearbox
Mobil ATF 220 1.4 litres

Differential
Mobilube HD 90/SAE 85W90 2 litres

Cooling System
Mobil Universal Antifreeze 12 litres

Brakes and **Clutch**
Mobil Universal Brake and Clutch Fluid SAE J1703

Wheel Bearings (and other grease points)
Mobiltemp Grease SHC 100

C.V. Joints
Mobil Grease Special NLGI 2

Note
TVR use and recommend *Mobil* products. Failure to use these products could effect vehicle performance and reliability and may also invalidate the warranty.

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

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

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 driveshafts from centrally mounted differential.

WHEELS & TYRES

Front 22 PSI

15" x 7J aluminium alloy wheels fitted with 215 / 50 ZR low profile tyres.

Rear 24 PSI

16" x 7.5J aluminium alloy wheels fitted with 225/50 ZR low profile tyres.

RECOMMENDED TYRE PRESSURES

Front	22 lbs sq/in
Rear	24 lbs sq/in
Spare	60 lbs sq/in

BRAKING

10.6" diameter ventilated front disc brakes with 9.9" diameter rear discs. Servo assisted with front/ rear split dual circuits.

ENGINE 4.0

90 degree alloy V8 engine

Capacity (cc)	3952
Bore / stroke (mm)	94.04 x 71.12
Max power	240 bhp @ 5250 rpm.
Max torque	270 ft.lbs @ 4000 rpm

ENGINE 4.3

90 degree alloy V8 engine

Capacity (cc)	4280
Bore / stroke (mm)	94.04 x 77
Max power	280 bhp @ 5500 rpm
Max torque	305 ft.lbs @ 4000 rpm

FUEL SYSTEM

Electronic fuel injection compatible with either leaded or unleaded fuels.

WARNING Cars fitted with catalytic converters must not run on leaded fuel - see section on Catalytic Exhaust Systems page 40.

TRANSMISSION:

5 speed manual gearbox with hydraulically operated clutch.

Gear ratios :

1st	3.32:1
2nd	2.09:1
3rd	1.40:1
4th	1.00:1
5th	0.79:1
Limited slip differential	3.31:1

STEERING

Rack and pinion steering 2.5 turns lock to lock.
350 mm leather covered steering wheel.

DIMENSIONS

Length overall	3965 mm
Wheelbase	2282 mm
Width overall (inc. mirrors)	1943mm
Height overall	1185 mm
Front track	1460 mm
Rear track	1460 mm
Ground clearance	126 mm
Fuel capacity	57 litres 12.7gallons
Weight	1060 kg

This TVR has been built by TVR Engineering Limited, to the best of their ability within the present scope of the art 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 of 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 the 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 remanufactured unit, without charge for labour or parts, of any part of 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 wether 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 do 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:-
(a) if the essential maintenance services identified in the service coupon booklet and the maintenance instructions described in the owners 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 on 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, pay load, 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 Wheeler, 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.