

# INTRODUCTION

## THE TOYOTA ESTIMA (EMINA, LUCIDA)



This cd rom manual will explain the functions and maintenance of your vehicle.

Exclusive Publication By  
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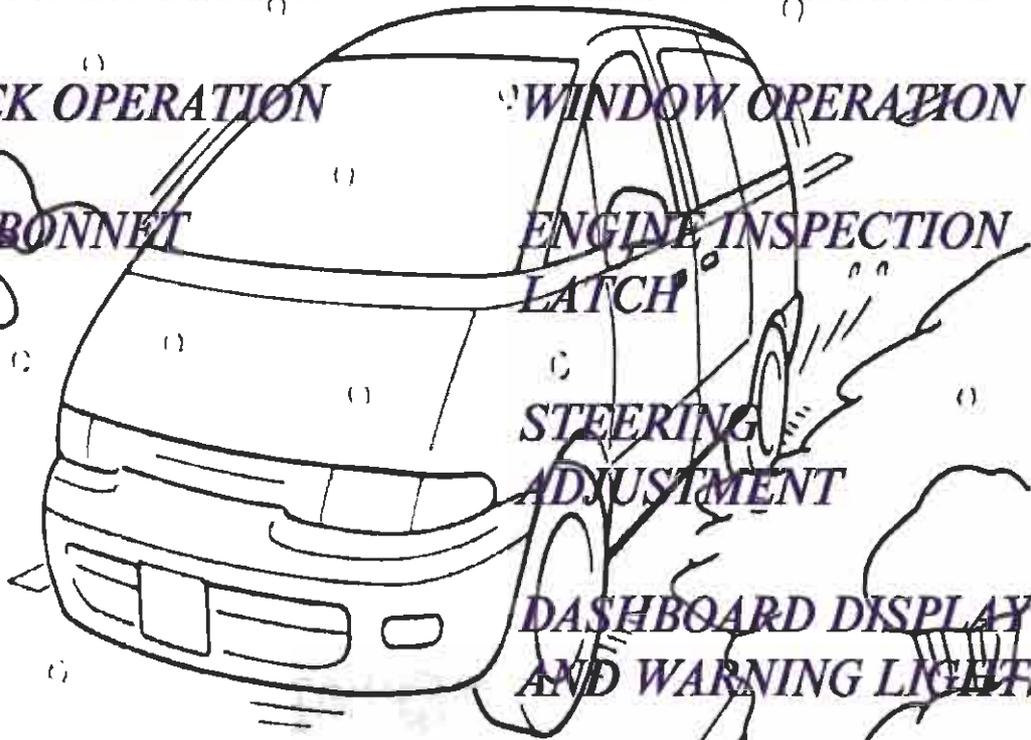
***MAINTENANCE***

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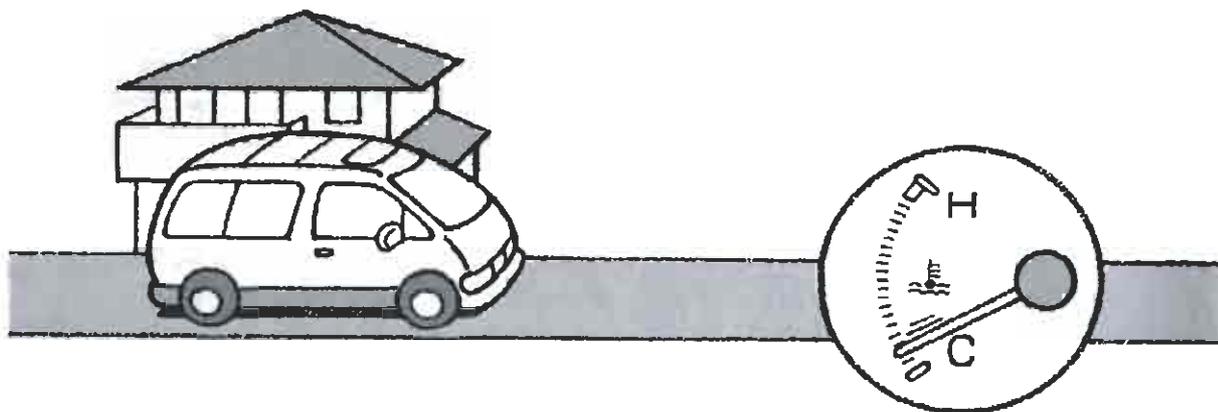
***BULB REPLACEMENT***

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# GENERAL POINTS



## CARBON MONOXIDE

*Do not run the vehicle in a confined space without adequate ventilation*



## FLAMMABLE PRODUCTS

*Do not transport flammable products that may explode or catch fire*



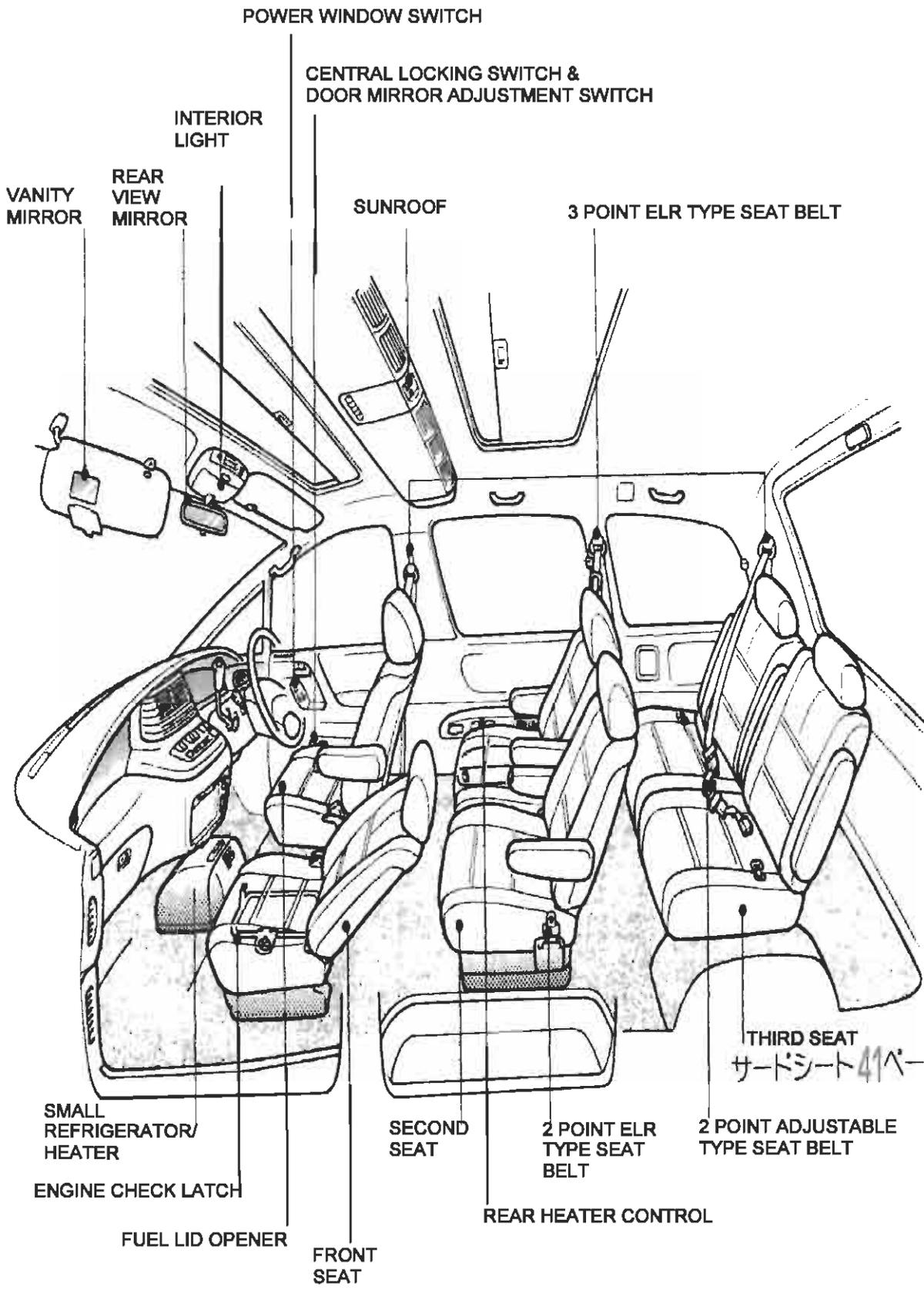
## HAZARDS

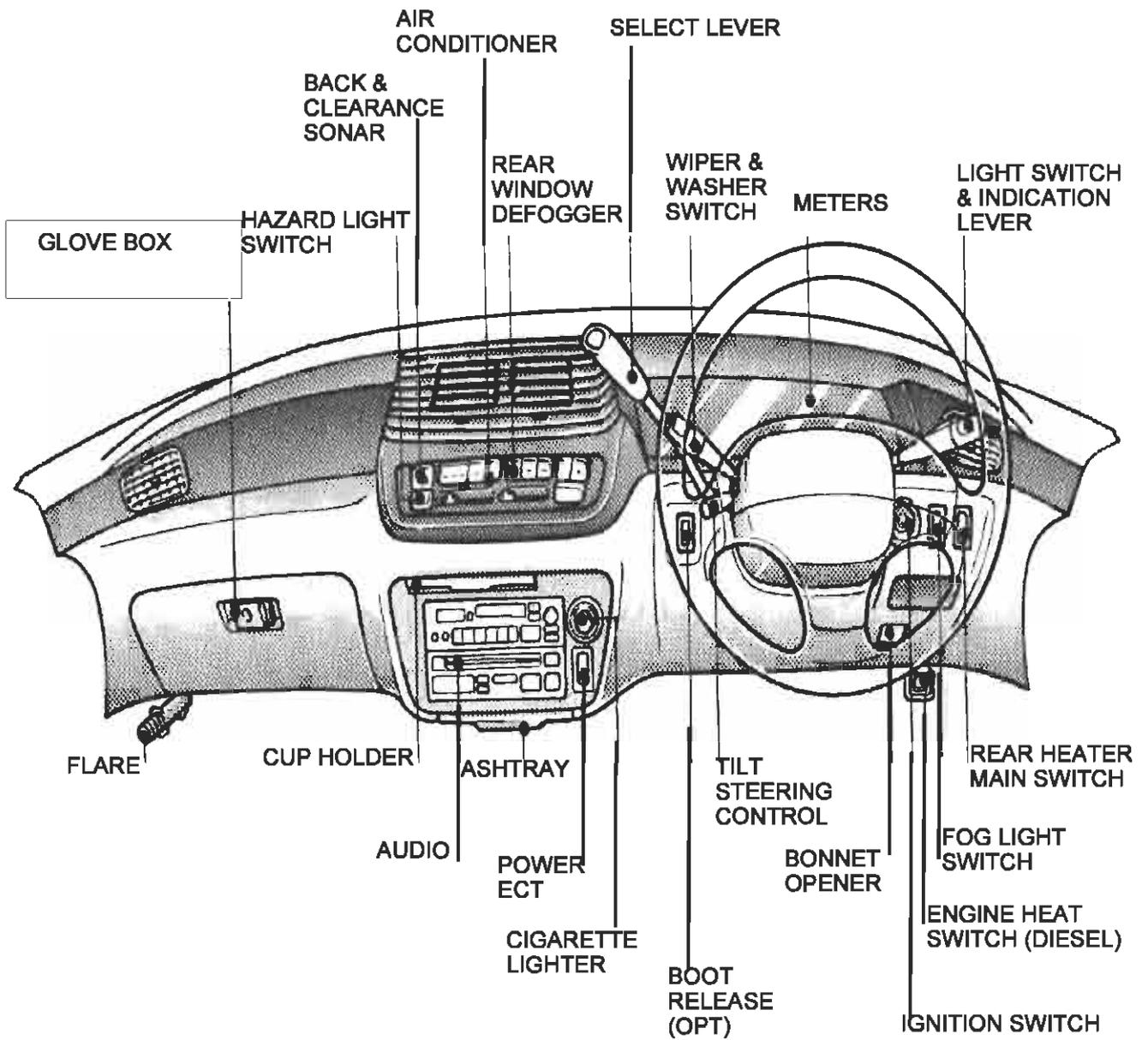
*Keep pedal area free from obstructions*



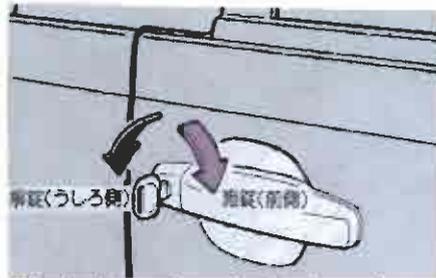
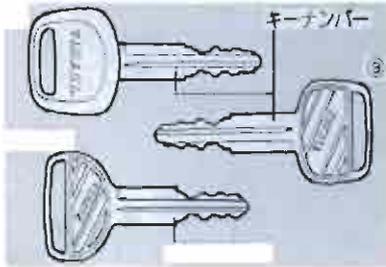
## Mobile phones

*UK: Hand free kits only*



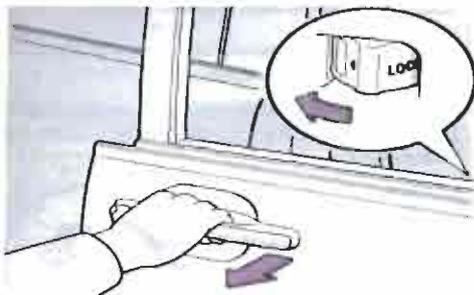
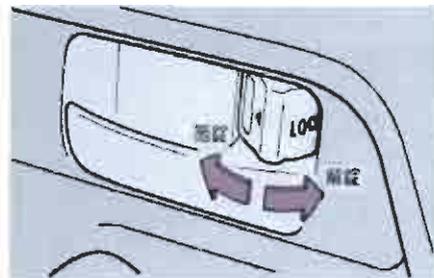


# FRONT DOORS

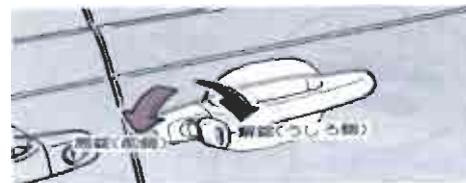


*To lock and unlock, turn key clockwise to lock and anti clockwise to unlock. All doors will lock/unlock at the same time (g/x models)*

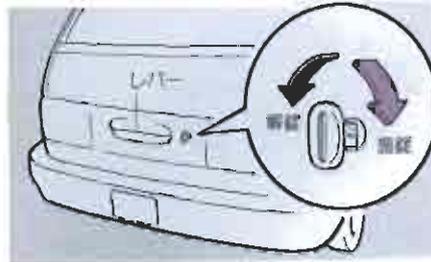
*To lock/unlock vehicle from inside, push the lock button located near the door handle to the lock/unlock position.*



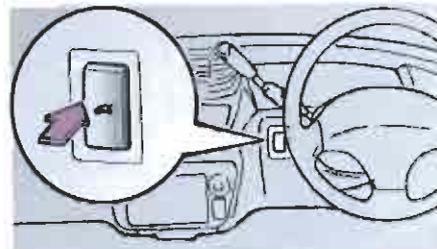
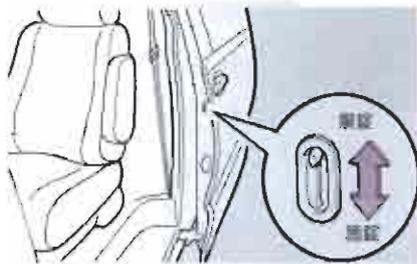
*To lock without the keys from the outside, push the locking button on the inside of the door, whilst closing the door pull handle towards you. For sliding door, push lock button (located inside door) and slide shut.*



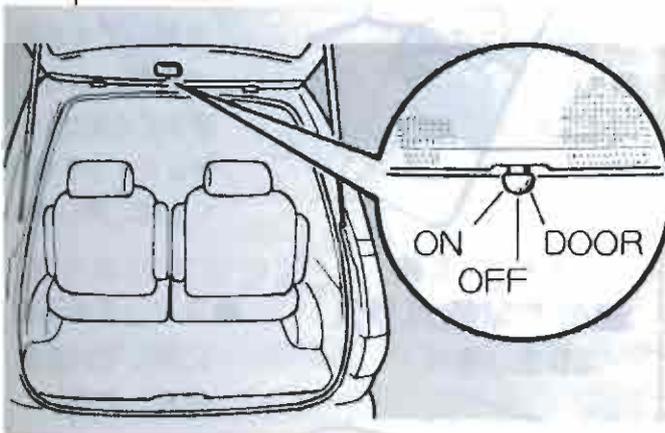
**Boot Hatch :** To lock door, turn key clockwise to lock and anti clockwise to unlock



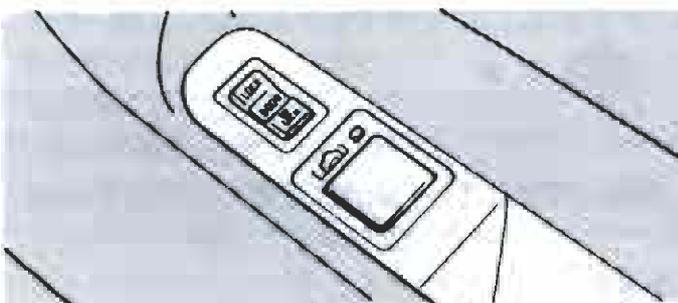
**Child Lock :** Selecting this prevents the door from being opened from the inside.



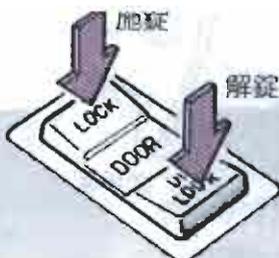
*Rear hatch release button (optional)*



**Luggage compartment light**  
**ON = CONSTANT**  
**OFF = OFF**  
**DOOR = WHEN REAR HATCH OPEN**



**Central Locking (optional)**  
 Locking drivers door will lock all doors except on F model when only the side door and rear door will lock



The lock and unlock button located on the drivers door will lock and unlock all vehicle doors.

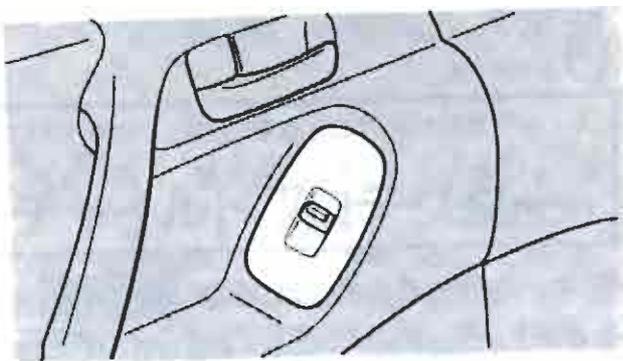
Optional - Some vehicles will lock all doors when the vehicle reaches 20 km/h

## ***ELECTRIC WINDOWS ( OPTIONAL )***



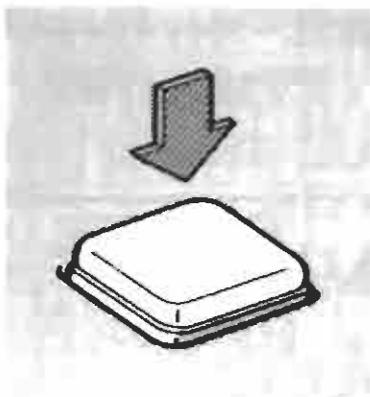
### ***Driver's side***

*The controls on the drivers side - if you require the window fully open pull switch fully down and release. To open window to preferred point pulled switch backwards then release quickly. Pushing/pulling switch gives full control of window levels*



### ***Passenger side***

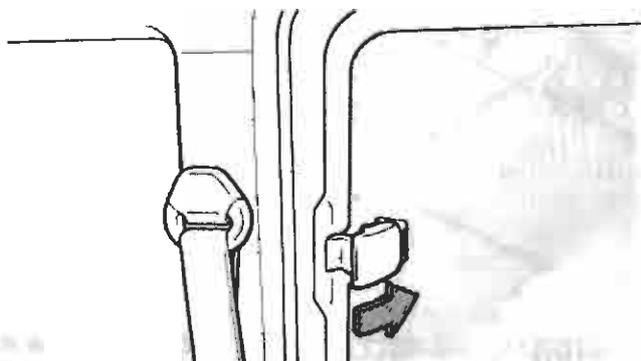
*The controls are as per drivers side.*



### ***Window Lock Button***

*By depressing this switch, this will lock all windows excluding drivers but including sunroof (if fitted).*

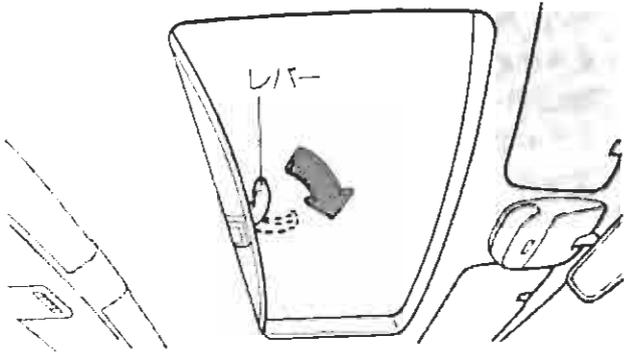
*Releasing switch unlocks windows.*



### ***Rear Windows***

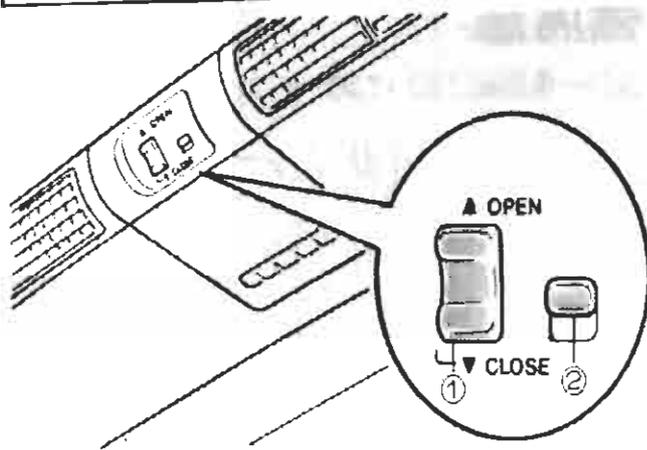
*Pulling the catch towards you and pushing window out - opens window.*

## Sunroofs ( optional )



### Front Sunroof (tilt type)

*Pull lever out as per diagram and push up to open. Pull down and push lever back to close.*

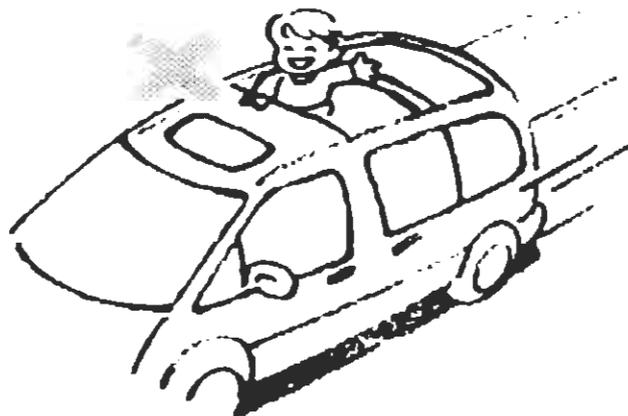


### Rear Electric Sunroof

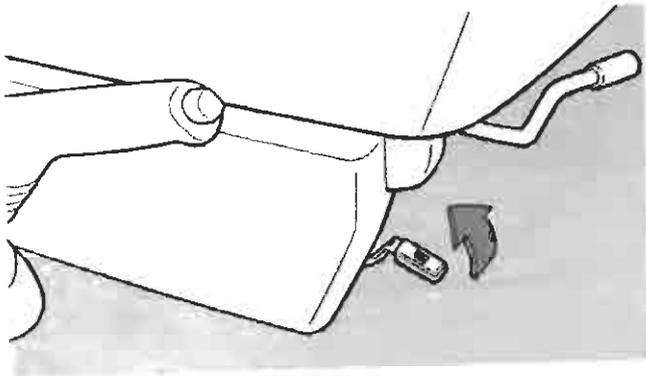
*Only operational when vehicle ignition is in ON setting.*

*To open press and hold open button.*

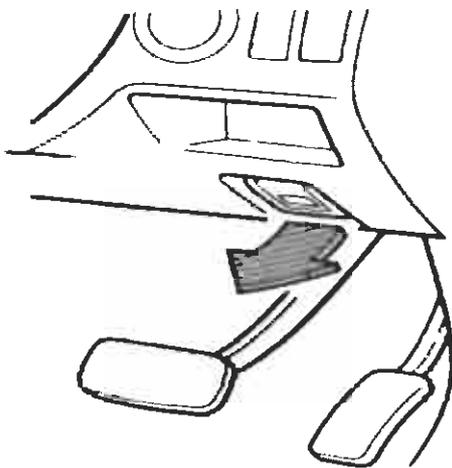
*To close press and hold Number 2 on diagram and close button together.*



# Fuel Cap / Bonnet Release



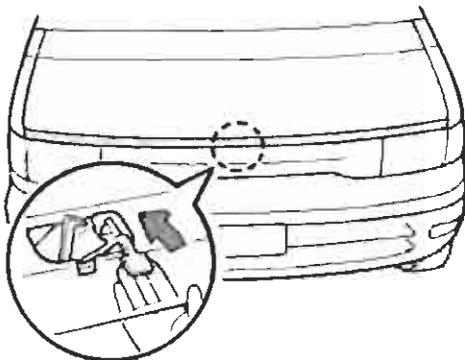
*The fuel flap release lever is located adjacent to hand brake, under drivers seat.*



## **Bonnet Release**

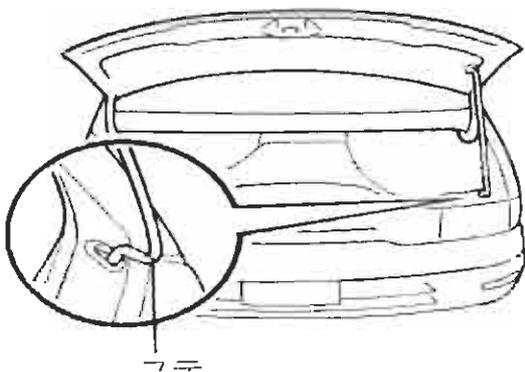
*Located above pedals on lower dash - right hand side of steering wheel.  
Pull lever to release bonnet.*

トロックをはずして持ち上げ、

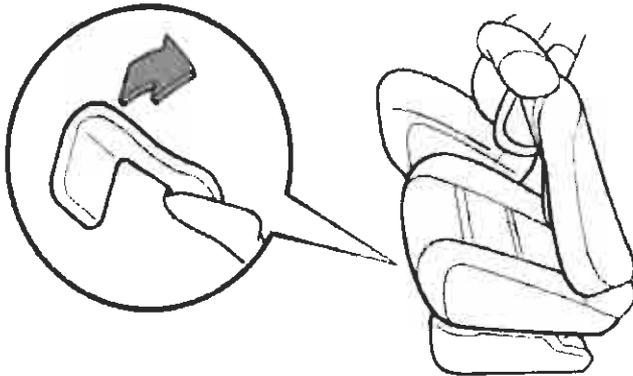


## **Front Bonnet**

*To open bonnet, locate catch in middle of bonnet, pull catch towards you to release and raise bonnet.*

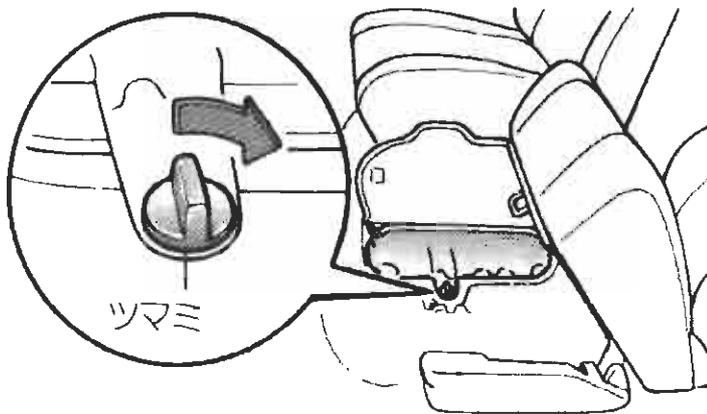


# Engine Inspection Latch



*To access hatch - move the passenger seat fully forward and fold seat forward (as per diagram)*

*Lift the release lever under seat, and fold whole seat backwards. This will expose inspection latch.*

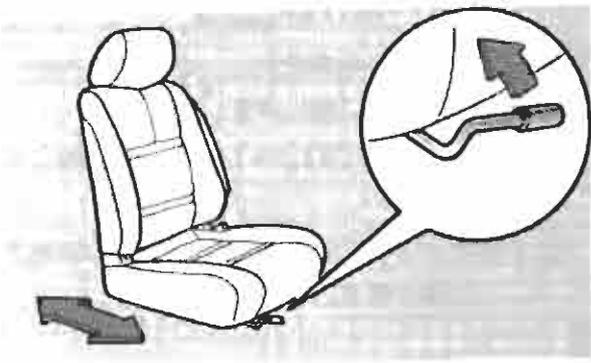
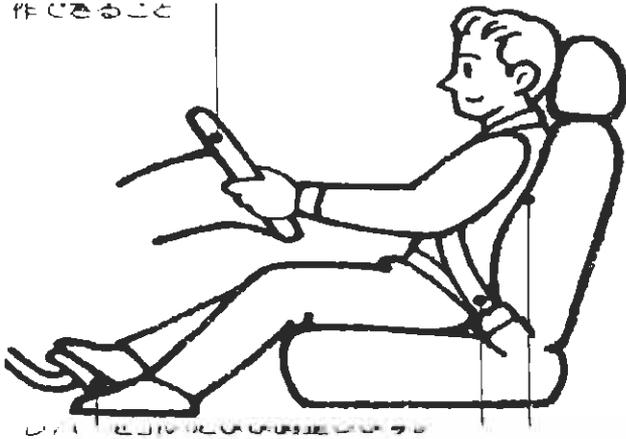


*Turn the knob to open inspection latch.*

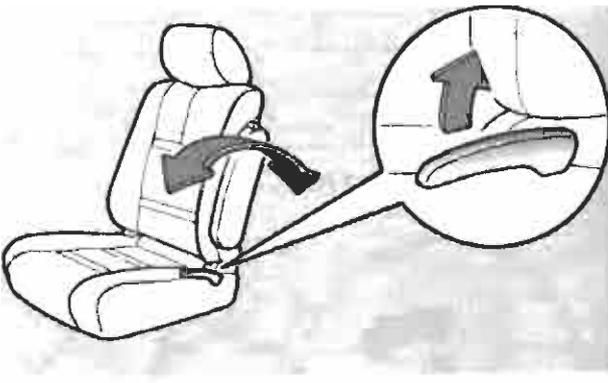
*When inspection complete - fully secure latch cover and seat back to original position.*

# FRONT SEATS

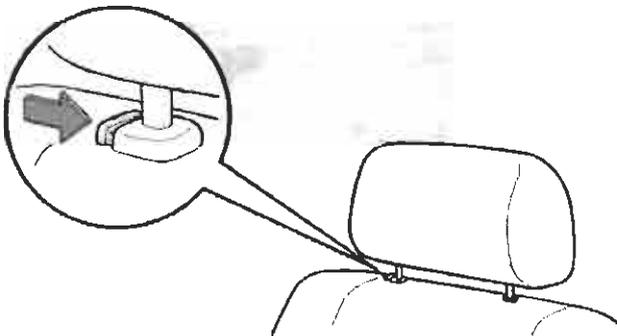
作じあること



*Forward and Backward Adjustment*



*Reclining Adjustment*



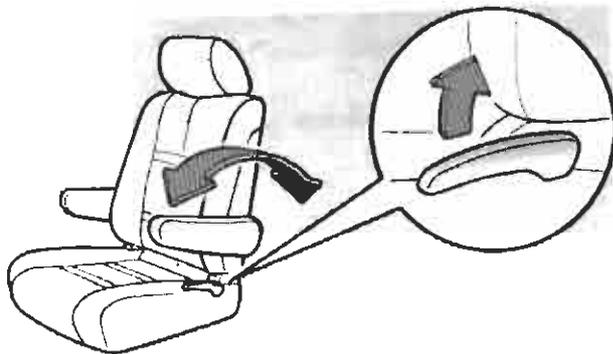
*Head rest Adjustment (optional)  
Push button and pull/push to adjust headrest.*

*Caution  
The headrest is not locked into position until it clicks.*

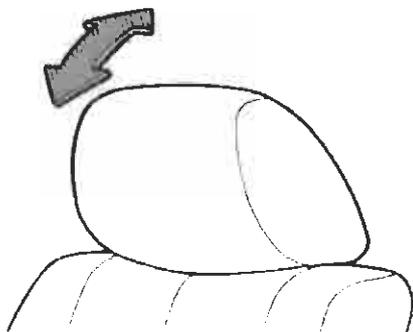
# *Middle Row Seats (optional)*



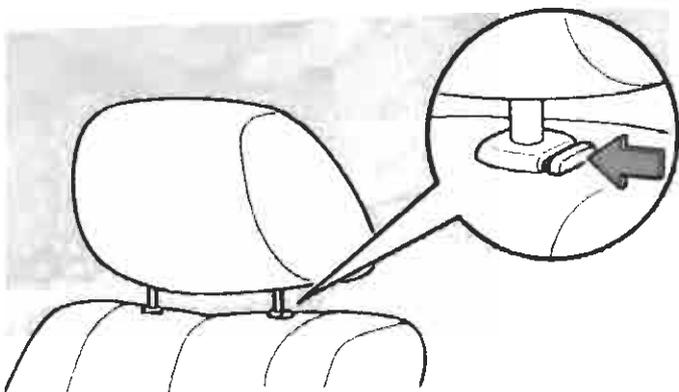
*Forward and Backward adjustment*



*Reclining adjustment*

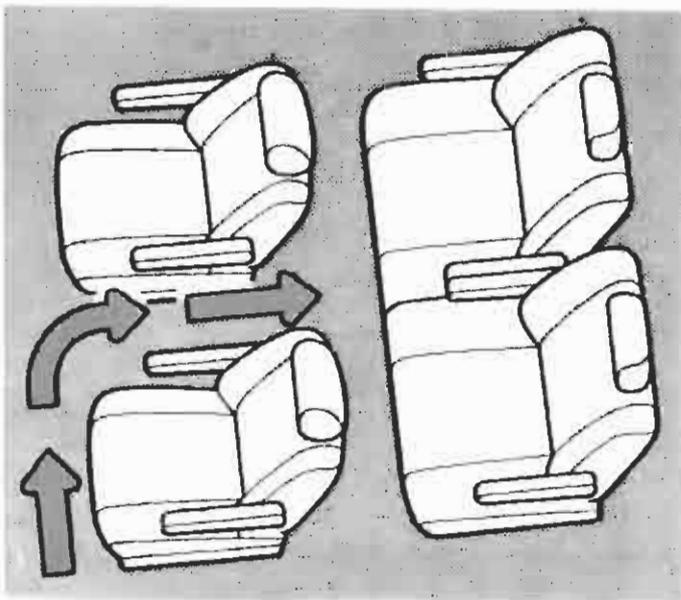


*Adjustable Headrests (optional)*



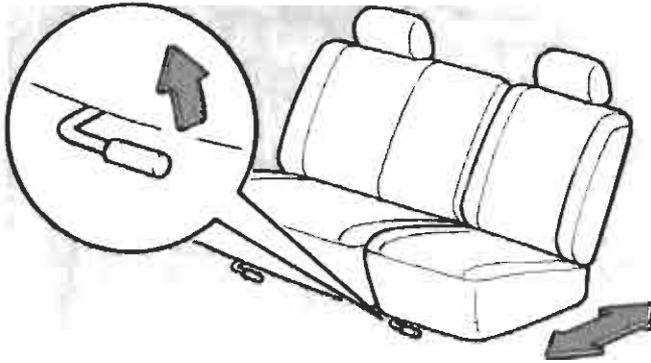


*Adjustment for seat rotation*



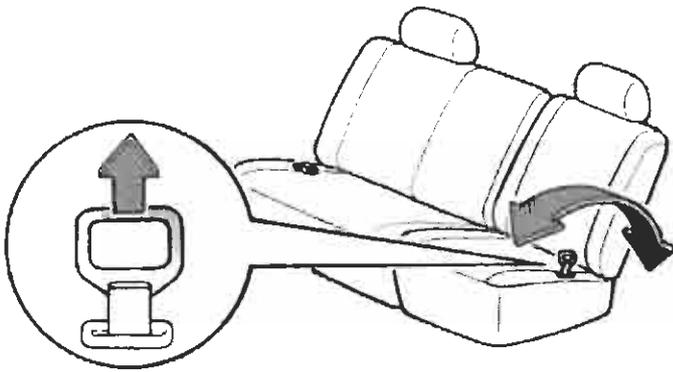
*Caution  
Do not adjust seats whilst driving*

*When using the last row of seats,  
access is obtained through the  
middle as per diagram arrows.*



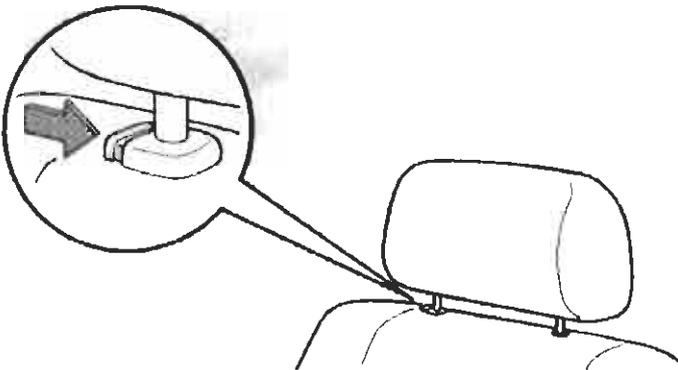
*Optional*

*Forward and Backward adjuster.*



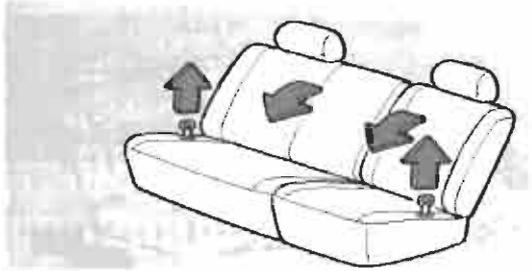
*Reclining adjuster*

*Pulling the adjuster belt, located on left or right of seat will adjust the seat back position.*

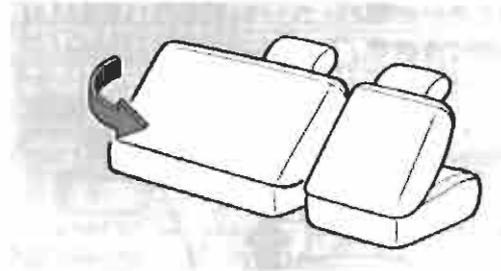


*Headrest Adjuster*

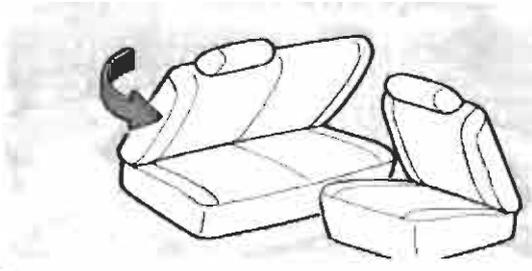
① バルトを引いて背もたれを前に倒します。



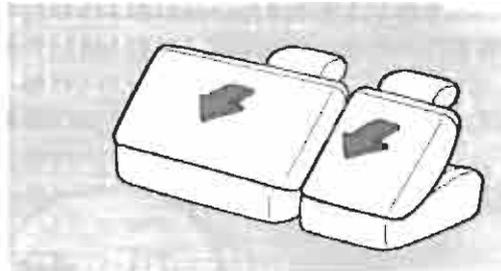
④ 2人掛けシートをさらに左に90°まわします。



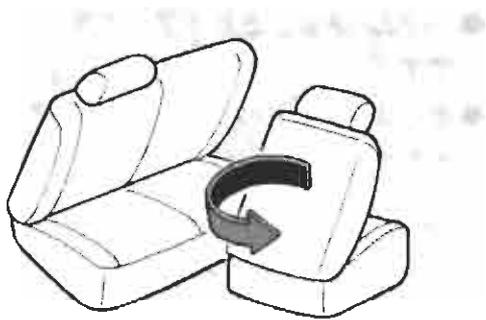
② 2人掛けシートを左に90°まわします。



⑤ 背もたれを起こします。



③ 1人掛けシートを左に180°まわします。



### Rotating Seats

1- Pull the adjuster belts to collapse the back seats as per diagram 1

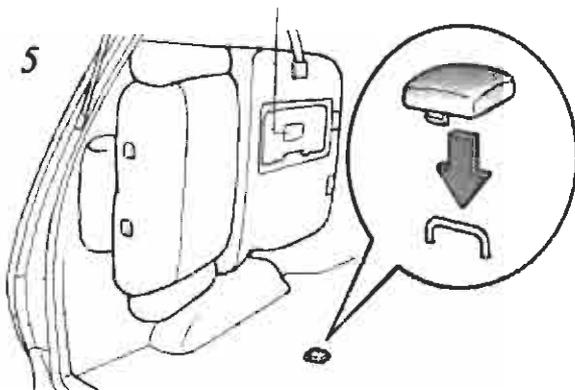
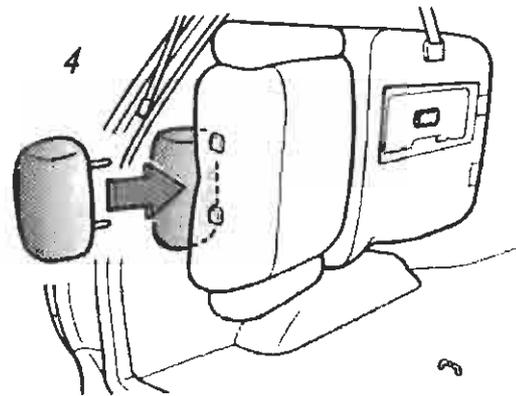
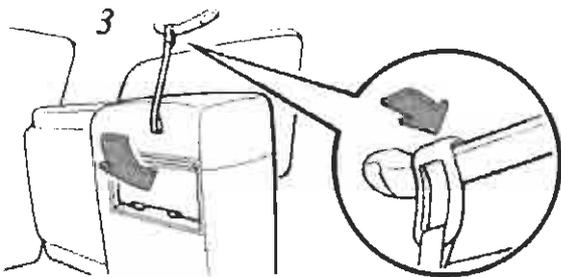
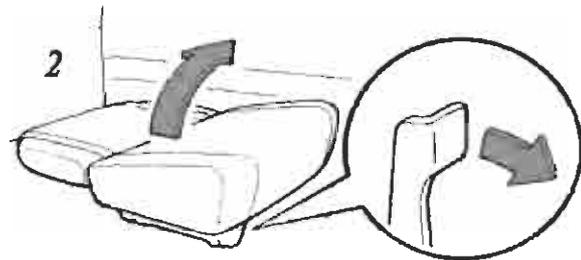
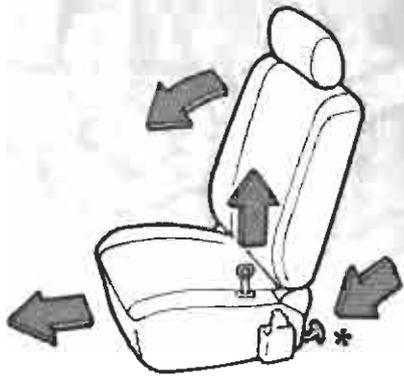
2- Turn the 2 seater as per diagram 2

3- Turn the single seater as per diagram 3

4- Turn the 2 seater the rest of the way as per diagram 4

5- Put seats back into seating position.

To access the last row of seats, pull the recliner belt or the push the pedal \* to move seat and backrest forward.

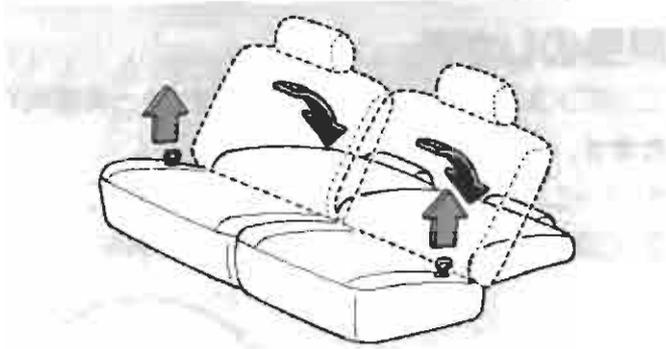


### Loading area (folding last row of seats)

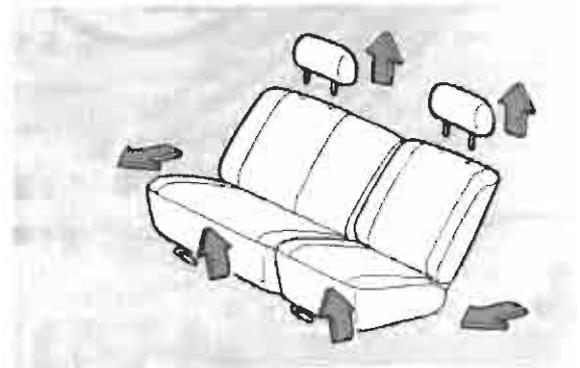
#### *Remove head rests*

- 1- Recline seat as far as possible.*
- 2- Pull lever under seat to lift seat towards window.*
- 3- Attach support strap to over head handle.*
- 4- Storage for head rest.*
- 5- To cover seat hook on floor, remove seat hook cover from under seat.*

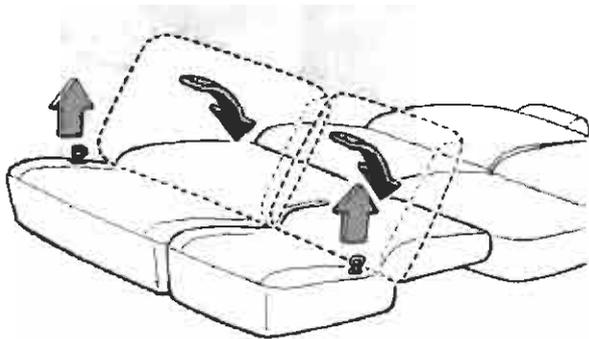
## Flattening Seats



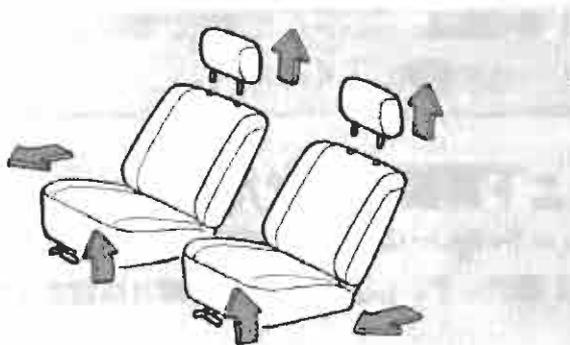
*Recline the last row of seats*



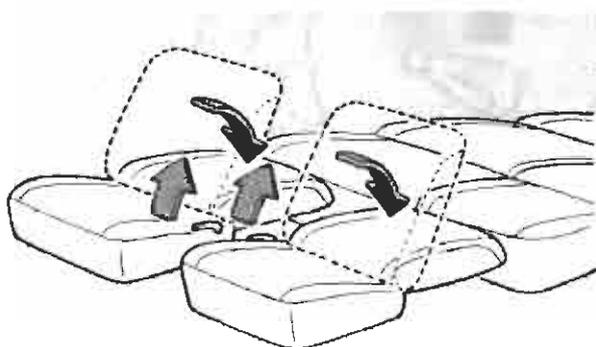
*Remove middle seat head rests  
Move the seats fully forward*



*Lay middle seats fully back*

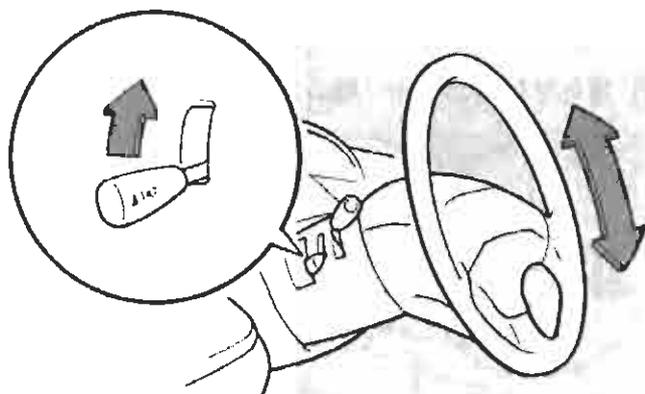


*Remove front seat headrests  
Move seats fully forward*



*Lay front seats fully back*

## TILT STEERING

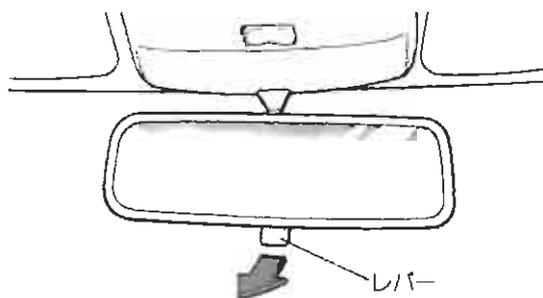


*The tilt lever is located to the left of the steering wheel.*

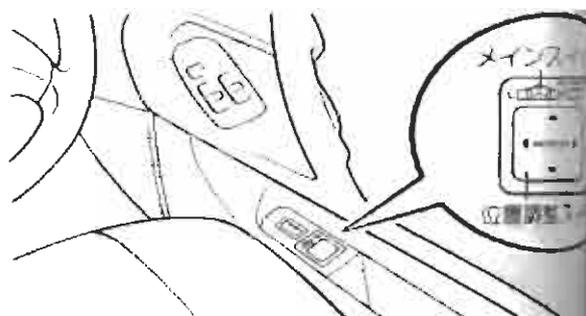
*Pull the lever down, then position the steering wheel height, push lever up to lock into position.*

*Do not adjust whilst driving.*

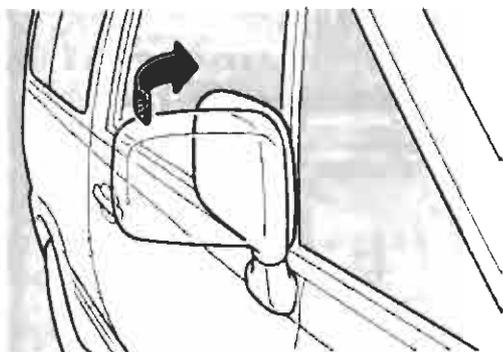
## MIRRORS



*Rear view mirror adjuster, to reduce glare when vehicle lights from behind are too bright.*



*Electric Door Mirror adjuster (optional)  
Set ignition to ACC or ON position.  
Select left or right wing mirror, then use button cursors to adjust mirror angle.  
Once adjustment made return initial switch to middle position.*



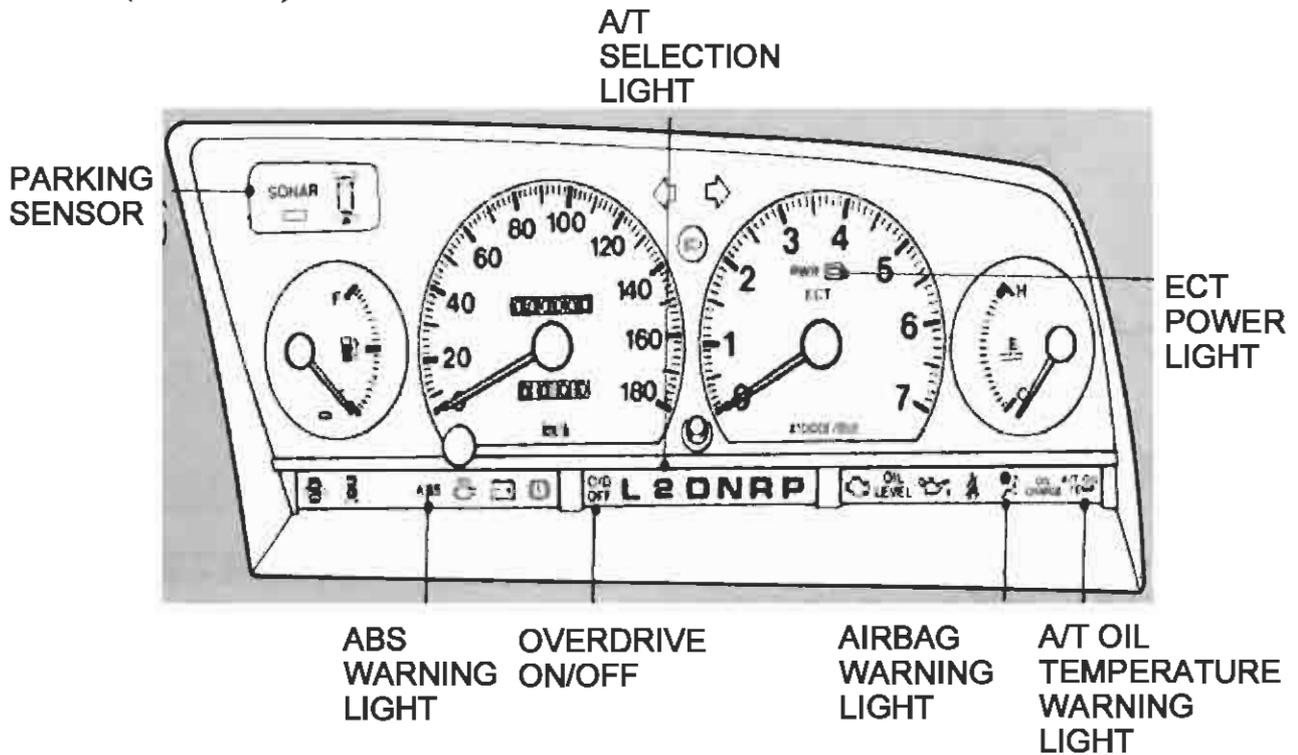
*Manual Mirror housings fold by hand.*



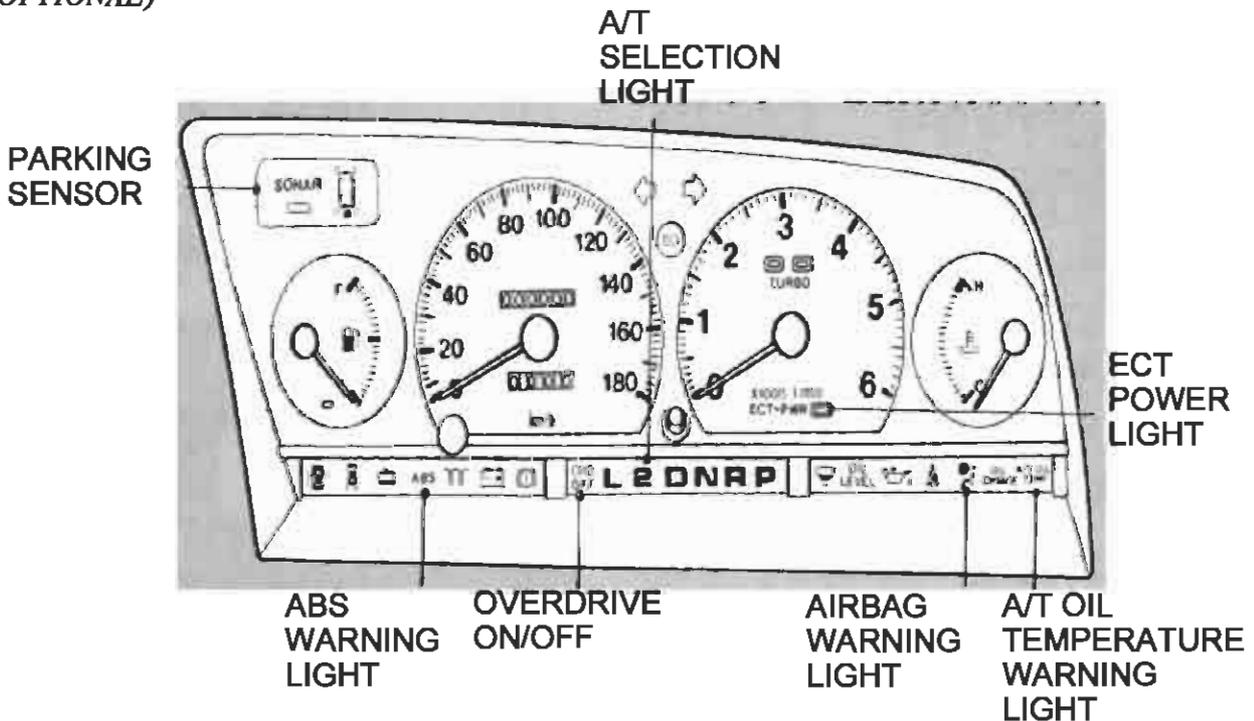
*Electric mirror housing (optional)  
Set ignition to ACC or ON position,  
press \* to retract mirrors.*

## DASHBOARD DISPLAY AND WARNING LIGHTS

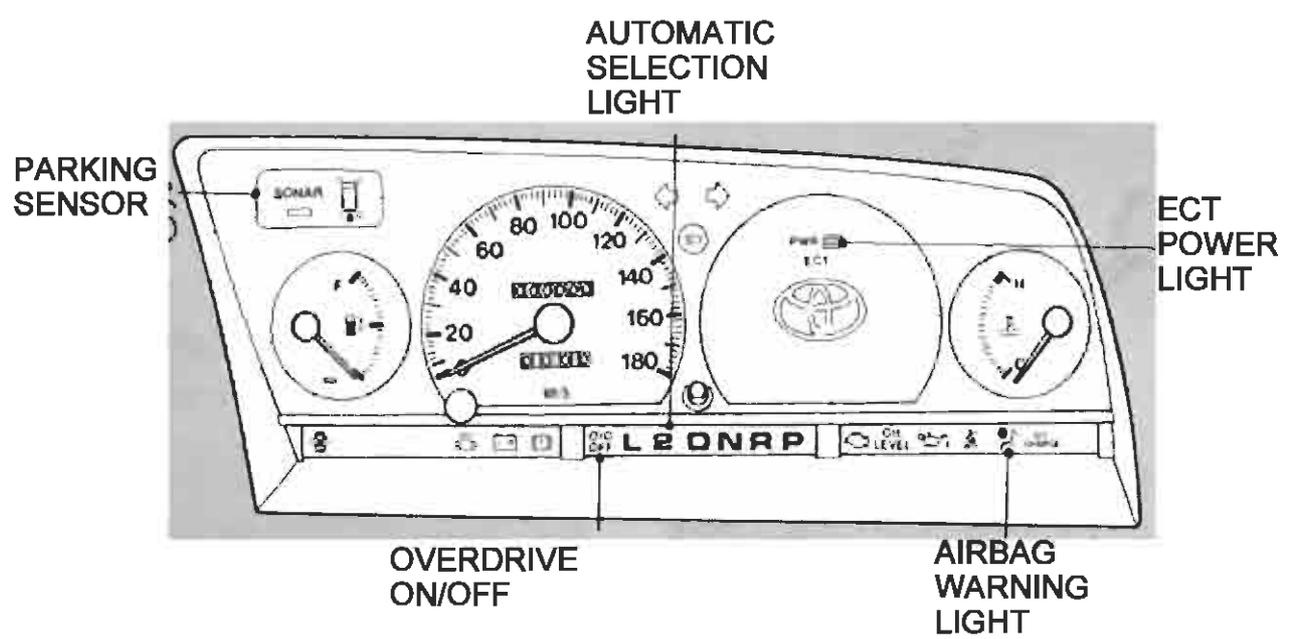
*G, S, X MODELS  
PETROL (OPTIONAL)*



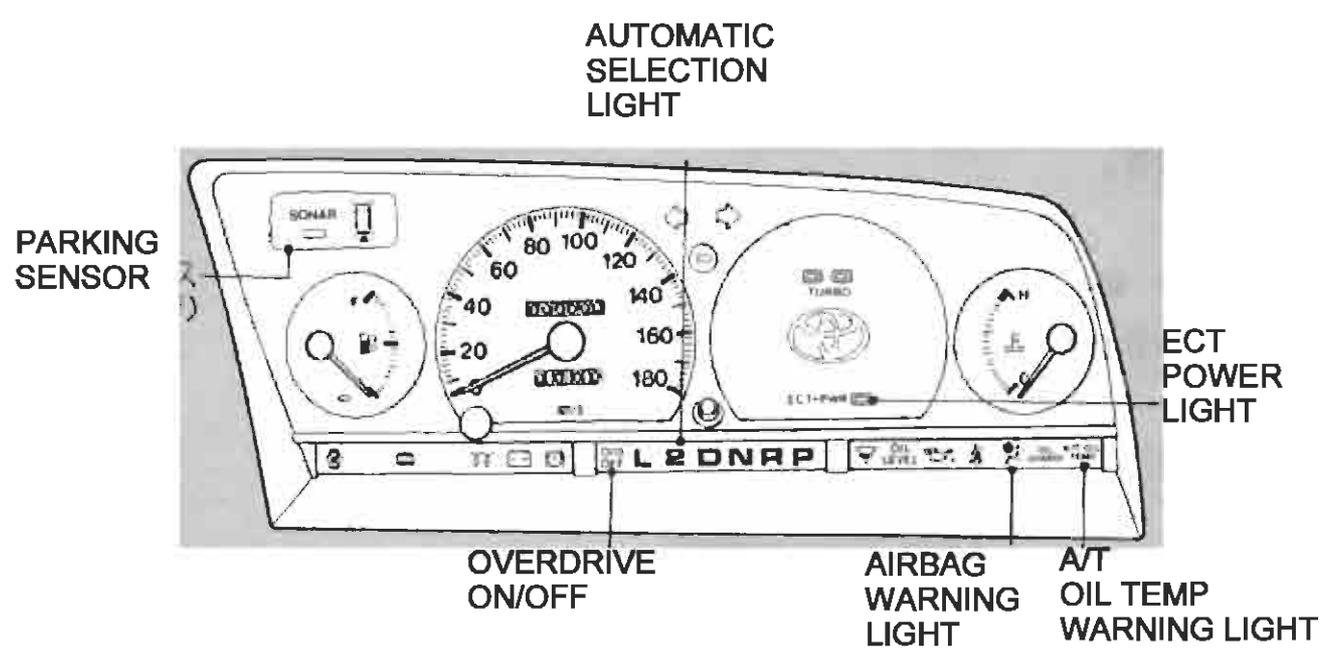
*G, X MODELS DIESEL  
(OPTIONAL)*

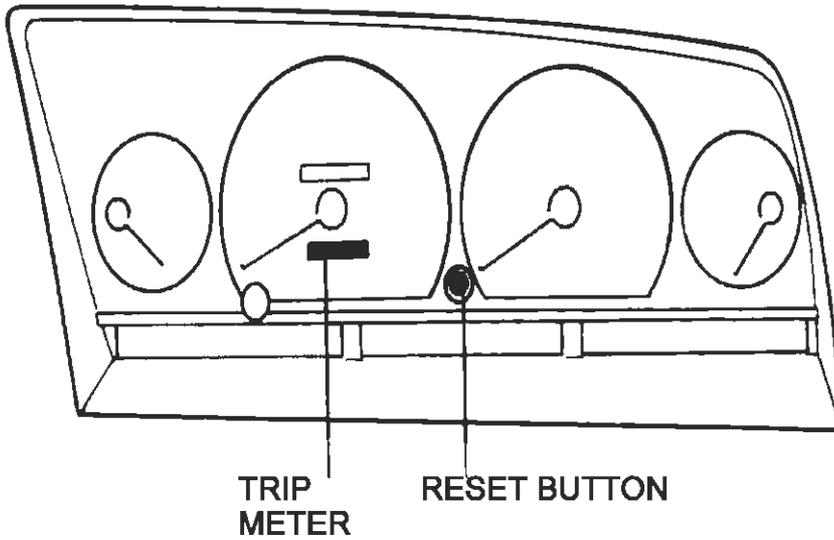


**F MODELS PETROL  
(OPTIONAL)**



**F, D MODELS DIESEL  
(OPTIONAL)**



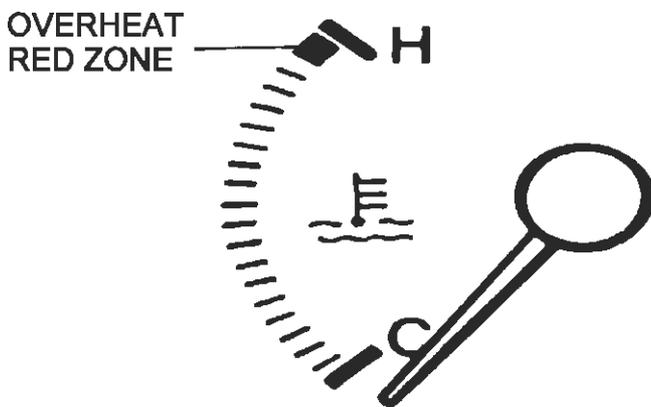


**SPEEDO DISPLAYS  
VEHICLE SPEED**

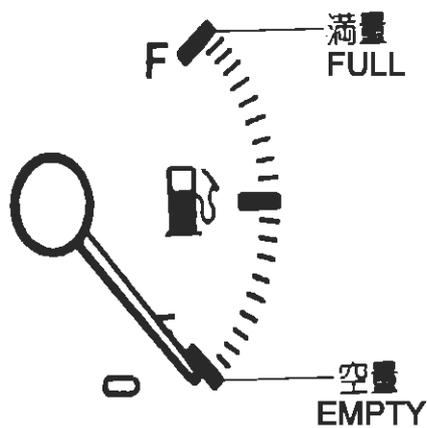
**REV COUNTER  
(OPTIONAL) (caution:  
never drive vehicle when  
needle in red area)**

**ODOMETER DISPLAYS  
VEHICLE MILEAGE**

**TRIP METER SHOWS  
TOTAL OF MILES  
TRAVELLED SINCE LAST**



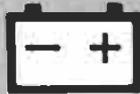
**WATER TEMPERATURE  
DISPLAY SHOWS COOLANT  
TEMPERATURE.  
IF DISPLAY NEEDLE  
REACHES RED ZONE STOP  
IMMEDIATELY.**



**FUEL DISPLAY.  
DISPLAYS LEVEL OF FUEL.**

## WARNING LIGHTS

**ALL WARNING LIGHTS WILL APPEAR WHEN IGNITION IS FIRST SWITCHED ON HOWEVER THEY SHOULD GO OUT SHORTLY AFTER. IF LIGHTS REMAIN ON/APPEAR WHEN DRIVING THERE MAY BE A FAULT.**



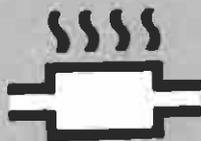
### **BATTERY LIGHT**

**THIS LIGHT WILL APPEAR WHEN THERE IS A PROBLEM WITH THE BATTERY / CHARGING CIRCUIT. IF LIGHT APPEARS WHILST DRIVING IT MAY INDICATE A BROKEN BELT / FAULTY WIRING. STOP VEHICLE IMMEDIATELY AND CONTACT YOUR NEAREST SERVICE CENTRE.**



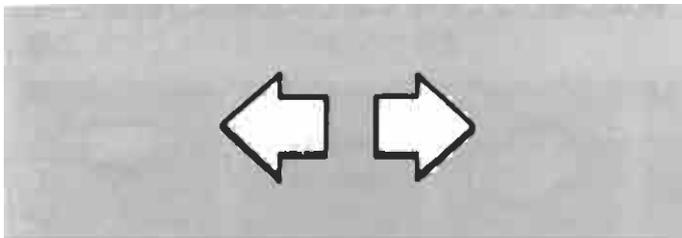
### **OIL PRESSURE LIGHT**

**IF THIS LIGHT APPEARS IT INDICATES THAT OIL PRESSURE IS LOW (DOES NOT INDICATE ENGINE OIL LEVEL) STOP VEHICLE IMMEDIATELY AND CONTACT YOUR NEAREST SERVICE CENTRE.**



### **EXHAUST TEMPERATURE LIGHT (PETROL)**

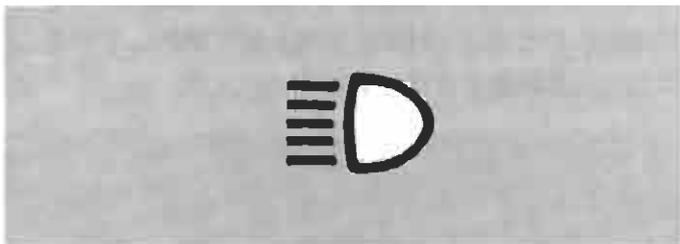
**IF THIS LIGHT SHOWS ACCOMPANIED BY THE BATTERY WARNING LIGHT. THE INTERNAL TEMP OF THE CATALYTIC CONVERTOR HAS RISEN ABOVE NORMAL. STOP THE VEHICLE IMMEDIATELY, REST ENGINE FOR 10 MINUTES. IF LIGHT GOES OUT AFTER RESTARTING ENGINE IT IS SAFE TO CONTINUE. IF NOT CONSULT YOUR NEAREST SERVICE CENTRE.**



**INDICATOR LIGHTS**

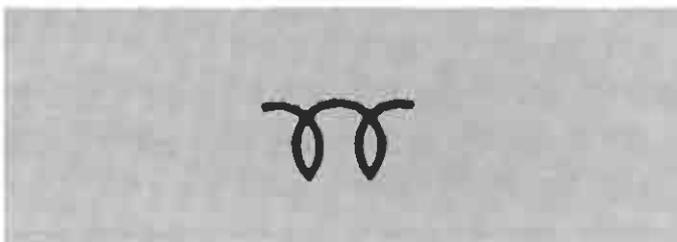
**WHEN INDICATOR LEVER IS IN USE THE APPROPRIATE LIGHT WILL FLASH IE LEFT OR RIGHT.**

**ACTIVATING THE HAZARD LIGHT SWITCH WILL MAKE ALL INDICATOR LIGHTS FLASH ALONG WITH BOTH ARROWS.**



**FULL BEAM HEADLIGHT**

**WILL LIGHT WHEN FULL BEAM IS ACTIVATED**



**PRE HEAT INDICATOR LIGHT (DIESEL)**

**WHEN THE ENGINE SWITCH IS FIRST TURNED THIS INDICATOR WILL BE LIT, WHEN ENGINE HAS REACHED PRE HEAT TEMPERATURE THE LIGHT WILL GO OUT, SHOWING THAT THE ENGINE IS NOW WARM ENOUGH TO START.**

**OIL  
LEVEL**

***OIL LEVEL***

***THIS WILL LIGHT WHEN ENGINE OIL LEVEL IS LOW (CHECK OIL LEVEL IMMEDIATELY)***

***IN DIESEL ENGINES THE LIGHT WILL FLASH IF LEVELS ARE TOO HIGH -THIS MAY INDICATE FAULT WITH THE SYSTEM. CONTACT YOUR NEAREST SERVICE CENTRE.***



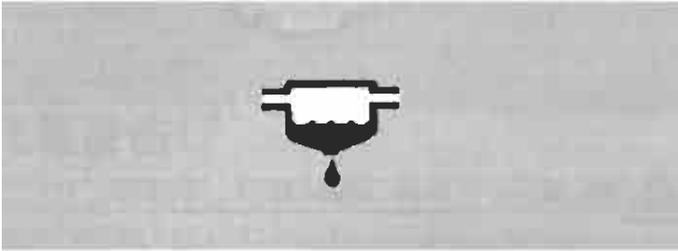
***ENGINE LIGHT***

***THIS INDICATES A FAULT WITH THE VEHICLE'S ELECTRICAL SYSTEM/ENGINE. DRIVE TO YOUR NEAREST SERVICE CENTRE AS SOON AS POSSIBLE ( IF TURBOT DIESEL ENGINE KEEP REVS BELOW 2000 RPM )***

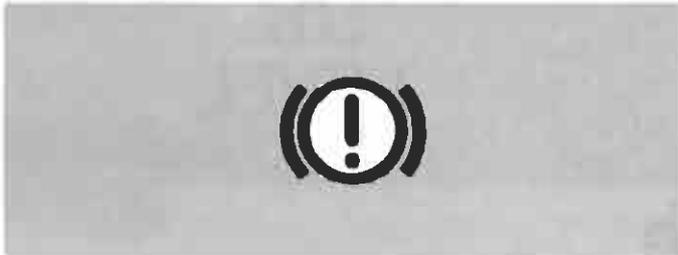


***RADIATOR LEVEL (DIESEL)***

***THIS INDICATES THE COOLANT LEVEL OF THE SECONDARY RADIATOR TANK IS LESS THAN THE RECOMMENDED LEVEL. CHECK LEVELS IMMEDIATELY.***



**FUEL WATER FILTER**  
**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. SHOULD THIS LIGHT AND THE BATTERY WARNING LIGHT APPEAR TOGETHER THIS INDICATES A CHARGING PROBLEM, NOT A FUEL WATER FILTER PROBLEM.**

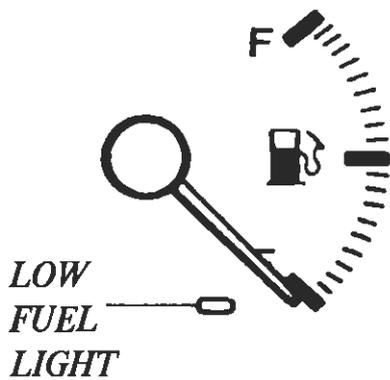


**BRAKE WARNING LIGHT**  
**THIS APPEARS WHEN THE BRAKE FLUID IS LOW OR IF THERE IS A FAULT WITH THE BRAKE BOOSTER SYSTEM (DIESEL ONLY) IT ALSO APPEARS WHEN THE PARKING BRAKE IS ON.**



**OIL CHANGE LIGHT**  
**THIS LIGHT INDICATES WHEN THE ENGINE OIL SHOULD BE CHANGED. THE LIGHT WILL HAVE TO BE RESET AFTER OIL CHANGE.**

**OIL CHANGE RESET BUTTON**  
**(LOCATED NEAR TRIP METER RESET BUTTON)**  
**REMOVE THE CAP AND PUSH BUTTON WITH SLIM PENCIL ETC**



**LOW FUEL LIGHT**

**THIS LIGHT INDICATES THAT THERE IS APPROX 10 LITRES OF FUEL LEFT IN TANK.**

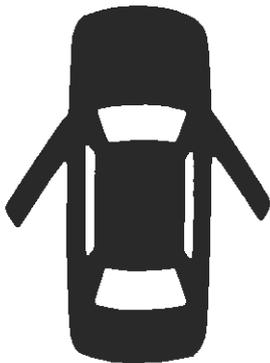


**BLOWN LIGHT BULB (G , X OPTIONAL)**

**THIS INDICATES A TAIL OR BRAKE LIGHT BULB HAS BLOWN.**

**IF LIT WHEN LIGHTS ARE ON IT SHOWS THAT A TAIL BULB HAS BLOWN.**

**IF LIT WHEN BRAKE PEDAL PRESSED A BRAKE LIGHT BULB HAS BLOWN.**



**DOOR OPEN**

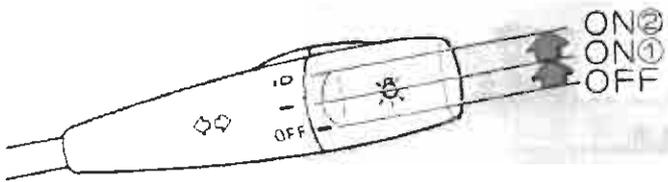
**IF ANY DOOR IS OPEN THIS WILL BE LIT.**



**SEAT BELT WARNING LIGHT**

**THIS WILL BE LIT WHILST IGNITION IS IN 'ON' POSITION - UNTIL DRIVERS SEAT BELT IS IN USE.**

# LIGHT OPERATION



## LIGHT SWITCH LEVER

ON 1 =

HEADLIGHTS OFF

TAIL LIGHTS ON

NUMBER PLATE LIGHT ON

DASHBOARD DIAL LIGHT ON

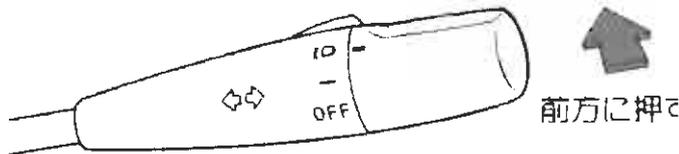
ON 2 =

HEADLIGHTS ON

TAIL LIGHTS ON

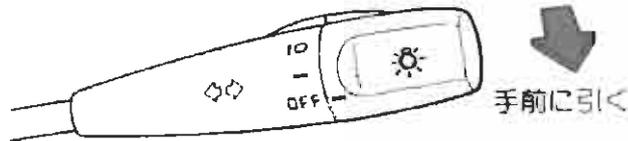
# PLATE LIGHT ON

DASHBOARD DIAL LIGHT ON

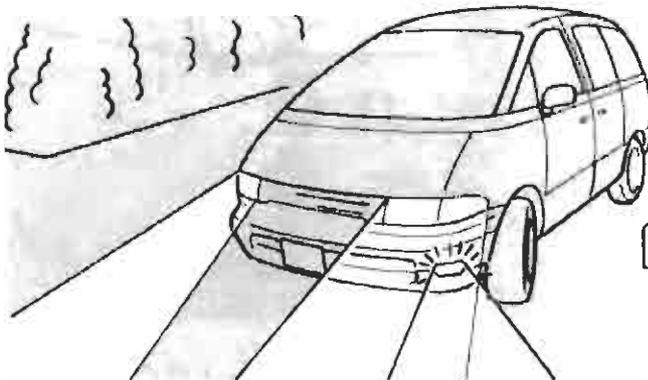


## FULL BEAM

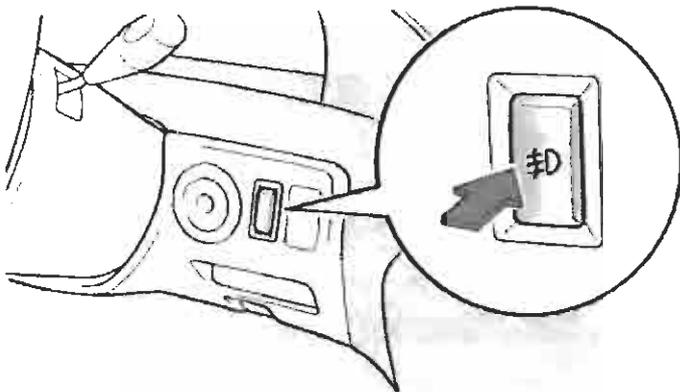
THIS IS OBTAINED BY PUSHING LEVER FORWARD.



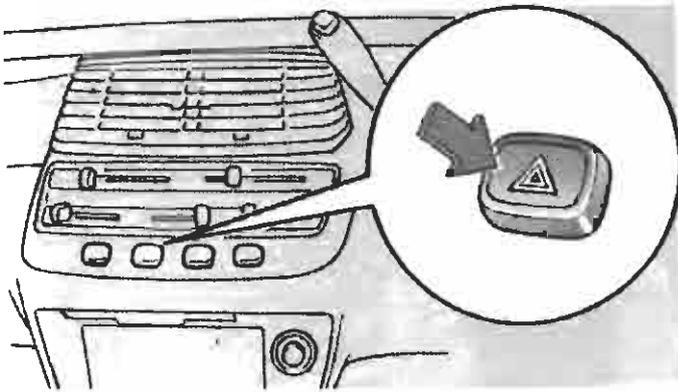
FLASHING FULL BEAM IS OBTAINED BY PULLING LEVER TOWARDS YOU BRIEFLY.



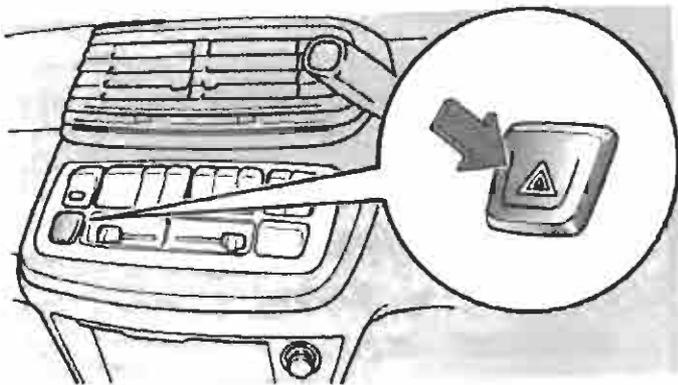
CORNERING LIGHTS (OPTIONAL) INDICATOR TURNING LIGHT WHEN HEADLIGHTS ARE IN OPERATION AND YOU ARE INDICATING, A FURTHER LIGHT IS LIT (CORNERING LIGHT) TO ILLUMINATE THE ROAD IN THE DIRECTION YOU ARE TURNING. THIS AUTOMATICALLY TURNS OFF WHEN INDICATOR GOES OFF.



**FRONT LIGHT BUTTON (OPTIONAL)  
WILL ONLY LIGHT WHEN  
HEADLIGHTS ARE SWITCHED ON.**

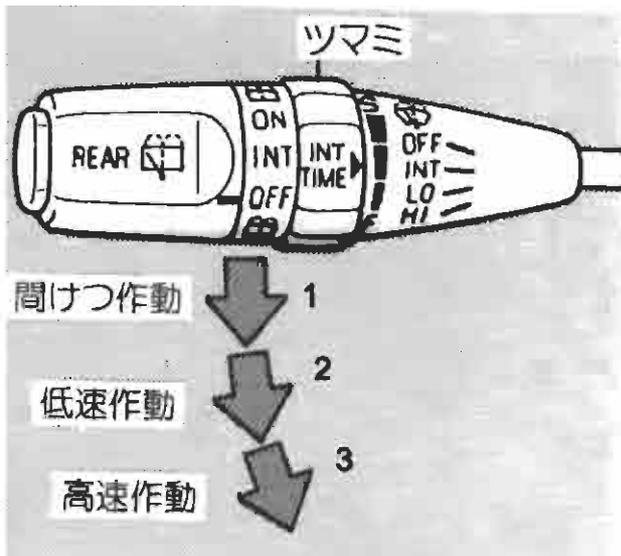


**HAZARD LIGHT SWITCH  
(S, X, F, D MODELS)  
PRESSING THE SWITCH WILL  
ACTIVATE ALL INDICATOR LIGHTS.**



**HAZARD LIGHT SWITCH  
(G MODEL)  
PRESSING THE SWITCH WILL  
ACTIVATE AL INDICATOR LIGHTS.**

# WIPERS AND WASHER SWITCHES



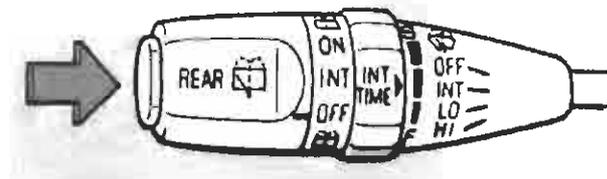
## FRONT WIPERS

### LEVER POSITION

- 1 - 1 TWIST DOWN : INTERMITTENT
- 2 - 2 TWISTS DOWN : SLOW SPEED
- 3 - 3 TWISTS DOWN : HIGH SPEED

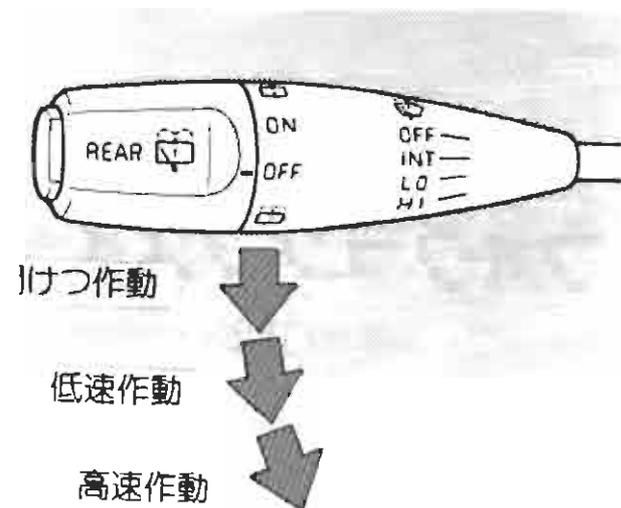
IN INTERMITTENT SETTING, THE INTERVALS OF THE WINDOW WIPER CAN BE ADJUSTED FROM 3- 12 SECONDS BY ADJUSTING THE 'INT' TIME CONTROL.

TO SPRAY FRONT WINDOW PULL LEVER TOWARDS YOU.



## FRONT WASHER JETS

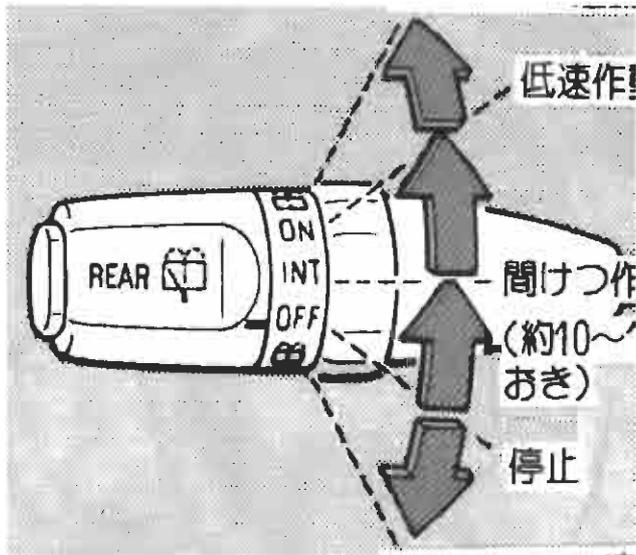
THE FRONT WINDOW SPRAY IS OPERATED BY PRESSING THE BUTTON AT THE END OF THIS LEVER.



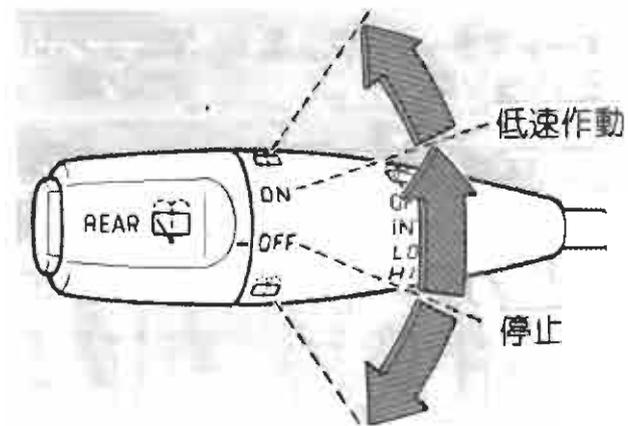
## WIPER WITHOUT INTERMITTENT SETTING

OPERATION AS PER FIRST DIAGRAM.

# REAR WIPERS

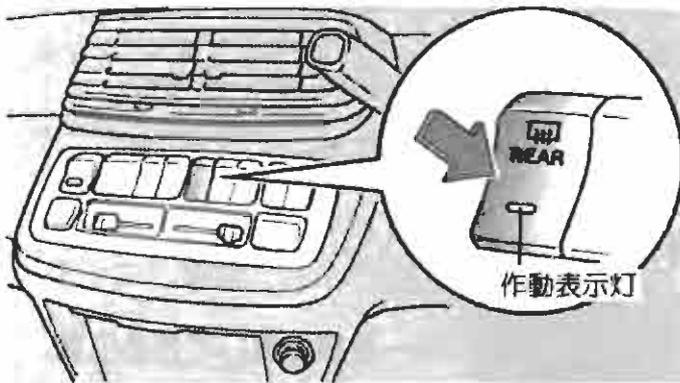


**REAR WIPERS  
LEVER POSITION**  
**TWIST FULLY UP OR FULLY DOWN FOR  
REAR WASHER JETS.**  
**OFF = OFF**  
**INT = INTERMITTENT**  
**ON = ON**



**AS PER INSTRUCTION ABOVE WITHOUT  
INTERMITTENT OPTION.**

## ***REAR HEATED SCREEN OPERATION***



***REAR HEATED SCREEN  
(G MODEL)  
PUSH BUTTON TO ACTIVATE.  
ONCE SCREEN HAS CLEARED  
DE-ACTIVATE***



***REAR HEATED SCREEN  
(X, F MODEL)  
PUSH BUTTON TO ACTIVATE.  
ONCE SCREEN HAS CLEARED  
DE-ACTIVATE***

# IGNITION

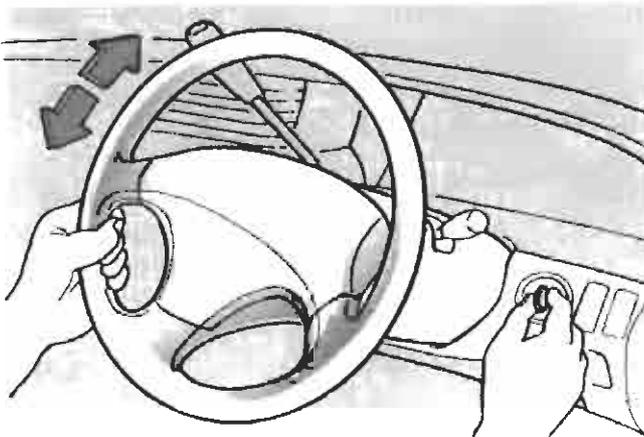


**LOCK :** IN THIS POSITION THE STEERING WHEEL IS LOCKED UNLESS THE KEY IS INSERTED.

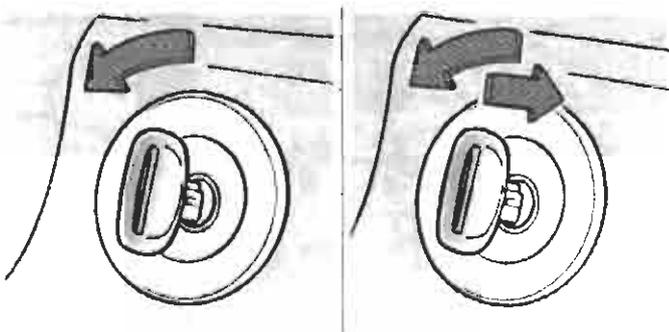
**ACC:** IN THIS POSITION ALL ACCESSORIES WILL BE OPERATIONAL (ENGINE WILL NOT RUN)

**ON :** AFTER STARTING THE ENGINE THE KEY WILL REST IN THIS POSITION (ENGINE IS RUNNING)

**START :** ONLY USE THIS POSITION TO START THE ENGINE. THE KEY WILL REST IN THE ON POSITION.



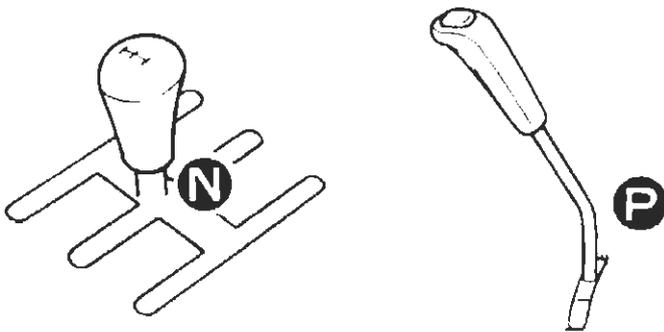
**TURNING THE KEY FROM THE LOCK POSITION TO THE ACC POSITION. IF THE KEY IS DIFFICULT TO MOVE FROM LOCK TO ACC TURN THE STEERING WHEEL GENTLY.**



**TURNING THE KEY FROM ACC TO LOCK.**

**IN AUTOMATIC GEAR BOX VERSIONS THE VEHICLE MUST BE IN THE 'P' (PARK) POSITION BEFORE REMOVING THE KEY.**

## *START / STOP*



**BEFORE STARTING YOUR VEHICLE, ENSURE THE VEHICLE IS IN NEUTRAL FOR MANUAL VEHICLES AND PARK FOR AUTOMATIC VEHICLES.**

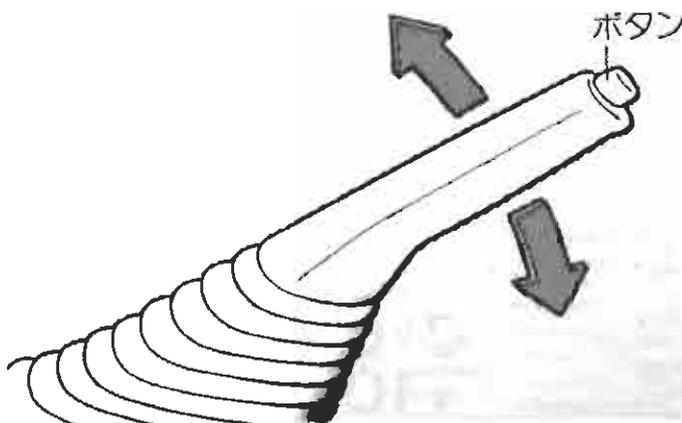


**PRE HEAT INDICATOR LIGHT (DIESEL)**

**WHEN THE ENGINE SWITCH IS FIRST TURNED, THIS INDICATOR WILL BE LIT.**

**WHEN ENGINE HAS REACHED PRE HEAT TEMPERATURE THE LIGHT WILL GO OUT, SHOWING THAT THE ENGINE IS NOW WARM ENOUGH TO START.**

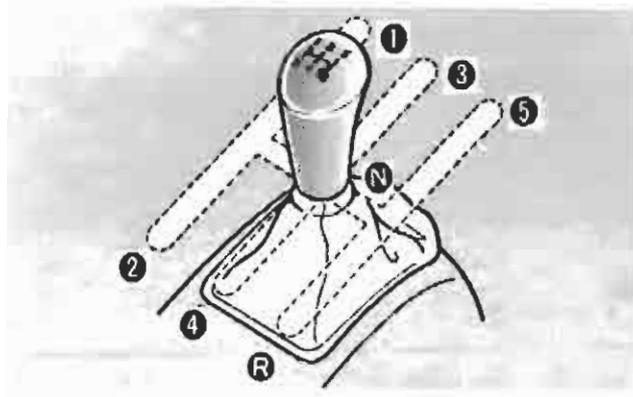
**TURN THE KEY TO START (WITHOUT ACCELERATOR) AND ALLOW ENGINE TO WARM BEFORE DRIVING.**



**HAND BRAKE**

**PULL HAND BRAKE UP TO LOCK BRAKES IN PARKING POSITION. TO RELEASE HANDBRAKE LIFT SLIGHTLY UPWARDS AND PRESS BUTTON THEN PUSH DOWN.**

# MANUAL GEARBOX



**DEPRESS CLUTCH FULLY BEFORE CHANGING GEAR.**

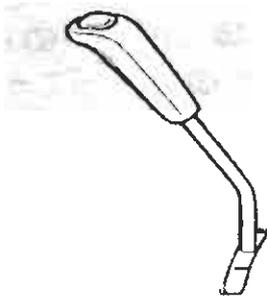
**NOTE: TO SAVE DAMAGE TO GEAR BOX YOU CANNOT CHANGE FROM 5TH GEAR TO REVERSE WITHOUT FIRST PLACING IN NEUTRAL (N)**

## ENGINE TYPE

GEAR	エンジン型式		
	シフト位置	2TZ-FE	3C-T
1速		35	25
2速		65	50
3速		95	80
4速		135	110

**MAXIMUM SPEED FOR EACH GEAR IN KM/H**

# AUTOMATIC GEARBOX



*AUTOMATIC GEAR SELECTOR ARM*

**P**

(パーキング)

**P : PARK**  
PLACE SELECTOR IN THIS POSITION WHEN PARKING/STARTING. TO REMOVE THE KEY WHEN TURNING OFF THE ENGINE SELECTOR MUST BE IN THIS POSITION.

**R**

(リバース)

**R : REVERSE**  
REVERSING VEHICLE.  
NOTE : A BUZZER WILL SOUND WHEN IN THIS POSITION.

**N**

(ニュートラル)

**N : NEUTRAL**  
THE VEHICLE MAY BE STARTED IN THIS POSITION ALTHOUGH ITS MAIN USE IS WHEN THE VEHICLE IS STATIONARY BUT NOT PARKED.

**D**

(ドライブ)

**D : 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 THEN 4-1 DEPENDING ON SPEED/POWER DESIRED.

**2**

(セカンド)

**2 : SECOND**  
SELECT THIS GEAR WHEN TRAVELLING UP AND DOWN HIGH GRADIENT HILLS, AS HAS STRONGER ENGINE BRAKING.

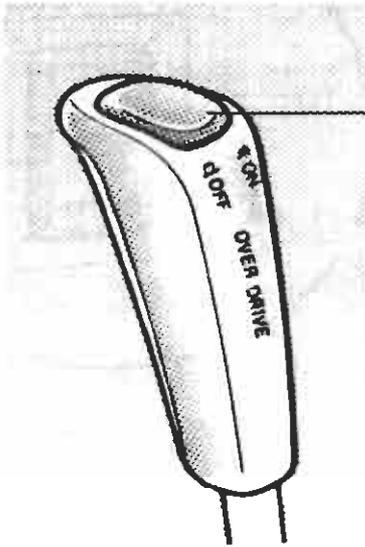
**L**

(ロー)

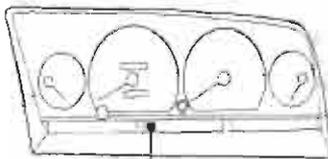
**L : LOW**  
SELECT THIS GEAR WHEN TRAVELLING UP AND DOWN EXTREMELY HIGH GRADIENT HILLS, AS IT HAS THE STRONGEST ENGINE BRAKING.  
NOTE : DO NOT GO TOO FAST IN THIS GEAR AS IT IS FOR LOW SPEED POWER AND HEAVY ENGINE BRAKING.

***AUTOMATIC TRANSMISSION GEAR SPEEDS IN KM/H***

エンジン型式 シフト位置	2TZ-FE	3C-T
L	50	35
2	85	65



***OVERDRIVE SWITCH***  
***ACTIVATING THE OVERDRIVE SWITCH***  
***(DEPRESSING BUTTON) WILL ENGAGE A***  
***HIGH RATIO GEAR (OVERDRIVE)***  
***IN DRIVE GEAR 'D' THIS WILL IMPROVE***  
***FUEL CONSUMPTION AND ENGINE***  
***NOISE. WHEN THE SWITCH IS***  
***DEACTIVATED THE OVERDRIVE***  
***FUNCTION IS OFF AND A DASHBOARD***  
***INDICATOR WILL LIGHT***  
***SEE DIAGRAM BELOW.***

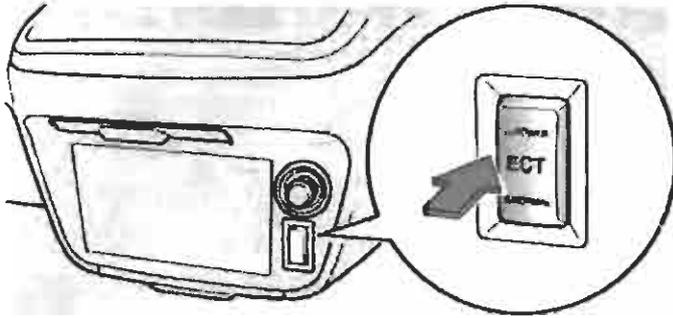


オーバードライブOFF表示灯

**O/D  
OFF**

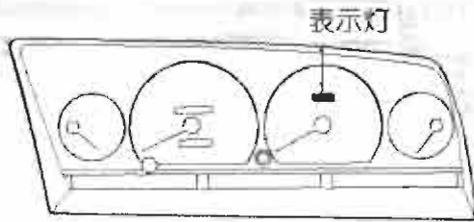
***OVERDRIVE INDICATOR OFF LIGHT***

## *ECT POWER (OPTIONAL)*



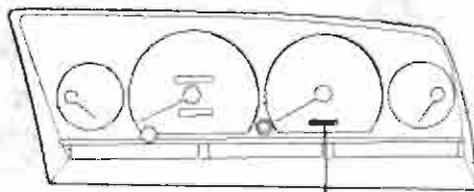
### *ECT SWITCH*

*THIS IS TO PUT THE AUTOMATIC GEAR BOX INTO SPORTS MODE. THE AUTOMATIC GEAR BOX WILL ONLY CHANGE UP JUST BELOW THE RED LINE ON THE REV COUNTER.*



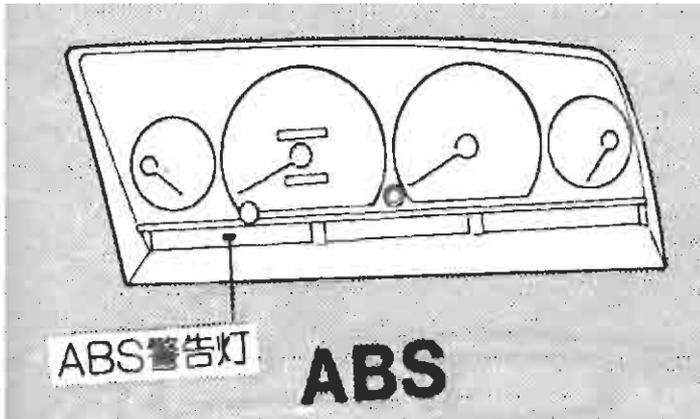
**PWR **  
**ECT**

*LIGHT INDICATOR FOR POWER ECT SELECTION*



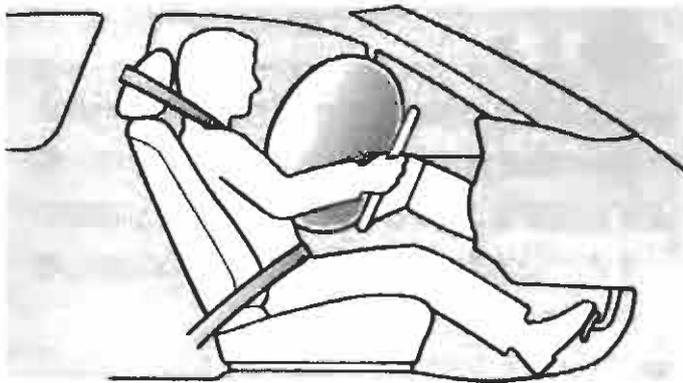
**ECT-PWR **

## ***ABS BRAKING SYSTEM (OPTIONAL)***

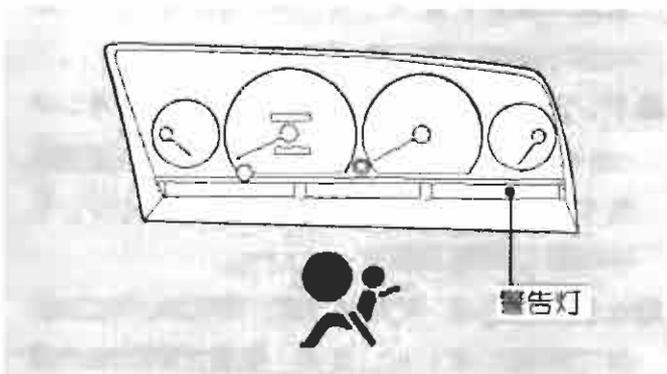


***ANTI LOCK BRAKING SYSTEM PREVENTS THE WHEELS FROM LOCKING DURING HEAVY BRAKING. WHEN THE IGNITION IS FIRST SWITCHED ON THE ABS WARNING LIGHT WILL BE LIT FOR A FEW SECONDS, IF THE LIGHT STAYS LIT DURING NORMAL DRIVING CONDITIONS THERE IS A PROBLEM WITH THE SYSTEM. CONTACT YOUR NEAREST SERVICE CENTRE.***

## ***SRS AIRBAGS (OPTIONAL)***

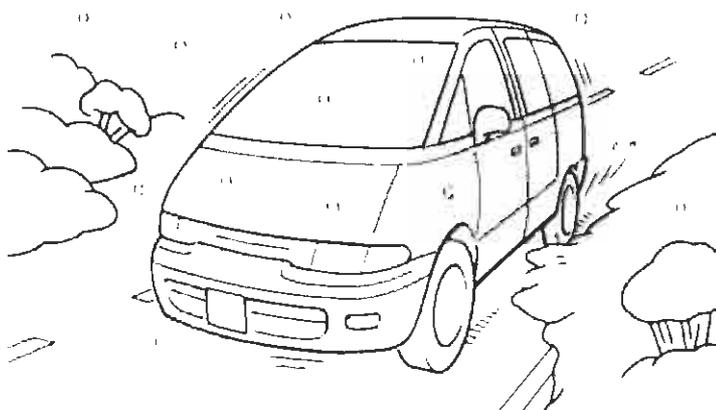


***AIRBAGS ARE FITTED TO REDUCE INJURY WHEN THERE IS A HARD IMPACT TO THE FRONT OF THE VEHICLE (IE CRASH) SEAT BELTS MUST STILL BE WORN AT ALL TIMES. THERE ARE NO OPTIONS TO SWITCH AIR BAGS OFF. ONCE ACTIVATED CANNOT BE REUSED AND WILL HAVE TO BE REPLACED BY YOUR NEAREST SERVICE CENTRE.***

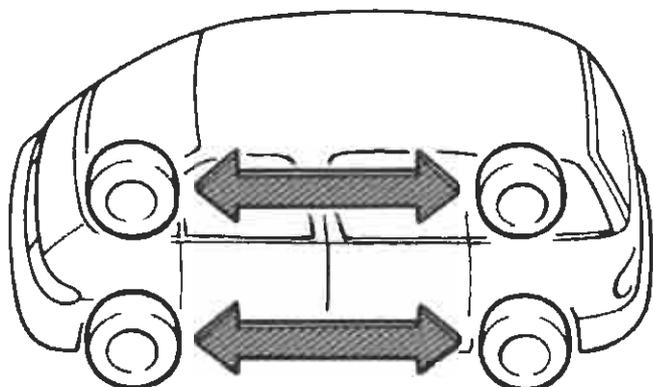


***AIRBAG WARNING LIGHT WHEN THE IGNITION IS FIRST SWITCHED ON THE AIRBAG WARNING LIGHT WILL BE LIT FOR A FEW SECONDS, IF THE LIGHT STAYS LIT OR DOES NOT LIGHT AT ALL THERE IS A PROBLEM WITH THE SYSTEM. CONTACT YOUR NEAREST SERVICE CENTRE. THIS WILL ONLY ACTIVATE DURING A FRONT IMPACT.***

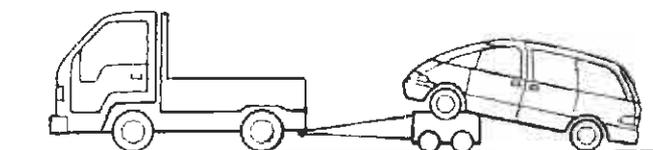
## ***FULL TIME 4WD (OPTIONAL)***



***A VEHICLE WITH THE 4WD OPTION HAS IMPROVED PERFORMANCE WHEN CORNERING AND DRIVING ON SNOWY/WET ROADS. ALTHOUGH IT STILL HAS ITS LIMITATIONS AND IS NOT DESIGNED FOR OFF ROAD USE.***

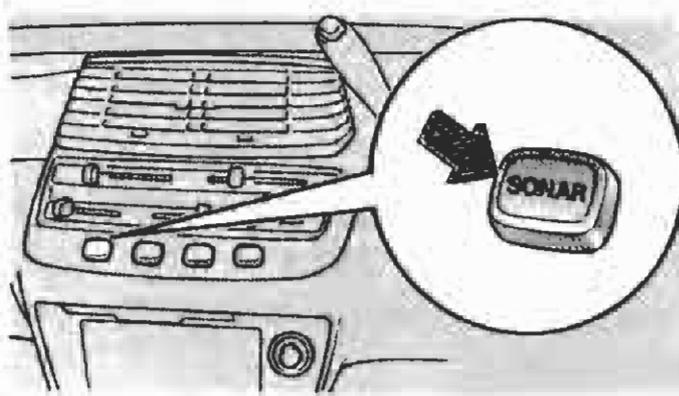


***TYRES  
ALL TYRES MUST BE OF IDENTICAL SIZE AND TYPE TO USE THE 4WD SYSTEM.  
TO MAINTAIN PERFORMANCE ROTATE THE POSITION OF THE TYRES EVERY 3000 MILES.***

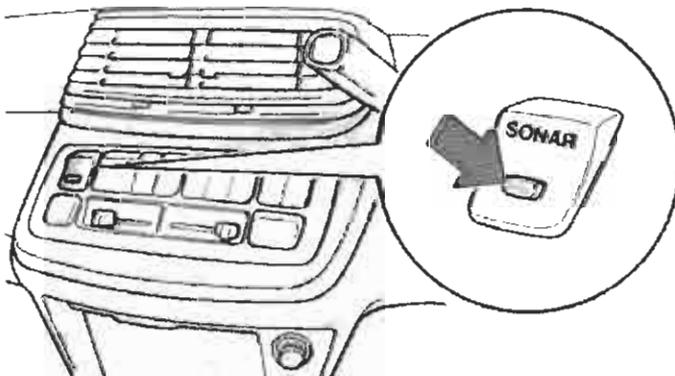


***EMERGENCY TOWING  
FOR 4WD VEHICLES TOW AS BELOW:  
WHEN TOWING THE VEHICLE WITH THE FRONT OR REAR WHEEL LIFTED ALLOW LIFTED WHEELS TO ROTATE FREELY.  
IF SUSPECT PROBLEM WITH DRIVE MECHANISM ALL 4 WHEELS MUST BE LIFTED OFF OF THE GROUND.***

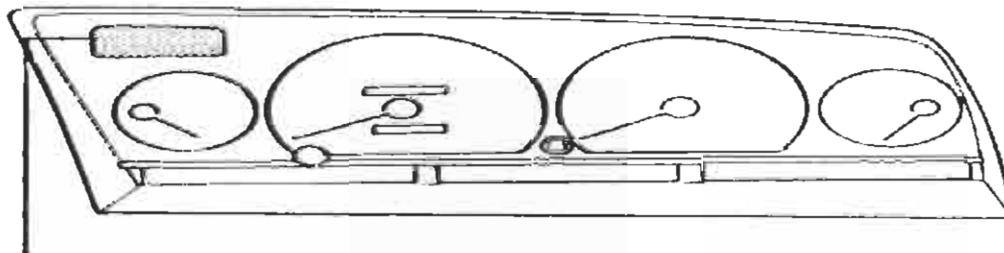
# PARKING SENSORS (OPTIONAL)



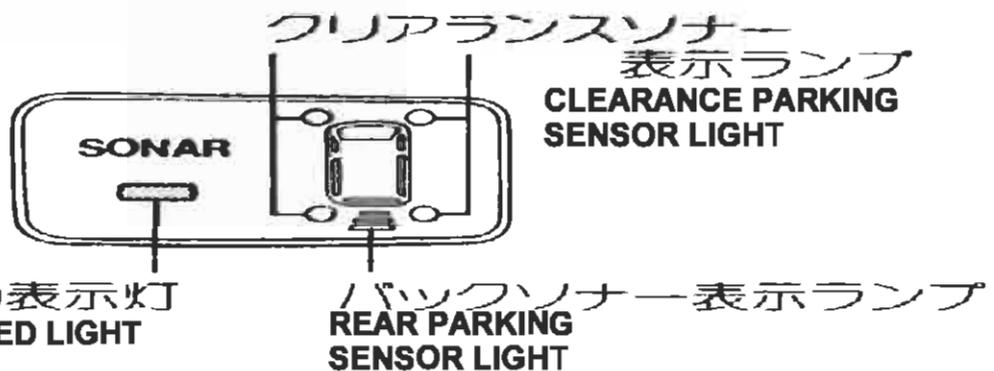
X, F MODELS  
SELECTION BUTTON



G MODEL  
SELECTION BUTTON



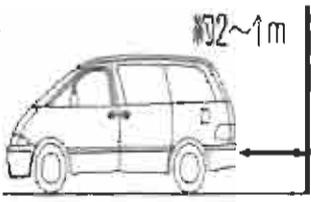
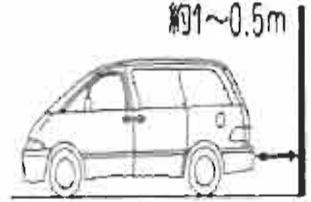
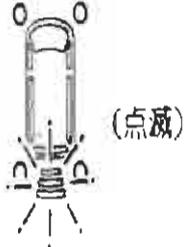
表示部  
DISPLAY



**THE REVERSE PARKING SENSOR IS ONLY ACTIVATED WHEN IN REVERSE.  
NOTE : WILL NOT WORK IF VEHICLE IS TRAVELLING OVER 10 KM/H.**

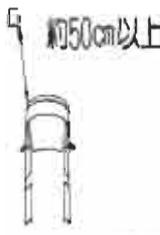
**BACKING PARKING SENSORS**

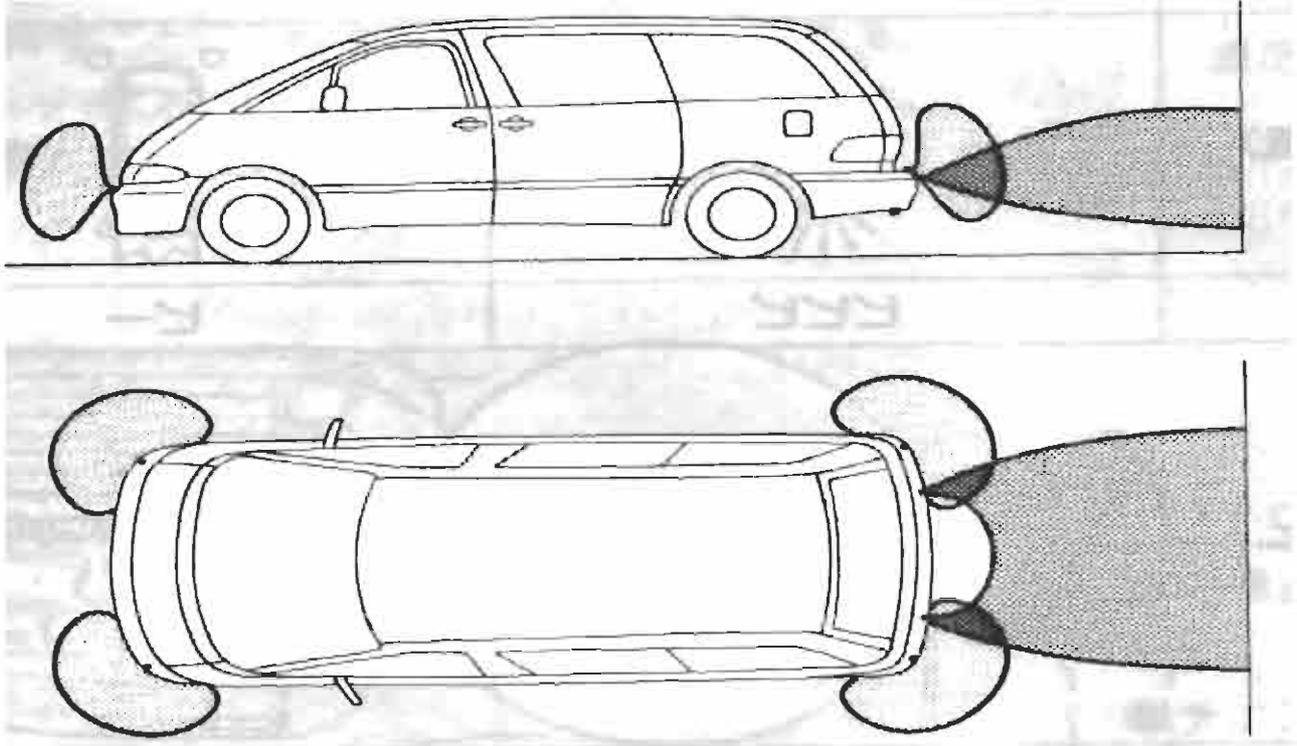
VEHICLE AND OBJECTS APPROX 2 METERS AWAY DOWN TO APPROX 50 CM AWAY.

	 <p>約2~1m</p>	 <p>約1~0.5m</p>	 <p>約0.5m以内</p>
<b>LIGHT OPERATION</b>	 <p>(点滅)</p>	 <p>(点滅)</p>	 <p>(点灯)</p>
<b>BEEPER SOUND</b>	<p>ピッピッピッ</p> <p>SLOW CONTINUAL BEEP</p>	<p>ビビビ</p> <p>FAST BEEP</p>	<p>ビー</p> <p>CONTINUAL BEEP</p>

**CLEARANCE PARKING SENSORS**

VEHICLE AND OBJECTS APPROX 50 CM DOWN TO 20 CM AWAY

	<p>OVER 約50cm以上</p> 	<p>BETWEEN 約50cm~約20cm</p> 	<p>UNDER 約20cm以内</p> 
<b>LIGHT OPERATION</b>	 <p>(消灯)</p>	 <p>(左上の表示ランプが点滅)</p>	 <p>(左上の表示ランプが点灯)</p>
<b>BEEPER SOUND</b>	<p>NO BEEP</p>	<p>FAST BEEP</p>	<p>CONTINUAL BEEP</p>



**NOTE :**

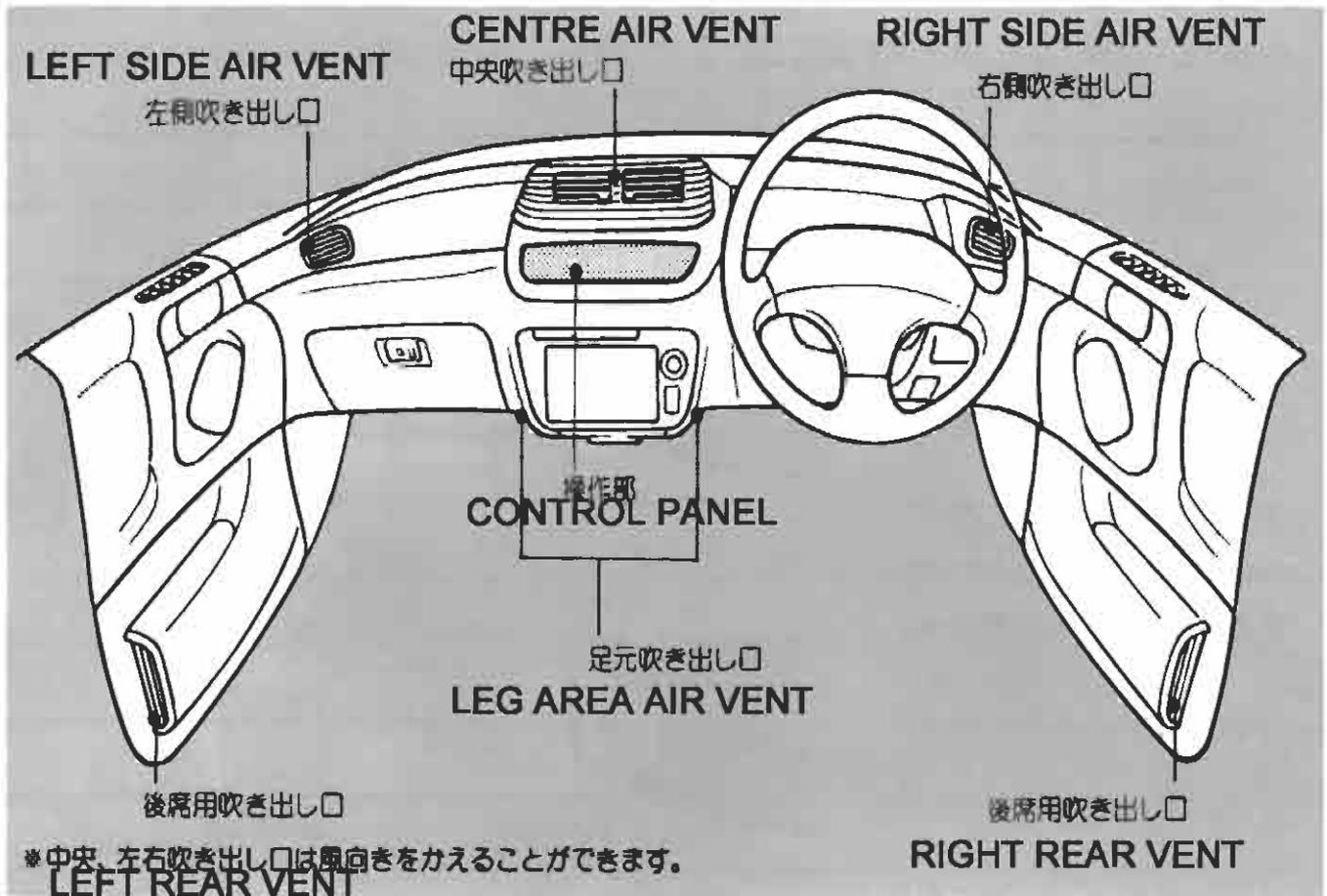
***THE REAR PARKING SENSORS WILL WORK WHEN APPROX 2 METERS AWAY FROM ANY OBJECT.***

***THE CLEARANCE PARKING SENSORS WILL WORK FROM APPROX 50 CM AWAY FROM ANY OBJECT.***

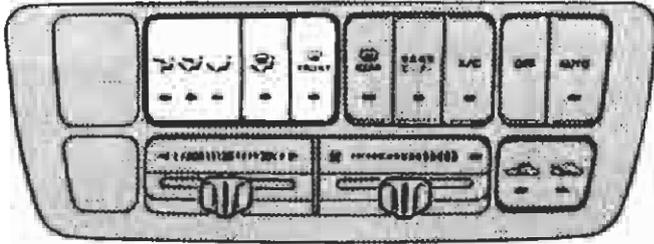
***THE PARKING SENSOR'S SENSITIVITY/OPERATION WILL BE AFFECTED IN EXTREMELY COLD/HOT WEATHER, OR IF SENSORS BECOME DIRTY.***

# AIR CONDITIONING VENTS

## FRONT



# AIR FLOW DIRECTION

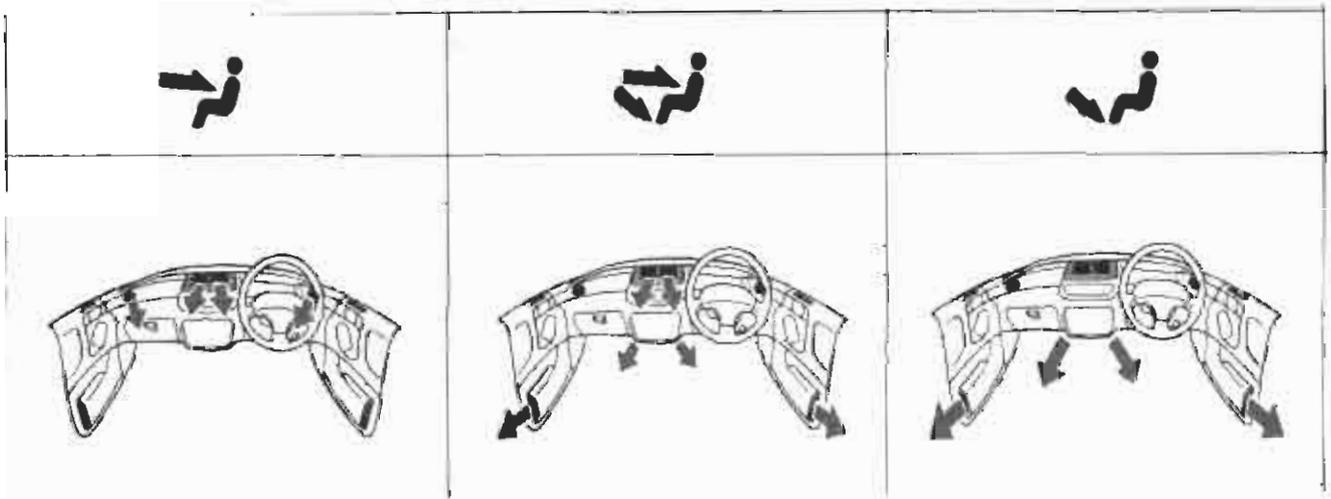


*AIR FLOW CONTROL PANEL  
(OPTIONAL)*

*UPPER BODY  
AREA FLOW*

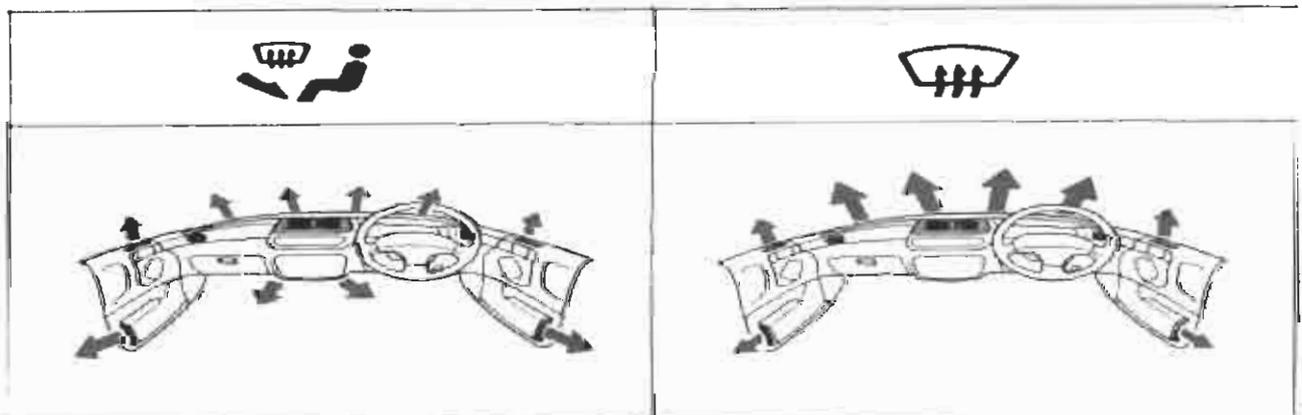
*LEG/UPPER BODY  
AREA FLOW*

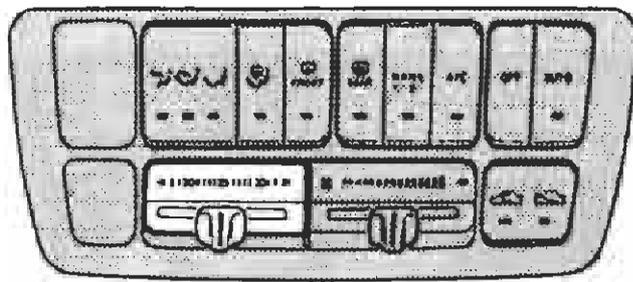
*LEG AREA  
FLOW*



*LEG AREA,  
WINDSCREEN FLOW*

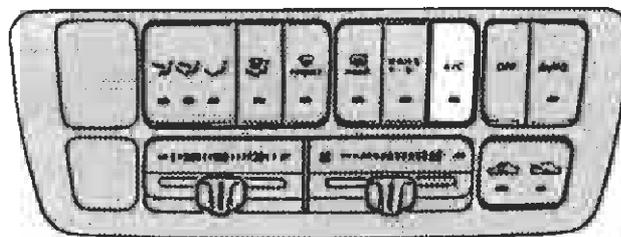
*WINDSCREEN AIR FLOW  
(DE-FOGGER)*



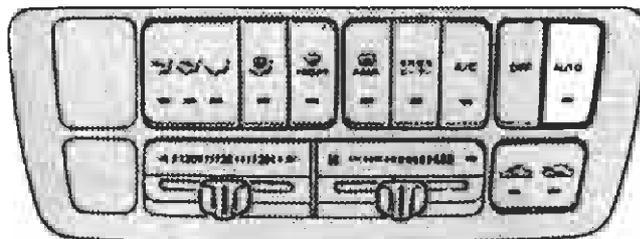


約18°C ← → 約32°C

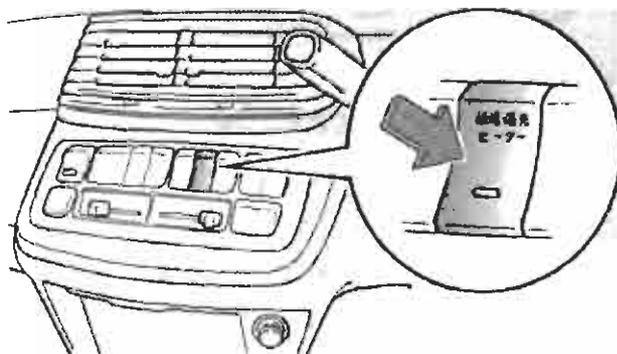
**TEMPERATURE ADJUSTER LEVER**  
(APPROX 18 C TO 32 C)



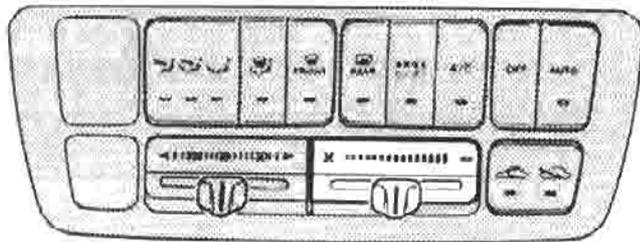
**A/C : AIR CONDITIONING SWITCH**  
ACTIVATE FOR COOLING OR  
DEHUMIDIFYING  
**NOTE : WHEN THE OUTSIDE AIR**  
**TEMPERATURE IS BELOW 0 C THIS**  
**OPTION WILL NOT FUNCTION.**



**AUTO :**  
**WHEN OPERATED THE AIR FLOW**  
**DIRECTION AND FAN SPEED**  
**AUTOMATICALLY ADJUSTS.**  
**NOTE: EXCEPT LEG AREA, AND**  
**WINDSCREEN.**

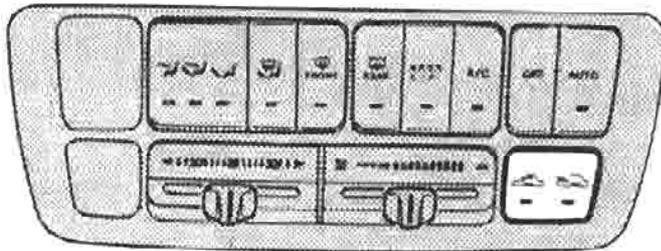


**REAR HEAT PRIORITY SWITCH**  
**WHEN OPERATED WITH THE**  
**FOLLOWING AIR DIRECTIONS (UPPER**  
**BODY, LEG/UPPER BODY, AND LEG**  
**AREA/WINDSCREEN) THE AIR FLOW**  
**TO THE REAR SEATS IS INCREASED.**



**FAN SPEED ADJUSTER**

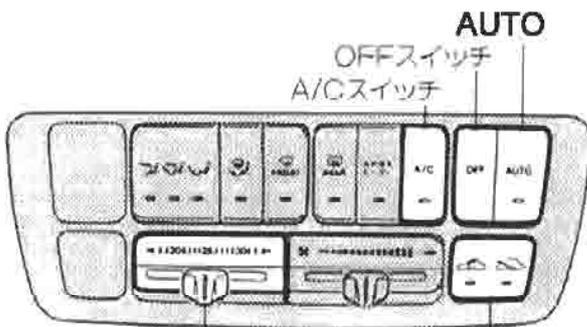
弱 ← → 強



**FRESH AIR SWITCH**



**RECYCLED AIR SWITCH**



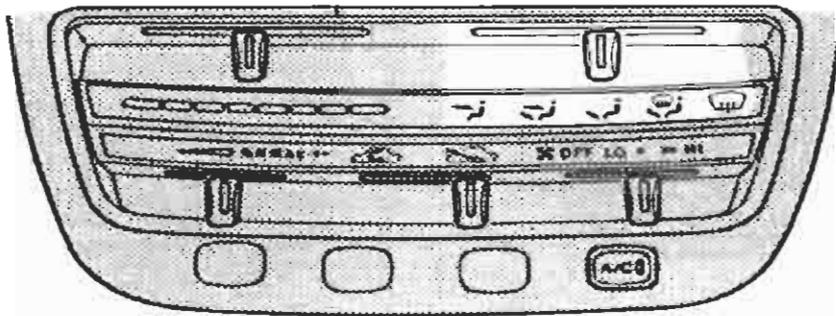
AUTO

OFFスイッチ  
A/Cスイッチ

温度調整レバー  
**TEMPERATURE  
ADJUSTER**

内外気切り替えスイッチ  
**AIR SELECTION  
SWITCH**

**CLIMATE CONTROL OPERATION**  
**PRESS AUTO SWITCH**  
**PRESS A/C SWITCH FOR COOLING**  
**SET TEMPERATURE WITH**  
**TEMPERATURE ADJUSTER.**

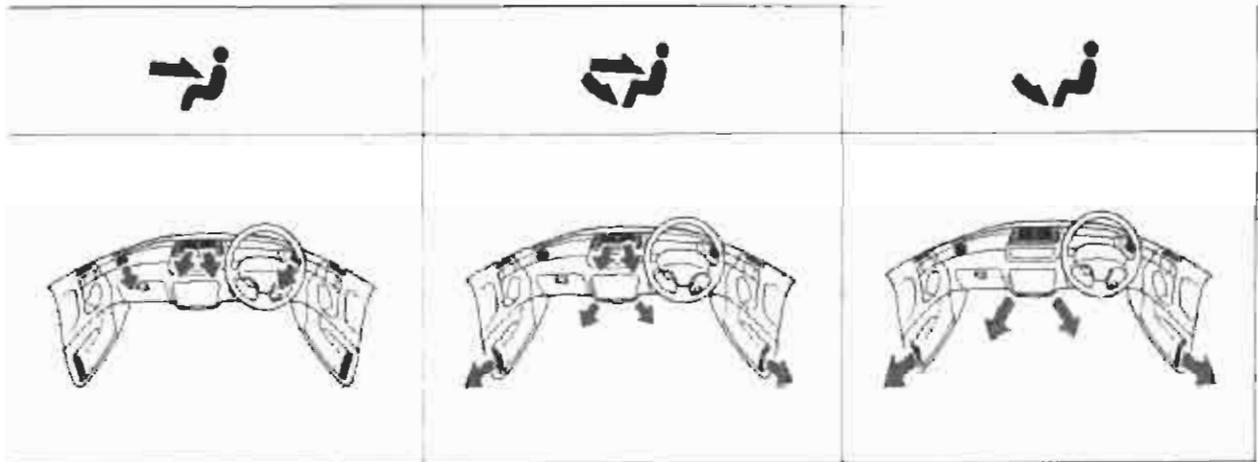


*AIR FLOW CONTROL  
PANEL (OPTIONAL)*

*UPPER BODY  
AREA FLOW*

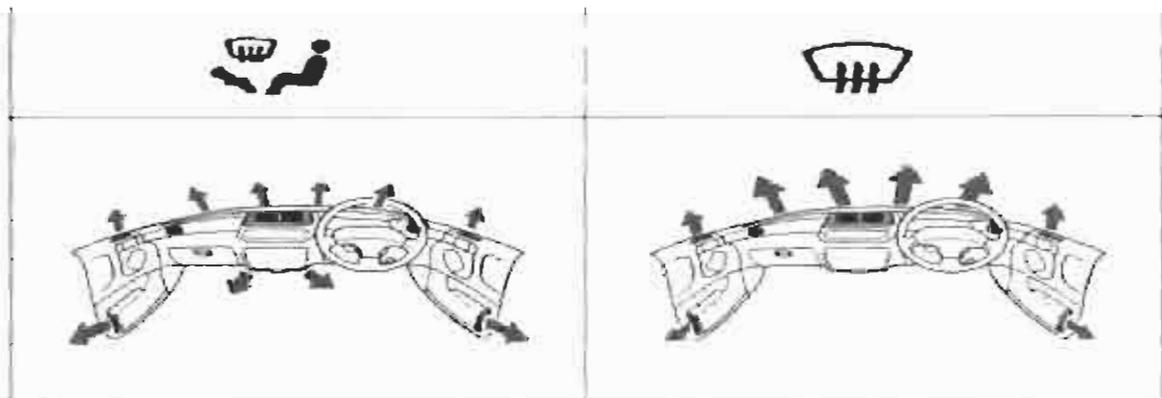
*LEG/UPPER BODY  
AREA FLOW*

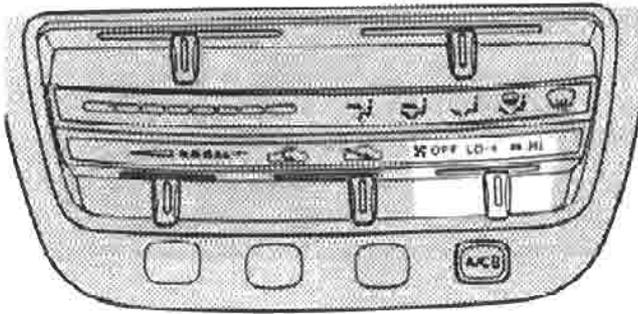
*LEG AREA  
FLOW*



*LEG AREA  
WINDSCREEN FLOW*

*WINDSCREEN AIR  
FLOW (DE-FOGGER)*

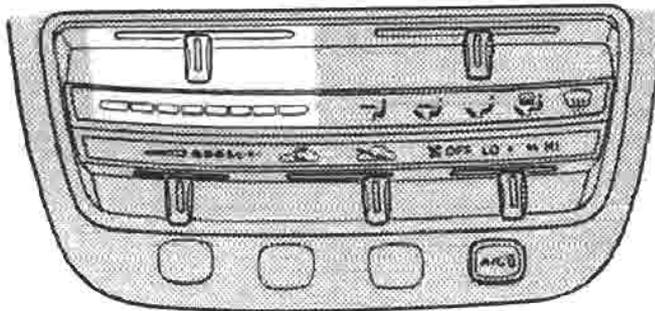




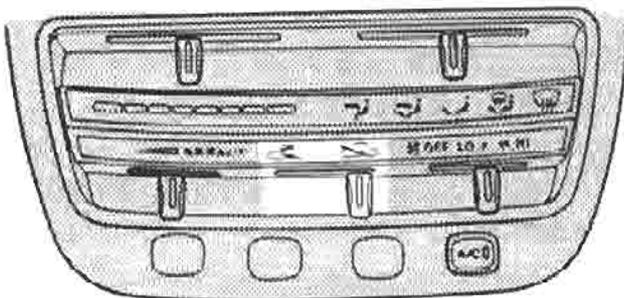
**FAN SPEED ADJUSTER**

**SETTINGS**

- LO** : 微風
- : 弱風
- ■ : 中風
- HI** : 強風
- OFF** : 停止



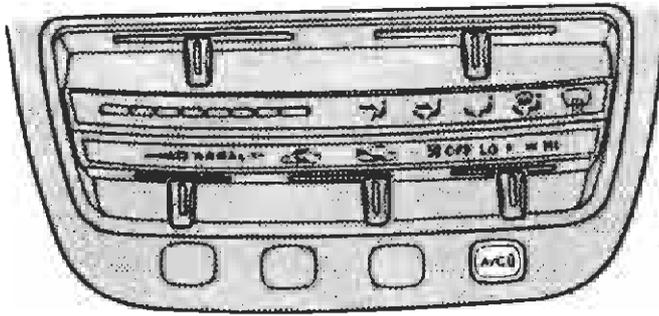
**TEMPERATURE ADJUSTER**  
**RIGHT = INCREASE TEMPERATURE**  
**LEFT = DECREASE TEMPERATURE**



**FRESH AIR SWITCH**

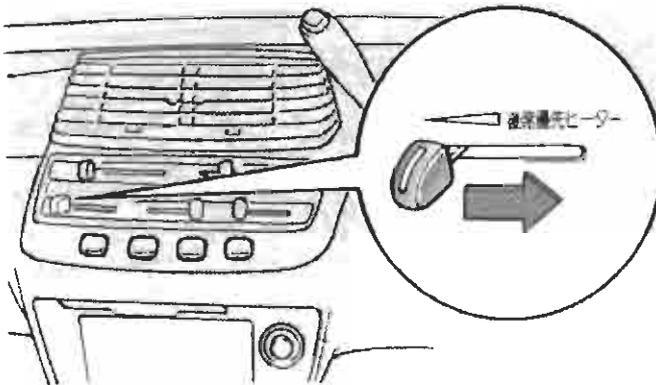


**RECYCLED AIR SWITCH**



**A/C : AIR CONDITIONING SWITCH  
ACTIVATE FOR COOLING OR  
DEHUMIDIFYING.**

**NOTE : WHEN THE OUTSIDE AIR  
TEMPERATURE OS BELOW 0 C THIS  
OPTION WILL NOT FUNCTION.**



**PRIORITY HEATER LEVER (REAR  
SEATS)**

**WHEN OPERATED WITH THE  
FOLLOWING AIR DIRECTIONS (UPPER  
BODY, LEG/UPPER BODY, AND LEG  
AREA/WINDSCREEN) THE AIR FLOW  
TO THE REAR SEATS IS INCREASED.**

### **REAR COOLER CONTROL UNITS**

**OFF = OFF**

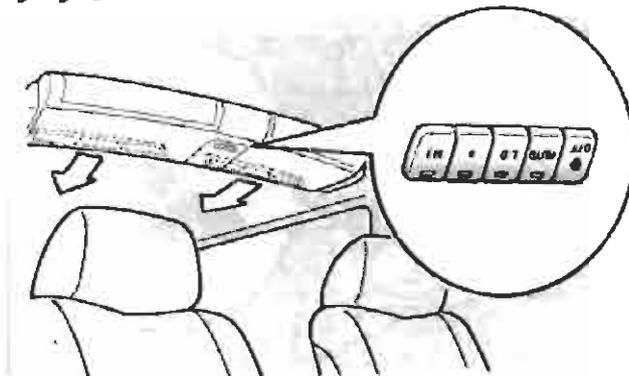
**AUTO = AUTOMATIC ADJUSTING (TEMPERATURE DEPENDANT)**

**LOW = LOW SPEED**

**: = MIDDLE SPEED**

**HI = HI SPEED**

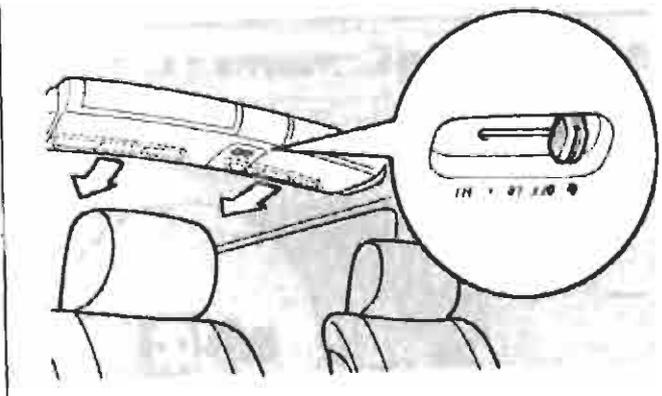
／ ／ ／ ／ ／ ／



**PUSH BUTTON VERSION (OPTIONAL)  
OPERATION**

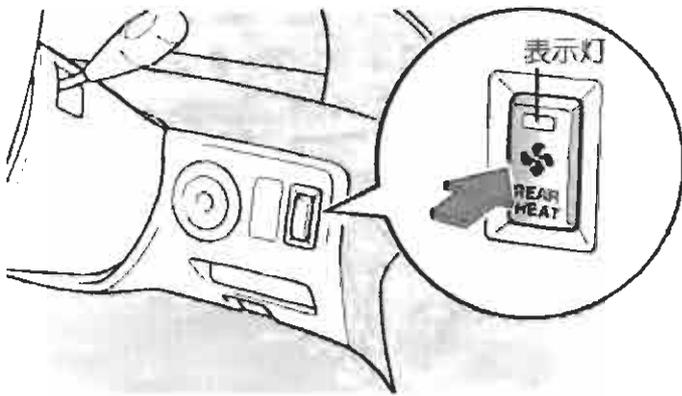
**PRESS THE AUTO SWITCH IN  
CONJUNCTION WITH THE A/C SWITCH  
(FRONT HEATER CONTROL PANEL) TO  
INITIATE REAR COOLER.**

**PRESSING THE AUTO SWITCH WILL  
AUTOMATICALLY ADJUST THE REAR  
FAN SPEED. WHEN A/C SWITCH IS OFF,  
REAR COOLER WILL ADVERT TO  
STANDARD AIR FLOW.(NON AIR  
CONDITIONING)**

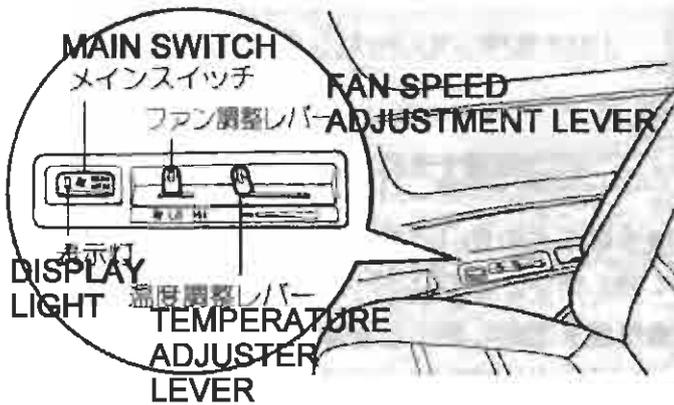


**SLIDER VERSION (OPTIONAL)**

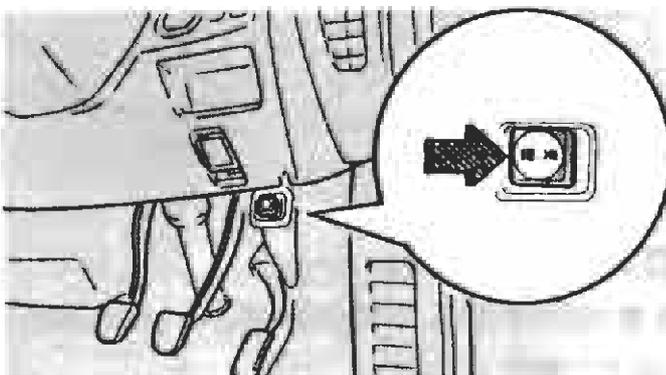
**WHEN A/C SWITCH IS OFF, REAR  
COOLER WILL ADVERT TO STANDARD  
AIR FLOW (NON AIR CONDITIONING)**



**REAR HEATER (OPTIONAL)  
ACTIVATING THIS SWITCH (LIT  
WHEN ON) ENGAGES THE REAR  
HEATER.**

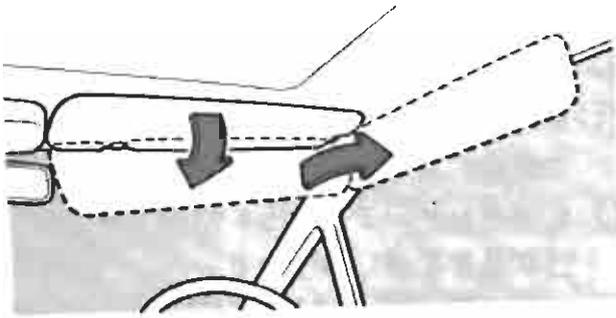


**REAR PASSENGERS' HEATER  
SWITCH'S**



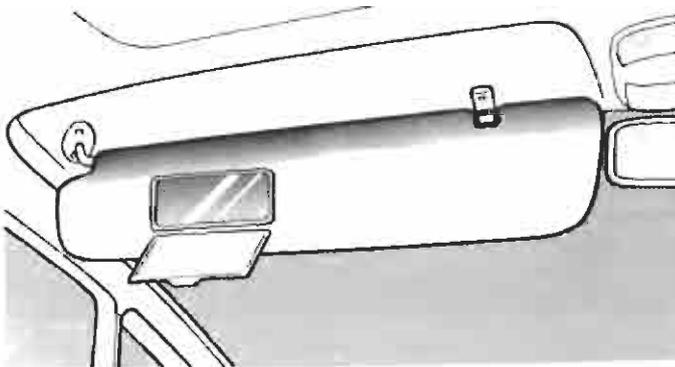
**ENGINE WARMING SWITCH (DIESEL  
ENGINES COLD CONDITIONS ONLY)  
WHEN ACTIVATED THE ENGINE  
WATER TEMPERATURE IS  
INCREASED WHILE THE VEHICLE IS  
WARMING UP OR IDLING.**

# FITTINGS



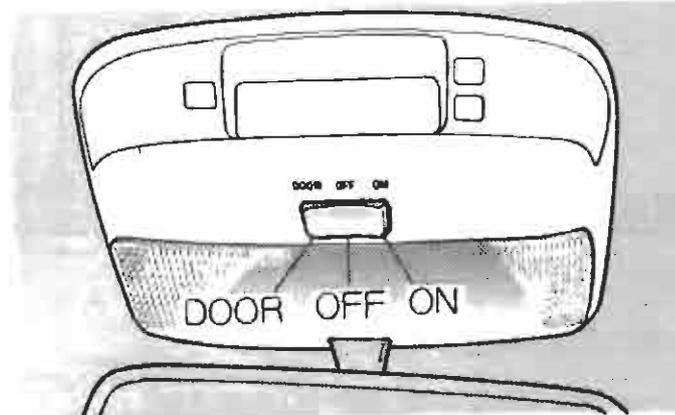
**SUN VISOR**  
**AS PER DIAGRAM THE SUN VISOR CAN**  
**BE FLIPPED DOWN OR TWISTED**  
**AROUND FROM THE HOOK TO BLOCK**  
**SUN LIGHT.**

**バニティーミラー ★**  
サンバイザーの裏側にあります。



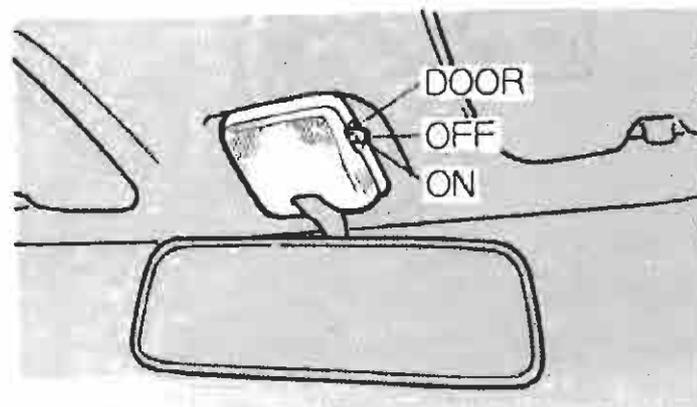
**VANITY MIRROR (OPTIONAL)**  
**THERE MAY BE A VANITY MIRROR**  
**FITTED TO THE PASSENGER SUN**  
**VISOR.**

時計なし



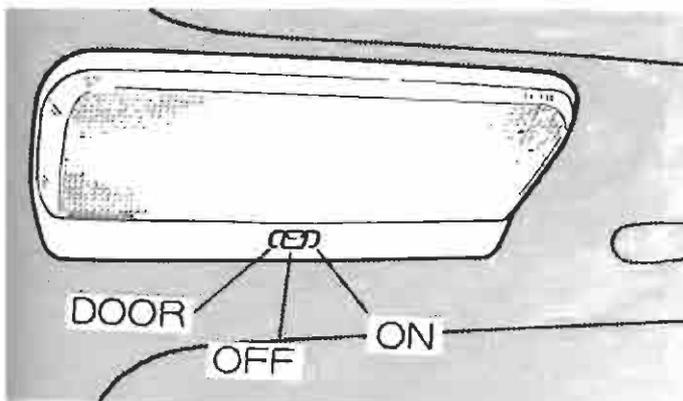
**FRONT INTERIOR LIGHT (OPTIONAL)**  
**DOOR - LIGHT ACTIVATES WHEN**  
**DOOR IS OPENED**  
**ON - CONTINUOUSLY ON**  
**OFF - CONTINUOUSLY OFF**

時計なし

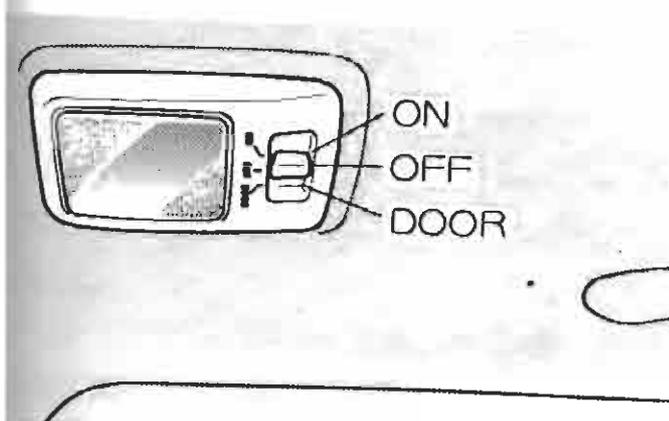


**FRONT INTERIOR LIGHT (OPTIONAL)**  
**DOOR - LIGHT ACTIVATES WHEN**  
**DOOR IS OPENED**  
**ON - CONTINUOUSLY ON**  
**OFF - CONTINUOUSLY OFF**

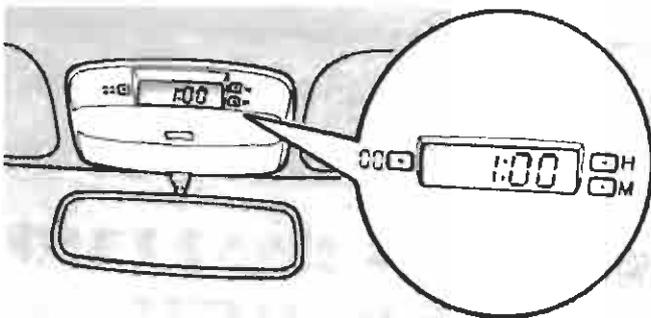
## REAR INTERIOR LIGHT)



**REAR INTERIOR LIGHT  
(OPTIONAL)  
DOOR - LIGHT ACTIVATES  
WHEN DOOR IS OPENED  
ON - CONTINUOUSLY ON  
OFF - CONTINUOUSLY OFF**



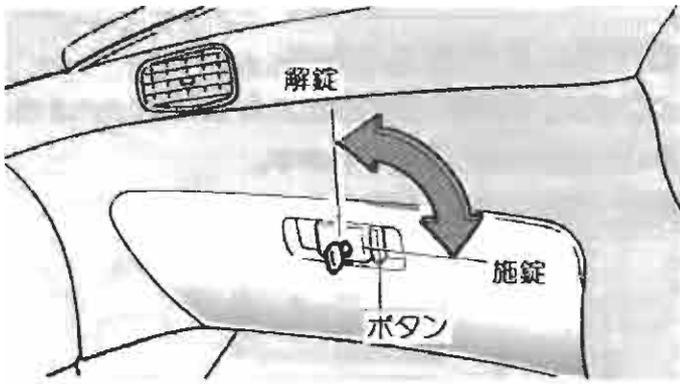
**REAR INTERIOR LIGHT  
(OPTIONAL)  
DOOR - LIGHT ACTIVATES  
WHEN DOOR IS OPENED  
ON - CONTINUOUSLY ON  
OFF - CONTINUOUSLY OFF**



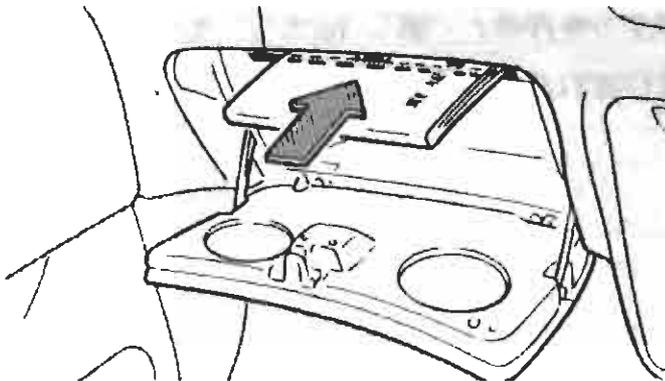
**THE CLOCK WILL BE DISPLAYED  
WHEN THE IGNITION IS ACC OR  
ON POSITION.**



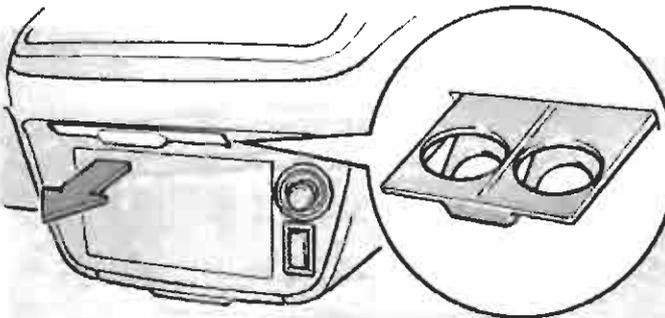
**TO SET / RESET CLOCK PRESS AND  
HOLD THE 'H' BUTTON TO  
INCREASE HOURS, AND THE SAME  
FOR 'M' MINUTES.  
PRESSING THE 00 BUTTON WILL  
RESET TO THE HOUR BEFORE IF  
MINUTES ARE BETWEEN (0-29)  
30-59 WILL GO TO THE NEXT HOUR.**



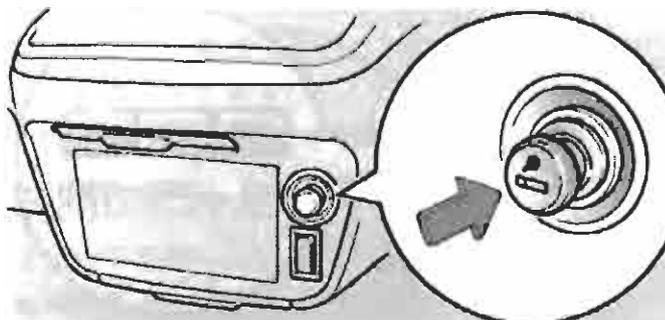
**GLOVE BOX (LOCK OPTIONAL)**



**GLOVE BOX CUP HOLDER**  
**LOWERING GLOVE BOX DOOR GLOVE**  
**BOX (LOCK OPTIONAL)**  
**GIVES YOU A MOULDED SURFACE FOR**  
**YOUR CUPS.**



**CUP HOLDER CONSOLE**  
**BY PULLING OUT HOLDER FROM**  
**ABOVE RADIO GIVES YOU EXTRA**  
**STORAGE FOR YOUR CUPS.**

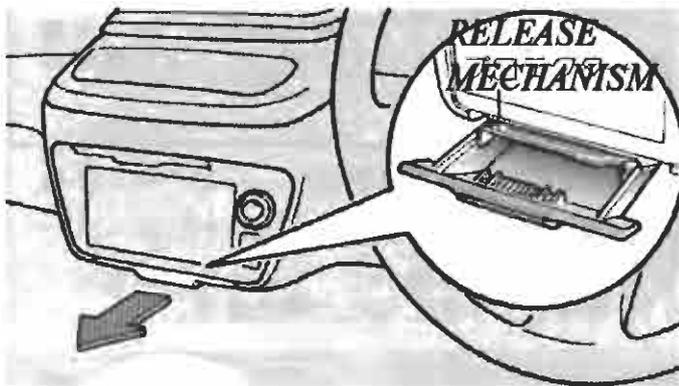


**CIGARETTE LIGHTER**  
**ONLY OPERATIONAL WHEN IGNITION**  
**IS IN ACC OR ON POSITION**  
**PUSH THE CIGARETTE LIGHTER IN TO**  
**HEAT, ONCE READY THE LIGHTER**  
**WILL SLIGHTLY EJECT, THEN PULL**  
**TO REMOVE.**  
**ONLY PLACE TOYOTA APPROVED**  
**APPLIANCES IN CIGARETTE LIGHTER**  
**SOCKET.**

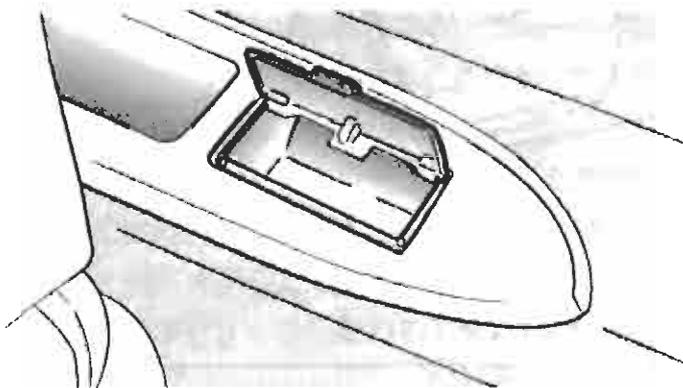
## ASHTRAYS



**CAUTION**  
**MAKE SURE YOU EXTINGUISH YOUR CIGARETTES FULLY.**  
**ALWAYS EMPTY YOUR ASHTRAY REGULARLY.**  
**DO NOT DISPOSE OF FLAMMABLE MATERIAL IN ASHTRAY.**

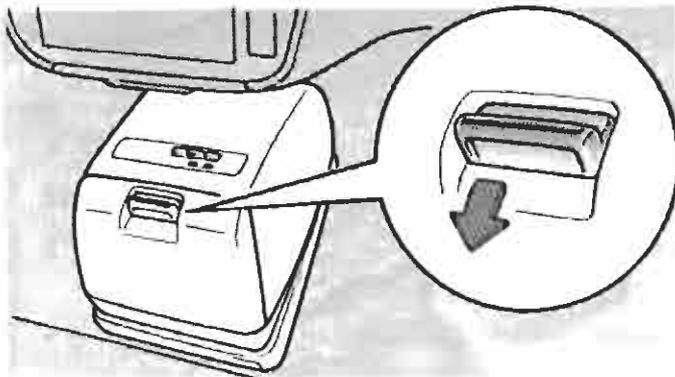


**FRONT ASHTRAY**  
**TO RELEASE ASHTRAY PULL SLOWLY TOWARDS YOU WHILST PUSHING DOWN THE RELEASING MECHANISM INSIDE ASHTRAY.**

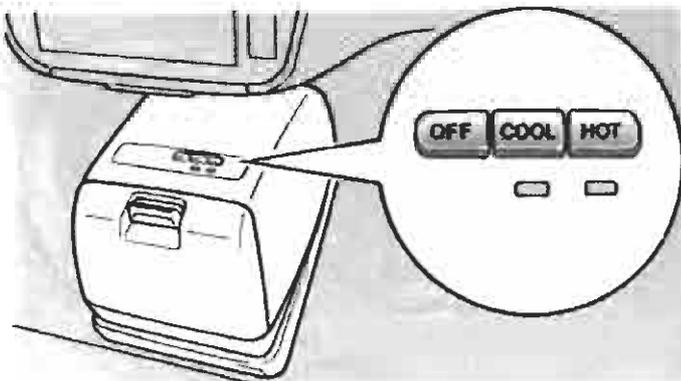


**REAR ASHTRAY**  
**PULL UP ASHTRAY TO REMOVE.**

## ***COOL/HOT BOX (OPTIONAL)***



***COOL/HOT BOX (OPTIONAL)  
TO OPEN PULL LEVER DOWN.***



***SELECT HOT OR COOL OPTIONS WITH  
OPTION BUTTONS.  
THIS UNIT CAN BE USED REGARDLESS  
OF AIR CONDITIONING SETTINGS.  
NOTE : LEAVE UNIT IN OFF POSITION  
WHEN NOT IN USE  
ONLY USE WHEN ENGINE IS RUNNING  
(PREVENTS DRAINING BATTERY)  
WHEN THE AMBIENT OUTSIDE  
TEMPERATURE IS BELOW 0 C THE  
COOLING SYSTEM WILL NOT WORK.***

# ELECTRIC CURTAINS (OPTIONAL)



LEFT BUTTON = SIDE CURTAINS  
RIGHT BUTTON = BACK CURTAIN

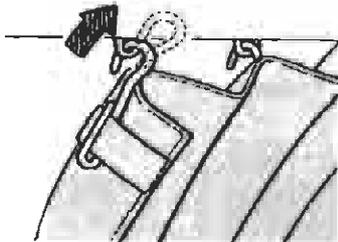
IGNITION MUST BE IN ACC OR ON POSITION. ONLY OPERATE WHEN VEHICLE ENGINE IS RUNNING (PREVENTS FLATTENING BATTERY)

THE CURTAINS MAY ALSO BE MOVED MANUALLY

**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 FOLDED UP POSITION.

## REMOVING CURTAINS

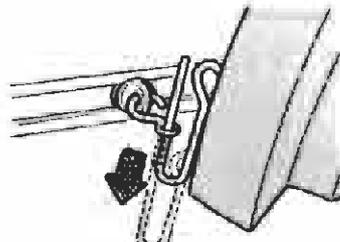
2ND & 3RD ROW SEATS AND REAR HATCH TOP CONNECTIONS



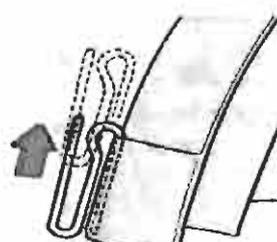
2ND & 3RD ROW SEATS AND REAR HATCH TOP CONNECTIONS



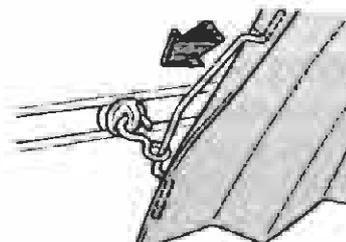
2ND ROW SEATS RIGHT CURTAIN BOTTOM CONNECTIONS



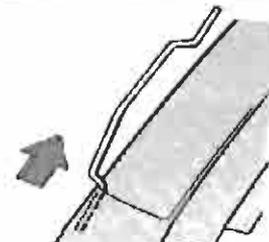
2ND ROW SEATS RIGHT CURTAIN BOTTOM CONNECTIONS



3RD ROW SEATS RIGHT/LEFT CURTAINS BOTTOM CONNECTIONS

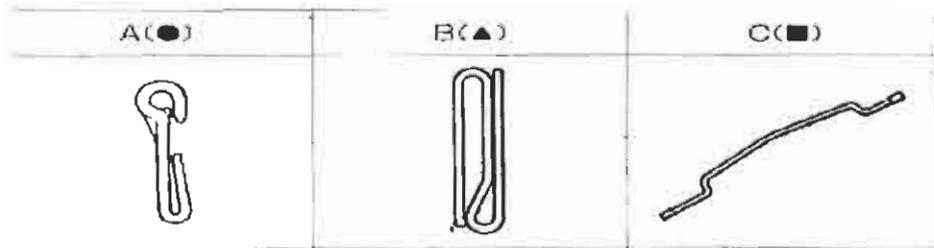


3RD ROW SEATS RIGHT/LEFT CURTAINS BOTTOM CONNECTIONS

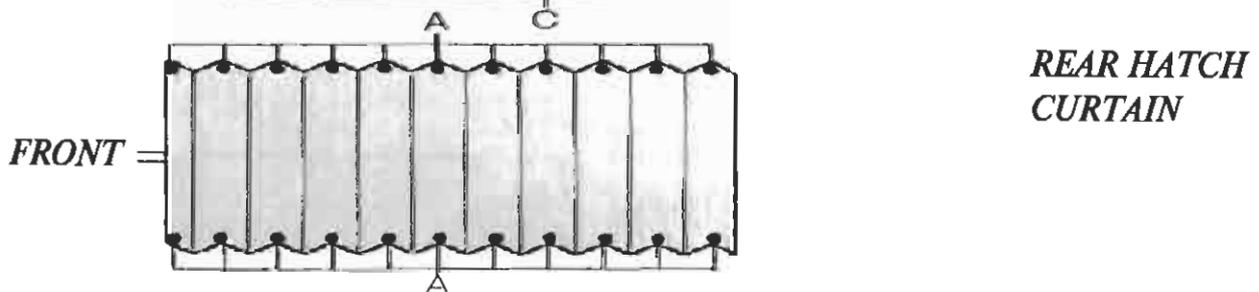
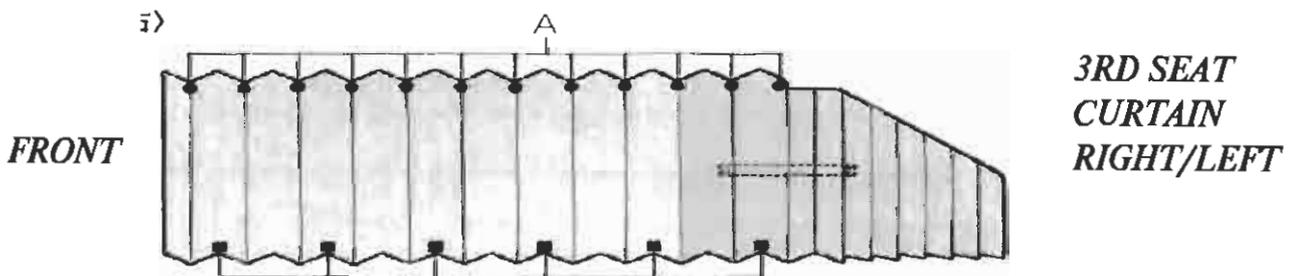
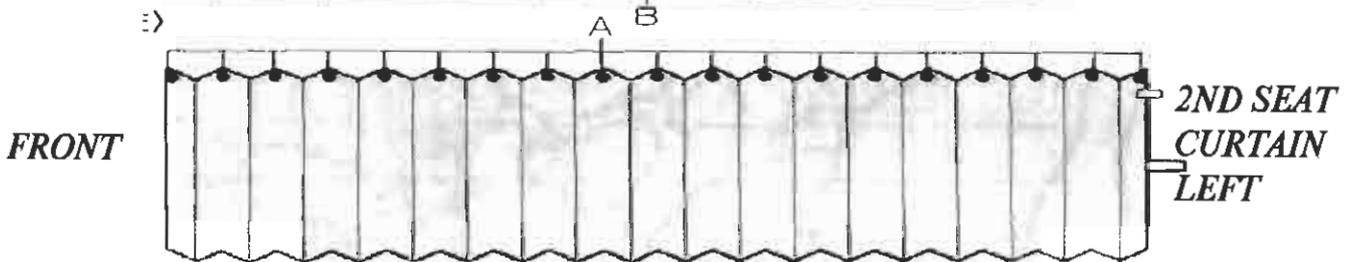
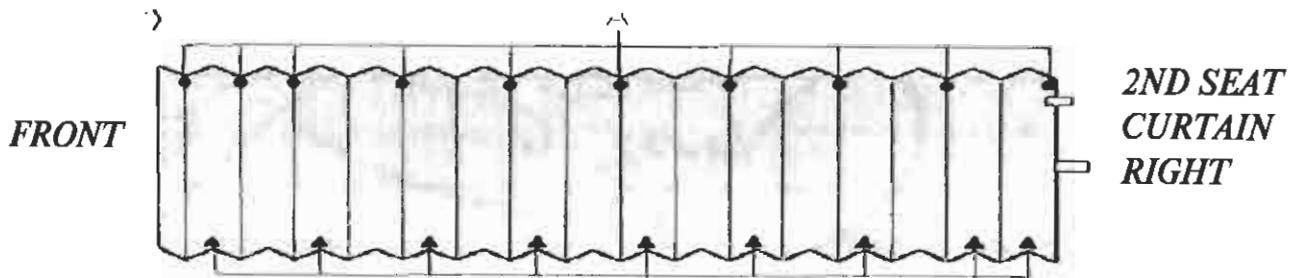


- 1 - REMOVE THE HOLDING HOOK, WHICH IS RETAINING THE CURTAIN.
- 2 - REMOVE THE CURTAIN FROM RAIL (TOP SIDE FIRST THEN BOTTOM)
- 3 - REMOVE ALL HOOK BEFORE WASHING (DRY CLEAN ONLY OR HAND WASH WITH WARM WATER)

# CURTAIN LAYOUT

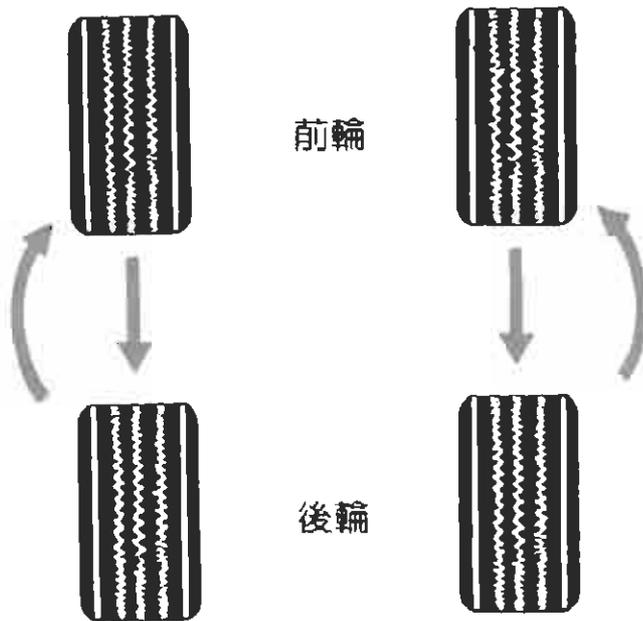


*HOOK TYPE*



# MAINTENANCE

## TYRE ROTATION



TO SPREAD THE WEAR OF YOUR VEHICLE TYRES, IT IS RECOMMENDED THAT YOU ROTATE THEM APPROX EVERY 3000 MILES. IF THE SPARE TYRE IS THE SAME SIZE, TREAD AND MAKE OF THE OTHER TYRES IT IS ALSO RECOMMENDED THAT YOU INCLUDE THIS TYRE IN THE ROTATION.

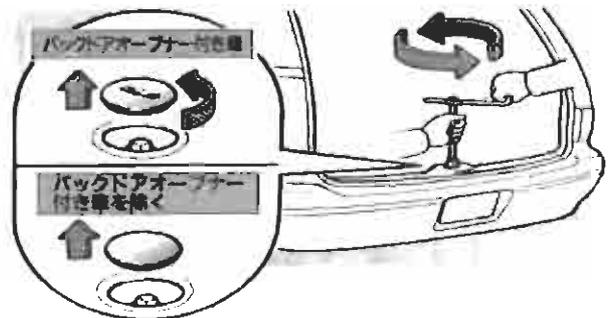
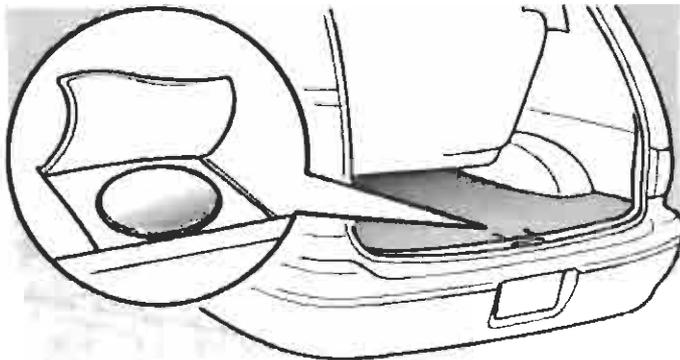
CHECK FOR UNEVEN OR ABNORMAL WEAR AS THIS IS USUALLY CAUSED BY INCORRECT TYRE PRESSURE.

SEE DATA SHEET FOR TYRE PRESSURES.

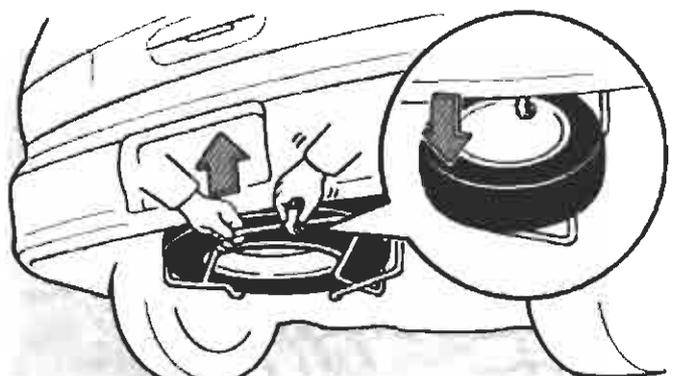
## SPARE TYRE

### REMOVAL :

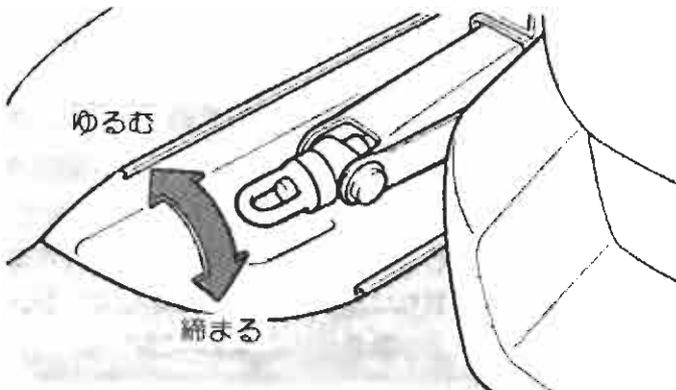
- 1- ROLL UP CARPET ABOVE SPARE TYRE. FOR VEHICLES WITH THE EASY CLOSE MECHANISM REMOVE THE CAP.
- 2- LOOSEN THE SPARE WHEEL RETAINING BOLT (THE SPARE WILL SLOWLY LOWER)



- 3- LIFT THE WIRE CAGE TO REMOVE RETAINING HOOK AND SLOWLY LOWER SPARE WHEEL .SPARE WHEEL WILL NOW SLIDE OUT



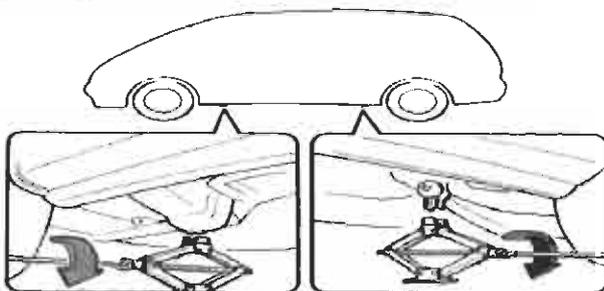
# WHEEL JACK LOCATION/OPERATION



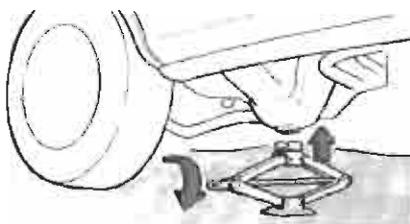
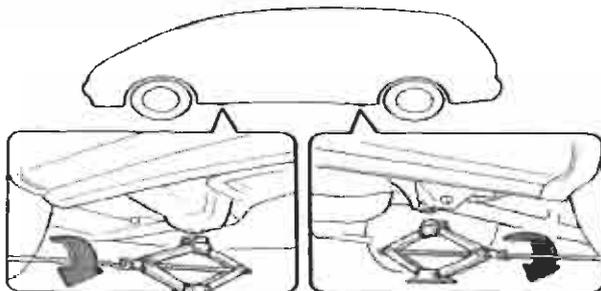
**REMOVING JACK**  
**THE JACK IS LOCATED UNDER THE**  
**2ND ROW SEAT, NEAREST**  
**WINDOW(DRIVERS SIDE)**

**G,S (OPTIONAL)**

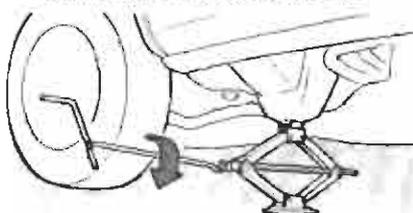
**JACKING POINTS**



**X.F.D**



- 1 ジャッキハンドルバーにジャッキハンドルの穴を確実に差し込みます。
- 2 ジャッキハンドルを使用してタイヤが地面から少し離れるまでジャッキアップします。



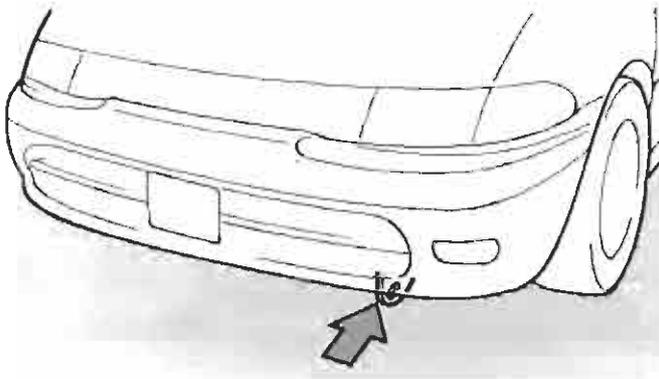
**JACK OPERATION**

**NOTE: ENSURE ENGINE IS SWITCH**  
**OFF ,ALSO DO NOT SHAKE VEHICLE**  
**WHILE IT IS LIFTED.**

**1: EXTEND JACK WITH HAND UNTIL IT**  
**IS LINED UP(SEE DIAGRAM)**

**2: LOCATE JACK AND ATTACH JACK**  
**HANDLE ,NOW TURN HANDLE (AS**  
**PER DIAGRAM) TO RAISE VEHICLE**  
**WHEEL**

# TOWING

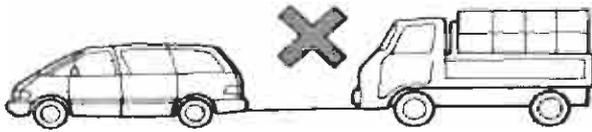


TOWING HOOK

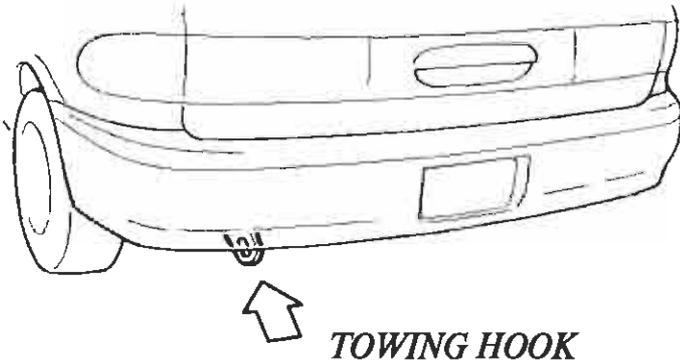
**ATTACH A TOWING ROPE TO TOW HOOK (SEE DIAGRAM)**

**SELECT 'N' ON GEAR LEVER/SHIFT LEVER AND ACC/ON POSITION ON IGNITION. RELEASE PARKING BRAKE**

**NOTE: WITH AUTOMATIC GEAR BOX VEHICLES DO NOT EXCEED 30KM/H OR TRAVEL FURTHER THAN 80 KM**



リヤ側フックの位置



TOWING HOOK

**NOTE: NEVER TOW A VEHICLE WHICH IS LARGER/HEAVIER THEN YOUR TOYOTA ESTIMA**

## *SEASON LEVER (OPTIONAL)*

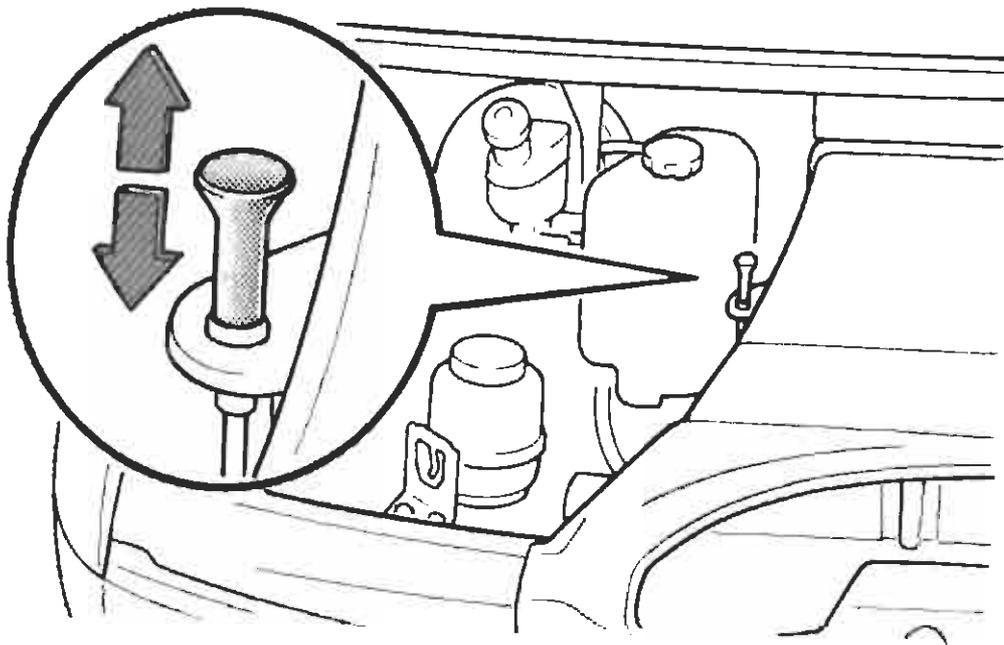
*DESIGNED TO CLOSE OFF THE AIR VENT DURING WINTER CONDITIONS*

*OPEN THE BONNET.*

*PUSH THE LEVER DOWN, THIS WILL CLOSE OFF THE AIR VENT.*

*NORMALLY THE LEVER IS PULLED UP.*

*CLOSE THE BONNET.*

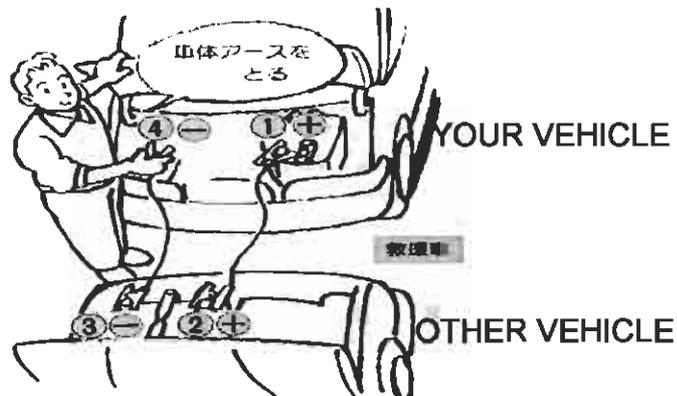


*IN NORMAL CONDITIONS*



*IN EXTREMELY COLD CONDITIONS*

# **JUMP STARTING**



**IF THE STARTER MOTOR WILL NOT TURN OR IF THE ENGINE REVS ARE TOO WEAK TO START THE ENGINE, OR THE HEAD LIGHTS ARE FAINT AND THE HORN SOUND IS WEAK THE VEHICLE HAS A FLAT BATTERY AND MUST BE JUMP STARTED.**

**DO NOT START THE ENGINE BY PULLING OR PUSHING THE VEHICLE.  
DO USE A BATTERY IN ANOTHER VEHICLE TO START THE ENGINE, BUT ONLY USE A BOOSTER BATTERY FROM ANOTHER VEHICLE THAT IS 12V.**

**TO JUMP START YOUR VEHICLE :**

**CONNECT THE POSITIVE TERMINAL OF YOUR BATTERY TO THE POSITIVE TERMINAL OF THE BOOSTER BATTERY (USING YOUR CABLES)**

**CONNECT THE NEGATIVE TERMINAL OF THE BOOSTER BATTERY TO A METAL PART (EARTH) OF YOUR VEHICLE.**

**START THE ENGINE OF THE OTHER VEHICLE AND SLIGHTLY INCREASE THE ENGINE REVS PER MINUTE.**

**START YOUR ENGINE.**

**REMOVE THE CABLES IN THE FOLLOWING ORDER :**

**REMOVE THE EARTH CABLE**

**REMOVE THE CABLE FROM THE NEGATIVE TERMINAL FROM THE BOOSTER BATTERY**

**REMOVE THE CABLE FROM THE POSITIVE TERMINAL FROM THE BOOSTER BATTERY**

**REMOVE THE CABLE FROM THE POSITIVE TERMINAL FROM YOUR BATTERY**

**MAKE SURE YOU HAVE THE BATTERY CHECKED AT YOUR NEAREST SERVICE CENTRE AS SOON AS POSSIBLE.**

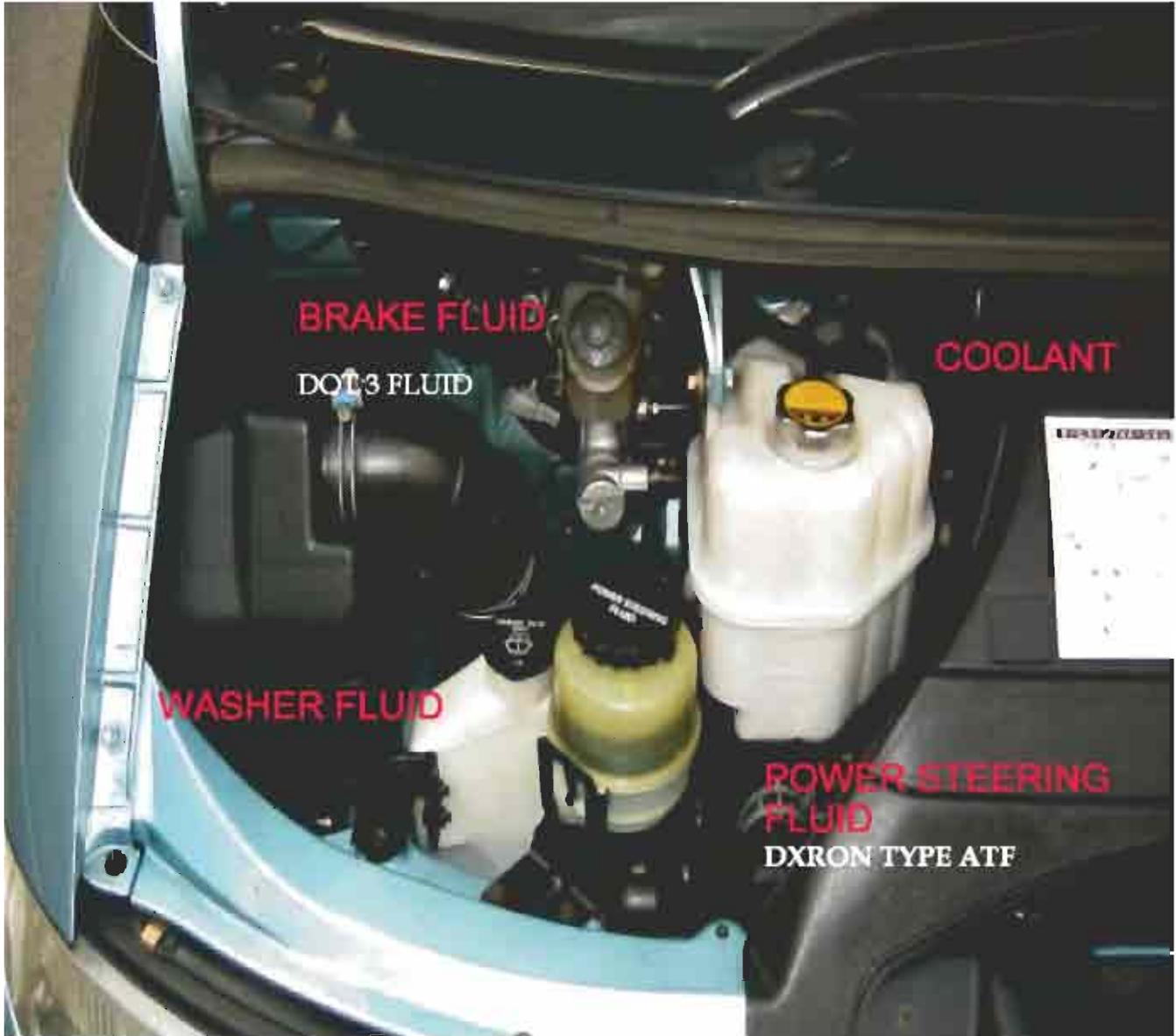
**NOTE :**

**NEVER HAVE THE BATTERY CLOSE TO FIRE**

**NEVER MISTAKE POSITIVE (+) AND NEGATIVE (-) TERMINALS**

**NEVER TOUCH THE END OF THE CABLES TOGETHER.**

## *LEFT SIDE ENGINE BAY*



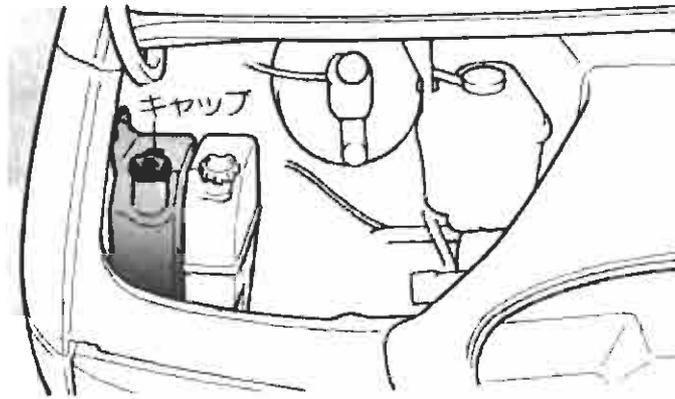
*RIGHT SIDE ENGINE BAY*



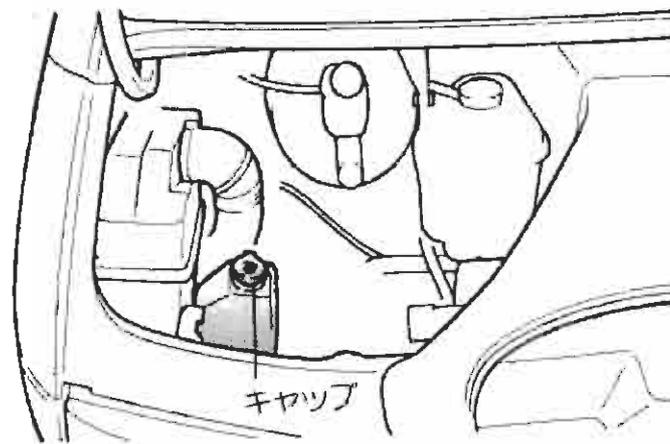
## ***ADDING WASHER FLUID***

***WHEN FILLING THE WASHER TANK YOU CAN USE TAP WATER AS WASHER FLUID. IF OUTSIDE TEMPERATURE REACHES BELOW FREEZING POINT, YOU WILL NEED TO ADD ANTI FREEZE. YOU SHOULD FOLLOW THE MANUFACTURER'S DIRECTIONS ON THE ANTI FREEZE YOU BUY OR USE THE FOLLOWING AS A BASIC GUIDE.***

***GAS  
POWERED  
VEHICLES***



***DIESEL  
POWERED  
VEHICLES***



### ***TEMPERATURE DEGREES***

- |                               |  |
|-------------------------------|--|
| <b><i>-10</i></b>             | <b><i>1 PART ANTI FREEZE / 2 PARTS<br/>WATER</i></b> |
| <b><i>-20</i></b>             | <b><i>1 PART ANTI FREEZE / 1 PART<br/>WATER</i></b>  |
| <b><i>-20 &amp; BELOW</i></b> | <b><i>ONLY ANTI FREEZE</i></b>                       |

# **VEHICLE MAINTENANCE**

**THE FOLLOWING INFORMATION COVERS A RANGE OF VEHICLE/MODELS. THERE MAY BE SOME EXPLANATIONS FOR EQUIPMENT NOT INSTALLED IN YOUR VEHICLE.**

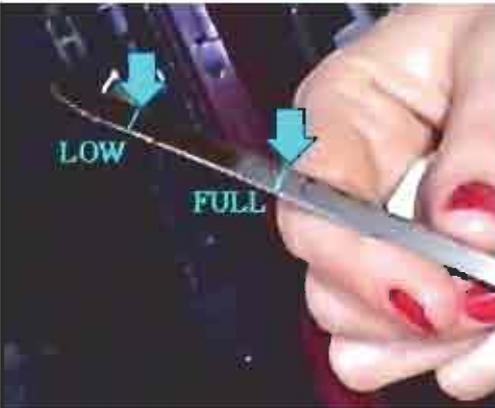
## **HOW TO CHECK THE ENGINE OIL.**



**MAKE SURE YOUR VEHICLE IS ON LEVEL GROUND. STOP THE ENGINE AND WAIT TO LET THE ENGINE OIL SETTLE. PULL OUT THE ENGINE OIL DIPSTICK.**



**DRY THE DIPSTICK WITH A CLEAN RAG OR TISSUE. THEN PUT IT BACK ALL THE WAY DOWN INTO ITS PLACE.**



**PULL THE DIPSTICK OUT AGAIN AND CHECK THE OIL LEVEL. IT SHOULD BE AROUND THE 'FULL' MARK. IF IT ISN'T THEN YOU NEED TO TOP IT UP. CHECK THE OIL CONDITION: IF IT IS TOO BLACK, IT NEEDS TO BE CHANGED, IF IT IS SLIGHTLY BROWN IT'S OK, IF IT IS DARK BROWN BUT STILL TRANSPARENT, IT'S ADMISSIBLE BUT BETTER TO CHANGE IT. IF IT IS WHITE (COFFEE WITH MILK COLOUR) IT MEANS THE ENGINE COOLANT MIXES WITH THE ENGINE OIL BECAUSE OF SOME INTERNAL PROBLEM. TAKE TO YOUR NEAREST SERVICE CENTRE.**

## **ADDING THE ENGINE OIL :**



**IT IS PREFERABLE TO ADD THE SAME TYPE AND BRANCH OF THE ENGINE OIL AS YOU ALREADY HAVE IN THE ENGINE.**

**ADD A LITTLE AMOUNT OF THE OIL, AND WAIT TO LET THE OIL POUR DOWN. CHECK THE OIL LEVEL AGAIN. IF IT IS STILL LOW ADD SOME MORE BUT DO NOT OVERFILL IT.**

**SET THE DIPSTICK BACK & CLOSE OIL FILTER CAP WHEN FINISHED.**

## ***HOW TO CHECK AUTOMATIC TRANSMISSION FLUID.***



***MAKE SURE YOUR VEHICLE IS ON LEVEL GROUND.***

***START THE ENGINE.***

***SET LEVER TO THE 'P' PARK POSITION AND LET THE ENGINE IDLE (CONTACT NEAREST SERVICE CENTRE TO CHECK).***

***PULL OUT THE TRANSMISSION DIPSTICK.***



***DRY THE DIPSTICK WITH A CLEAN RAG OR TISSUE. THEN PLACE IT BACK ALL THE WAY DOWN IN IT'S PLACE.***

***PULL OUT AGAIN AND CHECK THE FLUID LEVEL. IF THE ENGINE IS COOL IT SHOULD BE AT THE UPPER END OF THE 'COLD' MARK.***

***IF THE ENGINE IS HOT THE LEVEL SHOULD BE AT THE UPPER END OF THE 'HOT' MARK.***

***IF IT IS LOWER YOU SHOULD ADD SOME AUTOMATIC TRANSMISSION FLUID.***

***CHECK THE FLUID CONDITION: IF IT IS TOO BLACK AND HAS A BURNT SMELL - YOUR TRANSMISSION IS NOT GOING TO LAST.***

***IT SHOULD BE CLEAN AND TRANSPARENT.***

***THE COLOUR MAY DIFFER FROM RED TO BROWN, BUT IF YOU WIPE THE DIPSTICK ON CLEAN WHITE PAPER THERE SHOULD BE NO BLACK DEPOSITS, NO METAL PARTICLES AND NO DIRT LEFT.***



***ADDING TRANSMISSION FLUID:***

***CHECK THE TRANSMISSION FLUID TYPE WITH YOUR SERVICE CENTRE.***

***ADD A LITTLE AMOUNT OF THE FLUID. WAIT FOR IT TO SETTLE. START THE ENGINE. CHECK THE LEVEL AGAIN.***



## ***ENGINE COOLANT***



***ALWAYS KEEP THE COOLANT LEVEL FULL. LOW COOLANT LEVEL CAUSE THE ENGINE TO OVERHEAT.***

***HOW TO CHECK THE ENGINE COOLANT FLUID LEVEL:  
THE COOLANT LEVEL SHOULD BE BETWEEN THE 'LOW' AND 'FULL' MARKS IN THE COOLANT EXPANSION TANK. IF THERE IS NO COOLANT IN THE EXPANSION TANK AT ALL YOU SHOULD ADD THE COOLANT TO THE RADIATOR AS WELL.***

***NOTE: NEVER OPEN THE RADIATOR OR THE EXPANSION TANK CAP WHEN THE ENGINE IS HOT.***



***WHEN THE ENGINE TEMPERATURE IS REDUCED (A FEW MINUTES AFTER THE ENGINE HAS BEEN TURNED OFF) SIMPLY ADD A COOLANT INTO THE EXPANSION TANK TO THE 'FULL' MARK, AND INTO THE RADIATOR IF REQUIRED.***

## **BRAKE FLUID**

**THE BRAKE FLUID RESERVOIR IS UNDER THE HOOD IN FRONT OF THE STEERING WHEEL. MOST VEHICLES HAVE A TRANSPARENT RESERVOIR SO THAT YOU CAN SEE THE LEVEL WITHOUT OPENING THE COVER.**

**THE BRAKE FLUID LEVEL WILL DROP SLIGHTLY AS THE BRAKE PADS WEAR OUT. THIS IS A NORMAL CONDITION AND YOU SHOULDN'T WORRY ABOUT IT. IF THE LEVEL DROPS NOTICEABLY OVER A SHORT PERIOD OF TIME OR GOES DOWN TO ABOUT TWO THIRDS FULL, YOU SHOULD HAVE YOUR BRAKES CHECKED AT YOUR NEAREST SERVICE CENTRE AS SOON AS POSSIBLE.**

**KEEP THE RESERVOIR COVERED EXCEPT FOR THE AMOUNT OF TIME YOU NEED TO FILL IT AND NEVER LEAVE A CAN OF BRAKE FLUID UNCOVERED. BRAKE FLUID MUST MAINTAIN A VERY HIGH BOILING POINT. EXPOSURE TO AIR WILL CAUSE THE FLUID TO ABSORB MOISTURE WHICH LOWERS THE BOILING POINT.**

**NOTE : NEVER PUT ANYTHING BUT APPROVED BRAKE FLUID IN YOUR BRAKES, ANYTHING ELSE CAN CAUSE SUDDEN BRAKE FAILURE.**

## **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 LEVEL SHOULD NOT CHANGE MORE THAN THE NORMAL RANGE ON THE STICK.**

**IF YOU HAVE TO ADD FLUID MORE THAN ONCE OR TWICE A YEAR, THEN HAVE THE SYSTEM CHECKED FOR LEAKS AT YOUR NEAREST SERVICE CENTRE.**

**THESE SYSTEMS ARE EASILY DAMAGED IF YOU DRIVE WHILST THE FLUID IS VERY LOW. ANOTHER WARNING OF LOW POWER STEERING FLUID IS A BUZZING NOISE WHEN YOU TURN THE STEERING WHEEL AT LOW SPEEDS.**

## **BATTERY**

**MOST BATTERIES ARE 'MAINTENANCE FREE' WHICH MEANS THAT YOU CAN'T CHECK THE WATER LEVEL. THIS DOESN'T MEAN THAT THERE IS NOTHING TO CHECK.**

**THE MAIN THINGS TO CHECK ARE THE TOP OF THE BATTERY WHICH SHOULD BE CLEAN AND DRY, AND THE TERMINAL CONNECTIONS WHICH SHOULD BE CLEAN AND TIGHT.**

**IF THE TOP OF THE BATTERY CONTINUOUSLY BECOMES DAMP OR CORRODED SOON AFTER CLEANING, THEN YOU NEED TO HAVE THE CHARGING SYSTEM AND BATTERY CHECKED AT YOUR NEAREST SERVICE CENTRE.**

## **BELTS AND HOSES**

**IN MOST CASES YOUR SERVICE CENTRE CAN CHECK YOUR BELTS AND HOSES WHEN YOU TAKE THE VEHICLE IN FOR AN OIL CHANGE. HOWEVER SOME OTHER CENTRES MAY NOT CHECK THE BELTS AND HOSES AS STANDARD IN WHICH CASE THE FOLLOWING CHECKS CAN BE MADE :**

**THESE CHECKS ARE BEST DONE 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.**

**YOU SHOULD CHECK THE RIBBED SIDE FOR SIGNS OF DRY AND CRACKED RUBBER. SERPENTINE BELTS ARE USUALLY SELF ADJUSTING AND VERY DURABLE. THEY SHOULD LAST ABOUT 30.000 MILES.**

**THE OTHER TYPE OF BELT IS CALLED A 'V' BELT AND IS ADJUSTABLE. THERE IS USUALLY MORE THAN ONE TO AN ENGINE, SOMETIMES 3 OR 4.**

**CHECK EACH ONE FOR CRACKS AND TIGHTNESS AND HAVE THEM REPLACED IF YOU FIND ANY PROBLEMS.**

**SOME 'V' BELTS ARE HARD TO REACH BUT NO LESS IMPORTANT. IF YOU CANNOT REACH THESE, GET YOUR SERVICE CENTRE TO DO THEM PERIODICALLY.**

**HOSES SHOULD BE CHECKED VISUALLY AND BY FEEL.**

**YOU ARE LOOKING FOR DRY CRACKED RUBBER, ESPECIALLY AT THE ENDS WHERE THEY ARE ATTACHED. YOU SHOULD ALSO CHECK THE ENDS FOR ANY SIGNS OF BALLOONING.**

## **WINDSCREEN WIPER BLADES**

**WIPER BLADES SHOULD BE CHANGED EVERY 6.000 TO 10.000 MILES.**

**WIPER BLADES WILL TEND TO STREAK WHEN THEY ARE DIRTY.**

**TAKE A PAPER TOWEL WITH SOME WINDOW CLEANER AND CLEAN THE RUBBER BLADE WHENEVER YOU CLEAN THE WINDSCREEN.**



## **TYRES**

***IMPROPER TYRE PRESSURE CAN AFFECT TYRE WEAR AS WILL AS RIDE AND HANDLING.***

***YOU SHOULD ALWAYS CHECK YOUR TYRES WHEN THEY ARE COLD.***

***USE THE MANUFACTURERS RECOMMENDED TYRE PRESSURES.***

***TYRE PRESSURE TENDS TO RISE AS YOU DRIVE DUE TO HEAT BUILD-UP.***

***MANUFACTURERS HAVE THIS IN MIND WHEN THEY SET THE RECOMMENDED COLD PRESSURES, SO DO NOT LET AIR OUT WHEN THE TYRE GETS HOT.***

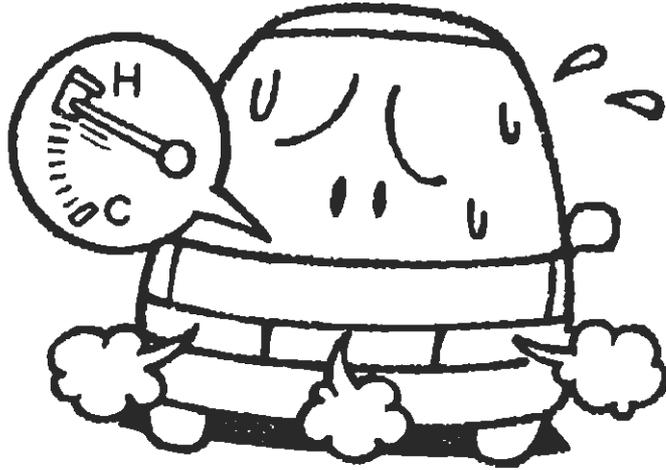
***CHECK THE TYRE AGAIN WHEN IT COOLS OFF AND YOU WILL FIND THAT THE PRESSURE IS BACK TO WHERE IT WAS.***

***TYRE PRESSURE WILL CHANGE WITH THE SEASONS, SO IN WINTER MONTHS MAKE SURE THEY ARE NOT UNDER INFLATED.***

***NOTE : REMEMBER TO CHECK TYRE PRESSURE WHEN THE TYRE IS COLD.***



# OVERHEATING



***IF THE TEMPERATURE GAUGE NEEDLE GOES INTO THE RED ZONE IT MEANS YOUR VEHICLE HAS OVERHEATED.***

***PULL OVER AS SOON AS POSSIBLE, BUT LEAVE THE ENGINE RUNNING.***

***GO TO THE FRONT OF YOUR VEHICLE - IF STEAM AND RADIATOR COOLANT ARE COMING OUT THE FRONT OF YOUR VEHICLE TURN THE ENGINE OFF IMMEDIATELY.***

***IF NO STEAM OR COOLANT IS COMING OUT OF THE FRONT OF YOUR VEHICLE, LEAVE THE ENGINE RUNNING BUT OPEN YOUR BONNET (THE ENGINE COOLS DOWN FASTER WHEN THE ENGINE IS KEPT RUNNING)***

***WHEN THE TEMPERATURE HAS RETURNED TO NORMAL YOU MAY CONTINUE DRIVING BUT WITH CAUTION.***

***IT IS ADVISABLE TO CHECK FOR ANY RADIATOR LEAKS IN THE SYSTEM AND CHECK THE RADIATOR LEVEL BEFORE CONTINUING.***

***THE COOLANT MUST BE REPLACED BEFORE DRIVING AGAIN IF THERE HAS BEEN A LOSS.***

***DO NOT REMOVE THE RADIATOR CAP UNTIL THE ENGINE TEMPERATURE HAS RETURNED TO NORMAL, BE CAREFUL AS COOLANT MAY STILL BE UNDER PRESSURE.***

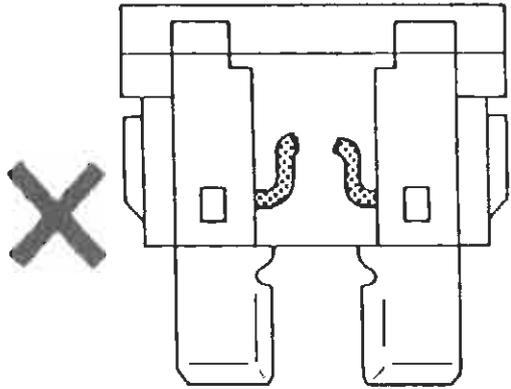
***BEFORE DRIVING IT IS ADVISED TO CHECK COOLANT LEVELS PERIODICALLY AND TO OCCASIONALLY TURN OFF AIR CONDITIONING ON HOT DAYS.***



## ENGINE OILS

<i>PRODUCT</i>	<i>VISCOSITY GRADES</i>	<i>SPECIFICATIONS</i>	<i>USES</i>
<i>QUARTZ 9000</i>	<i>5W / 40</i>	<i>API SJ/SH/CF. API ENERGY CONSERVING ACEA A3-96 &amp; B3-96</i>	<i>FULLY SYNTHETIC OIL FOR PETROL DIESEL ENGINES. COMPATIBLE WITH VEHICLES EQUIPPED WITH CATALYTIC CONVERTERS.</i>
<i>QUARTZ 7000</i>	<i>10W / 40</i>	<i>API SJ/SH/CF. API ENERGY CONSERVING ACEA A3-96 &amp; B3-96</i>	<i>SYNTHETIC BASED MULTIGRADE FOR PETROL &amp; DIESEL ENGINES. COMPATIBLE WITH ALL VEHICLES EQUIPPED WITH CATALYTIC CONVERTERS.</i>
<i>QUARTZ 5000</i>	<i>15W / 40</i>	<i>APISJ/CF, ACEA A2-96 &amp; B2-96</i>	<i>MULTIGRADE OIL FOR PETROL ENGINES. COMPATIBLE WITH ALL VEHICLES EQUIPPED WITH CATALYTIC CONVERTERS.</i>
<i>QUARTZ 5000 DIESEL</i>	<i>15W / 40</i>	<i>API CF. ACEA B2-96</i>	<i>MULTIGRADE OIL FOR TURBO CHARGED &amp; NATURALLY ASPIRATED DIESEL ENGINES.</i>
<i>QUARTZ 3000</i>	<i>20W / 50</i>	<i>API SF / CC</i>	<i>MULTIGRADE OIL FOR OLDER PETROL ENGINES.</i>

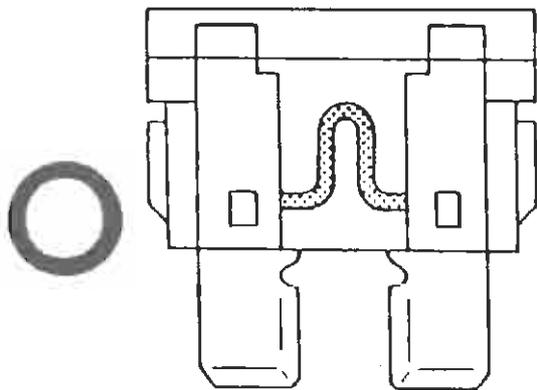
## ***RECOGNISING A BLOWN FUSE***



***IT IS RECOMMENDED THAT BEFORE REPLACING A FUSE YOU FIND OUT WHY THE FUSE SHORTED.***

***MAKE SURE YOU ONLY REPLACE THE FUSE WITH THE SAME AMPERAGE.***

***IF THIS IS NOT AVAILABLE USE A LESSER AMPERAGE.***

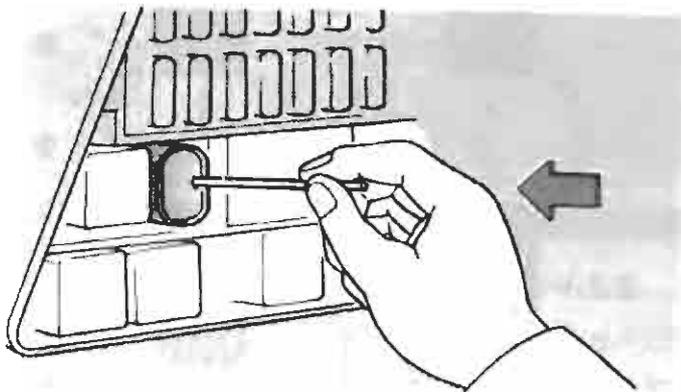


***ALWAYS MAKE SURE THE IGNITION IS IN THE 'LOCK' POSITION BEFORE REPLACING A FUSE.***

***NOTE: IF A FUSE SHORTS AGAIN SHORTLY AFTER REPLACEMENT, GO TO YOUR NEAREST SERVICE CENTRE.***

# FUSE REPLACEMENT

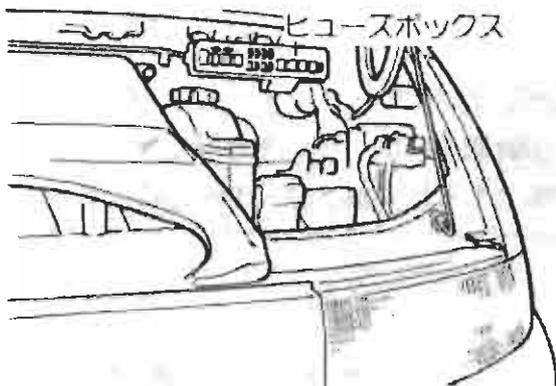
YOU MAY HAVE BLOWN A FUSE OR BULB, OR THE CIRCUIT BREAKER HAS BEEN CUT IF THE LIGHTS DO NOT WORK OR THE ELECTRICAL DEVICES ARE NOT FUNCTIONING, EVEN THOUGH YOUR BATTERY IS NOT FLAT.



## RESTARTING THE CIRCUIT BREAKER

1 - PLACE IGNITION IN 'LOCK' POSITION

2 - INSERT A LONG THIN OBJECT INTO A CIRCUIT BREAKER UNTIL YOU HEAR A 'CLICK'.



## FUSE CHECK AND REPLACEMENT

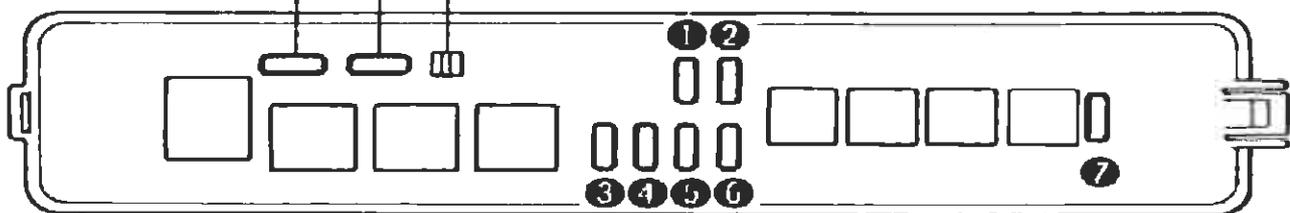
1 - MAKE SURE IGNITION IS IN LOCK POSITION.

2 - FIND THE FUSE THAT NEEDS TO BE CHECKED BY USING THE CHART BELOW. REMOVE FUSE THE THE FUSE REMOVER AND CHECK WHETHER IT HAS BLOWN OR NOT. BOTH THE FUSE REMOVER & SPARE FUSES CAN BE LOCATED INSIDE THE ENGINE BAY FUSE BOX.

SOME FUSES MAY NOT EXIST IN SOME MODELS.

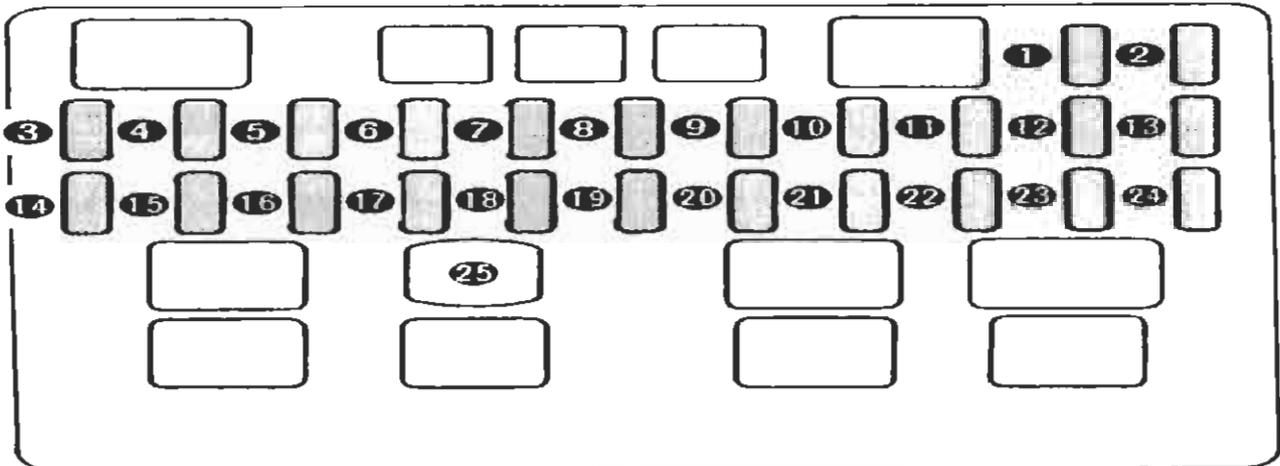
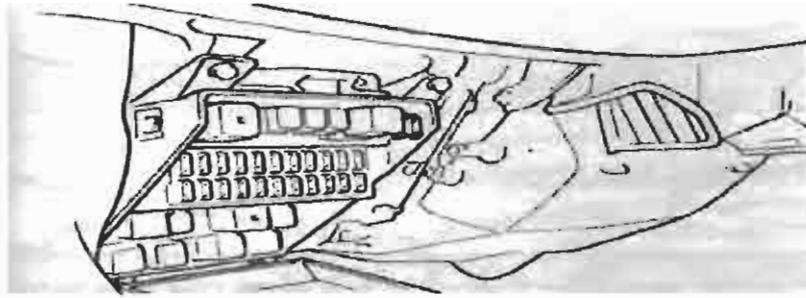
SPARE FUSES 予備ヒューズ

ヒューズはずし  
FUSE REMOVER



### ENGINE BAY FUSE BOX

1 - HAZARD HORN	15A	(HORN & HAZARD LIGHTS)
2 - EFI	15A	(EFI COMPUTER)
3 - RADIO NO. 2	15A	(AUDIO)
4 - INTERIOR LIGHT	7.5A	(INTERIOR LIGHT, IGNITION LIGHT)
5 - HEAD LIGHT (LEFT)	20A	(HEAD LIGHT LEFT)
6 - HEAD LIGHT (RIGHT)	20A	(HEAD LIGHT RIGHT)
7 - AM2	20A	(IGNITION)



**INTERIOR FUSE BOX (LOCATED BELOW PASSENGER'S SEAT)**

1- TAIL LIGHTS	15A	(TAIL LIGHTS, CLEARANCE LIGHTS, LICENSE PLATE LIGHT, METERS)
2- FOG LIGHTS	20A	(FOG LIGHTS)
3- IGNITION	7.5A	(BATTERY WARNING LIGHT, EFI)
4- STARTER A	7.5A	(CIRCUIT OPENING RELAY, START INJECTOR TIME SWITCH)
5- STOP LIGHTS	20A	(BRAKE LIGHTS, 4 WHEEL ABS)
6- ELECTRONICS B	15A	(4 WHEEL ABS)
7- DEFOGGER	15A	(REAR DEFOGGER)
8- REAR HEATER	10A	(REAR HEATER)
9- FRONT WASHER	10A	(FRONT WASHER SWITCH)
10- STARTER	7.5A	(EFI COMPUTER)
11- FRONT WIPER	30A	(FRONT WIPER)
12- METERS	10A	(METERS, REVERSE LIGHTS)
13- ENGINE	7.5A	(ALTERNATOR)
14- T/M ACC	7.5A	(SELECT LEVER POSITION DISPLAY LIGHT)
15- RADIO	7.5A	(RADIO)
16- LIGHTER	15A	(CIGARETTE LIGHTER, CLOCK, ELECTRIC MIRROR)
17- TURN	10A	(INDICATORS)
18- CURTAIN (BACK)	20A	(REAR HATCH CURTAINS)
19- CURTAINS (SIDE)	20A	(SIDE CURTAINS)
20- ELECTRONICS IG	15A	(4 WHEEL ABS)
21- AIR CONDITIONER	15A	(AIR CONDITIONER, COOL & HOT BOX)
22- REAR WIPER	15A	(REAR WIPER & WASHER SWITCH)
23- ENGINE OIL	15A	(ENGINE OIL SELF LUBRICATING MOTOR)
24- FUEL HEATER	20A	(FUEL HEATER)

**CIRCUIT BREAKER**

25- CLOSER, (BACK DOOR EASY CLOSE MECHANISM)

# ***BULB REPLACEMENT***

***WHEN REPLACING BULBS MAKE SURE YOU USE BULBS OF THE SAME WATTAGE.***

***WHEN REPLACING HALOGEN BULBS, ALWAYS WEAR CLEAN GLOVES. DO NOT TOUCH THE BULBS WITH YOUR BARE HANDS.***

***HALOGEN BULBS SHOULD NOT BE DROPPED OR SCRATCHED AS THIS MAY CAUSE THE BULB TO EXPLODE DUE TO THE INTERIOR OF THE BULB BEING UNDER GREATER PRESSURE.***

## ***LIGHT BULB WATTAGE***

### ***FRONT***

#### ***HEADLIGHTS (HALOGEN)***

***OUTSIDE 50/55W***

***INSIDE 65W***

***FOG LIGHTS (HALOGEN) 35W***

***CORNERING LIGHTS 35W***

***CLEARANCE LIGHTS 5W***

***FRONT INDICATORS(HAZARD LIGHTS) 21W***

***SIDE INDICATORS(HAZARD LIGHTS) 5W***

### ***REAR***

***INDICATORS(HAZARD LIGHTS) 21W***

***BRAKES / TAIL LIGHTS 21/5W***

***REVERSE LIGHTS 21W***

***LICENCE PLATES 5W***

### ***INTERIOR***

#### ***INTERIOR LIGHTS:***

***FRONT 10W***

***REAR FLUORESCENT LIGHT (G,X MODEL) 14W***

***REAR INCANDESCENT LIGHT (F MODEL) 10W***

***LUGGAGE COMPARTMENT LIGHT 8W***

***GLOVE BOX LIGHT 1.2W***

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### ***INTERIOR***

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***LUGGAGE COMPARTMENT LIGHT 8W***

***GLOVE BOX LIGHT 1.2W***

## *SERVICE DATA*

	ESTIMA	ESTIMA FMINA	ESTIMA LUCIDA
ENGINE SIZE	2TZ-FE	2TZ-FE / 3C-I	2TZ-FE / 3C-T
BRAKE PEDAL FLOOR CLEARANCE		75 MM OR ABOVE	
CLUTCH PEDAL FREE PLAY		5-15 MM	
PARK BRAKE NOTCHES		4-5	

	2TZ-FE	3C-T
ENGINE OIL CAPACITY (When replacing oil only)	5.5 LTR	4.0 LTR
ENGINE OIL CAPACITY (When replacing oil & oil filter)	5.8 LTR	4.5 LTR
RADIATOR CAPACITY	11.6 LTR	10 LTR (12 ltr for rear heater fitted type)
SPARK PLUG SIZE	PK 16R11 BKR53P11	

***TYRE PRESSURE'S FOR ESTIMA, ESTIMA EMINA ,  
ESTIMA LUCIDA  
(KG / CM<sup>2</sup> )***

TYRE SIZE		FRONT WHEEL	REAR WHEEL
STANDARD TYRE	185SR14	2.3 (2.3)	2.3 (2.3)
	205/70R 14 94H	2.3 (2.3)	2.3 (2.3)
	215/65R 15 96H	2.3 (2.3)	2.3 (2.3)
	215/65R 15 96S	2.3 (2.3)	2.3 (2.3)
SPARE TYRE	T145/80D 16	4.2	4.2

***( ) INDICATES THE TYRE PRESSURE WHEN DRIVING AT HIGH SPEEDS***

# SPECIFICATIONS

## ESTIMA

		C		J		AERAE	
		2WD (rear wheel drive)	4WD	2WD (rear wheel drive)	4WD	2WD (rear wheel drive)	4WD
VEHICLE MODEL	electronically controlled	GF-TCR11W	GF-TCR21W	GF-TCR10W	GF-TCR20W	GF-TCR10W	GF-TCR20W
	4 speed auto (ECT Column)	RFSSV		RRSQV		RRSVV	
WEIGHT	Chassis Weight (kg)	1,770	1,960	1,710	1,800	1,760	1,850
	Total Chassis weight (kg)	2,155	2,245	2,150	2,240	2,200	2,290
	Minimum turning radius						
PERFORMANCE	Fuel consumption rate (km/ltr) at 60 km/h on ground level	15.3	14.2	15.3	14.2	15.3	14.2

## ESTIMA

		L		V		AERAS	
		ZWD (rear wheel drive)	4WD	ZWD (rear wheel drive)	4WD	ZWD (rear wheel drive)	4WD
DIMENSIONS,  SEATING  CAPACITY	TOTAL LENGTH (MM)	4,750					
	TOTAL WIDTH (MM)	1,800					
	TOTAL HEIGHT (MM)	1,780	1,790	1,780	1,790	1,865	1,975
	WHEELBASE (MM)	2,860					
	TREAD (FRONT) (MM)	1,560					
	TREAD (REAR) (MM)	1,550					
	MIN GROUND CLEARANCE (MM)	150	160	150	160	150	160
	INTERIOR LENGTH (MM)	2,000					
	INTERIOR WIDTH (MM)	1,635					
	INTERIOR HEIGHT (MM)	1,320					
	SEATING CAPACITY	7		*			

## ESTIMA

		D		V		AERAS	
		2WD (rear wheel drive)	4WD	2WD (rear wheel drive)	4WD	2WD (rear wheel drive)	4WD
ENGINE	MODEL	2TZ-FZE (2400 16 VALVE EFI)					
	TYPE	VERTICALLY POSITIONED 4 CYLINDER DOHC					
	FUEL	UNLEADED GASOLINE					
	DISPLACEMENT (cc)	2400					
	BORE & STROKE (MM)	85.0 X 84.5					
	COMPRESSION RATIO	8.9					
	MAX OUTPUT (PS/k.p.m)	180/5,000					
	MAX TORQUE (kg.m/k.p.m)	26.3-3,600					
	FUEL SUPPLY SYSTEM	EFI (electronically controlled fuel injection system)					
	FUEL TANK CAPACITY (l)	44					

## ESTIMA

		G		V		AERAS	
		2WD (rear wheel drive)	4WD	2WD (rear wheel drive)	4WD	2WD (rear wheel drive)	4WD
		electronically	controlled	4 speed	automatic	(E.C.T	column)
GEAR RATION	Gear ratio-1st gear	2,804					
	Gear ratio-2nd gear	1,531					
REDUCTION	Gear ratio-3rd gear	1,000					
	Gear ratio-4th gear	0,705					
RATIO	Gear ratio Reverse	2,393					
	Reduction ratio	3,908					
STEERING,	Steering	RACK & PINION					
	Suspension (front)	Mcpherson	type	suspension	coil spring	(with	stabilizer)
SUSPENSION	Suspension (rear)	Double	walbone	coil spring	(4 link	coil spring)	
	Brake (front)	Ventilated disc					
BRAKE,	Brake (rear)	Ventilated disc					
	Drive System	Rear wheel		drive	4 wheel	drive	

## ESTIMA EMINA

ESTIMA EMINA

DRIVE SYSTEM	2WD (REAR WHEEL DRIVE)									
GRADE	G		ELUCEO		X Luxury		X		AERAS	
ENGINE	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)								
5-SPEED MANUAL (FLOOR)								KD-CXR10G- PRMET(n)		
ELECTRONICALLY CONTROLLED 4 SPEED AUTO (ECTICOLUMN)	gf-4cr10g- rfsqk(n)	kd-cxr10g- rfsqk(n)	gf-4cr10g- rfsak(w)	kd-cxr10g- rfsak(w)	gf-4cr10g- rfsak(w)	kd-cxr10g- rfsak(w)	gf-4cr10g- rfsak(n)	kd-cxr10g- rfsak(n)	gf-4cr10g- rfsvk(e)	kd-cxr10g- rfsvk(e)
CHASSIS WEIGHT(kg)	1,670	1,700	1,680	1,690	1,660	1,690	1,630	1,660 manual 1,650	1,670	1,700
TOTAL CHASSIS WEIGHT (kg)	2,055	2,085	2,100	2,130	2,100	2,130	2,070	2,100 manual 2,090	2,110	2,140
MIN TURNING RADIUS(m)	6.4									
FUEL CONSUMPTION RATE (km/ltr) AT 80 km/h ON LEVEL GROUND	14.3	19.5	14.3	19.5	14.3	19.8	14.3	19.8 manual 21.5	14.3	19.8
SEATING CAPACITY	7		4							

**MODELS STATED IN THE 'G' AND 'X' COLUMNS ARE FOR MID ROOF VEHICLES.**

**ON TWIN SUNROOF VEHICLES THE (n) WILL BE REPLACED BY (w)**

**ON CANOPY VEHICLES THE (n) WILL BE REPLACED BY (q)**

**ELUCEO, AND X LUXURY COLUMNS ARE FOR TWIN SUNROOF VEHICLES**

**ON CANOPY VEHICLES (w) WILL BE REPLACED BY (q)**

## ESTIMA EMINA

Drive system	2WD (Rear Wheel drive)									
Grade	G		ELUCEO		L LUXURY		X		AERAS	
ENGINE	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)
5 SPEED MANUAL (FLOOR)								kd-cr10g- rsmf(n)		
ELECTRONICALLY CONTROLLED 4 SPEED AUTO (ECT/COLUMN)	gf-br11g- rfsqk(n)	kd-cr11g- rfsqt(n)	gf-br10g- rfsak(w)	kd-cr10g- rfsat(w)	gf-cr10g- rfsqk(w)	kd-cr10g- rfsqt(w)	gf-br10g- rfsk(n)	kd-cr10g- rfsqt(n)	gf-br10g- rfsvk(e)	kd-cr10g- rfsvt(e)
CHASSIS WEIGHT (kg)	1,670	1,700	1,660	1,680	1,660	1,690	1,630	1,650 <small>manual 1,750</small>	1,670	1,700
TOTAL CHASSIS WEIGHT	2,055	2,085	2,100	2,130	2,100	2,130	2,070	2,100 <small>manual 2,190</small>	2,110	2,140
MAX TURNING RADIUS (m)	5.8									
FUEL CONSUMPTION RATE (km/ltr) AT 60 km/h ON LEVEL GROUND	14.3	19.8	14.3	19.8	14.3	19.8	14.3	19.8 <small>manual 20.0</small>	14.3	19.8
SEATING CAPACITY	7		5							

**MODELS STATED IN 'G' AND 'X' COLUMNS ARE FOR MID ROOF VEHICLES.  
IN TWIN SUNROOF VEHICLES (n) REPLACED WITH (w)  
IN CANOPY VEHICLES (n) REPLACED BY (q)**

**MODELS STATED IN ELUCEO AND L LUXURY COLUMNS ARE FOR TWIN  
SUNROOF VEHICLES.  
IN CANOPY VEHICLES (w) REPLACED BY (q)**

# ESTIMA LUCIDA

ESTIMA LUCIDA

DRIVE SYSTEM	2WD (REAR WHEEL DRIVE)									
GRADE	G		ELUCEO		X Luxury		X		AERAS	
ENGINE	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)
5 SPEED MANUAL (FLOOR)								XD-CXR10G- FORMET		
ELECTRONICALLY CONTROLLED 4 SPEED AUTO (ECT/COLUMN)	gf-ter10g- rfsqk	kd-cxr10g- rfsqt	gf-ter10g- rfsak(x)	kd-cxr10g- rfsat(x)	gf-ter10g- rfsq(x)	kd-cxr10g- rfsqt(x)	gf-ter10g- rfsak	kd-cxr10g- rfsat	gf-ter10g- rfsk	kd-cxr10g- rfsq
CHASSIS WEIGHT(kg)	1,670	1,700	1,660	1,690	1,660	1,690	1,630	1,660 <small>manual 1,650</small>	1,670	1,700
TOTAL CHASSIS WEIGHT (kg)	2,055	2,085	2,100	2,130	2,100	2,130	2,070	2,100 <small>manual 2,090</small>	2,110	2,140
MIN TURNING RADIUS(m)	5.6									
FUEL CONSUMPTION RATE (km/l) AT 60 km/h ON LEVEL GROUND	14.3	19.8	14.3	19.8	14.3	19.8	14.3	19.8	14.3	19.8
SEATING CAPACITY	7		8							

**MODELS STATED IN 'G' AND 'X' COLUMNS ARE FOR MID ROOF VEHICLES.  
IN TWIN SUNROOF VEHICLES (x) WILL BE ADDED TO THE END.  
IN CANOPY VEHICLES (p) WILL BE ADDED TO THE END.**

**MODELS STATED IN ELUCEO AND L LUXURY COLUMNS ARE FOR TWIN  
SUNROOF VEHICLES.  
IN CANOPY VEHICLES (x) REPLACED BY (q)**

# ESTIMA LUCIDA

## ESTIMA LUCIDA

DRIVE SYSTEM	4WD (REAR WHEEL DRIVE)									
GRADE	G		ELUCEO		X Luxury		X		AERAS	
ENGINE	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)	2.4 GAS (2TZ-FE)	2.2 DIESEL TURBO (3C-TE)
5 SPEED MANUAL (FLOOR)								KD-CXR20G- FRMET		
ELECTRONICALLY CONTROLLED 4 SPEED AUTO (ECT/COLUMN)	gf-tcr21g- rfsqk	ks-cxr21g- rfsqt	gf-tcr20g- rsalok	kd-cxr20g- rset(x)	gf-tcr20g- msqk(x)	kd-cxr20g- msqt(x)	gf-tcr20g- msak	kd-cxr20g- msat	gf-tcr20g- msvk	kd-cxr20g- msvt
CHASSIS WEIGHT(kg)	1,770	1,800	1,760	1,790	1,760	1,790	1,730	1,790 <small>(manual 1,790)</small>	1,770	1,800
TOTAL CHASSIS WEIGHT (kg)	2,155	2,165	2,200	2,230	2,200	2,230	2,170	2,200 <small>(manual 2,190)</small>	2,210	2,240
MIN TURNING RADIUS(m)	5.0									
FUEL CONSUMPTION RATE (km/ltr) AT 60 km/h ON LEVEL GROUND	13.4	13.4	13.4 13.4	13.4	13.4	13.4	13.4	13.4 <small>(manual 13.0)</small>	13.4	13.4
SEATING CAPACITY	7		8							

**MODELS STATED IN 'G' AND 'X' COLUMNS ARE FOR MID ROOF VEHICLES.  
IN TWIN SUNROOF VEHICLES (x) WILL BE ADDED TO THE END.  
IN CANOPY VEHICLES (p) WILL BE ADDED TO THE END.**

**MODELS STATED IN ELUCEO AND L LUXURY COLUMNS ARE FOR TWIN  
SUNROOF VEHICLES.  
IN CANOPY VEHICLES (x) REPLACED BY (q)**

## *ESTIMA EMINA AND ESTIMA LUCIDA DIMENSIONS*

	MIDDLE ROOF	TWIN SUNROOF	CANOPY	AERAS
TOTAL LENGTH(mm)	4,690			
TOTAL WIDTH(mm)	1,690			
TOTAL HEIGHT(mm)	1,790	1,820	1,910	1,875
WHEELBASE(mm)	2,860			
TREAD (front)	1,450			
TREAD (rear)	1,440			
MIN GROUND CLEARANCE (mm)	160			
INTERIOR LENGTH (mm)	2,850			
INTERIOR WIDTH (mm)	1,520			
INTERIOR HEIGHT (mm)	1,220	1,220	1,285	1,220

## *ESTIMA EMINA AND ESTIMA LUCIDA GEAR RATIO AND REDUCTION RATIO*

	Electronically controlled 4 speed auto (ECT Column)	5 Speed Manual
GEAR RATIO - 1ST GEAR	(2.452) (2.828)	(3.954)
GEAR RATIO - 2ND GEAR	(1.452) (1.493)	(2.141)
GEAR RATIO - 3RD GEAR	1.000	(1.384)
GEAR RATIO - 4TH GEAR	(0.688) (0.730)	(1.000)
GEAR RATIO - 5TH GEAR		(0.850)
GEAR RATIO - REVERSE	(2.212) (2.703)	(4.091)
REDUCTION RATIO	4,300	4,100(2wd) / 4,300 (4wd)

( ) indicates value of gas vehicles

{ } indicates value of diesel vehicles

## *ESTIMA EMINA AND ESTIMA LUCIDA ENGINE*

MODEL	2.4 GAS (DTZ-PE)	2.2 DIESEL TURBO (3C-16)
TYPE	vertically positioned 4 cylinder DOHC	vertically positioned 4 cylinder OHC
FUEL	unleaded gas	unleaded
DISPLACEMENT (ltr)	2.416	2.164
BORE & STROKE (mm)	95.0 x 98.0	85.0 x 94.0
COMPRESSION RATIO	9.3	22.6
MAX OUTPUT (PS/r.p.m)	125/5,000	105/4,300
MAX TORQUE (kg.m/r.p.m)	21.0/4,600	23.0/2,600
FUEL SUPPLY SYSTEM	EFI (electronically controlled fuel injection system)	EFI (electronically controlled distributor system)
FUEL TANK CAPACITY (ltr)	60	60

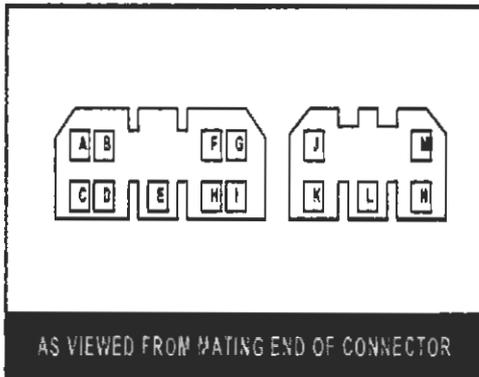
## *ESTIMA EMINA AND ESTIMA LUCIDA STEERING, SUSPENSION, BRAKE AND DRIVE SYSTEM*

STEERING	RACK & PINION
SUSPENSION (FRONT)	STRUT COIL SPRING (with stabilizer)
SUSPENSION (REAR)	DOUBLE WISHBONE COIL SPRING (4 link coil spring)
BRAKE (FRONT)	VENTILATED DISC
BRAKE (REAR)	VENTILATED DISC
DRIVE SYSTEM	REAR WHEEL DRIVE / 4 WHEEL DRIVE

4 link coil spring is used for ELUCEO, X Luxury, X, AERAS

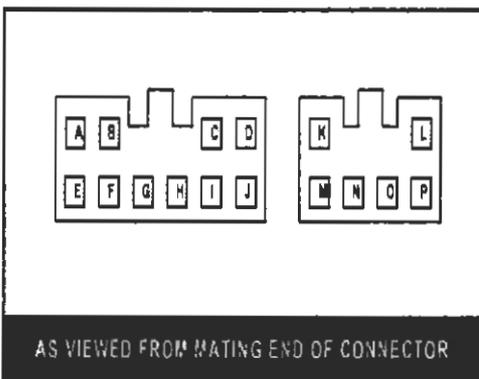
# Toyota Radio Wire Harnesses

## Up To 1983-1986



Pin	What It Is	Typical Toyota In Dash Wire Color	Typical New Radio Equivalent Wire Color
A	Right Front Speaker (+)	Green	Gray
B	Left Front Speaker (+)	Pink	White
C	Right Front Speaker (-)	Blue	Gray w/ Black Stripe
D	Left Front Speaker (-)	Purple	White w/ Black Stripe
E	Ground Wire	Black	Black
F	+12 Volt Ignition Wire	Gray	Red
G	Power Antenna Wire 1		Blue (join wires 1 & 2 together to this blue wire)
H	Power Antenna Wire 2		
I		<i>Do Not Use</i>	
J	Right Rear Speaker (+)	Red	Purple
K	Right Rear Speaker (-)	White	Purple w/ Black Stripe
L	+12 Volt Battery Wire	Blue w/ Yellow Stripe	Yellow
M	Left Rear Speaker (+)	Black	Green
N	Left Rear Speaker (-)	Yellow	Green w/ Black Stripe

## 1987 And Newer



Pin	What It Is	Typical Toyota In Dash Wire Color	Typical New Radio Equivalent Wire Color
A	Right Front Speaker (+)	Green	Gray
B	Left Front Speaker (+)	Pink	White
C	+12 Volt Ignition Wire	Gray	Red
D	+12 Volt Battery Wire	Blue w/ Yellow Stripe	Yellow
E	Right Front Speaker (-)	Blue	Gray w/ Black Stripe
F	Left Front Speaker (-)	Purple	White w/ Black Stripe
G	Ground Wire	Black	Black
H	Power Antenna Wire 1		Blue (join wires 1 & 2 together to this blue wire)
I	Power Antenna Wire 2		
J		<i>Do Not Use</i>	
K	Right Rear Speaker (+)	Red	Purple
L	Left Rear Speaker (+)	Black	Green
M	Right Rear Speaker (-)	White	Purple w/ Black Stripe
N		<i>Do Not Use</i>	
O		<i>Do Not Use</i>	
P	Left Rear Speaker (-)	Yellow	Green w/ Black Stripe

Note: using an optional snap on wire harness adapter will simplify the wiring. Most snap on wire harness adapters have already converted and color coded the wires from the auto makers in dash wire harness to match typical aftermarket radio wire colors.

\*\* The wire colors listed in the chart above are typical for these vehicles during these years but may not be the exact colors for this vehicle. This is another reason to use a snap on wire harness adapter. \*\*