

## IN CASE OF EMERGENCY

### Fuses

The electric system of the vehicle is protected by fuses, that are collected in the fuse holder situated under the dashboard on the left side of the same.

When any control, indicator or tool does not work, check its relevant fuse.

When a fuse is burnt, the internal filament is interrupted.

Replace always the burnt fuse with one having the same amperage.

If also the new fuse burns, avoid to use the relevant device and contact one of Casalini Concessionaries

### Fuse replacement

1. Lead the starting switch to **STOP** position and disconnect all the switches.

2. Pull out the fuse (or the relay) that you suspect to be burnt by pulling it by hand.

3. Check that the fuse is really burnt.

4. Install a new fuse having the same amperage by checking that it perfectly fit inside the housing.

If the fuse does not perfectly fit, contact one of Casalini Concessionaries.



Integro



Bruciato

### Fuses of the block engine power plant

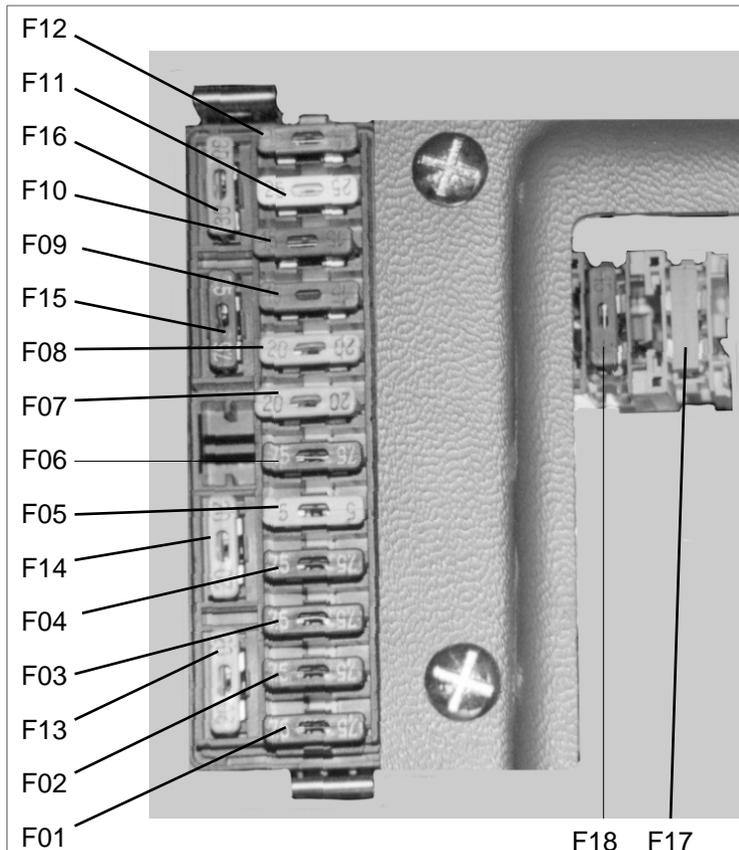
The **STOP SYSTEM**, which can stop the engine under normal or defect conditions in cooling and lubricant plants, is fed by fuses F17 and F 18.

If the engine should stop and it can't be restart (except for lack of fuel or **STOP SYSTEM** device), you have to check fuses F17 and replace it.

If engine didn't stop by pulling the contact key out, you have to check fuses F18 and replace it.

## IN CASE OF EMERGENCY

### Fuses



Pos.	Amp.	Protection circuits
F1	7.5A	Main beam lights left
F2	7.5A	Main beam lights right
F3	7.5A	Beam lights left
F4	7.5A	Beam lights right
F5	5A	Position light right
F6	7.5A	Fog light, lights asset, right position light, rear fog light, lights switch, plate light
F7	20A	switch, radio, rear glass, windshield wiper, satellite navigation, warming
F8	20A	Spark plug lights, alternator.
F9	15A	Parking lights (inclusive the 3 <sup>rd</sup> one), rear box lights, emergency lights
F10	15A	Light switch, instrument pannels.

Pos	Amp	Protection circuits
F11	25A	Horn, cooling fan, central door lock
F12	15A	Radio, coverei luggage area, ashtray, clock
F13	20A	Electric windows left
F14	20A	Electric windows right
F15	7.5A	Gasole pump
F16	30A	Spark plug lights
F17	5A	Block engine system
F18	15A	Block engine system ( switch off engine)

### WARNING

- ⇒ Check that the new fuse has the same amperage of the burnt one. A fuse having an higher amperage may cause failures or even fire.
- ⇒ Never replace a fuse with an electric cable, even temporarily: it may make the failure worse and cause a fire.
- ⇒ Do not use screwdrivers nor metal objects for removing the fuses: they may cause a short-circuit.

## MAINTENANCE

### INTRODUCTION

When inspections or maintenance operations are carried out according to the instructions contained in the present manual, be careful in order to avoid accidents to yourselves or the other persons around and damages to the car.

In case of any doubt concerning one operation, it is strongly recommended to contact a specialized shop or preferably one of Casalini Concessionaries.

All Casalini Authorized Concessionaries have at their disposal specialized mechanics and all the spare parts necessary for the maintenance.

A maintenance carried out without having the necessary experience or without having at your disposal spare parts specific for Your vehicle, may result inadequate or incomplete, that is to say that there's the possibility of damaging the vehicle and risk of fire.

The owner must keep the document proving that the maintenance has been carried out as foreseen.

A demand for warranty cover will not be accepted if it results that the damage is attributable to non-maintenance or unauthorized modifications instead of a manufacture fault or an intervention carried out by Casalini specialized personnel.

### ENVIRONMENT PROTECTION

**We remind You that batteries, filters, fluids and oils are polluting materials and in case of replacement they must be disposed of according to law.**

**DO NOT DISPERSE THEM INTO THE ENVIRONMENT: IT IS ILLEGAL TO POLLUTE PIPES, STREAMS OR SOIL.**

Use authorized waste disposal sites or the shops that can guarantee a correct disposal of materials.

In case of any doubt, contact one of Casalini Concessionaries for the replacement of filters, oils, fluids and batteries.

## IN CASE OF EMERGENCY

### ◆ Battery

The battery used is so called "without maintenance" and it doesn't need to be refuelled with distilled water. The level of electrolyte with the car in a flat position must correspond to the battery layout.

To perform the battery at best you have to follow the instructions below:

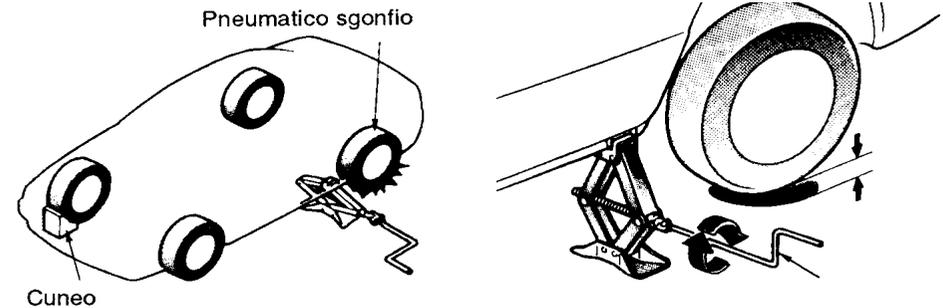
- Be careful the battery is well fixed
- Be careful the inferior part of the battery is always cleaned and dry
- Be careful both clamps and terminals are always cleaned and firmly connected. If necessary you should cover the terminals with a specific fat.
- Please wipe any trace of electrolyte by using a mix of water and soda
- If you don't use the car for a long time, it is better to disconnect the cables.

### ◆ Circles and tyres

To get the best performances, highest safety and the lowest fuel consumption, the tyres must be inflated at the suitable pressure and the admitted weight is respected.

### ◆ Tyring pressure

Tyre pressure must be carried out (together with the sport tyre) almost monthly with cold tyres. If the tyre pressure is good you can drive better and tyres aren't damaged so much. See the pressure table in the section "Characteristics and Technical Data".



### ◆ Tyres rotation

To let the tyres be consumed uniformly let it swing every 10.000 km.

Check also the tyres aren't damaged or consumed in an anomalous way. Because of an incorrect tyres deflating or an incorrect wheels alignment or sudden brakes tyres can be damaged in an anomalous way. After rotation be careful to check the tyres pressure according to the specified values, check also the wheels tighning is correct.

### ◆ Tyres replacement

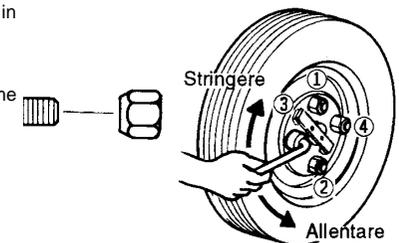
When the tyres is consumed uniformly a continuous band is to be seen crosswise. In case the tyre should be damaged ununiformly, it must be replaced before the band appears.

### ◆ Spare tyre

Check the spare tyre almost once a month to be sured it is well fixed in its place and deflated at the right pressure.

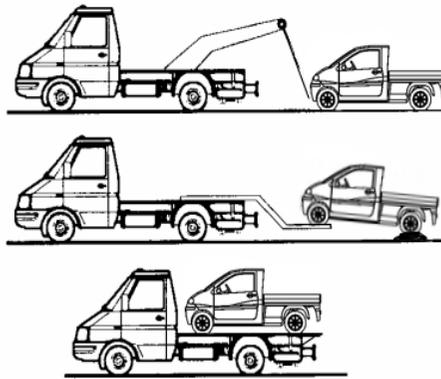
### ◆ Circles replacement

When you replace the circles be careful the new ones have the same diameter, section and axle of the original ones.



## IN CASE OF EMERGENCY

In case of long ways, transport the vehicle on a breakdown van or with the rear tyres lifted from the ground.



## IN CASE OF PUNCTURE



The spare wheel is housed on the left side of the vehicle under the body.

To pull out the spare wheel:

1. Unscrew the knob (1).
2. Pull out the spare wheel by letting it slide towards the rear part of the vehicle.

### Spare wheel (if present)

The vehicle can be equipped with a spare wheel having the same dimensions of the ones assembled on the vehicle. It is important to periodically check its pressure.

### Tyre replacement

If one tyre deflates, go slowly far from traffic and stop on a level ground for replacing it.

It is very dangerous to stop the vehicle among the traffic or near a road with an high density of traffic.



## CAUTION

Tyre replacement may be a dangerous operation. The vehicle may slide from the jack and run over someone. Follow scrupulously the instructions relevant to tyre replacement. Never go under the vehicle nor start the engine when the car is supported by the jack only.

## MAINTENANCE

	MONTHS KM																	
	5000	10000	15000	20000	25000	30000	35000	40000	45000	50000	55000	60000	65000	70000	75000	80000	85000	
<b>CONTROLS</b>																		
Engine oil* (1)	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Differential oil	C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	S
Brake fluid <sup>5</sup>	C	C	C	C	C	S	C	C	C	C	C	S	C	C	C	C	C	C
Cooling system	C	C	C	C	C	S	C	C	C	C	C	S	C	C	C	C	C	C
oil filter	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Air filter cartridge <sup>3</sup>	S	S	S	S	S	S	S	S	S	S	S	S	S	C	S	C	C	C
Gasoil filter	C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	C
Driving belt																		
Variator belt	C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	S	C	C
Alternator belt		C	C	S	C	C	C	S	C	C	C	S	C	C	C	S	C	C
Engine valve clearance							C							C				
Parking brake	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Compression control	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Shock absorber conditions	C	C	C	C	C	C	C	S	C	C	C	C	C	C	C	S	C	C
Braking groups and friction seals		C		C			C				C			C				C
Handing brake		C		C				C			C			C				C
Steering gear and suspensions		C		C		C		C		C		C		C		C		
Brake pipes and ducts		C		C				C			C			C				C
Variator pulleys		C		C		C		C		C		C		C		C		

### NOTES:

C= Control  
S= Replacement

\*1 An use particularly hard of the vehicle, for instance on mountain or dusty roads, causes an anomalous wear of the variator belt thus reducing the times of replacement foreseen. On the contrary, the use of the vehicle on a level ground, with the speed engaged and at constant speed, may favour a longer duration. Therefore it results that it is very important to change the belt every time that you have your car serviced.

\*2 If the vehicle is used in the presence of the following conditions, the engine oil and the oil filter must be replaced more frequently.

- a) Use on dusty roads or zones.
- b) Prolonged use at its minimum speed or at low speed.
- c) Prolonged use in the presence of low temperatures or frequent use for short ways.

\*3 If the vehicle has been used on zones very dusty or sandy, check and replace (if necessary) at shorter intervals compared with the ones indicated.

\*4 It includes the complete functional control of all electric components, that is to say: all lights, windshield wiper/washer (brushes included), electric window winder (if present), warning horn, etc.

\*5 Replace every year if the vehicle is used on mountain roads, if brakes are intensively used or if the vehicle is used in zones with high dump.

## MAINTENANCE

### ENGINE OIL

#### ◆ Recommended oil

Use the engine oil SHELL HELIX DIESEL PLUS 15W40. The capacity of the circuit is 2 kg.

The viscosity, or density, of engine oil influences both fuel consumption and engine working at low temperatures (starting and oil circulation).

An engine oil with low viscosity influences positively fuel consumption and engine performances at low temperatures.

On the contrary a too high room temperature needs an oil with high viscosity for a better lubrication.

#### ◆ Control of engine oil level

It is necessary to check the oil level almost at every 500 kilometres.

1. Check that the small car is on a level ground and that its engine has been turned off since at least five minutes.

2. Check the level on the gauge: it is correct when it is included between the notches of maximum and minimum.

3. If the level is near the minimum level, fill up with new oil but do not go over the notch of maximum

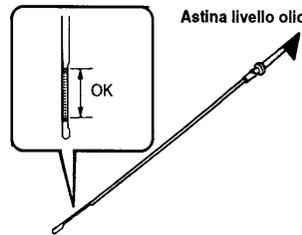
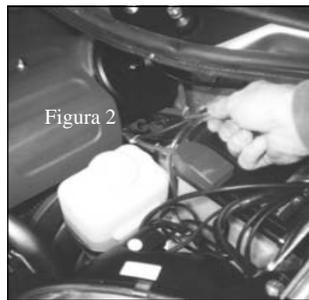
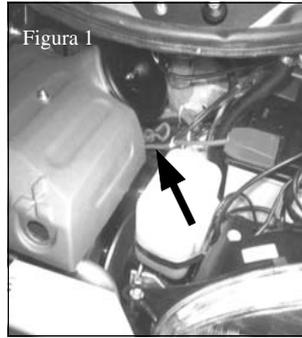
#### ◆ Replacement of engine oil and filter

The replacement of engine oil must be carried out every 5.000 Km or at least once a year.

The replacement of the filter every 10.00 Km.

**Dispose of the used oil according to law: pollution is a crime.**

1. Heat the engine for some minutes before turning it on
2. Remove inferior protection carter.
3. Remove drain and filling plugs and drain the oil by collecting it in a suitable receiver. **Oil and engine hot: be careful not be scorched.**
4. If you replace the oil filter:
  - A. Remove the oil filter from the engine by using the special key for filters:
  - B. Clean by means of a cloth the clamp surface of the filter on the engine and grease, by using a small quantity of oil on the rubber seal of the new filter.
  - C. Assemble the new original filter and tighten it (refer to filter label for the instructions relevant to its tightening).

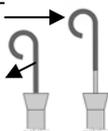


**WARNING**  
 INSERT THE OIL GAUGE WITH  
 STRENGTH (SEE PICTURE BESIDE)



NO!

OK



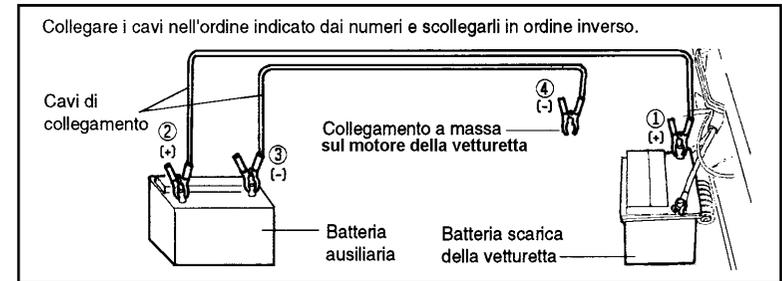
### WARNING

By inserting the oil gauge, be careful it is totally plunged in. For any doubt please look at image above. If gauge weren't inserted correctly, there could be a oil leakage, which could damage engine seriously.

## IN CASE OF EMERGENCY

### In case of emergency

1. The auxiliary battery must be 12 V and the negative pole must be earthed.
2. If the auxiliary battery is installed on an other car, be sure both cars don't touch each other.
3. Turn all electric devices off if not necessary.
4. Connect the cables as in the picture below.
5. First connect the ending part of the cable with the positive pole (+) of the discharged battery, then connect the other ending part of the same cable to the positive pole of the auxiliary battery.
6. Connect the ending part of the second cable to the negative pole (-) of the auxiliary battery and then connect the opposite ending of the second cable to a metallic part not paint.



#### ◆ Pushing start

The car is equipped with automatic transmission (variator) and it can be started neither by pushing nor by draft. Emergency start is allowed only with auxiliary battery according to the previous proceedings.

#### Draft

If your car needs to be drafted, we suggest you to call a Casalini Dealer or a car truck as well.

The car must be lifted and drafted carefully so that it can't be damaged. Anyway pay attention to the law in charge.

The car must be drafted with the front wheels right up from the ground. If it not possible, please use a draft truck.

If the car should drafted with the rear wheels on the ground, release the stationing brake. Don't connect the cable neither to the chassis or to a part, which could be moved by starting engine, NOR TO THE NEGATIVE POLE (-) OF THE DISCHARGED BATTERY. Be careful the clamps don't touch each other or they get in touch with any metallic part of the two cars.

1. start the safety car engine and let it turn for a few minutes. Then start the car engine with the discharged battery.
2. Disconnect carefully the cables according to the inverse proceeding (see the point 4 above).

### WARNING

Don't use a car cable draft truck: it could damage your car. Use only car trucks, which can lift the car wheels or equipped with flatcar you can load your car on.

## IN CASE OF EMERGENCY

### IN CASE OF EMERGENCY

#### Overheating

If the high temperature engine light is on **without STOP SYSTEM support** and the power engine has a loss in power, the engine could be overheated.

If so you should behave as follows:

1. Approach carefully to the roadway, put the select lever on the central position (transmission out) then insert the hand brake.
2. **If there is no leakage of coolant or steam**, turn the engine off.
3. **If there is a leakage of coolant or steam**, let the engine turn at minimum with the open bonnet so that it becomes gradually cooler. If the engine temperature shouldn't get down, turn the engine off and let it become cooler slowly.
4. When the engine is cool, check the coolant level. If such level were too low, check if there are neither piping nor radiator piping leakages or leakages from the warming plant; check also that the belt which moves both the water and radiator pump is in good condition.  
Check with warm engine if the electric fan of the radiator works correctly and nothing blanks the radiator.

In case you should find heavy leakages which led to overheating, don't restart the engine before being repaired by a Casalini Dealer. If everything is ok, refill the radiator with the coolant.

#### Emergency start

##### ◆ Start with auxiliary battery

It could be dangerous if you started with auxiliary battery if not asked. You are asked to follow the given instructions in the following page to avoid the car and the battery could be damaged.

### WARNING

- Emergency start is to avoid either if the battery is icy or the electrolyte level is too low: the battery could break or even burst.
- By working the battery produces hydrogen, which can burst. A battery explosion can cause severe injuries. Don't approach to it with flames, lighted cigarettes if cells are opened.

### WARNING

Use only a 12 V auxiliary feeder. If you should use a higher charging feeder, both the starting motor, sparking plugs and other electric components could be damaged.

## MAINTENANCE

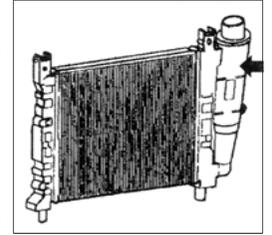
5. Reinstall correctly the drain plug once the oil has been completely discharged;
6. Fill up the engine with new oil until reaching the notch of maximum of the control gauge **without going over it**;
7. reinstall correctly the filling plug;
8. start the engine and check that there are no leakages near the filter;
9. after turning the engine off and waiting for some minutes, control again the oil level and, if necessary, fill up with new oil.

##### ◆ Engine Cooling system

The cooling system is of the model with radiator with electric fan. The cooling system is filled with a mixture at 50% of specific coolant and water, suitable for all seasons. Check frequently the level of the coolant and however at the beginning of winter and before leaving for very cold zones.

##### ◆ Control of coolant level

Check the conditions and the connections of all the ducts of the cooling system. Replace the ducts damaged or deteriorated. Carry out the inspection with the engine cold: with the engine hot or immediately after its turning off the level may increase considerably. With the engine cold, the fluid level must be higher than what indicated on the side of the expansion tank. The tank is a part of the radiator, situated on the right side of the engine. If the fluid level is lower than what indicated, fill up with specific anti-corrosion and antifreeze coolant so that the level reaches the correct level without going over it. If it is necessary to fill up frequently, have the cooling system checked by one of Casalini Concessionaries.



##### ◆ Replacement of coolant fluid

#### Dispose of the used fluid according to law: pollution is a crime.

Cooling fluid must be replaced every two years at least. The circuit must be refilled with 3,1 of mixture (50% Water) and SHELL GLYCOSHELL LONGLIFE..

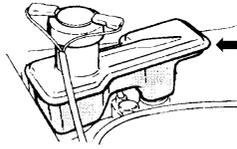
1. turn the tank cap anti clockwise and remove it.
2. Remove the lower radiator hose and collect the discharged fluid into a suitable box.
3. Rinse the radiator with water
4. Let the plant totally be discharged then replace the hose once again. Pour the mixture quite enough into the radiator (50% of coolant with red coloured inhibitors and water) to get the right protection against rust and antifreeze.
5. Let turn the engine turn at minimum with the removed filling plug. Fill the coolant in if necessary till the engine has reached the normal working temperature. Be careful not to be scorched. Install the cooling system cap. Check if there are no leakages and check again the coolant level in the filling plug.

## MAINTENANCE

### ◆ Check level brakes liquid

The brakes liquid is correct when it is to be found on the link line between the lower and the upper part of the filling plug.

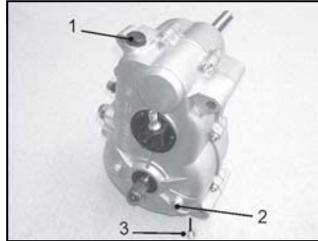
If the level is low, fill in after having cleaned around the tank cap zone, so that the liquid can't be contaminated itself. More you drive and more you consume liquid. You have to check periodically the brakes warning light on the dashboard; by pushing on the cap tank with the start switch on MAR you let the warning light on. Braking system must be replaced every 2 years.



### ◆ Differential inverter oil

#### ◆ Check differential inverter oil level

Let check the oil level of the differential inverter every 5000 km. at least. By turning the control tank cap (2) oil must be 30 mm. under the board. If necessary fill up with (1) the suitable oil.



#### ◆ Replacement differential inverter oil

##### Dispose of the used oil according to law: pollution is a crime

The replacement of the differential inverter oil must be carried out every 30.000 km at least. The group must be filled with 0,75 SHELL SPIRAX HD 80 W/90 oil.

1. screw both the fill plugs (1) and the drainage one (3) and dispose oil.
2. Reinstall correctly the drainage plug after having disposed oil.
3. Fill the differential inverter engine with new oil till the control cap is full (2).
4. Reinstall correctly the fill plug.

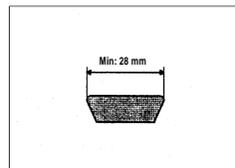
#### Maintenance of the automatic variator

The good car conditions depend not only on the engine but also on the good maintenance of the automatic variator.

Check by sight every 1000 km the belt and pulley status. If you go along dusty roads or mountain roads you should let clean the variator and replace the variator belt by a Casalini dealer every 30000 km at least.

#### ◆ Check the variator belt

Check the belt lenght it must not be longer than 28 mm. Just press slightly with a finger on the upper part of the belt: the flexion must be between 25 and 30 mm. On the contrary please call a Casalini dealer to check and replace it.



## WARNING

The variator is a tool in motion, before approaching check the car is off and it can't be started by chance.

In any case it is suitable to let it check by a Casalini dealer.

## IN CASE OF EMERGENCY

### “Stop System” device

The car is equipped with the “Stop System” to protect the engine in case of cooling and lubrication breakdown.

In case of failure of one of the two systems, STOP SYSTEM control stops the gas oil injection for a few seconds and the warning light turns on at the dashboard.

If one or both warning lights turn on and the rotation system or the engine breakdown, you have to stop the car immediately and stop the engine and ask for assistance.

The gearcase doesn't allow the car to be started if one of the two systems are breakdown.

### WHAT YOU HAVE TO CHECK IN CASE OF BREAKDOWN

#### Cooling system:

- ◆ Coolant level (refill in if necessary)
- ◆ Loosing of cooling system (C)
- ◆ Cooling fan by radiator (to be repaired only by Casalini Dealer)
- ◆ Thermostat fan (to be repaired only by Casalini Dealer)
- ◆ Coolant temperature probe (to be repaired only by Casalini Dealer)

#### Lubrication system

- ◆ Lubricant level (refill if necessary)
- ◆ Loosing of lubrication (to be repaired only by Casalini Dealer)
- ◆ Oil pump (to be repaired only by Casalini Dealer)
- ◆ Oil pressure probe (to be repaired only by Casalini Dealer)

After a “Stop System” reparation, it is suitable to call a Casalini authorized Dealer, to check and repair the failure.

### Warning

“STOP SYSTEM” could be started if there were some coolant leakages or oil at minimum. Engine could stop while you brake or you turn and it could be started again with probably the same problem as well. First of all have a look at the paragraph “IN CASE OF BREAKDOWN” before searching for other causes concerning the problem mentioned above.

## HOW TO USE THE CAR

### Suggestions and information about driving

Suggestions and information about driving

#### ● Drive in presence of dangerous conditions

When you drive in presence of adverse environmental conditions, as for instance in presence of ice, snow, rain, mud or other, respect the following instructions:

- reduce speed and maintain a longer safe headway;
- avoid to brake or steer abruptly;
- brake gently without keeping the pedal pressed;
- for improving the starting traction, place under the rear tyres any object or material available that can reduce the sliding (sand, gypsum, chains, carpets or other) and press gently the accelerator;
- after passing on a flooded path, dry the brakes by pressing lightly and repeatedly the pedal by driving at low speed.

#### ◆ Drive during winter

- During winter months, it is advisable to keep on board a series of equipments useful in case of emergency caused by environmental conditions, such as: snow chains, a scraper for car windows, a shovel, some cables for the battery, a bag containing sand or salt.
- Check that the percentage of antifreeze inside the coolant is sufficient.
- Check that the battery and its relevant cables are in good conditions. Seeing that cold reduces battery capacity, always check that this one is perfectly efficient.
- Check that engine oil has a viscosity level suitable for low temperatures.
- Use a specific antifreeze fluid for the windscreen washing system: it is absolutely forbidden to use engine antifreeze.

#### ◆ Snow tyres

When you need to assemble snow tyres, it is advisable to assemble them on all four tyres. Check that they are inflated according to the pressure foreseen.

#### ◆ Snow chains

To install the chains please check the foreseen prescriptions.

#### ◆ Snow chains assembling

Follow the instructions given by the chains manufacturer. Before assembling the chains remove the hub-cap disks because these ones could damage them. Fix the chains on the front wheels firmly; fix them once again after 500 m—1 km.

### Warning

The snow tyres must belong to the same kind and dimensions of the normal ones otherwise you can have problems with the roadholding and the car safety.

### Warning

You are allowed to assemble snow chains only for *135/70 R 13* tires.  
Use only chains for front truck Brand KONIG type T2 o Y.

## MAINTENANCE

#### ◆ Control of windshield washer fluid

Check frequently the level of windshield washer fluid and fill it up when necessary. If you have not at your disposal a specific fluid, it is possible to use pure water. Nevertheless, in presence of low temperatures, it is necessary to use solutions with anti-freeze windshield washer fluid.



#### ◆ Check the parking brake

Check frequently the hand brake system. The parking brake must immobilize the car on serious uneven grounds. If the lever stroke is too long, let set the Bowden control cable by a Casalini dealer. Parking brakes must normally be set with a 3-6 strokes.

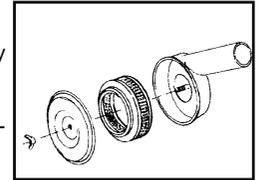
#### ◆ Air filter

This car has been equipped with a paper cartridge. This kind of filter can be cleaned and used once again; anyway it must be replaced if necessary with an original Casalini spare part. In any case the filter must be replaced.

#### ◆ Air filter cartridge cleaning

Clean periodically the air filter, once a year at least. If you used the car mostly on sand flogging roads, you should clean it more frequently.

1. release the pins of the filter cap.
  2. Take the cap away and take the filtering mass, than clean it with compressed air.
  3. Dry and clean the filter inside using a wet cloth.
- Set it again inverse.



### Warning

In case of organ in movement check that the car is off and it can't be restarted even by chance.

## MAINTENANCE

### Replacement of gas oil filter

The filter must be replaced every 10.000 km.

1. Remove the filter by extracting it from its forked support.
2. Install a new filter of the same type.

### Air discharge from the feeding system

The engine is provided with a device that carries out automatically the air discharge from the feeding system: it is sufficient to place the key in MAR for about one minute before starting the motor. In case you should have no more fuel after having refuelled and this device doesn't work, you should clean it as follows:

1. bring the start switch in MAR position to feed the gasoline filter
2. loosen the breathing screw and, after the air has escaped screw again the breathing screws.
3. loosen the breathing screw on the pump of injection (you see figure) to let the air go out from the pipe of the gas-oil and from the pump of injection.
4. The air in the pipes of injection and in the nozzles is automatically expelled by turning the start switch or let the start key in MAR position for about 2 minutes. It is not suitable to keep the starting key in MAR position without starting for 2 minutes because of the damage of some electric parts.



### ◆ Windshield wipers

#### Maintenance of the wipers

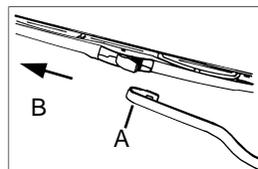
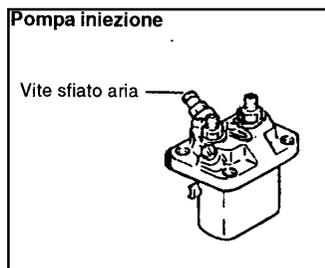
Both contamination of the crystals and the windshield wipers caused by extraneous elements, can reduce the effectiveness of the wipers themselves. The principal causes of contamination are represented by the bugs, from the resin of the trees and from the treatments of heating waxen used by some carwashes. Clean the crystal and the wipers using a product for cleaning of good quality or a delicate detergent than rinse with clean water. Repeat more times if necessary.

#### Substitution of the front wipers

1. lift the arm of the wiper perpendicularly to the glass.
2. get free the hook of attack (A.) of the wiper with a pressure forward (B).
3. install to pressure the new wiper in inverse way in comparison to the dismantlement of attack on the arm.

### ◆ Substitution of the rear wiper

1. lift the arm of the wiper perpendicularly to the glass.
2. get free the hook of attack (C of the wiper with a pressure upward (D).



## Warning

When you replace the wiper be careful not to damage the windshield, in particular if the arm has no wiper at all.

## HOW TO USE THE CAR

### Kind of Fuel

Use only gas oil class "A".

### Before starting

#### ◆ Before getting into the car

- Check that all windows, outside dipping mirrors and lights are clean and intact.
- Check that tyres are in good conditions.
- Check that there is not any trace of liquid leakage under the vehicle.
- Check that body boards are well closed.
- If you need to engage the reverse gear, make sure that there are no obstacles behind the vehicle.

### Before starting

- Close all car doors.
- Adjust the seat so that it is possible to easily reach controls.
- Adjust both the inside dipping mirror and the outside ones.
- Fasten your safety belts.
- Check that all lighting systems work correctly.
- Check that all instruments work correctly.
- Check the correct working of all emergency indicators by means with the starting switch in MAR position.

For an optimal use of the small car, it is necessary to become familiar with the installations whose it is provided with.

### Starting

- Check that the parking brake is engaged and put the transmission selecting lever in neutral (in the middle).
- Turn the key into the starter by putting it in MAR position: the warning light of the spark-plugs lightens.
- Wait for the switching off of spark-plugs warning light then turn the key into the starter in AVV position without pushing the accelerator pedal.
- As soon as the engine starts, release the key and, with the engine at its minimum speed, put the transmission selecting lever in one of two running position (forward or back).
- Release the parking brake and check that the relevant indicator switches off.
- Push the accelerator pedal for moving the vehicle.

### Running-in

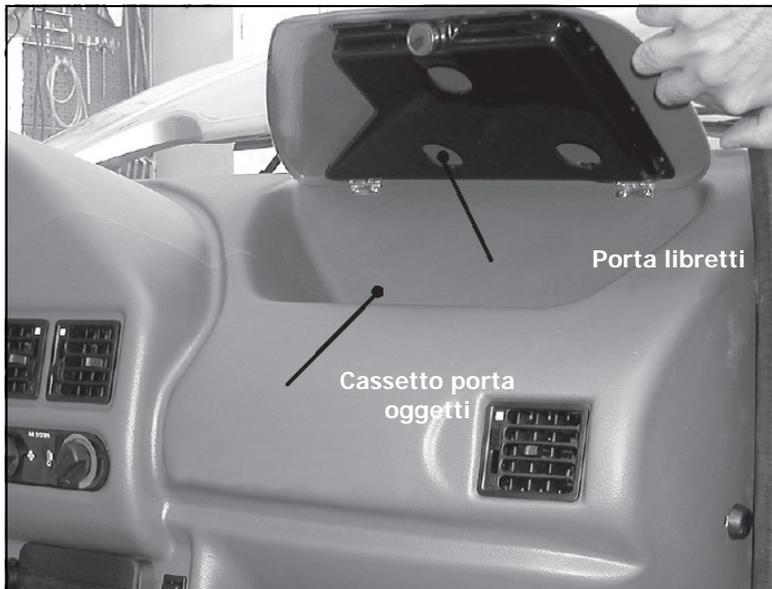
The vehicle does not need any special period of running-in.

But it is advisable to follow some instructions for the first 1500 kilometres: in this way, besides car performances, it will be possible to optimize also car working cheapness and its life.

- Do not race the engine.
- Do not travel for long distances at car maximum speed.
- Do not push the accelerator completely in case of long slopes.
- Often change the running speed.
- Avoid to brake abruptly except in case of emergency. This will lead to a correct brake adjustment.
- Don't start at the car maximum speed.

## KNOW THE CAR

### Objects Holder



## MAINTENANCE

### ◆ Battery

The battery used is so called "without maintenance" and it doesn't need to be refuelled with distilled water. The level of electrolyte with the car in a flat position must correspond to the battery layout. To perform the battery at best you have to follow the instructions below:

- Be careful the battery is well fixed
- Be careful the inferior part of the battery is always cleaned and dry
- Be careful both clamps and terminals are always cleaned and firmly connected. If necessary you should cover the terminals with a specific fat.
- Please wipe any trace of electrolyte by using a mix of water and soda
- If you don't use the car for a long time, it is better to disconnect the cables.

### ◆ Circles and tyres

To get the best performances, highest safety and the lowest fuel consumption, the tyres must be inflated at the suitable pressure and the admitted weight is respected.

### ◆ Tying pressure

Tyre pressure must be carried out (together with the sport tyre) almost monthly with cold tyres. If the tyre pressure is good you can drive better and tyres aren't damaged so much. See the pressure table in the section "Characteristics and Technical Data".

### ◆ Tyres rotation

To let the tyres be consumed uniformly let it swing every 10.000 km. Check also the tyres aren't damaged or consumed in an anomalous way. Because of an uncorrect tyres deflating or an uncorrect wheels alignment or sudden brakes tyres can be damaged in an anomalous way. After rotation be careful to check the tyres pressure according to the specified values, check also the wheels tightening is correct.

### ◆ Tyres replacement

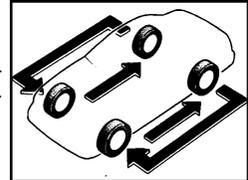
When the tyre is consumed uniformly a continuous band is to be seen crosswise. In case the tyre should be damaged ununiformly, it must be replaced before the band appears.

### ◆ Spare tyre

Check the spare tyre almost once a month to be sure it is well fixed in its place and deflated at the right pressure.

### ◆ Circles replacement

When you replace the circles be careful the new ones have the same diameter, section and axle of the original ones.



## KNOW THE CAR

### TAILBOARD

#### Closing / opening board:

1. Release the locks at the end of the board
2. Lower the board softly downwards
3. Do the same by closing.



### WARNING

#### You can allowed to load at least 200 KG.

In case of overloading, the vehicle could be damaged and the driver could be a-mended according to the law.

### WARNING

The vehicle is equipped with 200kg metal rims each board. Because of the material the rims are made of it is not suitable to use them on uneven roads, strong collision could break the metal rims. If you don't respect such indications you could damage seriously the vehicle and cause injures to the passengers and people nearby. **Casalini srl doesn't keep any warranty if you shouldn't respect the instructions mentioned above.**

## MAINTENANCE

### Rear lamp replacement

1. Unscrew the screws that fix the transparent part from the outside and remove it.
  2. Remove the interested lamp, with bayonet joint, and replace it.
  3. Reinstall the transparent part by means of the screws.
- A: Direction indicator lamp: 12V-21W.  
B: Stop light lamp: 12V-21/5W.  
C: Position light lamp: 12V-21/5W.  
D: Reverse gear lamp (right side) or rear fog light lamp (left side): 12V, 21W.



### ◆ Fog light / rear light and rear gear light replacement

1. extract the lamp from its own base by unscrewing the two lateral screws M6
2. Remove the lamp wires system
3. Extract the lamp holder
4. Replace the lamp. Set it up again on the reversal.

## MAINTENANCE

### Maintenance

#### Ventilation maintenance

The ventilation system needs no maintenance at all.

In case of troubles you have to contact a Casalini dealer to let the car be checked.

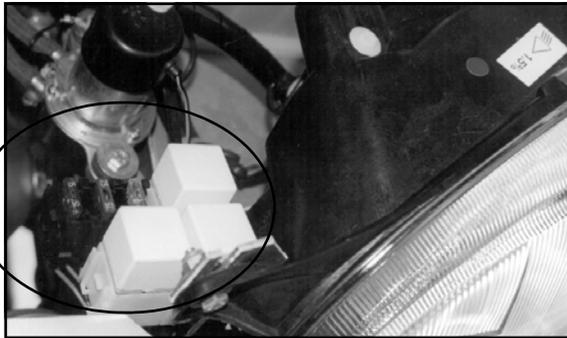
If the ventilation system doesn't work in the right way let it check by a Casalini dealer if there were some leakages of the coolant system\*

#### Warning!

The cooling system needs coolant liquid R134a and in case of sudden leakages it respects the environment. Just avoid the use of R12 liquid, which can't fit with the

If the ventilation system doesn't work in the right way let check the fuses status of the ventilation system as well. You can find the fuses inside of the engine box near the left lamp. Anyway contact a Casalini dealer.

#### Fuses and relays of the ventilation system



#### \*Information

For assistance to the ventilation system you can call the DELPHI ITALIA AUTOMOTIVE SYSTEM s.r.l.— DAVIA AUTO AIR CONDITIONERS ASSISTANCE SERVICE —

## KNOW THE CAR

### • Body lighting

You can find it, between the two shunting line lights, above the windscreen and it turns on/off automatically when you open or close the car doors.

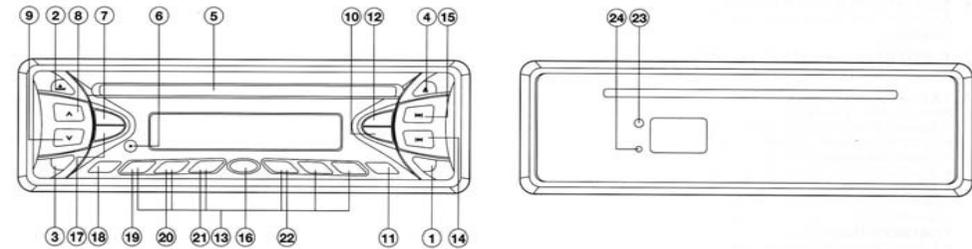
When the doors are closed it is possible to turn overheadlight on or off with the suitable switches. Every single spot is moved by the side switches. The central spot turns the lights on when the doors are opened, if you push it leftside it turns the light on independently, on the contrary if you push it rightside it opens the doors.



### Auto Radio ( AUDIOLA SCD 867 MP3/120)

Only for those models you can set it up

#### POSIZIONI DEI TASTI E FUNZIONI



- |                                    |   |
|------------------------------------|---|
| 1. Tasto Power (PWR)               | 13. Tasti Preselezione                          |
| 2. Tasto Release (▲)               | 14. Tasti Sintonia/Ricerca Traccia DOWN (⏮)     |
| 3. Tasto AF/REG (AF/REG)           | 15. Tasto Sintonia/Ricerca Traccia UP (⏭)       |
| 4. Tasto Espulsione Disco (▲)      | 16. Preselezione Scan/Auto Memorizzazione (AMS) |
| 5. Vano CD                         | 17. Tasto PTY (PTY)                             |
| 6. Tasto Display (DSP)             | 18. Tasto TA (TA)                               |
| 7. Selezione Modo (SEL)            | 19. Tasto Pausa (PAU)                           |
| 8. Tasto Volume UP (▲)             | 20. Tasto SCN (SCN)                             |
| 9. Tasto Volume DOWN (▼)           | 21. Tasto RPT (RPT)                             |
| 10. Tasto Mode (MOD)               | 22. Tasto SHF (SHF)                             |
| 11. Tasto EQ (PEQ)                 | 23. LED Antifurto                               |
| 12. Tasto Banda/Loudness (BND/LOU) | 24. Tasto Reset                                 |

#### Autoradio:

Follow the manual instructions how to use the autoradio correctly ( if the autoradio is mass-produced).

#### Autoradio Kit

Every Ydea Car is equipped with autoradio kit and loudspeakers:

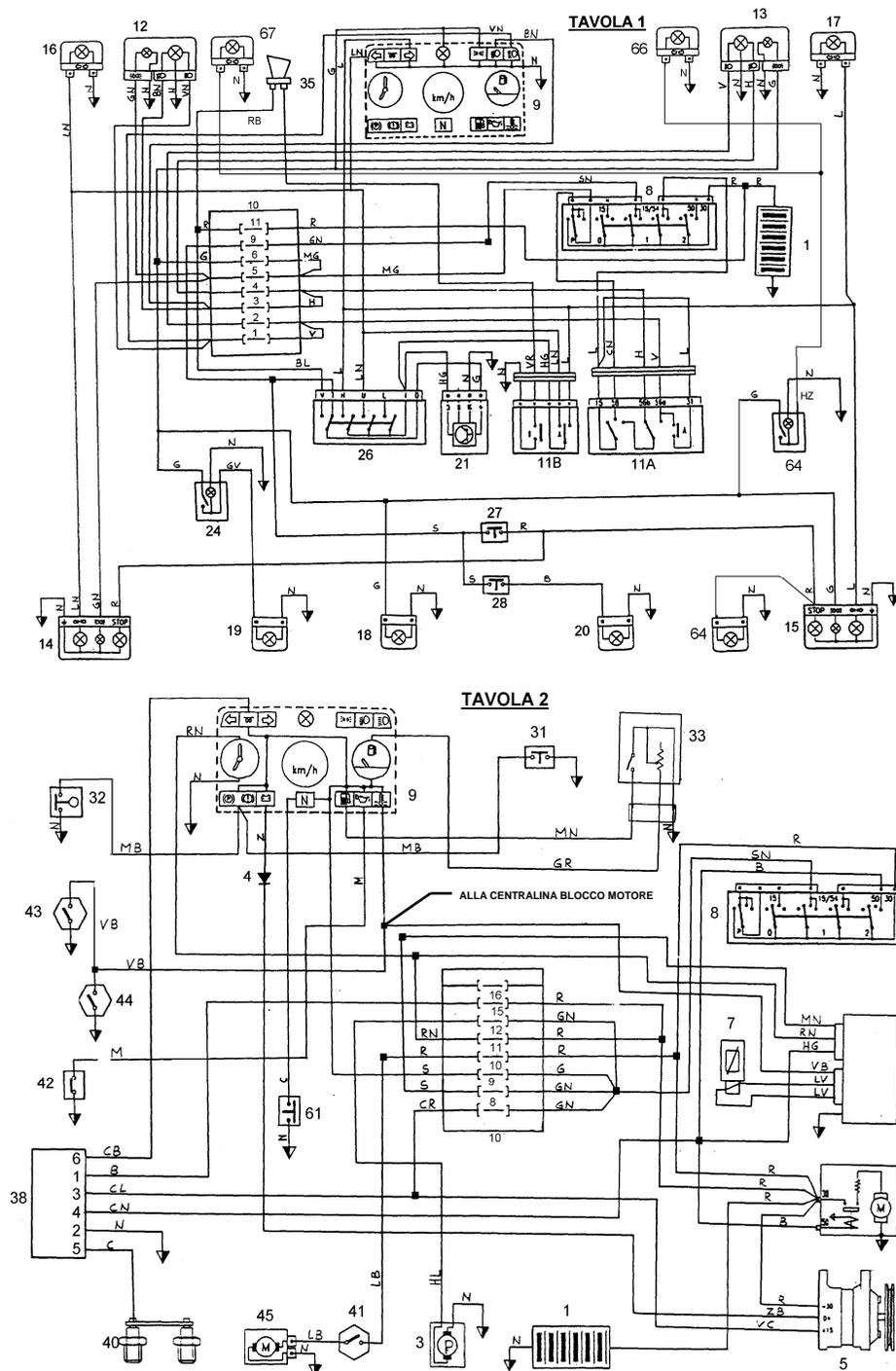
Auto Radio is available only for the following radios:

- **Audiola** (only with ISO connectors)
- **New Majestic** (only with ISO connectors)

If you don't respect the indications mentioned above, there's no more warranty and both electric system and loudspeakers could be seriously damaged.



## MAINTENANCE



## KNOW THE CAR

### Locking Doors

#### ◆ Door locking from the outside

- Every door can be locked or unlocked by the means of the main key.
- Turn the key towards the front part of the car to unlock the lock, turn it towards the rear part of the car to lock it.

- Once locked, the door can be opened by pushing the button on the handle.

#### ◆ Door locking from the inside

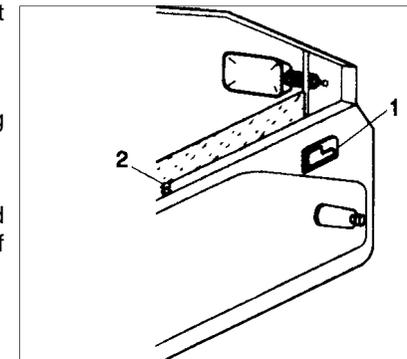
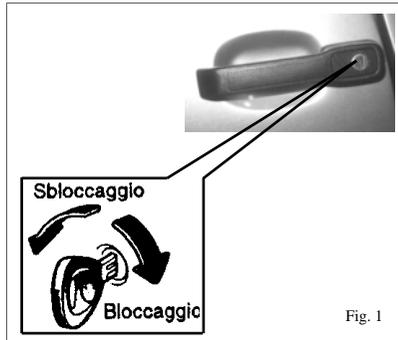
- To lock the door, push downward the relevant knob (2)
- To unlock the door, pull the knob upward.
- Once locked, the door can be opened by pulling the handle (1) upwards.

#### ◆ Central locking (if foreseen)

The doors can be automatically locked or unlocked from the outside by locking or unlocking by means of the key of one of two front doors.

#### Central locking with remote control (if foreseen):

remote control both the central lock and unlock of both doors.



### WARNING

NEVER LEAVE THE KEYS AND THE REMOTE CONTROL INSIDE THE CAR.  
The central locking locks the doors when the battery is connected. If the battery would be detached and reattached, you could risk of closing the keys inside the car.

## KNOW THE CAR

### Dipping mirrors

#### Outside dipping mirrors

To adjust the position of the outside dipping mirrors, move the level (1) on the door. You can find the mirror on the passenger's side only on some cars.

#### Day/Light inside dipping mirror

Adjust the inside mirror so that the field of vision is right in the middle in the rear window.

Carry out the adjustment by means of day/night level on day position.

Push forward the lever to drive during the day. Push backwards the lever to drive during the night in order to reduce the dazzling effect of the lights of vehicles behind you.

### Window winder

#### Manual window winder

Turn the handle (2) forward in order to lower the window. Turn it backward to close it.

#### Electric window winder

Electric window winder only work when the starting switch is on MAR position.

Windows can be opened or closed by the switches, which are to be found in the tunnel central point: the left switch let move the window on the driver's side, the right one let move the window on the passenger's side.

If you want to open or close the window, push the inferior and upper part of the switch as indicated.

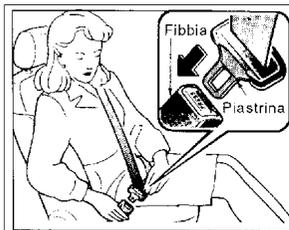
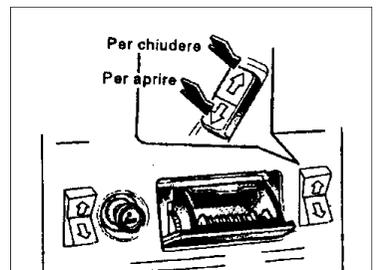
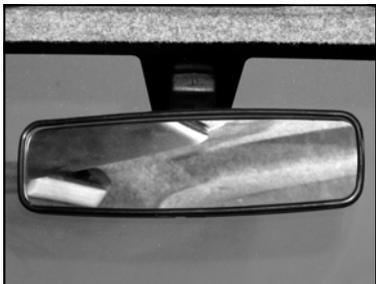
### Safety belts

#### To fasten the belt:

1. Fasten the buckle and the plate.
2. Pull softly the belt
3. Insert the plate inside of the buckle's opening till you can hear the tick.

#### To unfasten the belt:

Push the switch to unlock.



## MAINTENANCE

TAVOLA 2A

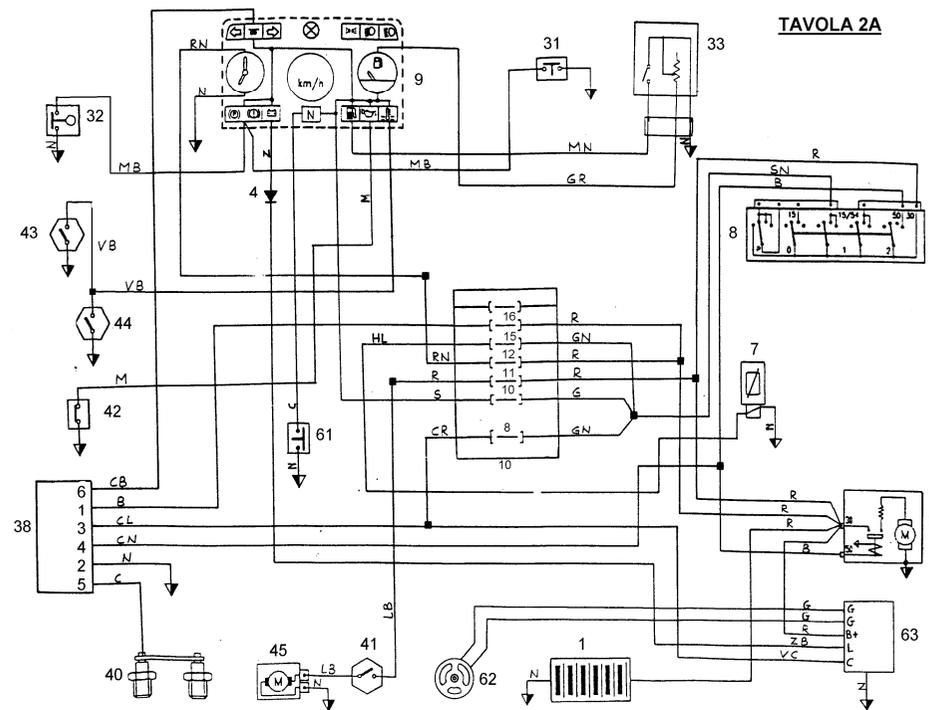
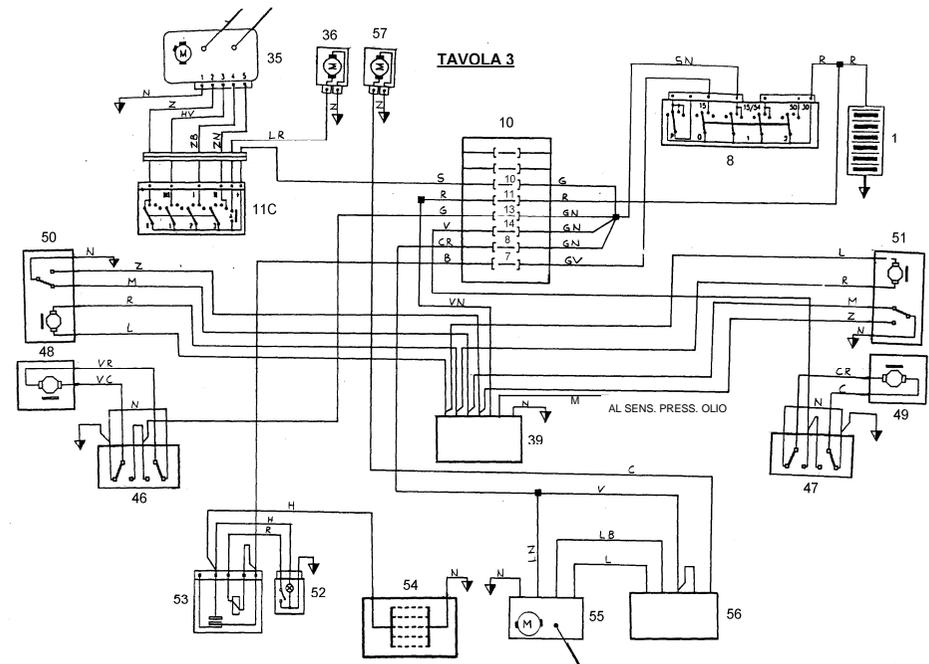


TAVOLA 3



## MAINTENANCE

### Lamp replacement of the front optical groups

The optical group of this car has both the double switch dipped beam and main beam warning light and the position light (on the rear part of then lights system) and the direction indicator (in the inner part of the lamp)

#### ◆ Lamp replacement

1. Open the bonnet
2. Extract the connector and the wiring from lamp base; remove the protection cover of the baffle-glass inside headlamp.
3. Release the retaining element of the lamp by pushing it downward by rotating it; then extract it.
4. Remove the lamp from the lamp-holder.
5. Insert the new lamp (12V, H4) so that the positioning dowels on its base insert themselves into the slot on headlight baffle-glass inside headlamp.



#### Replacement of front position light lamp

1. Open the bonnet
2. Remove the position lamp from the lamp-holder.
3. Remove the lamp from the lamp-holder
2. Insert the new lamp (12V, 5W).

#### ◆ Check light alignment

1. place the car with no loads inside and the tyres well deflated, on a flat surface against the white display in the twilights.
2. With the front bumper in contact with the panel, tick the marking line between the dark and the lighted side
3. go the car 10 meters backward and with the main dipped beam lights on, set the lights up with the screw till the new marking line is 15 cm. lower than the first one (inclination 1,5%)

To set the lamps up in High turn the screw on the rear part of the system control.

Please set always the lamp inclination with the suitable screw (5). For some models it is also possible to set the lamps asset by using the electric regulation on the dashboard.

#### ◆ Front director indicators lamps replacement

#### ◆ Front direction indicator

1. Open the engine box
2. Release the lamp holder from the director indicator reflector.
3. Remove the lamp from the lamp holder
4. Insert the new lamp (12V, 21 W) and insert the lamp holder turning it properly.

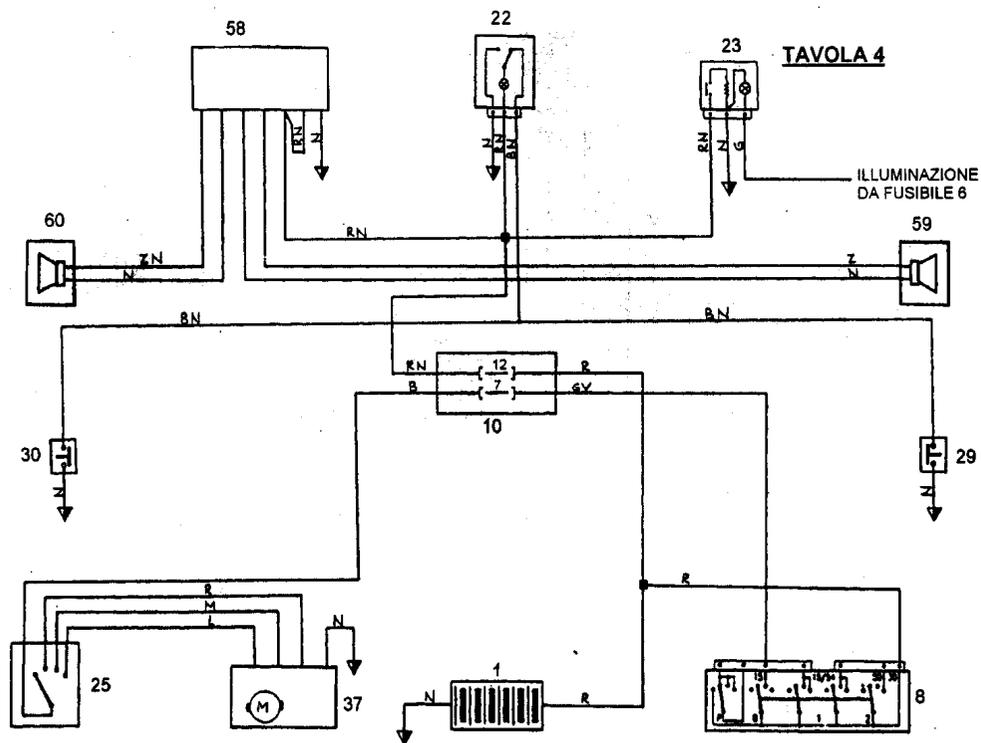
## KNOW THE CAR

### Objects Holder

Your car is equipped with various objects holders. Below you can see where they are to be found.



## MAINTENANCE



## Know the car

### WHEEL

#### ◆ Warning horn

To operate the warning horn, push completely the button situated in the middle of the wheel. Check periodically the efficiency of the warning horn.

#### ◆ Lights

To switch the lights, turn the button at the end of the lever (1) of the light control on the very left side of the steering column.

##### First click (A)

Front beam lights and rear beam lights, dashboard, beam lights, plate light turn on.

##### Second clic (B)

Lights turn on.

Turn the lever downwards (C) to switch the main beam lights. Turn it upwards to switch the dipped beam lights. There are two indicators on the dashboard, they turn on alternately according to the lights on: green coloured for dipped beam lights and blue coloured for main beam lights.

#### ◆ Flashing lights

Pull towards the Wheel the little lever of light control to switch temporary the main beam light, either with lights on or off. The warning main dipped beam light turns on at dashboard (blue coloured) for all the time they are on.

#### ◆ Direction Indicators

To indicate a change in your direction of travel or a change of lane, move upwards the little lever situated on the left (2) of the steering column (turn on the right) or downwards (turn on the left). Move the lever until reaching the stroke end in case of change of direction: once carried out the the turn, the little lever will automatically come back to neutral position and the relevant indicator will go off.

#### ◆ Windscreen wiper

It runs when the starting switch is in MAR position.

There are three possible downwards operations:

- A. Intermittent working
- B. Normal working
- C. Fast working

#### ◆ Windscreen washer

It runs when the starting switch is in MAR position.

Pull towards the wheel (D) the little lever of windscreen wiper control and keep it pressed for spraying the fluid on the windscreen. If the windscreen washer daen't run, check fluid level.

#### ◆ Rear Glass wiper

It runs when the starting switch is in MAR position.

The lever must be turned downwards, the wiper will start working (one Speed run).

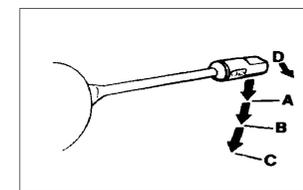
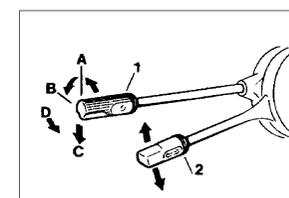
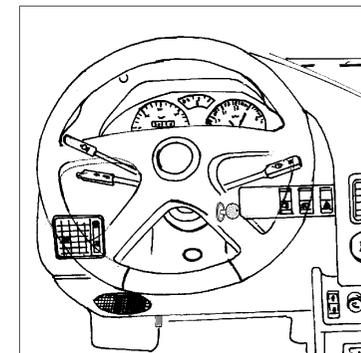
#### ◆ Rear Glass washer

It runs when the starting switch is in MAR position.

Push the lever of windscreen towards the dashboard (E) and keep it pushed to spray the fluid on the windscreen.

**Pay attention:** if the glass washer didn't work, you should check the liquid level.

In case the level liquid is correct, you should call an authorized Casalini Dealer.



## KNOW THE CAR

### Air conditioning (if foreseen)



Air conditioning system is manually adjustable.

#### Controls

A– Knop to connect/disconnect conditioning air system.

B– Panel for air recycling.

C– Knob to regulate air temperature (mix warm/cold air) ←

D– Knob for Ventilation system

#### Cooling system

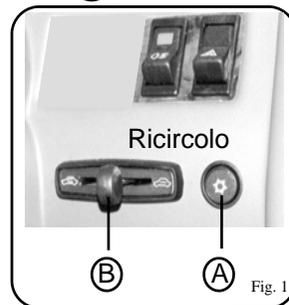
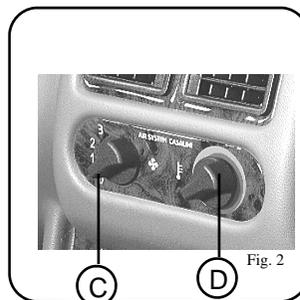
to get cool air you have to turn the knob toward the blue sector (D)

Push the button to let the cooling system start (A)

Push the recycling control (B) towards the very left side

Point the ventilation knob (C) to get the air speed you wish.

To reduce the cooling you have to point the recycling control (B) towards the very right side, if you want to get an higher temperature you have just to use the Knob (D), to reduce the air speed just use the Knob (D).



#### Check cooling and air conditioning

If both air conditioning and temperature control (at Minimum) are on, the temperature of the outgoing air depends both on the outdoor temperature and how you use your car. Here under we give some an exemple how to use it in the correct way:

Outdoor temperature: 34°, recycling air on, the car hasn't been driven at minimum for 10 minutes, the outgoing air temperature at openings must be less than 18° (on the second speed). For further details please contact a Casalini Dealer as well.

#### \*WARNING

The recycling system let the air in Sommer become cooler in a shorter time. It is useful under heavy pollution conditions (e.g. in queue, by galleries and so on). We suggest you not to use it for a long time because it doesn't let the air to be recycled inside the car.

#### WARNING

The manual air conditioning system is very useful to demist, because of the air dehumidification. You have only to regulate the button to demist and let the conditioning system start by pushing the button.

#### WARNING

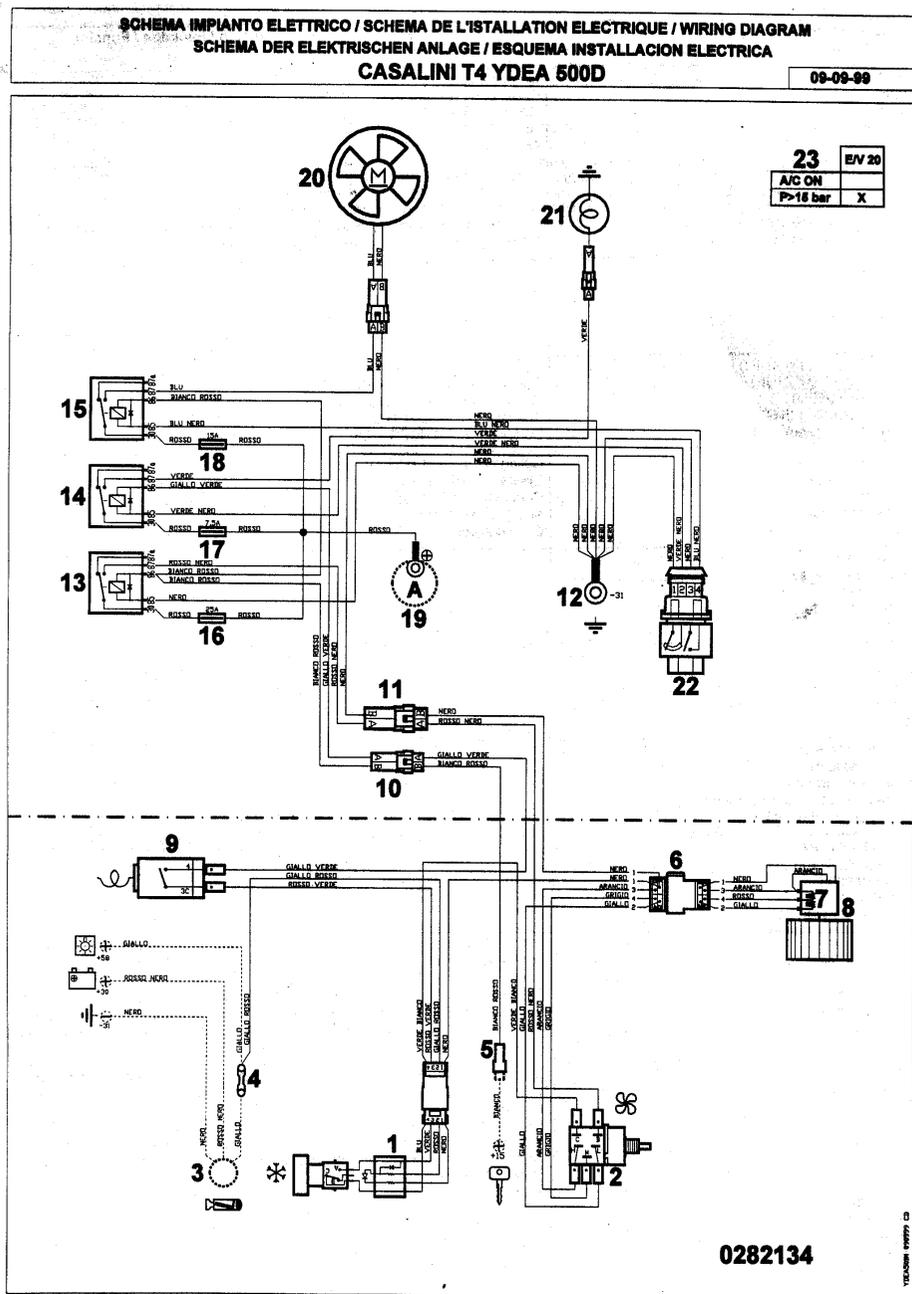
In case you should drive in the mountains we suggest you to disconnect the air conditioning system to get a better car performance. When the variator is released, it could be noisy.. **THIS IS NOT A DEFECT.**

## MAINTENANCE

### Electric System: Ventilation

N.	Description	Target
1	Switch cursor A/C	Relay control n. 4
2	Ventilation selector (3 speed)	Electrofan n. 8 and switch cursor A/C
3	Ashtray	
4	Junction Raychem (RED)	Connector with + LIGHTS (+58)
5	Connector 1 way	Connector + KEY (+15)
6	Connector 4 ways	
7	Resistor	
8	Electrofan in the body	
9	Antifreeze thermostat	
10	Connectors 2 ways	Connector with engine box with electric system inside the car
11	Connectors 2 ways	Connector with engine box with electric system inside the car
12	Mass point	
13	Relay switch 25-30 A	Electrofan control inside the car
14	Realy switch 25-30 A	Electromagnetic junction compressor
15	Realy switch 25-30 A	Electrofan control
16	Fuse 15 A	
17	Fuse	
18	Fuse 25 A	
19	Alternator	
20	Electrofan	Coolant condensator
21	Electromagnetic junction compressor	
22	pressure switch	Plant protection A/C
23	Working logic electrofan n.20	

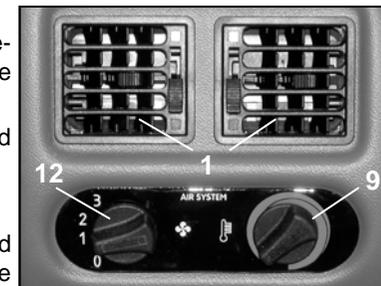
# MAINTENANCE



# KNOW THE CAR

Heating and ventilation system includes:

- a three position knob selector (12) for starting and selecting the speed of the fan, which is situated on the central part of the dashboard;
- a knob for adjusting the temperature of the air emitted (9), situated under the selector (12);
- a knob for adjusting the air ventilation (16).
- twelve air openings on the dashboard: eight fixed higher openings (6) and two adjustable ones on the front part (1).



## ◆ Higher openings

These eight openings allow to point the air towards the windscreen in order to defrost and demist it.

## ◆ Front openings

Each of four front openings can be opened or closed by the wings it is made of, as the wings can let the air in as you wish.

Openings can be 360° turned ..

## ◆ Heating adjuster

The control (9) adjusts the air temperature of the heating system. When the knob indicates the blue part the heating is close, while when it indicates the red part the maximum temperature is obtained.

## ◆ Air Adjuster

If we turn the control we can point the air towards the windscreen, the front openings and the driver and passenger's feet.

## KNOW THE CAR

### Service switches

#### Emergency lights (22)

When it is necessary to stop or park in emergency situations, push the button (22) in order to signal it to the other vehicles around: all direction indicators will flash and their warning lights will lighten intermittently on the instrument panel. The emergency lights can be always operated.

The emergency lights are useful for signalling to the other vehicles around that your vehicle is motionless or it is proceeding very slowly.

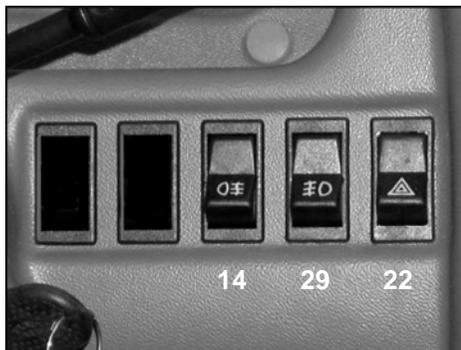
Therefore these indicators must be operated every time that you stop your vehicle close to the carriage-way hem or when it is parked in a manner that may hold up the traffic.

#### Rear anti-fog lamp (14)

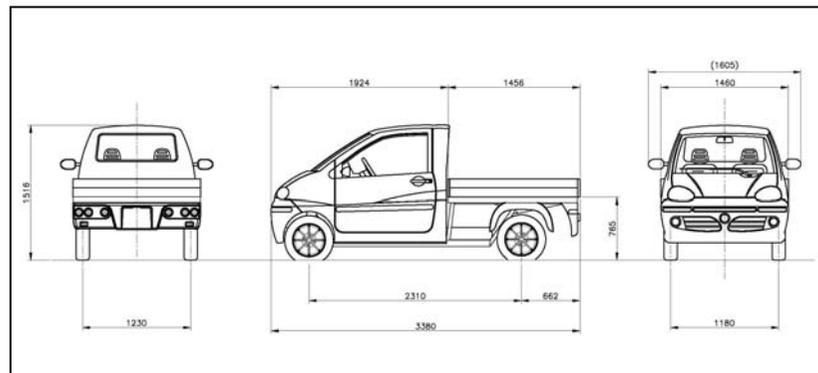
To switch on the rear anti-fog lamp, lead light control to second position and push the button. The warning light on the switch lightens.

#### Fog light (29)

To switch on fog lights push the button (29), the relevant warning light lightens in order to remind you they are switched on.



## CHARACTERISTICS AND TECHNICAL DATA



### Fluids and lubricants

Lubrifiant	Type
Engine oil	SHELL HELIX DIESEL PLUS15W40
Differential/reverser oil	SHELL SPIRAX HD 80W90
Engine coolant	SHELL ANTIFREEZE
Brake fluid	SHELL BRAKE FLUID DOT4

### Capacities

Engine oil	2 Kg
Differential/reverser oil	0.75 Kg
Coolant ( 50% mixture with water)	4.4 l
Braking circuit	0.25 l
Fuel tank	20 l

### Engine

Type	mitsubishi L2C
Cylinder n.	2
Alesaggio x corsa	70mm x 70mm
Cubic capacity	538 cm <sup>3</sup>
Feed	Indirect injection
Fuel	Gas oil
Power	4 KW

### Performances

Maximum Speed Km/h	according to law
Consumption Km/l	33 ca.
Range Km	750 ca.

### Electric system

Battery	Exempt from maintenance 12V - 80A - 34Ah
Alternative battery	Exempt from maintenance , 12V - 260A - 44Ah
alternator	12V - 40A
Starting engine	12V - 1.0 KW

# CHARACTERISTICS AND TECHNICAL DATA

## Other characteristics

Body	2 reinforced polyester resin doors with glass fibres and ABS
Structure	Treated tubular steel chassis with cathode electrophoresis coating
Suspensions	With independent tyres Mc-Pherson system Independent tyres with longitudinal trees
Brakes	Disk brakes Disk brakes
Transmission	Automatic transmission with ratio
Traction	Continuous variator

## Weights

Technically admitted weight	630 Kg
Technically admitted weight	360 Kg
Maximum weight admitted on the body	335 Kg
<b>Going over the values admitted may also cause serious damages to vehicle structure with possible consequences also for the persons inside</b>	

## Lamps

Lamp	Power (Watt)
Lights	Dipped beam / main dipped beam 4H
Front position lights	5
Front indicator lights	21
Rear direction indicators	21
Rear position lights	5
Braking lights	21
Rear lights	21
Rear fog lights	21
Inner body lights	10

## Tyres

135/70 R 13		Front tyres	Rear tyres
Inflation pressure (Kgf/cm <sup>2</sup> )	Normal	1.8	1.3
	Full load	2.0	2.0

# KNOW THE CAR

## Inverter level

Inverter level has got three positions:

**N**

It is the neutral parking position. A light switch on the dashboard let us know the gear puller is in neutral position.

**D**

When we push the gas pedal the trasmission runs. It is the normal driving position with the driver. If you should stop for more than ten seconds, it would be suitable to put the gear puller on neutral position(N), so that trasmission can't be damaged or the engine can be suddently turned on.

**R.** Trasmission runs and the car goes in riverse when we push the gas pedal (we use especially when we have to park).



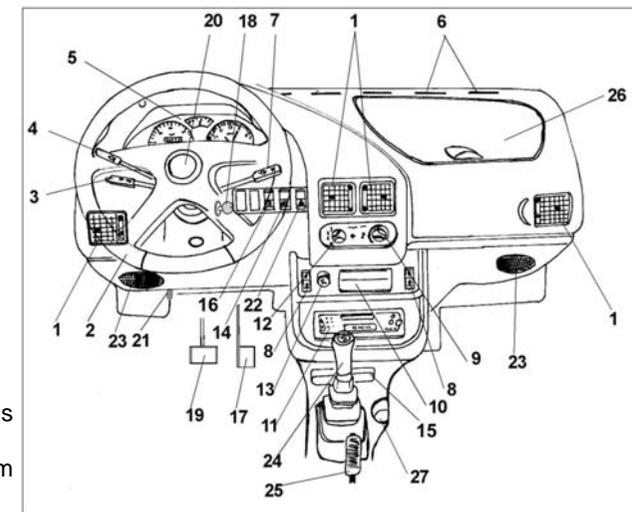
## WARNING

**The gearpuller must be handled when the car doesn't go, the braking pedal is on and at lowest gear.**

Please avoid to handle the gear puller when the engine is off, the trasmission could be damaged. To insert forward gear (D) pull the puller from neutral position (N) downwards and then forwards. To disconnect it, push the puller downwards then backwards to get the neutral position (N). To connect the rear gear(R) push the puller towards neutral position (N) downwards and then backwards. To disconnect push the puller downwards and then forwards till the neutral position.

## Dashboard

- Adjustable ventilation system
- Wheel
- Direction indicator
- Light control indicator
- Instrument panel
- Windscreens Ventilation clear system
- Windscreen wiper
- Switch electric windows<sup>1</sup>
- Switch body heating
- Speed Heating
- Knob for indoor ventilation
- Glove compartment- Radio<sup>1</sup>
- Gps Satellite Navigation<sup>1</sup>
- Switch rear fog lights
24. Gear puller
- Defrost window system
25. brake parking puller
- Glove compartment
- Gas pedal
17. Start switch
18. Brake pedal
19. Acustic horn
21. Bonnet unlock puller
22. Warning lights
23. 100 W Loudspeakers



24. gear puller
25. brake parking puller
26. parking sensor
27. can box

## KNOW THE CAR

### Warning lights and indicators

- ◆ Red coloured. If the oil pressure is very low, the warning light remains lightened. If it is on by normal driving you have to stop and switch the engine off. Contact a Casalini dealer or an authorized workshop as well.



Please check the following points in case of damage: **oiling system**

- ◆ Lubrificator level(fill in if necessary).
- ◆ oiling system leaks (It can be repaired only by a Casalini Dealer)
- ◆ Oil pump working (only by a Casalini Dealer)
- ◆ Oil pressure feeler (only by a Casalini Dealer)

- ◆ **Fog light switch (9—if foreseen)**

Green-coloured. It lightens when we turn the fog lights on. Use them only if necessary.



- ◆ **Rear fog light switch (10)**

Orange coloured. It lightens when the rear fog is on. We can turn the rear fog on when the car lights are on. Rear fog light can be used only in case of short visibility.



- ◆ **Main beam warning light (11)**

Blue coloured. It lightens when the dipped beam warning lights are on (second click of the light control)



- ◆ **Dipped warning light (12)**

Green coloured. It lightens when the dipped beam warning lights are on (second click of the light control with shunting line light position downwards, or by pulling the lever towards yourselves for flashing.



- ◆ **Rear glass light (22)**

Orange coloured. It lightens when the rear glass light is on. Use only for a few time to defrost.

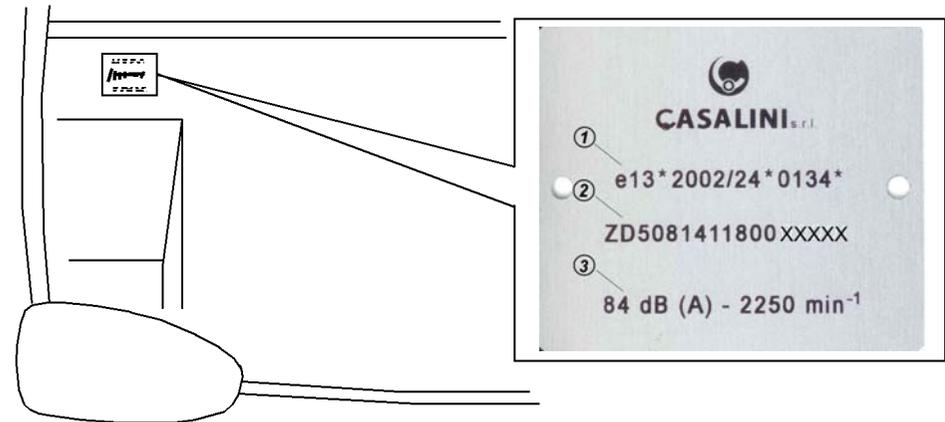


- ◆ **Damaged front disk warning light**

Orange coloured. It lightens when brake pad wears are damaged. When it lightens for the first time it still possible to go on for some kilometers, however it is strictly necessary to let the brake pad wears check.

percorrere ancora alcuni chilometri, ma è indispensabile far controllare lo stato delle pastiglie.

## CHARACTERISTICS AND TECHNICAL DATA

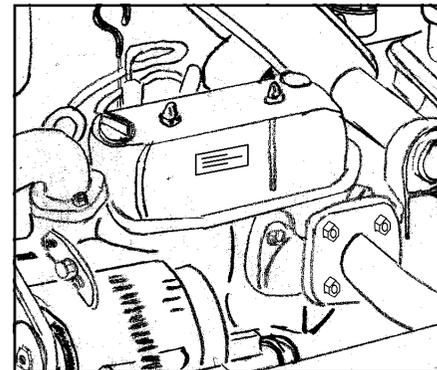


### TYPE-TESTING, CHASSIS NUMBER, NOISE

Engine type and registration number

1. Type-testing data
2. Chassis number
3. Noise limits

Engine type and registration number on the engine upper part



# KNOW THE CAR

## Warning lights and indicator

### ◆ Cooling system warning light (1)



Red-coloured. It lightens when the engine is overheated or when the level of the coolant is insufficient. If the indicator lightens when you are driving or with the engine turned on, stop the vehicle as soon as possible and turn the engine off.

With the engine turned off and the key in MAR position, the warning light is always lightened in order to allow the control of the functionality; if it is not lightened, have the lamp replaced by one of Casalini Concessionaries.

### ◆ Direction indicator warning lights (6-19)



Green coloured. They lighten singularly if the direction indicators are on; they lighten together when the warning lights are on.

### ◆ When lights are on

When the lights are on the whole dashboard is on I mean when the lights switch is either on the position lights or on MAR or AVV or when the parking lights are on.

### ◆ Spark-plug warning lights (13)



Orange coloured. It is on when the engine is turned off and the switch is on MAR. It also points out the pre-heating spark-plugs are on. When the pre-heating is finished, the light turns off and we can start the engine again.

### ◆ Battery recharge warning light (15)



Red-coloured. When it lightens with the engine started, it may indicate the presence of a failure in the recharge installation of the battery or the failure of the belt that operates the alternator and water pump. If the warning light remains lightened when the vehicle is running, check belt integrity. If the belt is damaged, stop the vehicle **immediately**. If the belt is in good conditions, it is possible to still proceed **for a while**, thanks to accumulator capacity. In any case have the vehicle checked as soon as possible by one of Casalini Concessionaries.

### ◆ Braking system parking (16)

Red-coloured. It lightens in the following cases:

- ⇒ When the braking system parking is on
- ⇒ When the braking system liquid level is too low
- ⇒ When front brake pad wears are out (if foreseen)



If the warning light keeps on lighting when braking system parking is out you must:

- ⇒ approach carefully to the card-road.
- ⇒ switch the engine off and check the liquid brakes and if necessary refill in. Mind if there is no leakage.
- ⇒ If there is some leakage and the light keeps on lightening or brakes don't work correctly, please don't use the car. Ask for hauling and let your car by the nearest Casalini authorised Dealer bring away to be repaired.

### ◆ Neutral warning light

Green coloured. It lightens when the gear lever in on "neutral" position. When both forward gear and rear gear are on the warning light turns off.

### Maintenance before sale

The following maintenance  
Let us know the vehicle  
Has been checked  
according to the company  
Directives

Check date

\_\_/\_\_/\_\_

Stamp of the authorized  
dealer

### Maintenance at 1.000 km

The following maintenance  
Let us know the vehicle  
Has been checked  
according to the company  
Directives

Check date

\_\_/\_\_/\_\_

Stamp of the authorized  
dealer

### Maintenance 5.000 km

The following maintenance  
Let us know the vehicle  
Has been checked  
according to the company  
Directives

Check date

\_\_/\_\_/\_\_

Stamp of the authorized  
dealer

### Maintenance at 10.000 km

The following maintenance  
Let us know the vehicle  
Has been checked  
according to the company  
Directives

Check date

\_\_/\_\_/\_\_

Stamp of the authorized  
dealer

### Maintenance at 15.000 km

The following maintenance  
Let us know the vehicle  
Has been checked  
according to the company  
Directives

Check date

\_\_/\_\_/\_\_

Stamp of the authorized  
dealer

### Maintenance at 20.000 km

The following maintenance  
Let us know the vehicle  
Has been checked  
according to the company  
Directives

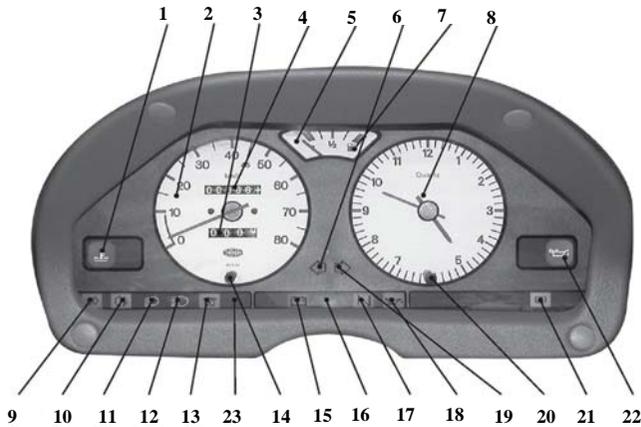
Check date

\_\_/\_\_/\_\_

Stamp of the authorized  
dealer

## Know the car

### INSTRUMENT PANEL



P.	Description
1	COOLING SYSTEM WARNING
2	TACHYMETER
3	PARTIAL ODOMETER
4	TOTAL ODOMETER
5	RESERVE SUPPLY WARNING
6	LEFT DIRECTION INDICATOR
7	FUEL LEVEL INDICATOR
8	CLOCK
9	FOG LIGHT WARNING LIGHT
10	REAR FOG WARNING LIGHT
11	DIPPED BEAM WARNING
12	MAIN BEAM WARNING LIGHT
13	SPARK-PLUG WARNING
14	SETTING PARTIAL ODOM.
15	BATTERY RECHARGE WAR-
16	HAND BREAK INDICATOR
17	NEUTRAL WARNING LIGHT
18	OIL PRESSURE WARNING
19	RIGHT DIRECTION INDICATOR
20	CLOCK SETTING
21	REAR GLASS HEATING (IF AVAILA-
22	OIL PRESSURE WARNING
23	BRAKE WARNING LIGHT

#### Tachymeter and odometer (2-3-4)

The tachymeter (2) indicates the speed of the small car relevant to the forward gear, expressed in kilometres per hour (Km/h).

The total odometer (4) indicates the total kilometres covered by the small car. The partial odometer (3) indicates the daily distance covered or the one relevant to a travel.

Push the button situated on the side of the steering column for setting it at zero (14).

#### Fuel level indicator (7)

It indicates approximately the quantity of fuel in the tank.

The instrument has some notches that indicate in a growing manner, from the left to the right, the level of the fuel in the tank. When the gauge reaches the last notch on the left, the orange-coloured reserve supply warning light lightens (1): the tank is almost empty and it is necessary to fill up the tank as soon as possible.

#### ◆ Clock setting (20)

Push the button (20) on the instrument panel till the clock indicates the correct time.

## MAINTENANCE

#### Maintenance at 25.000 km

The following maintenance  
Let us know the vehicle  
Has been checked  
according to the company  
Directives

Check date

\_\_/\_\_/\_\_

Stamp of the authorized  
dealer

#### Maintenance at 30.000 km

The following maintenance  
Let us know the vehicle  
Has been checked  
according to the company  
Directives

Check date

\_\_/\_\_/\_\_

Stamp of the authorized  
dealer

#### Maintenance at 35.000 km

The following maintenance  
Let us know the vehicle  
Has been checked  
according to the company  
Directives

Check date

\_\_/\_\_/\_\_

Stamp of the authorized  
dealer

#### Maintenance at 40.000 km

The following maintenance  
Let us know the vehicle  
Has been checked  
according to the company  
Directives

Check date

\_\_/\_\_/\_\_

Stamp of the authorized  
dealer

#### Maintenance at 45.000 km

The following maintenance  
Let us know the vehicle  
Has been checked  
according to the company  
Directives

Check date

\_\_/\_\_/\_\_

Stamp of the authorized  
dealer

#### Maintenance at 50.000 km

The following maintena-  
ce  
Let us know the vehicle  
Has been checked  
according to the  
company  
Directives

Check date

\_\_/\_\_/\_\_

Stamp of the authorized  
dealer

## Know the car

### KEYS

The vehicle is equipped with two kinds of keys, each one is provided in two copies.

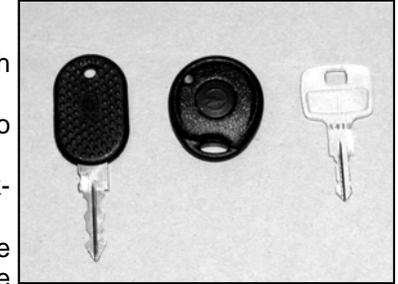
The main key locks/unlocks door locks and it allows to operate the starting switch/handlebar lock.

The secondary key if foreseen, is destined to the locking/unlocking of the lock of the fuel inlet plug.

Together with the main keys you will find a little plate on which their code is engraved. Take off the little plate and keep it in a safe place, not on board. The code indicated will allow You to easily obtain a copy of the keys. The code of the secondary key is punched on the same key.

Furthermore, it is advisable to note the numbers of key codes and keep the annotation in a safe place.

In case of key loss, contact one of Casalini Concessionaries in order to ask for a copy.



### STARTING SWITCH

#### ◆ **PARK**

The wheel is locked by the anti-theft handlebar lock.

Parking lights are switched on and the key can be taken out.

For turning the key in this position it is necessary to push the consent button "A".

#### ◆ **STOP**

The wheel is locked by the anti-theft handlebar lock and the key can be taken out.

#### ◆ **MAR**

All the services can be activated. This is the normal position after starting. Do not leave the switch in this position with the engine turned off because the battery may discharge.

#### ◆ **AVV**

This is the position of engine starting. The starter continues to turn until the switch is maintained in this position. Once released, the key comes back to MAR position. Till the switch is maintained in this position. Once released, the key comes back to MAR position.



### NOTE

If the rotation of the key is difficult, turn the wheel from one side to another by turning at the same time the key in MAR position.

## **The Manual**

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### **THE MANUAL**

Before using the vehicle, read this manual carefully. Keep it on board for a ready consultation: **if you resell the vehicle leave it on board for the new owner!**

For Your safety and in order to prolong vehicle life, follow the instructions of the present manual. The non-observance of these instructions may seriously compromise your own safety and damage the vehicle. In the manual we have used terms like WARNING, CAUTION and NOTES. The term **CAUTION** is used for preventing the risk of accidents or physical damages. The term **WARNING** is used for helping you to prevent the vehicle from being damaged. The **NOTES** are useful for giving important information or suggestions on vehicle use. The instructions of this manual have been prepared especially for providing a simple and clear guide; we have also indicated the operations of small maintenance and periodical inspections to whose the vehicle must be submitted at Casalini Concessionaries. Besides, this small book contains the instructions for some simple operations of repair. The operations not specifically described in this document require special equipments and/or specific technical knowledge; it is advisable to contact one of Casalini **Concessionaries** for carrying out these operations. All the information and characteristics listed in this manual are current at the moment of printing. We reserve the right of carrying out some changes anytime without any previous notice.

All the information and characteristics listed in this manual are current at the moment of printing. We reserve the right of carrying out some changes anytime without any previous notice.

**Consider that this manual refers to all models and it gives explanations about all installations, options included. Therefore you will probably find some descriptions or installations that don't appear on the vehicle.**

### **OWNER RESPONSIBILITIES ABOUT VEHICLE MAINTENANCE**

The owner of the vehicle has the responsibility of checking that all the maintenance operations specified are carried out correctly. The chapter " Programmed maintenance" gives all details relevant to maintenance requirements.

### **MODIFICATIONS IN THE VEHICLE**

The modifications in the vehicle are not allowed because they may compromise its performances, safety and wear resistance, further than they probably violate current laws. Besides, the damages caused by the modifications carried out in the vehicle are not covered by warranty.

For your and other people's safety, when you drive always follow these important rules!

**NEVER drive under the effect of alcoholic drinks or drugs.**

**ALWAYS respect speed limits and regulate the speed according to the different situations.**

ALWAYS use safety belts and comply with the rules of road traffic.

## **Casalini wishes to thank you**

First of all, we commend and we thank You for choosing a vehicle manufactured by Casalini,  
the first Company that produced a commercial vehicle that can be driven without license.

In order to obtain the greatest satisfaction in driving Your new van and for assuring You a working without any kind of problem, we invite You to read this manual carefully and to follow the instructions here contained.

When Your vehicle need to be submitted to maintenance, we advise You to contact one of Casalini Concessionaries: no one can assure You a better competence on the vehicle and a better availability in meeting Your needs. We assure You the highest care so that You can be satisfied of your choice: meet Customer's expectations is our principal aim.

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