

# 365GTB/4



ADDITIONAL INSTRUCTIONS  
FOR THE 1972 USA VERSION

Ferrari

**SUPPLEMENT TO THE OPERATING, MAINTENANCE AND SERVICE  
HANDBOOK.**

ONLY THE MAIN FEATURES OF  
THIS CAR DIFFERING FROM STA-  
NDARD PRODUCTION **365 GTB/4**  
ARE DESCRIBED IN THIS SUPPL-  
EMENT.

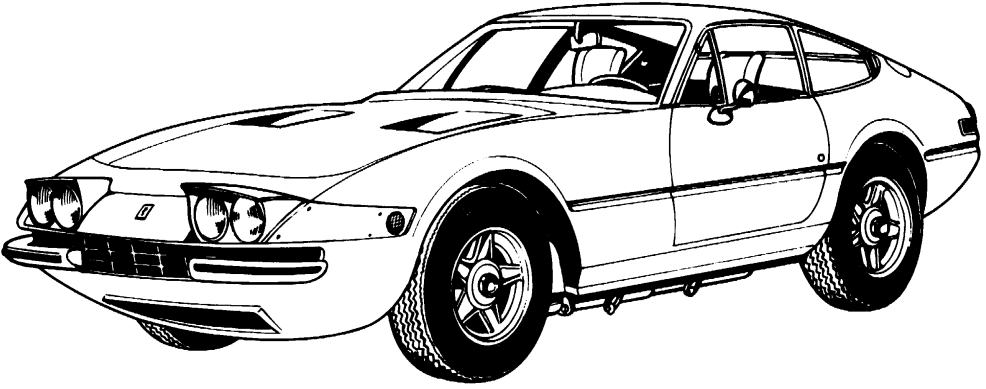
FOR ALL REMAINING PARTS,  
PLEASE REFER TO THE STAND-  
ARD INSTRUCTION BOOK.

---

 I N D E X
 

---

	Page
GENERAL SPECIFICATIONS . . . . .	5
Vehicle weights and capacities . . . . .	6
Tires. . . . .	6
 INSTRUMENTS AND CONTROLS . . . . .	 7
 RUNNING INSTRUCTIONS . . . . .	 9
Ignition and steering lock . . . . .	9
Starting procedures . . . . .	9
Gear lever positions . . . . .	10
Seats. . . . .	10
Jacking the car-wheel changing . . . . .	11
Safety belts . . . . .	11
Defroster . . . . .	12
 ROUTINE ENGINE MAINTENANCE . . . . .	 13
Periodical maintenance operations . . . . .	13
Fuel system . . . . .	13
Carburetors. . . . .	14
Fast idle device . . . . .	14
Fuel evaporative emission control system . . . . .	14
Blow-by recirculation system . . . . .	16
Ignition . . . . .	17
 ELECTRICAL INSTALLATION . . . . .	 19
Fuse boxes . . . . .	22
Wiring diagram . . . . .	23
 TOOL KIT . . . . .	 25



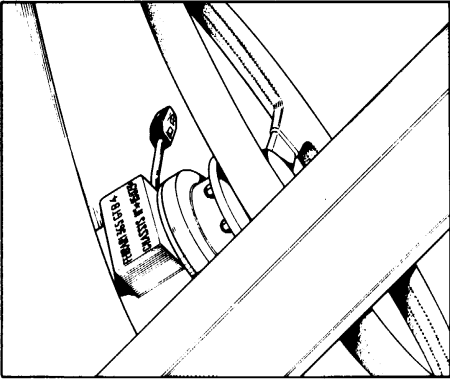
---

## GENERAL SPECIFICATIONS

---

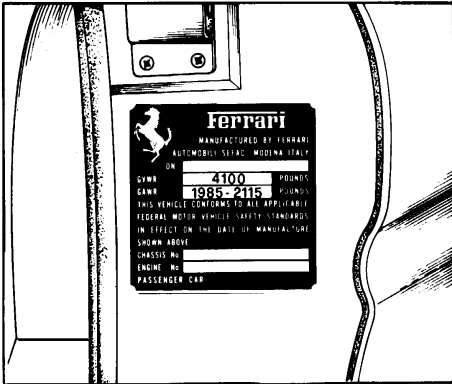
### IDENTIFICATION PARTICULARS

In addition to the standard identification numbers and plates, the following tags are provided:



**1) U.S. Safety standard 115 tag:**

showing the type of the vehicle and chassis number is located on the top of the steering pillar cover.




**2) U.S. Safety standard conformity tag :**

showing the year and month of manufacture, the chassis number and car type, is applied on left side door pillar, below lock striker.



**3) U.S. Safety standard 110 tag:**

showing tire data and vehicle capacity, is located on the back of glove box lid, on the right of vanity mirror.

VEHICLE EMISSION CONTROL INFORMATION	
	<b>Ferrari</b> s.p.a. SEFAC
Engine family identification :	FERRARI 365 GTB/4 365
Model :	268 CU. IN.
Engine displacement :	A.I.
Exhaust emission control type :	neutral.
ENGINE TUNEUPS SPECIFICATIONS AND ADJUSTMENTS	
Transmission position during tuneups :	neutral.
Accessories in operation :	none.
Basic ignition timing :	2°-4° ATDC at normal idle speed.
Normal idle speed :	950 ± 50 rpm.
Fast idle speed :	2400 ± 100 rpm.
Idle CO setting in each cylinder :	.60% ± .90% at normal idle speed.
Spark plug gap :	.023-.035 in.
Gasoline type :	premium.
All check operations for emission control maintenance must be carried out by our agencies	
<b>THIS VEHICLE CONFORMS TO U. S. DEPT. OF H.E.W. REGULATIONS APPLICABLE TO 1972 MODEL YEAR NEW MOTOR VEHICLES</b>	

4) Air pollution tag: showing the main data for correct engine adjustment, according to which the car meets the regulations on air pollution, is located on left hand engine bay valance.

## VEHICLE WEIGHTS AND CAPACITIES

Curb weight	3665 lbs
Vehicle load capacity (total 435 lbs)	2 adults (300lbs)+135lbs of luggage
Gross weight (fully laden)	4100 lbs
Designated seating capacity	2 persons
Occupant distribution	2 in front

## TIRES

Michelin FR-70-15  
or 215/70 VR 15

Pressure:

	On public road up to 80 mph	For use at higher speed not on public road.
front	34 p.s.i.	40 p.s.i.
rear	36 p.s.i.	44 p.s.i.

Rubber lugs are provided in tread grooves to serve as visual wear indicators:

when tire is worn down to their level it should be replaced ( U.S. Safety Standard 109 ).

## INSTRUMENTS AND CONTROLS

1-Fuel level gauge.

2-Fuel reserve warning light (red).

3-Speedometer.

4-Direction Indicator and vehicular hazard warning lights: flash separately to show operation

of RH or LH direction Indicators; flash simultaneously to show operation of vehicular hazard warning signal.

5-Side light Indicator (green).

7-Oil thermometer.

8-Oil pressure gauge.  
 9-Mileometer trip zero.  
 10-Water thermometer.  
 11-Ammeter.  
 12-Revolution counter with indication for maximum permitted RPM.  
 13-Air outlets for warm or fresh air.  
 14-Air outlet from air conditioner.  
 15-Clock.  
 16-Left hand heater air distribution control.  
 17-Left hand heater water(temperature)control.  
 18-Right hand heater water(temperature)control.  
 19-Right hand heater distribution control.  
 20-Pushbutton for opening glove box lid.  
 21-Bonnet opening lever,  
 22-Ring for emergency opening of bonnet.  
 23-Instruments illumination rheostat.  
 24-Clutch pedal.  
 25-Brake pedal.  
 26-Choke control.  
 27-Accelerator pedal.  
 28-Spare warning light with written stander.  
 29-Electrically heated rear window light(amber).  
 30-Air to feet control.  
 31-High beam warning light (blue).  
 32-Brake system effectiveness indicator:Lights up as soon as the engine is switched on and goes out when the engine starts,to make sure that the bulb is operable.  
 If it lights up while the car is running,it shows -a brake system failure.  
 33-Ignition,auxillary services,starter and steering lock key.  
 34-Vehicular hazard warning signal switch.  
 35-Right hand ventilator blower switch.  
 36-Electrically heated rear window switch.  
 37-Fan speed switch for air conditioner.  
 38-Temperature control for air conditioner.  
 39-Grear lever.  
 40-Radio.  
 41-Radio antenna switch.  
 42-Cigarette lighter.  
 43-44-LH&RH Electrically operated window winder:  
 it is operable only with the ignition key in po-

sition II.

An emergency handle is provided to operate the window winder when the electric device fails.

45-Ash tray.

46-Handbrake lever.

47-Retractable headlights and outer lighting switch.

Turning the outer lighting switch on,the retractible headlights are put into working position automatically in not more than three seconds.

(U.S.Safety Standard 112).

48-Main beam/dip beam control lever.

49-Direction indicator lever.

50-Horn button.

51-Windscreen wiper and washer lever with three positions:

1-Off.

2-Low speed(equal or more than 20 periods / min ).

3-High speed(equal or more than 45 periods / min ).

The wiped areas are obtained by mean of 19" blades fitted on special arms.

The windscreen washer tank contains two liters of glass cleaner and water solution.

(U.S. Safety Standard 104 ).

Arms and blade supports are manufactured with non glare metal.

(U.S. Safety Standard 107 ).

52-Air outlet for warm or fresh air to feet.

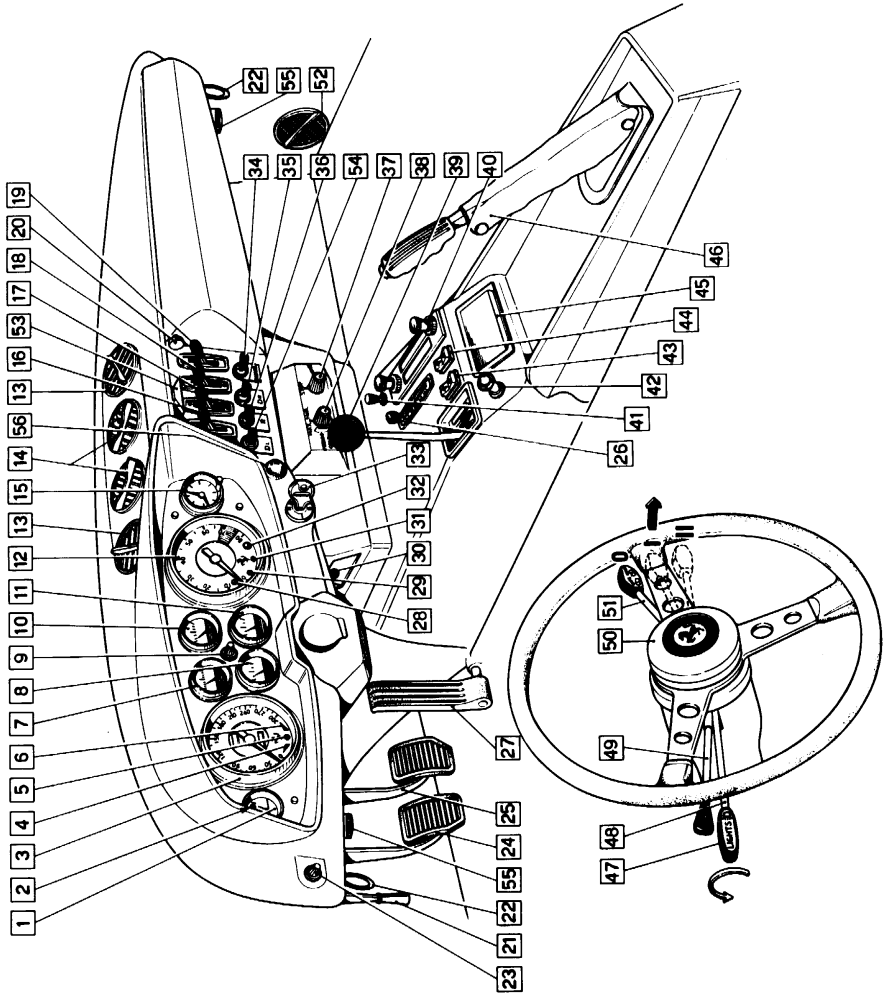
53-Switch panel light.

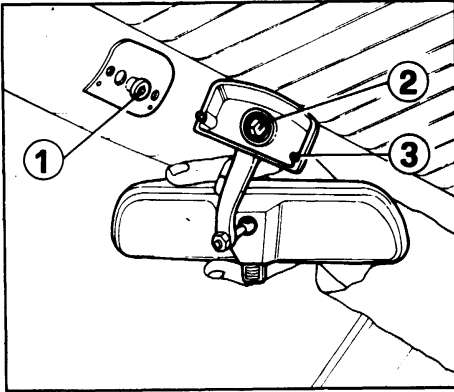
54-Left hand ventilator blower switch.

55-Interior lights.

56-"Fasten seat belts"warning light.

(For cars from Jan 1,1972).





**6)Collapsible inner rear view mirror**  
1-Stud;2-Spring;3-Location dowels.

**COLLAPSIBLE INNER REAR VIEW MIRROR:**comes off its seat following an impact;to refit,engage spring(2)on stud(1)-make sure the two location dowels(3)are properly registered with relevant seats-by pressing on mirror's base:

Engagement is of the snap on type.  
(U.S. Safety Standard 111).

**SWIVELLING REAR VIEW MIRROR**  
on the outside of driver's door,adjustable from driver's seat.

**COLLAPSIBLE STEERING WHEEL :**

the steering pillar is collapsible under the effects of a road accident.  
(U.S.Safety Standard 204).

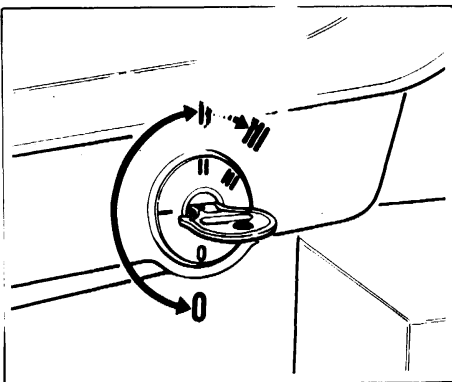
Steering wheel spokes,spacer and pillar cover are manufactured with non-glare metal.  
(U.S. Safety Standard 107).

**REMOVE KEY INDICATOR:**acoustic signal on when driver's door is opened to leave the car and the ignition key has been forgotten in lock switch.

## RUNNING INSTRUCTIONS

### IGNITION AND STEERING LOCK.

The lock switch has no position I (garage) ; consequently,the key can be inserted or wi-



**7)Ignition and steering lock.**

thdrawn exclusively when the switch is in position O according to U.S. Safety Standard 114.

### STARTING PROCEDURES

#### Cold engine

Two Starting procedures:

- 1)When the car has been parked at ambient temperature above 60° F.
- 2)When the car has been parked at ambient temperature below 60° F.

**1)Procedure (above 60°F).**

- a)Make sure the gear lever is in neutral position.
- b)Turn the ignition key to position "O".
- c)Wait for 30 seconds until the electric fuel pumps have slowed down.
- d)Depress the clutch pedal.
- e)Press the throttle pedal fully open three times.

f) Turn the key until it goes further than position "O" and at the same time give 2 or 3 partial accelerations for starting the engine.

g) As soon as the engine fires, maintain the idle speed at 2000—2500 R.P.M. during the first 20 seconds.

h) If the engine doesn't start or stalls, it is necessary to turn the ignition key back to position II, then turn it further than position "O" and follow as at point f.

## 2) Procedure (below 60° F)

a) Make sure the gear lever is in neutral position.

b) Pull the choke lever all the way.

c) Turn the ignition key to the position "O".

d) Wait for 30 seconds until the electric fuel pump have slowed down.

e) Depress the clutch pedal and turn the key until it goes further than position "O" for starting the engine.

f) As soon as the engine fires push the choke all way forward.

## Hot engine

When the engine is hot it is not necessary to use the choke 26 fig.5.

When the engine is very hot it can be helpful to hold the throttle wide open until the engine fires.

Do not move the accelerator pedal up and down, as this operates the accelerator pumps and will make hot starting more difficult.

If the oil temperature is below 140° F the engine will at first run at 1500—1700 rpm, being connected to an automatic fast idle device controlled by the oil temperature. Arising the oil temperature, the idle engine revs can reach about 2400 rpm; then, when the oil temperature reaches or exceeds 190° F, the idle speed will be 900—1000 r.p.m..

If the engine does not start do not pump on the accelerator pedal, as this will wet the sparking plugs, but investigate on the following points:

1)- The cranking speed is too slow (battery; not properly charged, oil too thick or too cold).

2)- Ignition equipment faulty (sparking plugs damp, contact points dirty or wrong-

ly adjusted, coils or condensers inoperative).

3)- Electric circuits not properly insulated.

4)- Ignition fuse burnt out.

## Warning:

Drive the car without hard accelerations until the oil temperature has reached 140° F.

For lower temperatures keep the choke on longer.

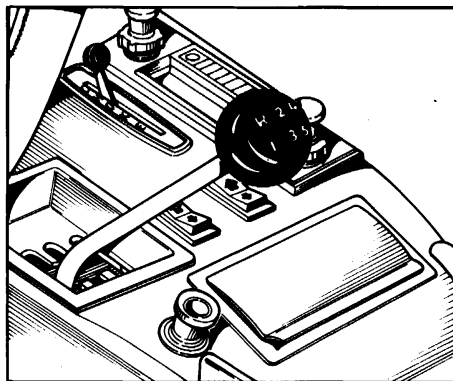
## GEAR LEVER POSITIONS.

The gearshift lever knob has a gating pattern engraved (fig.8).

(U.S. Safety Standard 102).

When reverse is engaged, with lock switch in position II, the back up light is turned on.

(U.S. Safety Standard 107).



8) Gear lever positions.

## SEATS

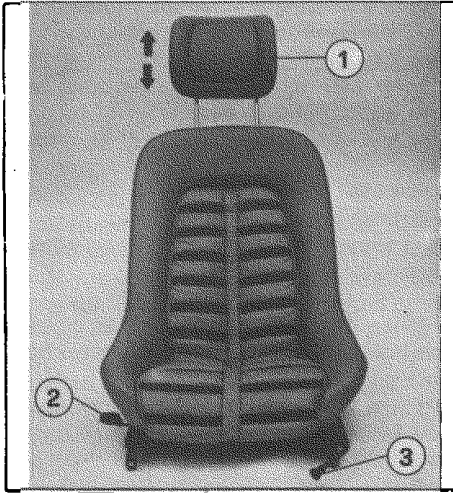
Seats squabs with adjustable headrest (fig.9) (U.S. Safety Standard 207).

Seats can be adjusted on floor after moving control lever (3) downwards.

Once the position is set, release the lever and make sure the seat is locked.

To swing the seat squab, lift lever (2), move the squab to desired position and release the lever.

(U.S. Safety Standard 207).



### 9) Seat.

1-Adjustable headrest; 2-Swing control lever; 3-Slide control lever.

### JACKING THE CAR—WHEEL CHANGING.

The wheels have octagonal hub nut that can be removed and tightened by means of a special key provided with the tool kit. (U.S. Safety Standard 211).

### SAFETY BELTS

Safety belts with retractor are provided as standard original equipment and are of the 3 point type.

#### Fasten lap belts (fig.10-11).

Pull belt from retractor without stopping ; if pulling motion is interrupted during extension of the belt, it will be necessary to return the belt completely to the stowed position to release the stop mechanism.

To fasten, insert connector A into buckle B slot until a snap is heard.

Adjust belt snugly around the hips—not the waist by allowing excess belt to return into retractor.

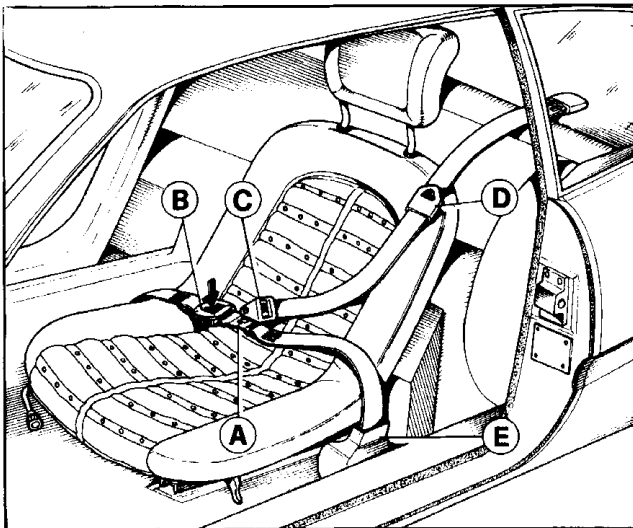
The indicator light and buzzer will go out only when, after extending the front belts, the retractors begin recovery of excess length.

#### Note

Pilot lamp "Fasten seat belts" 56 (fig.5) and acoustic signal will not be switched on with safety belts.

Not fastened only in the following cases:

- 1) Engine switched off.
- 2) Engine running and handbrake on.



### 10) Safety belts.

- A-Lap belt connector.
- B-Buckle
- C-Shoulder belt connector.
- D-Plastic adjuster.
- E-Retractor.

### Fasten shoulder belts.

Free the belt from its storage retainer.

Position the belt over shoulder and across body to lap belt buckle. Insert pin of shoulder belt connector C into the slot of lap belt connector A and pull until the pin solidly engages in slot.

To shorten the belt, pull the plastic adjuster D but only after the connector C is properly engaged.

To lengthen the belt, tip and pull connector to allow extension of the belt.

To release the belts:

Simply press in the center button to release the buckle.

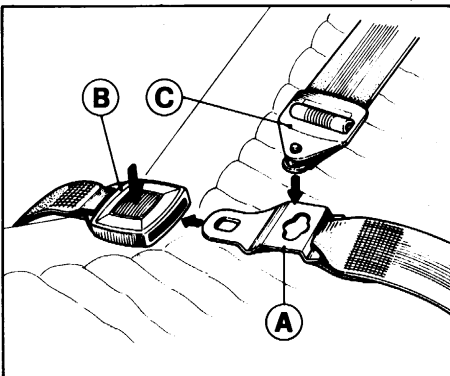
**Warning.**-The adjustment of seat belts must be made before starting the car and after having properly positioned the head-rests and rear view mirrors.

Each belt is intended for use by one adult or one child over 6 years of age. Belt adjustments must be made with occupant sitting well back and erect in the seat:

make sure webbings are not twisted.

Shoulder belts are correctly tightened when a fist inserted between the harness and the occupant's body does not cause undue pressure on the body itself.

Occasionally, check that mounting bolts are tight, and that webbing is not cut or frayed. In the event of an accident, even if the belt



### 11) Fastening and releasing safety belts.

A-Lap belt connector; B-Buckle; C-Shoulder belt connector.

you were wearing is apparently undamaged it is recommended that you replace it with a new belt.

To keep belts clean, hand wash only, using warm water and mild soap.

Rinse and dry thoroughly-out of direct sunlight.

Do not use strong detergents.

Do not use bleaches or dyes.

Avoid any chemical that may weaken the equipment.

To clean the retractor blow with dry and clean compressed air into the retractor housing.

Users are warned to consult the manufacturers in case of doubt and not to make any alterations or additions to seat belt assemblies and/or anchorages.

### DEFROSTER

Defrosting of windscreen can be obtained when performing the following operations :

- a) Push levers DEF 16 and 19 into position (fig.5).
- b) Push levers 17 and 18 into position marked with red spot (fig.5).
- c) Switch on blower by means of switches 35 and 54.
- d) Adjust direction to windscreen through suitable rotation of air outlets 13.

---

**ROUTINE ENGINE MAINTENANCE**


---

**PERIODICAL MAINTENANCE OPERATIONS.**

In addition to the normal prescriptions, it is recommended that the Owner of a car equipped with the emission control systems follows the emission service schedule printed on the air cleaner cover and listed hereafter.

**ALL CHECKING AND MAINTENANCE OPERATIONS FOR THE EMISSION CO-****NTROL SYSTEMS SHOULD BE CARRIED OUT BY FERRARI APPOINTED DEALERS.**

The Owner is also entitled to free checks of the emission control systems during any free service coupon.

This is in addition to the normal maintenance under warranty which includes tappet clearance, spark timing and distributor dwell angle adjustments.

<b>W A R N I N G</b>	<b>PERIODICAL MAINTENANCE OF EXHAUST, CRANKCASE AND EVAPORATIVE EMISSIONS CONTROL SYSTEMS</b>		<b>W A R N I N G</b>
	periodical mileage	— EVENT —	
	3.000	check air pump belt tension. check and adjust plug's gap.	
	6.000	replace plugs. check high tension wires and plug caps. check air pump connections, pipes and valves.	
	10.000	check co% at normal idle speed in each cylinder and check revs. check fast idle revs and fast idle cam setting. check distributor microswitch operation. check Dinoplex unit, low tension wire and distributor circuit. check blow-by pipes and air filter. check air pump clutch working. check pipings and fittings of evaporative control device.	
	20.000	clean exhaust valves air injectors. check distributor advance.	

**12) Emission service schedule.**

**PLEASE NOTE THAT THE AIR PUMP BELT TENSION SHOULD ALLOW A SLACK OF 7 mm. WHEN, APPLYING A LOAD OF  $8 \div 10$  Kgs.**

**FUEL SYSTEM.**

The fuel system is equipped with:

- Two electric pumps Bendix N° 476087 12V.
- Six dual barrel Weber 40 DCN 21/A carburettors.
- Fast idle device.
- Fuel evaporative emission control system.
- Air injection system.

**SETTING OF CARBURETTORS AND PERIODICAL CHECK OF THE MIXTURE SHOULD BE CARRIED OUT BY FERRARI APPOINTED DEALERS.**

For no reason will the Client enrich the mixture and move the screws.

**CARBURETTORS**

TYPE	Weber	40DCN	21/A
Choke			mm. 32
Central diffusor			mm. 4,5
Main jet			mm. 1,35
Air correction jet			mm. 1,90
Emulsion tube		F 25	
Slow running jet			mm. 0,60
Slow running air correction jet			mm. 1,30
Pump jet			mm. 0,40
Pump discharge			mm. 0,50
Needle valve seat with spring			mm. 1,75
Progression holes			mm. 0,7-0,9 1,4
Fuel level			mm. 5,0
Hinge position for accelerator pump lever		N*	1

**FAST IDLE DEVICE.**

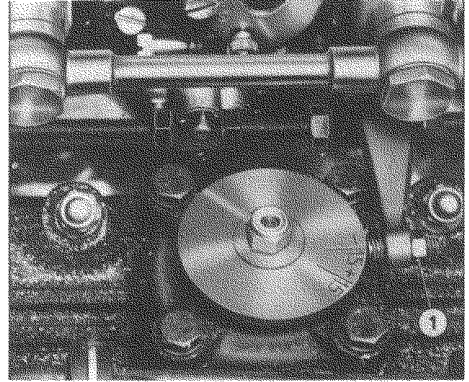
Consists in a cam connected by an arm to the throttle control rod.

The cam rotation is controlled by a bimetallic spring sensitive to the engine oil temperature.

Starting from cold the tappet setting corresponds to the max lift of the cam and the engine idles at  $1400 \div 1800$  rpm..

While the engine warms up; the idle speed increases gradually to about 2400 rpm. then it slows down again to  $900 \div 1000$  rpm.. In this last condition, the tappet is disconnected from the cam.

**ADJUSTMENTS OF THE FAST IDLE DEVICE SHOULD BE CARRIED OUT BY FERRARI APPOINTED DEALERS.**



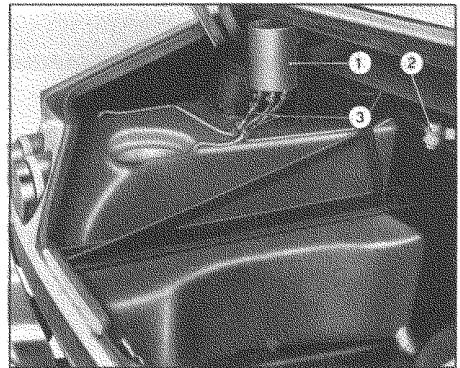
**13) Fast idle device**

1-Nut for adjusting tappet.

**FUEL EVAPORATIVE EMISSION CONTROL SYSTEM.**

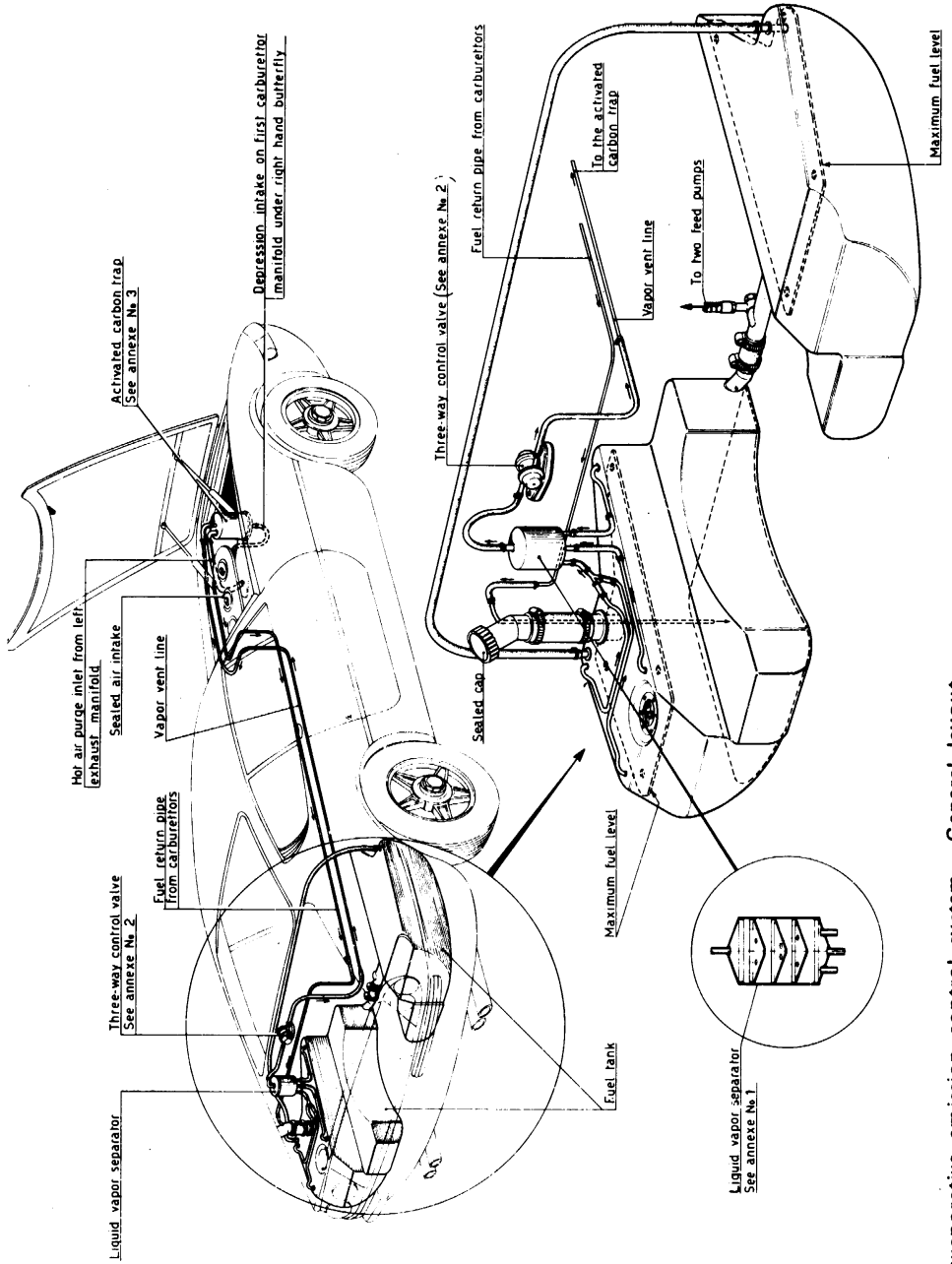
To prevent that fuel vapors from tank reach the atmosphere, they are conveyed to an active-carbon trap arranged in engine compartment where they are absorbed through a proper pipe system.

When the engine is running, a hot air stream regenerates the active carbon from which



**14) Fuel vapors outlet from tank.**

1-Liquid vapor separator ; 2-Three-way control valve ; 3-Vapor vent line.



15) Fuel evaporative emission control system - General layout.

the vapors are extracted and conveyed to the intake manifolds.

The system consists essentially of the following parts (fig.15).

- Sealed filler cap.
- Limited filled tank.
- Tank outlet pipes and vapor liquid separator.
- Three-way valve performing the following tasks:
  - a) slight tank pressurization; air inlet into tank to prevent any possible vacuum;
  - b) safety exhaust to prevent undue over pressure in tank.
- activated carbon trap.

### MAINTENANCE

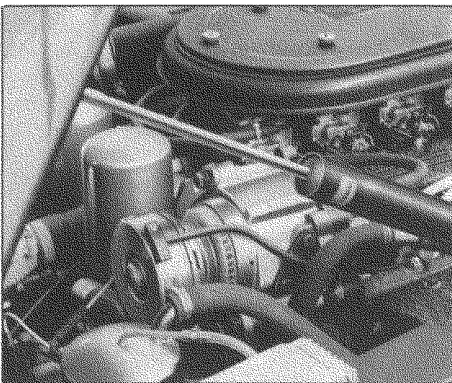
A periodic visual inspection of pipings and fittings is recommended.

### AIR INJECTION SYSTEM;

It is provided to keep the exhaust contamination to a minimum burning the unburnt portion of the exhaust gases.

It consists of:

- Air pump with electromagnetic clutch which disconnects the pump when the engine speed reaches 3100 rpm.(fig.16).
- Air injectors (one for each cylinder) fitted on the exhaust manifolds(fig.17).



16) Air pump fitted on car.

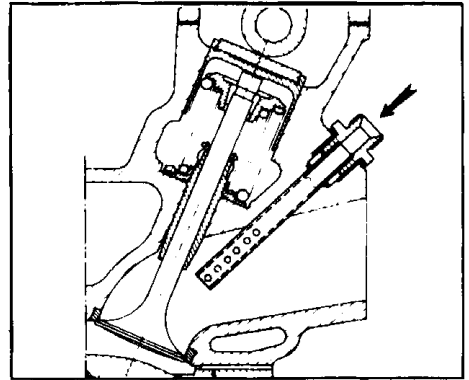
—Air diverter valve.

—Check valves (two).

—Air manifolds (two).

—Tubes and hoses connecting the various components.

**CHECKS AND MAINTENANCE SERVICES OF THE AIR INJECTION SYSTEM SHOULD BE CARRIED OUT BY FERRARI APPOINTED DEALERS.**



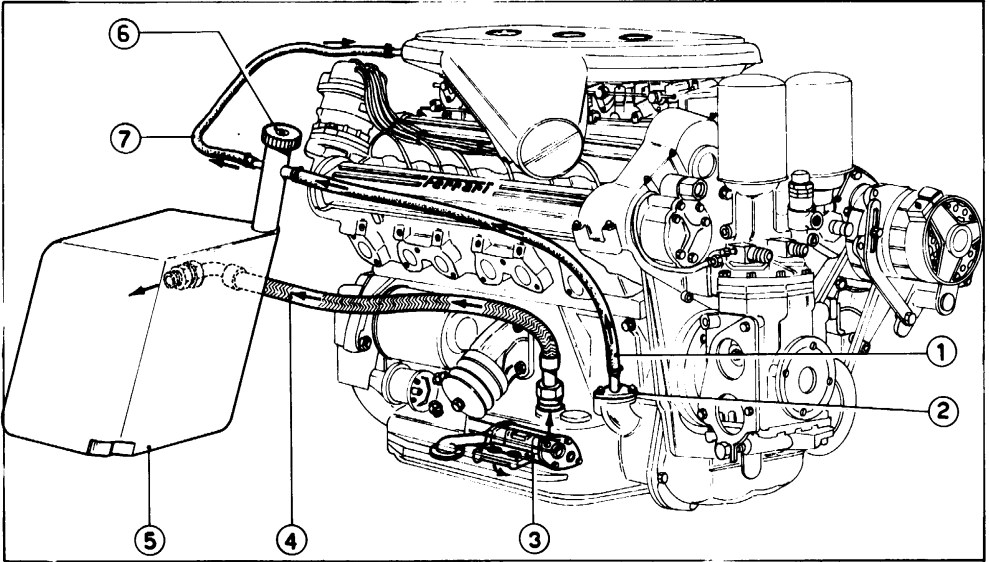
17) Air injector on exhaust manifold.

### BLOW-BY RECIRCULATION SYSTEM.

The blow-by system has been modified as indicated in fig.18.

The oil scavenge pumps convey the gases from engine sump to oil tank, keeping the sump in depression.

The gases, when entered into the air intake are reabsorbed by the carburetors.



18) Blow - by recirculation system layout.

**IGNITION**

The ignition system is fed from a 12 volt 74 ampere hour battery.

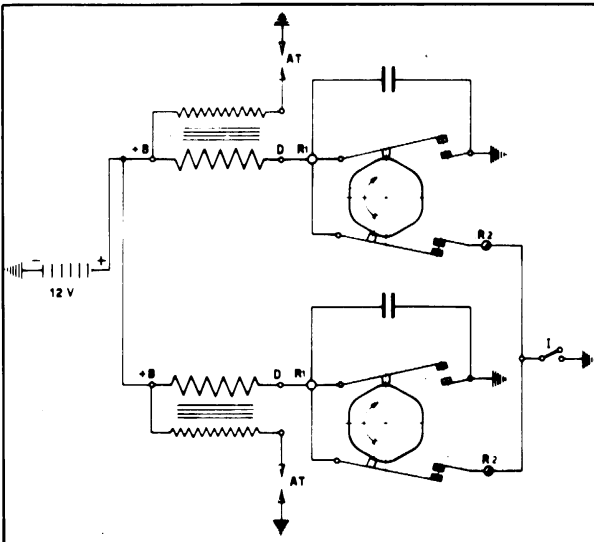
There are two Marelli distributor type S 138 B, with double breaker points one R1 normal, and one R2 retarded of  $7^\circ \pm 1$

of coil ignition in comparison with R1 (fig. 20).

Contact breaker gap mm.  $0,32 \div 0,38$  ( $012'' \div 015''$ ).

Static ignition advance  $10^\circ \div 11^\circ$ .

Total advance  $36^\circ \pm 2^\circ$  over 6000 rpm..



Running at normal revs: R1.

○  $\neq$  Opening angle  $28^\circ \pm 2^\circ$  closing angle  $32^\circ \pm 2^\circ$ .

Running at low revs (R1 connected to R2) angles altered of  $7^\circ \pm 1^\circ$

●  $\neq$  Opening angle  $21^\circ \pm 2^\circ$  closing angle  $39^\circ \pm 2^\circ$ .

I = Micro switch moved by carburetor shaft lever.

R1 = Main contact breaker.

R2 = Auxiliary contact breaker.

○ Dwell = 53,5%

● Dwell = 65%

19) Ignition wiring diagram.

Ignition firing order :

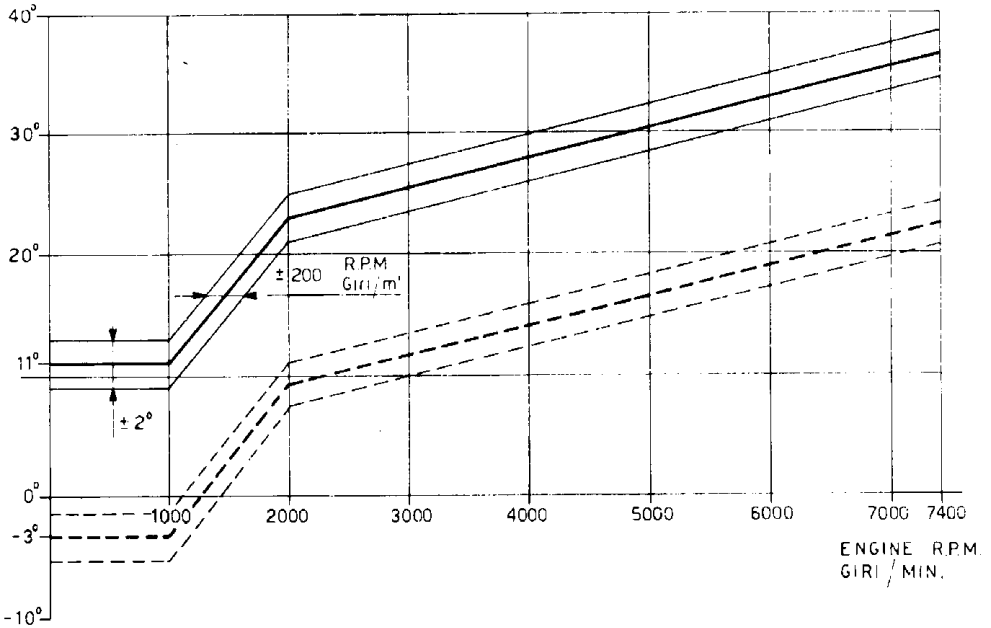
1 - 2 - 5 - 11 - 3 - 9 - 6 - 12 - 2 - 8 - 4 - 10 .

Coils: two Marelli type BAE 200 A.

High tension transistor units: two Marelli  
AEC 103 A.

Sparking plugs: Champion N6Y only.

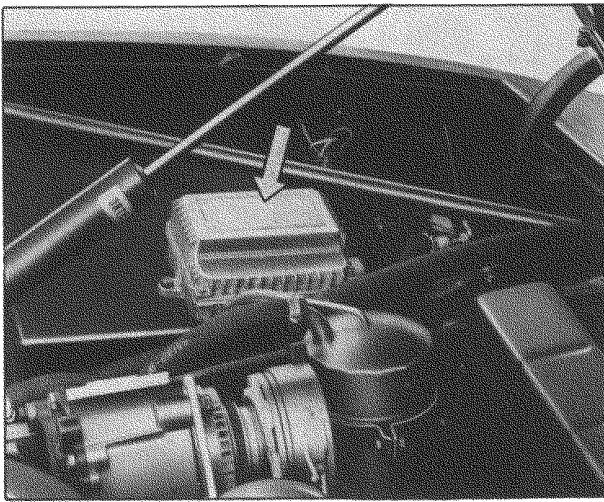
ENGINE DEGREES



**20) Distributor Marelli S 138 B – Ignition advance diagram.**

———— Ignition advance full power carried out with normal points.

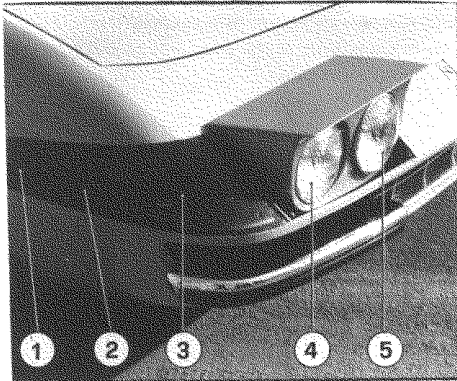
- - - - - Ignition advance during the cycle carried out with retarded points.



The two high tension transistor units are located on the two engine bay valances.

**21) High voltage transistor unit filled on the car.**

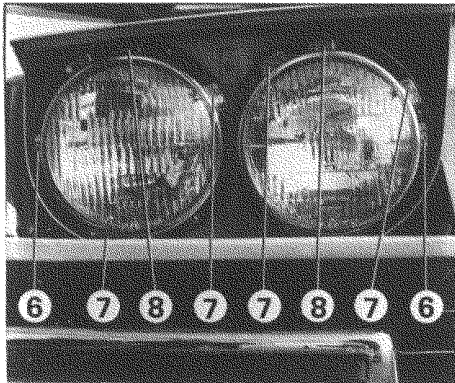
## ELECTRICAL INSTALLATION



### 22) Front lights.

- 1-2-Front side marker lamp (two bayonet-coupled bulbs 2 W).
- 3-Parking and direction indicator light (twin filament bulb 5/21 W).
- 4-Headlamp main sealed beam (bulb 55 W).
- 5-Headlamp dip sealed beam (bulb 55 W).

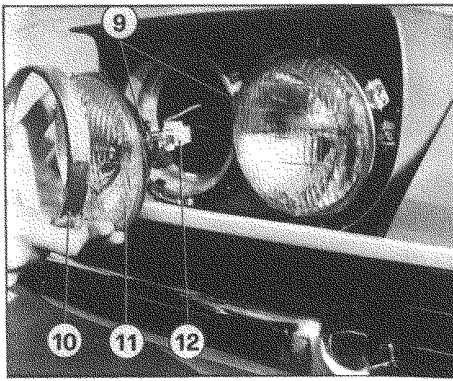
The headlamps are fitted with sae approved units.



### 23) Headlamp adjusting and fixing screws

- 6-Beam horizontal aiming adjustment screw.
- 7-Screws (three) to be slackened to allow counterclockwise rotation and removal of retaining ring.
- 8-Beam vertical aiming adjustment screw.

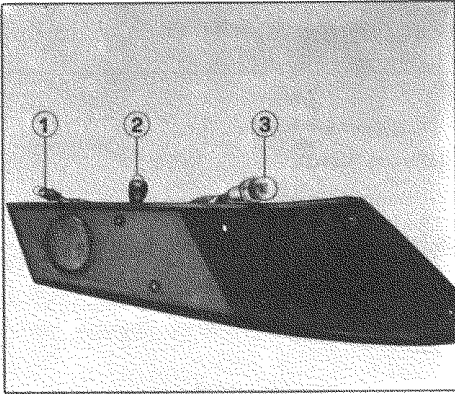
For headlamp aiming proceed as recommended by sae standard.



### 24) Changing headlamp bulb.

- 9-Headlamp unit location dowel and slot (three).
- 10-Headlamp unit retaining ring.
- 11-Headlamp unit.
- 12-Terminal plug.

U.S. Safety Standard 108.



## 25) Front parking and direction indicator lamps.

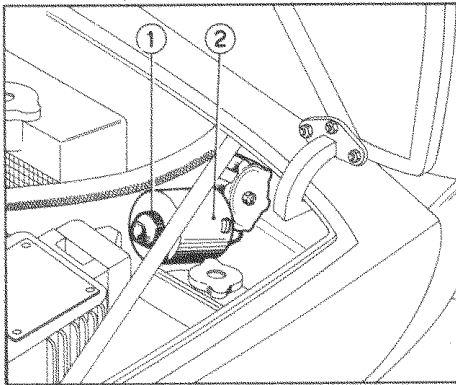
### - Front side marker lamps.

The front bulb holders can be reached from inside engine compartment.

1-2-Side marker bulbs (2W).

3-Parking and direction twin filament bulb(5/21W).

Bulb holders are of the snap-in type and bulbs are bayonet - coupled.



## EMERGENCY DEVICE FOR LIFTING RETRACTIBLE HEADLIGHTS.

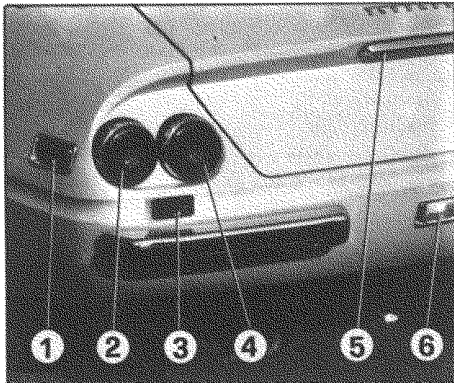
When the electric device for lifting the headlights fails, operate in this way:

-Take off the fuses protecting the headlights motors from fuses box or disconnect the battery leads in order to avoid a short circuit.

-Turn the knobs 1, one after the other, anti-clockwise for 2 or 3 complete turns. Carry on until the lifting is completed.

## 26) Headlamp lifting manual device.

1-Control knob; 2-Lifting motor



## 27) Rear lights.

1-Rear side marker lamp (bayonet-coupled bulb 2W)

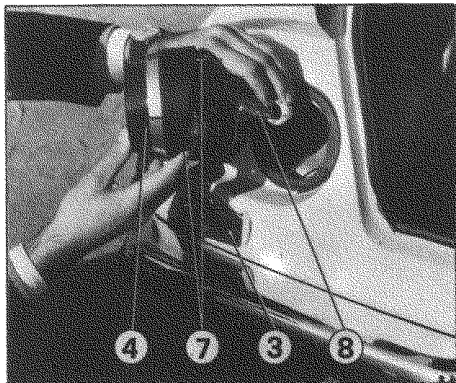
2-Direction indicator light (21 W bulb).

3-Reflex reflector.

4-Stop and parking light (twin filament bulb 5/21W)

5-Number plate lights (two 5W bulbs).

6-Back-up light (21W bulb).



### 28)Rear parking,stop,direction indicator lamps.

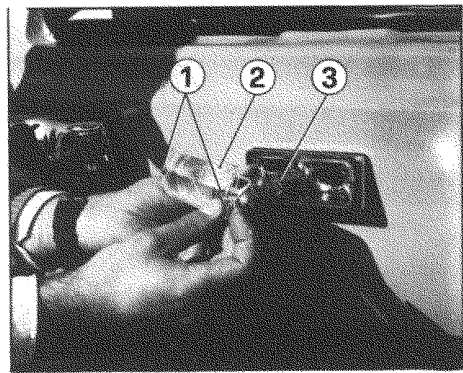
3-Reflex reflector.

4-Lens.

7-Lens fixing screws(three).

8-Bayonet-coupled,double-filament bulb,parking and stop lights(5/21W).

—U.S.Safety Standard 108.



### 29)Back-up lamp.

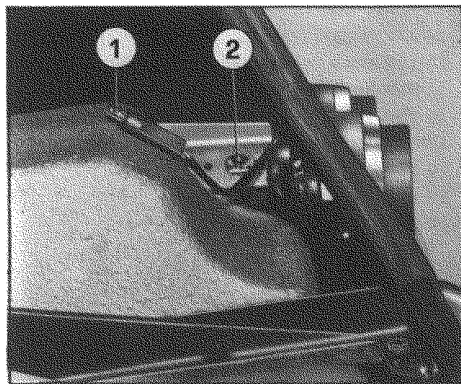
1-Lens fixing screws (two).

2-Lens.

3-Bayonet-coupled bulb.(21W).

The back - up lamp can be switched only with ignition key in position II.

(U.S.Safety Standard 108).



### 30)Rear side marker lamps.

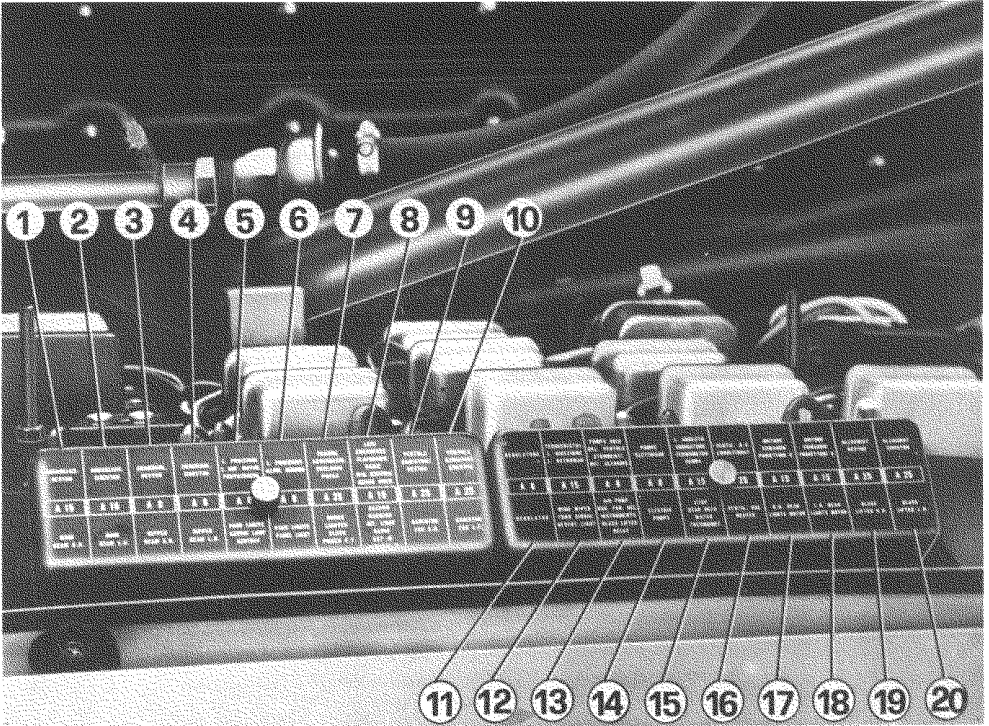
The rear bulb holders can be reached from inside luggage compartment.

Bulb holders are of the snap-in type and bulbs are bayonet-coupled.

1)Side marker bulb (2W).

2)Bulb holder seat.

(U.S.Safety Standard 108).



### 31) Fuse boxes (U.S.Safety Standard 108 ).

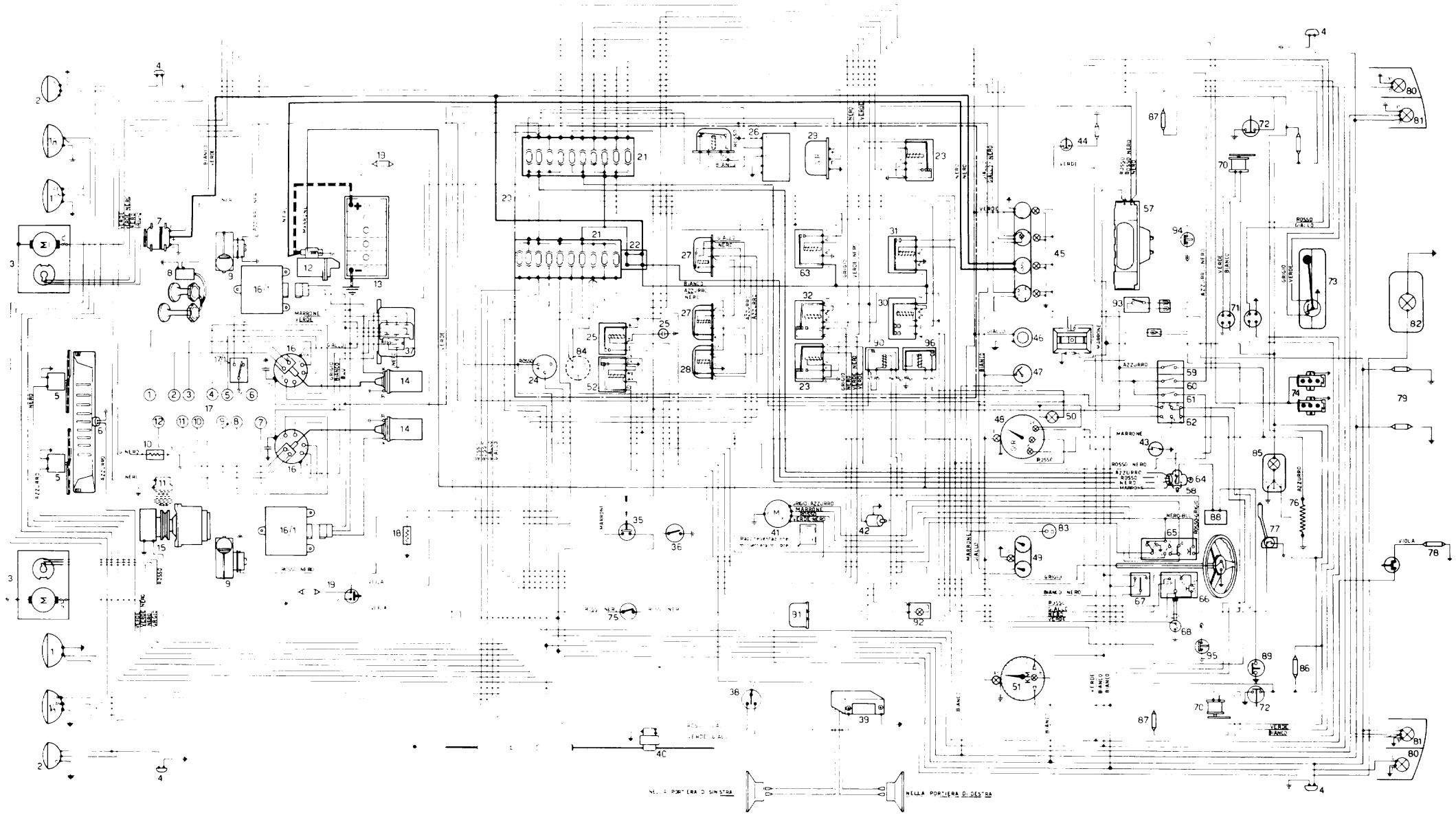
#### 1st FUSEBOX

- 1-15A-Right hand main beam.
- 2-15A-Left hand main beam.
- 3-8A-Right hand dip beam.
- 4-8A-Left hand dip beam.
- 5-8A-Parking lights-engine bay lights-ash tray light
- 6-8A-Parking lights-instruments lights.
- 7-25A-Horn-Cigarette lighter-clock-Power socket.
- 8-15A-Vehicular hazard warning lights-Interior li-
- ghts-Radio-Remove key indicator.
- 9-25A-Right hand radiator fan.
- 10-25A-Left hand radiator fan.

#### 2nd FUSEBOX

- 11-8A-Regulator.
- 12-15A-Windshield wiper-Direction indicators -
- Back-up light-Safety harness circuit.
- 13-8A-Air pump-Radiator fans relay instruments-
- Glass lifter relay.
- 14-8A-Electric pumps.
- 15-15A-Stop lights-Rear window demister-Water
- thermometer.
- 16-25A-Right and left heater fans-air conditioner.
- 17-15A-Right hand headlamp motor.
- 18-15A-Left hand headlamp motor.
- 19-25A-Right hand glass lifter.
- 20-25A-Left hand glass lifter.

32)Wiring diagram (U.S.Safety Standard 108).



## WIRING DIAGRAM LEGEND.

- 1-Headlamp main beam.
- 1/1-Headlamp dip beam.
- 2-Parking and direction indicator lights.
- 3-Headlamp lifting motor.
- 4-Side marker light.
- 5-Electric motor for radiator fan(Marelli).
- 6-Temperature sensitive switch for above.
- 7-Alternator.
- 8-Horn compressor motor.
- 9-Electric motors for heating/ventilating fans.
- 10-Transmitter for water thermometer.
- 11-Air conditioner compressor(on request).
- 12-Starter motor.
- 13-Battery.
- 14-Coils complete with resistors.  
(Marelli BAE 200 A).
- 15-Air pump electromagnetic clutch.
- 16-Distributor.
- 16/1-High tension transistor unit.(Marelli AEC 103 A).
- 17-Sparking plugs.
- 17/1-Distributor microswitch.
- 18-Transmitter for oil thermometer.
- 19-Engine compartment light.
- 20-Terminal board.
- 21-Fuses.
- 22-Terminal box-always live.
- 23-Headlamp motor relays
- 24-Direction indicator interrupter.
- 25-Horn relay FIAMM 12V and Marelli CE 32 A condenser.
- 26-Bompard-Daniell electronic block with air pump clutch relay.
- 27-Relay for radiator fan motor(Marelli TEL12B/1)
- 28-Relay for air conditioner (Marelli TEL 12 B/1).  
( -on request-)
- 29-Regulator unit.
- 30-Relay for parking light and headlamp main/dip beam (LUCAS 33231).
- 31-Headlamp relay(LUCAS 33213).
- 32-Headlamp motor relay(LUCAS 33222).
- 33-Relay for stop light circuit and warning light (LUCAS 18 RA).
- 34-Headlamp motor protection thermic cut-out.
- 35-Stop light thermic cut-out.
- 36-Switch on the brake circuit pressure control device
- 37-Anti-hop electronic unit for voice switch 17/1.
- 38-Electrically operated aerial switch-on request.
- 39-Radio-on request.
- 40-Electric aerial motor-on request.
- 41-Wiper motor.
- 42-Screen washer motor.
- 43-Choke warning light and switch.
- 44-Glove box light.
- 45-Instrument lights.
- 46-Cigarette lighter and ash-tray light.
- 47-Rheostat for instrument lights.
- 48-Rev counter.
- 49-Oil pressure and temperature gauges.
- 50-Warning light for:stop light failure-hand brake-low brake fluid level.
- 51-Speedometer.
- 52-Relay switch for windshield wiper motor.  
(LUCAS 33222).
- 53-Headlamp main beam warning light.
- 54-Warning light for electrically heated rear window.
- 55-Direction indicator warning light.
- 56-Parking light indicator,
- 57-Air conditioner unit-on request.
- 58-Switch for remove key indicator.
- 59-Electrically heated rear window switch.
- 60-R.H. ventilator switch.
- 61-L.H. ventilator switch.
- 62-Emergency flasher switch(type 45 SA).
- 63-Window operating motor relay.
- 64-Ignition switch and steering lock.
- 65-Wiper and screenwasher control lever.
- 66-Headlamp,dip,main beam and headlamp flash lever.
- 67-Direction indicator lever.
- 68-Parking light switch.
- 69-Horn button.
- 70-Window operating motor.
- 71-Window open/shut switch.
- 72-Interior light switch.
- 73-Fuel level gauge.
- 74-Electric fuel pumps.
- 75-Reverse light switch-mounted on gearbox.
- 76-Electrically heated rear window.
- 77-Handbrake warning light switch.
- 78-Luggage compartment light switch.
- 79-Number plate lights.
- 80-Rear direction indicator light.
- 81-Rear parking and stop lights.
- 82-Reverse light.
- 83-Power supply point.
- 84-Emergency flasher Interrupter.
- 85-Interior light in roof.
- 86-Interior lights under instrument panel.
- 87-Lights in doors.
- 88-Remove key buzzer.
- 89-Pushbutton for remove key indicator.
- 90-Relay switch for safety belts electric circuit,controlled by hand-brake lever.
- 91-Unfastened seat belts acoustic signal.

92-Unfastened seat belts warning light.

93-Switch under passenger's seat close with passenger seated.

94-Switch on passenger's safety belt, closed with unfastened belt.

95-Switch on driver's safety belt closed with unfastened belt.

96-Relay switch for checking efficiency of brake system failure warning light.

---

## TOOL KIT

---

In addition to the standard kit, a special key for octagonal hub nuts and air pump belt are provided.

MODENA **Ferrari** ITALIA