

LANCIA



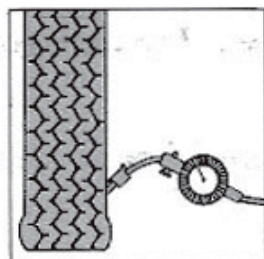
DEDRA



Scanned and collected as PDF by Signore Procione
mike-75@yandex.ru
icq 194565513

Owner Handbook

QUICK REFERENCE



45290

Tyre inflation pressures (tyres cold), expressed in bar

	Medium load				Fully laden			
	Dedra 1.6 i.e.	Dedra 1.8 i.e.	Dedra 2.0 i.e.	Dedra 2.0 turbo ds	Dedra 1.6 i.e.	Dedra 1.8 i.e.	Dedra 2.0 i.e.	Dedra 2.0 turbo ds
Front tyres	2	2.2	2.2	2.3 (2.2)	2.2	2.3	2.3	2.4 (2.3)
Rear tyres	2	2.1	2.1	2.1	2.2	2.2	2.2	2.2

N.B. The tyre pressures indicated in parentheses are for the optional tyres. If a single value is given, use it for both standard and optional tyres.

Increase the pressures by 0.1 bar if your car is equipped with an air conditioner.

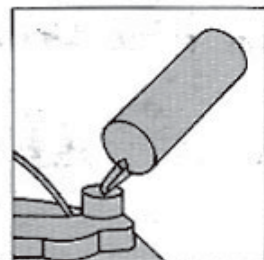
Oil change capacities

	Dedra 1.6 i.e.	Dedra 1.8 i.e.	Dedra 2.0 i.e.	Dedra 2.0 turbo ds
Engine sump	3.35 dm ³ (3 kg)	4.80 dm ³ (4.30 kg)	4.80 dm ³ (4.30 kg)	4.30 dm ³ (3.80 kg)
Engine sump and filter	3.75 dm ³ (3.30 kg)	5.20 dm ³ (4.70 kg)	5.20 dm ³ (4.70 kg)	5 dm ³ (4.40 kg)

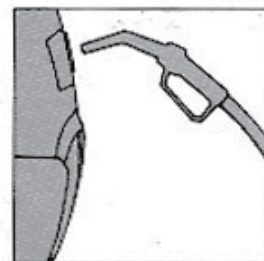
The difference between the MIN and MAX marks on the dipstick corresponds to about 1 litre of oil.

Fuel tank capacity: 63 litres (including a reserve of 5-8 litres)

Use leaded or unleaded super petrol (minimum octane number: 95) in the petrol engines.



45291



45292

Congratulations on choosing a LANCIA.

The owner handbook has been prepared to help you fully appreciate your new car.

We suggest you read it carefully before driving the car for the first time.

This handbook includes information and suggestions for the proper use of the car. We feel you will be convinced that you have made the right choice.

A service schedule maintenance coupon booklet is supplied along with this handbook.

The booklet also contains the warranty certificate and explains the terms of the warranty.

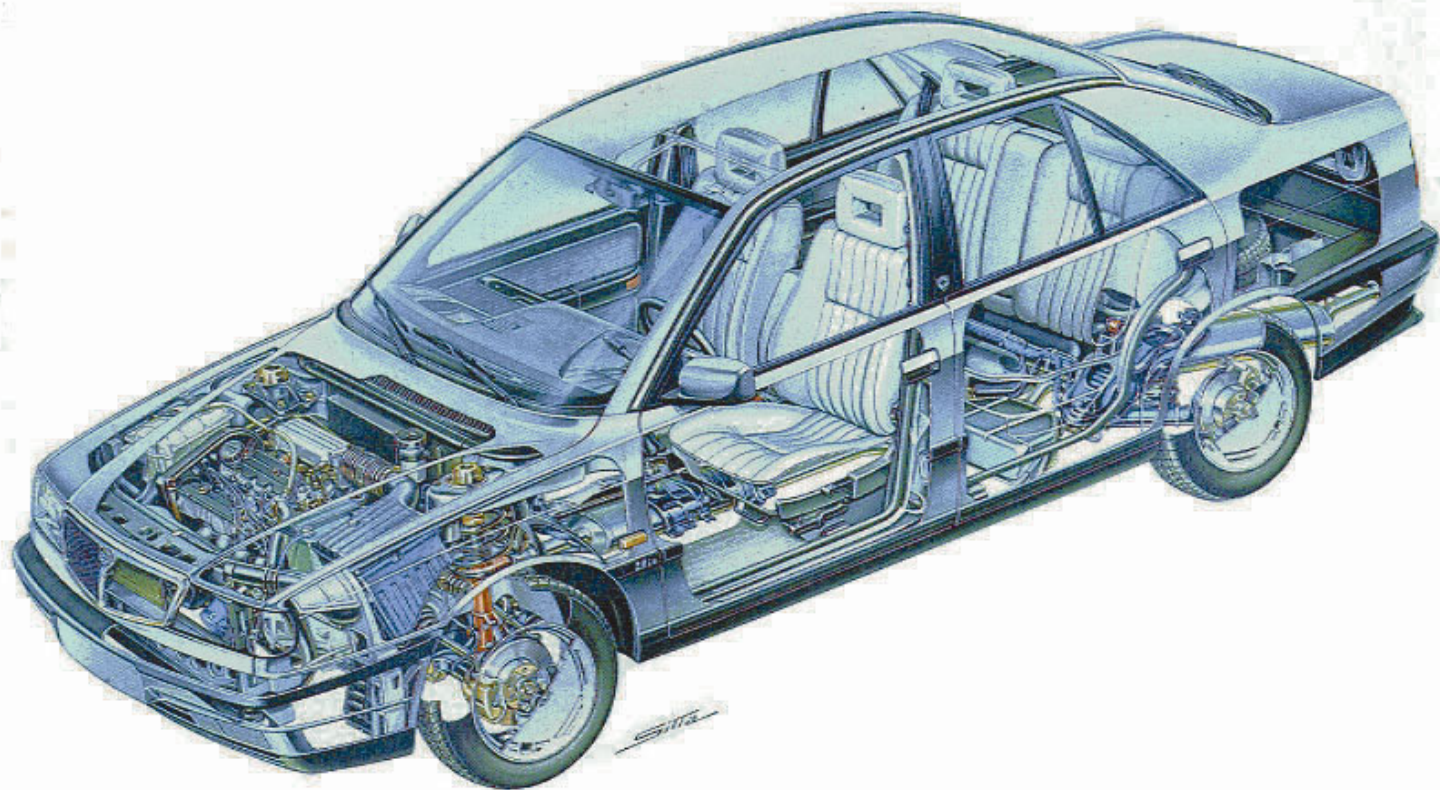
We are sure that you will enjoy your new car, and will drive it with pleasure for many years to come.

LANCIA



TABLE OF CONTENTS

	Page
Getting to know your car	5
Driving your car	73
What to do if...	81
Maintenance and servicing	99
Body care and maintenance	121
Specifications	127
Appendix	147
Index	157



GETTING TO KNOW YOUR CAR

	Page
Instrument panel	6
Keys, ignition, steering column lock	9
Instrument panel	10
Instruments	15
Indicator and warning lights	28
Heating and ventilation (manual)	30
Heating and ventilation (automatic)	34
Air conditioner	38
Controls	43
Individual settings	47
Adjustable damping system	54
Antilock braking system	55
Doors	56
Boot	60
Bonnet	64
Headlights	65
Filling the fuel tank	66
Accessories	66
Sun roof	69
Radio	70

Instrument panel

Speaker housing

Horn

Air vent

Air volume regulation

Direction indicator, low/high beam headlights and rear fog-guard light control stalk

Bonnet release lever

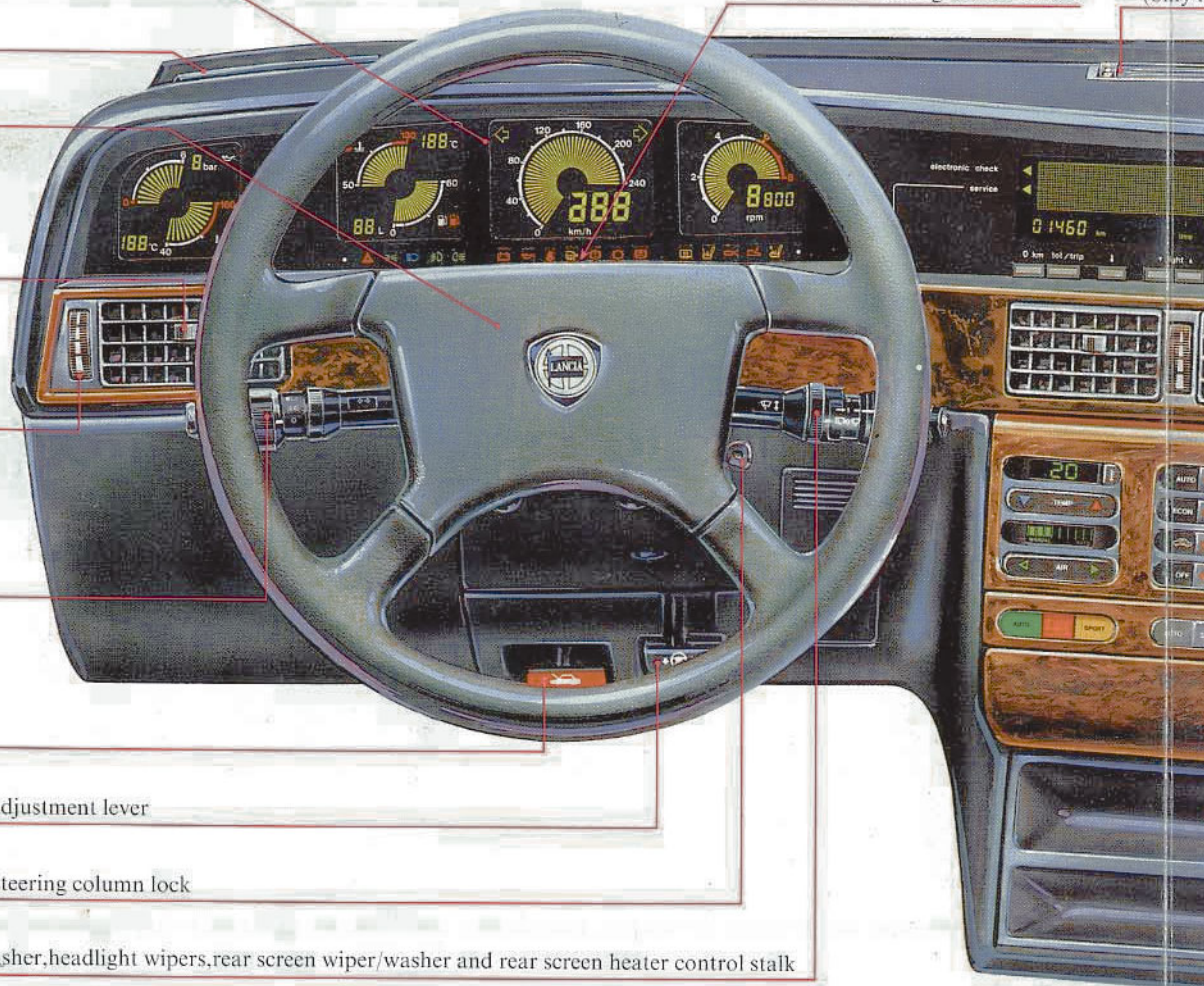
Steering wheel rake adjustment lever

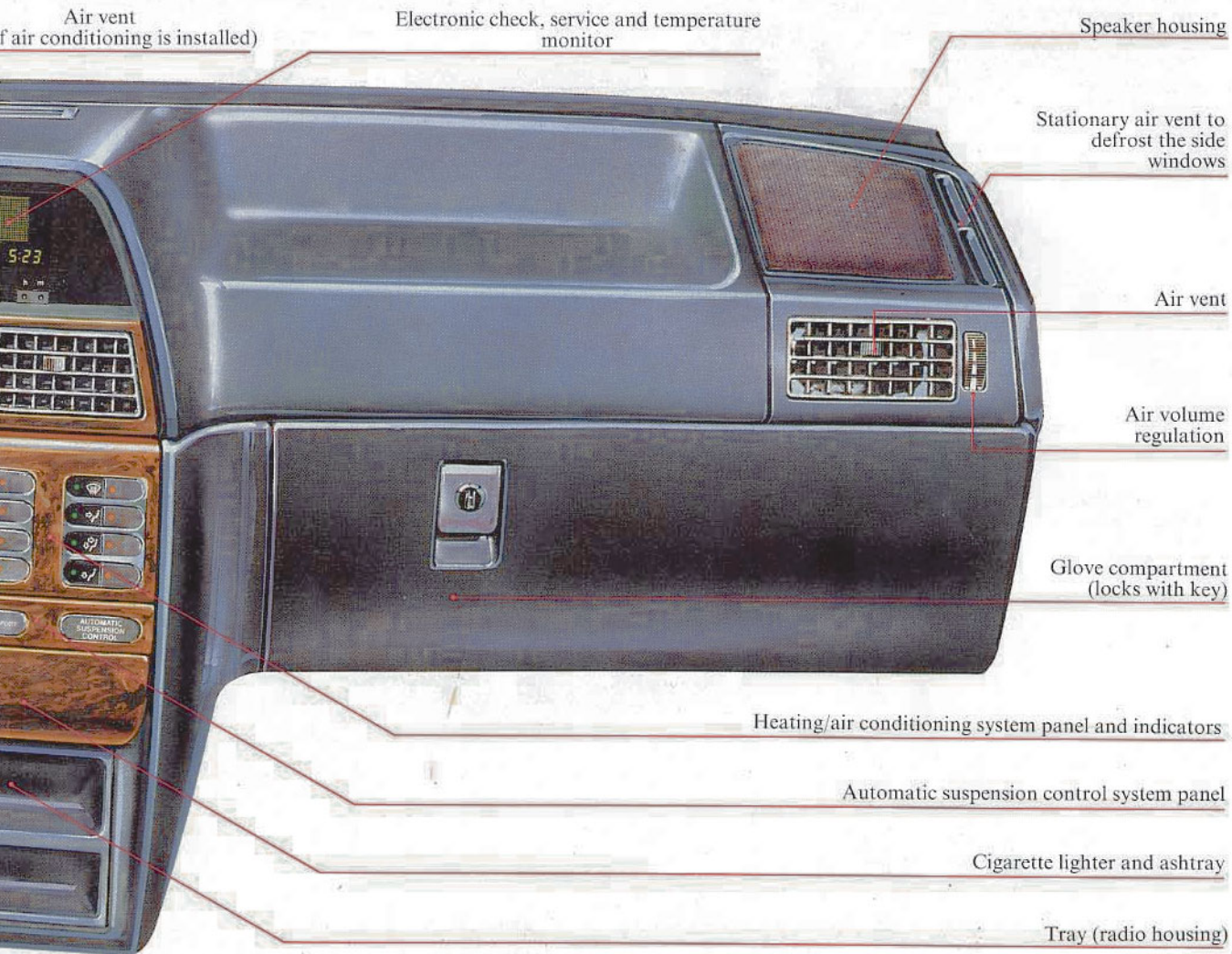
Ignition switch and steering column lock

Windscreen wiper/washer, headlight wipers, rear screen wiper/washer and rear screen heater control stalk

Hazard warning flasher switch

(only i





Instrument panel

Hazard warning flasher switch

Speaker housing

Horn

Air vent

Air volume
regulation

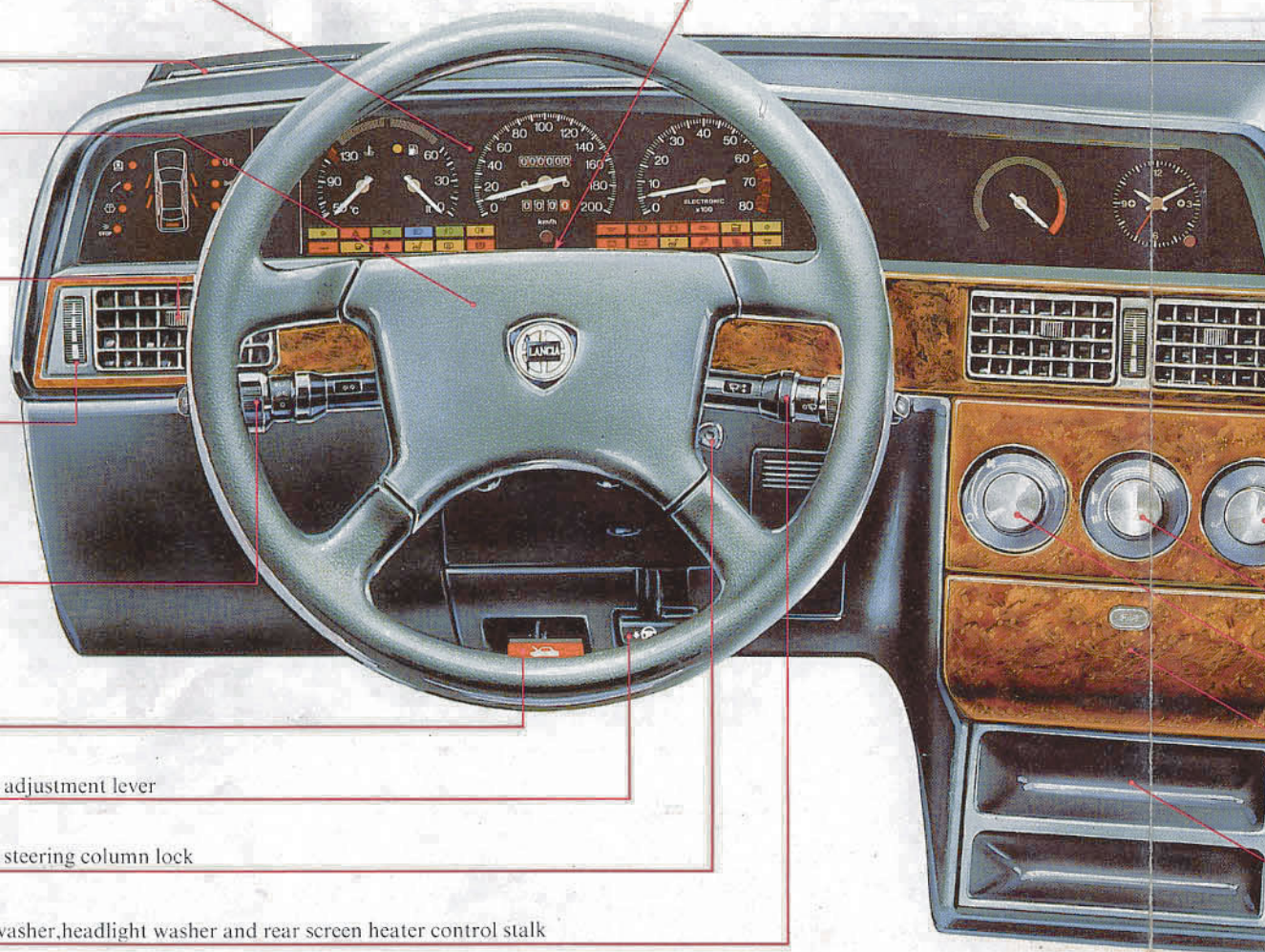
Direction indicator,
low/high beam
headlights and
rear fog-guard light
control stalk

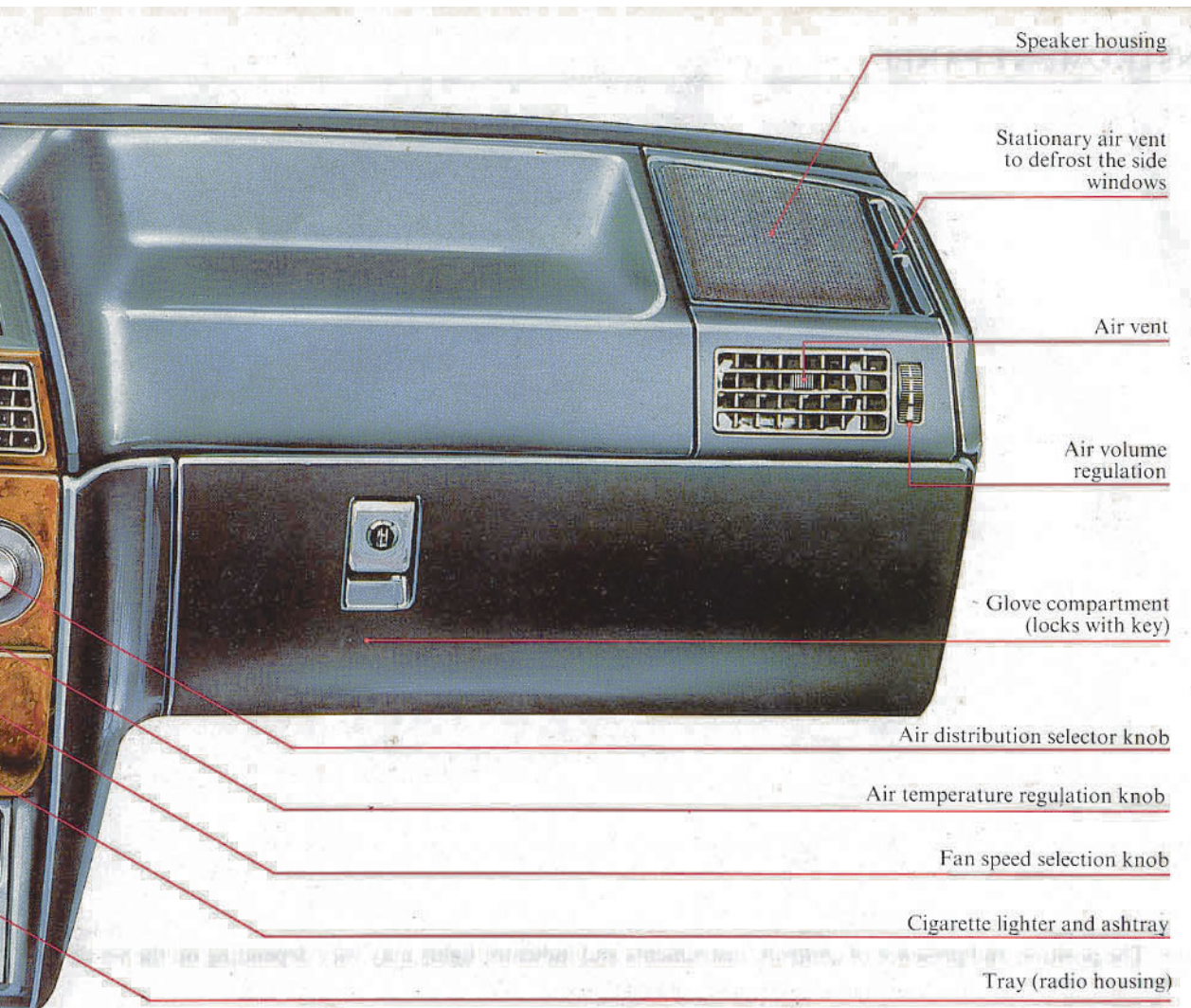
Bonnet release lever

Steering wheel rake adjustment lever

Ignition switch and steering column lock

Windscreen wiper/washer, headlight washer and rear screen heater control stalk





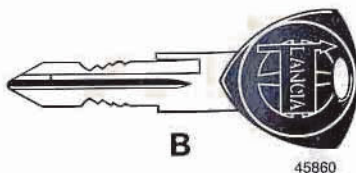
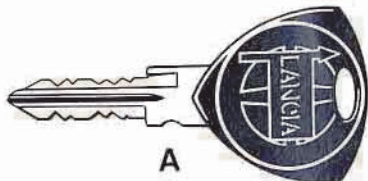
KEYS, IGNITION, STEERING COLUMN LOCK

Keys

Your car comes with two different keys (and duplicates).

- A - (larger grip): Key for locking and unlocking doors, boot, fuel filler cap and ignition.
- B - (smaller grip): Key which operates only the ignition (may be given to garage or car park personnel).

An adhesive tag is included with the keys giving the number you need to get duplicates from your dealer.
Put this tag in a safe place (not on your key ring).



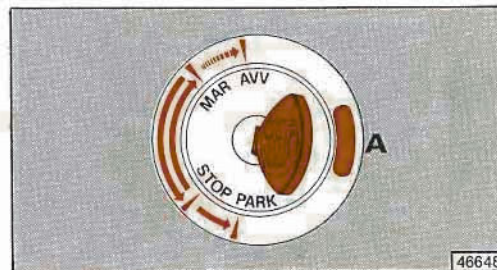
New keys cannot be issued if you do not know the key code number.

Ignition switch

STOP - Steering column lock, key can be removed.

- MAR - Driving position, electrical system energised.
 - AVV - Starting.
 - PARK - Side lights on, steering column locked, key can be removed.
- Press button A to select the PARK position.

The ignition switch is illuminated when one of the side doors is opened. The light will turn off a couple of seconds after the door is closed.



Steering column lock

Locking: when the ignition is at STOP or PARK turn the steering wheel to the left or right until you hear the lock mechanism click.

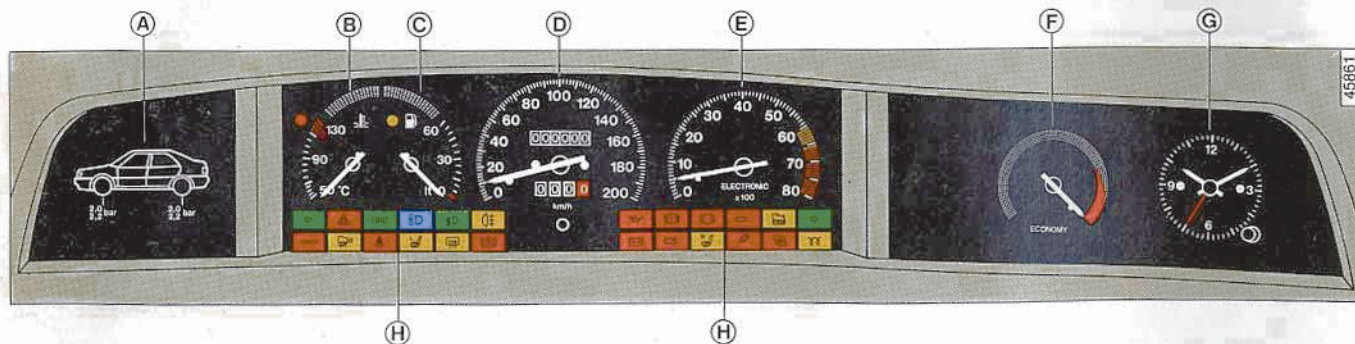
Unlocking: after turning the ignition key to MAR, move the wheel slightly in either direction to disengage the steering column lock.

Never remove the ignition key when the car is moving! If you do the steering column will lock the first time you turn the wheel.

In case the ignition switch has been tampered with (e.g., attempted theft) it is advisable to have it checked by Lancia Service personnel for proper operation.

INSTRUMENT PANEL

Dedra 1.6 i.e.

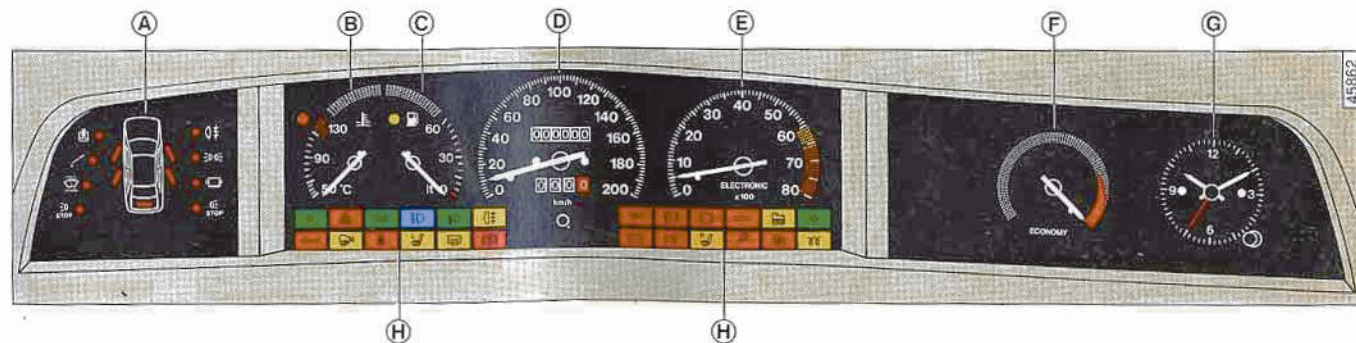


- | | |
|---|---------------------------------|
| A. Tyre inflation pressure chart | E. Rev counter |
| B. Coolant temperature gauge and warning light | F. Fuel economy gauge |
| C. Fuel gauge and reserve warning light | G. Clock |
| D. Speedometer, odometer, trip odometer, trip odometer reset button | H. Indicator and warning lights |

INSTRUMENT PANEL

Dedra 1.6 i.e. with Check System and Dedra 1.8 i.e.

The figure below shows the instrument panel of the Dedra 1.6 i.e. with the Check System; the Dedra 1.8 i.e. panel is slightly different.

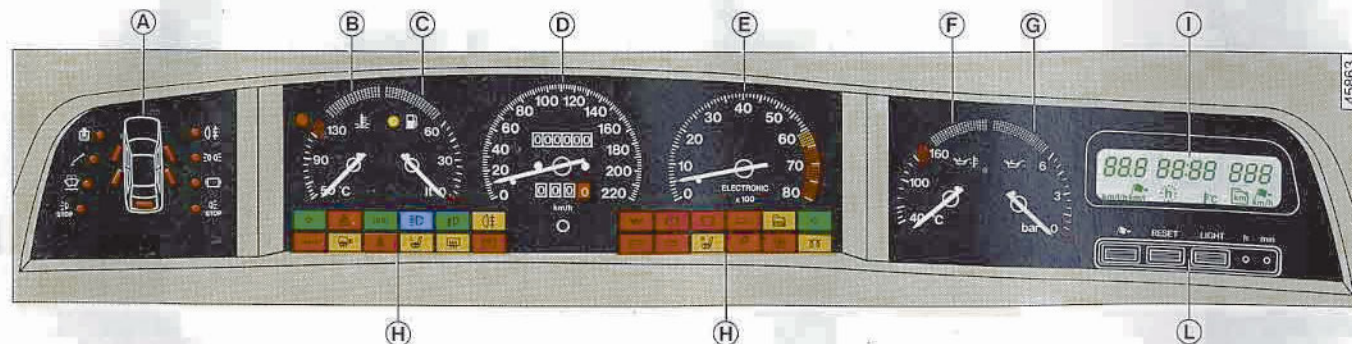


- A. Check system
- B. Coolant temperature gauge and warning light
- C. Fuel gauge and reserve warning light
- D. Speedometer, odometer, trip odometer, trip odometer reset button

- E. Rev counter
- F. Fuel economy gauge
- G. Clock
- H. Indicator and warning lights

INSTRUMENT PANEL

Dedra 1.8 i.e. with Trip Computer

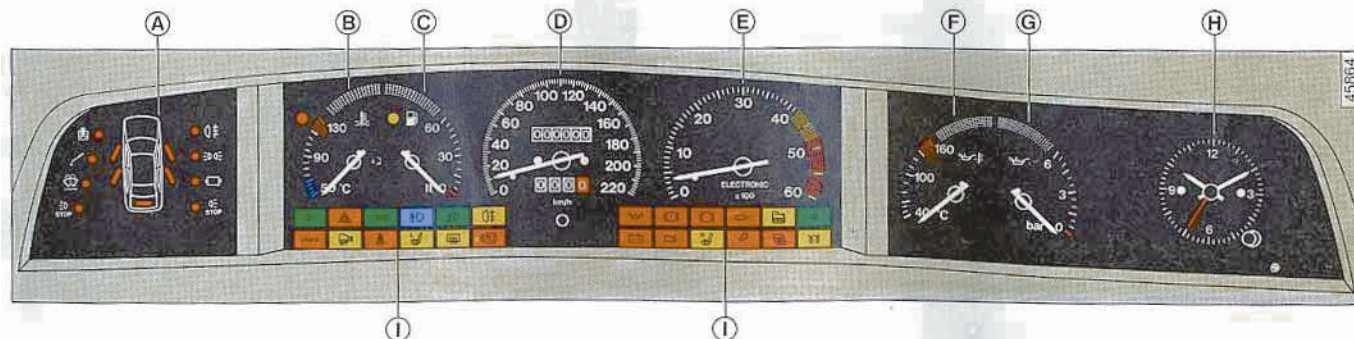


- A. Check system
- B. Coolant temperature gauge and warning light
- C. Fuel gauge and reserve warning light
- D. Speedometer, odometer, trip odometer, trip odometer reset button
- E. Rev counter

- F. Oil temperature gauge
- G. Oil pressure gauge
- H. Indicator and warning lights
- I. Trip computer display
- L. Trip computer control panel

INSTRUMENT PANEL

Dedra 2.0 turbo ds



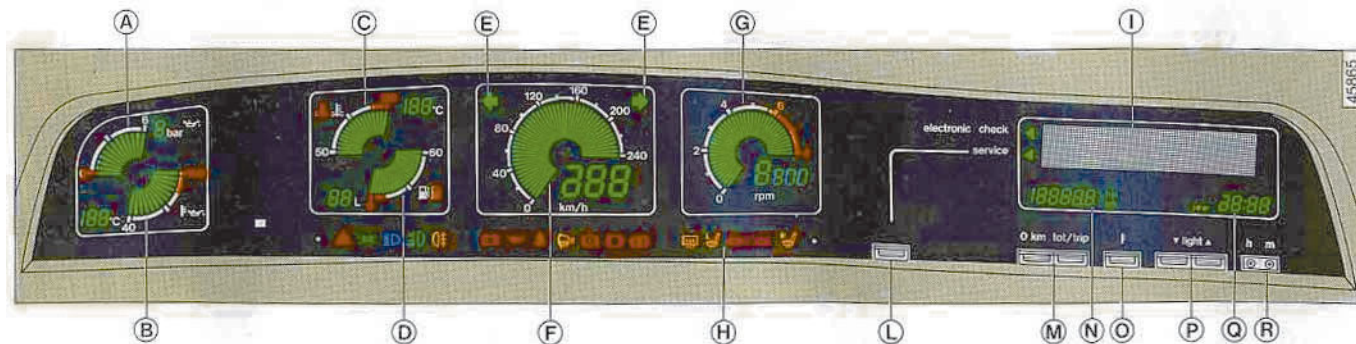
- A. Check system
- B. Coolant temperature gauge and warning light
- C. Fuel gauge and reserve warning light
- D. Speedometer, odometer, trip odometer, trip odometer reset button

- E. Rev counter
- F. Oil temperature gauge
- G. Oil pressure gauge
- H. Clock
- I. Indicator and warning lights

INSTRUMENT PANEL

Dedra 2.0 i.e. and 2.0 turbo ds with opto-electronic instruments

The figure belows shows the instrument panel for the Dedra 2.0 i.e.; the Dedra 2.0 turbo ds varies slightly (some instruments and indicators are different).



- A. Oil pressure gauge
- B. Oil temperature gauge
- C. Coolant temperature gauge and warning light
- D. Fuel gauge and reserve warning light
- E. Direction indicators
- F. Speedometer
- G. Rev counter
- H. Indicator and warning lights

- I. Electronic check, service and exterior temperature display
- L. Button for service functions
- M. Button for odometer functions
- N. Odometer and trip odometer
- O. Exterior temperature display button
- P. Instrument light dimmer
- Q. Clock
- R. Clock adjustment buttons

INSTRUMENTS

Opto-electronic instruments. Self test.

When you turn the ignition key to MAR all the LC segments of the simulated analogue instruments, digital readouts and pixels of display I will illuminate. The self-test lasts for a couple of seconds and then the instruments will indicate current values.

Dimming the opto-electronic display

Under low-light conditions (dusk, night, while driving in a tunnel) the instrument lighting will be automatically dimmed.

Press the “light” button if you wish to change the automatic setting.

Button ▼ : decreases illumination.

Button ▲ : increases illumination.

Display luminosity will increase with respect to the light level set to call your attention to a series of important messages (e.g., fuel in reserve, coolant temperature too high, etc.).

Information displayed

Monitor I displays the “electronic check” and service messages, as well as the outside temperature. The “electronic check” messages are displayed automatically; the service messages and outside temperature can be displayed by pressing L and O respectively.

Language selection

Press button L (“service”) while turning the ignition key to MAR. After the self-test has been completed the following words will appear on the screen:

ITALIANO, EN FRANCAIS, ENGLISH, DEUTSCH, ESPANOL. Release and press button L to select one of these languages. When your language appears press button O (outside temperature) to store the setting in memory.



INSTRUMENTS

Electronic checks



The electronic check system diagnoses and indicates when malfunctions occur that can adversely affect vehicle operation and safety.

The car is in perfect working order when the following message appears for a few seconds after starting: CHECK OK.

No messages are displayed even if the side and fog-guard lights are on and the brake pedal pressed down.

If malfunctions occur, a short description will appear on the screen. If one of the doors is left open the door's location will also be displayed. When a message appears the triangle next to "electronic check" will flash.

If several malfunctions occur at the same time, the messages will be displayed in a cyclical fashion.

The following information should help you to correctly interpret the messages which may appear on the "Electronic check" screen. Five additional messages regard the improper closure of the side doors and boot, and an excessively high oil temperature.

● ENGINE OIL LEVEL LOW

This message indicates either a low oil level or a malfunction of the oil sensor circuit (i.e., sensor failure or circuit open). When the engine is running the oil level and circuit are no longer monitored.

This message is stored in system memory. Therefore, in addition to topping up the oil level, replacing the sensor, or repairing the circuit, it is necessary to turn the key back to the STOP position to clear the memory.

Important: If the car is started on a grade or re-started after only 10 minutes, the low oil message may be displayed. Since the message is stored in memory, start the engine again when the car is on level ground to ensure all vehicle systems are in proper working order.

● ENGINE COOLING LIQUID LEVEL LOW

● WINDSHIELD WASHER WATER LOW


Both these messages exclusively regard the liquid levels, not

INSTRUMENTS

circuit malfunctions. The message will disappear as soon as the level(s) are topped up. It is not necessary to turn the ignition key back to STOP.

- FRONT SIDE-LIGHT DEFECT
- REAR SIDE-LIGHT DEFECT
- REAR FOG LIGHT DEFECT
- REGISTRAT. PLATE LIGHT DEFECT

Each of the above messages indicates one or more light bulbs has burned out, a fuse has blown, or an interruption in power supply.

The “electronic check” system does not indicate when the two fuses protecting the number plate/side light circuits blow at the same time. This condition is only indicated by the fact that the side light indicator  does not illuminate.

Periodically check from outside the car that all the exterior lights are working properly.

- RIGHT STOP LIGHT DEFECT
- LEFT STOP LIGHT DEFECT

If either of these messages appear when the brake pedal is pressed down, a stop light bulb in the taillight unit has burned out.

If both bulbs burn out at the same time, the fuse blows, or a

circuit malfunction occurs, both messages will flash one after the other even if the brake pedal is not depressed.

Service messages and outside temperature

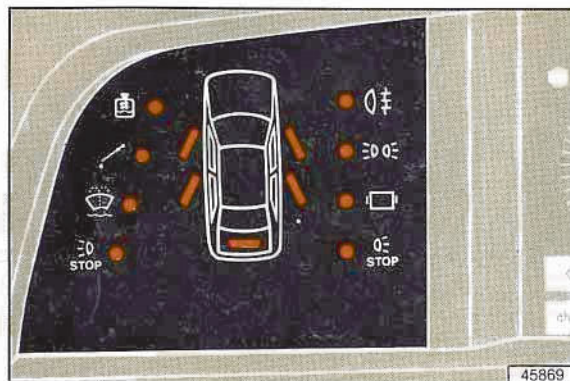


The service messages regard proper vehicle operation and maintenance. Several pages of messages appear in a cyclical fashion when button L is pressed. If you press the button within eight seconds after a page appears the next page will be displayed. Hold the button down if you wish the pages to scroll.

Electronic check malfunction messages will override service messages or the outside temperature on the display.

To display the outside temperature press button O; the temperature will continue to be displayed until you press the same button again or the service button. The temperature is displayed automatically when the weather is cold.

Check Panel

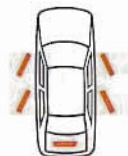


This is an electronic device that monitors and displays malfunctions which could affect vehicle operation or safety.

When all systems are operating properly (key at MAR), all the panel LEDs are off. The panel LEDs should remain off even if the side and rear-fog guard lights are on, or if the brake pedal is depressed.

Whenever one of the LEDs turns on, the general malfunction light will also illuminate.

Doors and boot lid



If one of the doors or boot lid is open, the LED at the corresponding position on the panel will turn on.


Fluid levels



Engine oil

This LED indicates a low oil level, circuit malfunction, or sensor failure. When the engine is running the oil level and circuit are not monitored.

This warning is stored in the panel's memory. Therefore, in addition to topping up the oil level, replacing the sensor, or repairing the circuit, it is necessary to turn the key back to the STOP position to clear the memory.

Important: If the car is started on a grade or re-started after only 10 minutes, the  LED may turn on. Since the warning is stored in panel memory start the engine again when the car is on level ground to ensure all vehicle systems are in proper working order.

INSTRUMENTS



Coolant



Windscreen washer liquid

Both these LEDs indicate low liquid levels, not circuit malfunctions. The LED will turn off when the level is topped up after turning the ignition key back to STOP.

Exterior lights



Side lights




Number plate lights



Rear fog-guard lights

These LEDs indicate that a light bulb has burned out, a fuse has blown, or a circuit malfunction has occurred.

The Check Panel does not indicate when the two fuses protecting the number plate/side light circuits blow at the same time. This condition is only indicated by the fact that the side light indicator  does not illuminate.

Periodically check from the outside of the car that all the exterior lights are working properly.



Left stop light



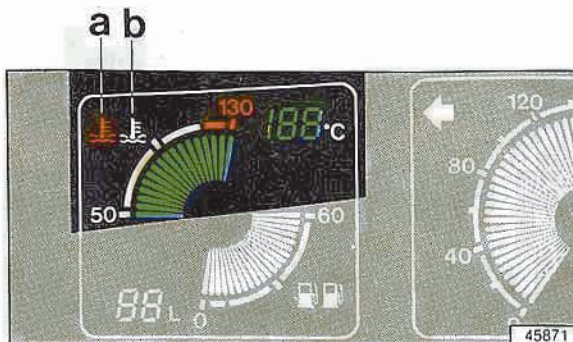
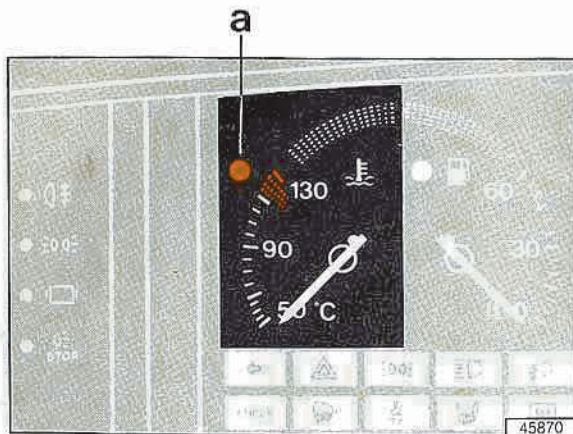
Right stop light

If one of these LEDs turns on when the brake pedal is depressed the corresponding bulb located in the taillight unit has burned out.

If both bulbs burn out at the same time, the fuse blows, or if a circuit malfunction occurs, both LEDs will turn on at the same time even if the brake pedal is not depressed.

INSTRUMENTS

Coolant temperature gauge and warning light



This gauge starts indicating the temperature when it exceeds 50°C.

Under normal operating conditions the needle or bars should be at the centre of the scale.

If they approach the red zone, the engine is labouring. Engine speed should be reduced. Overheating can also occur at very low speeds when the outside temperature is high. In this latter case, stop for a couple of seconds and accelerate gently.

If the coolant temperature continues to increase, stop the engine and have the car taken to a LANCIA Service Centre.

When the coolant temperature is too high warning light "a" will turn on. When it illuminates the needle will also go to the end of the scale.

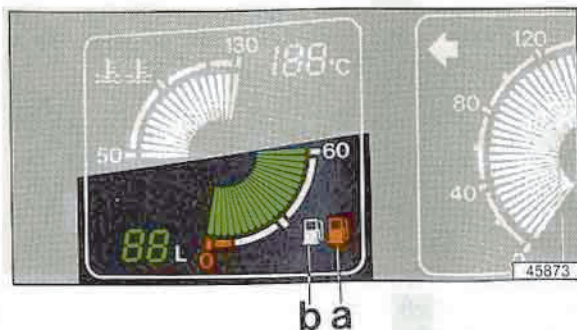
If you have opto-electronic instruments, warning light "a" flashes. The emergency condition is also indicated by white symbol "b" turning off and an increase in instrument illumination.

Each of the opto-electronic instrument segments represents 5°C.

Note: after driving under severe conditions, do not switch off the engine immediately. Let it idle for a couple of minutes until the gauge indicates the temperature has begun to drop. The radiator fan does not operate when the engine has been switched off.

INSTRUMENTS

Fuel gauge with reserve warning light



The fuel tank has a capacity of 63 litres.

When reserve warning light “a” turns on there are only 5 to 8 litres of fuel left in the tank.

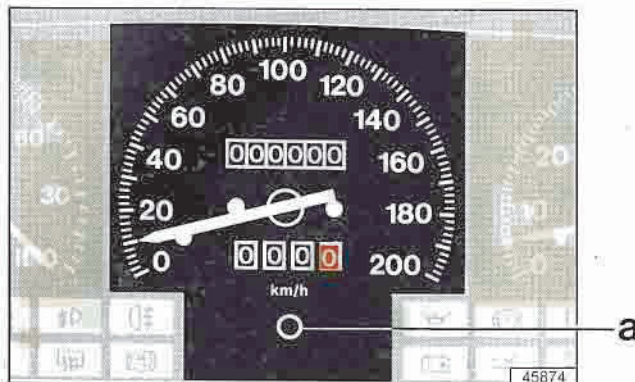
Opto-electronic reserve warning light “a” flashes. When it starts flashing symbol “b” turns off and the instrument’s luminosity increases.

The digital fuel capacity display indicates down to a minimum of 5 litres. Below this volume two dashes appear (--).

Each instrument segment represents 3 litres.

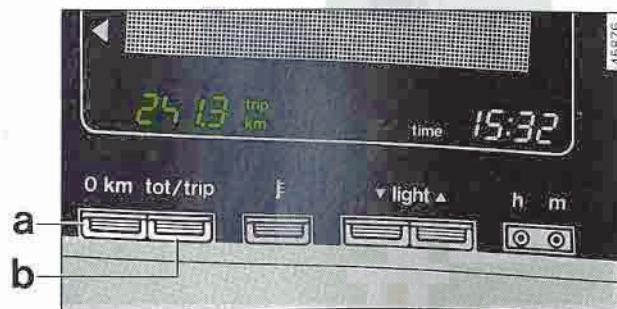
INSTRUMENTS

Speedometer - odometer



Depending on the engine, the speedometer end-of-scale value is 200, 220, or 240 km/h.

The digital display of the opto-electronic instrument indicates speeds lower than 5 km/h with "0". The opto-electronic instrument segments each represent a value of 5 km/h.



Button "a" is used to reset the trip odometer.

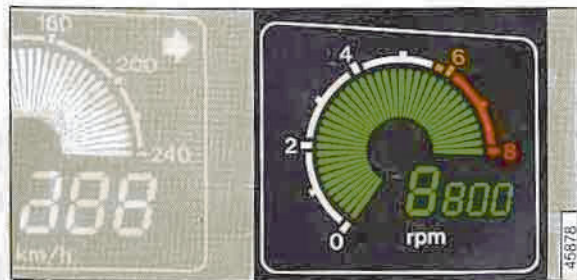
In order to reset the trip mileage on the opto-electronic instrument, the value has to be displayed.

Button "b" is used to select the total mileage or the trip mileage.

When the trip mileage is displayed, the number after the decimal point gives fractional values.

If a power interruption occurs (disconnection of battery for charging or replacement) the trip mileage is automatically reset. The total mileage may reverse up to a total of 4 km with respect to the value displayed before disconnecting the battery.

Rev counter



The rev counter's red and yellow zones are different depending on the version. The Dedra 2.0 turbo ds has an end-of-scale value of 6000 rpm.

Driving the car at yellow zone rpm's will not damage the engine, although there is no improvement in performance. The car should only be driven at red zone speeds briefly. The digital display of the opto-electronic instrument increases in increments of 100 rpm, while the bars of the analogue simulation each represent 200 rpm.

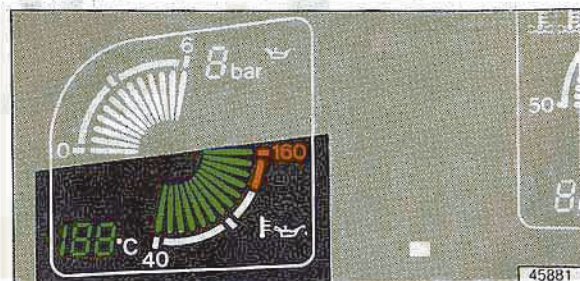
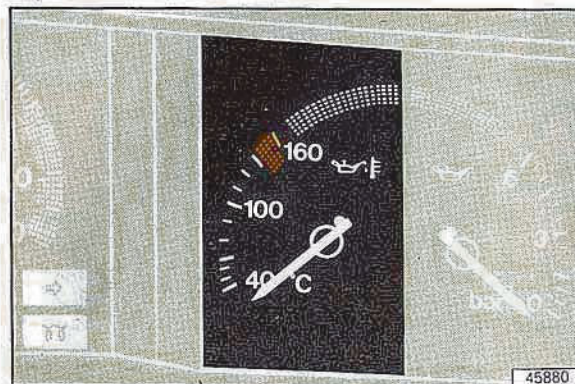
Fuel economy gauge



This gauge indicates moderate fuel consumption when the needle is in the white zone. Consumption is moderate to high in the white/red zone. When the engine is labouring or when accelerating rapidly, the needle will go into the red zone: fuel consumption is high.

INSTRUMENTS

Oil temperature gauge



The temperature values should always be lower than those indicated by the red zone.

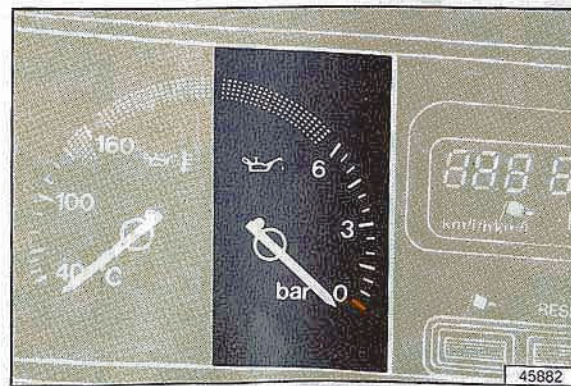
If the gauge indicates red zone values, stop the car without switching off the engine. Wait a couple of seconds at idle.

If the temperature does not appear to go down, switch off the engine and have the car taken to a LANCIA Service Centre.

When the temperature of the opto-electronic instrument exceeds 140°C, the message: ENGINE OIL TEMP. TOO HIGH appears on the "electronic check" display.

Each segment of the opto-electronic analogue display corresponds to 10°C.

Oil pressure gauge



When the oil is very hot (temperature around 120°C) the pressure should be between 2 bar (at idle) and 5.5 bar (at high rpm's).

At lower oil temperatures pressures are higher.



When starting the engine under rigid climatic conditions, the oil pressure may exceed normal values. Do not accelerate rapidly; wait until the pressure drops to within normal limits. The following conditions indicate a malfunction:

- an oil pressure below 3.5 bar at high rpm's (> 5000 rpm) when the engine is hot;
- an oil pressure above 4.5 bar when the engine is cold or at moderate temperatures and low rpm's (< 2000 rpm).

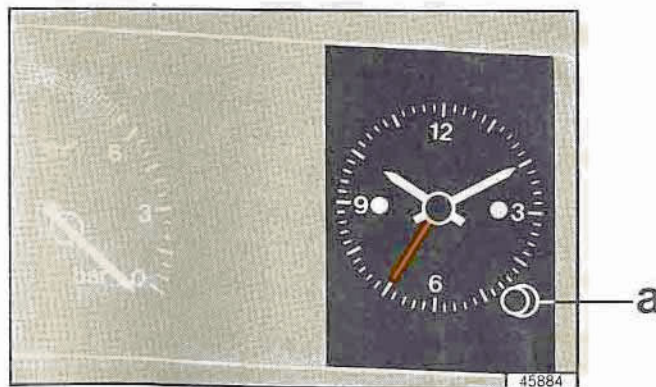
Excessively high or low oil pressures may limit engine operation to moderate speeds and loads. Take the car to a LANCIA Service Centre as soon as possible.

The opto-electronic analogue pressure gauge segments correspond to 0.5 bar.

Clock

To set the time on the analogue clock, turn knob "a"; press in when turning.

To set the digital clock on the opto-electronic instrument panel, press "h" or "m" corresponding respectively to



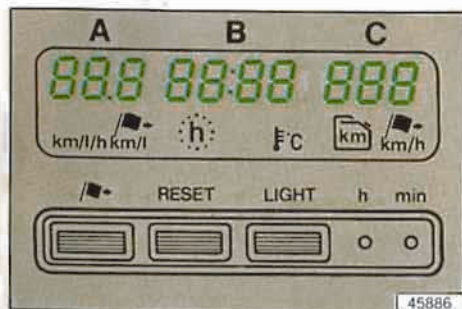
hours and minutes. The clock will advance one unit each time the button is pressed.

Hold the button down to advance the clock rapidly. Release the button when you have almost reached the correct time, then use the slow advance feature by pressing briefly and releasing the button. Use any pointed object to press the buttons.


INSTRUMENTS

Trip computer

This instrument supplies information related to speed, fuel consumption and range to help you achieve optimal performance.



A - B - C : Displays.


 : Button to display information at A - B - C, clock display when the panel is off, and a test of the segments of displays A - B - C.

RESET : Button to reset average values stored in memory.

LIGHT : Button to dim the trip computer panel light (maximum, off, and dimmed).

h - min : Buttons for setting the clock.

When the key is at STOP or PARK

The displays are off. The time can be displayed at position B by pressing button .

When the key is at MAR, before starting the engine

The following are displayed:

A : Symbol and fuel consumption value(km/l): kilometres per litre of fuel.

B : Symbol and outside temperature value (°C).

C : Symbol and speed (km/h).



The values displayed at A and C are averages, and regard previous vehicle use. They are calculated from the last time the instrument was reset until the engine was switched off. Press the RESET button to elaborate new, average values. If you do not reset the instrument, the old values will be averaged with those regarding current vehicle operation.

INSTRUMENTS

When the engine is running

As soon as the engine starts the following values are displayed:

- A : Symbol and fuel consumption (l/h): litres of fuel per hour.
- B : Time (hours and minutes).
- C : Range (km).




These values are displayed when the car is moving at speeds below 6 km/h.

When the car exceeds 6 km/h the information displayed at position A changes; The three values are as follows:

- A : Symbol and fuel consumption (km/l): kilometres per litre of fuel.
- B : Time (hours and minutes).
- C : Range (km).



When the engine is running press 

If you press it rapidly the following are displayed:

- A : Symbol and fuel consumption (km/l): kilometres per litre of fuel.
- B : Symbol and outside temperature (°C).
- C : Symbol and vehicle speed (km/h).



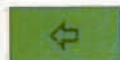
Displays A and C show average values related to the current trip. After about 15 seconds the displays resume showing instant values as well as the time.

Press the button for at least 5 seconds to check the display segments.

Clock

To set the clock use a pointed object (e.g., ball-point pen or pencil) in buttons "h" or "min".

INDICATOR AND WARNING LIGHTS



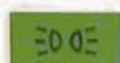
Left direction indicators



Right direction indicators



Hazard warning flasher



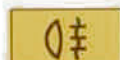
Side lights



High beam headlights



Front fog lights



Rear fog-guard lights



Oil pressure too low



Low brake fluid level or handbrake engaged



Front brake pad wear

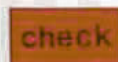


Lambda sensor malfunction (in some versions)



Condensate in diesel fuel filter

INDICATOR AND WARNING LIGHTS



Main malfunction warning light (Check panel monitoring system)



Defogging / defrosting of side door mirrors



Seat belts not buckled



Left front seat heater



Right front seat heater



Heated rear window



ABS system malfunction



Battery not being charged



Automatic transmission fluid temperature too high



SPI injection system failure (Petrol engines)



Turbocharger pressure too high



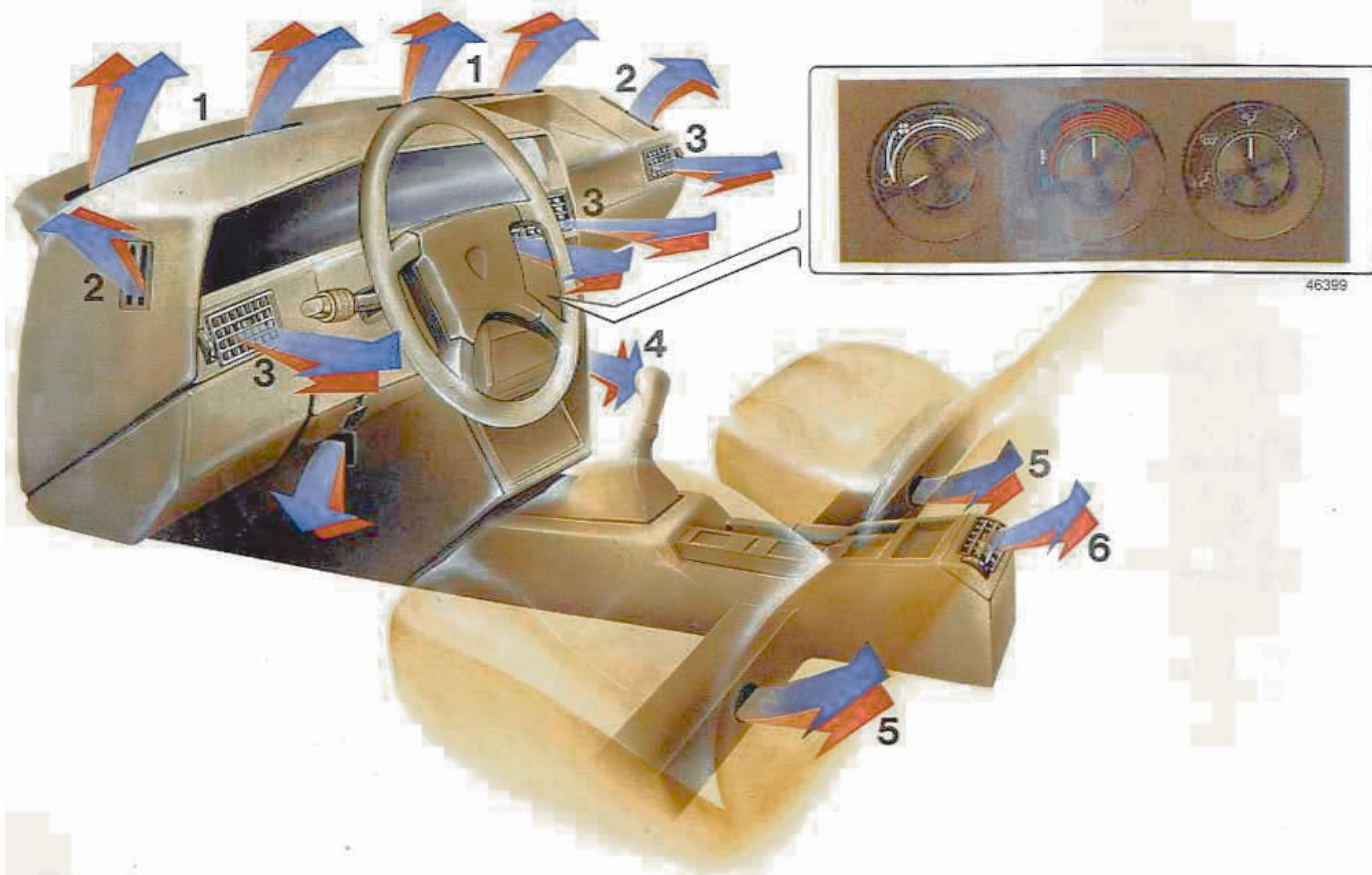
Turbo diesel engine heater plugs



Adjustable damping system (with malfunction warning) - Dedra 2.0 i.e.

HEATING AND VENTILATION

Manual system



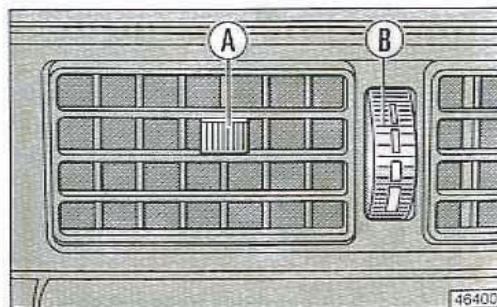
HEATING AND VENTILATION

Stationary air vents

- 1 - directed at the windscreen
- 2 - directed at the side windows
- 4 - front passenger footwells
- 5 - rear passenger floor vents

Adjustable vents

- 3 - for front seat passengers
- 6 - for back seat passengers

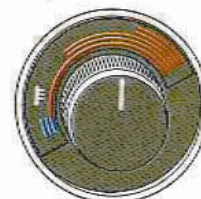


Use lever A to adjust the air flow horizontally. Turn the body of the vent for vertical adjustment.
Use thumbwheel B to regulate the air volume.

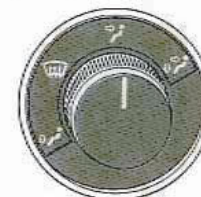
Controls



Air volume regulation knob. Up to the fan symbol outside air flow without the fan (only when the car is moving); turn the the knob past symbol to turn on the fan (4 speeds).

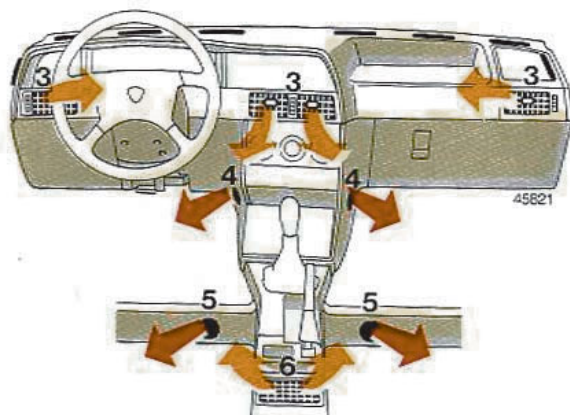


Air temperature adjustment knob.





Air distribution selection knob.

Heating




- Air temperature adjustment knob towards the red zone. The farther into the red zone you turn the knob the higher the temperature.
- Air volume regulation knob turned to the right. If the car is stationary or moving very slowly use the fan.
- Air distribution selection knob:

 heating when the outside temperature is very low;

 bilevel heating when the outside temperature is moderately cold.

“Bilevel” heating

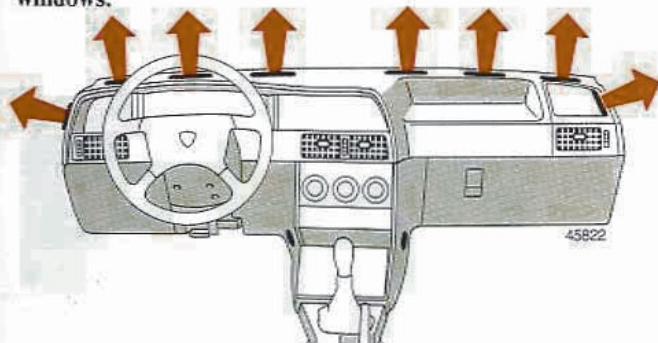
This feature is designed to give vehicle occupants maximum comfort. Turn the air distribution selection knob to .


The air flowing from adjustable vents 3 and 6 is considerable cooler than the air directed to floor vents 4 and 5. The warmer air tends to rise mixing with the cooler air from the fascia vents creating an ideal environment in the passenger compartment.

The difference in temperature between vents 4/5 and vents 3/6 is at a maximum when the temperature adjustment knob is at the centre. This difference decreases as the knob is turned in either direction.

HEATING AND VENTILATION

Defogging and/or defrosting the windscreen and front side windows.

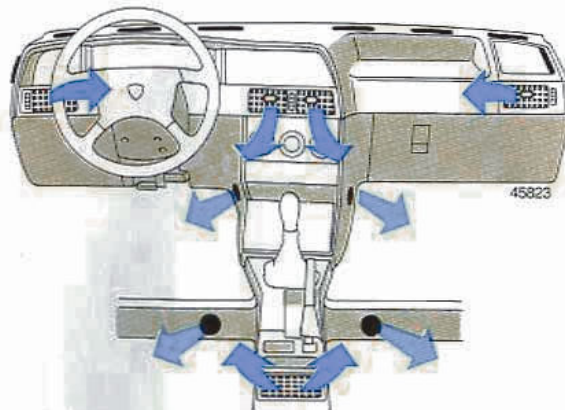



- Air temperature adjustment knob towards the red zone.
- Air volume regulation knob turned to fan speed 3 or 4.
- Air distribution selection knob turned to symbol .

Refer to p. 46 for information regarding defogging the rear window.


Ventilation

- Air temperature adjustment knob turned fully to the left (blue zone).



- Air volume regulation knob turned fully to the right. If the car is stationary or moving very slowly it is necessary to turn on the fan as well.
- Air volume regulation knob at .

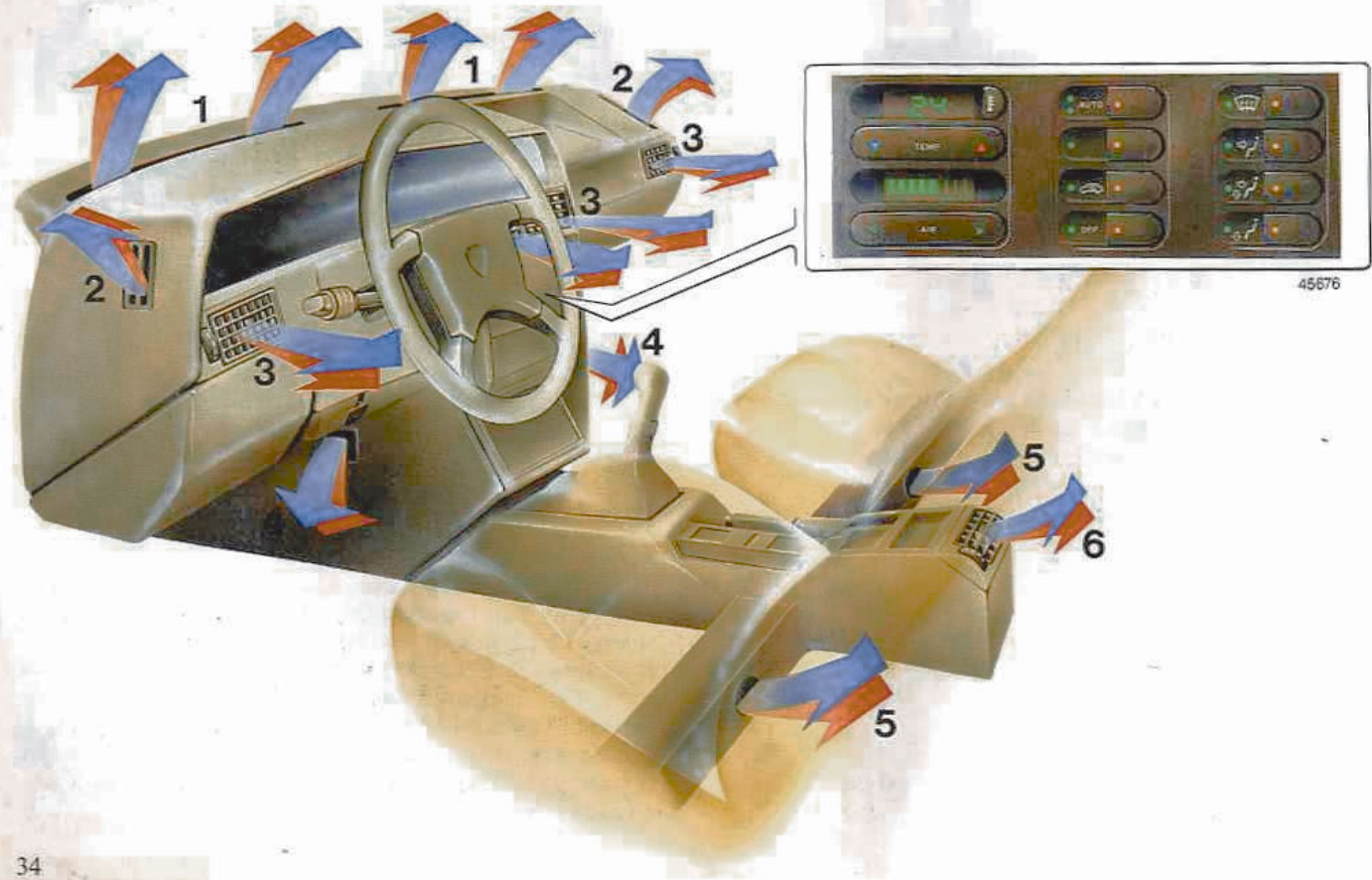
During spring or autumn you may wish to use the heater along with outside air ventilation.

If so, turn the air temperature selection knob slightly to the right. The air distribution selection knob should be positioned at .

These settings will create the “bilevel” effect: warm air to the floor vents and air at the outside temperature to the adjustable fascia vents.

HEATING AND VENTILATION

Automatic system



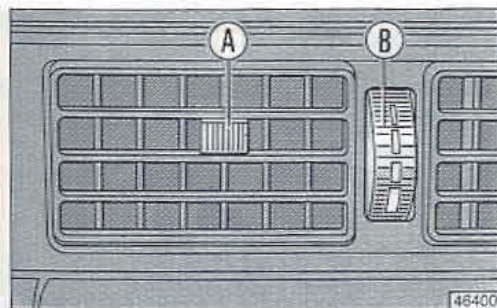
HEATING AND VENTILATION

Stationary air vents

- 1 - directed at the windscreen
- 2 - directed at the side windows
- 4 - front passenger footwells
- 5 - rear passenger floor vents

Adjustable vents

- 3 - front seat passengers
- 6 - back seat passengers



Use lever **A** to adjust the air flow horizontally. Turn the body of the vent for vertical adjustment.

Use thumbwheel **B** to regulate the air volume.

Setting the temperature

Button **TEMP** is used to select the temperature of the passenger compartment. The temperature displayed will in-

crease or decrease 1 degree ($^{\circ}\text{C}$ or $^{\circ}\text{F}$) each time the button is pressed.

If the temperature set exceeds 32°C (90°F) or is less than 18°C (64°F) the following messages appear on the display: **HI** or **LO**.



After setting the temperature the system is governed by an electronic control unit. The temperature desired is rapidly achieved.

If a manual setting is made, the temperature will still be controlled automatically, and so will all the other functions not manually adjusted.


If you request a temperature lower than the outside temperature (impossible condition) the value will flash for about ten seconds and then remain "steady on". Your request will be displayed until you decide to change it. The air temperature inside the car cannot be lower than that outside.

Button **D** is used to display the outside temperature. It appears accompanied by the abbreviation **EXT**. After about 10 seconds the display will again show the setting you previously made.

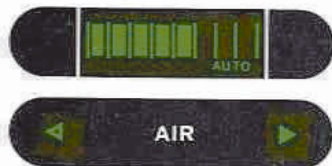
HEATING AND VENTILATION


For maximum comfort...

Air volume

Use button  to increase or decrease the air flow into the passenger compartment for heating or ventilation. Press the edges of the button.

The air volume is displayed by the number of illuminated bars.



The message **AUTO** appears if the air volume is selected by system's control unit. **MANUAL** appears when the air volume has been modified by pressing .

Air distribution



Air sent to stationary air vents for defogging/defrosting the windscreen and front side windows.



Air sent to the adjustable vents for summer ventilation.



Air sent to the adjustable and floor vents. The air sent to the adjustable fascia vents is considerably cooler than that delivered to the floor vents (bilevel ventilation).



Air sent to the floor vents only for heating when the outside temperature is extremely low.

Air distribution is indicated by the illumination of the LEDs next to the symbols.

Two selections cannot be made at the same time.

The button next to each symbol allows you to make manual selections different from those made by the system's control unit. If the button is pressed a second time control of air distribution is restored to the control unit.

HEATING AND VENTILATION

Air recirculation

No outside air enters the passenger compartment in order to reach the temperature set more rapidly.

This feature can only be selected manually by pressing the button next to the symbol; the LED will turn on to indicate recirculation has been selected.




Press the button a second time to enable outside air to circulate again in the passenger compartment.

Automatic operation


When both LEDs next to **AUTO** are lit the system is fully automatic. All functions for maintenance of the temperature set are governed by the system's electronic control unit.



One of the two LEDs turns off when a manual setting is made (e.g., pressing  to regulate the fan, pressing a distribution button, or selecting recirculation).

The button next to **AUTO** restores fully automatic operation overriding all of the manual selections made; both LEDs turn on after pressing this button.


Turning the system off

Press the **OFF** button; the LED next to it will turn on. The other system LEDs and the temperature display will turn off. The outside temperature can only be displayed by pressing .



The temperature set and all the other functions operative when the system is turned off are stored in system memory.

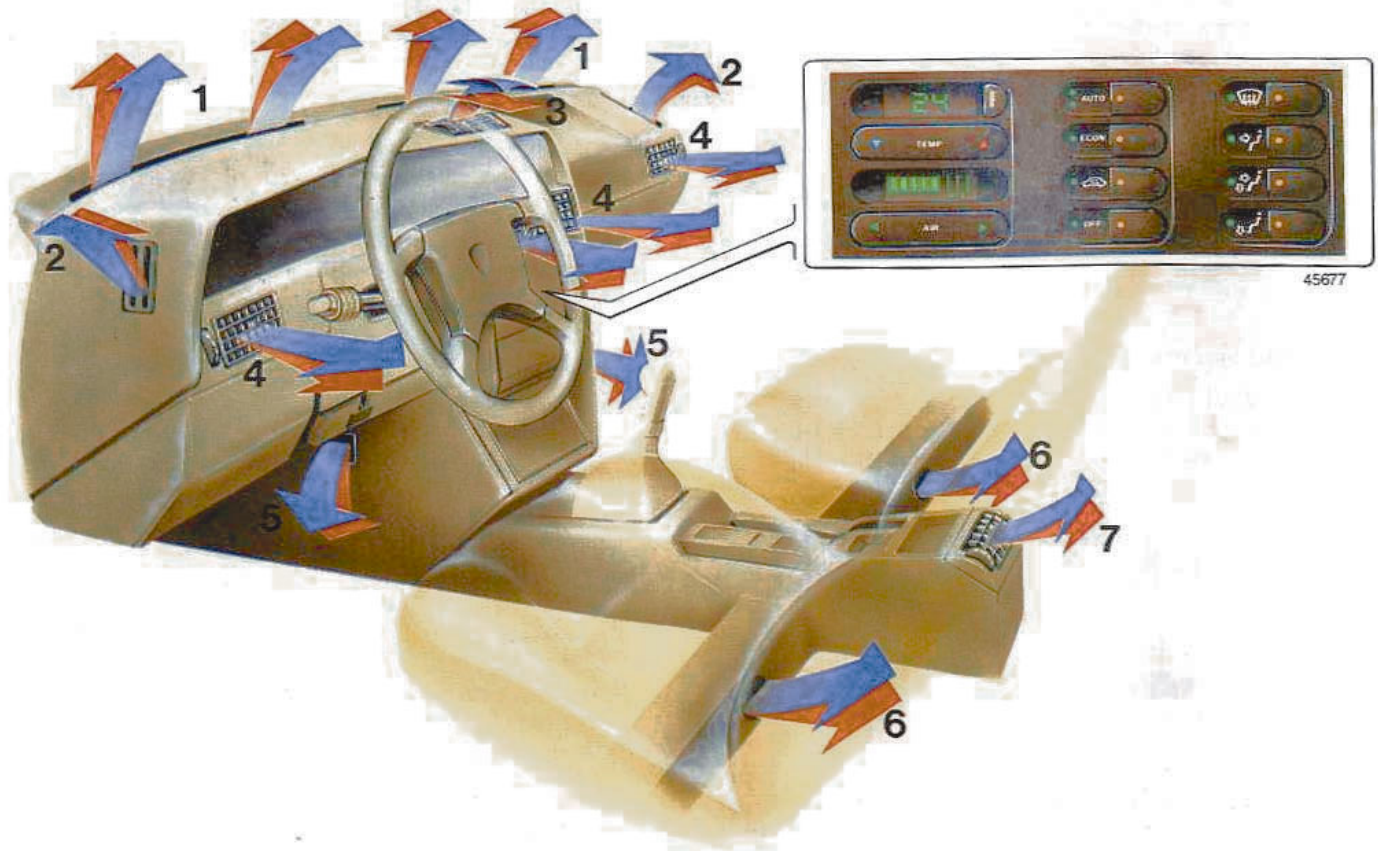
The system can be turned back on by:

- Pressing the **OFF** button a second time (all selections restored).
- Pressing the **AUTO** button; the system turns on, but all the manual selections made before turning it off are cancelled.
- Pressing any of the system buttons (except 

Notes

- When the ignition key is turned on the same settings made before switching off the engine are restored.
- If the battery is disconnected and then reconnected for any reason, when the engine is started again the temperature display will show 24°C (76°F) and system operation will be completely automatic.

AIR CONDITIONER



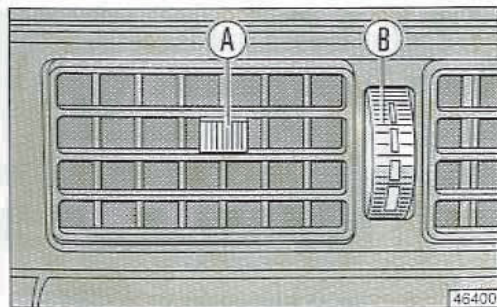
AIR CONDITIONER

Stationary air vents

- 1 - directed at the windscreen
- 2 - directed at the side windows
- 3 - directed at front seat occupants; the thumbwheel regulates the air flow which is also directed to vents 4 and 7
- 5 - front passenger footwells
- 6 - rear passenger floor vents

Adjustable vents

- 4 - for front seat passengers
- 7 - for back seat passengers



Use lever **A** to adjust the air flow horizontally. Turn the body of the vent for vertical adjustment.

Use thumbwheel **B** to regulate the air volume.

Setting the temperature

Button **TEMP** is used to select the temperature of the passenger compartment. The temperature displayed will in-

crease or decrease 1 degree ($^{\circ}\text{C}$ or $^{\circ}\text{F}$) each time the button is pressed.

If the temperature set is above 32°C (90°F) or below 18°C (64°F) the following messages appear on the display **HI** or **LO**.



After setting the temperature the system is governed by an electronic control unit which automatically makes all the settings necessary to achieve the temperature desired.

If a manual setting is made, the temperature will still be controlled automatically, and so will all the other functions not manually adjusted.


When **ECON** is selected if you request a temperature lower than the outside temperature the value will flash for about ten seconds and then remain "steady on". Your request will be displayed until you decide to change it or turn off **ECON**, unless there is a rapid drop in the outside temperature.

Button **F** is used to display the outside temperature. It is displayed accompanied by the abbreviation **EXT**. After about 10 seconds the passenger compartment setting previously made is restored.

AIR CONDITIONER


For maximum comfort...

Air volume

Use button  to increase or decrease the air flow to the passenger compartment to cool, heat or ventilate. Press the edges of the button.

The air volume is displayed by the number of illuminated bars.



The message **AUTO** appears under the bars if the air volume has been selected by the system's control unit. **MANUAL** appears when the air volume has been modified by pressing .

Air distribution



Air sent to stationary vents for defogging/defrosting the windscreen and front side windows.



Air sent to the adjustable fascia and centre vents for air conditioning and summer ventilation.



Air sent to the adjustable fascia and centre vents, as well as the floor vents.

Both cool and warm air can be sent to the vents at the same time. The air delivered to the face-level vents is considerably cooler than that sent to the floor vents (bilevel).



Air sent to the floor vents only for heating when the outside temperature is extremely low.

Air distribution is indicated by the illumination of the LEDs next to the symbols.

Two selections cannot be made at the same time.

The button next to each symbol allows you to make manual selections different from those made by the system's control unit. If the button is pressed a second time control of the air distribution is restored to the control unit.

AIR CONDITIONER

Air recirculation

No outside air enters the passenger compartment in order to reach the temperature set more rapidly.



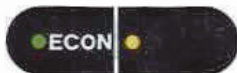
This feature can be selected automatically or manually. When on, the LED next to the symbol will illuminate.

If you have made the selection manually, press the button again to let outside air in.

If you press the recirculation button when already selected by the system's control unit, the LED will turn off indicating recirculation has been deactivated. When you press the button again automatic operation will be restored.

"ECON" operation

This feature can only be selected manually by pressing the button next to ECON.

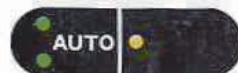



The LED will illuminate indicating the air conditioner compressor is off and recirculation now operates manually. The system can only provide heating or ventilation with outside air.

If you press the button a second time, the compressor will turn back on and the system will again be governed automatically.

Automatic operation

When both LEDs next to **AUTO** are lit the system is fully automatic. All functions for operation and maintenance of the temperature set are governed by the system's electronic control unit.




One of the two LEDs will turn off when a manual setting is made (e.g., pressing  to regulate the fan, pressing a distribution button, selecting recirculation, or "ECON").

The button next to **AUTO** restores fully automatic operation overriding all of the manual selections made; both LEDs turn on after pressing this button.

Turning the system off

Press the **OFF** button; the LED next to it will turn on. The other system LEDs and the temperature display will turn off.



The outside temperature can only be displayed by pressing .

AIR CONDITIONER

The temperature setting and all the other functions operative when the system is turned off are stored in system memory.

The system can be turned back on by:

- Pressing the **OFF** button a second time (all selections restored).
- Pressing the **AUTO** button; the system turns on, but all the manual selections made before turning it off are cancelled.
- Pressing any of the system buttons (except **P**); the initial settings are restored along with the manual selection you have just made.

Notes

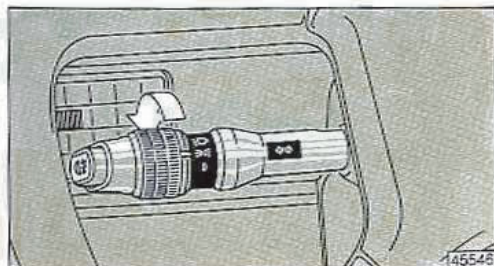
- When the ignition key is turned on the same settings made before switching off the engine are restored.
- If the battery is disconnected and then reconnected for any reason, when the engine is started again the temperature display will show 24°C (76°F) and system operation will be completely automatic, although the compressor will be off (ECON LED on).



CONTROLS

Exterior light, direction indicator and rear-fog guard light switch complex

The lights operate when the ignition key is at MAR.
If the key is turned to PARK, the side and taillights are on.

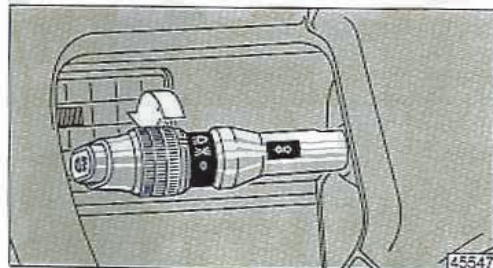
Side lights



Turn the knurled switch to symbol ; the instrument panel indicator  will also turn on.


When the side lights are on all the instrument panel symbols also illuminate.

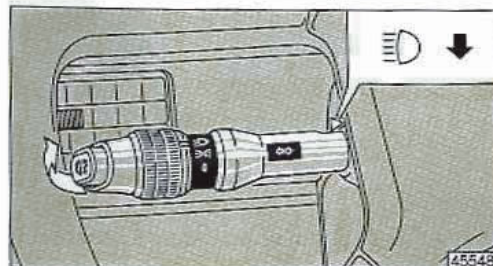
Low beam headlights




Turn the knurled switch to .

High beam headlights

When the low beam headlights are on (at symbol ), pull the stalk forward towards the steering wheel and release it.



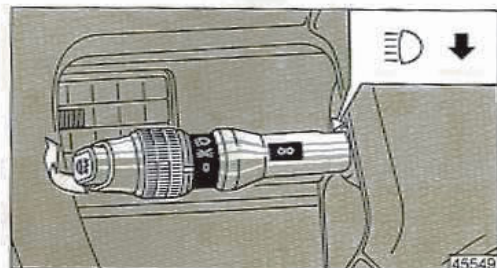
Pull and release the stalk again to turn the high beams off leaving the the low beams on.

When the high beam headlights are on the instrument panel indicator  also turns on.

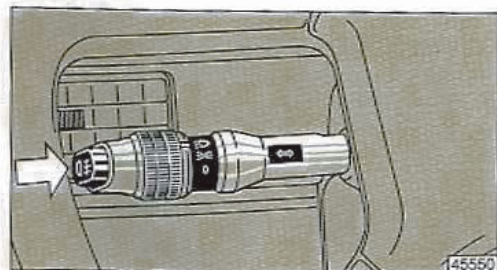
CONTROLS


Flashing the high beams


Pull the stalk towards the steering wheel to the first detent no matter what position the knurled switch is at.



Rear fog-guard lights





Press the button  at the tip of the stalk when the low or high beam headlights are on.

When the fog-guard lights are on the instrument panel indicator  also turns on.

Press the button again to turn the lights off.

Front fog lights

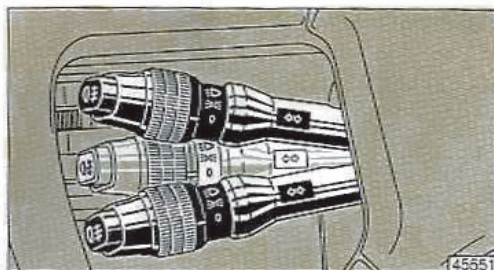
Press  located on the centre console to turn on the front fog lights (side lights must be on). The panel indicator  will illuminate when the fog lights are on.



Direction indicators

Move the stalk fully up or down:

Up: right direction indicator

Down: left direction indicator



When the direction indicators are flashing one of the instrument panel indicators ( or ) also blinks.

The stalk will return automatically to the centre position after completing the turn.

If you wish to indicate a lane change where only a slight movement of the steering wheel is necessary, the direction indicator stalk can be moved to the first detent (unstable position). When you release it the stalk will return to the centre position.

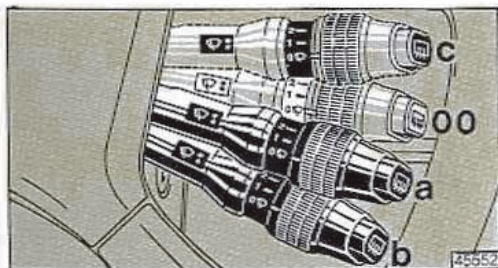
CONTROLS

Windscreen wiper/washer, rear screen heater, rear window wiper/washer and headlight wiper/washer (if fitted) switch complex

These devices operate when the ignition key is at MAR.

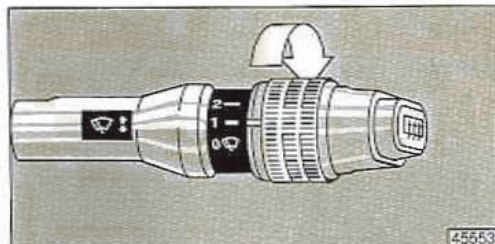
Windscreen wiper

- 00 - Wiper off (or intermittent operation).
a - Continuous low-speed operation.
b - Continuous high-speed operation.
c - Continuous high-speed operation (if held in this position).



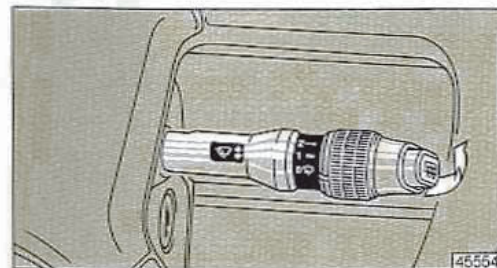
When in position c the windscreen wiper will only operate as long as you hold the stalk in that position.
If you only need to operate the wipers for a second, push the stalk up to position c and release it immediately.

For intermittent operation, turn the knurled switch when the stalk is in position 00 (horizontal):



- 0 - Windscreen wiper off.
1 - Slow intermittent operation.
2 - Fast intermittent operation.

Windscreen washer



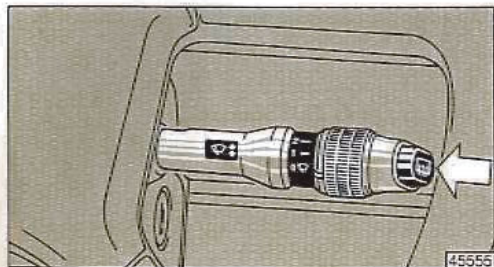
Pull the stalk towards the steering wheel to actuate the washer. The wiper will also turn on and then stop after a couple of seconds.

The washer stops operating when you release the stalk.
If the windscreen wiper is already operating, select continuous high speed no matter what position the stalk (00 - a - b - c) or knurled switch (0 - 1 - 2) are in.

CONTROLS

Rear screen heater

Press the button  at the tip of the stalk.



This button also actuates the door mirror heaters and wind-screen wiper liquid heater (if present).

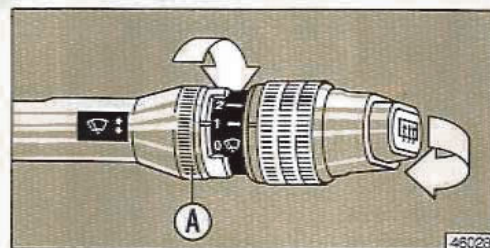
Press the button again to turn off all the above devices.

Headlight wiper/washers (not all versions)

When you pull the windscreen wiper towards the steering wheel (see p. 45) the headlight wiper/washers also turn on. They stop operating automatically after a couple of seconds.





Rear screen wiper/washer (if fitted)

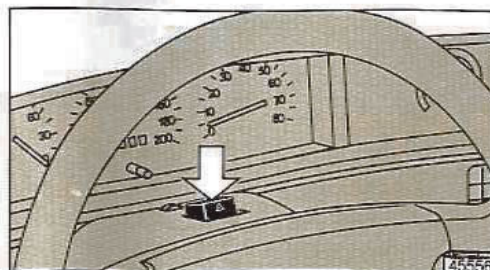
Turn knurled switch A from position 0 to position 1.



Push the stalk forward towards the dashboard to actuate the rear screen washer.

Hazard warning lights

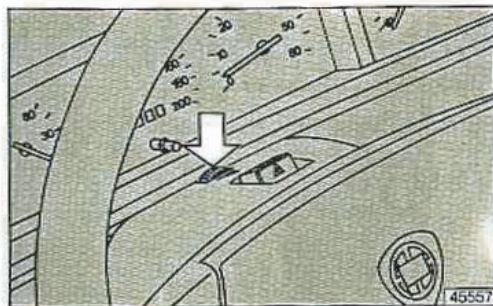
Press the button  no matter what position the ignition key is in. All the direction indicator lights and instrument panel indicators ,  and  will turn on.



Press again to turn the hazard warning lights off.

INDIVIDUAL SETTINGS

Instrument panel dimmer



- *Analogue panel:* the panel lighting turns on when the exterior lights are switched on. Dim the lights by turning the knurled wheel located in the steering column moulding.

If your car has a trip computer with a "LIGHT" button, use it to regulate the intensity of the panel. The button operates in a cyclical fashion: fully on - off - dimmed.

- *Opto-electronic panel:* see p. 15.

Steering wheel

The steering wheel rake can be adjusted when the column lever is in position 2.



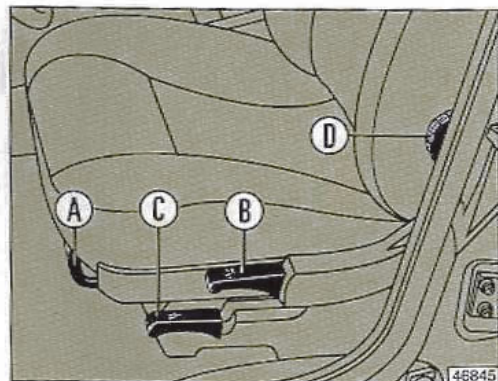
When you have set the wheel to the height which suits you best press the lever back to position 1.

Never attempt to adjust the steering wheel while driving.

INDIVIDUAL SETTINGS

Front seats

The seats can be moved forward or rearward by pulling up lever A and exerting body pressure in the direction desired. Ensure the seat is locked in position after releasing the lever.



Lift up lever B to adjust the seat backrest angle.

If you hold up lever B it is possible to fully recline the seat backrest.

The driver's seat is equipped with height and lumbar support adjustment.

Lift lever C to have the seat slide on inclined guides:

- move forward to raise the seat;
- move backwards to lower the seat.

After reaching the height which best suits you, lift lever A for fore-and-aft adjustment.

Use knob D to adjust the seat's lumbar support feature:


- turn forward to increase lumbar support;
- turn rearward to decrease lumbar support.


The knob should be adjusted correctly so your spine is given proper anatomic support.


INDIVIDUAL SETTINGS

If the seats are equipped with the power adjustment option, the key must be in the MAR position to regulate their position.

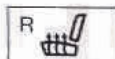
The symbol in front of each button indicates its function.

 Fore-and-aft adjustment button

 Height adjustment button

 Backrest angle adjustment button

The power seats are also equipped with a heating elements between the seat padding and upholstery. Manually adjustable seats may have, if requested, the seat heating option.



Seat heater instrument panel indicators.



Press this button to turn off the automatic seat heaters.

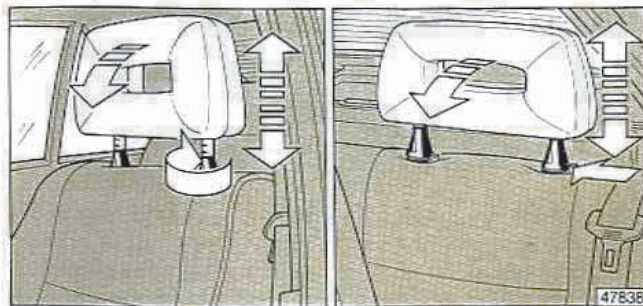
Headrests

Headrests are adjustable both in height and forward tilt. Their position is correct when they support the back of the head, not the neck.

They can be removed by pulling them off their sockets in the seat squabs:

Front: Pull the headrest to its maximum height; then rotate both support rods by half a turn (so that the notches on each support rod face each other) and pull off.

Rear: The back seat headrests can be removed by pulling them upwards and simultaneously pressing the buttons at the sides of the support rods.



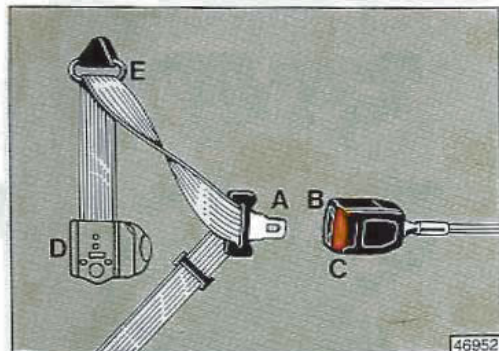
For safety reasons it is important that the headrests be re-fitted correctly. Their slightly curved shape is designed to support the head and must face forward. When properly fitted the headrests may only be tilted forward.

INDIVIDUAL SETTINGS

Seat Belts

Using the automatic seat belts (front seats and rear outer positions)

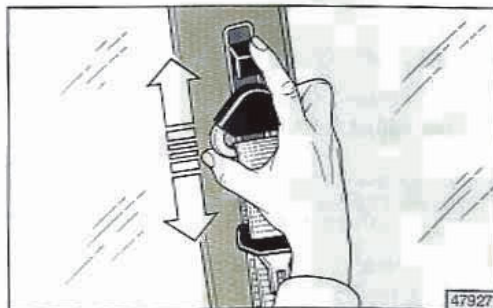
Insert tongue A into buckle B until you hear a distinct click. Press button C to release the belt.



These belts need no manual adjustment. The webbing unwinds automatically from retractor mechanism D located inside the door jamb panel and passes through loop E. The belts adjust to the occupants allowing them to move freely. However, any brusque movement will cause the belts to lock.

The belts also lock when accelerating or braking rapidly, driving on steep grades, and when cornering at high speeds.

The front seat belt loop height is adjustable to best suit the stature of the driver and front seat occupant.



To adjust the loop height grab the locking mechanism with one hand so that you may press the unlocking lever with a finger of the same hand. Move it up or down; it must lock into one of the four positions. Check the loop is properly locked by pushing it up or down. If not previously locked, it will lock after travelling upwards or downwards a short distance.

Using the seat belts with the locking mechanism not properly locked may create safety problems.

A panel indicator will flash for about 30 seconds if the front seat belts have not been buckled.

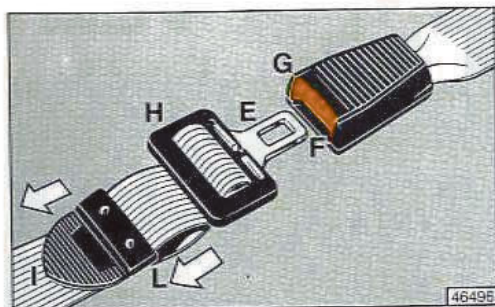
INDIVIDUAL SETTINGS

Using the lap belt (centre rear position)

The passenger should sit in a normal position against the seat backrest.

To fasten the belt insert tongue E into buckle F until a click is heard.

Press button G to release the belt.

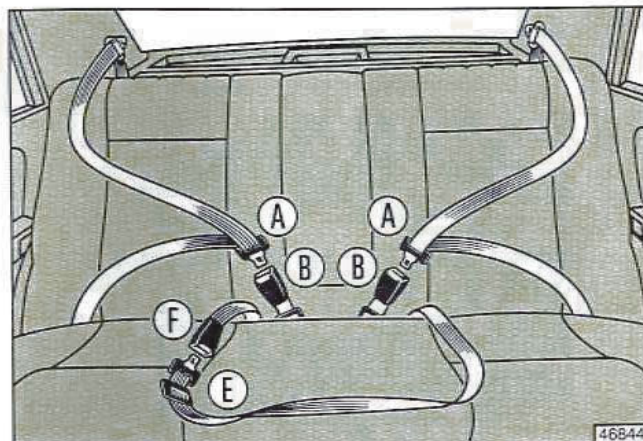


To adjust the belt pull the webbing through H. Pull edge I to tighten or L to loosen the belt.

The belt is properly adjusted when a closed fist can be placed between the wearer and the webbing.

Rear seat belt use

Use the belts as shown in the figure.



To ensure the correct buckle is used, tongue A will not lock if you try to use it with buckle F, nor will you be able to insert tongue E into buckle B.

When the back seats are not occupied, place the belts and buckles in the housings provided in the seat backrests.

INDIVIDUAL SETTINGS

Information regarding seat belts and child restraints

All vehicle occupants are required to respect the Motor Vehicle Code regulations regarding seat belt use in the country where the car is driven.

Although it may not be required by law, it is highly recommended that all occupants exempted from using seat belts sit on the back seat or use child restraint systems.

All minors whose physical features (age, height, weight) are below the required limits set in the country where the car is driven must be protected by approved *universal* restraints (carriers, child seats, booster cushions) that comply with ECE/UN regulation 44.

Local legislation should be respected in those countries which have not adopted regulation 44.

The use of *semi-universal* or *specific* restraint systems requiring supplementary anchorage points is only permitted if the manufacturer's approval is given. The vehicle registration form must be updated by the appropriate government agency after testing the supplementary anchorage points.

Carefully follow the manufacturer's installation and use instructions supplied with the restraints.

Never carry a child on your lap with the belt around the child.

Avoid wearing the belt when twisted. The belt should be worn across the hips and not the abdomen to prevent the driver or passenger from sliding forward.

Occasionally check that the mounting bolts are tight and that the belt webbing is not cut or fraying.

After a severe collision it is recommended that the seat belts be replaced even if there is no apparent damage.

To clean the belts, wash with warm soapy water, rinse and then let them dry out of direct sunlight.

Do not use strong detergents, bleach, dyes or any other chemical which might damage the belt webbing.

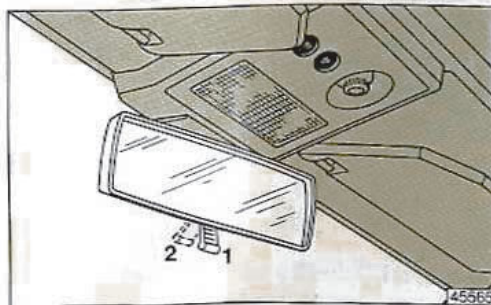
Rearview Mirrors

After adjusting the seat position and steering wheel, adjust the mirrors.

Interior rearview mirror

The rearview mirror is adjustable, and has an anti-glare position that can be selected using the tab.

- 1 - Normal position.
- 2 - Anti-glare position.

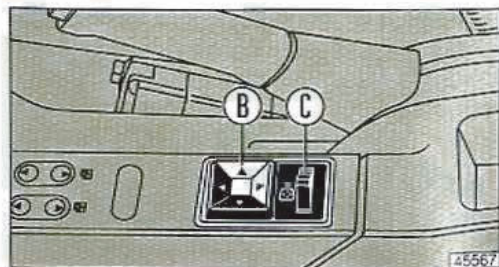
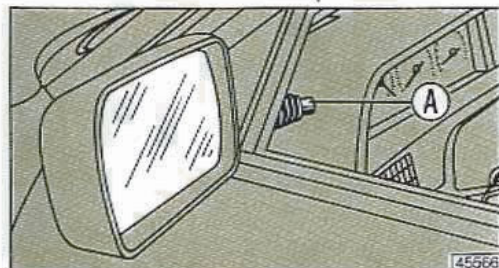


INDIVIDUAL SETTINGS

The mirror can be adjusted in either position. A safety device ensures the mirror will release if an impact occurs. Press forcefully at the base to replace it.

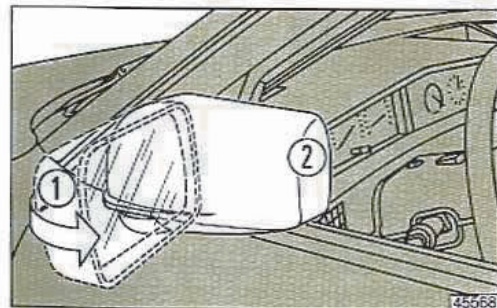
Door mirrors

The mirror may have manual or power adjustment. Manual adjustment: Use lever A.



Power adjustment: Press one of the edges of button B. Switch C selects the mirror to be adjusted. Moving it to the left will allow you to adjust the left mirror, or to the right for the right mirror.

Adjust the mirrors (manual or power) only when they are in position 1.



The mirrors can be folded flush against the car for driving in narrow roads, car washes, etc. (position 2).

An optional power mirror folding feature is available. If fitted, the switch is located in front of the adjustment controls.

The power mirrors also have defogging heating elements which operate whenever you turn the rear screen heater on.

ADJUSTABLE DAMPING SYSTEM

Versions equipped with this system have automatic damper control. If desired, you may select a harder ride for "sportier" driving.



Press this button for automatic control of the damper system. When in this mode the system selects the setting best suited for comfort and safety at all speeds, independent of driving conditions.

The green AUTO light will illuminate when automatic control has been selected.



Press this button for a harder ride useful in sportier driving at all speeds.

The orange SPORT light will illuminate when this feature has been selected.

Important

If a system malfunction occurs, the harder setting is automatically selected (as if the SPORT button were pressed) and the red warning light turns on.



System operation

An electronic control unit receives information from sensors regarding vertical acceleration, steering angle, speed of steering input, braking force and vehicle speed. These signals are elaborated and sent to the solenoids on the dampers.

See p. 156 of the Appendix for a schematic of the system.