

# FORD CORTINA

1983



## YOUR OPERATING GUIDE

shows where all the driving controls are and provides technical data as well as information for roadside emergencies. More detailed information is provided in your 'Ford Car Owner Handbook' on those topics within this Guide marked with an asterisk (\*).

## HEATING/VENTILATION

### Upper left hand lever —

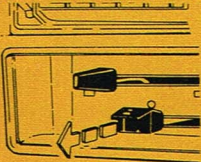
Temperature control. Move the lever to the right for warm air, or to the left for cold air. The lever may be set to any desired intermediate position.

**Upper right hand lever —** Air distribution. Move the lever to the right ▲ to direct air to the screen, to the left ▼ to direct air to the vehicle interior. Position the lever between ▼ and ▲ to direct air to screen and interior.

**Lower lever —** controls boost fan and air flow rate. Move the lever to the centre for slow boost, towards the right-hand stop for medium boost, or fully to the right for maximum boost. Move the lever to the left to decrease the quantity of air. The heater is switched off when the lever is moved fully to the left. Air flow is still possible through the aeroflow vents. With the lever against the left-hand stop, the knob may be pulled out to switch on the boost fan for increased air flow through the aeroflow vents. (\*)

## AEROFLOW VENTS

The side vents supply air from outside vehicle, the temperature of which depends upon position of heater temperature control. However, as these vents are designed for side window de-mist/de-ice, they will deliver air above ambient temperature even when temperature control is set to 'cold'. The centre vents deliver air at ambient temperature only and are provided to achieve cool ventilation at face level. To adjust amount of air emitting from vents, turn knob (side vents) or knurled wheel (centre vents).



Swivel vents to required direction. To increase air flow by means of boost fans, move lower lever on heater control panel fully left, then pull level knob outward. In summer, the interior can be cooled most efficiently by closing off both side vents and boosting cold air through the centre vents. In winter, close the centre vents and open both side vents to demist the side windows and warm the interior to maximum effect.

## HEATED REAR WINDOW SWITCH (\*)

**CIGARETTE LIGHTER** Depress knob. After a short time it will pop up in the socket, ready for use.

## HAZARD FLASHER SWITCH (\*)

**TACHOMETER.** Max continuous engine speed (rev/min):

4-cyl. in-line engine:	5800
V6 engine:	5700
Max. intermittent engine speed (rev/min):	
4-cyl. in-line engine:	6100
V6 engine:	6000

## DIRECTION INDICATOR WARNING LIGHTS

The warning light flashing frequency will increase if an indicator bulb fails.

**FUEL GAUGE** When needle enters orange sector there is a minimum fuel reserve of 10 litres (2 gallons) left in the tank.

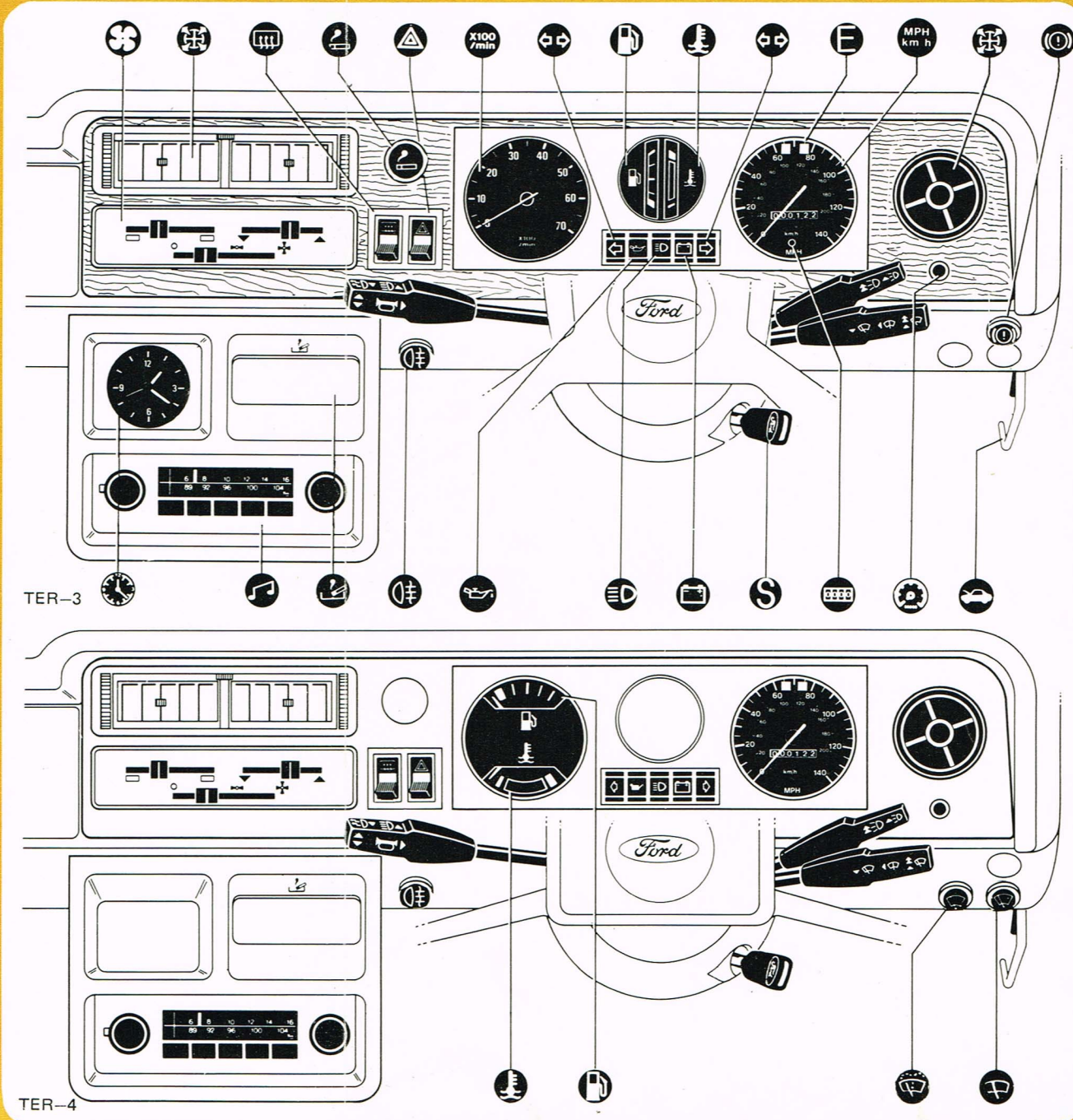
**TEMPERATURE GAUGE** If needle enters orange sector, stop car, switch off engine, and check for fault. (\*)

**ECONOLIGHTS (Option) (\*)** For maximum fuel economy, endeavour to drive in such a manner that the econolights, particularly the red one illuminate momentarily or not at all.

Amber — Illuminates when the car warning light is driven less economically.

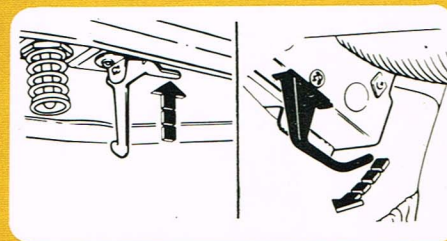
Amber and red — Illuminate when the car warning lights is driven uneconomically.

## SPEEDOMETER



**BRAKE FLUID LEVEL WARNING LIGHT** If this light comes on when driving, stop the car immediately it is safe to do so and have the braking system checked at once. Check that warning light bulb is working by depressing switch.

**BONNET RELEASE LEVER** Pull lever to release the bonnet. After releasing the bonnet, push the safety catch at the front upwards. The bonnet can now be raised and supported by its strut.



Before closing the bonnet make sure that the strut is firmly engaged in its clip. Firmly close bonnet to ensure that the lock is engaged. For safe driving it is important that the bonnet is properly locked.

**INSTRUMENT ILLUMINATION CONTROL** Rotate to adjust brightness of the instrument panel illumination (where fitted).

**TRIPMETER RESET BUTTON** Depress to zero tripmeter.

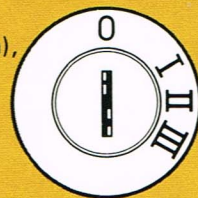
**IGNITION WARNING LIGHT** If this light illuminates when driving, stop car, switch off engine and check for fault. (\*)

**MAIN BEAM WARNING LIGHT** will illuminate whenever headlamps are on main beam, or when headlamp flasher is operated.

## STARTER SWITCH/STEERING LOCK

This has four positions:

- 0 Steering locked; push key and lock barrel into lock approximately 3mm (1/8in), before turning key from position 0 to position I.
- I Steering unlocked, radio operative.
- II Electrical systems operative. If the vehicle is being towed, the key must be in this position.
- III Start engine (\*)



**OIL PRESSURE WARNING LIGHT** If this light illuminates when driving, stop the car, switch off engine and check for fault. (\*)

**REAR FOG LAMP SWITCH** Depress to operate. Rear fog lamp(s) may only be used in poor visibility. It should be noted that the rear fog lamp(s) will only operate while dipped beam headlamps and ignition are switched on. The integral warning light mounted in the switch body indicates when the lamp(s) should be in operation. A periodic check for bulb failure should be made by visual inspection of the lamp.

**ASHTRAY** To empty, pull out ashtray beyond the stop. When reinserting ashtray make sure that the side rails enter the guide grooves. On rear ashtrays, which may be swivelled open, depress the centre retaining clip to remove ashtray.

**RADIO (\*)**

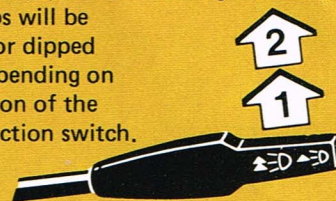
**CLOCK** To adjust, push in central button and rotate as required.

**REAR WINDOW WIPER SWITCH**

**REAR WINDOW WASHER SWITCH** Keep switch depressed for prolonged washer operation.

## LIGHTING SWITCH

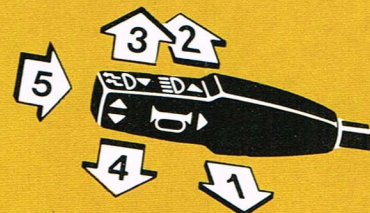
1—Side and tail lights on.  
2—Headlamps, side and tail lights on. The headlamps will be on main or dipped beam, depending on the position of the multi-function switch.



## MULTI-FUNCTION SWITCH

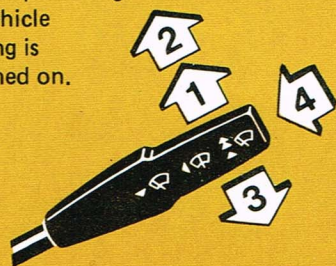
- 1—Headlamp flasher
- 2—Main beam when headlamps on \*
- 3—Right turn indicators
- 4—Left turn indicators
- 5—Horn

\*NOTE: Additional driving lamps are switched on when the headlamps are on main beam.

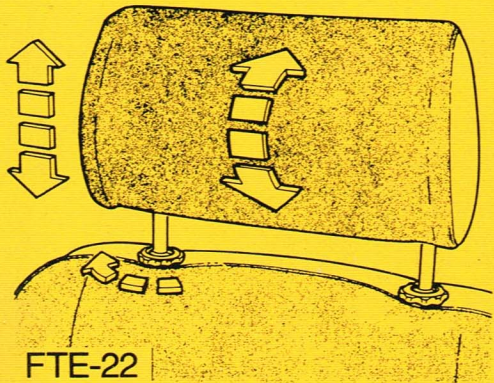


## WASH/WIPE SWITCH

- 1—Normal wiper speed
- 2—Fast wiper speed—for extreme conditions.
- 3—Single wipe or intermittent wipe function, depending on model. Use in light rain or mist.
- 4—Windscreen washers—keep button depressed for prolonged washer operation. At the same time the headlamp washers, if fitted, will operate providing the vehicle lighting is switched on.



# INTERIOR & EXTERIOR EQUIPMENT



**SLIDING ROOF**  
Pull winder out of the recess, crank sliding roof into desired position, then fold winder back.

**INTERIOR LIGHT**  
Light has three switch positions:

- light on
- light off
- Light on when door open (\*)

**DIPPING MIRROR**  
Pull lever to dip mirror to avoid glare from following vehicles at night.

## HEAD RESTRAINTS

The height of each head restraint can be adjusted by pulling it up or pushing it down. A 'click' should be heard when the restraint is raised to its maximum height.

The angle of the head restraints can be adjusted by tilting backwards or forwards.

To remove head restraint, rotate the knurled top of the right hand retainer clockwise while lifting the head restraint, as illustrated.

## MANUAL TRANSMISSION

The illustration shows the position of the individual gears.

Reverse gear cannot be engaged without first pushing the gear lever down.



## AUTOMATIC TRANSMISSION SELECTOR

Selector positions:

- P—Park/starter operative
- R—Reverse
- N—Neutral/starter operative
- D—Drive (1st, 2nd and 3rd gear)
- 2—Second gear
- 1—First gear



Button on side of 'T' handle must be pressed before selector lever can be moved between positions indicated thus:



**WARNING** — On vehicles with automatic transmission apply handbrake and select P when:

- Parking the vehicle
- Making adjustments under bonnet
- Leaving the vehicle with engine running.

Do not rev the engine above 4500 rev/min with the vehicle stationary.

## SEAT BELTS (\*)

**CHILD-PROOF LOCKS (4-door models)**  
To prevent rear doors from being opened from inside the vehicle, push small lever on lock down.

**LUGGAGE COMPARTMENT LOCK**  
To open lid, insert key and turn clockwise.



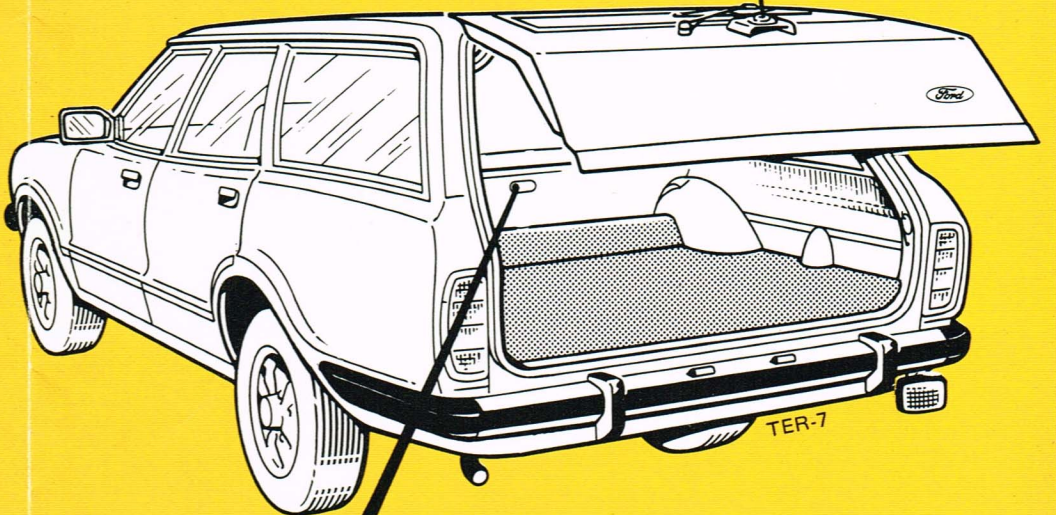
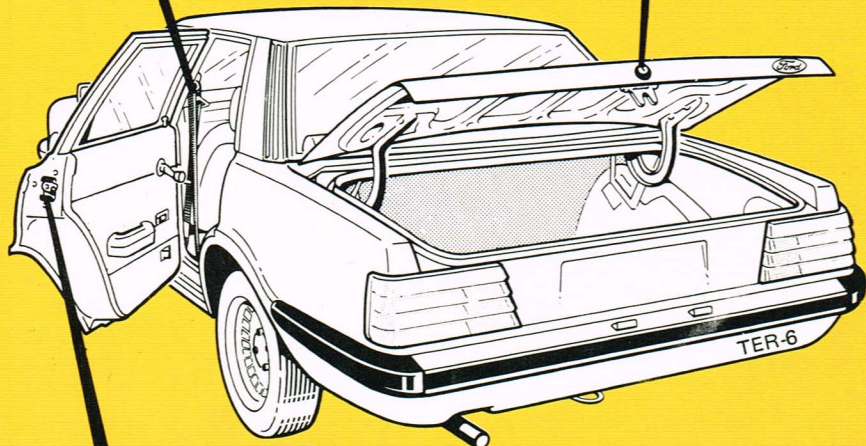
**SEAT BACK RELEASE LEVER**  
To gain access to rear seats (2 door models only) raise lever and tip seat back forward.

**SEAT SLIDE LEVER**  
Pull lever to the left on driver's seat, to the right on passenger's seat. Slide seat to required position, then release lever.

**SEAT BACK RECLINING CONTROL**  
Turn handwheel to adjust angle of seat back.

**TO LOCK DOOR—**  
From outside: Close door, then turn key to depress button ①. Alternatively, depress button with door open and, on front doors, keep handle ② raised as you close the door.

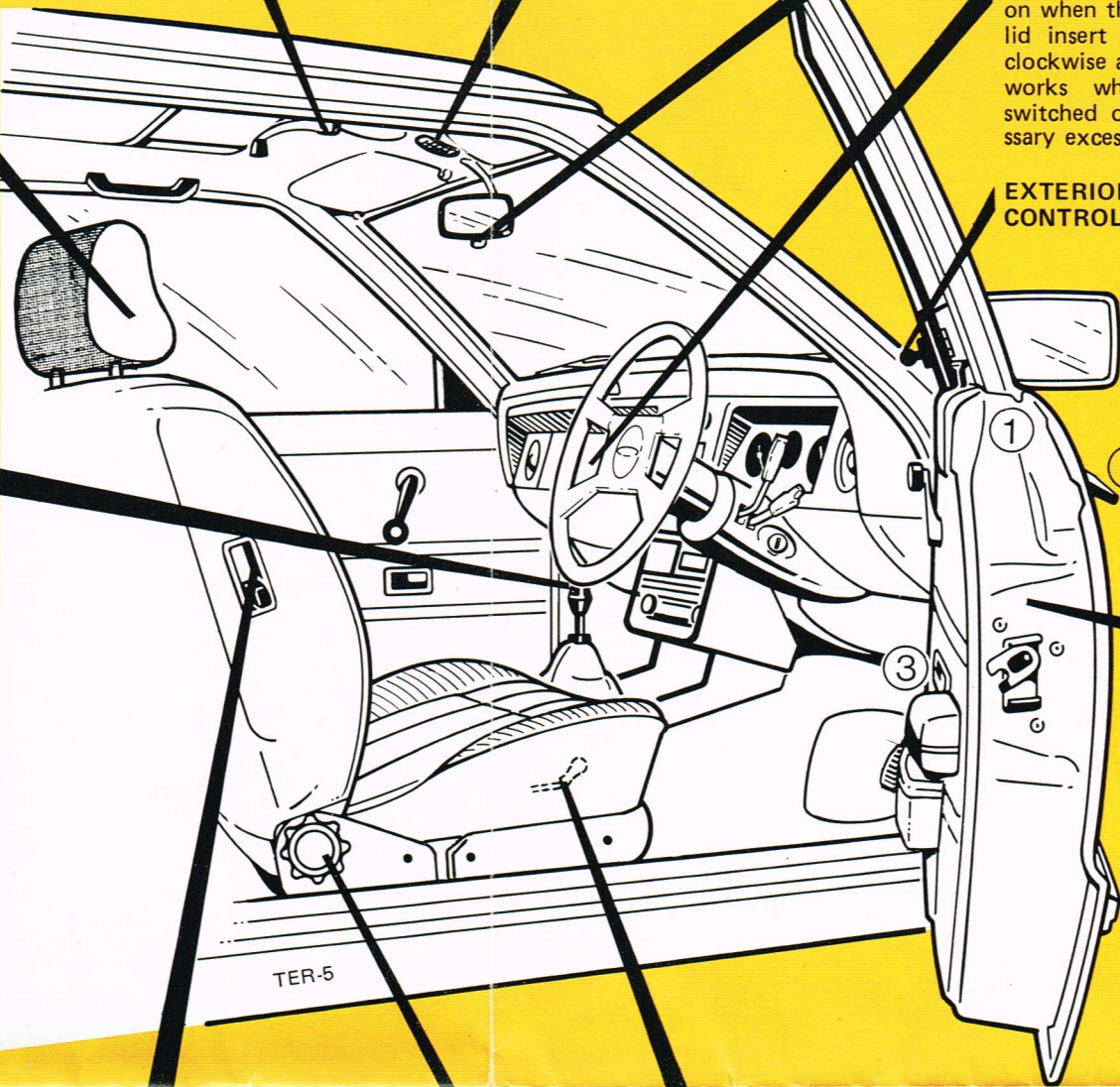
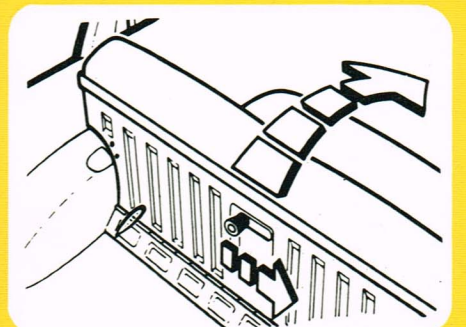
**TAILGATE LOCK (Estate Car)**  
Insert key and turn clockwise. Push in lock button to open tailgate.



**CONVERTING LOAD FLOOR (Estate Car)**  
Before converting load floor, clip rear seat belts into brackets provided on side trim panels.

To fold down rear seat back, pull knob shown to one side, then lower seat back and press down to a horizontal position, at the same time pressing down load floor extension panel.

To raise seat back, lift load floor extension panel up by the loops and raise seat back. Ensure that catches are fully engaged.

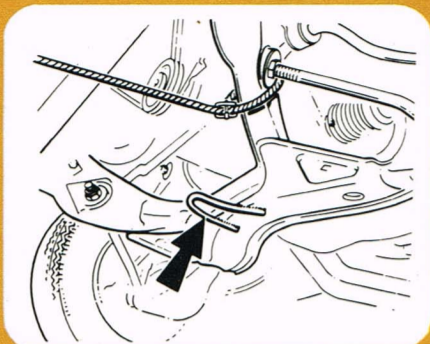


# GENERAL INFORMATION

## TOW ROPE ATTACHMENT AND TOWING THE VEHICLE

In an emergency, if the vehicle is towing or being towed the tow rope must be attached to the vehicle as follows:

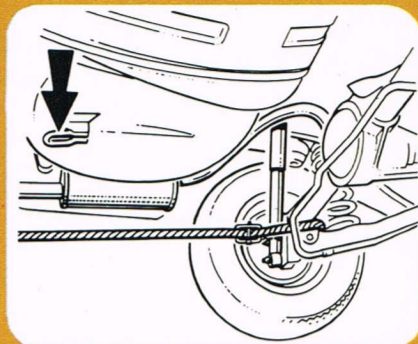
On vehicles which have towing eyes (shown arrowed in the illustrations below) these must be used. Those vehicles which do not have towing eyes should have the rope attached at the points illustrated. At the front of the vehicle, loop the rope around the front suspension cross member.



FRONT OF VEHICLE

At the rear of the vehicle the rope must only be tied around the left-hand shock absorber mounting bracket to avoid damage to the suspension and brake components. Ensure that the rope does not foul the handbrake linkage or brake pipe.

**WARNING:** When the vehicle is being towed the starter switch/steering lock must be in position II. Only then will the steering lock be released and the direction indicators, driving lights and warning lights be operational. (\*)



REAR OF VEHICLE

## SPARE WHEEL AND TOOLS

### Estate

To remove the spare wheel, fold back the load floor mat, lift up the floor cover panel and support with the stay. Unscrew the spare wheel retaining eye-bolt and remove the wheel. The wheel-brace and jack are located under the floor cover panel.

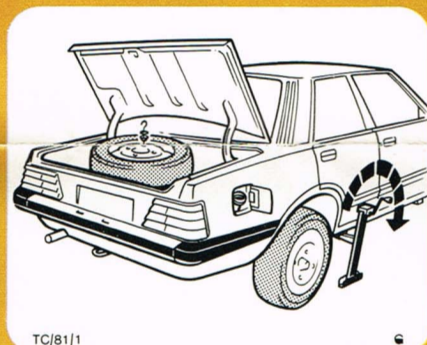
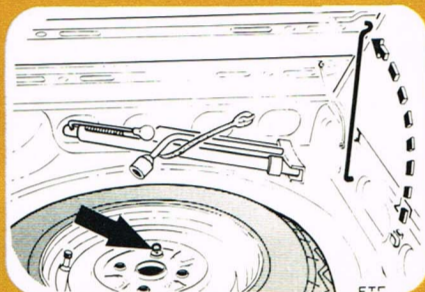
### Saloon

To remove spare wheel, lift the luggage compartment floor mat, unscrew the spare wheel retaining eye-bolt and remove the wheel.

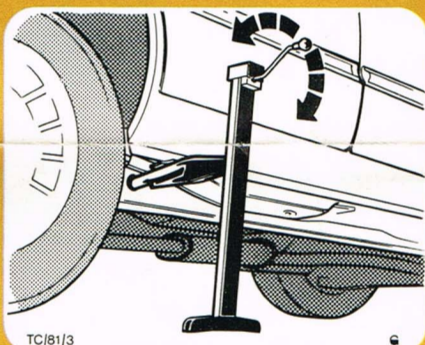
The wheel brace and jack are located on the right hand wheel arch, retained by rubber straps.

### General

If the eye-bolt is difficult to undo by hand, the wheel brace can be used to provide additional leverage. However, when replacing the bolt, it should only be tightened by hand.



TC/81/1

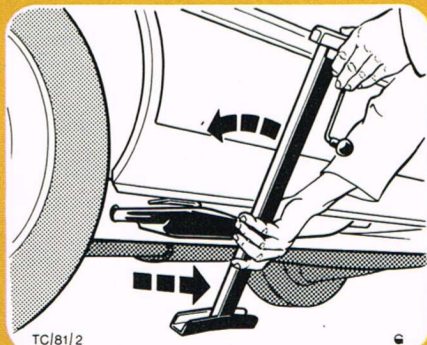


TC/81/3

## JACKING THE VEHICLE

For wheel changing, two jacking points are provided in the chassis members on each side of the vehicle. Select front point to raise front wheel or rear point to raise rear wheel.

Slide the jack arm into the hole(s), ensuring maximum penetration is achieved and not restricted by mud and other road debris.



TC/81/2

**WARNING:** For the front jacking point, the jack arm must enter two holes for full engagement.

Swing the top of the jack as far as possible towards the side of the vehicle, turning the handle anti-clockwise, if necessary, to provide adequate clearance between the foot of the jack and the ground. Jack the vehicle, turning the handle clockwise, until the jack supports the vehicle.

Before jacking the wheel clear of the ground, remove plastic wheel nut caps and centre cap, where fitted, and slacken each wheel nut (turning anti-clockwise) by half a turn. Jack the vehicle, allowing sufficient clearance to permit easy fitment of the spare wheel. Transfer the wheel trim ring (where necessary) from the defective wheel to the spare wheel. (\*)

**WARNING:** Never work under the raised vehicle without extra supports.

## FUEL FILLER CAP

The fuel filler cap is of the vented type. If replacing it, e.g. with a locking filler cap, always ensure that the replacement cap is also vented.

Do not 'trickle-feed' when filling the tank. This practice will fill the expansion void and result in overspill. With the filler gun fully inserted, fill up

until the second 'click-stop' of the petrol filler gun.

Fuel tank capacity is 54 litres (12 gals). Petrol used in your FORD should be regular grade (91 octane) for low compression engines, or super grade (97 octane) for high compression engines.

*This publication describes options and trim levels available throughout this model range and, therefore, some of the items covered may not apply to your vehicle. If any doubt exists about any of the options or trim levels, do not hesitate to contact your FORD Dealer for information of the latest levels.*

*The illustrations and descriptive text in this issue were correct at the time of going to print. The FORD policy is one of continuous improvement and the right to change prices, specifications, equipment and maintenance instructions at anytime, without notice, is reserved.*



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# DRIVING LIGHTS AND FUSES

## BULB REPLACEMENT

When replacing bulbs note that 12 volt bulbs must be used on this vehicle. Bulb wattage figures are given in the illustrations.

Take care not to touch glass surface of headlamp bulbs. If the glass surface is touched accidentally, it should be wiped clean with methylated spirit as soon as possible (\*) as heat from the bulb will cause grease on the bulb glass to evaporate and be deposited on the headlamp reflector, reducing headlamp efficiency.

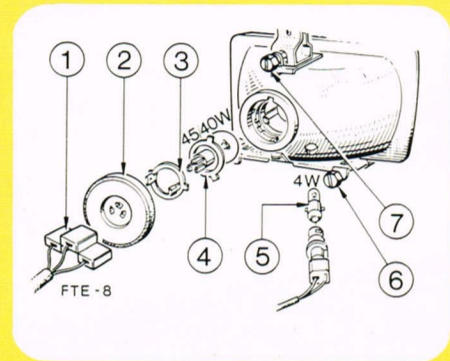
## HEADLAMPS/SIDELIGHTS

These are accessible from inside the engine compartment. To renew a headlamp bulb ④ pull off multi-plug ① and seal ②. Turn and remove bulb locking ring ③. The bulb may now be withdrawn.

The headlamps are fitted with Tungsten 45/40 watt bulbs or Halogen H4 60/55 watt bulbs.

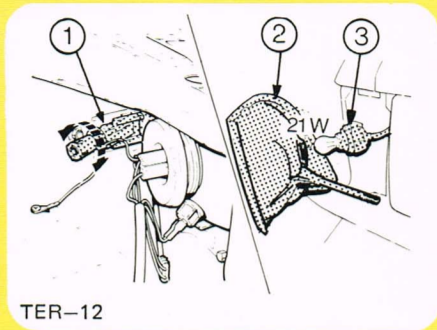
To renew a sidelight bulb, turn and pull out bulb and socket assembly ⑤ from headlamp then remove bulb by pressing down and turning.

Headlamp horizontal adjustment is made with screw ⑥. Headlamp vertical adjustment is made with screw ⑦.



## FRONT DIRECTION INDICATORS

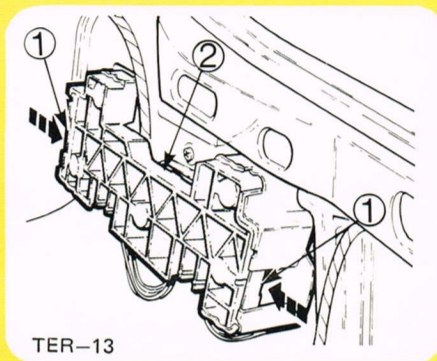
To renew a bulb, undo threaded sleeve ① in engine compartment and remove indicator assembly ②. Turn lamp socket ③ anti-clockwise and withdraw it from assembly. The bulb may be removed by gently depressing and turning it anti-clockwise.



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## REAR LIGHTS

These are accessible from the luggage compartment on saloon models. To renew a bulb, press clips ① inwards and remove mounting plate ② complete with bulbs.

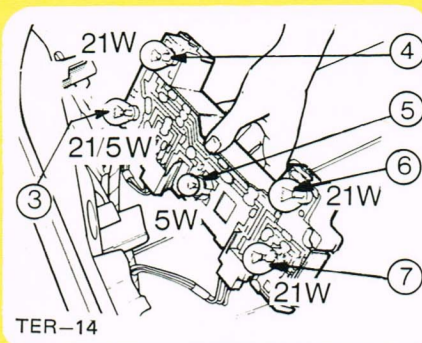


TER-13

- ③ = Stop/tail light
- ④ = Direction indicator
- ⑤ = Tail light

- ⑥ = Reversing light
- ⑦ = Rear fog lamp

Depress and turn appropriate bulb anti-clockwise, then remove bulb.



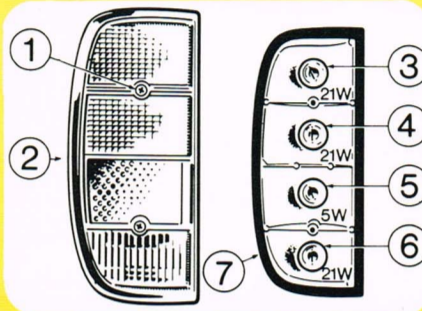
TER-14

To replace the bulb mounting plate, return it to its aperture and press firmly on the plate until it clips into place.

On estate cars, to renew bulbs, undo screws ① and remove lens ②.

- ③ - Direction indicator
- ④ - Stop light
- ⑤ - Tail light
- ⑥ - Reversing light

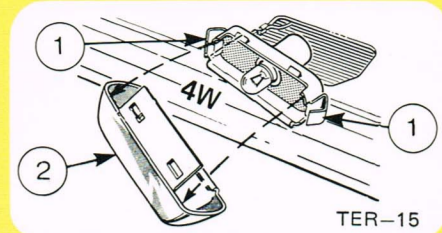
Depress, turn and pull out appropriate bulb. Ensure gasket ⑦ is seated correctly on reassembly.



## REAR NUMBER PLATE LIGHTS

To replace a rear number plate light bulb, reach under the rear bumper, press spring clips ① together and push light assembly upwards. Pull tab ② free of notches and swing cover clear.

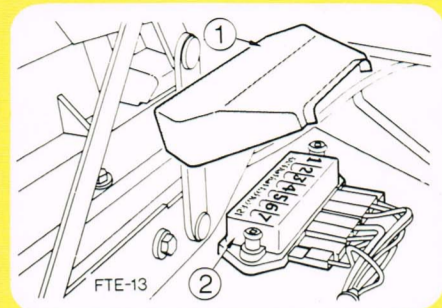
The bulb may be removed by depressing and turning it anti-clockwise.



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## FUSES

The clear plastic cover ① on the fuse block ② indicates circuits protected:



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- 1—horn, clock, interior light, cigarette lighter, hazard flashers, glove compartment light (16A).
- 2—LH sidelight/tail light (8A).
- 3—instrument panel illumination, number plate lights, RH sidelight/tail light (8A).
- 4—main beam headlamps, driving lamps (16A).
- 5—dipped beam headlamps (16A).
- 6—wiper motor, reversing lamps, electric washer pump (16A).
- 7—direction indicators, brake lights, heater boost motor, instrument cluster (8A).

On some vehicles the headlamp fuses are located on headlamp relay in the engine compartment.

Headlamp washer fuse (16A) is located in wiring on front left-hand side of engine compartment between radiator front bulk-head and inner wing panel.

# FILLING STATION INFORMATION

**WARNING:** You should only carry out checks within the engine compartment with the ignition turned off, except where otherwise stated.

## FUSES

Lift protective cover to gain access to fuses.

## AUTOMATIC TRANSMISSION FLUID DIPSTICK (\*)

## ENGINE OIL DIPSTICK

Check engine oil level at every fuel stop. Allow a short time for oil to settle after switching off engine. Maintain level between upper and lower marks on dipstick. (\*)

## AIR CLEANER

On 1.6 (2V) and 2.0 (2V) OHC engines, turn spout to horizontal position for summer operation (ave. temp. above 10°C) or downwards for winter operation (ave. temp. below 10°C). Adjustment is automatic on all other engines.

## BATTERY

Check that electrolyte level is between MAX and MIN marks on battery casing. If necessary, add distilled water. (\*)

## BRAKE FLUID RESERVOIR

Check that brake fluid is up to MAX line on reservoir. When topping up, hold warning light lead connector steady while undoing cap. Take care not to spill fluid on paintwork. Top up with FORD brake fluid or brake fluid meeting FORD specification SAM6C-9101-A or C or ESEAM-6C-1001-A. (\*)

## POWER STEERING RESERVOIR

Check fluid level when engine is switched off. Top up when necessary using automatic transmission fluid meeting FORD specification SQM-2C900-AA, ESW-M2C-33F or ESW-M2C-33G. (\*)

## COOLING SYSTEM OVERFLOW CONTAINER

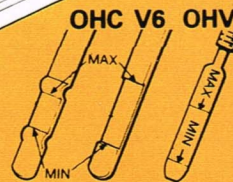
## VEHICLE IDENTIFICATION PLATE (\*)

## TYRE PRESSURES

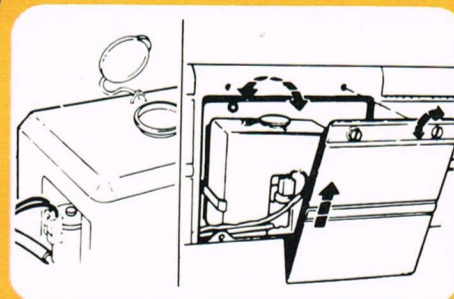
Check when cool. (\*)

## ENGINE OIL FILLER CAP

To remove, pull out of rocker cover. Top up with FORD Super Motor Oil or oil meeting FORD Specification SS-M2C-9001-A. (\*)



**WARNING** - To avoid scalding, never remove the radiator cap when the engine is hot. The coolant level should only be checked when the engine is cold and the ignition switched off.



## SCREEN WASHER RESERVOIR(S)

Refill with water or a mixture of water and MOTORCRAFT Windscreen Washer Fluid.

On estate cars with a rear window wash/wipe system there is an additional reservoir behind the trim panel on left-hand side of load compartment. Turn panel retainers so that slots are vertical. Pull top of panel outwards and upwards to disengage from clips. For easy filling, remove reservoir from bracket and stand it on load floor. (\*)

## COOLING SYSTEM (\*)

**WARNING** - On some vehicles the cooling system overflow container is marked 'Max' and 'Min'. These markings must be disregarded. The overflow container should be empty, or almost empty, when the engine is cold. Never add coolant to the overflow container.

The coolant level should be checked at the radiator in the normal manner, and should be level with the base of the filler neck.

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# TECHNICAL DATA

## ENGINE DATA

Engine	4 cylinder OHV in line	4 cylinder OHC in line				V6 OHV
	1.3 HC (VV)	1.6 LC (VV)	1.6 HC (VV)	1.6 HC (2V)	2.0 HC (2V)	2.3 HC (2V)
Capacity	44 (60) 5750	51 (70) 5300	54 (73) 5300	65 (88) 5300	74 (101) 5300	84 (114) 5300
Max. continuous engine speed rev/min.	5800					5700
Max. intermittent engine speed rev/min.	6100					6000
Recommended fuel grade* Octane rating (grade)	97 (Super)	91 (Regular)	97 (Super)			
Valve clearance Engine cold** Inlet/exhaust mm (in)	0.20/0.55 (0.008/0.022)	0.20/0.25 (0.008/0.010)			0.35/0.40 (0.014/0.016)	
Firing order	1-2-4-3	1-3-4-2			1-4-2-5-3-6	
Spark plugs Motorcraft	AGR 12	BF 22		BF 32	AGR 22C	
Spark plug gap mm (in)	0.60 (0.025)					
Static ignition timing BTDC	10°	12°		8°		9°
Contact Breaker Points gap mm (in)	0.55 to 0.7 (0.022 to 0.028)	Motorcraft*** distributors: 0.55 to 0.7 (0.022 to 0.028) Bosch*** distributors: 0.4 to 0.5 (0.016 to 0.020)			****	
Idle speed rev/min	800 ± 50	800		825	850 ± 50	

\*Detailed petrol consumption charts are included in the FORD CAR OWNER HANDBOOK.

\*\*Valve clearances to be checked statically not less than five minutes after stopping the engine.

\*\*\*Distributor type can be identified by the colour of its cap: Motorcraft—black, Bosch—red.

\*\*\*\*Not applicable:— Breakerless ignition fitted as Standard.

## NOMINAL KERB WEIGHT kg (lb)

Engine	Saloon		Estate
	2 door	4 door	
1.3	1000(2200)	1020(2244)	1095(2409)
1.6	1035(2282)	1055(2326)	1115(2458)
1.6 2V	1050(2315)	1070(2359)	1115(2458)
2.0 OHC	1060(2337)	1080(2381)	1130(2492)
2.3 V6	1110(2448)	1130(2492)	1175(2591)

## MAXIMUM ROOF RACK LOADING kg (lb)

Saloon	75 (165)
Estate	100 (220)

## CAPACITIES litres (pints)

Item	Capacity
1.3 litre engines with oil filter change without oil filter change	3.5 (6.2) 3.25 (5.7)
1.6 and 2.0 litre engines with oil filter change without oil filter change	3.75(6.6) 3.25(5.7)
2.3 litre engines with oil filter change without oil filter change	4.25 (7.5) 4.00 (7.0)
Manual transmission	
1.3 and 1.6 litre engines	1.0(1.8)
2.0 and 2.3 litre engines	1.7(3.0)
Automatic transmission	6.3(11.1)
Rear axle	
1.3 and 1.6 litre engines	1.0(1.8)
2.0 and 2.3 litre engines	1.1(1.9)
Cooling system (with heater)	
1.3 litre engines	4.96(8.7)
1.6 litre engines	5.75(10.1)
2.0 litre engines	6.13(10.8)
2.3 litre engines	6.90(12.1)

## DIMENSIONS mm (in)

Type	Saloon	Estate
Wheelbase	2579 (101.6)	
Track front	1445 (56.9)	
Track rear	1425 (56.1)	
Overall width	1706(67.2)	1712(67.4)
Overall height	1324(52.1)	1328(52.3)
Overall length - *	4390(172.8)	4489(176.7)
no overrides	4340(170.9)	4441(174.8)
Turning circle m (ft)		
between kerbs	10.0 (32.8)	
between walls	10.64 (34.9)	

\*With overrides

## RECOMMENDED COLD TYRE PRESSURES—Bar (kgf/cm<sup>2</sup>) (lbf/in<sup>2</sup>)

Vehicle	Tyre size	Vehicle loaded with up to 3 persons and Normal Usage *		Up to maximum loading and Normal Usage *	
		front	rear	front	rear
Saloon	165 SR 13	1,8(1.8)(26)	1,8(1.8)(26)	2,0(2.0)(28)	2,5(2.5)(36)
	185/70SR 13	1,6(1.6)(23)	1,6(1.6)(23)	2,0(2.0)(28)	2,5(2.5)(36)
	195/60HR 14	1,6(1.6)(23)	1,6(1.6)(23)	2,0(2.0)(28)	2,5(2.5)(36)
Estate	165 SR 13	1,8(1.8)(26)	1,8(1.8)(26)	2,0(2.0)(28)	2,8(2.8)(40)
	185/70SR 13	1,6(1.6)(23)	1,7(1.7)(24)	2,0(2.0)(28)	2,8(2.8)(40)
	175 SR 13 reinf	1,5(1.5)(21)	1,7(1.7)(24)	2,0(2.0)(28)	2,8(2.8)(40)

\*For usage on all roads and at all speeds where top speed is not sustained.

Increase tyre pressures by 0.1 Bar (0.1 kgf/cm<sup>2</sup>) (1.5 lbf/in<sup>2</sup>) for every 10km/h(6miles/h) above 160km/h(100 miles/h)