

CITROËN  AD

SAFARI AND  
MODIFIED VERSIONS



## LIST OF SUBJECTS

### DRIVING

Opening and locking	
Doors, boot, bonnet, windows	2
Driving position	
Controls and accessories	4
Instruments on panel	6
Driving position	
Seats	8
Seat belts, rear-view mirrors	10
Starting	
Anti-theft device, ignition, starter, choke	12
Driving	
Gears, ground clearance	14
Brakes	14 b
Signals and visibility	
Lamps, signals, windscreen wipers	16
Air-conditioning	
Ventilation, heating demisting	18
Accessories	
Ashtrays, sun visors, interior lighting	20

### MAINTENANCE

Water, oil and L.H.M. fluid levels	22
Mechanical and electrical	24
Bodywork	26
Interior	28

### MINOR REPAIRS

Malfunction signalled by a dashboard warning lamp	6
Wheel replacement	30
Bulb replacement	32-35
Headlamp adjustment	36
Fuse replacement	37
Battery replacement	38
Spark plug replacement	38
Replacement of L.H.M. fluid in an emergency	39
Starting using starting handle	39
Towing the car	40

### TECHNICAL SPECIFICATIONS

General	42
Engine	44
Transmission	46
Hydraulic system	47
Suspension	48
Braking	50
Steering and wheels	52
Electrical system	54
Bodywork and interior fittings	56

### MISCELLANEOUS INFORMATION

Running-in, servicing, guarantee	58
Driving and running costs	58
Towing a trailer	59
Vehicle identification	59
Replacement parts	59
Travelling abroad	60

**NOTE:** positions are described as right-hand (R.H.) or left-hand (L.H.), as seen by a person standing behind the car and looking forward towards the bonnet.

—Descriptions of the various items fitted to the car, cover standard fittings and optional extras. The inclusion of a description does not therefore imply that the item described is fitted to all models.



**Bonnet** (Figs 3 and 4)

To open : Pull the two rings, situated on the L.H. and R.H. sides respectively of the interior, under the dashboard. The bonnet will open slightly. Slide your right hand under the bonnet, and raise the safety catch. To keep the bonnet open, use the support rod provided for this purpose.

To close: Release the support rod and lower the bonnet, keeping hold of it. Then let it fall freely for the last few inches.

**Fuel filler :**

This is situated under a cover, on the R.H. rear wing of the car. Raise the cover to gain access to the filler cap.

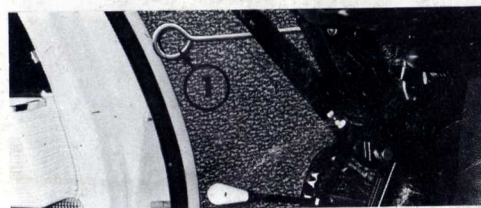


Fig. 3 - Opening the bonnet (L.H.D.)  
1 - Unlocking ring

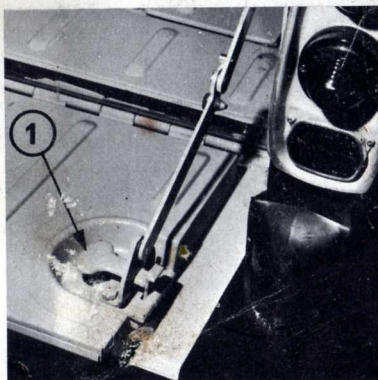


Fig. 4a - Opening the lower part of the rear door  
1 - Side levers

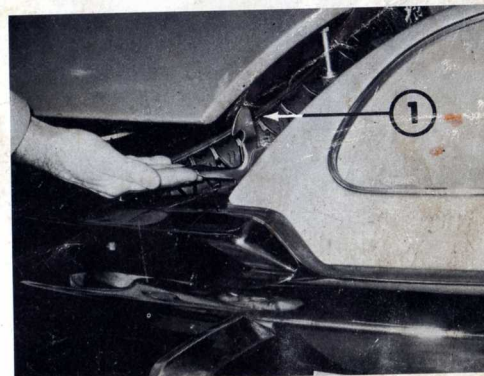


Fig. 4 - Opening the bonnet  
1 - Safety catch

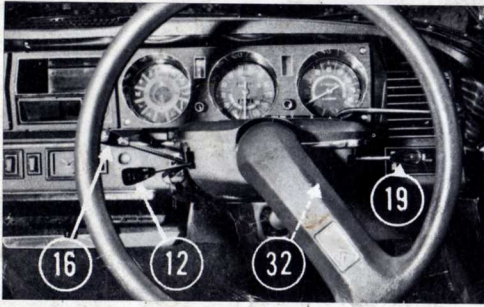


Fig. 5 - Driving position (R.H.D.)  
(on hydraulic gear-change  
version).

	See page
1 Defroster aperture/front L.H. window demister .....	18
2 L.H. ventilator .....	18
3 Gear selector (on hydraulic gear-change version) .....	14
Gear lever (on manual gear-change version) .....	
4 Ashtray .....	20
5 Stowage space or radio set (if fitted) .....	20
6 Rear-view mirror .....	10
7 Loud-speaker (if fitted) .....	20
8 Cigarette lighter .....	20
9 Glove compartment .....	2
10 R.H. ventilator .....	18
11 Defroster aperture/front R.H. window demister .....	18
12 Switch for direction indicators, headlamp flashers and horn .....	16
13 Control for ventilation of upper L.H. interior .....	16
14 Control for ventilation of lower L.H. interior .....	16
15 Control for directing air to the upper L.H. interior .....	16
16 Windscreen wipers and washer switch .....	16
17 Anti-theft/ignition control (on hydraulic gear-change version) or anti-theft/ignition/starter control (on manual gear-change version) .....	12
18 Switch for dashboard lighting rheostat .....	6
19 Switch for headlamps, side and tail-lamps .....	17
20 Choke control .....	13
21 Interior lighting switch .....	20
22 Air blower switch .....	19
23 Control for air distribution between upper and lower areas .....	18
24 Air temperature adjustment control .....	19
25 Air output adjustment control .....	19
26 Rear-window heater switch (if fitted) .....	19
27 Switch for rear heating unit (for certain foreign countries) .....	
28 Control for ventilation of lower R.H. interior .....	18
29 Control for directing air to the upper R.H. interior .....	18
30 Control for ventilation of upper R.H. interior .....	18
31 Fresh air blower switch (if fitted) .....	18
32 Auxiliary clutch control (on hydraulic gearchange version) .....	12



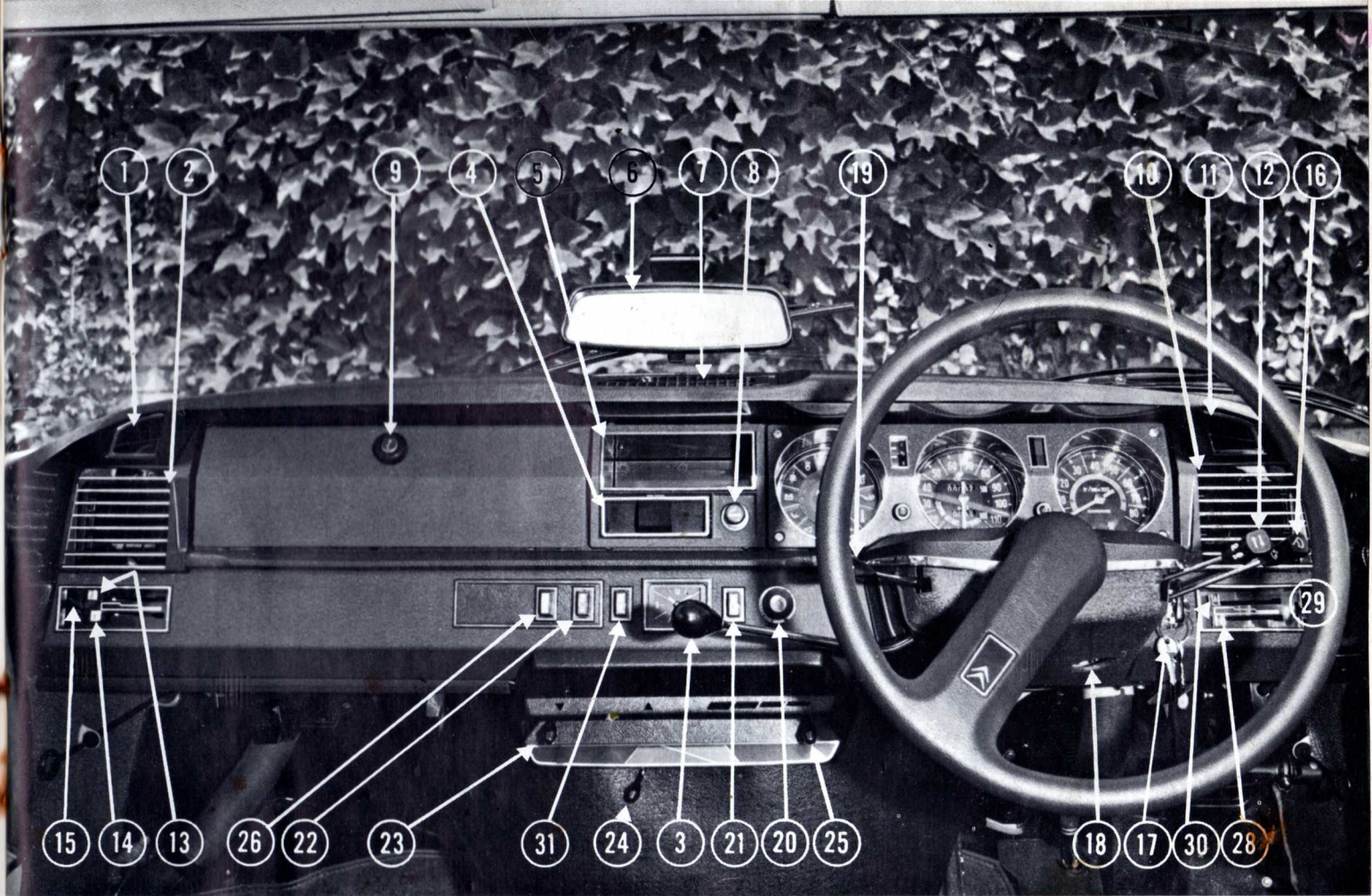


Fig. 6. - (R.H.D.)







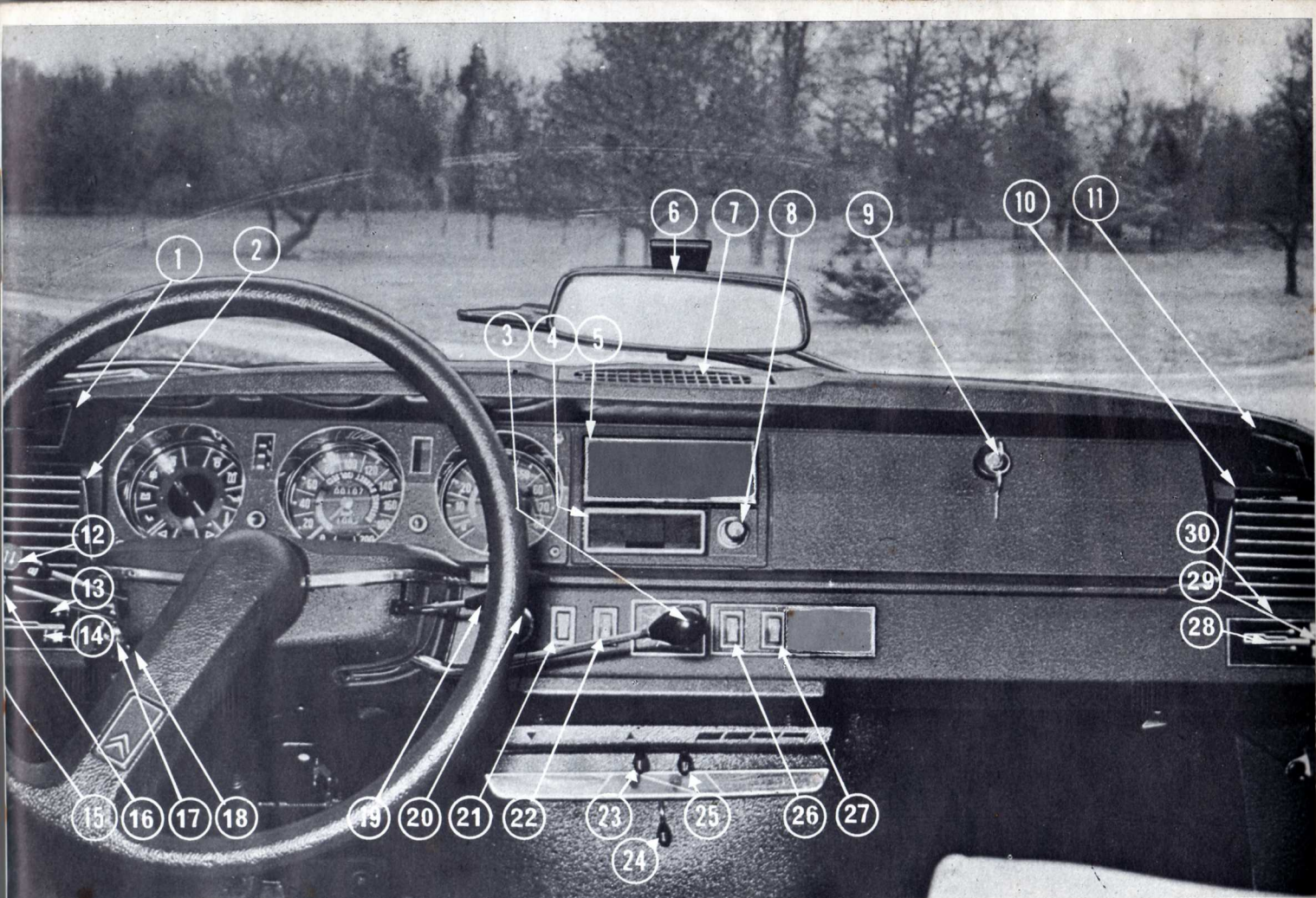


Fig. 6 - (L.H.D.)



- With the exception of the clock, the instruments function only when the ignition is on.
- The illumination of the dashboard instruments is controlled by the exterior lighting switch. It can be adjusted, as far as being completely extinguished by means of a button situated under the steering column, on the L.H. side or R.H. side (position 18 fig. 6).

#### 1 Fuel gauge

Tank capacity: 65 l (14 imp. galls).

#### 2 Check button for the red signals.

When depressed, the red signals, 8, 9, 10 and 17 should light up. This makes it possible to check, at any time, the working of these particularly important warning lamps. If they fail to light up, they should be overhauled without delay.

#### 3 Speedometer.

With :

- Total mileage indicator.
- Trip mileage indicator (to return to zero, push and turn the button—to the right of the speedometer — anticlockwise).
- Stopping distances (see page 15).

#### 4 Water thermometer.

(For certain foreign countries and for "Ambulance").

#### 5 Electronic tachometer.

The needle must not enter the red zone. Do not exceed 4000 r.p.m. during the first 600 miles (1 000 km).

#### 6 Electric clock.

(If fitted).

Push and turn the button to reset the time.

#### 7 Blue warning lamp for headlamp main beam.

#### 8 Red warning lamp for hydraulic pressure.

This can light up when the ignition is switched on and may remain lighted during the first few turns of the engine. Wait for it to go out before starting to move off. If it lights up during a journey, stop immediately, then drive slowly to the nearest Citroën Dealer using the parking brake.

#### 9 Red warning lamp for engine oil pressure.

This will light up when the ignition is switched on and should go out as soon as the engine turns. If it lights up during a journey, stop the engine and check the oil level (see page 22). If it remains lighted despite the correct oil level, stop again and contact a Citroën Dealer.

#### 10 Red warning lamp for water temperature.

If it lights up, stop the engine immediately, check the water level taking the

necessary precautions (see page 22) and top up if necessary. If it remains lighted despite the correct level, make your way slowly to a Citroën Dealer.

#### 11 Green warning lamps for direction indicators.

If they do not function, check the corresponding indicators (see page 35).

#### 13 Yellow warning lamp for front brake pad wear.

If this lights up when the pedal is depressed, the pads should be replaced as soon as possible (see page 15).

#### 14 Yellow warning lamp for battery charge.

This will light up when the ignition is switched on and should go out as soon as the engine turns. If it lights up during a journey, contact the nearest Citroën Dealer having, however, checked the alternator and regulator connections. If the difficulty arises at night, avoid using the directional headlamps in order to conserve the current.

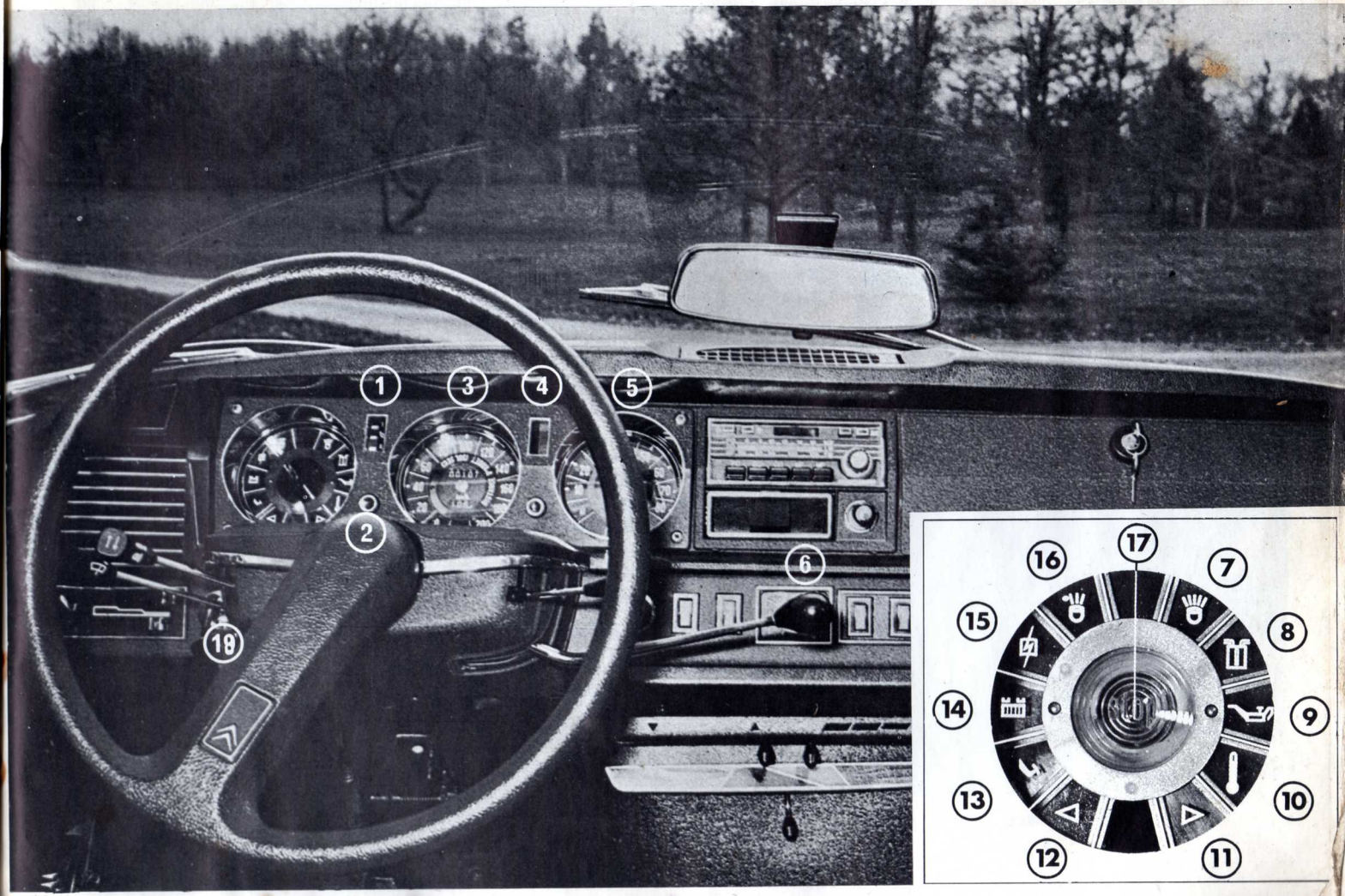
#### 15 Yellow warning lamp for rear-window heater (if fitted).

#### 16 Green warning lamp for sidelamps.

#### 17 Red warning lamp indicating urgent need to stop.

Lights up with warning lamps 8,9 or 10.







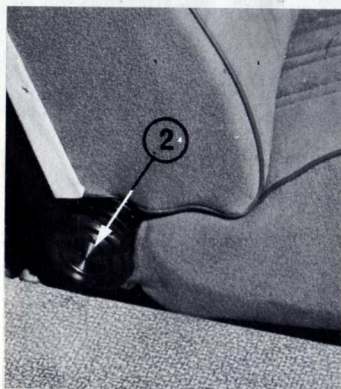
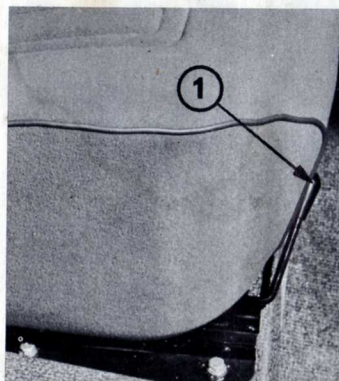


Fig. 8 - Seat adjustments  
1 - Fore-and-aft-adjustments  
2 - Backrest inclination

### Front seats

Fore-and-aft adjustment (Fig. 8 - Mark 1):

The locking lever of the seat is situated at the front on the R.H. side. Move it vertically to adjust the seat. Release it to lock the seat in the desired position.

Backrest inclination (Fig. 8 - Mark 2):

The grooved control knob is situated on the outside of the seat, at the base of the backrest. Turn it to incline the backrest or to set it upright again.

Reclined position: First put the seat in the foremost position, then incline the backrest as far as it will go.

Height and angle adjuster (if fitted):

When moved horizontally, the lever, situated at the front of the seat (middle part), makes it possible to adjust the front of the seat to any of three possible height positions.

When moved horizontally, the lever, situated at the rear of the seat, makes it possible to adjust the rear of the seat to any of three possible height positions.

Front height adjustment may be carried out whilst sitting in the seat.

Headrest adjustment (if fitted):

The push buttons and the swivel facility of the rest, make it possible to adjust it to any of four different positions.

**Rear seats** (on "Safari" and "Commercial Estate") (Figs 9 and 10).

This bench seat may be swung down to form part of the floor, by rocking it : move the front seats forward, fold the seat of the rear bench forward, by raising it, using the handles (Mark 1) at each side. Disengage the two catches (Mark 2), then tilt the backrest forward, pressing it down in order to lock it.

To raise the seat again, proceed in the reverse order, after having freed the backrest by pressing the securing spring (Mark 3).

**Rear bench-seat** (on "Ambulance").

This bench is in two parts : that on the left is folded down, when the vehicle is used with a stretcher; the one on the right may also be folded down. To do this; proceed as follows :

Slide the front seats forward as far as possible. Raise the stay, attached to the inside of the L.H. seat.

Hinge the seat forward, followed by the backrest, having released the securing spring.

To lower the R.H. part, proceed in the same way, after having removed the stay, by unscrewing the two bolts.

The seats are raised again in the reverse order, by first of all, releasing the securing springs.

**Flap seats** (on "Safari").

Two flap seats, fitted offset, are embedded in the floor. To use them, raise the hinged metal flap with the hole and secure it with the strap provided.

Then raise the seats, complete with backrest.



Fig. 9 - Collapsible rear benchseat  
1 - Handles.

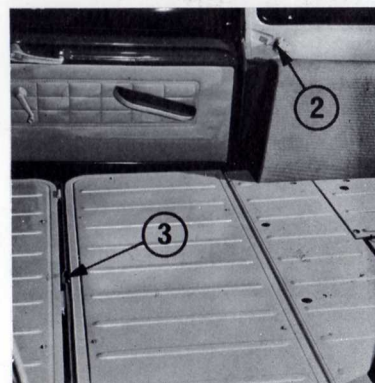


Fig. 10 - Collapsible rear benchseat  
2 - Catches  
3 - Securing spring





Fig. 11 - Seat belt  
1 - Opening

#### Seat belts (French market)

Our tests and world-wide statistics have proved the efficiency of the seat belts. The Société Citroën advises you to use them, while making sure that they are correctly adjusted.

To secure: Insert the end of the lever buckle into the flexible buckle of the same colour.

To release: Raise lever 1 (see Figure 10).

To adjust: The belt buckle must be level with the hips, at the side, and the strap should cross the chest. Alter the length of the short part (towards the centre of the car), by sliding the strap into the adjustment buckle; the belt should be adjusted so that it is not too tight on the body.

These belts are not designed for children under six years of age and any belt should only be used by one person at any given time.

The straps should not be twisted while in use. They should not be rubbed against the edges, since this may result in wear or breakage.

When a seat belt is not in use, hook the lever end, inserting it into the buckle situated under the upper anchorage point; to release it, move the opening lever.

If the belts have undergone any strain due to impact, replace them and have the anchorages checked.

For markets outside France, consult your Dealer who will advise you on legal requirements and fittings.

### Rear-view mirrors

#### interior:

The lever, situated under the base of the rear-view mirror, enables it to be put into the "day" position: draw the lever towards the driver, or the "night" position: push the lever towards the windscreen.

#### exterior: (see Fig. 22):

The stability of the mirrors and the lower part of the arm are adjustable by operating the screws provided for this purpose (Fig. 9 - Marks 1 and 2).

### Driving position

Adjust the fore—and aft—position of the seat as well as its height and angle to suit the controls, then adjust the back-rest angle according to the driving style.

Adjust the rear-view mirrors to suit the driving position adopted.

Then fasten the seat belt and adjust its length if necessary.

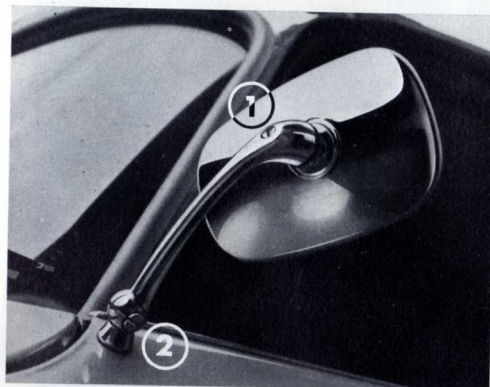


Fig. 12 - - Outside rear-view mirror  
1-2 - Adjusting screws



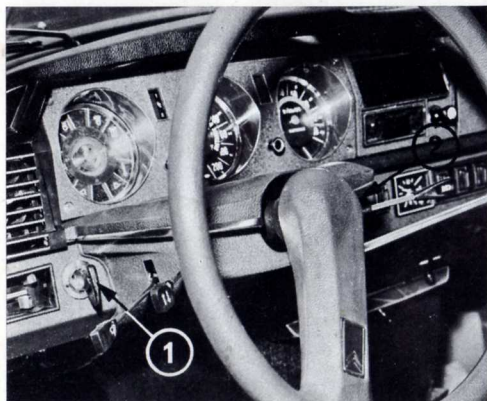


Fig. 13 - Starting (on manual gear-change version )  
1 - Anti-theft device  
2 - Choke control

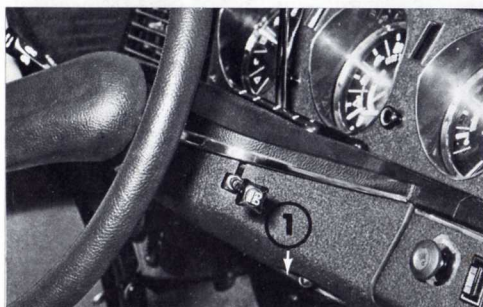


Fig. 13a - Starting with starting handle  
(on hydraulic gear-change version)  
1 - Auxiliary clutch lever

#### Anti-theft device (Figs 13 and 13b)

This is situated in the lower part of the dashboard to the left of the steering column (or on the R.H. side on manual gear-change R.H.D. version). The successive positions of the key, turning clockwise, are as follows:

- 1 - Anti-theft (steering locked).
- 2 - Garage (steering free).
- 3 - Ignition on.
- 4 - Starter (only on manual gear-change version).

On hydraulic gear-change models, the starter is activated by the gear selector. Push it fully home, from neutral towards the left.

On the manual gear-change version:

- Release the key as soon as the engine has started.
- If the engine stops, or will not start at the first attempt, the ignition must be switched off before it is possible to operate the starter again (this is due to a safety device which prevents the starter motor from operating when the engine is running).

It may be necessary, in order to pass from the "anti-theft" position to the "garage" position, to slightly rock the steering wheel, while turning the key.

To withdraw the key, pull lightly when near the chosen position ("anti-theft" or "garage").

**Never withdraw the key until the car has completely stopped.**

#### Air filter intake control (if fitted)

This is situated on the L.H. side of the air filter and comprises two markings "summer" and "winter". See instructions for use on the opposite page (starting).

#### Choke control

Use only when the engine is cold.

See instructions for use on the opposite page (starting).

#### Auxiliary clutch control (on hydraulic gear-change version) (Fig. 13a)

This control is designed to make it possible, during very cold weather or if the battery is low, to use the starting handle in order to start the engine or simply to free it (see page 39).

Having put on the parking brake and put the gear selector in neutral, press forward the lever of the auxiliary clutch control, then lock it by pushing it upwards. As soon as the engine starts, return the lever to its original position.

If the engine has only been freed by the starting handle, return the lever to its original position before operating the starter motor.

**Before starting:**

Glance quickly at the list of checks found on the back of this manual, to avoid any oversights.

At the beginning of the cold season, place the air filter intake control (if fitted) in the "winter" position; likewise, at the beginning of the warm season, place it in the "summer" position.

**Starting** (do not run the engine in an enclosed space).

Do not touch the accelerator pedal.

Ensure that the gear lever is in neutral and that the parking brake is on.

Turn the key until the warning lamps for charging and engine oil pressure are illuminated. The ignition is on. The hydraulic pressure warning lamp may also light up.

If the engine is cold:

Pull the choke out fully. Operate the starter without touching the accelerator.

If the engine does not start the first time, switch off the ignition, and wait three or four seconds before trying again.

If the engine is warm or hot:

Depress the accelerator and operate the starter, without touching the choke control.

If the engine does not start first time, switch off the ignition, and wait three or four seconds before trying again, without taking your foot off the accelerator.

**Before engaging first gear:**

Push the choke back in so that the engine does not run in excess of between 900 and 1000 r.p.m.

Do not race the engine.

Allow the engine to run for a short time for the car to reach its normal running height.

The warning lamps for charging and engine oil pressure should have gone out.

If the hydraulic fluid pressure warning lamp is on, wait for it to go out.

**After starting** (engine cold):

Push the choke control fully home, as soon as the engine accelerates normally.



Fig. 13 b - Anti-theft device  
1 - Anti-theft position  
2 - Garage position  
3 - Ignition  
4 - Starter



**Gear selection (Figs. 14, 14a and 15, according to model)**

The gear positions are marked at the base of the selector on hydraulic gear-change version and on a diagram on the dashboard on manual gear-change version.

To engage reverse gear, wait until the vehicle is completely stationary.

On the hydraulic gear-change version, do not forget to put the selector in neutral when parking.

Fig. 14 - L.H.D.  
5-speed diagram on  
manual gear-change  
version  
AR - Reverse gear

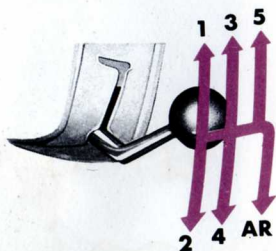


Fig. 14 a - L.H.D.  
4-speed diagram on  
manual gear-change  
version  
AR - Reverse gear

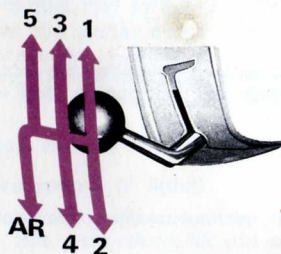
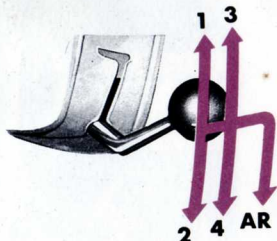


Fig. 14 - R.H.D.  
5-speed diagram on  
manual gear-change  
version  
AR - Reverse gear

Fig. 15  
4-speed diagram on  
hydraulic gear-change  
version  
AR - Reverse gear  
D - Starting

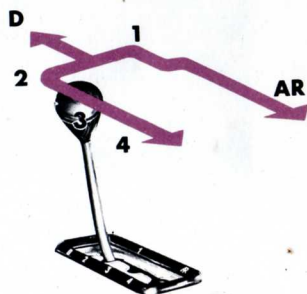
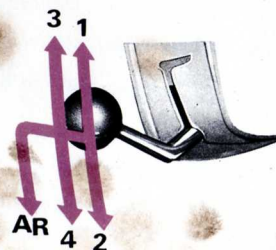


Fig. 14 a - R.H.D.  
4-speed diagram on  
manual gear-change  
version  
AR - Reverse gear



**Adjustment of ground clearance (Fig. 16)**

The control, situated to the left of the parking brake pedal bracket (or on the R.H. side of the drivers seat, on R.H.D. vehicles), gives 5 different car height settings.

The normal position, which assures greatest comfort, is obtained by selecting the second slot from the bottom.

The following two slots above are to be used on certain difficult roads.

The lowest slot gives the minimum height and the highest slot gives the maximum height.

These two positions, which are provided for wheel changing (see page 30) should not be used for normal running.

Exceptionally, however, it is possible to use the maximum height position with care and for a short distance, over particularly difficult surfaces.

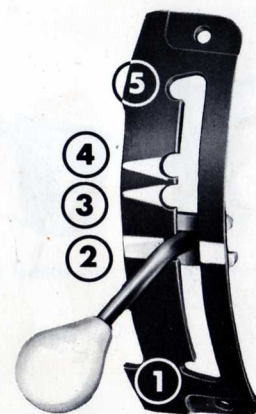


Fig. 16 - Ground clearance adjustment  
1 - Minimum height  
2 - Normal running height  
3-4 - Special heights  
5 - Maximum height



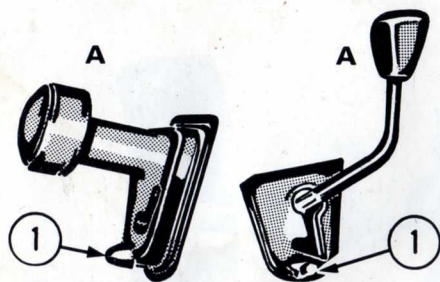


Fig. 17 - Parking brake locking control (if fitted)  
A - Locking lever  
1 - Safety lock

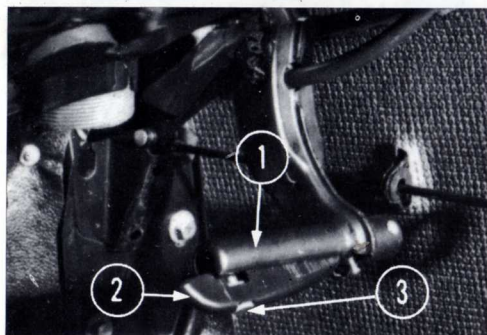


Fig. 18 - Parking brake lever (if fitted)  
1 - Movable grip  
2 - Catch handle  
3 - Safety lock

### Emergency and parking brake

Footbrake (Fig. 17) (according to model).

To lock the brake, put the locking lever (mark A) in the top position, then press the brake pedal (while all the other controls are extremely sensitive, the parking brake, however, requires to be strongly pressed).

To release, put the locking lever in the bottom position: the brake pedal will be freed automatically.

When running, the lever must always be in the bottom position.

A safety lock (mark 1), when it is pushed to the left, locks the locking lever in the upper position.

Handbrake (Fig. 18) (according to model).

To lock the brake, pull the movable grip (mark 1) until it catches automatically, staying in the locked position (while all the other controls are extremely sensitive, the parking brake, however, requires to be strongly pulled).

To release, pull the grip to release the catch: press the end of the lever (mark 2) with the thumb to slip the catch and push the grip right down, towards the front.

When running, the grip must always be in the bottom position.

A safety lock may lock the catch handle: to do this, turn the milled screw through 90° (mark 3).

**Starting on a hill on manual gear-change version**

Declutch and engage first gear (or reverse gear).

Accelerate the engine slightly and begin to let in the clutch.

As soon as the vehicle begins to move, release the parking brake.

**Main brake.**

The main brake travel is very limited and the effort needed to operate it is very small, even for a sudden stop. It is a good idea, before taking your car onto the road for the first time, to practice operating the brake, so as to get the feel of its sensitivity and power.

Two warning lamps in the central warning cluster check the main brake :

The red warning lamp for hydraulic pressure is a signal requiring immediate stopping of the car then proceeding with care to a Citroën Dealer, using the parking brake.

The yellow warning lamp for front brake pads, which lights up when the brake is used, indicates that the brake pads need renewing. After changing the brake pads, the linings must be run in: immediate intensive use could lead to irregularities in braking.

**Stopping distances**

The exceptional comfort and road-holding qualities of the car allow the employment of full engine power and require particularly efficient brakes. However, whatever the system of braking, it remains essential to remember that at any moment, stopping distances increase considerably with the speed. For this reason we have inserted some of these on the speedometer. These are always based on the supposition that the tyres are in good condition, the car is not overloaded and of average road-adhesion as well as normal reflexes on the part of the driver.

These distances may be very much greater in other conditions, notably on wet or greasy ground.



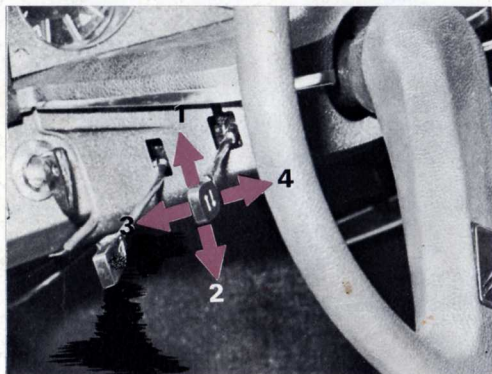


Fig. 19 - Signal switches  
(Hydraulic gear-change and  
LHD manual gear-change )  
1 - R.H. indicators flasher  
2 - L.H. indicators flasher  
3 - Headlamp flasher  
4 - Horns

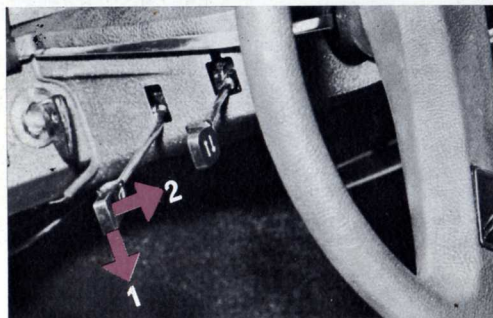


Fig. 20 - (Hydraulic gear-change and  
LHD manual gear-change )  
1 - Windscreen wipers  
2 - Windscreen washer

#### Control for direction indicators and horns (Fig. 19)

##### Direction indicators

Right-hand flasher and left-hand flasher: move the lever in the direction in which you are going to move the steering wheel. To cancel the signal, return the lever to the midway position.

The corresponding green warning lamp should flash in the warning cluster accompanied by an audible signal. If it does not work, check the direction indicators (see page 35).

##### Headlamp flasher

To flash headlamps: push the lever away from the steering wheel. The headlamps will remain on as long as the lever is pushed.

This control works when the lever is in any of the direction indicator positions.

##### Horns

Moving the lever towards the driver operates the first horn, by pulling further, the loud horn.

It is possible to operate the horns when the lever is in any of the direction indicator positions.

#### Switch for windscreen wipers and washer (Fig. 20)

##### Windscreen wipers

To operate: move the lever downwards: in the first position one obtains normal wiper speed, then, pushing further, an increased speed for exceptional use only, as in heavy rain or road spray from vehicles being overtaken.

To stop : push the lever upwards and the wipers will park automatically.

##### Windscreen washer:

Move the lever towards the steering wheel.

From time to time, clean the wiper blades (see page 26).

**Headlamp control (Fig. 21)**

- Off : the lights are off when the side of the knob, marked with a point, is in front of the driver.
- Side and tail : with the lever towards the steering wheel, turn the button one notch (a green warning lamp will light up in the warning cluster).
- Main beam : still with the lever towards the steering wheel, turn the button to the second notch (a blue lamp will light up).
- Dipped : From the "Main beam" or "Side and tail" position, pivot the lever away from the steering wheel.
- Directional lights: with the lever in the "Main beam" position, press the centre of the button: press again to extinguish.

Fig. 21 - Headlamp control  
(Hydraulic gear-change and  
L.H.D. manual gear-change)  
1 - "Side and Tail" or "Main beam"  
positions  
2 - Dipped positions  
3 - Directional headlamps

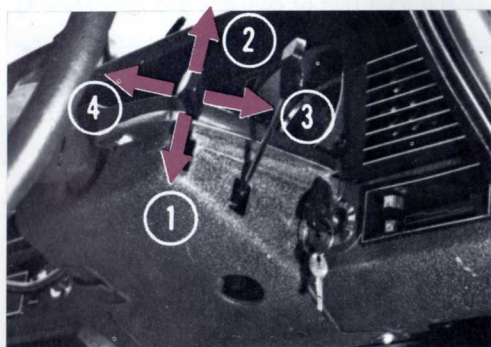
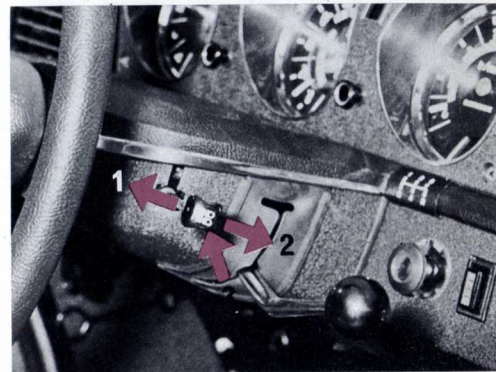


Fig. 19 - R.H.D. Manual gear-change; signalling  
1 - R.H. direction indicator  
2 - L.H. direction indicator  
3 - Headlamp flasher  
4 - Horns

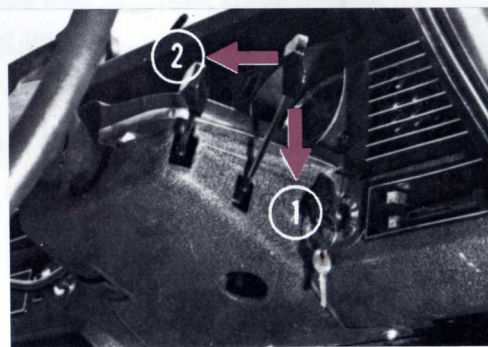


Fig. 20 - R.H.D. Manual gear-change  
1 - Windscreen-wipers  
2 - Windscreen washer

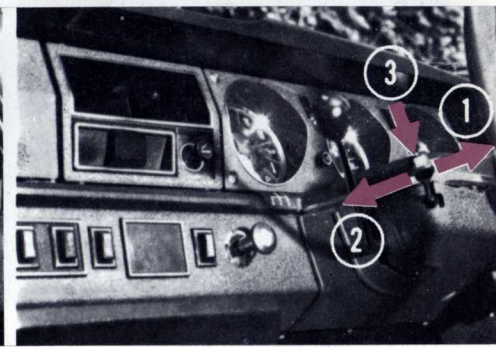


Fig. 21 - R.H.D. Manual gear-change, headlamp control  
1 - 'Side and tail' or 'Main beam' positions  
2 - Dipped position  
3 - Directional headlamps



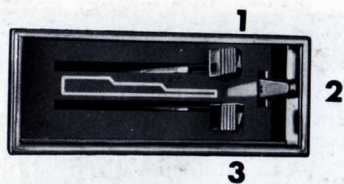


Fig. 22 - Side ventilators control  
 1 - Ventilation of upper interior  
 2 - Direction of ventilation of upper interior  
 3 - Ventilation of lower interior

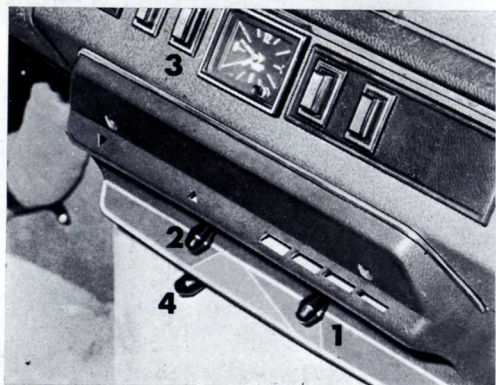


Fig. 23 - Air conditioning controls (L.H.D.)  
 1 - Air flow  
 2 - Air distribution between windscreen and floor  
 3 - Forced air control  
 4 - Temperature adjustment

### Side ventilators (cold air only) (see Fig. 22)

#### High level ventilation

To operate : move the upper lever (mark 1) to the left, more or less according to the required output.

To stop : push home to the right.

To orientate: raise or lower the outer lever (mark 2) to direct the air upwards or to the front passenger's face.

#### Low level ventilation

To operate : move the lower lever (mark 3) to the left, more or less according to the required output.

To stop : push home to the right.

### Air ducts for the windscreen, front windows and floor (hot or cold air) (Fig. 23 - Mark 1)

To operate : move the lever to the left, more or less according to the required output.

To stop : push home to the right.

### Air distribution between upper and lower areas (hot or cold air) (Fig. 23 - Mark 2)

Fully to the left : air is directed towards the floor.

Fully to the right : air is directed towards the windscreen and front windows.

Intermediate positions: air is divided between the upper and lower areas.

**Adjustment of air temperature (Fig. 23 - Mark 4)**

To operate : move the lever towards the left, selecting the desired temperature.

To stop : push home to the right.

**Air blower (Fig. 23)**

To operate : press the switch.

To stop : press again.

The air blower (Mark 3) makes it possible, when stationary or travelling slowly, to obtain fresh air from the L.H. side ventilator and fresh or warm air from the air ducts for the windscreen, front windows and floor.

The blower (Mark 5) (if fitted) makes it possible, in the same conditions, to obtain fresh air from the R.H. side ventilator and from the R.H. side floor outlet.

Avoid using the blowers when travelling behind a vehicle emitting strong exhaust fumes.

**Electric heating for rear-window (if fitted) (Fig. 24)**

To operate : press the switch. The corresponding yellow warning lamp lights up on the dashboard.

To stop : press again.

The heating for the rear-window works only when the ignition is on.

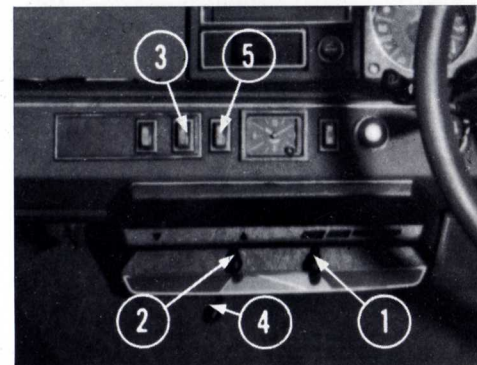


Fig. 23 - Air-conditioning controls (R.H.D.)

- 1 - Air flow
- 2 - Air distribution between windscreen and floor
- 3 - Forced air control
- 4 - Temperature adjustment
- 5 - Fresh air blower control (if fitted)

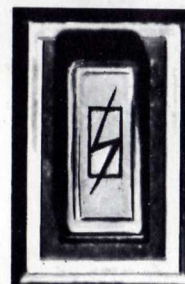


Fig. 24 - Electric heating for rear-window



**Ashtrays**

To remove them, pull out as far as possible and press the spring strip.

The front ashtray is illuminated when the headlamps are being used

The intensity of the light can be regulated by using the lighting rheostat switch which is located on the dashboard (see page 6).

**Cigarette lighter**

Press in and wait until it returns to its original position before removing. It is illuminated when the headlamps are on.

**Sun visors**

These are adjustable and may be turned to the side.

The sun visor for the passenger is fitted with a mirror.

**Radio set (if fitted)**

The location for the radio set is provided on the engine recess. A control for sound mixing between front and rear, provided on the dashboard (at the side of the loud-speaker), makes for listening under the best acoustic conditions.

**Illumination of ignition key housing**

This housing is lit up when the headlamps are being used. The intensity of the light can be regulated by using the lighting rheostat switch which is located on the dashboard (see page 6).

**Illumination of glove compartment**

This lights up automatically when the lid is opened.

**Illumination of heating control**

This lights up when the headlamps are being used.

**Interior lamps**

These light up automatically when the front doors are opened. They also come on when the switch is pressed (Fig. 25).

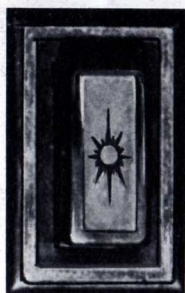


Fig. 25 - Interior lighting switch

rip.

stat switch which

It is illuminated

control for sound  
side of the loud-

ensity of the light  
on the dashboard

ey also come on

Water, oil, L.H.M. fluid  
Mechanical and electric  
Bodywork .....  
Interior .....

This chapter deals with the small points which are essential to ensure the good condition of your car : checking levels, on the tyres, washing the bodywork...

Other maintenance operations, such as greasing, oil changes, adjustments... which the Citroën network will competently c through its special Service-Stations, form the subject of the "Maintenance Guide", which has been supplied with this ma



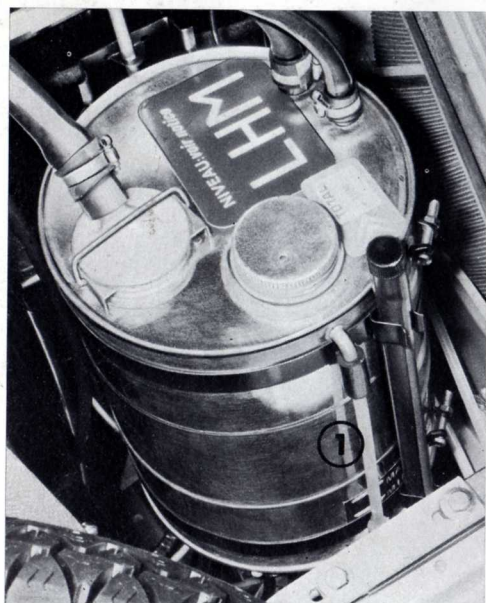
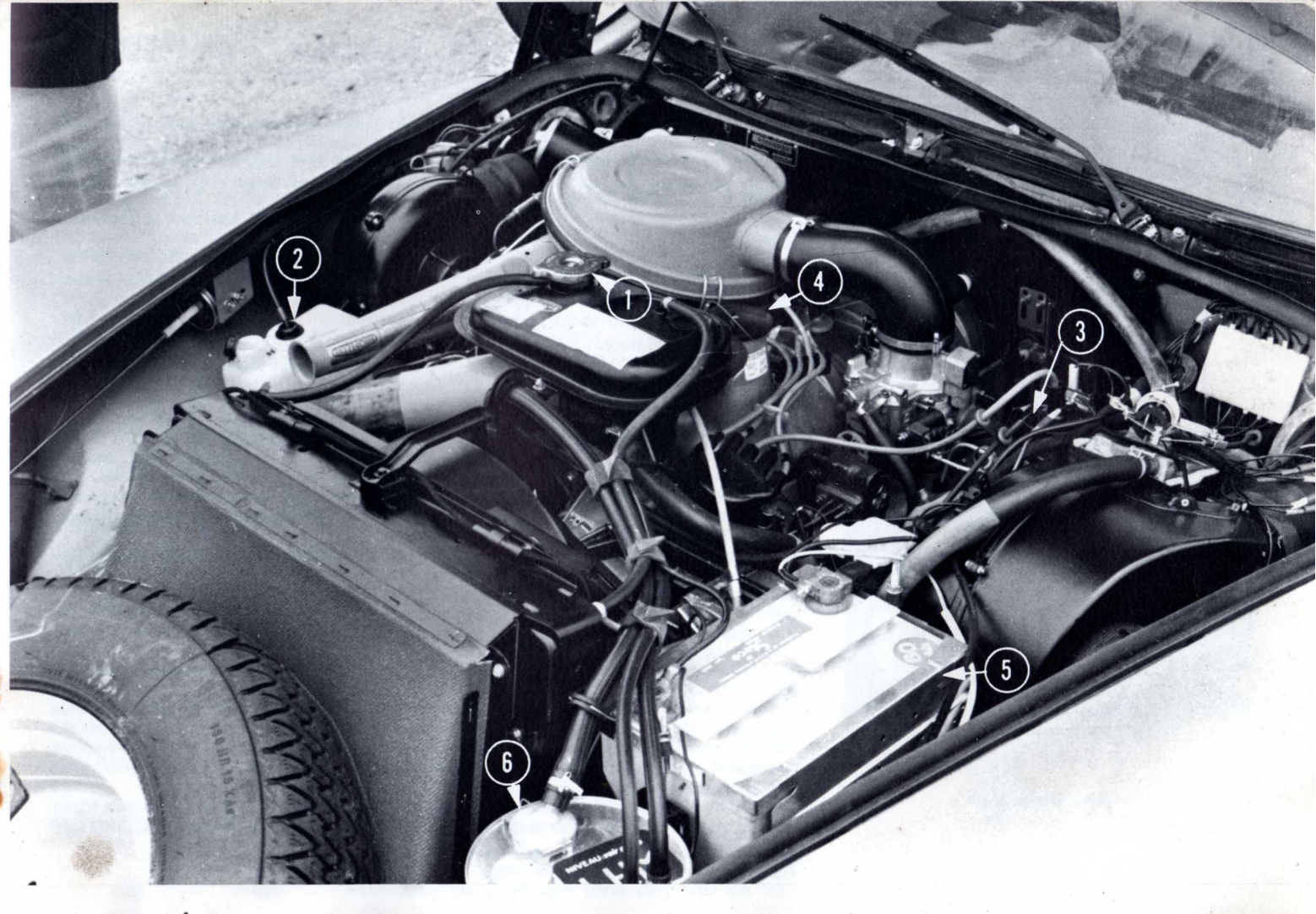


Fig. 26 - Hydraulic reservoir  
1 - Level checking sight-tube

1. **Radiator filler cap** (header tank on "Safari 23" model).  
Turn the cap as far as the safety notch, then apply pressure to continue.  
If the engine is hot, stop at the notch and let the steam escape before continuing turning.  
The level should be 2 - 3 cm (4/5" - 1 1/5") from the lower flange of the filler opening.  
Do not top up the radiator of a warm engine with more than 1/2 l (7/8 imp. pints) of cold water. Wait for it to cool down before continuing.
2. **Windscreen washer**  
Fill up with clean water to which may be added a tablet of "Stop Clair" or a similar product during any season, or "Stop Gel" or a similar product during winter.
3. **Dipstick**  
The level, which should be between the two ends of the cut-out, should be checked between oil changes, particularly before any long journey.  
The check should be carried out with the car horizontal and the engine should have been stopped for at least 10 minutes.  
To complete, fill up without the level being higher than the top end of the dipstick cut-out. The length of the cut out is the equivalent of 1 l (1 3/4 pints).
4. **Engine oil filler pipe**  
In winter, as in summer, use "TOTAL Altigrade GT Special Autoroute 20 W 40" or "GTS 20 W 50" oil or equivalent oils of other reputable makes. In very cold countries (ie. where the temperature is frequently lower than -10° C (14° F) use "TOTAL Altigrade GT Special Autoroute 10 W 30" or "GTS 10 W 30" oil, or equivalent oils of other reputable makes. Never use additives.
5. **Battery**  
Check the level from time to time, especially in summer.  
It should be between 1 and 2 cm (2/5" and 4/5") above the plates in each of the six cells. Top up with distilled water. Never add acid.  
Never bring any flame near the battery during a check.
6. **Hydraulic reservoir.**  
The level, which can be seen through the sight tube (see Figure 26) must be between the "Min." and "Max." marks. The check should be carried out with the vehicle in the maximum height position (see page 14a).  
**Important: To top up, use exclusively green "LHM" fluid.**  
**All other fluids, particularly those of vegetable or synthetic origin, which would rapidly destroy the hydraulic installation, are not to be used.**  
**We recommend to you green "LHM" fluid distributed by TOTAL.**  
In an emergency, or if it is not possible to obtain green "LHM" fluid, see page 39.

Fig. 27







**Wear indicators**

They are located at regular intervals in the tread and show up as continuous bands across the tread, when the rubber reaches a certain degree of wear (see Fig. 29). The tyre concerned should then be replaced as soon as possible.

**Snow tyres**

The tyres "180-15 XH" and "180-15 X (M+S)" may be fitted with spikes, but it is then necessary to increase the pressures by 0.2 bar (3 P.S.I.).

The use of tyres with spikes is subject to specific conditions. Contact your Citroën Dealer, who will give you all the relevant information.

**Battery maintenance**

Check the terminals and leads for cleanliness. If they are sulphated, unscrew them, clean them and soak the felt insulating washers in castor oil or in neutral vaseline oil. If the car is not in use, recharge the battery every month.

In winter, a correct charge prevents freezing: a battery normally charged (a density of 1.25 to 1.27) resists to  $-50^{\circ}\text{C}$ . ( $-58^{\circ}\text{F}$ .), whilst a discharged battery (density 1.07-1.09) may burst at  $-5^{\circ}\text{C}$ . ( $23^{\circ}\text{F}$ .).

Do not disconnect the leads from the battery terminals when the engine is running. Never recharge the battery without having disconnected the leads from the two terminals.

**Radiator maintenance**

The cooling water contains, when it leaves the factory, a dose of anti-freeze sufficient to protect the radiator and the cylinder block down to the temperature indicated on the label, stuck to the radiator.

The capacity of the radiator being : 13 litres (21 imp. pints) on "Safari 23" and 10.6 litres (19 imp. pints) on "Safari 20", the proportions which protect the engine to  $-15^{\circ}\text{C}$ . ( $5^{\circ}\text{F}$ .), are respectively, 6 litres and 3.6 litres of anti-freeze for 7 litres of water (10.5 and 6.4 imp. pints anti-freeze for 12.5 imp. pints water).

"TOTAL" anti-freeze contains a corrosion inhibitor.

We recommend renewing the cooling fluid once per year, at the beginning of the cold season. This is a delicate operation and should be carried out by a Citroën Dealer.

**Cleaning**

An opening, operated by a zip fastener, makes it possible to clean, if necessary, the front face of the radiator (see Fig. 30). Under normal conditions, this should always be closed.

Under conditions of very dense snow and under exceptional circumstances, keep the flap open by means of the press stud provided for this purpose.

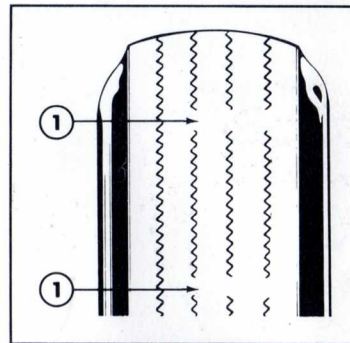


Fig. 29 - Tyre wear indicators  
1 - Warning areas

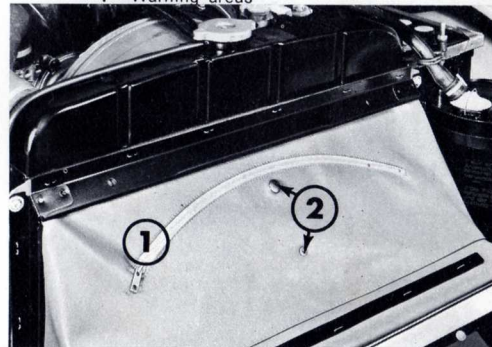


Fig. 30 - Cleaning the radiator  
1 - Zip fastener  
2 - Press stud



The bodywork should be looked after regularly, especially in winter. This maintenance should not only concentrate on the paintwork and the metal decorative components but should take in the underside of the car as well: advice in this connection can be obtained from any Citroën Dealer.

Never wipe the car when dry, since this will scratch the paintwork finish.

Petrol, trichlorethylene and alcohol harm paint and transparent plastic, such as the sidelamp covers. Do not use strong detergent solutions either.

#### **Cleaning the bodywork**

Frequent washing is necessary to keep the paintwork in good condition but it is nevertheless essential that certain precautions be observed; here are some reminders:

Never wash the car in full sunlight nor during frost. If the car has been heated by the sun or the bonnet is still warm after a journey, wait until the surfaces have cooled down.

The body should first be rinsed with copious amounts of water, applied either with a soft sponge, using no pressure and rinsing the sponge often, or with a low pressure jet. If a car shampoo is used, rinse afterwards with plenty of water.

Wipe the car dry with a clean chamois leather which is rinsed and wrung out frequently; ensure that no spots of water are left on the paintwork.

When setting off, apply the brakes a few times to dry out any water from the brake linings.

#### **Cleaning the windows**

The windows can be cleaned with alcohol or special glass cleaners, except the inside of the rear-window, if equipped with electric heating (see page 26).

We advise against products with a silicone base.

Hinge the windscreen wiper blades forward and clean them with soapy water, without exerting pressure on the rubber edge.

**Metal decorative components**

Wash in suds or water, to which a little detergent such as Teepol has been added (2.5 to 3.0 cu. in. per gallon or 10 to 15 cm<sup>3</sup> per litre), preceded and followed by copious amounts of clean water.

The wheel embellishers in particular should be washed very often, since in time, mud might damage the surface so that repolishing may become necessary.

After drying with a leather, it is recommended that a product like "ABEL Polish-chrome" or other proprietary chrome-polishes, be applied as a protection for the polished metal finish.

**Spots of tar on the bodywork**

These should be removed as soon as possible.

Do not scrape off and do not use petrol or a spot remover for cloth, but a special tar remover, such as "ABEL".

**Polishing the paintwork**

Polishing is not recommended for metallic paintwork because of the risk of rings appearing.

On the other hand, for non-metallic paintwork, it is recommended to carry out polishing at the end of winter; for this, the body must be perfectly clean and dry.

Use products that are only slightly abrasive, i.e. liquid polishes (e.g. "LAVABEL") and follow the manufacturer's instructions.

**Paint reference**

The paint reference for the car can be found on a small disc (Fig. 31), under the bonnet, attached to the bulkhead, near the R.H. air duct.

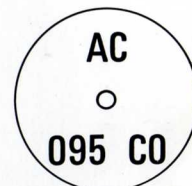


Fig. 31 - Paint reference disc for the car



**Cleaning the upholstery**

Only use non-caustic soaps, toilet type.

**Fabric upholstery :**

These may be brushed or, preferably, suction cleaned. If there is much general dirt, use commercial "dry foam"; after carefully removing all traces of dust.

**Imitation leather upholstery :**

Clean with a product of the "Spic" type or with a little soapy water. Rinse well then rub with a dry cloth. We do not advise products sold to make these parts shine.

**Isolated marks on the upholstery**

Marks on the fabric, leather, or imitation leather, may be cleaned with soapy water or water with a little 'Teepol' detergent added.

If these do not remove them, use 90° alcohol (commercial methylated spirit), or lead-free petrol.

Use squeezed out pads and rub the marks lightly.

Solvents such as acetone, trichlorethylene etc, are not recommended.

There are complex cleaners containing absorbent materials which, used with care, have the advantage of not leaving rings. (e.g. "K2R").

**Seat belts**

These should be cleaned with soapy water, or with water with a little detergent of the "Teepol" type added, taking care not to touch the metal parts. Remove the deepest stains with 90° alcohol (commercial methylated spirit) or with lead-free petrol.

Do not dye the belts which could be weakened.

**Dials on instrument panel**

Use either soapy water or a commercial diluent, to the exclusion of all other products.

**Steering wheel**

Use soapy water or a detergent additive such as 'Teepol'. Under no circumstances use solvents such as alcohol, lead-free petrol or trichlorethylene.

**Heated rear-window (if fitted).**

The interior of the rear-window should only be cleaned with soapy water, to avoid damaging the printed circuit for the electric heating.

Replacing a wheel	30
Replacing a bulb	32-35
Adjusting the headlamps	36
Replacing a fuse	37
Replacing the battery	38
Replacing a sparking plug	38
Replacing 'LHM' fluid in an emergency	39
Using starting handle to start engine	39
Towing the car	40

You should consult this chapter should any difficulties, such as a puncture or a sparking plug which needs changing, arise. If, however, the difficulty takes the form of a dashboard instrument warning lamp, you should consult page 6 of the manual.



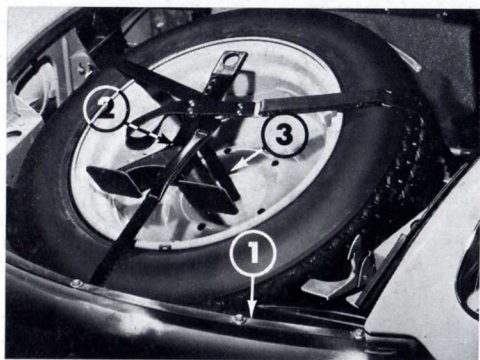


Fig. 32 - Tools for removing wheels  
1 - Joint starting handle and wheel brace  
2 - Stay  
3 - Peg

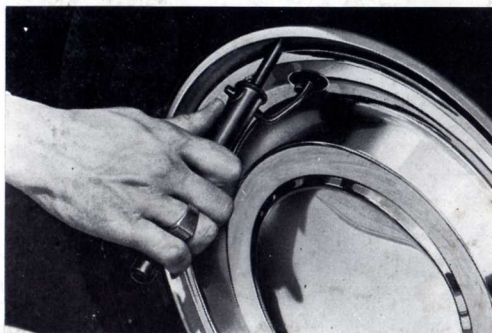


Fig. 33 - Removing a large wheel embellisher



Fig. 34 - Removing a small wheel embellisher

#### Toolkit (Fig. 32)

It is stored under the bonnet: the stay held by the peg in the centre of the spare wheel, the starting handle and wheel brace under the spare wheel.

#### Removal

Apply the parking brake fully.

Start the engine and let it run at idling speed.

Place the manual height control lever in the highest notch (maximum height).

Remove the embellisher following this plan, according to the appropriate model :

Large embellishers : Insert the curved end of the jacking peg into the hole for the valve to serve as a lever (see Fig. 33).

Small embellishers : Slide it by pressing it in line with the valve. Remove it by sliding the curved end of the jacking peg between it and the wheel and by levering (see Fig. 34).

Slacken, without removing, the five wheel nuts with the brace. This loosening is facilitated by using the extension.

When the vehicle is at maximum height, engage the jacking stay in the lug under the front door (or the rear door, according to which wheel is being changed) and engage the straight end of the jacking peg into the hole nearest the notch situated in the upper part of the base (see Fig. 35).

Place the manual height control lever in the lowest position and remove the wheel.

**Refitting**

Place the end of the wheel-brace extension into the centre hole of the wheel to be refitted and engage it in the central hole of the hub (Fig. 35a)

Hold the extension, raising it, and slide the wheel to engage it on the studs.

Screw on the 5 nuts without tightening them.

Place the manual height control lever in the highest notch (maximum height).

Disengage the stay.

Tightly lock the 5 nuts using the wheel-brace without the extension. Replace the wheel embellishers (according to model):

Large embellishers: Paying attention to the position of the hole for the valve (see Fig. 36).

Small embellishers: First engaging the leafspring in one of the holes and pushing on the other end to engage it in the second securing hole (see Fig. 36 a).

Place the manual height control lever in its original position.

Check as soon as possible the pressure of the tyre of the wheel just fitted (see the data summary on the back of this handbook).

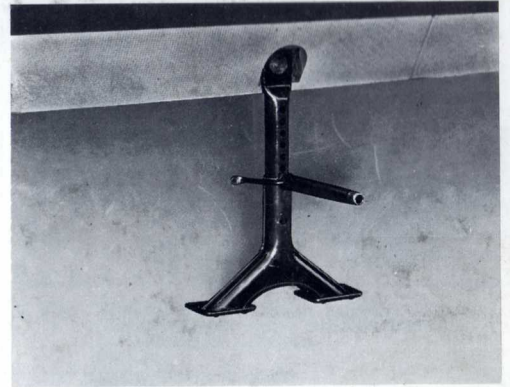


Fig. 35 - Positioning the jacking stay



Fig. 36 a - Refixing wheel embellisher (small diameter)



Fig. 36 - Refixing wheel embellisher (large diameter)

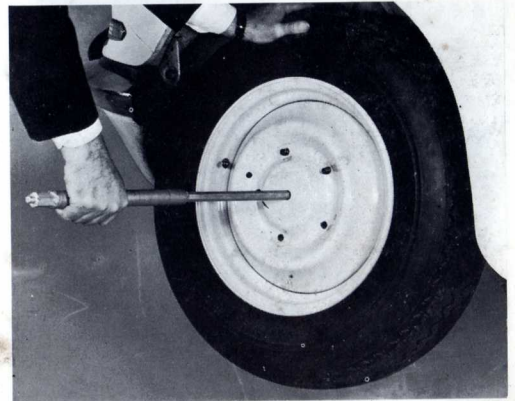


Fig. 35a - Guiding the wheel when refitting



### Headlamps

They comprise:

- Outer : Dipped/Main beam headlamps (large diameter) with sidelamps incorporated.
- Inner : Long-range headlamps (small diameter) directional.

They are fitted with "Quartz Iodine" bulbs.

A hole in the wings gives access to the rear part of the headlamp units, and thus makes the replacement of bulbs possible. Do not undertake the replacement operation unless the lamps have been switched off for at least 5 minutes.

Take care not to touch the new bulb with your fingers. If this is done inadvertently, take another bulb or clean that which has been touched, with a little soapy water and dry with a non-fluffy cloth.

**Dipped/Main beam headlamps (large diameter) with Quartz Iodine bulbs, H 4 type.**

(12 V - 50/60 W - H 4 type) (if fitted).

"Marchal" component (Fig. 37).

- Push the white plastic assembly (Mark 1) and turn it : it will separate automatically from the reflector.
- Disconnect the faulty bulb (Mark 2) from the connector (Mark 3), by pulling it.
- Insert a new bulb into the coil spring (Mark 4) of the assembly.
- Refit connector to the terminal of the bulb (3 contact pins).
- Refit the assembly in the reflector, taking care to insert the three securing lugs of the flange (Mark 5), into the corresponding notches (red mark upwards).
- Push the assembly and turn it until it locks.

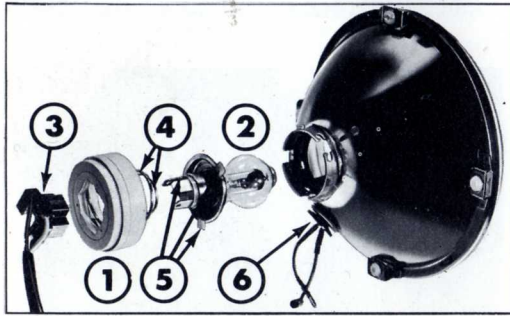


Fig. 37 - Main beam/Dipped (large diameter)  
Marchal H 4 Quartz Iodine bulbs (if fitted)  
1 - Bulb holder assembly  
2 - Bulb  
3 - Connector  
4 - Coil spring  
5 - Securing lugs  
6 - Sidelamp (see page 35)

"Cibié" component (Fig. 37 a).

- Turn the black plastic assembly (Mark 1) following the arrow marked "demon- tage", then pull to disengage it from the reflector.
- Disconnect the faulty bulb (Mark 2), by pulling it.
- Reconnect a new bulb, taking care to position the three base pins correctly (Mark 3).
- Replace the unit in the reflector (use the 'upward' mark) and turn it in the direction of the arrow marked "montage".

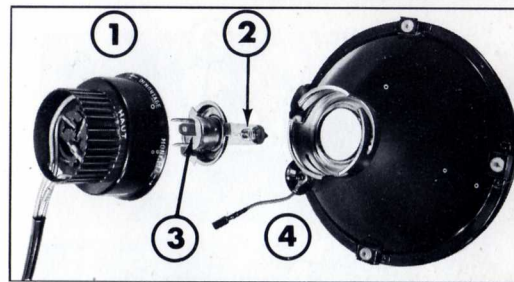


Fig. 37 a - Main beam/Dipped (large diameter)  
Cibié H 4 Quartz Iodine bulbs (if fitted)  
1 - Bulb holder assembly  
2 - Bulb  
3 - Bulb base (3 leads)  
4 - Sidelamp (see page 35)

## Main Beam/Dipped headlamps (large diameter) with Quartz Iodine H 1 bulbs.

(12 V - 55/60 W - H 1 type) (if fitted).

Dipped headlamps : upper bulb.

Main beam headlamps : lower bulb.

A. "Marchal" component (Fig. 38 ).

Turn the rim (Mark 1) and the bulb holder assembly (Mark 2) will separate automatically.

Pull the faulty bulb to separate it from the connector (Mark 3).

Insert a new bulb, taking care over the positioning of the cut-off part of the bulb flange.

Reposition the bulb holder assembly. Take care to catch the rim teeth.

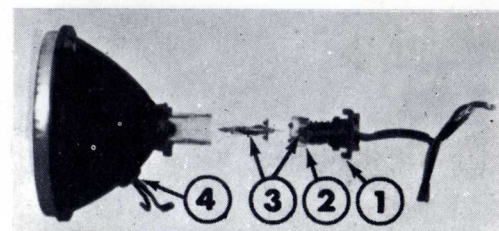


Fig. 38 - Main beam/Dipped (large diameter)  
Marchal H 1 Quartz Iodine bulbs (if fitted)  
1 - Rim  
2 - Bulb holder assembly  
3 - Bulb and connector  
4 - Sidelamp (see page 35)



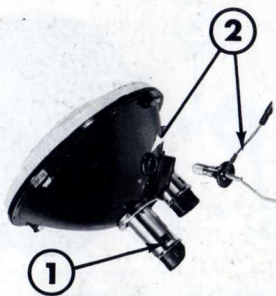


Fig. 38 a - Main beam/Dipped (large diameter)  
Cibié H 1 Quartz Iodine bulbs (if fitted)  
1 - Release stop  
2 - Sidelamp (see page 35)

B. "Cibié" component (Fig. 38 a).

Press the stop (Mark 1) and the bulb holder assembly will separate automatically.

Disconnect the assembly and separate the lead from the bulb base.

Insert a new bulb, taking care over the positioning of the cut-off part of the bulb flange.

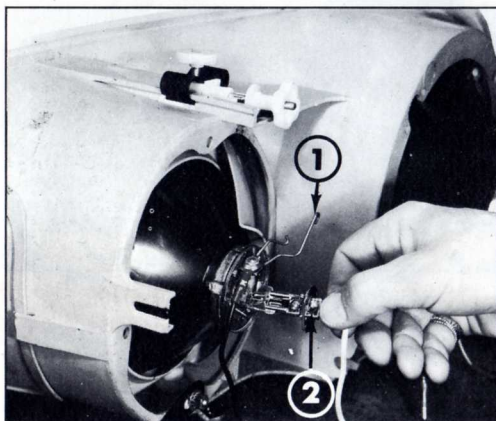


Fig. 39 - Long-range headlamps  
(small diameter)  
Quartz Iodine bulbs  
1 - Retaining spring  
2 - Bulb

**Long-range headlamps (small diameter) with Quartz Iodine bulbs (Fig. 39)**

(12 V - 55/60 W H 1 type).

Unhook the retaining spring (Mark 1).

Disconnect the lead from the bulb terminal.

Replace the bulb.

Take care over the positioning of the lugs when replacing the assembly.

**Sidelamps**

- Front (12 V - 4 W - T 8/4 type)  
These bulbs are integrated in the Dipped/Main beam headlamps (large diameter) (see Figs. 37 and 38).  
Pull the holder, turning it slightly.

- Rear (12 V - 21/5 W - P 25/2 type)  
\* Double-filament bulbs, common to rear Sidelamps and brake lamps.  
Remove the transparent cover (2 screws to slacken). (see Fig. 41)

**Direction indicators.**

- Front (Fig. 40). (12 V - 21 W - P 25/1 type)  
Remove the cover (2 screws to slacken).  
Disengage the bulb holder, swinging the holding connecting strip.
- Rear (Fig. 41).  
Remove the transparent cover (2 screws to slacken).

**Brake lamps**

(12 V - 21/5 W - P 25/2 type)

- \*\* Double-filament bulbs, common to brake lamps and rear Sidelamps.  
Disengage the transparent cover (two screws to slacken).

**Reversing lamps**

(12 V - 21 W - P 25/1 type)

- Disengage the glass cover (two screws to slacken).

**Number-plate lamp**

(12 V - 4 W - T 8/4 type)

- Disengage the chrome cover (1 connecting screw).

**Interior lighting**

(Festoon 12 V - 7 W - length 38 mm)

**Glove compartment**

(12 V - 2 W T 8/2 type)

- Lift out the white cover, pulling it downwards and slightly towards the side to disengage it.

**Control panel**

- Dashboard lighting
- Warning lamps

(12 V - 3 W - wedge type - base of tube  $\phi = 10$  mm)

(12 W - 3 W - wedge type, except for headlamps, side and tail lamps and heated rear window 12 V - 2 W T 8/2 type).

**Heater control (if fitted)**

(BA - 9 S - 12 V - 2 W - T 8/2 type)

**Clock lamp**

(BA - 9 S - 12 V - 2 W - T 8/2 type)

**Ashtray lamp**

(BA - 9 S - 12 V - 2 W - T 8/2 type)

**Cigarette lighter lamp**

(BA - 9 S - 12 V - 2 W - T 8/2 type)



Fig. 40 - Front direction indicators

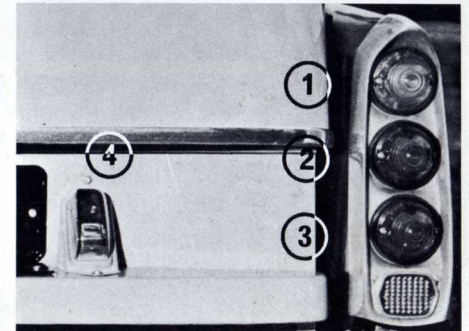


Fig. 41 - Rear lighting  
 1 - Direction indicator  
 2 - Tail and brake lamp  
 3 - Reversing lamp  
 4 - Number plate lamp



These adjustments can only be carried out effectively in a workshop equipped with the necessary checking devices.

- Dipped/Main beam headlamps (large diameter) self-levelling (Fig. 42) :

Vertical adjustment : turn the screw (Mark 1).  
Horizontal adjustment : turn the screw (Mark 2).

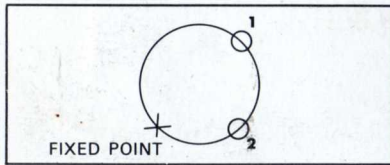


Fig. 42 - Dipped/Main beam headlamps (large  $\varnothing$ )  
Self-levelling  
1 - Vertical adjustment  
2 - Horizontal adjustment

Long-range headlamps (small diameter) directional (Figs. 43 and 43 a) (if fitted):

Vertical adjustment : turn the knurled knob (Mark 1)  
Horizontal adjustment : turn the white sleeve (Mark 2) after first loosening the lock-nut (Mark 3).  
Towards the right : adjusts the beam towards the right.  
Towards the left : adjusts the beam towards the left.  
After carrying out the adjustment, do not forget to lock the lock-nut.

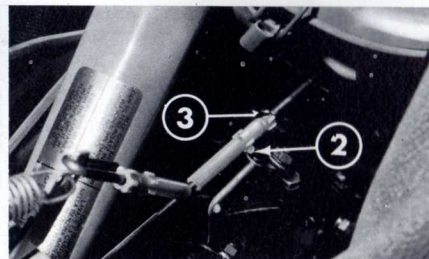
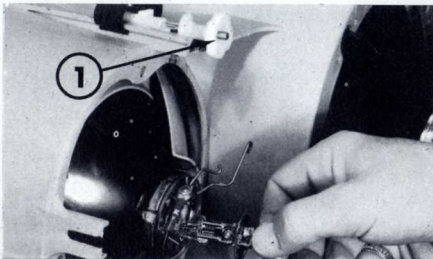


Fig. 43 - Long-range headlamps (small  $\varnothing$ )  
directional  
1 - Vertical adjuster

Fig. 43 a - Long-range headlamps (small  $\varnothing$ )  
directional  
2 - Adjusting sleeve  
3 - Lock-nut

It is necessary, before replacing a blown fuse, to determine the cause and have this remedied.

The 10 fuses protecting the circuit (3 fuses of 16 amps and 7 of 10 amps) are found under the bonnet and are distributed in the following way:

- Left hand side : One box, and an in-line fuse on the L.H. wing wiring harness.
- Right hand side : One box, and an in-line fuse on the R.H. wing wiring harness.

Remove the cover of the box by pulling it and replace the fuse with another of the same amperage.

List of fuses and equipment protected :

Left-hand side :

- |  |  |
|--|--|
| <p><b>1. Mauve marking (10 a)</b><br/>L.H. dipped headlamp</p> <p><b>3. Green marking (16 a)</b><br/>Interior and boot lighting<br/>Warning lamps and direction indicators<br/>Cigarette lighter<br/>Rear-window heating<br/>Reversing lamps<br/>Air blower<br/>Battery charging circuit</p> <p><b>5. Yellow marking (16 a)</b><br/>Front and rear R.H. side-lamps<br/>Number-plate lighting<br/>Cigarette lighter, ashtray, heater control, clock and dashboard lighting<br/>Side and tail-lamp warning light</p> | <p><b>2. Red marking (16 a)</b><br/>Electronic tachometer<br/>Rheostat and fuel gauge<br/>Warning lamp cluster<br/>Windscreen washer pump and wiper motor<br/>Accessory terminal<br/>Brake lamps<br/>Heating and fresh air blower<br/>Clock<br/>Glove compartment lighting</p> <p><b>4. White marking (10 a)</b><br/>R.H. dipped headlamp</p> <p><b>6. Blue marking (10 a)</b><br/>Front and rear L.H. side-lamps</p> <p><b>7. Mauve marking (10 a) (in-line fuse)</b><br/>L.H. Long-range headlamps</p> |
| <p>Right-hand side :</p> <p><b>8. Mauve marking (10 a) (in-line fuse)</b><br/>Long-range R.H. headlamps</p> <p><b>10. Yellow marking (10 a)</b><br/>L.H. main beam headlamp</p>  | <p><b>9. White marking (10 a)</b><br/>R.H. main beam headlamp</p>  |

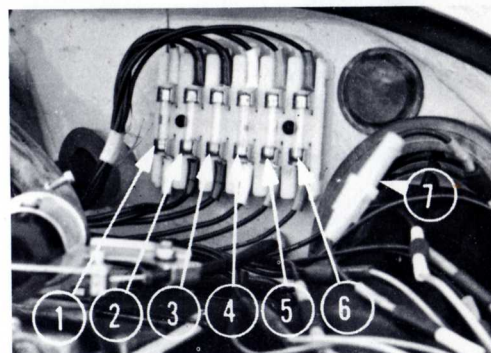


Fig. 44 - L.H. side fuses

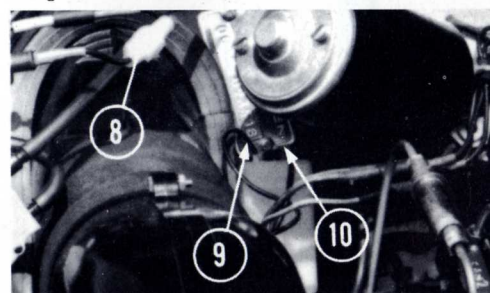


Fig. 44 a - R.H. side fuses



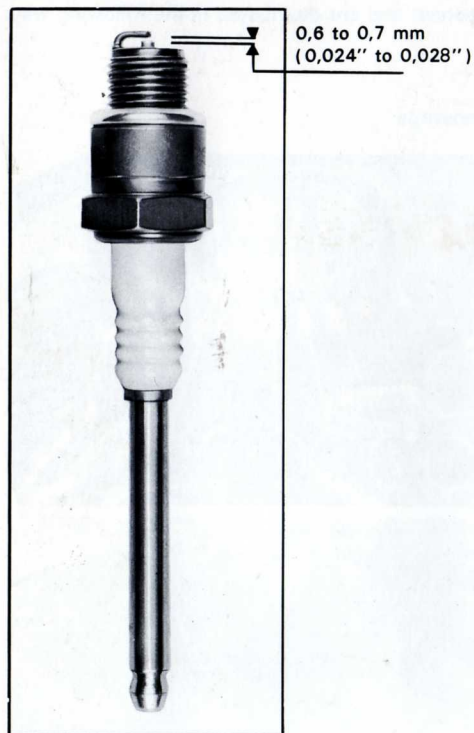


Fig. 45 - Electrode gap

**Battery replacement**

Battery references : « Safari 23 »: 12 V - 250/50 or 300/60 AH.CEI

« Safari 20 »: 12 V - 200/40 or 250/50 AH.CEI

Disconnect the battery terminals, always starting with the negative terminal.

Disconnect the starter motor relay from the positive terminal (on hydraulic gear-change version).

Disconnect the speedometer cable relay.

Unscrew the two frame tie-rods of the battery, and disconnect the relay leads marking their position, then pivot the frame towards the front.

Raise the battery.

Ensure correct positioning of the terminals before putting the battery back in place.

**Sparking plug replacement**

Original fitting: Marchal 35,1 B - AC 42 FS - Bosch W 225 T 35 - Eyquem 705 S.

Other authorized alternatives: Beru 240.14 - Champion L 87 Y - Hitachi M 43 - Marelli CW 7N.

Sparking plug gap : 0.6 to 0.7 mm (0.024" to 0.028").

To refit a sparking plug :

- push a rubber tube over the insulator of the replacement plug
- screw it in by hand as far as possible
- finish tightening with the spanner.

To remove sparking plug for N° 4 cylinder :

- remove the rubber plug from the scuttle gutter
- insert the plug spanner into the hole now apparent.

**Replacement of the green "LHM" fluid in an emergency**

In an emergency, it is possible to use an SAE 10 or SAE 20 engine oil in place of the green "LHM" fluid or also a "A Suffix A" or "Dexron" type automatic gearbox oil.

However, as soon as possible afterwards, the reservoir must be drained by a Citroën Dealer who should then top it up again with the green "LHM" fluid.

**Using the starting handle to start the engine** (on the hydraulic gear-change version and vehicles fitted with a 4-speed gearbox only).

The starting handle is situated under the spare wheel, inserted in its extension (see Fig. 32 - page 30). In order to use it, remove the plug which seals the eye, located under the front bumper, behind the number plate.

Do not forget to keep the parking brake on and make sure that the gear selection lever is in neutral. See auxiliary clutch control on page 12.

**Door-locks frozen up**

Heat the key slightly with a lighter or a match flame before inserting it.



**Towing the car**

From the front : attach a cable to the lower left and right-hand wheel arms and protect the lower part of the closing panel by inserting a piece of wood and stout padding.  
Then raise the vehicle.

From the rear : attach a cable to the right and left suspension arms, taking all the precautions necessary for the protection of the body closing panels and brake pipes.

While the car is being towed with the engine stopped, the driver must use only the parking brake, since the high pressure pump supply is inoperative.

General .....	42
Engine .....	44
Transmission .....	46
Hydraulic system .....	47
Suspension .....	48
Braking .....	50
Steering and wheels.....	52
Electrical system .....	54
Bodywork and interior fittings ..	56

The section will enable you, if you so desire, to learn more about your car.



**Safari**

Front wheel drive

Number of seats

: Safari and Familiale : 7  
 Commercial Estate and Ambulance : 5

French fiscal rating

: "Safari 23" : 13 CV  
 "Safari 20" : 11 CV

Top speed

: "Safari 23" : 171 km/h approx. (106 m.p.h.)  
 "Safari 20" : 165 km/h approx. (103 m.p.h.)

Maximum slope for starting with a  
 towing load of 1 800 kg. (3968 lbs.): 10.5 %

Speed at 1 000 r.p.m. in km/h (m.p.h.)

	5 - speed gearbox		4 - speed gearbox	
	km/h	m.p.h.	km/h	m.p.h.
1st gear	8.7	5.4	8.7	5.4
2nd gear	14.6	9.1	15.5	9.7
3rd gear	21.5	13.4	23.5	14.7
4th gear	29.3	18.3	33.3	20.8
5th gear	36.2	22.6	—	—
Reverse	9	5.6	9	5.6

**Weights**

Unladen, in running-order

—on front wheels

—on rear wheels

Maximum authorised laden weight

—on front wheels

—on rear wheels

Maximum towing load

—without overrun brake

—with continuous brake

"Safari 23"		"Safari 20"	
kg.	lbs.	kg.	lbs.
1 435	3 164	1 400	3 087
885	1 951	855	1 885
550	1 213	545	1 202
2 075	4 575	2 040	4 497
1 050	2 315	1 050	2 315
1 050	2 315	1 050	2 315
630	1 389	630	1 389
1 800	3 968	1 800	3 968

**Overall measurements**

Overall length

: 5.02 m (16 ft. 6 ins.)

Overall width

: 1.80 m. ( 5 ft. 11 ins.)

Turning circle

: 11 m. approx. (approx. 36')

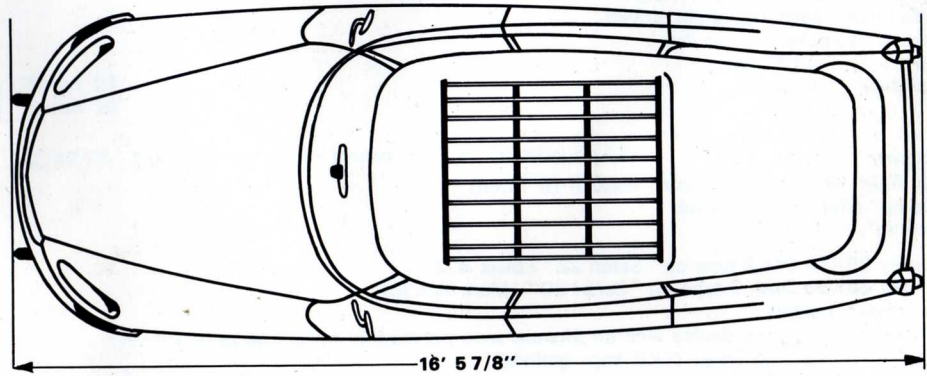
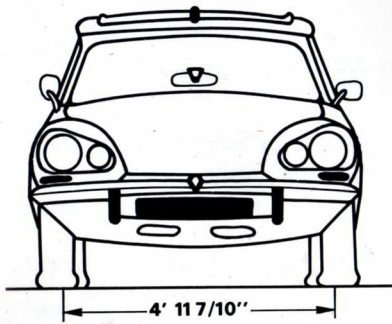
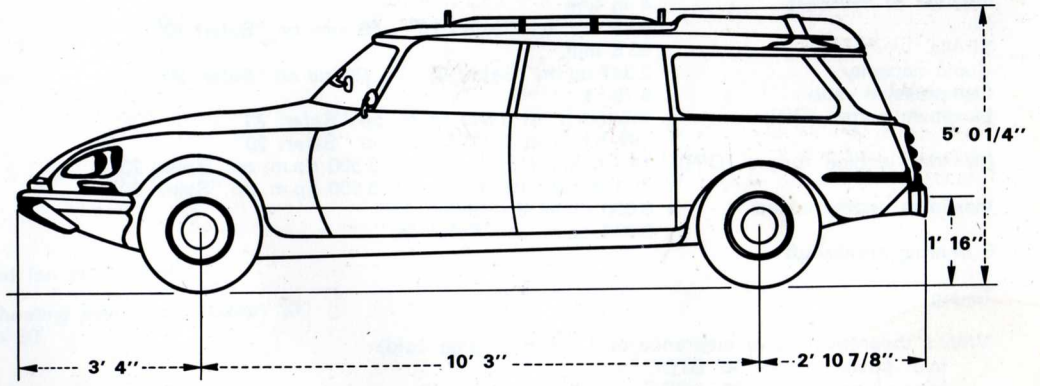
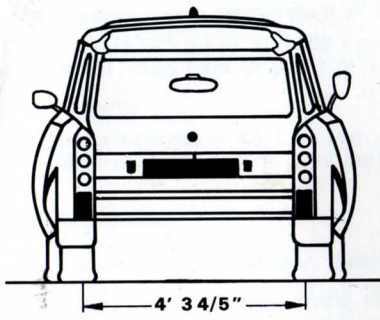


Fig. 46 - Overall dimensions



**General**

Description	: Citroën DX 4 type on "Safari 23" - DY 3 on "Safari 20"
Number of cylinders	: 4 in line
Bore	: 93.5 mm. on "Safari 23" - 86 mm. on "Safari 20"
Stroke	: 85.5 mm.
Cubic capacity	: 2 347 cc on "Safari 23" - 1 985 cc on "Safari 20"
Compression ratio	: 8.75 : 1
Maximum output (DIN)	: 115 b.h.p. at 5 500 r.p.m. on "Safari 23" 99 b.h.p. at 5 500 r.p.m. on "Safari 20"
Maximum engine torque (DIN)	: 18.7 m.k.g (135 ft. lbs.) at 3 500 r.p.m. on "Safari 23" 15.1 m.k.g. (109 ft. lbs.) at 3 500 r.p.m. on "Safari 20"
Maximum engine speed	: 6 000 r.p.m. on "Safari 23" 6 000 r.p.m. on "Safari 20"
5 bearing crankshaft	

**Timing**

With a theoretical valve clearance of 1.1 mm (engine cold):

Inlet opens 0° 30' BTDC

Inlet closes 42° 30' ABDC

Exhaust opens 38° 30' BBDC

Exhaust closes 4° 30' ATDC

Side-mounted camshaft, chain driven.

Clearance of rockers when hot:

inlet : 0.20 mm

exhaust : 0.25 mm

**Fuel supply**

Dry air filter with summer/winter control (if fitted)

Fuel pump, push-rod operated.

Carburettor:

Weber 28×36 DM-2 type on "Safari 23" (Mark 47.00)

Weber 28×36 DMA-3 type on "Safari 20" (Mark W 4301)

Manual choke control.

Crankcase gas recycling device with oil-thrower incorporated in flame trap on crankcase

Fuel tank capacity: 65 litres (14.3 imp. gallons)

Fuel: Premium, 4 - star, ( 97-99 octane ).

**Lubrication**

Lubrication under pressure.

Oil pressure for a temperature of 60° to 65° C (140° - 149° F) :

4-5 bars (57-73 p.s.i.) at 4 000 r.p.m.

[minimum : 0.55 bars (8 p.s.i.) at 1 000 r.p.m.]

Oil capacity :

— Sump capacity = 4.5 l. (8 imp. pints)

— After changing the oil filter cartridge = 5 l. (8.8 imp. pints).

**Cooling system**

By means of water, radiator, thermostat and fan at the front.

Capacity : 13 l. (23 imp. pints) including heating system on "Safari 23"  
10.6 l. (18 imp. pints) on "Safari 20"

**Ignition**

Firing order : 1 - 3 - 4 - 2

Strobe setting : 23° at 2 000 r.p.m. on "Safari 23"  
28° at 2 000 r.p.m. on "Safari 20"

Sparking plugs : Fitted by the manufacturer : AC 42 FS - Bosch W 225 T 35 - Eyquem 705 S - Marchal 35,1 B.

Other authorised types : see page 38

Spark gap : 0,6-0,7 mm (0.024" - 0.028")

**Exhaust**

Main silencer

Auxiliary silencer



**Clutch**

Single dry disc.

Manual gear-change version: mechanical control by means of a pedal.

Hydraulic gear-change version (if fitted): hydraulic control has no pedal and is operated by the gear selector and accelerator.

**Gearbox, drive and differential** compact assembly "en bloc" with the engine.

Manual gear-change version: mechanical control by lever under the steering-wheel.

Hydraulic gear-change version (if fitted): by means of a selector in front of the steering-wheel.

Four or five forward speeds, according to model, all synchromesh, and reverse

Four or five forward speeds, according to model, all synchromesh, and reverse

**Gear ratios**

	5 - speed gearbox		4 - speed gearbox	
1st	0.3076	(3.2:1)	0.3076	(3.2:1)
2nd	0.5151	(1.9:1)	0.5454	(1.8:1)
3rd	0.7567	(1.3:1)	0.8285	(1.2:1)
4th	1.0312	(0.97:1)	1.1739	(0.86:1)
5th	1.2758	(0.78:1)	—	—
Reverse	0.3170	(3.1:1)	0.3170	(3.1:1)

Final drive ratio : 8/35 (4.375:1).

**Drive - shafts**

Constant velocity drive shaft joints, gearbox end and wheel end.

High pressure pump.  
 Large capacity reservoir.  
 Hydropneumatic accumulator with pressure regulator.  
 Capacity of hydraulic system : 5.2 l. (9.25 imp. pints).  
 Capacity of main hydropneumatic accumulator : 0.38 l. (0.77 imp. pints).  
 Initial pressure in accumulator :  
     65 bars (924 p.s.i.)  
 Maximum operating pressure in accumulator : 175 bars (2490 p.s.i.)

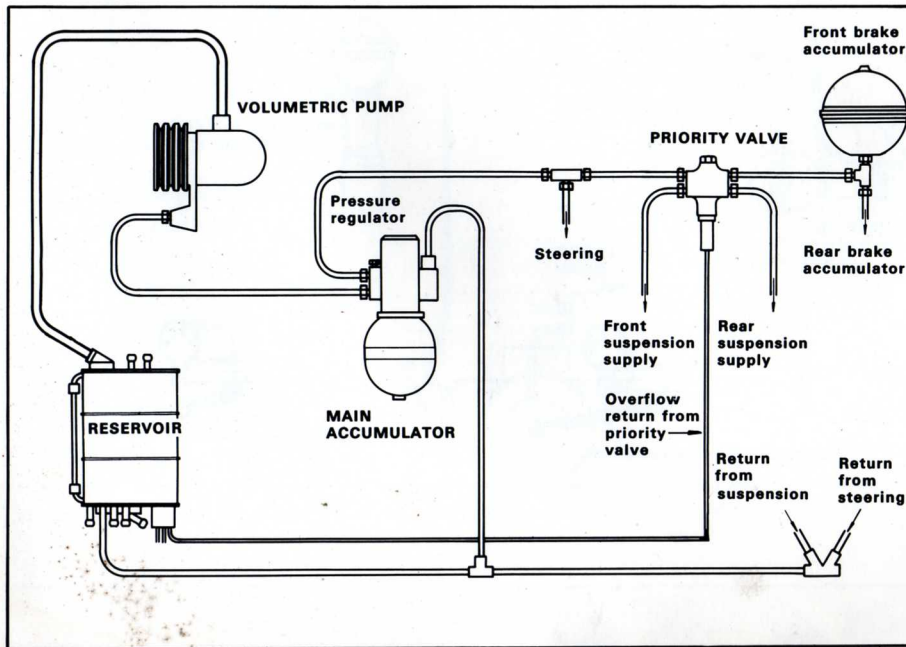


Fig. 47 - Pressure reserve manual gear-change version



Independent wheels at the front and at the rear.

Each wheel is suspended on the chassis, by 2 transverse arms for the front wheels and one trailing arm for the rear wheels.

Stabilising bars at the front and at the rear.

Automatic pressure balancing between the suspension units on the same axle.

Automatic height correctors.

Height adjustment of the vehicle from the driver's seat.

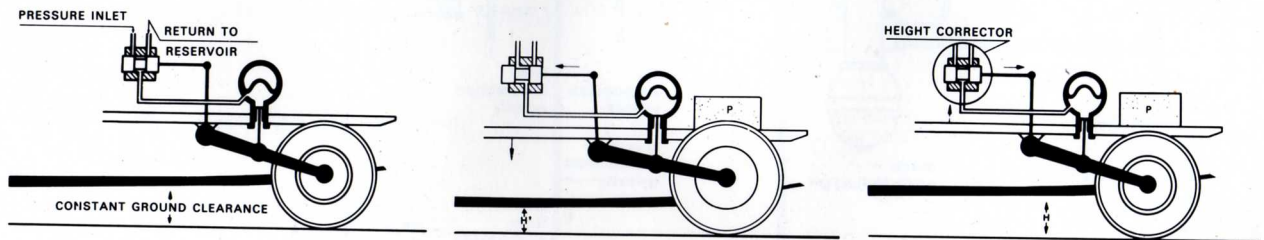


Fig. 52 - Height correction

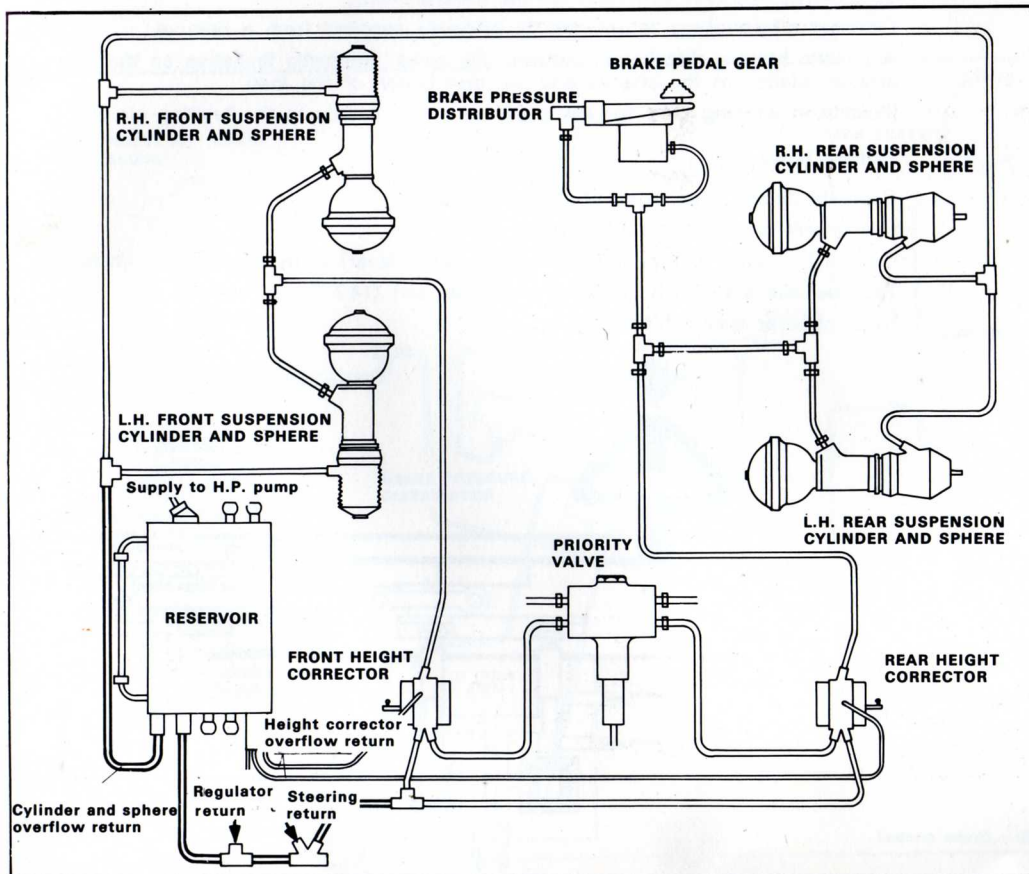


Fig. 49 - Hydraulic suspension circuit



**Main brake**

Discs on the front wheels.

Drums on the rear wheels.

Diameter of discs : 300 mm (11.8")

Diameter of drums : 255 mm (10")

Diameter of wheel cylinders :

- Front - two opposed of 60 mm (2.4")
- Rear - one of 20 mm (0.8")

Width of rear brake lining : 45 mm (1.8")

Total surface area of main brake :

509 cm<sup>2</sup> ( 79"²)

Automatic adjustment for front brake pad wear.

Warning lamp for front brake pad wear.

Split circuit hydraulic operation (L.H.M. mineral fluid).

Constant effectiveness is ensured by pressure, supplied from a reserve.

Automatic braking distribution between the axles automatic limitation on the rear axle-in relation to the amount and the distribution of the load.

Illuminated warning lamp for low pressure in the supply to the braking circuit.

**Parking brake**

Separate linings from those of the main brake.

Mechanical action on the front wheel discs.

Control by means of a pedal (locking by a hand lever) or by a hand lever (if fitted).

Total surface area of the parking brake : 95 cm<sup>2</sup> (14.7"²)

Ratio of lever arms : 1/40.3.

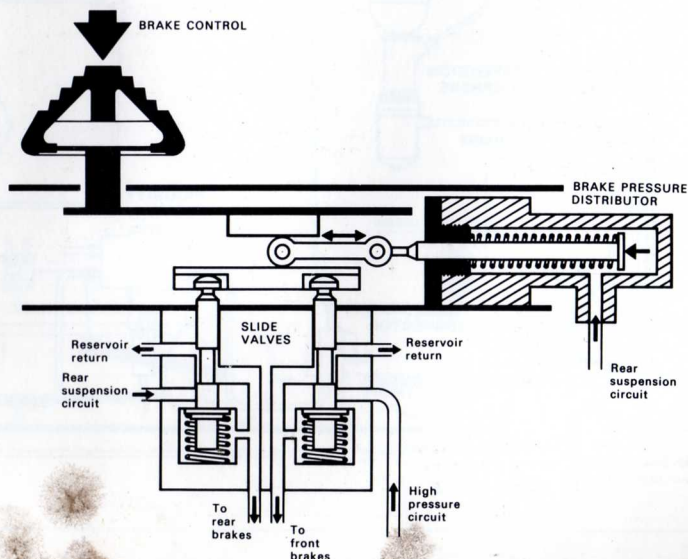


Fig. 50 - Brake control

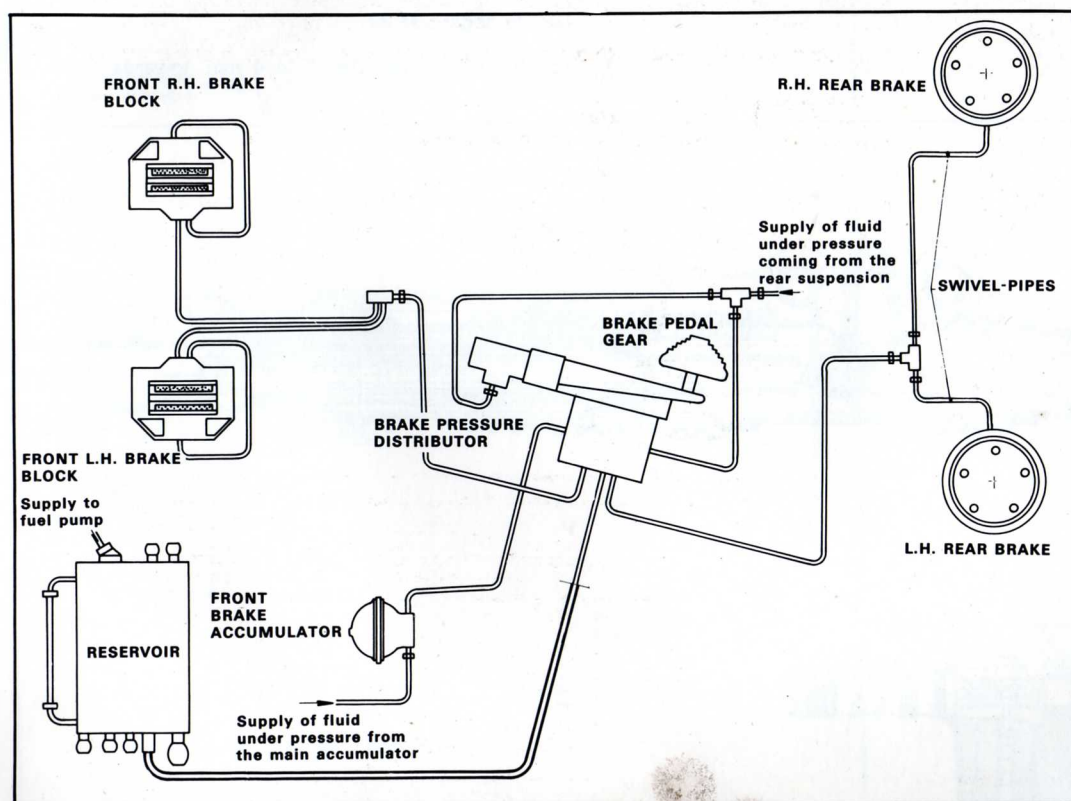


Fig. 51 - Hydraulic brake circuit

Hydraulically assisted rack and pinion steering according to model.  
Transmission to the wheels by levers and track rods.  
Overall ratio : 1/20 (mechanical), 1/15 (assisted option)  
Turning circle : approx 11 m. (36')  
Wheels secured by 5 studs.  
Rims of 5.5".

Michelin 180 HR 15 X AS tyres

Camber : equal on both sides

Caster angle :  $1^{\circ} 30'$

Toe-in of front wheels : 2 to 4 mm. towards the front

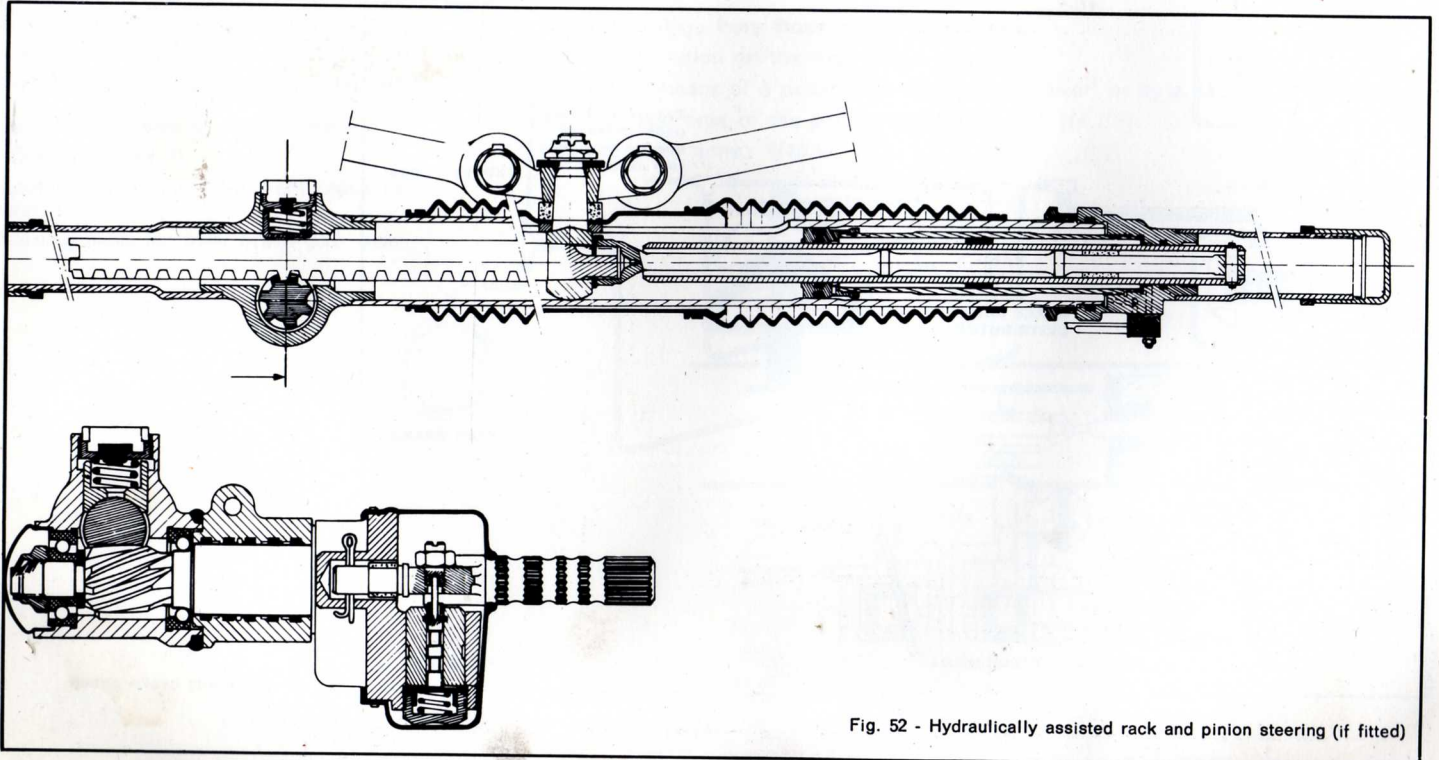


Fig. 52 - Hydraulically assisted rack and pinion steering (if fitted)



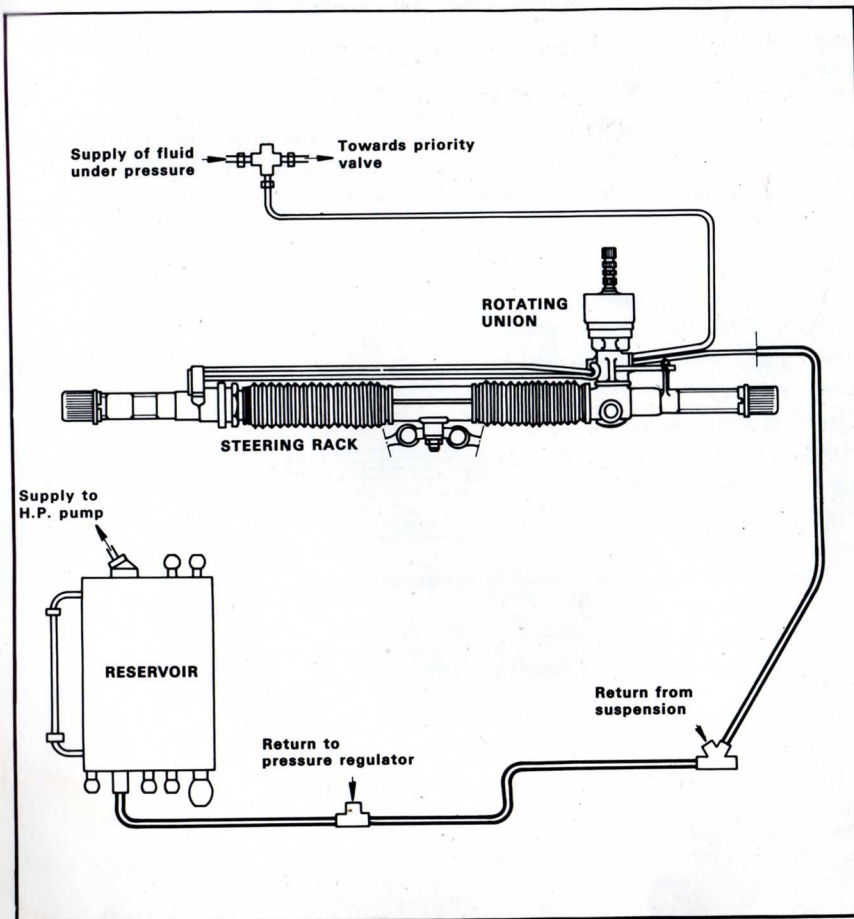


Fig 53 - Hydraulic steering circuit

Voltage : 12 V

### Alternator

- maximum output : 700 W
- commences to charge at: 1 200/1.77 r.p.m. (approx. 680 engine r.p.m.)

## Battery

- capacity : « Safari 23 »: 250/50 or 300/60 AH.CEI
- negative earth « Safari 20 »: 200/40 or 250/50 AH.CEI

Starter motor

- output : approx. 1 kW
- drive by solenoid and free wheel drive.

Conventional type distributor.

10 fuses (3 of 16 amps, 7 of 10 amps)

4 Quartz iodine headlamps grouped in two units.

2 reversing lamps.

Self-levelling headlamps.

**Directional Long-range headlamps.**

2-speed windscreen wiper motor.

Electric windscreen washer.

Blower for forced air system.

Headlamp flashers and horns, including compressor horn

Electronic tachometer.

Electric clock (if fitted).

Electric rear window heater (if fitted)

Cigarette lighter.

11 warning lamps.

Radio set (if fitted).

Accessory terminal (behind dashboard) : 10 amps maximum.

**Interior lighting :**

Interior lighting, dashboard.

Heater control, glove compartment, ashtray, cigarette lighter, ignition key

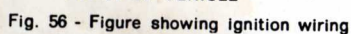


Fig. 56 - Figure showing ignition wiring

## Bulb table (according to model)

Dipped/Main beam headlamps (large diameter) Q.I. bulbs	: 12 V - 55/60 W H 4 or H 1 type	Reversing lamps	: 12 V - 21 W - P 25/1 type
Long-range headlamps (small diameter) Q.I. bulbs	: 12 V - 55/60 W - H 1 type	Number-plate lighting	: 12 V - 4 W - T 8/4 type
Sidelamps	: 12 V - 4 W - T 8/4 type	Interior lamps :	: 12 V - 7 W - 38 mm long Festoon
Tail-lamps	: 12 V - 21/5 W - P 25/2 type	Glove compartment	: 12 V - 2 W - T 8/2 type
Direction indicators : front	: 12 V - 21 W - P 25/1 type	Dashboard lighting	: 12 V - 3 W - Wedge type Base tube $\phi = 10$ mm
rear	: 12 V - 21 W - P 25/1 type	Warning lamps	: 12 V - 3 W - Wedge type except for headlamps side and tail lamp and heated rear window: 12 V - 2 W T 8/2 type
Brake lamps	: 12 V - 21/5 W - P 25/2 type	Clock lighting	: BA 9S - 12 V - 2 W - T 8/2 type
		Heating control lighting	: BA 9S - 12 V - 2 W - T 8/2 type
		Ashtray lighting	: BA 9S - 12 V - 2 W - T 8/2 type
		Lighting for cigarette lighter	: BA 9S - 12 V - 2 W - T 8/2 type

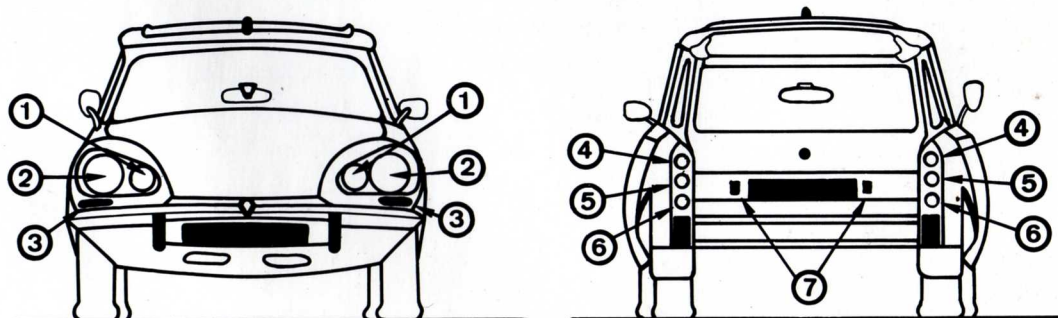


Fig. 57 - Exterior lighting and signals

- 1 - Long range headlamps
- 2 - Dipped/Main beam headlamps  
(with front sidelamps)
- 3 - Front direction indicators

- 4 - Rear direction indicators
- 5 - Tail and brake lamps
- 6 - Reversing lamps
- 7 - Number-plate lamps



5 or 6 seater Safari ( See page 42 ).

Mono-shell body.

Locks which may be operated from the inside.

Separate front seats, adjustable in length and angle of backrest.

Adjustable headrest (if fitted).

On "Safari", "Commercial Estate" and "Ambulance" : collapsible rear bench-seat.

On "Safari", collapsible seats.

Anchorage for seat belts.

Interior day/night and exterior side rear-view mirrors.

Ventilation by means of forced air system.

Thermostatically controlled heating.

Rear door maintained upright by an automatic telescopic stay.

Roof-rack : maximum weight 80 kg. (176 lbs.).

## MISCELLANEOUS INFORMATION

Running-in, servicing, guarantee..	58
Driving and running costs .....	58
Towing a trailer .....	59
Vehicle identification .....	59
Replacement parts .....	59
Travelling abroad .....	60

Your attention is drawn particularly to the sections entitled "Running-in" and "Servicing and Guarantee".  
If you are travelling abroad, the translations into 4 languages of the recommended supplies for your car will be of use to you at Service-Stations.

**Running-in**

During the first 600 miles (1 000 km), do not exceed 4 000 engine r.p.m. Avoid over-accelerating for the first 1 200 miles (2 000 km), after which there is no restriction.

Avoid also during this period :

- harsh acceleration,
- fierce braking (the brake lining must be run in),
- long distances at constant speed,
- labouring the engine at too low speeds.

**Servicing and guarantee**

At the time of delivery you will be given a Maintenance Booklet and your "Guarantee Card" with a 600 mile (1 000 km) "Servicing Certificate".

After the first 600 miles, any Citroën Dealer, whether or not he supplied the vehicle, will service the car free of charge, on producing the Servicing Certificate.

Only the cost of the materials used will be charged for.

The Dealer will keep the Servicing Certificate and sign the Guarantee Card.

This is necessary for you to benefit from the Guarantee.

**Influence of driving techniques on running costs.**

The manner in which a car is driven affects its running costs, particularly as far as fuel, oil and tyre expenses are concerned.

Running costs increase with :

- speed,
- frequent and prolonged use of low gears,
- accelerating and braking too often or too fiercely,
- unnecessary use of the accelerator pedal,
- misuse of the choke,
- taking bends at high speeds,
- tyres inflated to incorrect pressures.

The oil consumption, which varies with the use of the car, is also influenced when running in the engine. You are advised to pay particular attention to this and also to the oil change section in the Maintenance Guide.

**Loading the car**

In the event of the vehicle being used for transporting heavy material, do not forget :

- to evenly distribute the load to avoid any loss of balance on the rear axle
- to ensure that the load is fastened down correctly to prevent it from displacing towards the front seats, in case of a fierce or sudden braking



**Towing a trailer**

If you wish to use a caravan or trailer, first consult your Citroën Dealer who will give you all the necessary advice, especially in so far as the legal requirements are concerned

The maximum towing weights in France are :

- towing without overrun brake : 630 kg. (1 389 lbs)
- towing with continuous brake : 1 800 kg. (3 967 lbs)

\* We particularly draw your attention to the fact that above 3,086 lbs. (1,400 kg), you must be able to control the brakes of the trailer from the driver's seat, even if the transmission on the braking system of the towing vehicle (to the trailer) fails.

Consult your Dealer about local legal requirements.

**Identification****Positions**

Manufacturer's plate : under the bonnet, on the scuttle, R.H. side.

Stamped mark : on the upper part of the scuttle, R.H. side.

Engine plate : on the engine housing, R.H. side.

**Information**

On manufacturer's plate : type of vehicle  
series

Gross Vehicles Weight : (P.T.C.) (in kg)  
chassis number

Gross Train Weight : (with trailer) (P.T.R.) (in kg)

On stamped mark : type of vehicle

series

chassis number

Engine plate

: make

engine type

manufacturers number

In France, the type of vehicle and the chassis number are also indicated on the "Grey Card". (Registration document).

**Replacement parts**

Original parts are sold only in the Citroën network.

It is in your interest, for your safety and your guarantee, to refuse any other part.

Indicate on the order : — series, — chassis number,

— type of vehicle. — type and number of the engine.

The Replacement Parts catalogue and the Repair Manual are sold by Dealers and Concessionaires.



Fig. 58 - Manufacturer's plate



Fig. 59 - Engine plate

**MERKBLATT FÜR PFLEGE- UND WARTUNGS-DIENST****Reifen :** MICHELIN 180 HR 15 X AS

« Krankenwagen »

Druck = 2 atü vorn 2  
 2,2 atü hinten 1,9  
 2,4 atü für Ersatzrad 2,2

**Kraftstoff :** Super

Fassungsvermögen des Kraftstoffbehälters  
 = 65 l

**Motoröl :** Öl TOTAL Altigrade GT 20 W 40 oder GTS 20 W 50

In sehr kalten Ländern:

Öl TOTAL Altigrade GT oder GTS 10 W 30  
 Fassungsvermögen des Motors = 4,5 l  
 nach Austausch der Öelfilterpatrone 5 l

**Hydraulische Anlage :** Grüne Flüssigkeit « LHM » TOTAL  
 Fassungsvermögen des Hydraulikbehälters  
 = 5,2 l

**Kühler :** Wasser und Frostschutzmittel TOTAL (3 l  
 bei 7 l Wasser)  
 Fassungsvermögen = 13 l (Break 23) -  
 10,6 l (Break 20)

**Scheibenwascher :** Wasser, dem man :  
 — zu jeder Jahreszeit ein Produkt wie z.B.  
 « Stop-Clair »  
 — im Winter ein Produkt wie z.B. « Stop-  
 Gel » zusetzen kann

**Batterie :** 12 V 250/50 oder 300/60 AH.CEI (Break 23)  
 12 V 200/40 oder 250/50 AH.CEI (Break 20)  
 Destilliertes Wasser (keine Saure) zufüllen

**Zündkerzen :** Marchal 35-1B - AC 42 FS - Bosch W 225 T 35  
 Eyquem 705 S  
 Siehe weitere Möglichkeiten auf Seite 38  
 Elektrodenabstand = 0,6-0,7.

**Glühbirnen :** Siehe Tabelle auf Seite 55**MEMENTO POUR LA STATION-SERVICE (à l'étranger v. p. 58-59)****Pneumatiques :** Michelin 180 HR 15 X AS

sur "Ambulance"  
 à l'avant = 2 bars 2 bars  
 à l'arrière = 1,8 bars 1,9 bars  
 roue de secours = 2,2 bars 2,2 bars

**Carburant :** Super - Capacité = 65 litres**Huile moteur :** Huile TOTAL "GT20W40" ou "GTS20W50"

Dans pays très froid :

TOTAL "GT 10 W 30" ou "GTS 10 W 30"

Capacité carter moteur : 4,5 l

après échange cartouche filtre à huile : 5 l

**Huile boîte :** Huile "TOTAL Extrême pression SAE 80"**de vitesses :** Capacité boîte 4 vitesses : 2 l - boîte 5 vitesses : 2,25 l**Graissage général :** "TOTAL multis"**Installation :** Lique vert TOTAL "LHM"**hydraulique :** Capacité = 5,2 l**Radiateur :** Eau et antigel "TOTAL"

Capacité = 13 l sur "Safari 23"

10,6 l sur "Safari 20"

**Lave-glace :** Eau à laquelle il peut être ajouté :

— en toute saison : un produit genre "Stop-Clair"

— en hiver : un produit genre "Stop-Gel"

**Batterie :** 12 V 250/50 ou 300/60 AH.CEI (Break 23)

12 V 200/40 ou 250/50 AH.CEI (Break 20)

Eau distillée (ne pas ajouter d'acide)

**Bougies :** Marchal 35-1B - AC 42 FS - Bosch W 225 T 35  
Eyquem 705 S

Autres montes autorisées : voir 38

Ecartement des électrodes = 0,6 à 0,7 mm

**Lampes :** Voir tableau page 55**Do not forget to ask your insurance company for an International Green Card.****This will avoid extra expenses when entering countries where insurance is compulsory and can avoid serious complications in the event of an accident in another country.****However, it is only valid in those countries which are covered by the insurance policy (refer to the geographical limits in the "General**



## PROMEMORIA PER LA STAZIONE DI SERVIZIO

**Pneumatici :** MICHELIN 180 HR 15 X AS

Pressioni : « Ambulanza »  
 2 kg/cm<sup>2</sup> per le ruote anteriori 2  
 2,2 kg/cm<sup>2</sup> per le ruote posteriori 1,9  
 2,4 kg/cm<sup>2</sup> per la ruota di scorta 2,2

**Carburante :** Super  
 Capacità = 65 litri

**Olio motore :** TOTAL Altigrade GT 20 W 40 o GTS 20 W 50  
 Capacità = 4,5 litri  
 Dopo sostituzione cartuccia 5 litri

**Impianto idraulico :** Liquido verde « LHM »  
 Capacità = 5,2 litri

**Radiatore :** Acqua con anticongelante TOTAL (3 litri per 7 l acqua)  
 Capacità = 13 l (Break 23) - 10,6 l (Break 20)

**Lava cristallo :** Acqua alla quale è possibile aggiungere :  
 — in ogni stagione : un prodotto tipo « Stop-Clair »  
 — in inverno : un prodotto tipo « Stop-Gel »

**Batteria :** 12 V 250/50 o 300/60 AH.CEI (Break 23)  
 12 V 200/40 o 250/50 AH.CEI (Break 20)  
 Acqua distillata (non aggiungere acido)

**Candele :** Marchal 35-1B - AC 42 FS - Bosch W 225 T 35  
 Eyquem 705 S  
 Per le altre marche possibili vedere p. 38  
 Distanza degli elettrodi = 0,6 a 0,7 mm

**Lampada :** Ved. tabella pag. 55

## MEMENTO PARA LA ESTACION SERVICIO

**Neumáticos :** MICHELIN 180 HR 15 X AS

Presión : « Ambulancia »  
 2 kg/cm<sup>2</sup> bars delantero 2  
 2,2 kg/cm<sup>2</sup> trasero 1,9  
 2,4 kg/cm<sup>2</sup> rueda de auxilio 2,2

**Combustible :** Super  
 Capacidad = 65 litros

**Aceite motor :** TOTAL Altigrade GT 20 W 40 o GTS 20 W 50  
 Capacidad = 4,5 litros  
 Después del cambio del cartucho 5 litros

**Circuito hidraulico :** Liquido verde « LHM » TOTAL  
 Capacidad = 5,2 litros

**Radiador :** Agua con anti-hielo TOTAL (3 litros por 7 l agua)  
 Capacidad = 13 litros (Break 23) - 10,6 l (Break 20)

**Lava parabrisa :** Agua en la cual se puede agregar :  
 — en todos tiempos : un producto del tipo « Stop-Clair »  
 — en invierno : un producto del tipo « Stop-Gel »

**Bateria :** 12 V 250/50 o 300/60 AH.CEI (Break 23)  
 12 V 200/40 o 250/50 AH.CEI (Break 20)  
 Agua destilada (nunca agregar ácido)

**Bujías :** Marchal 35-1B - AC 42 FS - Bosch W 225 T 35  
 Eyquem 705 S  
 Ver otras marcas posibles página 36  
 Abertura de los electrodos = 0,6 a 0,7

**Lámparas :** Ver tablero página 55

If you are going to a country where the opposite rule of the road applies, first consult your Citroën Dealer beforehand for correct setting of the dipped headlamps.

In certain countries, a large sum may be required as deposit in case of an accident causing personal injury. There are insurance policies which cover this risk.



<b>A</b> Accumulator (see battery)		Doors, opening	2	Ignition lock	12
Air-conditioning	18	Driving position	8	Interior fittings	56
Anti-theft device	12			Interior lamp	20-35
Ashtrays	20	<b>E</b> Electrical equipment	54	Instruments	6
<b>B</b> Battery, levels	22	Engine data	44		
Battery, maintenance	25	Engine, number-plate	59	<b>K</b> Keys	2
Battery, replacement	38	Engine, oil level	22		
Body, data	56	Engine, oil, warning lamp	6	<b>L</b> Levels, check and top-up	22
Body, maintenance	26			Lighting, exterior	17-32
Bonnet	3	<b>F</b> Fuel, topping up	3	Lighting, interior	20
Brakes	14 b-50	Fuel gauge	6	Locks	2
Brakes, lining wear	6-15	Fuse boxes	37		
Bulbs, changing	32	Fuses	37	<b>M</b> Mileage recorders	6
Bulbs, table	55			Minor repairs	29
<b>C</b> Capacities	on back of handbook	<b>G</b> Gearbox	46	Maintenance	21
Changing the battery	38	Gear-changing	14		
Changing a bulb	32	Gearlever	14	<b>P</b> Pre-start check list on back of handbook	
Changing a fuse	37	Glove compartment	2	Polishing	27
Changing a sparking plug	38	Ground clearance, setting	14 a		
Changing a wheel	30	Guarantee	58	<b>R</b> Radiator, filling	22
Charging indicator	6			Radiator, maintenance	25
Chassis No	59	<b>H</b> Headlamps, adjustment	36	Rear-door	2
Chassis No stamping	59	Headlamps, controls	16	Rear-view mirror	11
Choke	12	Headlamps, flashing	16	Rear-window, heating	19
Cigarette lighter	20	Headrest	8	Rear-window, cleaning	28
Clock, electric	6	Heating	18	Replacement parts, orders	59
Clutch	46	Height correction	48	Running costs	58
<b>D</b> Dashboard	6	Horns	16		
Defrosting	18	Hydraulic system, draining	39	<b>S</b> Seat belts	10-28
Demisting	18	Hydraulic system, LHM fluid	22	Seats	8
Dimensions, main	42	Hydraulic system, general	47	Seats, backrest adjustment	8
Direction indicators	16-35	Hydraulic system, pressure- warning lamp	6	Service at 600 miles	58
		<b>I</b> Identification of car	59	Signalling	16
				Sparking plugs and gaps	38
				Speedometer	6

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Spots on upholstery .....	28	<b>U</b> Upholstery, cleaning .....	28
Starting engine .....	13	<b>V</b> Ventilation .....	18
Stopping distances .....	15	<b>W</b> Warning lamps .....	6
Stopping the engine .....	13	Washing the car .....	26
Sun-visors .....	20	Water, battery, windscreen	
Suspension .....	48	washers .....	22
<b>T</b> Tachometer, electronic .....	6	Wear, brake linings .....	62-146
Tar, removal .....	27	Weights .....	42
Technical Specifications .....	41	Wheel, changing and brace ....	30
Temperature, interior .....	18	Wheels, changing round .....	24
Temperature, engine oil,		Windscreen washer, control ....	16
warning lamp .....	6	Windscreen washer, filling .....	22
Towing the car .....	40	Windscreen wipers .....	16
Towing a trailer .....	59	Windows, cleaning .....	26
Transmission .....	46	Winkers .....	16-35
Transparent plastic covers,			
cleaning .....	26		
Travelling abroad .....	60		
Tyre pressures .....	24		
Tyres .....	24		

SUBJECT-INDEX : Page 1

The descriptions and diagrams shown are illustrative only.

The Société Citroën reserves the right to modify its models without necessarily keeping this manual up to date.



# REMINDER FOR SERVICE-STATION (for foreign countries, see pages 60 and 61)

**Tyres :** Michelin 180 HR 15 X AS

"Ambulance"

Pressures : 29 p.s.i. front 29  
32 p.s.i. rear 28  
35 p.s.i. spare 32

**Petrol :** (Premium, 4-star, 97-99 octane)  
Capacity : 14 imp. gallons. (65 litres).

**Engine oil :** TOTAL "GT 20 W 40" or "GTS 20 W 50" oil

In very cold countries :  
TOTAL "GT. 10 W 30" or "GTS 10 W 30"  
Capacity : 8 imp pints  
After filter change : 8.8 imp pints

**Gearbox oil :** "TOTAL Extreme pressure SAE 80" oil  
4-speed gearbox capacity : 3.5 imp. pints - 5-speed gearbox : 3.9 imp. pints

**Lubrication :** "TOTAL" multis

**Hydraulic system :** Green "TOTAL" L.H.M. fluid  
Capacity : 9 imp. Galls

**Radiator :** Water and "TOTAL" anti-freeze  
Capacity = 21 imp. pints on "Safari 23"  
19 imp. pints on "Safari 20"

**Windscreen washer :** Water to which may be added  
— in any season : a product like "Stop-Clair", Clearalex, Screen-clear, etc...  
— in winter : a product like "Stop-Gel", Clearalex, Screen-clear, etc...

**Battery :** - 12 V 250/50 or 300/60 AH.CEI ("Safari 23")  
- 12 V 200/40 or 250/50 AH.CEI ("Safari 20")  
Distilled water (do not add acid)

**Sparking plugs :** AC 42 FS - BOSCH W 225 T 35 - EYQUEM 705 S - MARCHAL 35-1B  
See other possibilities on page 38  
Electrode gap = .024" to .028"

**Bulbs :** See Table on page 55

## PRE-START CHECKS

**Levels :** Fuel  
(p. 20) Engine oil  
Radiator  
"LHM" fluid  
Battery  
Windscreen washer

**Operation :** Warning lamps  
Horns  
Headlamp control  
Headlamps  
Direction indicators  
Brake lamps

**Miscellaneous :** Rear-view mirror setting  
Tyre pressures  
Ground clearance adjustment