



TOYOTA



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**OWNERS
MANUAL**

Toyota Lucida Estima Emina
Owners Handbook

UK Edition 2005

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Toyota Estima Model Range

The Estima comes in three variants which are known as the Estima, Estima Lucida and Estima Emina respectively. The main difference is that the Lucida and Emina models are approximately 110 mm narrower than the standard Estima, and 70 mm shorter, which makes the Estima the closest model to the UK Previa. As the three models share the same wheel-base, this can be easily identified by the Lucida/Emina having flared front wheel arches to accommodate the size differential. It is the opinion of some that the Lucida/Emina models handle better, particularly on our narrower roads.

The pictures opposite clearly show the flared wheel arch on the Toyota Estima Lucida/Emina Model (Bottom picture), whereas the Toyota Estima Model's wheel arch is flush (Top picture).



The main reason why the Lucida and Emina exist is simply to beat the tax system in Japan. Unlike in the UK, taxation for cars are far more complex in Japan. Tax rates are determined by different criteria, the main factor being the engine capacity and the body size (area size) of the car. In other words, small cars with big engines will be categorised in a higher band tax at the same time as a car with a small engine but a bigger body. The Estima, due to its size, is classed in the higher tax band for the road tax. However, as the Lucida and Emina are slightly shorter than the standard Estima, they falls into lower band category for tax. This makes significant savings in running costs of the vehicle as the taxes are quite expensive in Japan.

The reason for their being two smaller Estima models, the Lucida and Emina, rather than just one, is also quite interesting. In Japan, there are five separate divisions under the Toyota corporate umbrella, with each marketing and servicing selected models. The two similar Estima models, the Lucida and the Emina with the 2.2 TD engine, were designated as such for two of these divisions of Toyota which initially wanted to distribute them. So, the two models were given different names to distinguish sales and statistics between the two divisions, (possibly done by Toyota as a way to stir sales competition within their own sales divisions). They are basically the same in engine, all mechanical parts and interiors. The only difference between the models are minor design features on the front grille section and the rear tail light section.

Also there was a model change in 1996 in Japan with the primary differences being different newly designed front and rear lights, the ABS feature and also twin airbags. Due to these added features on the 1996 model and onwards prices are relatively higher.

Toyota Estima Specifications

Unfortunately, there is no way of knowing what specification a model comes with. That is, in the UK, Previa models are badged GS, GL and GX, so you know what the baseline specification is. With Japanese Estima models, they are badged differently to the UK Previa, with different grades of specification, but without examining each individual model there is no way of knowing what specification is included on the vehicle concerned, as they nearly always come with extra options.

"G" and "X" are a common grading scheme used by Toyota Japan on many of their vehicles in Japan, including the Estima Emina/Lucida.

G is the higher grade, followed by the mid range (most prevalent) X models, and then F, S and D (basic) models.

From 1995 onwards the basic models seem to have been discontinued and I doubt if there are many imported or have been imported to the UK. But in between these basic grades there are those models that have the "twin moon roof" and the slightly curved raised glass J-top sun roof. Also, models come in "Luxury" & "Limited" models. But it is really hard to pin down what comes with each model as many of the Japanese, when originally purchasing their vehicle, may add a variety of other features. Some may have alloys and the rear spoiler, or they may add the cold/hot box with a CD system to add to the cassette radio. G models generally have the captain seats and the auto. climate control. But some of the X Luxury models also come with the captain seats and auto. climate control. So you can sometimes find a 4WD X Luxury model with better specifications and gadgets than a G.

Apart from the badging of models, there are other give-aways of Japanese imported models. These are :

- Square number plates, which is the standard in Japan
- Reversing mirror, which overhangs the rear of the car

The front windscreen wipers are both mounted on the drivers side (with 1 long blade and 1 short blade), whilst the European Previas have the arms mounted one on either side and cross over.

This is a list of items that are available on Toyota Estima models. It has become apparent that Toyota make a vast range of optional extras and accessories. This may be a useful starting checklist to use when examining potential vehicles to purchase

- 4WD
- Alloy wheels
- Boot liner – Plastic
- Canopy
- Captains chairs in middle seat row
- Central Locking
- Child–safe locking side slide doors.
- Cigarette lighter
- Cruise control
- Cupholder's
- Driver and passenger airbags
- Dual Air Conditioning (some with Climate Control i.e. you set the temperature inside the car)
- Dual Sunroofs: Manual sunroof at front and Electric Sunroof at rear
- "Easy close" back and/or slide door.
- ECT power.
- Electric windows
- Electric curtains
- Full size spare wheel
- Heated electric mirrors
- Heated rear window
- Hot and cold storage box
- Lace seat/headrest covers
- Metallic and Pearlescent paints
- Mock Walnut dash and door caps

- Multi–box, consisting of 3 holder/tray's for coin's etc.
- Night Parking stick, on front bumper, lights up at night to aid parking
- Overdrive, button on column shift, when 'on" this transforms the transmission into a 4 gear mode, allows for smoother, quieter driving on straight roads, and gets slight better mileage. "Off" is primarily for going uphill or down hills
- Picnic table and chairs
- Power Steering
- Raised Glass J–Top roof
- Rear spoiler
- Remote fuel flap release
- Reversing mirror (a give–away of a Japanese imported model)
- Roof rails
- Television
- Tilt adjustable steering column
- Tinted windows
- Transmission: Manual or Automatic
- Ultrasound parking sensors
- White Steering Wheel
- Wire mesh window heat reflectors
- 110v DC electric hook up with outlet

Dimensions



| External | Length (mm) | Width (mm) | Height (mm) |
|----------------------|------------------------|-----------------------|------------------------|
| Estima | 4750 | 1800 | 1790 |
| Estima Lucida | 4690 | 1690 | 1820 |
| Estima Emina | 4690 | 1690 | 1820 |

| Internal | Length (mm) | Width (mm) | Height (mm) |
|----------------------|------------------------|-----------------------|------------------------|
| Estima | 2800 | 1635 | 1220 |
| Estima Lucida | 2890 | 1520 | 1220 |
| Estima Emina | 2890 | 1520 | 1220 |

Specifications

| | 2.4 | 2.4S | 2.2TD |
|-----------------------------|---------------------------------|---------------------------------|---------------------------------|
| Engine Capacity (cc) | 2438 | 2438 | 2184 |
| BHP/RPM | 133/5000 | 160/5000 | 101/4200 |
| Maximum Speed | 108 | 112 | 100 |
| 0-60 (seconds) | 11.7 | 11.0 | 14.5 |
| Average Fuel Economy | 25 | 24 | 30 |
| Transmission | 5 speed manual or 4 speed auto. | 5 speed manual or 4 speed auto. | 5 speed manual or 4 speed auto. |
| Brakes (Front/Rear) | Disc/Disc | Disc/Disc | Disc/Disc |
| Weight (kg) | 1900 (fwd)/2000(4wd) | 1900 (fwd)/2000(4wd) | 1850 |

Service Schedule

| Parts and material renewal | Kms | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 |
|--|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Change engine oil | | * | * | * | * | * | * | * | * |
| Renew oil filter | | * | | * | | * | | * | |
| Renew drain plug gasket | | * | * | * | * | * | * | * | * |
| Renew engine coolant | | * | | | | | | | |
| Renew air filter | | * | | | | * | | | |
| Renew fuel filter | | | | | | * | | | |
| Renew brake/clutch fluid | | | | | | * | | | |
| Renew differential fluid | | | | | | * | | | |
| Renew transmission fluid | | | | | | * | | | |
| Engine system | | | | | | | | | |
| Check drive belt/V-belt condition & adjust | | * | * | * | * | * | * | * | * |
| Check & top-up engine coolant * | | | * | * | * | * | * | * | * |
| Check cooling system hoses & connections | | * | * | * | * | * | * | * | * |
| Check exhaust pipe & mountings | | * | | | | * | | | |
| Exhaust gas CO test | | * | | | | * | | | |
| Check engine mounting | | * | | | | * | | | |
| Check air conditioning refrigerant | | * | | * | | * | | * | |
| Check & clean air filter | | | * | * | * | | * | * | * |
| Clutch & Brakes | | | | | | | | | |
| Check & adjust clutch pedal | | * | * | * | * | * | * | * | * |
| Check & adjust parking brakes | | * | * | * | * | * | * | * | * |
| Check & topup clutch & brake fluid | | * | * | * | * | * | * | * | * |
| Check & clean brake linings & drums | | * | | * | | * | | * | |
| Check & clean brake pads & discs | | * | | * | | * | | * | |
| Chassis | | | | | | | | | |
| Check & tighten bolts & nuts on undercarriage | | * | * | * | * | * | * | * | * |
| Check & lubricate door hinges, locks & catches | | * | * | * | * | * | * | * | * |
| Check & top up transmission fluid | | * | | * | | | | * | |
| Check side slip | | * | | | | * | | | |
| Check & top up differential oil | | * | | * | | | | * | |
| Check & top up power steering fluid | | * | | * | | | | * | |
| Check steering wheel linkage & gear box | | * | | * | | * | | * | |
| Check tyres & pressures | | * | * | * | * | * | * | * | * |
| Rotate tyres (4WD models) | | * | | * | | * | | * | |
| Check fuel tank cap, lines & fuel connections | | * | | | | * | | | |
| Check drive shaft boots | | * | | | | * | | | |
| Check ball joints & drive shaft dust cover | | * | | | | * | | | |
| Check front & rear suspensions | | * | | | | * | | | |
| Electrical | | | | | | | | | |
| Check & top up battery water | | * | * | * | * | * | * | * | * |
| Check all lights | | * | * | * | * | * | * | * | * |
| Top up windscreen washer water | | * | * | * | * | * | * | * | * |

Filters Part Numbers

Oil Filter

Coopers - Z1326
 Unipart - GFE396
 Fram - PH5124
 Fram - PH5592
 Toyota - 90915 - 30003
 Toyota - 90915 - 30001
 Mann WP914/80
 Mahler OC286
 Ryco Z 335
 Wix WL 7174

Air Filter

K & N 33-2843 (Listed for RAV 4)
 As MR2 1991 on
 Toyota 17801-64060
 Coopers AG1086
 Wix WA6325

Fuel Filter

Mahle KC83
 Toyota - 2330364010
 Toyota - 2330364020
 Coopers Z954
 Ryco Z252
 Fram PH4922

Service Part Numbers

| | |
|----------------------------------|--------------|
| Air Cleaner | 17801-64060 |
| Belt-A/Con | 99364-20770 |
| Belt-Alt | 799366-80730 |
| Belt-St/Pump | 499364-80810 |
| Drain Plug Gasket | 90430-12031 |
| Front Pads | 04465-28080 |
| Front Pads- OPTIFIT | 04465-YZZAK |
| Fuel Filter | 23303-64010 |
| Oil Filter | 90915-30001 |
| Rear Shoes | BS2284 |
| Rear Shoes | 04495-28071 |
| Timing Belt | 13568-69066 |
| Wiper Blades F | 85214-28040 |
| Wiper Blades R | 85214-60020 |
| Anti-Roll Bush-Front | 48815-28061 |
| Bump-stop/Gaiter for Front Shock | 48304-28010 |
| Front Shocks-Gas | 28040 |
| Front Shocks-Gas/Sided | 48510-28040 |
| Front Strut Top | 48609-28010 |
| 2* Lower? Anti Skew Bar Bush | 90385-20001 |
| Front Ball-Joint | 43330-29235 |
| Lower? Anti Skew Bar Bush | 90386-20001 |
| N\S Drag Link A\Roll | 48810-28020 |
| O\S Drag Link A\Roll | 48820-28030 |
| Rear Arm | 48710-28100 |
| Rear Shocks-Gas | 48531-28390 |
| Front Brake Flexible Hoses | 90947-02720 |
| Exhaust Rear Mounting Rubbers | 17561-74110 |
| # Dip Beam Bulb | HB4-9006 |
| Door Switch Front ?/s | 84230-28060 |
| Door Switch Front ?/s | 84230-28050 |
| Interior Rear Fluorescent Light | 90981-11034 |
| Main Beam Bulb | HB3-9005 |

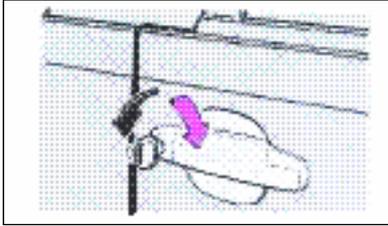


Fig.1

To lock or unlock the front doors, turn the key clockwise to lock and anti-clockwise to open. If central locking is fitted all doors will unlock/lock at the same time. (Fig.1)

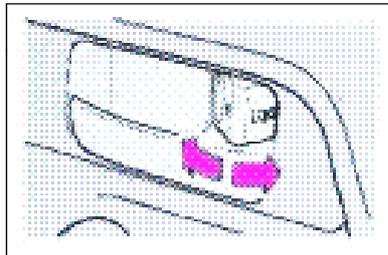


Fig.2

To lock or unlock the doors from the inside, push the button, near to the door handle, to the lock or unlock position (Fig.2)



Fig.3

To lock the doors from the outside without the key, push the locking button on the inside of the door whilst closing the door pull handle towards you. (Figs.3 & 4)



Fig.4

For the sliding door, push the lock button located inside of the door and slide shut. (Fig.5)



Fig.5

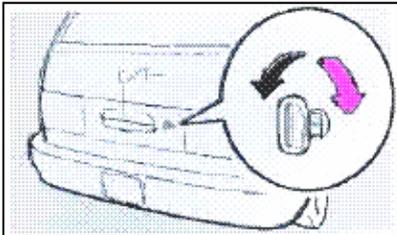


Fig.6

Rear Hatch, to lock the rear door, turn key clockwise, to open the rear door turn the key anti-clockwise (Fig.6)

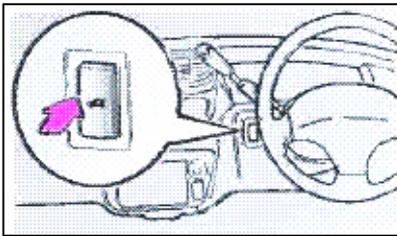


Fig.7

Fig.7 shows the **optional** rear door open button.

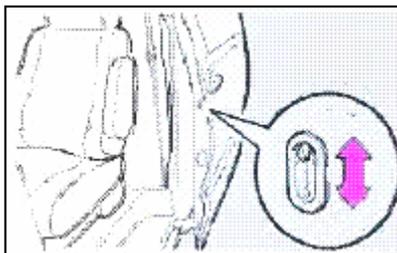


Fig.8

Child Locks: to activate the child locks on the sliding door, slide the lever (Fig.8). This prevents the sliding door being opened from the inside.

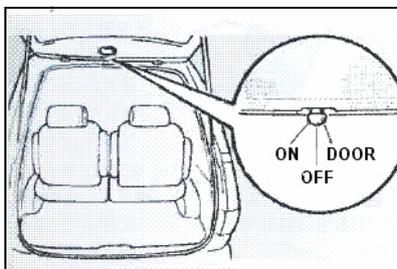


Fig.9

Boot Light operation: (Fig.9)

- On** - Constant Light all of the time
- OFF** - Light off all of the time
- DOOR** - Light when rear door is open

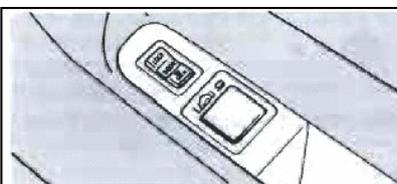


Fig.10

Central Locking (optional) (Fig.10)

Locking the drivers door will normally lock all of the other doors (except on **F** model) when only the side and rear doors will lock.

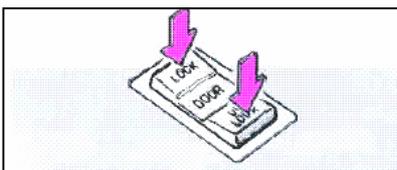


Fig.11

The lock and unlock button located in the drivers side door will lock or unlock **all** of the doors (Fig.11)

Electric Windows

Optional

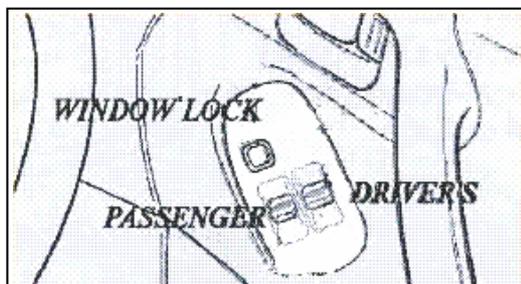


Fig.12

Drivers Side (Fig.12)

Fully open - Press switch fully down and release.

To a preferred point - press to first resistance point then release quickly.

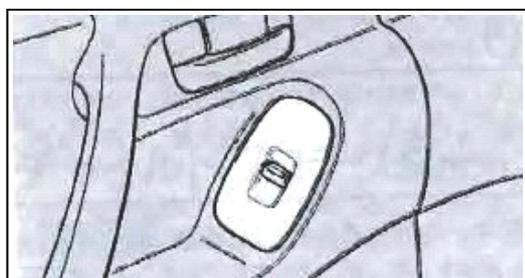


Fig.13

Passenger Side (Fig.13)

As per drivers side, but only has control of passenger window. Located on passengers door

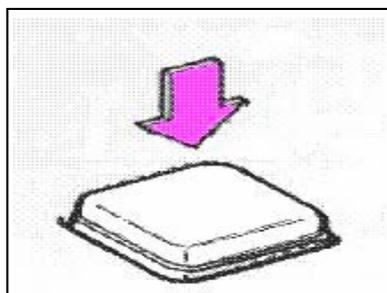


Fig.14

Window Lock Button (Fig.14)

Pressing this switch will lock all windows except the sunroof (if Fitted)

Pressing again releases all the locked windows. Located on drivers door.

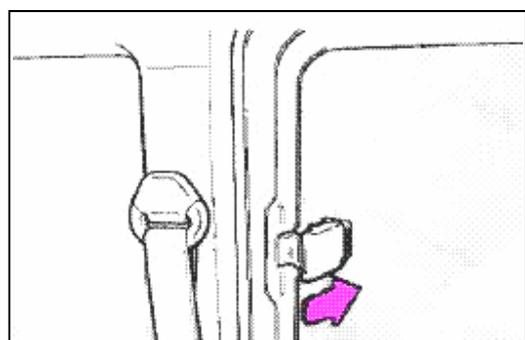


Fig.15

Rear Windows (Fig.15)

Pull the catch towards you and gently push the window out will open the rear windows

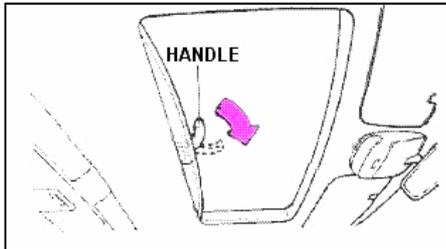


Fig.16

Front Sunroof:

This is the tilt type, pull the handle out and push up to open. Pull down and push handle back to close. (Fig.16)

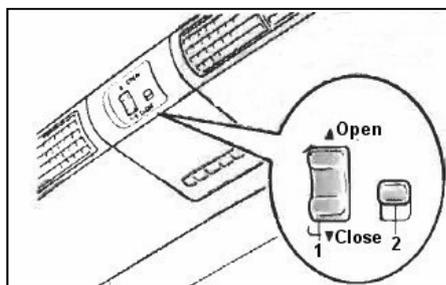


Fig.17

Rear Electric Sunroof:

This can only be operated when the ignition switch is in the **ON** setting.

To open: press and hold the open button.

To close: press and hold the No.2 button and close button **together**. (Fig.17)

Fuel Cap/ Bonnet Release

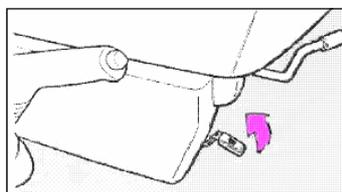


Fig.18

Fuel Flap:

The fuel flap release lever is located next to the hand brake, under the drivers seat. (Fig.18)

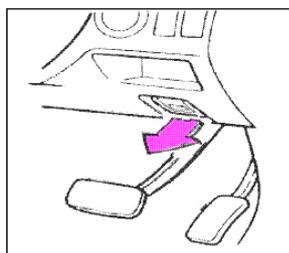


Fig.19

Bonnet Release:

This is located above the pedals on the lower side of the dash to the right hand side of the steering wheel. Pull the lever to release the bonnet catch. (Fig.19)

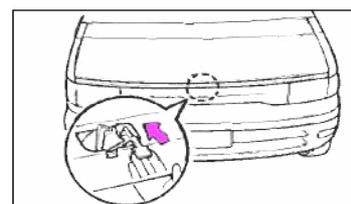


Fig.20

To open the bonnet, locate the catch in the middle (Fig.20), pull towards you to release, raise bonnet and secure open with stay.

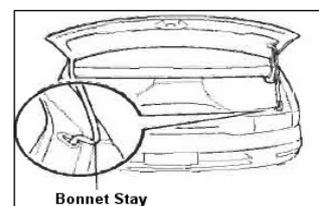


Fig.21

Engine Covers

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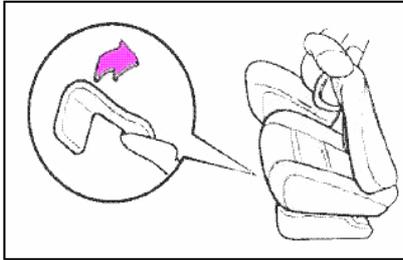


Fig.22

To Access Cover:

- Move the passenger seat fully forward
- Fold seat forward (Fig.22)
- Lift and release lever under seat. (Fig.22)
- Fold whole seat backwards.
- This will expose the inspection cover, under the carpet.

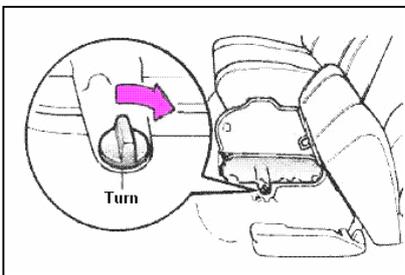


Fig.23

To Open Cover:

- Turn the knob to open the cover (Fig.23)
- When the inspection is complete, fully secure the cover and replace carpet .
- Return the seat to its original position.

Front Seats

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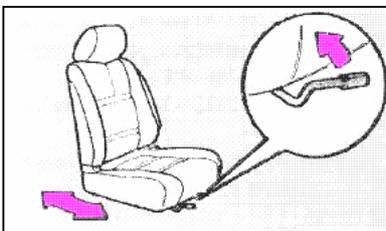


Fig.24

Forward and backward adjustment

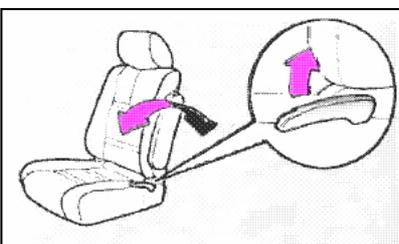


Fig.25

Reclining adjustment

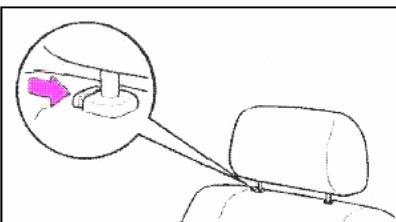


Fig.26

Headrest adjustment

- Push button and pull/push to adjust.
- The headrest is **not** locked until it clicks into position

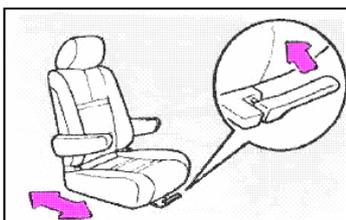


Fig.27

Forward and backward movement. (Fig.27)

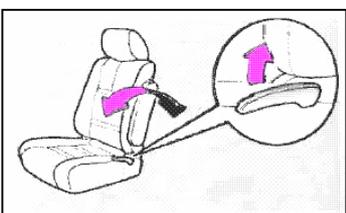


Fig.28

Reclining adjustment. (Fig.28)

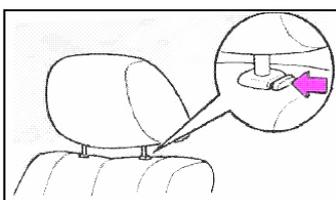


Fig.29

Figs.29 & 30
Headrest adjustment

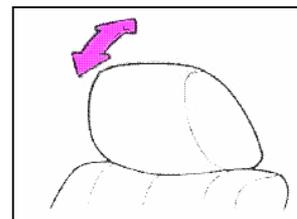


Fig.30

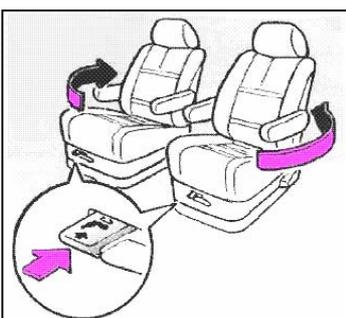


Fig.31

Adjustment for rotation of middle seats.
(Fig.31)

CAUTION

Do **NOT** adjust seats whilst vehicle is moving

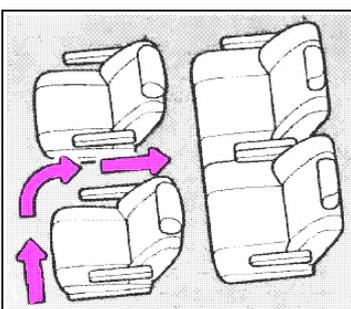


Fig.32

When using the last row of seats, access is

Rotating Seats

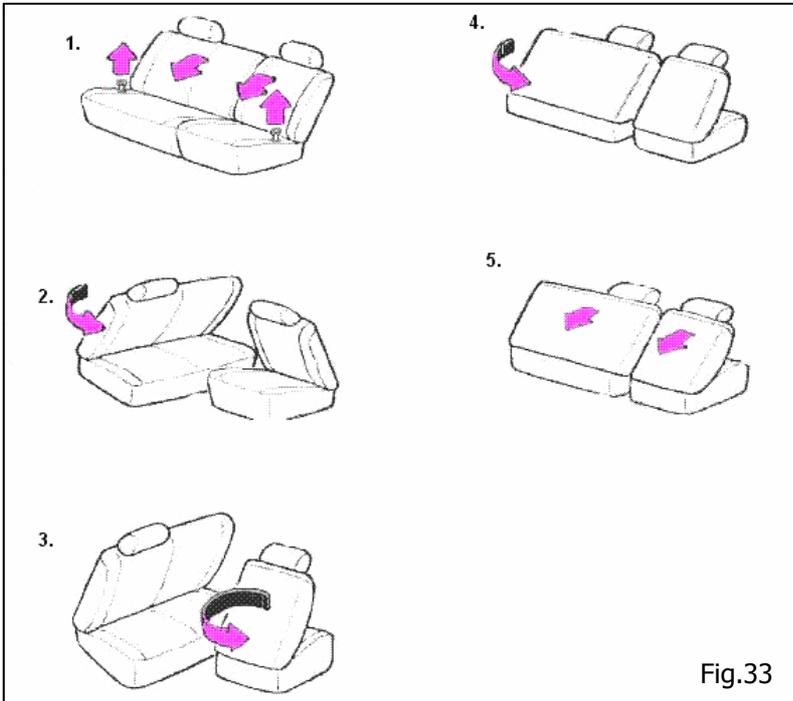


Fig.33

Rotating Seats

(Follow diagrams Fig.33)

1. Pull the adjuster belts to collapse the back seats.
2. Turn the 2 seater.
3. Turn the single seater
4. Turn the 2 seater the rest of the way
5. Put seats back into seating position

Loading Area

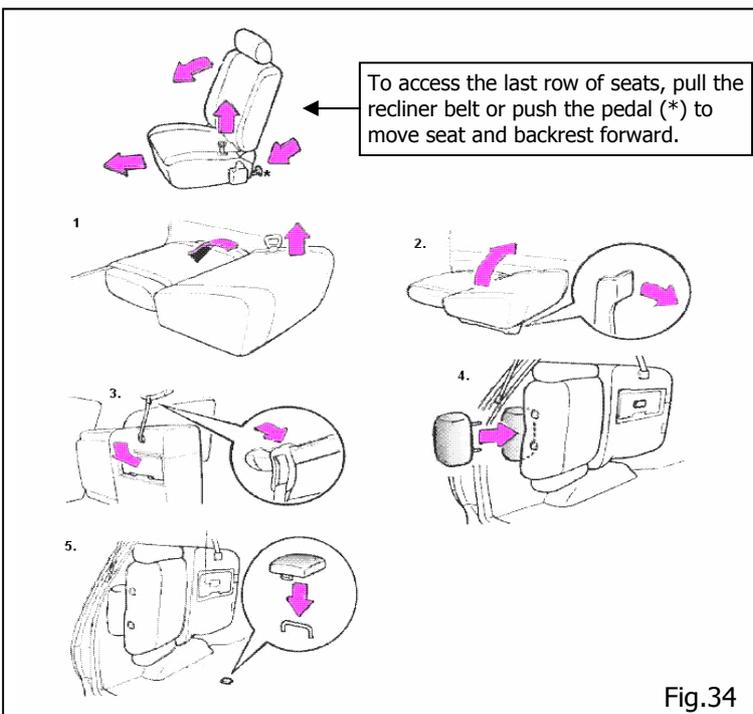


Fig.34

To fold last row of seats to make large loading Area.

Remove headrests.

Follow diagrams in Fig.34

1. Recline seat as far as possible.
2. Pull lever under seat to lift seat towards window.
3. Attach support strap over grab handle above window.
4. Store headrest
5. To cover seat hook on floor, remove seat hook cover from under seat.

Flattening Seats

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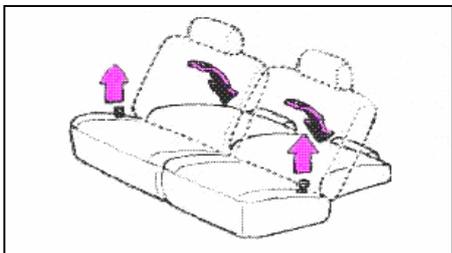


Fig.35

Recline the last row of seats

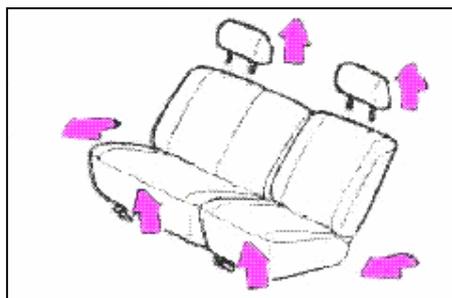


Fig.36

Remove the headrests from the middle seats

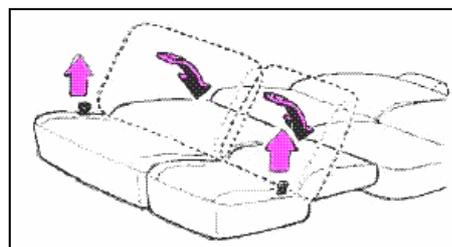


Fig.37

Lay middle seats fully back

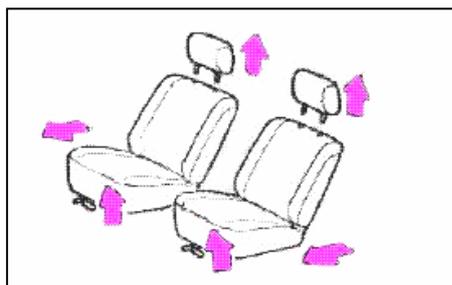


Fig.38

Remove front seats headrest and move seats fully forward

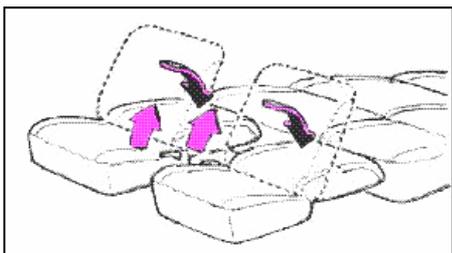


Fig.39

Lay front seats fully back

Tilt Steering

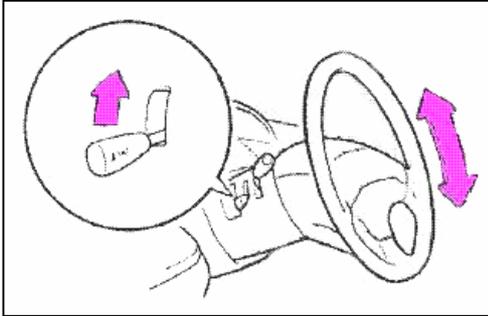


Fig.40

The tilt lever is located to the left of the steering wheel.

- Pull the lever down
- Position the height.
- Push lever back to lock into position

Do **NOT** adjust whilst driving

Mirrors

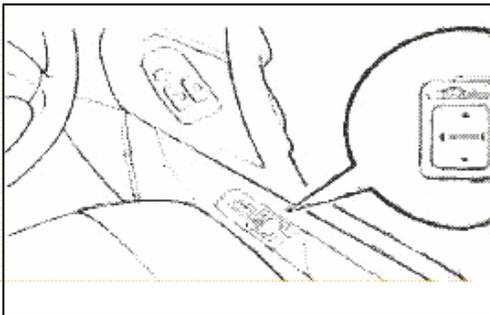


Fig.41

The Electric Door Mirror (Optional) Fig.41

- Turn ignition to ACC or ON position
- Select right or left wing mirror on switch
- Use buttons to adjust position
- Return switch to middle position when completed

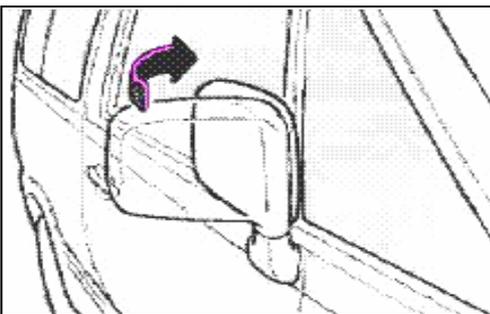


Fig.42

Fold in non-electric mirror retractors by hand

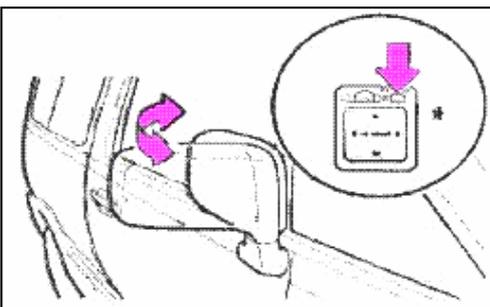


Fig.43

Electric Mirror Retractors (Optional) Fig.43

- Turn ignition to ACC or ON
- Press * to retract mirrors.
- Press * to open mirrors

Dashboard Display

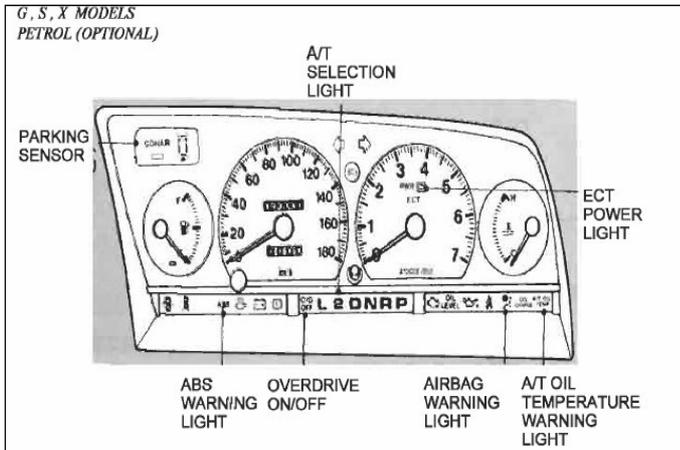


Fig.44

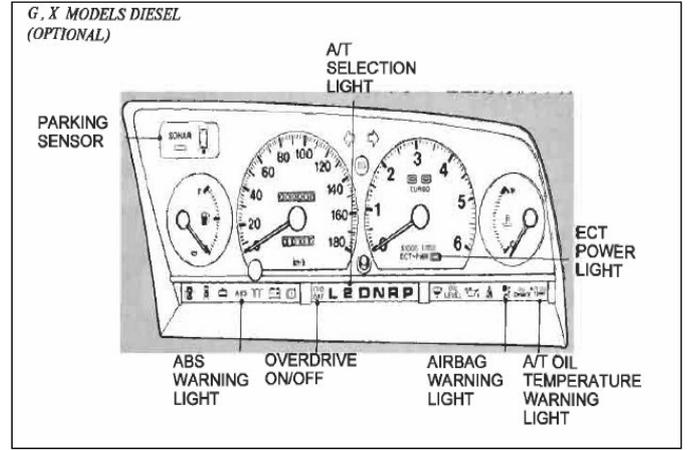


Fig.45

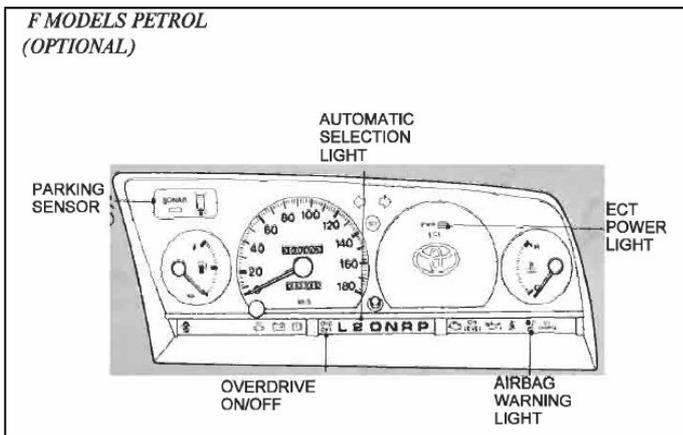


Fig.46

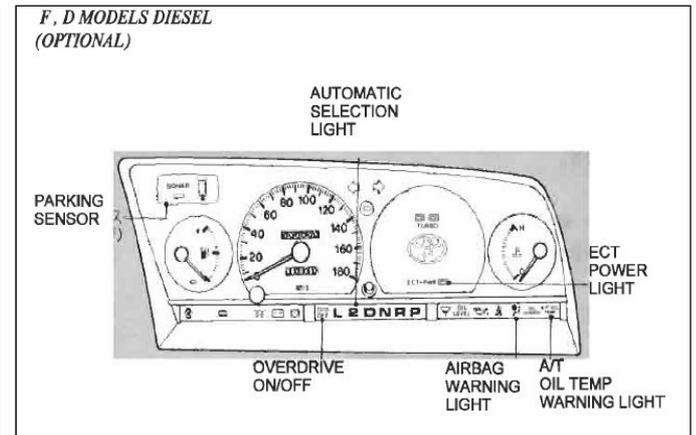


Fig.47

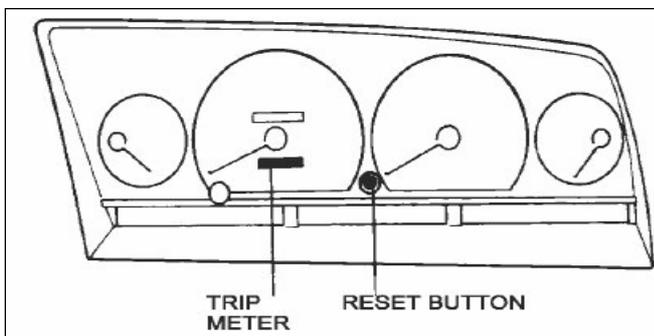


Fig.48

Speedometer displays vehicle speed.
Rev. Counter is optional
Odometer displays vehicle mileage
Trip meter shows total mileage since last reset

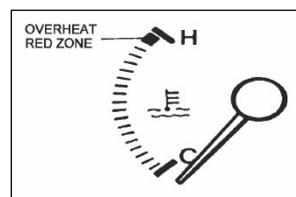


Fig.49

Water Temperature
(Fig.49)
Display shows coolant temp.

If in **RED** zone **STOP**

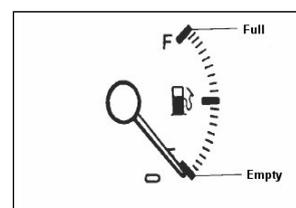


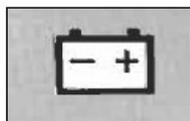
Fig.50

Fuel Gauge
(Fig.50)

Warning Lights



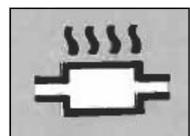
All warning lights will appear when the ignition is first switched on. However they should go out shortly after. If lights remain on/appear when driving there may be a fault



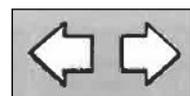
Battery Light, this light will appear when there is a problem with the battery/charging circuit. If light appears whilst driving it may indicate a broken fan belt or faulty wiring.
Stop immediately and investigate



Oil Pressure Light, If this light appears it indicates that oil pressure is low (It does not indicate engine oil level).
Stop immediately and investigate



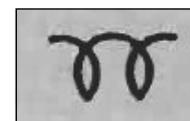
Exhaust Temperature Light, (Petrol), If this is accompanied by the battery warning light, the internal temperature of the catalytic converter is above normal.
Stop the vehicle immediately and rest the engine for 10 minutes, if light goes out after restarting it is safe to continue - if not seek advice.



Indicator Lights, Will flash when indicators are operated. All lights will flash when using hazard warning lights.



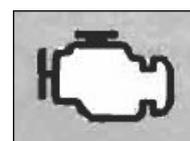
Full Beam Warning, will be illuminated when full beam is on.



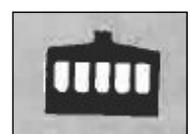
Diesel Pre-Heat Indicator Light, When the ignition is first switched on this light will be lit. When the glow plugs have reached their pre-heat temperature, the light will go out. The engine can now be started.



Oil Level Light, Will light when the engine oil level is low (check immediately). In **diesel** engines, it will flash when level is too high and may indicate a problem with the system.
Stop immediately and investigate



Engine Light, This indicates a fault with the vehicles electrical system/engine.
Stop immediately and investigate
If a turbo diesel engine keep revs under 2000 rpm.



Radiator Level, This indicates that the coolant level in the secondary radiator tank is low.
Check levels immediately



Fuel Water Indicator, This indicates that the fuel water filter is full of water. Empty as soon as possible. If you continue driving when lit, there is a danger of damage to the fuel injectors. If this light and the battery light are lit together, it indicates a charging problem, not a water filter problem

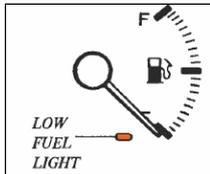
Warning Lights (Cont.)



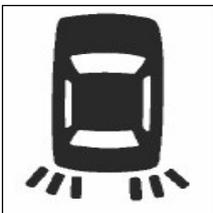
Brake Warning Light, This appears when the brake fluid is low or if there is a fault with the brake booster system (**Diesel** Only). It will also indicate that the hand brake is on.



Oil Change Due Light, This indicates when the engine oil should be changed. It will have to be reset after an oil change. The reset button is on the dashboard, located near to the trip meter reset button. Remove the rubber grommet and depress the button with a slim screwdriver. Replace the grommet.



Low Fuel Light, If this light is lit, there is **approximately** 10 litres of fuel left in the tank.



Blown Light Bulb Indicator (optional), This indicates a tail or brake light bulb has blown. If lit when the lights are on, it shows that a tail light has blown. If lit when the brake pedal is pressed it indicates a brake light bulb has blown.



Door Open Warning Light, if lit indicates that a door is open or not shut properly



Seat Belt Warning Light, put your seat belt on, it will stay lit until the driver belts up.

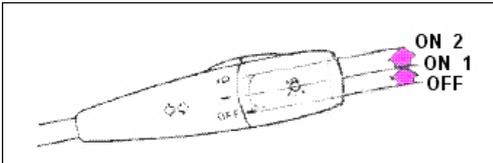


Fig.51

Light Switch Lever (Fig.51) Right-hand stalk.

ON 1 - Headlights off, side/number plate/dash lights on.
ON 2 - Headlights on, side/number plate/dash lights on.
OFF - All lights are off.

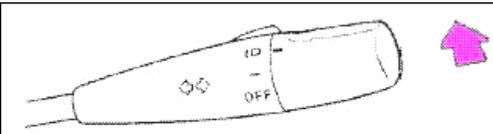


Fig.52

Full Beam, (Fig.52) Right-hand stalk

Full beam is activated by pushing the stalk forward.

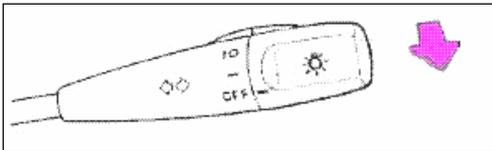


Fig.53

Headlight Flashers, (Fig.53) Right-hand stalk

To flash the headlights, briefly pull the stalk towards you and release.

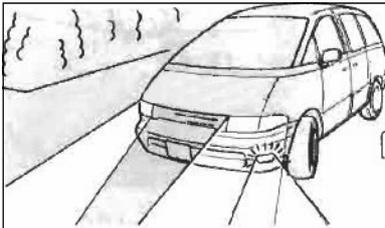


Fig.54

Cornering Lights, (Fig.54) Optional.

When the headlights are on and you are using the indicators, a further light is lit (cornering light), to illuminate the road in the direction that you are turning. The light automatically goes off when the indicator goes off.

Front Light Button (optional)

Only works when the headlights are on. For location see Fig.55

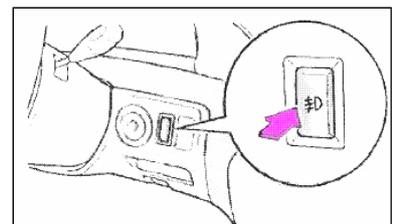


Fig.55

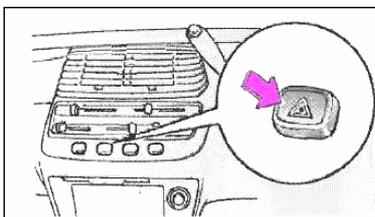


Fig.56

Hazard Lights (S,X,F,D Models)

Pressing the switch will activate the hazard warning lights. (Fig.56)

Hazard Lights (G Model)

Pressing the switch will activate the hazard warning lights. (Fig.57)

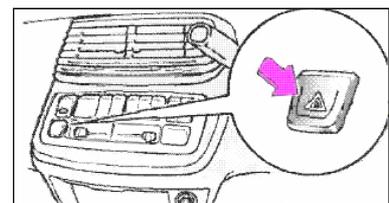


Fig.57

Wipers & Washers

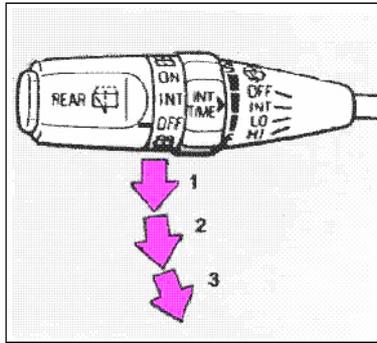


Fig.58

Front Wipers (Fig58)

- Stalk Position:
1. Twist down - Intermittent
 2. Twist down - Slow speed
 3. Twist down - Fast Speed

In intermittent setting, the wipe intervals can be set from 3 -12 seconds by adjusting the 'Int Time' control.

To use the front washers, pull the stalk towards you.

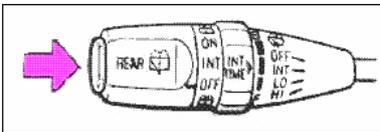


Fig.59

Front Washer Jets

The front window spray is operated by pressing the button at the end of the stalk (Fig. 59)

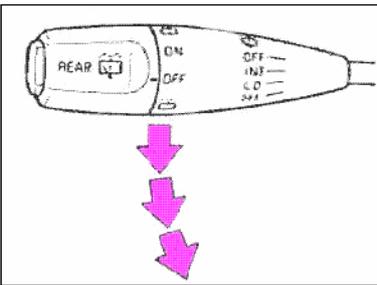


Fig.60

Without Intermittent Wipe (Fig.60)

Wiper stalk without intermittent setting, its operation is the same as above.

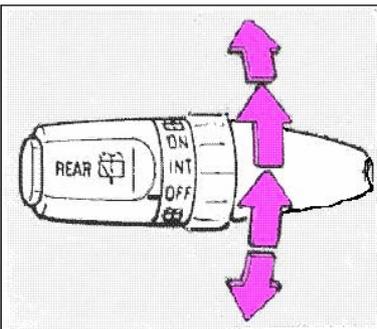


Fig.61

Rear Wipers (Fig.61)

- Twist Stalk Position:
- OFF - Off
 - INT - Intermittent
 - ON - On

Twist fully up or down for rear washer jets

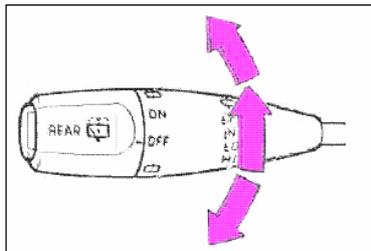


Fig.62

Without Intermittent Wipe (Fig.62)

As above instructions

Heated Rear Window

TOYOTA

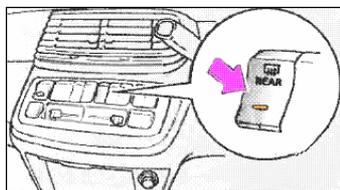


Fig.63

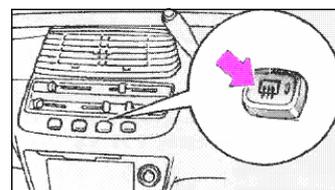


Fig.64

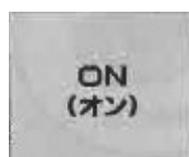
Heated Rear Screen (G model) Fig.63
 Heated Rear Screen (X,F models) Fig.64
 Press button to heat the rear window

Starting & Stopping

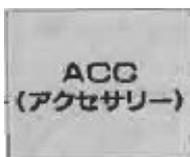
TOYOTA



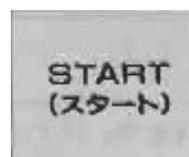
Lock:
 In this position the steering lock is engaged, unless the key is inserted



ON:
 After starting the engine this is the rest position for the key



ACC:
 All accessories will be operational with the key in this position



START:
 Only use this position to start the engine, key will then rest in the ON position.

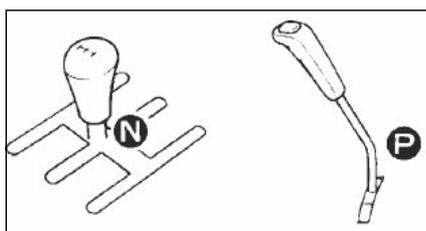


Fig.64

Before starting your vehicle (Fig.64)

- Ensure that the vehicle is in **NEUTRAL** gear for manuals.
- Or **PARK** for automatics

Pre-Heat Diesel Indicator Light (Fig.65)

When ignition is first turned on, this will be lit. It will go out once the pre-heat temperature is reached. The engine is now warm enough to be

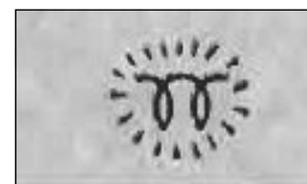


Fig.65

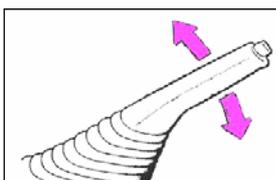


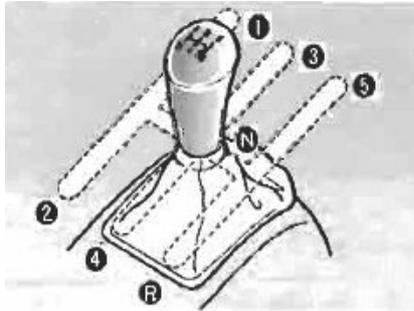
Fig.66

Hand Brake (Fig.66)
 Pull hand brake up to lock in parking position.
 To release hand brake - Lift slightly upwards and press button then push down.

Manual Gearbox



Fig.67



Depress clutch pedal before changing gear.

Please Note: You cannot change from 5th gear to reverse, without first placing the gears in neutral

Maximum Speed for each gear in Km/H (MPH)

| Gear | Engine Type | |
|------|-------------|----------|
| | 2TZ - FE | 3C - T |
| 1 | 35 (22) | 25 (16) |
| 2 | 65 (40) | 50 (31) |
| 3 | 95 (59) | 80 (50) |
| 4 | 135 (84) | 110 (68) |

Automatic Gearbox

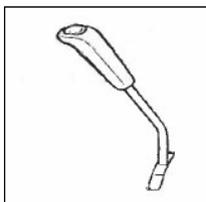


Fig.68

Automatic Gear Selector Arm

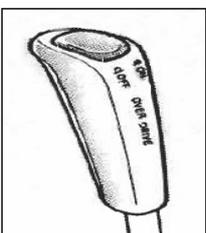


Fig.69

Overdrive Switch (Fig.69)

Activating the switch (depressing the button) will engage a high ratio gear. In 'D' this will improve fuel consumption and quieten engine noise. An indicator light, shown in Fig.70 shows when overdrive is selected.

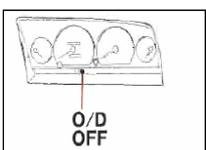


Fig.70

Overdrive Selection Light (on/off)

Automatic Gearbox (Cont.)



Automatic Transmission Gear Speeds in Km/H (MPH)

| Gear | Engine Type | |
|----------|-------------|---------|
| | 2TZ-FE | 3C-T |
| L | 50 (31) | 35 (22) |
| 2 | 85 (53) | 65 (40) |

Dashboard Gear Selector Warning Lights



PARK

Put the selector in this position when parking or starting. To remove the key from the ignition the selector must be in this position.



REVERSE

Select this gear position to reverse. A buzzer will sound when correctly selected.



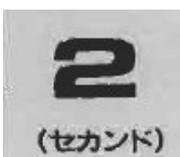
NEUTRAL

The vehicle may be started in this position. Its main use is when the vehicle is stationary but not parked.



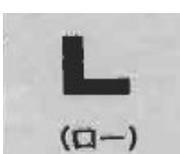
DRIVE

This gear is used for standard driving. In this position pressing the accelerator will move the vehicle forward through the gears 1-4 and the 4-1 depending upon speed/power desired



SECOND

Select this gear when travelling up or down high gradient hills, as it has stronger engine braking.



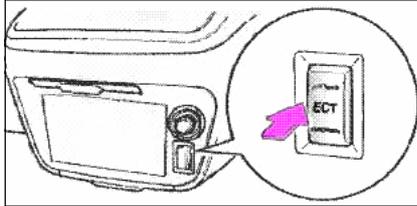
LOW

Select this gear when travelling up or down extremely high gradient hills as it has the strongest engine braking. Do not exceed the speed recommendations for this gear.

ECT Power (optional)



Fig.71



ECT Switch (Fig.71)

Pressing this switch puts the gearbox into sports mode. The automatic gearbox will only change up just below the red line on the rev counter.

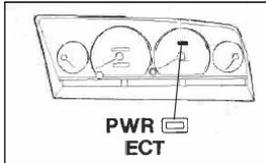
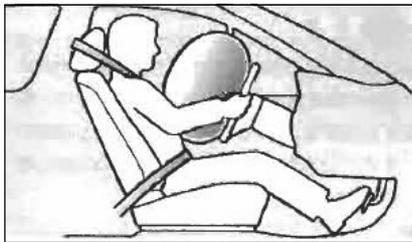


Fig.72

Fig.72 shows the position of the ECT warning light. It could also be below the centre of the rev counter needle (not shown here)

SRS Airbags (optional)



Airbags

Airbags are fitted to reduce the injury from a sudden impact to the front of the vehicle. There are no options to switch the airbags off. Once they have been activated they cannot be reused and will have to be replaced by your nearest Toyota Service Centre.

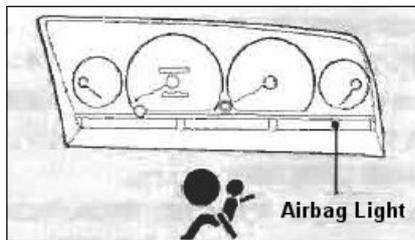


Fig.73

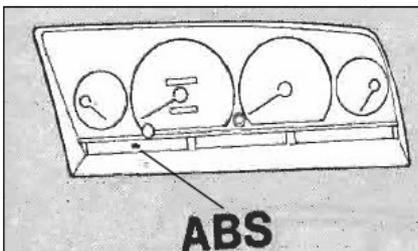
Airbag Warning Light (Fig.73)

When the ignition is first switched on the airbag light will be lit for a few seconds, if the light stays lit or doesn't come on at all, there might be a problem. Contact your nearest Toyota Service Centre.

ABS Braking (optional)



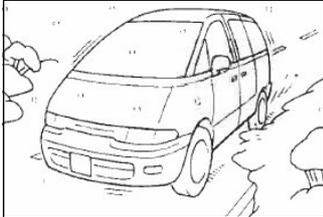
Fig.74



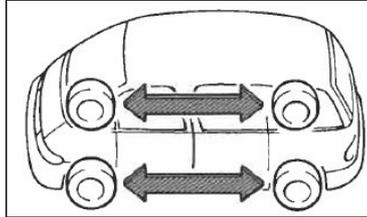
Anti-Lock Braking System (ABS)

This prevents the wheels from locking during heavy braking. When the ignition is first switched on the ABS warning light (Fig.74) will be lit for a few seconds. If it stays lit during normal driving conditions, there is a problem with the system. Contact your nearest Toyota Service Centre

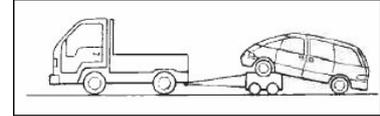
Permanent 4WD (optional)



With 4WD a vehicle has improved performance when cornering and driving in snowy/wet roads. It is not designed for off-road use.



All tyres must be of identical size and type to use the 4WD System. To maintain the performance rotate the tyres every 3000 miles.



Emergency Towing

As below:

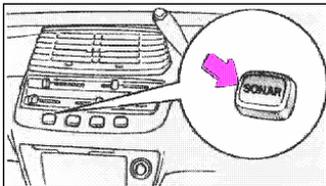
When towing with the front or rear wheels lifted, allow the lifted wheels to rotate freely. If the problem is suspected to be with the drive mechanism, all 4 wheels must be lifted off the ground.

Parking Sensors (optional)



Switch Location

X,F models



G models

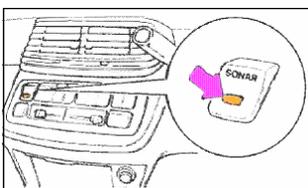


Fig.75 shows the location of the sonar screen

Fig.75

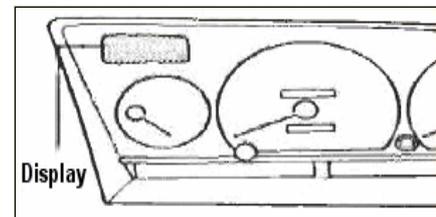


Fig.76 shows the detail of the sonar screen

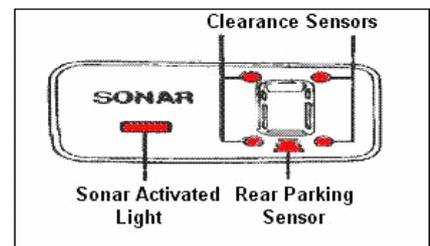


Fig.76

Parking/Clearance Sensors.

Located in the front & rear bumpers. Their sensitivity will be affected in extremely hot/cold weather, or if the sensors become dirty. The rear sensors operate when approx. 2m away from an object, the front sensors will operate from approx. 50cm away from an object.

Parking Sensors (Cont.)



The reverse parking sensor will only work when the vehicle is in reverse and not if the vehicle is travelling over 10 Km/H

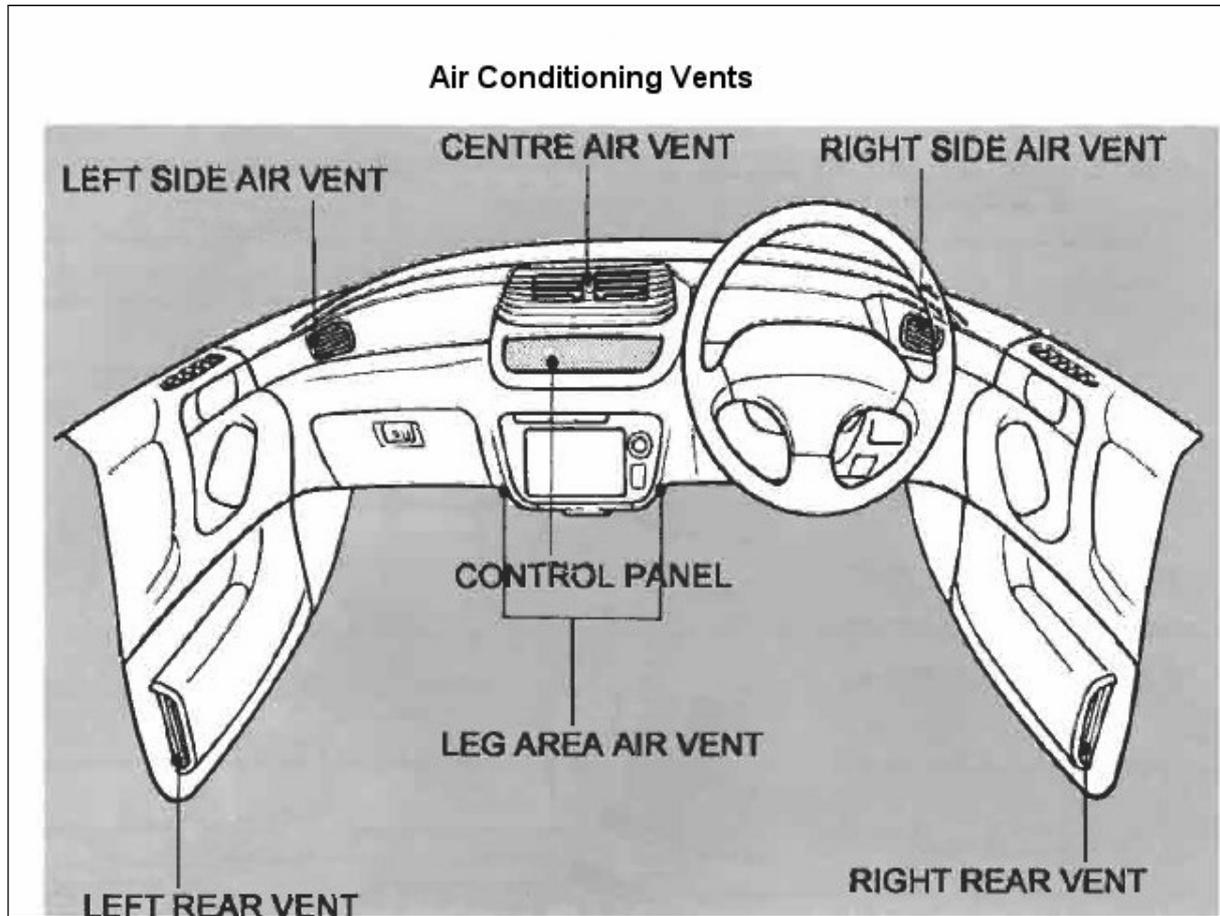
| Reverse Parking Sensors | | | |
|-------------------------|---------------------|-----------|----------------|
| Distance to Object | 2 - 1m | 1 - 0.5m | 0.5 - 0m |
| | | | |
| | | | |
| Beeper Sound | Slow Continual Beep | Fast Beep | Continual Beep |

| Clearance Sensors | | | |
|--------------------|-----------|-------------------|----------------|
| Distance to object | Over 50cm | Between 50 - 20cm | Under 20cm |
| | | | |
| | | | |
| Beeper Sound | No Beep | Fast Beep | Continual Beep |

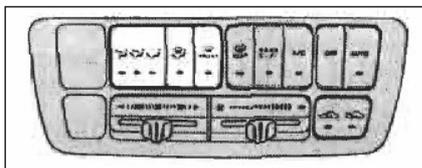
Air Conditioning Vents



There are variations depending upon model of vehicle, but general operation is similar.

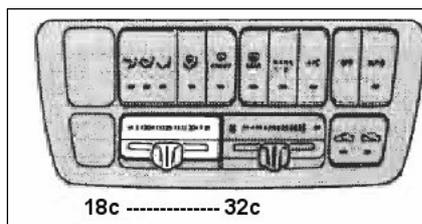


Air Flow Direction & Control



Air Flow Control Panel (optional)

Fig.77

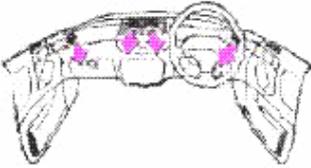
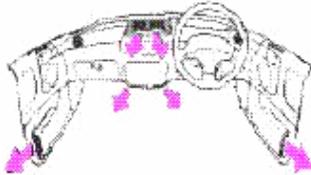
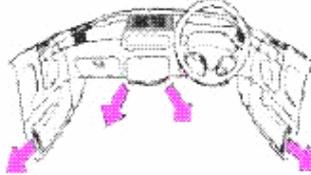


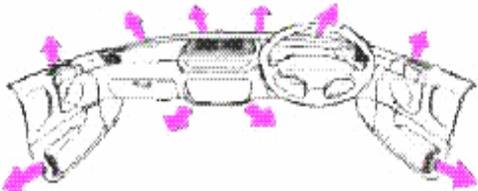
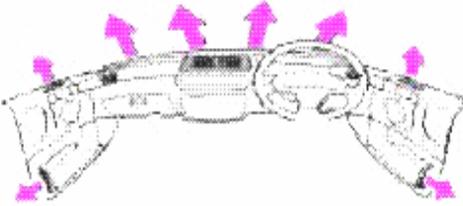
Temperature Adjuster Lever (approx. 18c to 32c)

Fig.78

Air Flow Direction & Control

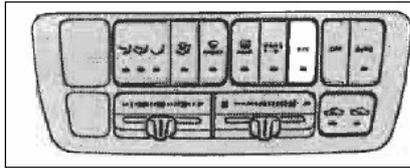


| <i>UPPER BODY AREA FLOW</i> | <i>LEG/UPPER BODY AREA FLOW</i> | <i>LEG AREA FLOW</i> |
|---|---|---|
|  |  |  |
|  |  |  |

| <i>LEG AREA, WINDSCREEN FLOW</i> | <i>WINDSCREEN AIR FLOW (DE-FOGGER)</i> |
|---|---|
|  |  |
|  |  |

There are variations depending upon model of vehicle, but general operation is similar.

Air Flow Direction & Control

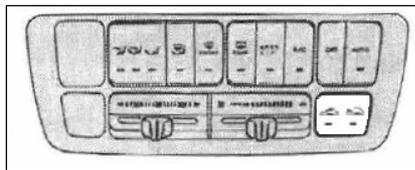


A/C (Fig.79)

Air conditioning switch, activate for cooling or dehumidifying.

Note: When the outside temperature is below freezing this option will not function.

Fig.79

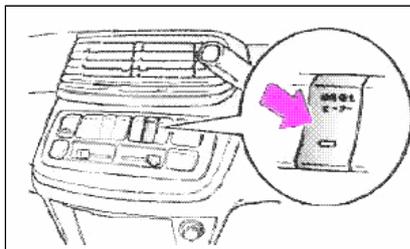


Fresh Air Switch



Recycled Air Switch

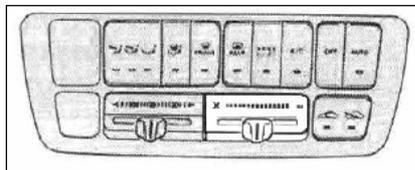
Fig.80



Rear Heat Priority (Fig.81)

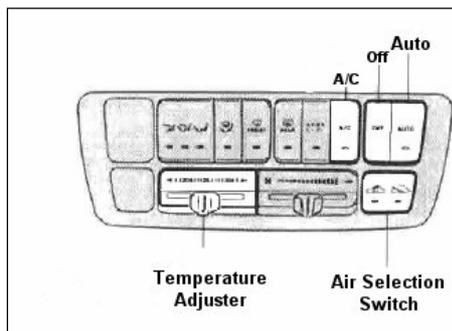
When operated with the following settings : (Upper body, Leg/ Upper body or Leg area/Windscreen) The airflow to the rear seats is increased.

Fig.81



Fan speed adjuster

Fig.82



Climate Control Operation (Fig.84)

- Press auto switch
- Press A/C switch for cooling
- Set temperature with temp. adjuster.

Temperature will be maintained at set temp.

Fig.83

There are variations depending upon model of vehicle, but general operation is similar.

Rear Cooler Control

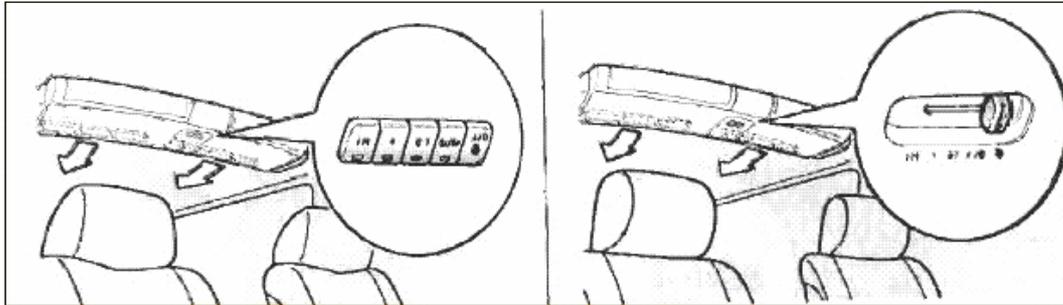


Fig.84a

Fig.84b

OFF - Off
 AUTO - Automatic adjusting (temperature dependent)
 LOW - Low speed. : - Middle speed. HI - Fast speed

Push Button Version (optional) Fig.84a

Press the auto switch in conjunction with the A/C switch (Panel on dash) to start rear cooling. Pressing the auto switch will automatically adjust the rear fan speed. When A/C switch is off, rear cooling will revert to standard air flow (not air conditioned).

Slider Version (optional) Fig.84b)

When A/C is switched off, rear cooler will revert to standard air flow (not air conditioned)

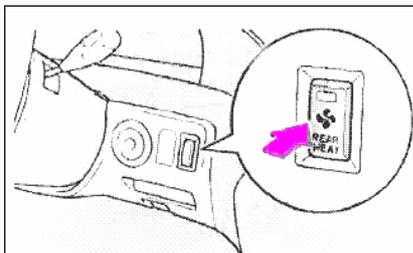


Fig.85

Rear Heater (optional) Fig.85

Activating this switch (Lit when on) activates the rear heater.

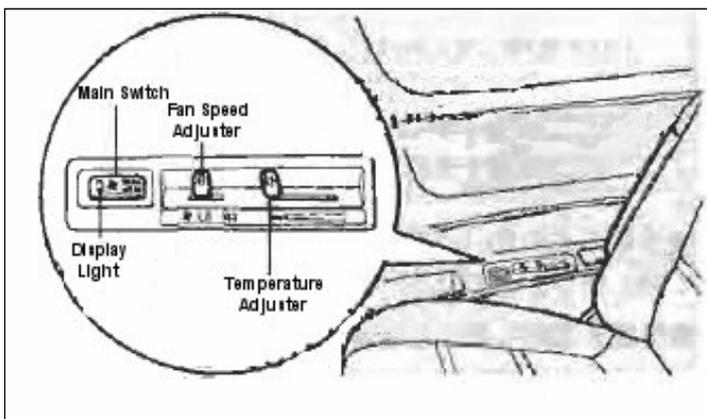


Fig.86

Rear passengers heater controls

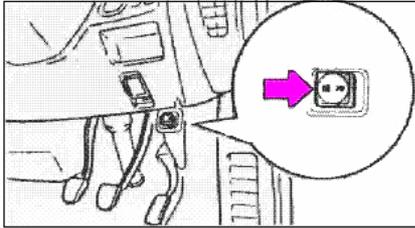


Fig.87

Engine Warming Switch Diesel Engines cold conditions
 When activated the engine water temperature is increased while the vehicle is warming up or idling.

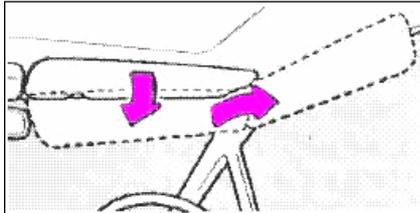


Fig.88

Sun Visor
 As in Fig.88 the sun visor can be flipped down or twisted around to block sun light.

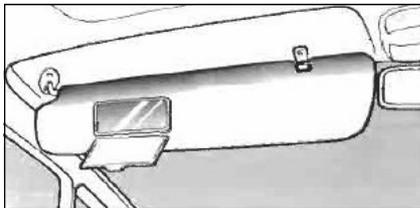


Fig.89

Vanity Mirror (optional)
 There may be a vanity mirror fitted to the passenger sun visor

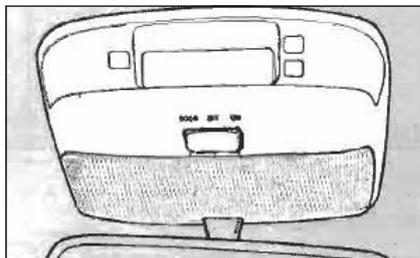


Fig.90

Front Interior Light (optional) Figs.90 & 91
 DOOR - Light operates when door is open.
 ON - Light continuously on.
 OFF - Light continuously off.

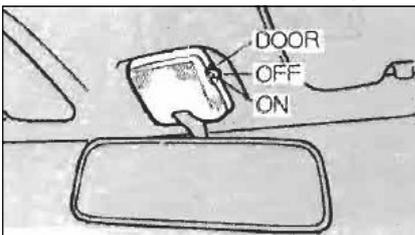


Fig.91

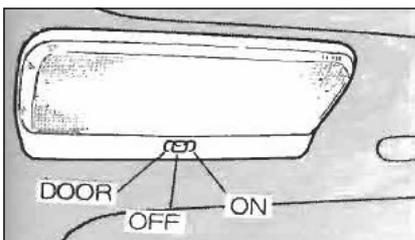
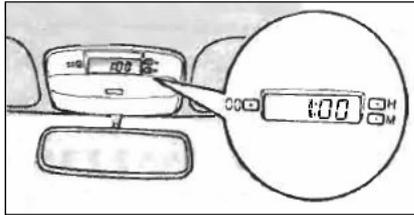


Fig.92

Rear Interior Light (Optional)

Activation as Front interior light.



Clock

The clock will be displayed when the ignition is in the ACC or ON position

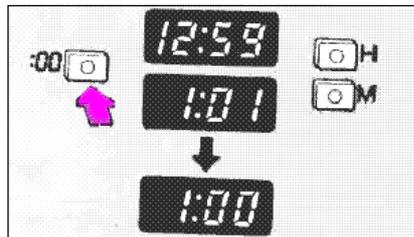


Fig.93

Clock Set (Fig.93)

To set/reset the clock:

- Press and hold the 'H' button to increase hours and the same for 'M' minutes
- Pressing the 00 button will reset to the hour before if the minutes are between (0-29), (30-59) will go to the next hour.

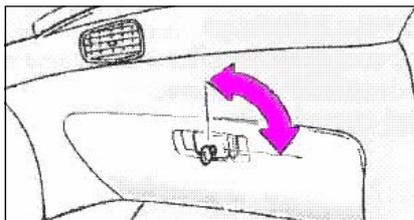


Fig.94

Glove Box Lock (optional)

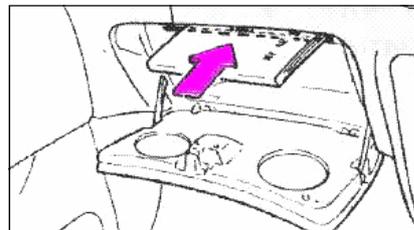


Fig.95

Glove Box Cup Holder (see Fig.95)

Lowering the glove box door, gives you a moulded surface for holding cups.

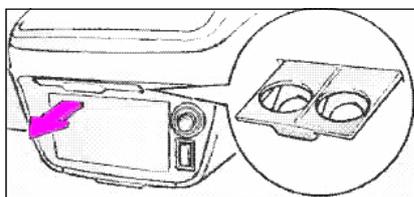


Fig.96

Cup Holder Console (Fig.96)

By pulling out the holder from above the radio gives you extra storage for cups.

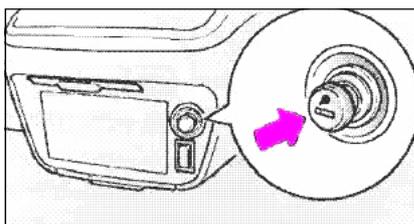


Fig.97

Cigarette Lighter (Fig.96)

Only operates when the ignition is in ACC or ON position. Push the lighter in to heat, when ready the lighter will slightly pop out, the pull to remove.

Ashtrays

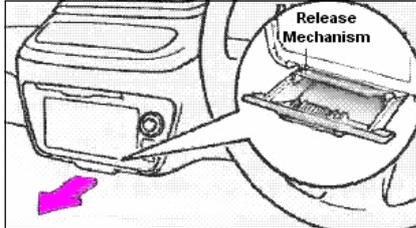


Fig.98

Front Ashtray (Fig.98)

To release the ashtray pull slowly towards you whilst pushing down the release mechanism inside the astray.

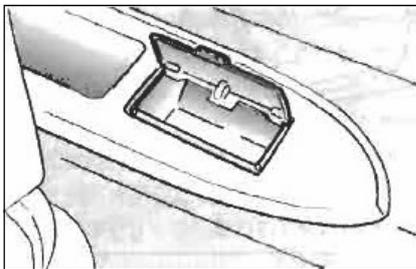


Fig.99

Rear Astray (fig.99)

Pull up ashtray to remove

Hot & Cool Box

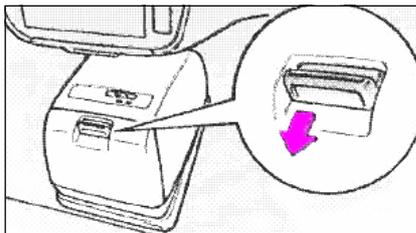


Fig.100

Hot/Cool Box (Fig.100)

To open, pull the lever down.

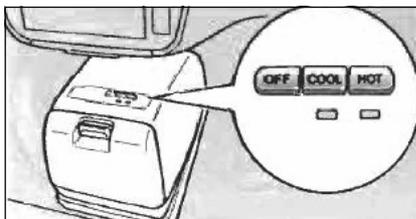


Fig.101

Select hot or cool options with the option buttons. The unit can be used regardless of air conditioning settings.

Note: Leave the unit in the **OFF** position when not in use, only use when the engine is running to prevent the battery draining. The unit will only cool when the ambient outside temperature is above freezing point.

Electric Curtains (optional)



Curtain Control (Fig.102)



Fig.102

Left Button - Side curtains
Right button - Back curtains

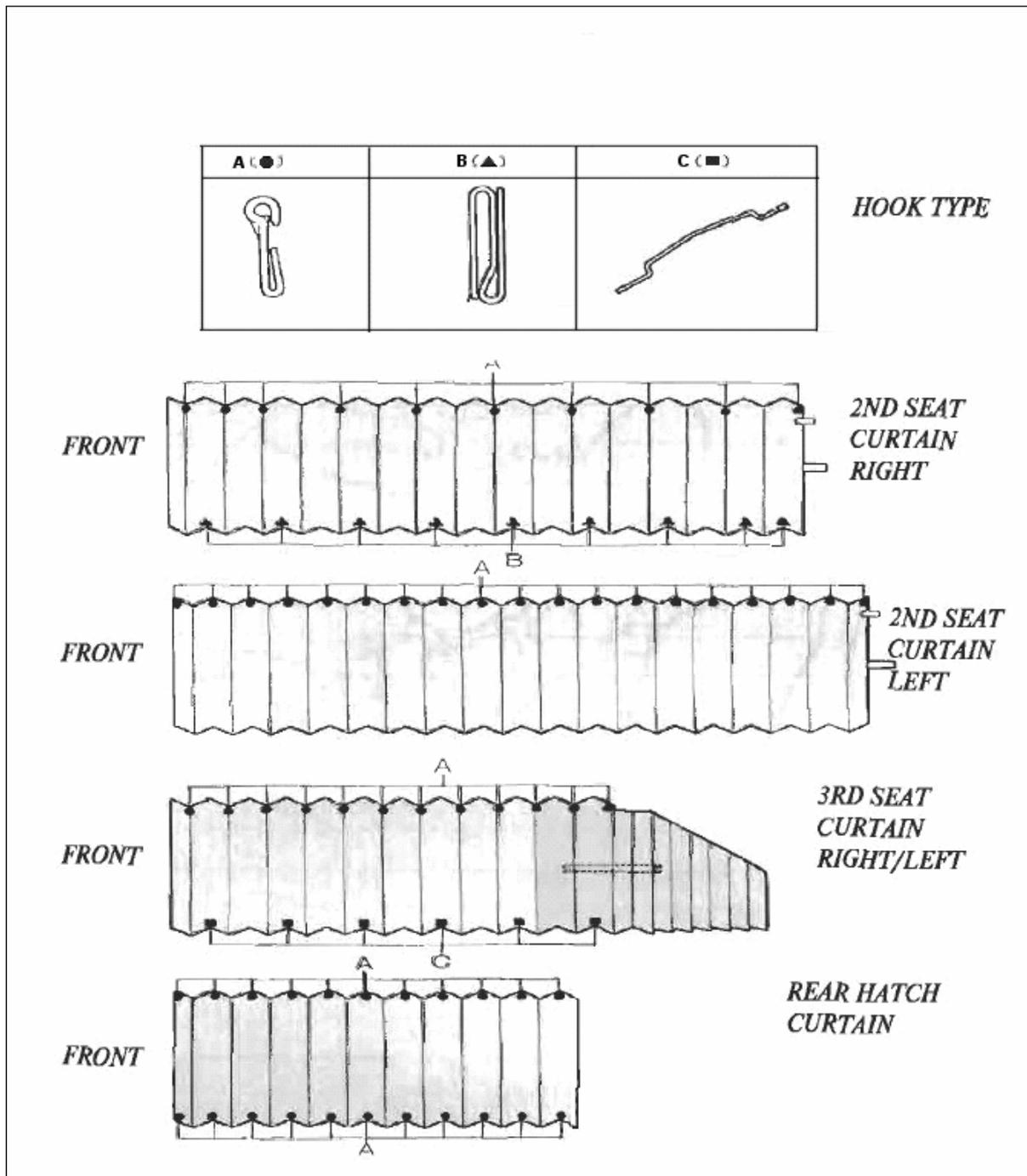
Ignition must be in ACC or ON position. Only operate when engine is running to prevent the battery from flattening.
Note: Before operating electric curtains ensure that each curtain is free to move (release all tiebacks and clips). Ensure that the third row of seats are not in the fold up position.

| <i>REMOVING CURTAINS</i> | | |
|---|---|---|
| <i>2ND & 3RD ROW SEATS AND REAR HATCH TOP CONNECTIONS</i> | <i>2ND ROW SEATS RIGHT CURTAIN BOTTOM CONNECTIONS</i> | <i>3RD ROW SEATS RIGHT/LEFT CURTAINS BOTTOM CONNECTIONS</i> |
| | | |
| <i>2ND & 3RD ROW SEATS AND REAR HATCH TOP CONNECTIONS</i> | <i>2ND ROW SEATS RIGHT CURTAIN BOTTOM CONNECTIONS</i> | <i>3RD ROW SEATS RIGHT/LEFT CURTAINS BOTTOM CONNECTIONS</i> |
| | | |
| <p>1 - REMOVE THE HOLDING HOOK, WHICH IS RETAINING THE CURTAIN. 2 - REMOVE THE CURTAIN FROM RAIL (TOP SIDE FIRST THEN BOTTOM) 3 - REMOVE ALL HOOK BEFORE WASHING (DRY CLEAN ONLY OR HAND WASH WITH WARM WATER)</p> | | |

Electric Curtains (optional)

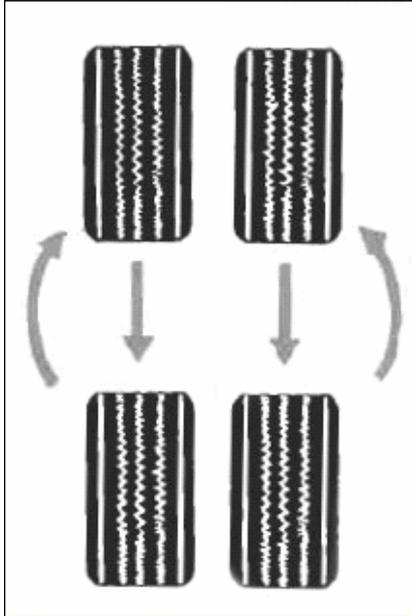


Curtain Layout



Tyre Rotation

Fig.103



To spread the wear of your tyres, it is recommended that you rotate them approx. every 3000 miles. If the spare tyre is of the same size, tread and make of the other tyres, it is also recommended that you use this tyre in the rotation. (Fig.103)

Check for uneven or abnormal wear as this can be caused principally by incorrect tyre pressures.

Spare Tyre

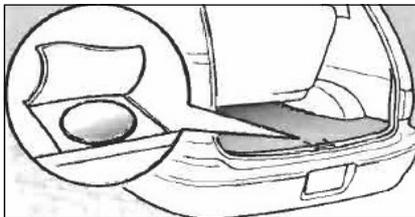


Fig.104

Removal (Fig.104)

1. Roll up the carpet above the spare wheel carrier. For vehicles with the easy close mechanism - remove the cap.

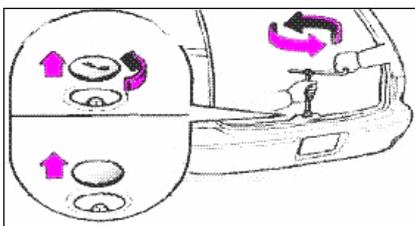


Fig.105

2. Loosen the spare wheel carrier retaining bolt using the tool included with the jack kit (the spare wheel will slowly lower).

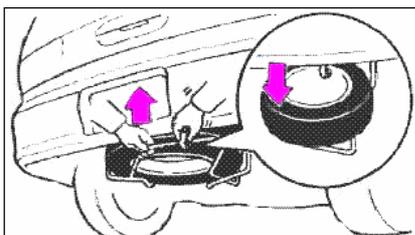


Fig.106

3. Lift the wire cage to remove the retaining hook (Fig.106) and slowly lower the spare wheel. The wheel should now slide out.

Wheel Jack Operation

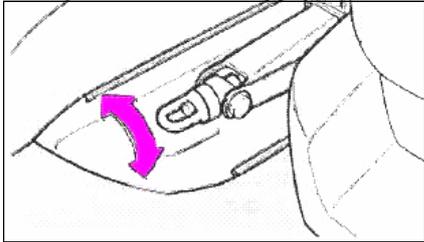


Fig.107

Location (Fig.107)

The jack is located under the 2nd row seat nearest the window, behind the driver.

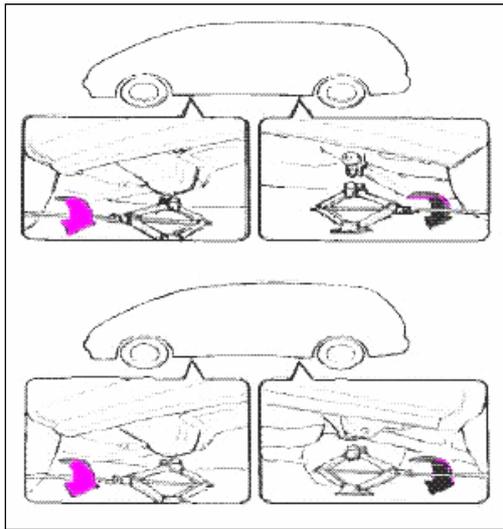


Fig.108 Jacking Points

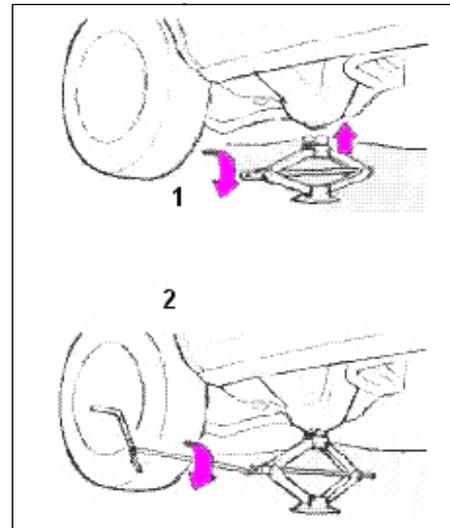


Fig.109 Jack Operation

Towing

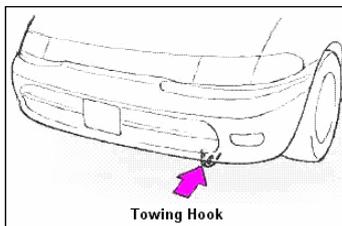


Fig.110

Towing (Figs.110, 111 & 112)

Attach a tow rope to the towing hook.

Select 'N' on gear shift.

ACC/ON position on ignition.

Release parking brake.

Do NOT exceed more than 30 Km/h or travel further than 80Km

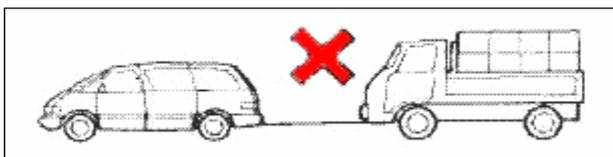


Fig.111

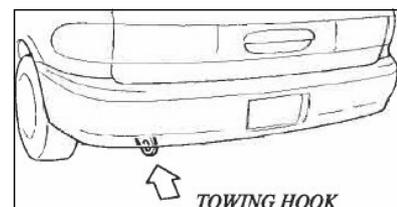


Fig.112

Season Lever (optional)

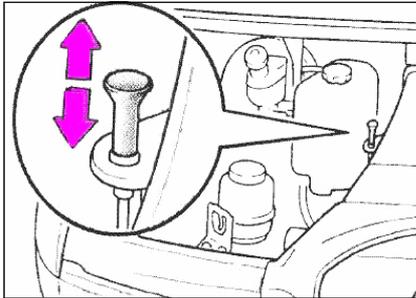
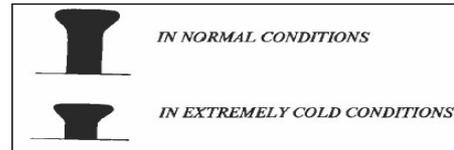


Fig.113

Designed to close off the air vent during winter conditions.

Operation:

- Open the bonnet.
- Push the lever down, this will close off the air vent.
- Normally the lever is in the up position.
- Close the bonnet



Jump Starting



If the starter motor will not turn the engine or turn very weakly, the headlights are faint, the horn sounds weak, the vehicle has a flat battery and must be jump started.

Do **NOT** start the engine by pulling or pushing the vehicle

If one is available only use a 12v battery

How to Jump Start your vehicle

1. Connect the positive terminal (+) of your battery to the positive terminal of the booster battery (using your cables).
2. Connect the negative (-) terminal of the booster battery to metal part (earth) of your vehicle.
3. Start the engine of the other vehicle and slightly increase the engine speed.
4. Start your engine.
5. Remove the cables in the following order:
6. Remove the earth cable
7. Remove the cable from the negative terminal of the booster battery.
8. Remove the cable from the positive terminal of the booster battery.
9. Remove the cable from the positive terminal of your battery

Never touch the ends of the cables together.

Left Side Engine Bay



Right Side Engine Bay



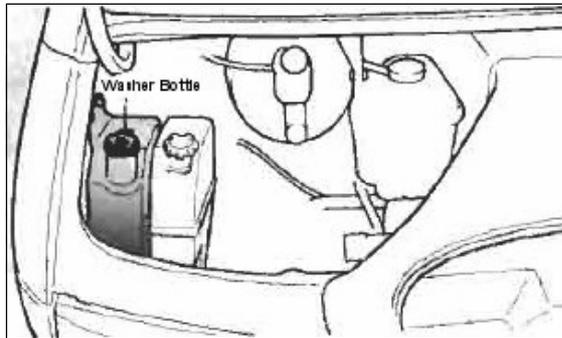
Washer Bottles



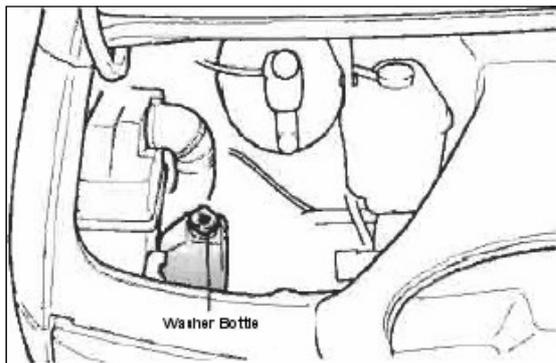
Adding Washer Fluid

When filling the washer bottle, ordinary water can be used.
In winter conditions or when the temperature drops to freezing point then you will need to add windscreen washer anti-freeze fluid to the water.

Washer Bottle Location



Petrol Powered Vehicles



Diesel Powered Vehicles

Anti-Freeze Mixture Guide

| Temperature (c) | Parts of Anti-freeze | Parts of water |
|-----------------|----------------------|----------------|
| -10 | 1 | 2 |
| -20 | 1 | 1 |
| -20 & below | Only anti-freeze | 0 |

Vehicle Maintenance



The following information covers a range of models and there may be some explanations for equipment not installed in your vehicle.



How to check the engine oil

1. Make sure that the vehicle is on level ground
2. Stop the engine and let the engine oil settle
3. Pull out the engine oil dipstick
4. Dry the dipstick with a clean rag or tissue.
5. Place it back into the holder, make sure it goes in all of the way.
6. Pull the dipstick out again and check the oil level.
7. It should read around the 'Full' mark, if it isn't then it needs to be topped up.
8. Check the oil colour:
9. If it is too black, it needs to be changed.
10. If it is slightly brown it is OK.
11. If it is dark brown but transparent, it is OK but should be changed soon.
12. If it is white (coffee with milk colour), it means coolant has mixed with the oil and should be checked at a service centre as soon as possible.



Adding Engine Oil

It is preferable to add the same type of oil that is already in the engine.

1. Add a small amount of oil and wait for it to settle.
2. Check the level.
3. Keeping adding and checking until 'Full'.
4. Do not overfill.
5. Replace the dipstick and oil cap on engine.



Checking Automatic Transmission Fluid

1. Make sure that the vehicle is on level ground.
2. Start the engine.
3. Put the gear shift into 'P' park position.
4. Let the engine idle.
5. Pull out the transmission dipstick.



6. Dry the dipstick with a clean rag.
7. Replace it fully in the gearbox.

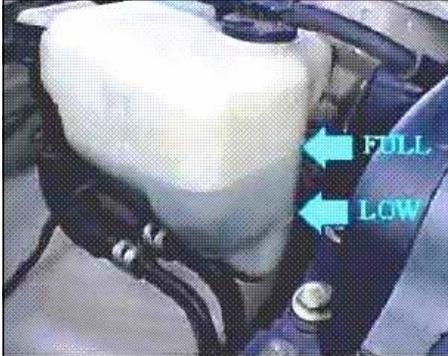


8. Pull the dipstick out again and check the fluid level.
9. If the engine is cool it should be at the upper end of the 'Cold' mark.
10. If the engine is hot it should be at the upper end of the 'Hot' mark.
11. If it is low some fluid should be added.
12. Check the fluid condition:
13. If it is black and has a burnt smell, it should be changed.
14. It should be clean and transparent - brown or red.



Adding Fluid

1. Check the fluid type is correct for the vehicle.
2. Add a little amount
3. Allow to settle.
4. Check again.
5. Keep adding until correct level is reached.
6. Replace the dipstick



Engine Coolant

Always keep the coolant level full, low coolant level will cause the engine to overheat.

The coolant level should be between the 'Low' and 'Full' marks on the expansion tank.

If there is no coolant in the tank then it should be added to the radiator as well.

Note: Never open the radiator or the expansion tank cap when the engine is hot.

When the engine temperature has lowered, simply add coolant to the expansion tank to the 'Full' mark, and to the radiator if required.



Brake Fluid

The brake fluid reservoir can be located under the bonnet in front of the steering wheel. Most vehicles have a transparent reservoir in which the level can be seen. The brake fluid level will drop slightly as the brakes wear, this is normal.

If the level drops noticeably over a short period of time, or goes down to 2/3rds full, the brakes should be immediately checked.

Only keep the cap off the reservoir and the brake fluid can for the amount of time it takes to top it up. Brake fluid can be easily contaminated by moisture, which greatly reduces its efficiency.

Only put in the approved fluid

Power Steering Fluid

The power steering fluid reservoir usually has a small dipstick attached to the cap. Remove the cap and check the fluid level.

The fluid level should not change more than the range indicated on the dipstick.

If you have to add fluid more the twice a year have the system checked at an approved garage.

A warning of low steering fluid is a 'buzzing' sound when you turn the steering wheel at low speeds.

Battery

Most batteries are 'Maintenance Free' which means that you cannot check any liquid levels, but you can do some general maintenance:

1. Check the top of the battery - it should be clean and dry.
2. Check the terminal connections - they should be tight and free from corrosion.

Belts & Hoses

These are best checked when the vehicle is cold.

Belts are used to drive a number of components on the engine including: The water pump, power steering pump, air conditioner, alternator and an emission control pump. Some later models may have a single 'Serpentine' belt that handles everything.

Check the 'ribbed' side for signs of dry and cracked rubber, Serpentine belts are very durable and should last 30,000 miles. The other type of belts are called V-belts and are adjustable. Check each V-belt for cracking and replace them if you find any problems.

Hoses should be checked visually and by feel. You are looking for dry cracked rubber especially at the ends, also for ballooning.

Wiper Blades

Blades should be changed every 6,000 to 10,000 miles. They will tend to streak when dirty, clean them with some window cleaner every time you clean the windscreen.

Tyres

Incorrect tyre pressures can affect tyre wear as well as ride and handling.

Tyre pressures should always be checked when the tyres are cold.

Use the manufacturers recommended pressures

Tyre pressure rises when the tyre heats up when driving. Manufacturers bear this in mind when giving recommended cold tyre pressures. There is no need to reduce pressures when the tyre gets warm.

Overheating

If the temperature gauge needle goes into the red zone the vehicle is overheating, pull over quickly and leave the engine running. If steam and/or coolant is coming out turn the engine off immediately.

When the temperature has returned to normal you may carry on driving but use extreme caution.

It is advisable to check and repair any leaks before continuing. Return the coolant level to full.

Check level regularly.

Do **Not** remove the filler cap when the engine is hot - wait for it to cool down.

Engine Oils

| Grades | Specification | Uses |
|---------------|---|---|
| 5W/40 | API SJ/CF.API Energy Conserving ACEA A3 -96 & B3-96 | Fully synthetic oil for petrol/diesel engines. Catalytic converter compatible. |
| 10W/40 | API SJ/SH/CF.API Energy conserving ACEA A3-96 & B3-96 | Synthetic based multigrade for petrol & diesel engines. Catalytic converter compatible. |
| 15W/40 | APISJ/CF.ACEA A2-96 & B2-96 | Multigrade oil for petrol & diesel engines. Catalytic converter compatible. |
| 15W/40 | API CF.ACEA B2-96 | Multigrade oil for turbo-charged & naturally aspirated diesel engines. |
| 20W/50 | API SF/CC | Multigrade oil for older petrol engines |

Fuse Replacement

If your lights or other electrical devices are inoperative, a fuse, bulb may have blown or the circuit breaker may have tripped out.

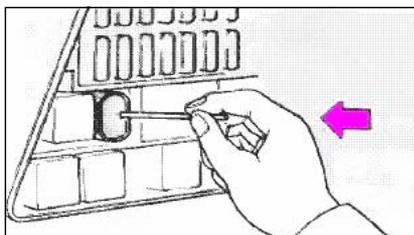


Fig.114

Resetting the Circuit Breaker

1. Put the ignition in the 'Lock' Position
2. Insert a long thin object into the circuit breaker until a 'Click' is heard (Fig.114)

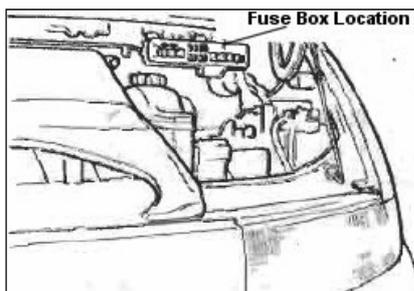
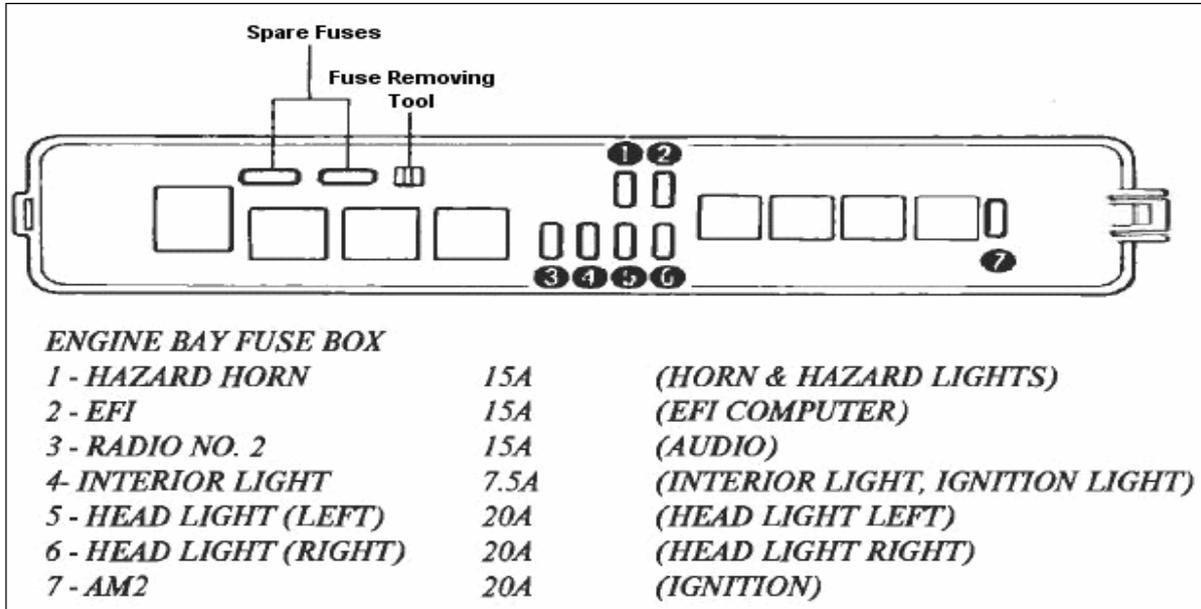


Fig.115

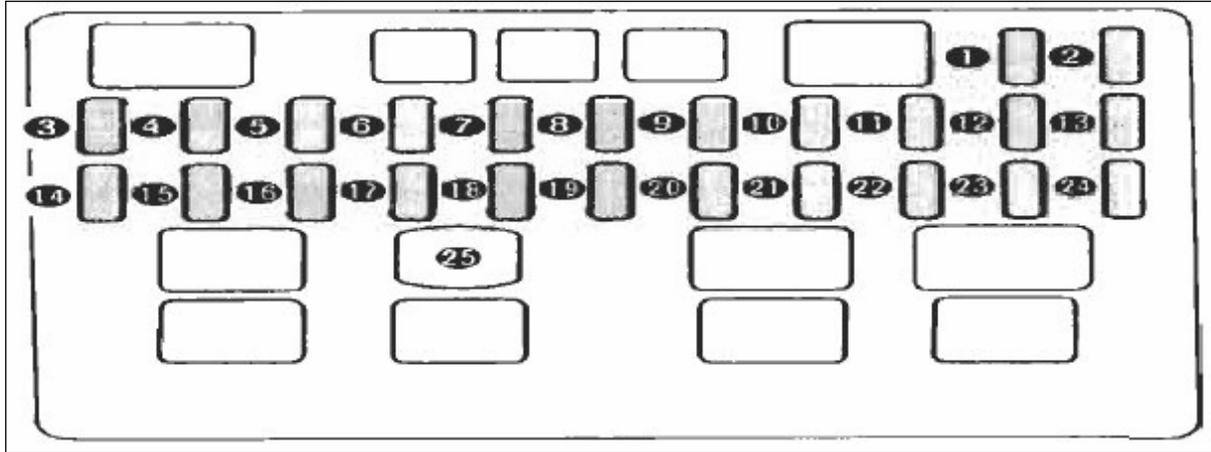
Fuse Replacement

1. Make sure that the ignition is in the 'Lock' position
2. Locate the fuse that needs checking
3. Remove the fuse with the removing tool.
4. Check whether it has blown or not.
5. Replace with a fuse of the same type.
6. Both the fuse remover & spare fuses can be found inside the engine bay fuse box.

Engine Bay Fuse Box



Interior Fuse Box (Below Passengers)



| No. | Name | Fuse | Uses | No. | Name | Fuse | Uses |
|-----|---------------|------|---|-----|----------------|------|--|
| 1 | Tail lights | 15A | Tail, Number Plate | 14 | T/M ACC | 7.5A | Auto Trans. Position Light |
| 2 | Fog Lights | 20A | Fog Lights | 15 | Radio | 7.5A | Radio |
| 3 | Ignition | 7.5A | Battery Warning Light, EFI | 16 | Lighter | 15A | Cigarette Lighter, Clock, Electric mirrors |
| 4 | Starter A | 7.5A | Circuit opening relay, Start injector time switch | 17 | Indicators | 10A | Indicators |
| 5 | Stop Lights | 20A | Brake Lights, 4 Wheel ABS | 18 | Curtains | 20A | Rear Hatch Curtains |
| 6 | Electronics B | 15A | 4 wheel ABS | 19 | Curtains | 20A | Side Window Curtains |
| 7 | Demister | 15A | Heated Rear Window | 20 | Electronics IG | 15A | 4 Wheel ABS |
| 8 | Rear Heater | 10A | Rear Heater | 21 | Air Con | 15A | Air Con, Cool Box |
| 9 | Front Washer | 10A | Front Washer Switch | 22 | Rear Wipe | 15A | Rear Washer & Wipers |
| 10 | Starter | 7.5A | EFI Computer | 23 | Oil | 15A | Engine Oil self-lubricating motor |
| 11 | Front Wiper | 30A | Front Wiper | 24 | Fuel Heater | 20A | Fuel Heater |
| 12 | Meters | 10A | Meters, reversing Lights | 25 | Closer | 20A | Rear Door Close Mechanism |
| 13 | Charging | 7.5A | Alternator | | | | |

Bulb Replacement



When replacing bulbs, make sure that bulbs of the same wattage are used. When replacing Halogen bulbs, always handle with clean gloves and **do not** touch the bulb with your bare hands.

| Location | Type | Wattage |
|-------------------|----------------------------|----------------------|
| FRONT | Headlights (Halogen) | 50/55W |
| | Outside | 65W |
| | Inside | 35W |
| | Fog Lights (Halogen) | 35W |
| | Cornering Lights | 35W |
| | Clearance Lights | 5W |
| | Front Indicators (Hazards) | 21W |
| | Side Indicators (Hazards) | 5W |
| | REAR | Indicators (Hazards) |
| Brake/Tail Lights | | 21/5W |
| Reversing Lights | | 21W |
| Number Plate | | 5W |
| INTERIOR | Front Interior Light | 10W |
| | Rear Fluorescent | 14W |
| | Rear Incandescent | 10W |
| | Boot Light | 8W |
| | Glove Box Light | 1.2W |

Service Data



| | Estima | Estima Emina | Estima Lucida |
|------------------------------------|---------------|---------------------|----------------------|
| Engine Type | 2TZ-FE | 2TZ-FE 3C-1 | 2TZ-FE/3C T |
| Brake Pedal Floor Clearance | | 75mm Min. | |
| Clutch Pedal Free Play | | 5-15mm | |
| Hand Brake Notches | | 4-5 | |

| | 2TZ-FE | 3C-T |
|---|---------------------|-------------|
| Engine Oil capacity (replacing oil only) | 5.5 Litres | 4.0 Litres |
| Engine Oil Capacity (replacing Oil + Filter) | 5.8 Litres | 4.5 Litres |
| Radiator Capacity | 11.6 litres | 10 Litres* |
| Spark Plug Type | PK16R11 BKR53P11 | |

* 12 Litres for rear heater fitted type

| | |
|---------------------------|---|
| Steering | Rack & Pinion |
| Suspension (Front) | Strut Coil Spring (wit Stabiliser) |
| Suspension (Rear) | Double Wishbone Coil Spring (4 Link) |
| Brake (Front) | Ventilated Disk |
| Brake (Rear) | Ventilated Disk |
| Drive System | Rear/4 Wheel Drive |

| Tyre Type | Tyre Size | Front | Rear |
|------------------|-----------------------|---------------|---------------|
| Standard | 185SR14 | 38 psi | 38 psi |
| Standard | 205/70R 14 94H | 38 psi | 38 psi |
| Standard | 215/65R 15 96H | 38 psi | 38 psi |
| Standard | 215/65R 15 96S | 38 psi | 38 psi |
| Spare | T145/80D 16 | 40 psi | 40 psi |

Specifications



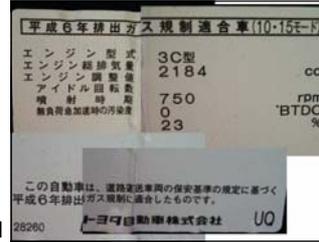
| | 2.4 | 2.4S | 2.2TD |
|-----------------------------|---------------------------------|---------------------------------|---------------------------------|
| Engine Capacity (cc) | 2438 | 2438 | 2184 |
| BHP/RPM | 133/5000 | 160/5000 | 101/4200 |
| Maximum Speed | 108 | 112 | 100 |
| 0-60 (seconds) | 11.7 | 11.0 | 14.5 |
| Average Fuel Economy | 25 | 24 | 30 |
| Transmission | 5 speed manual or 4 speed auto. | 5 speed manual or 4 speed auto. | 5 speed manual or 4 speed auto. |
| Brakes (Front/Rear) | Disc/Disc | Disc/Disc | Disc/Disc |
| Weight (kg) | 1900 (fwd)/2000(4wd) | 1900 (fwd)/2000(4wd) | 1850 |

Japanese Translations



Under the Bonnet

Exhaust Emission Control Act 1994 Compliant Vehicle (10.15 mode)
 Engine Type: 3C variant
 Cubic Capacity: 2184 cc
 Engine Adjustment
 Idle speed: 750 rpm
 Injection timing: 0 BTDC
 Non load pollution level: 23%



This vehicle meets the Exhaust Emission Control Act 1994 set out in Road Vehicle Type Approval.

Under the Bonnet

Air filter cleaning
 Passenger vehicle: every 12 months
 Commercial vehicle: every 6 months
 Air filter Replacement: every 50,000km



"ENGINE TUNE UP SPECIFICATIONS part is as same as the accompanied English text on the right"

Under the Bonnet

(first line from the left)

82621-28150, /, /, 15A Hazard Horn, 15A EFI (Petrol engines), WARNING Do not use fuses other than specified here.

(second line from the left)

Starter Motor, Horn, Glow plugs, Headlights, 15A Radio No.2, 7.5A Dome light, 20A Headlight (LEFT), 20A Headlight (RIGHT)

(third line from the left)

(Diesel engines), (Diesel engines)



Under the Bonnet

WARNING Car Air-conditioning System
 R134a Only
 Refrigerant: R134a (HFC 134a), Oil: ND-Oil 8



Shift Lock



Rear of Drivers Sun Shade

Driver's Note

(1) Please read the instruction which came with the vehicle carefully before use, and ensure correct driving operation.

(2) When EXH Temp warning light comes on (vehicles with catalytic converter);

* Reduce speed while driving.

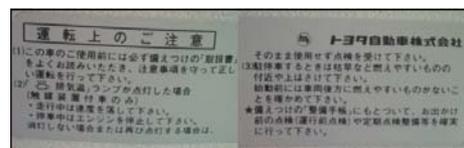
* Stop the engine when stationary.

When the warning light remains or comes on again, do not proceed using the vehicle and get it inspected.

(3) When parking, ensure there are no flammable materials such as dry grass around or under the vehicle.

Before you start the vehicle up, ensure there are no flammable materials in the back of the vehicle.

(Star) Refer to the Service booklet which came with the vehicle and carry out routine inspection (before driving) or get the vehicle serviced in regular intervals.



Japanese Translations



Under the Bonnet

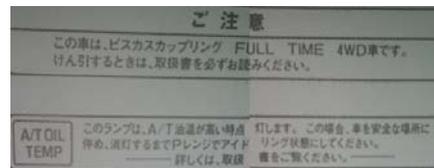
WARNING

This vehicle is FULL TIME 4WD with viscous coupled differentials.
Make sure you refer to the instruction manual before towing.

A/T OIL TEMP

This warning light comes on when the ATF (Automatic Transmission Fluid) becomes abnormally hot. In such instance, stop the vehicle in a safe area and let it idle with the automatic gear lever in 'P' position until the warning light goes out.

- For details, refer to the instruction manual-



Well, actually this is quite an important point . Under no circumstance that the FULL TIME 4WD (permanent 4WD) vehicle to be towed with only two wheel off the road. The reason behind this is that there is a part of the powertrain which splits the power to front and rear wheels (differential) and when only two wheels are raised and other two are left to coast on the road whilst towing, this can heat and seize the mechanism.

Thus when towing, make sure all 4 wheels are on the road and keep the speed really slow but preferably, it is best to have a big transporter which is capable of carrying the vehicle with all 4 wheels off the road.

Inside the Drivers Door

Tyre Pressure [Estima Emina, Estima Lucida]
(kg/cm²)

Tyre size, Front tyre, Rear tyre
215/65R15 96H, 2.3 (2.3), 2.3 (2.3)
215/65R15 96S, 2.3 (2.3), 2.3 (2.3)

() is for the motorway use
T145/80D16 (Temporary tyre) 4.2

For details, refer to the instruction manual

| タイヤ空気圧 (kg/cm ²) | | |
|------------------------------|----------|----------|
| タイヤサイズ | 前輪 | 後輪 |
| 215/65R15 96H | 2.3(2.3) | 2.3(2.3) |
| 215/65R15 96S | 2.3(2.3) | 2.3(2.3) |
| ()内は高速時空気圧 | | |
| T145/80D16(応急用タイヤ) | 4.2 | |
| 詳細は整備手帳をよくお読み下さい | | |

On Support strut of Rear Seats

Seat Hook Cover

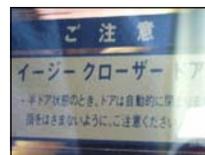


On Sliding Door Window

WARNING

EASY CLOSING DOOR

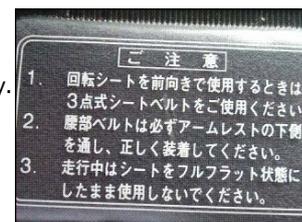
* The door will shut itself automatically when not closed properly.
Beware not to get your fingers trapped.



On Rear of Front Passengers Seat

WARNING

1. When using rotating seat facing front, please use the 3 point seat belt.
2. Lap belt must be looped through the bottom of the arm rest to be fastened properly.
3. Do not drive with the seats in 'full-flat' position.



Toyota Paint Codes



This is a list of Toyota Paint Colour Codes. This is for the entire Toyota range and not all colours refer to the Estima/Emina/Lucida. You'll find the three character Paint Colour Code on the identification plaque, normally found on the edge of the front door or under the bonnet on the Estima

| | |
|-----|-------------------------------------|
| 012 | Cygnus White (i) |
| 031 | White(i) |
| 033 | White (i) |
| 040 | Super White |
| 041 | White |
| 043 | Super White |
| 045 | White |
| 046 | Opal White Pearl |
| 049 | White Pearl |
| 050 | Super White |
| 051 | Diamond White Pearl |
| 056 | Arctic White (i) |
| 058 | White (i) |
| 113 | Health Grey (i) |
| 147 | Silver Metallic |
| 153 | Pearl Grey (i) |
| 155 | Dk Charcoal Grey (i) |
| 167 | Charcoal Grey Metallic |
| 170 | Medium Grey(i) |
| 172 | Cobalt Blue Metallic |
| 176 | Silvermist Metallic |
| 179 | Dark Grey Metallic |
| 180 | Flint Grey Pearl |
| 182 | Grey Metallic |
| 183 | Dark Grey Metallic |
| 187 | Steel Mist Grey |
| 191 | Dark Bluish Grey Metallic Clearcoat |
| 192 | Sunset Silver Metallic |
| 193 | Warm Gray Pearl Clearcoat |
| 1B1 | Silver Pearl (i) |
| 1D2 | Silver (i) |
| 202 | Black Onyx |
| 204 | Black |
| 205 | Satin Black Metallic |
| 2FS | Green (i) |
| 309 | Freeborn Red (i) |
| 3E5 | Super Red |
| 3F4 | Red (i) |
| 3H4 | Medium Red Pearl |
| 3H5 | Orange Pearl Mica |

| | |
|-----|--------------------------|
| 3H7 | Cardinal Red |
| 3H8 | Burgandy Pearl |
| 3J7 | Garnet Red Pearl |
| 3J8 | Prussian Red Pearl |
| 3J9 | Medium Red Pearl |
| 3K1 | Dark Amethyst Pearl |
| 3K2 | Wineberry Pearl |
| 3K3 | Garnet Pearl |
| 3K4 | Sunfire Red Pearl |
| 3K5 | Tawny Rose Metallic |
| 3K7 | Shadow Rose Quartz |
| 3K9 | Light Beige Metallic |
| 3L5 | Magna Red (i) |
| 3N2 | Claret (i) |
| 414 | Buffalo Brown (i) |
| 415 | Pueblo Brown (i) |
| 416 | Dune Beige (i) |
| 464 | Beige (i) |
| 474 | Dark Copper (i) |
| 4E9 | Beige (i) |
| 4G8 | Light Beige (i) |
| 4J1 | Almond Beige Metallic |
| 4K1 | Beige Metallic |
| 4K8 | Dark Walnut Pearl |
| 4K9 | Sandstone Beige Metallic |
| 4L8 | Canyon Beige Metallic |
| 532 | Yellow (i) |
| 567 | Signal Yellow |
| 577 | Yellow (i) |
| 611 | Dark Green (i) |
| 621 | Rustic Green (Dark) (i) |
| 622 | Nebula Green (i) |
| 653 | Olive Green (i) |
| 681 | Green (Medium) (i) |
| 6H9 | Olive Green (i) |
| 6J7 | Forest Green Metallic |
| 6K4 | Black Jade Pearl |
| 6L3 | Silverleaf Metallic |
| 6L6 | Meadowfrost Metallic |
| 6M1 | Dark Emerald Pearl |
| 6M2 | Royal Jade Pearl |

| | |
|-----|--|
| 6M3 | Silver Spruce Metallic |
| 6P9 | Green Metallic Clearcoat |
| 6Q7 | Ashdown Green (i) |
| 742 | Aquamarine Pearl |
| 746 | Turquoise Pearl |
| 747 | Dark Teal Metallic |
| 749 | Teal Metallic |
| 750 | Light Turquoise Pearl Metallic Clearcoat |
| 751 | Dark Teal Green Pearl Metallic Clearcoat |
| 808 | Horizontal Blue (i) |
| 822 | Royal Blue (i) |
| 854 | Blue (sky blue) (i) |
| 857 | Nordic Blue (Dark) (i) |
| 861 | Bright Blue (i) |
| 869 | Dark Blue Pearl |
| 8B2 | Blue (i) |
| 8B4 | Night Blue (i) |
| 8E3 | Dark Blue Pearl |
| 8G2 | Ice Blue Pearl |
| 8G6 | Ice Blue Metallic |
| 8H3 | Nautical Blue Metallic |
| 8H4 | Twilight Marine |
| 8H5 | Cadet Blue Metallic |
| 8H6 | Blue (i) |
| 8H8 | Bright Blue Metallic |
| 8J1 | Dark Blue Metallic |
| 8J2 | Blue Metallic |
| 8J3 | Blue Pearl |
| 8J4 | Frosted Sapphire Pearl |
| 8J5 | Midnight Indigo Pearl |
| 8J7 | Blue Steel Metallic |
| 8K0 | Dark Blue Pearl Metallic Clearcoat |
| 8K2 | Light Purple Blue Pearl Metallic Clearcoat |
| 8L4 | Stellar Blue (i) |
| 8L7 | Blue Royale (i) |
| 923 | Silver Taupe Metallic |
| 936 | Dark Purple Pearl Clearcoat |
| AE9 | Beige (i) |
| K73 | Silver Steel (i) |
| K76 | Ruby (i) |

Anti-Freeze



The cooling system holds between 10 -12 litres of coolant.

Types of antifreeze:

Toyota Red - pre-mixed. Do **NOT** add water, only top up with the same. If not changed regularly or mixed with water it tends to crystallize and can cause radiator block-ages.

Normal Anti-freeze (**Glycol based**) normally blue, green or red - dilute to 25% (normal UK lowland winter), but needs to be topped up with a 50/50 concentrated solution.

Or

Normal anti-freeze diluted to 33% - 40% for full UK protection, but needs to be topped up with a 50/50 concentrated solution.

Universal anti-freeze can also be used as it mixes freely with other types (except Toyota Red)

Typical anti-freeze concentrations

| Antifreeze | Water | Freeze protection |
|------------|-------|-------------------|
| 12% | 88% | -5°C |
| 25% | 75% | -12°C |
| 33% | 67% | -18°C |
| 50% | 50% | -38°C |
| 60% | 40% | -62°C |

