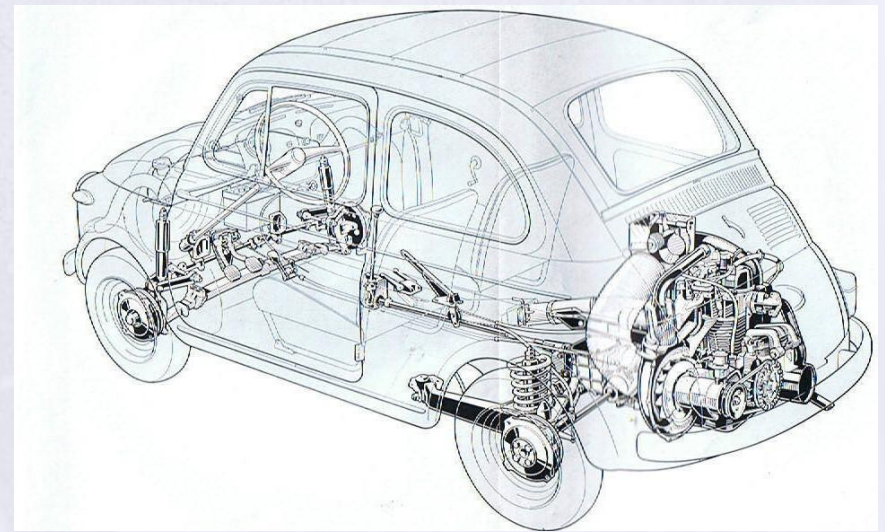


ENGELSK UDGAVE
MED DANSK INDHOLDSFORTEGNELSE



MARTS 2012

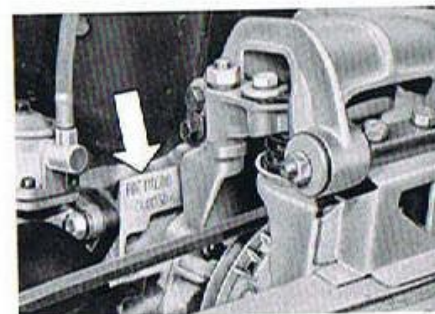
[INDHOLDSFORTEGNELSE KLIK HER](#)

FIAT
the new
500
TYPE 110
EXPORT VERSION

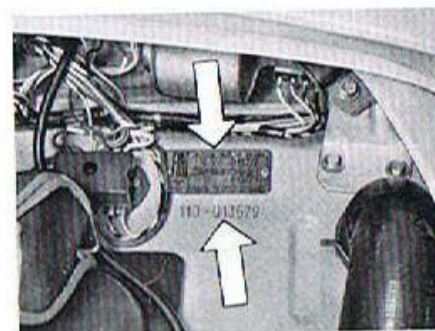
- ▶ **Operation**
- ▶ **Maintenance**
- ▶ **Specifications**

DIPARTIMENTO NORME E PUBBLICAZIONI

IDENTIFICATION DATA



Engine type and identification number.



Identification plate.

Car type and identification number.

KEYS

The two sets of ignition and door keys show key Manufacturer's name and are numbered. If one of the keys is lost, a new one may be obtained only if these data are quoted.

Spare keys are supplied as semi-finished blanks and must be adapted to ignition or door locks using the remaining key as a template.

IDENTIFIKATION

IGANGSÆTNING AF VOGN - VENTILATION I KABINE

HJÆLMKABEL - VARMEREGULERING

SOLTAG - HJULSKIFT

LØFTEPUNKTER - OLIEKONTROL OG PÅFYLDNING

MOTORRUM - SERVICESKEMA

OLIEINTERVAL OG SMØRESKEMA

VENTILJUSTERING - TAKTKÆDE - BENZINSYSTEM

KARBURATOR - VENTILATORREM - TAKTMÆRKER

KOBLING - GEARKASSE - BAGTØJ - BAGBREMSE

BREMSE - HÅNDBREMSE

HJULLEJER - BATTERI - FORLYGTER

BAGLYGTER - LYGTEJUSTERING

SIKRINGER

SPECIFIKATIONER

MOTOR

KØLESYSTEM - GEARKASSE - STYRETØJ

STYRETØJ JUSTERING

ELEKTRISK SYSTEM- MÅL OG VÆGT

EL-DIAGRAM

DØRLÅSE - SÆDER

INSTRUMENTPANEL - TÆNDINGSLÅS - MULTIKONTAKT

INDHOLDSFORTEGNELSE

KLIK PÅ DET ØNSKEDE EMNE

— Push choke lever (A) down **gradually** (carburetor starting device is adjustable in accordance with climatic and engine temperature conditions) bringing the lever to **stroke end** when engine has warmed up sufficiently. This prevents lubricant dilution.

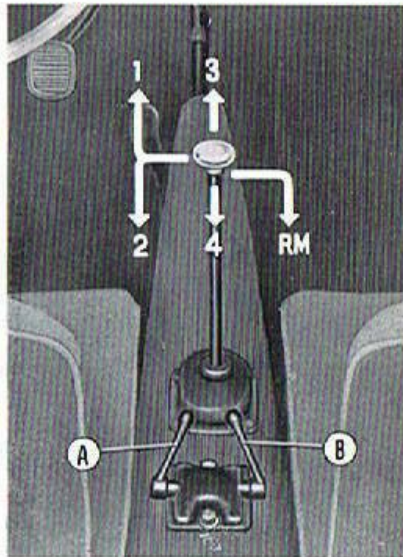
Hot starts.

Engine is warm:

Leave choke lever (A) down.

Engine is hot:

It might be necessary to **depress** accelerator pedal **fully**; then, release pedal as soon as engine fires.



Push in lever to engage reverse.

STARTING THE CAR

- | | |
|---------------------------------|---|
| a) Declutch. | this, press button on grip top). |
| b) Engage 1st gear. | d) Release clutch pedal gradually and at the same time accelerate slowly. |
| c) Release parking brake (to do | |

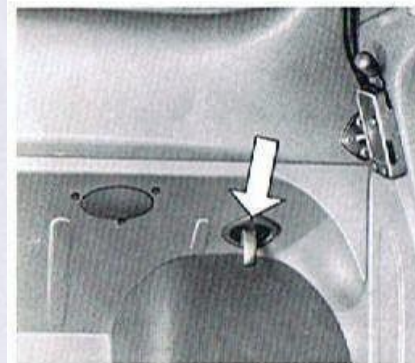
ON THE ROAD

- **Never exceed** (not even on downgrades) the speed limits for each gear, indicated by red spots on speedometer dial.
- During regular engine operation, all warning signals (red indicators) on panel **must be OFF**.

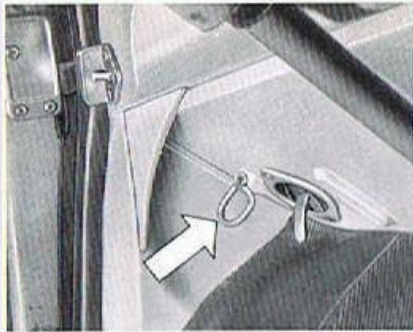


AIR CONDITIONING

Summer ventilation. Front air intakes ducted to car interior.



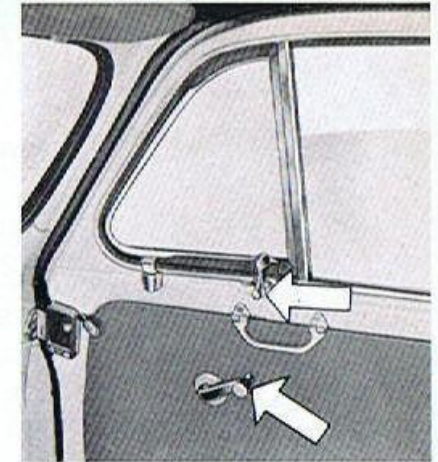
Hand-controlled butterfly valves, for admission of air, located on panel lower ends.



FRONT COMPARTMENT LID

To release front lid, pull the control.

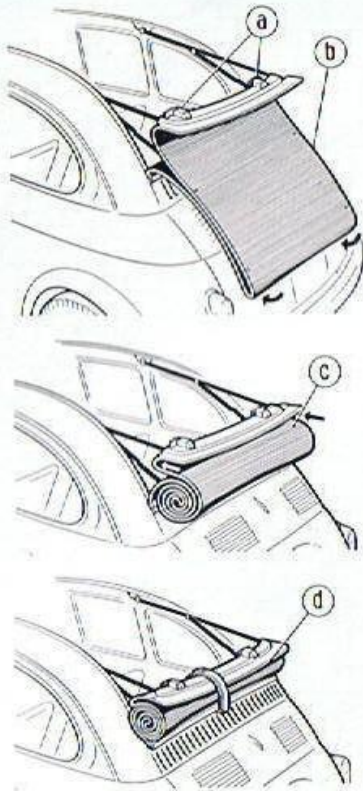
To lift the lid, insert fingers and push in the safety catch (A).
Lid kept raised by prop (B).



Door windows with front swivelling vent wing, to improve ventilation, and regulator-controlled rear drop glass.

Winter heating. The admission of warm air in car, through two tunnel side outlets, may be adjusted by turning the control lever rightwards (air flow circuit is excluded when lever is turned leftwards).





OPENING THE ROOF

- a) Release the two front latches.
- b) Tilt bows backwards and stretch out the top.
- c) Roll the top in such a way that the fabric face contacting the engine lid is coiled inside the roll; raise slightly the supporting frame and pull the fabric towards the inside of car so as to cover and protect the plastic window from scratches.
- d) Lower the frame over the rolled top being careful that the cooling air intake slots are well clear. Then, secure the roll with the strap provided.

To clean the top, wash with a sponge soaked in slightly lathered water.

STARTING THE ENGINE

Position of controls for cold starts.

- a) Gearshift lever in neutral.
- b) Choke lever (A, page 17): pulled fully up.
- c) Ignition lock switch key: turned clockwise to the stop.

d) Clutch pedal: pushed fully in (this is recommended, especially when engine is cold).

With controls set as described above:

— pull up starter control lever (B, page 17). **Do not press accelerator pedal** until engine is started up. When engine fires regularly, push lever down as far as it will go.



HOW TO CHANGE WHEELS

- a) If possible, place car on level ground and, to prevent any accidental movement, lock rear wheels by applying the parking brake.
- b) Remove wheel cap by unscrewing the central mounting screw.
- c) Using the speed handle, slacken fixing screws about one turn.
- d) Place jack nub in bracket under car floor, then jack up until wheel to be removed clears the ground.
- e) Undo and remove the four fixing screws. Pull off wheel.
- f) Fit spare wheel. The wheel location dowel on brake drum must fit into the hole provided in wheel disc.
- g) Insert wheel fixing screws and tighten uniformly in criss-cross sequence.
- h) Lower car and remove jack.
- i) Tighten wheel fixing screws fully and re-fit the cap.

MAINTENANCE



JACKING UP THE CAR

When either the front or rear end of car must be raised with a garage jack, it is indispensable to fit jack head under the specially designed brackets, as shown.

At rear, however, a wooden block at least 3 cm (1.2") thick must **always** be interposed between jack head and bracket.



CONSULTING THE CHARTS

The periodical maintenance operations recommended in relation to given mile-ages, are listed in two charts: one covers the points to be lubricated and the other the cleaning, inspection and adjustment operations. Each operation is identified by a number and, in the corresponding note, reference is made to the page where the operation is described.

In the lubrication chart is also given, next to each operation, a symbol indicating the grade of lubricant to be used.

For oil grades not mentioned here, see page 46.

ENGINE LUBRICATION

Sump.

Every 500 km (300 miles): check oil level. It must always result between the **Min** and **Max** marks on indicator rod. Do this after running the engine for about 1 minute.

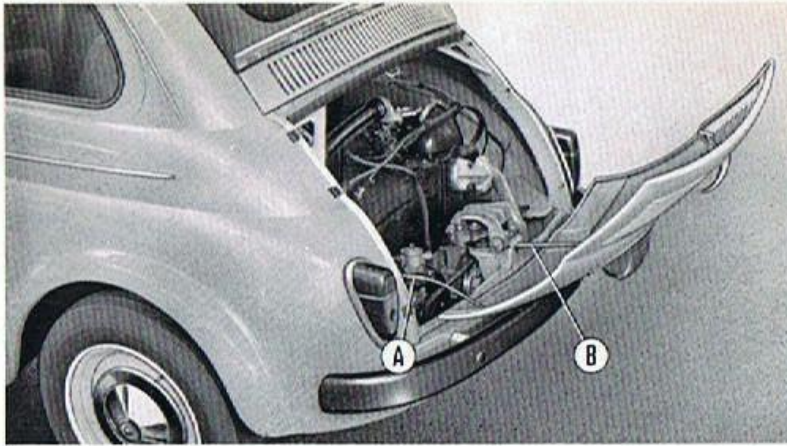
Every 2.500 km (1,500 miles): replace oil. With engine well warmed up, allow to drain for at least 10-15 minutes while cranking the engine with the electric starter (ignition OFF) to empty crankshaft of any oil.

When engine is new, replace the running-in oil after the first 1.500-2.000 km (900-1,200 miles) with regular grade oil, following a thorough

washing. After 3.000-4.000 km (1,800-2,400 miles) renew oil.

Centrifugal oil filter: disassemble and clean accurately only when proceeding with a general overhaul of engine.





ENGINE COMPARTMENT

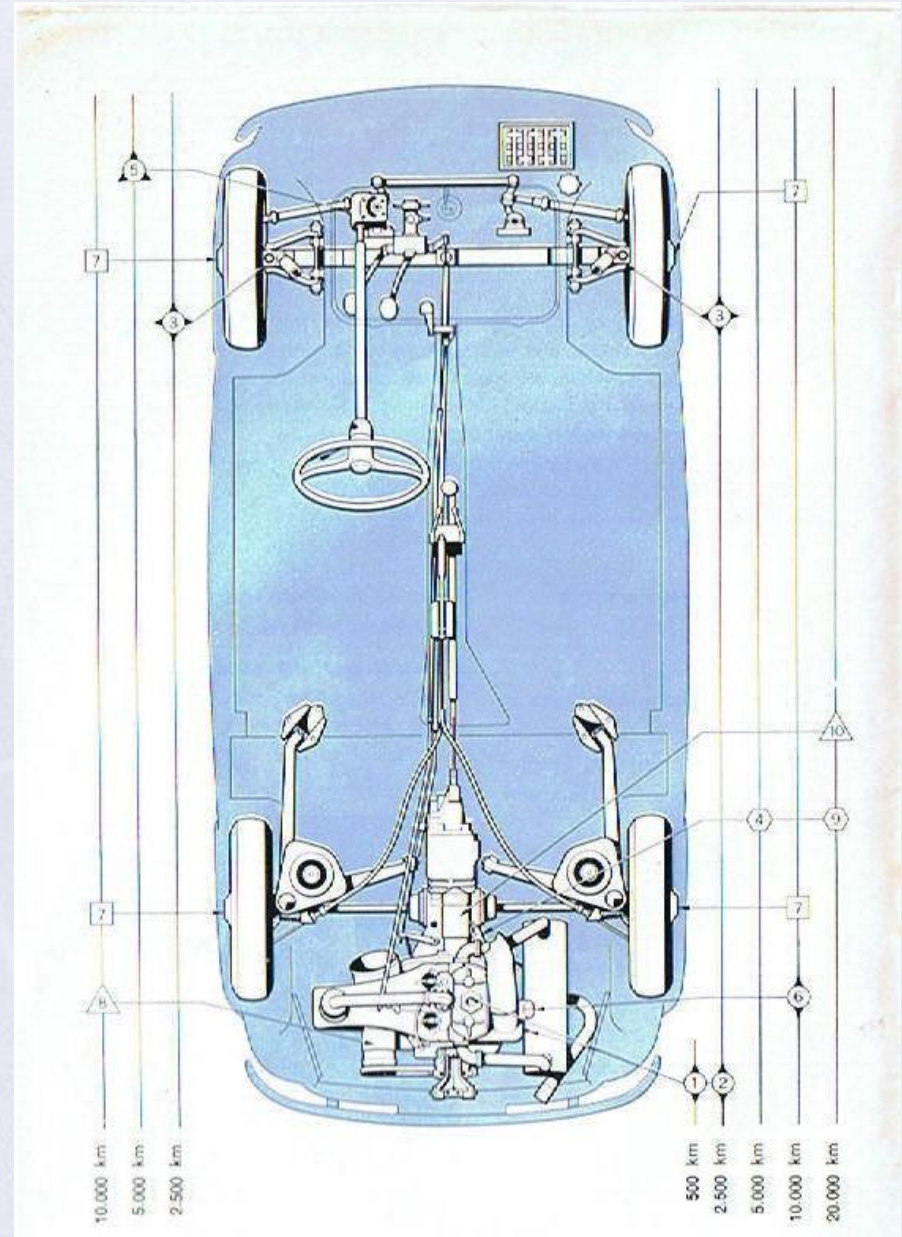
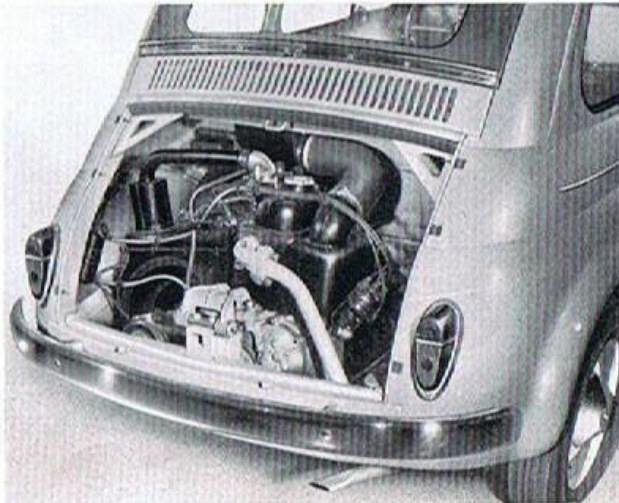
To open the lid, pull the handle.

To remove the lid, if necessary:

- disinsert the number plate lamp cable plug-in connection (A);
- disconnect the limiter strap (B),

after suitably orienting the retaining crosspiece;







- back out the nut on right hinge pin and remove the lid from its hinges.

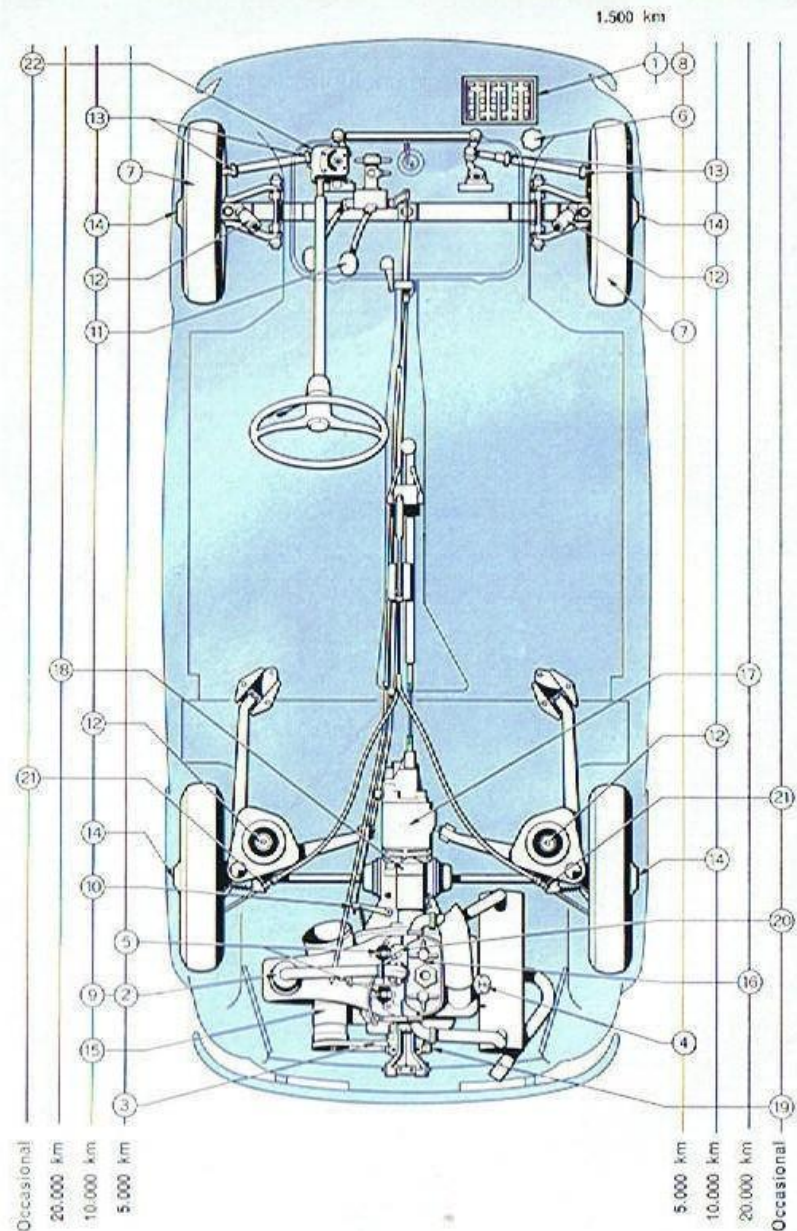


GENERAL LUBRICATION DIAGRAM

Every 500 km (300 miles)		
1. Sump	.....	21
Every 2.500 km (1.500 miles)		
2. Sump	.....	21
3. King pins	.....	31
Every 5.000 km (3.000 miles)		
4. Gearbox and differential	.....	29
5. Steering box	.....	32
Every 10.000 km (6.000 miles)		
6. Ignition distributor	.....	28
7. Front and rear wheel bearings	.....	34
8. Generator	.....	34
Every 20.000 km (12.000 miles)		
9. Gearbox and differential	.....	29
10. Starter	.....	34

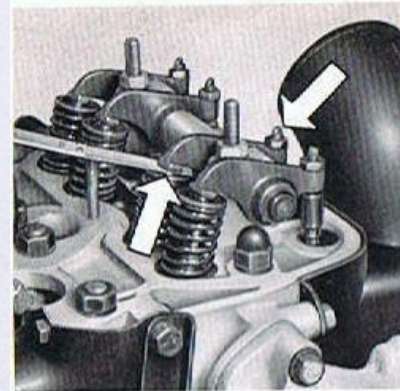
LUBRICANTS

		
Engine oil (see page 46)	FIAT E oil	FIAT A 11/L grease
		
FIAT CP 90 oil	FIAT W 90 oil	FIAT Jota 3 and Jota 1/M grease



INSPECTION, CLEANING AND ADJUSTMENT DIAGRAM

Every 1.500 km (900 miles)		Page
1. Battery	.....	34
Every 5.000 km (3,000 miles)		
2. Air cleaner	.....	26
3. Generator and blower drive belt	.....	27
4. Ignition distributor	.....	28
5. Spark plugs	.....	28
6. Brake fluid reservoir	.....	30
7. Tires	.....	34
8. Battery	.....	34
Every 10.000 km (6,000 miles)		
9. Air cleaner	.....	26
10. Clutch	.....	29
11. Hydraulic brake system	.....	30
12. Hydraulic shock absorbers	.....	31
13. Steering rods	.....	33
14. Front and rear wheel bearings	.....	34
15. Generator	.....	34
Every 20.000 km (12,000 miles)		
16. Valve gear	.....	26
17. Gearbox and differential	.....	29
18. Starter	.....	34
Occasional		
19. Centrifugal oil filter	.....	21
20. Carburetor	.....	27
21. Parking brake	.....	31
22. Backlash between worm screw and sector	.....	32



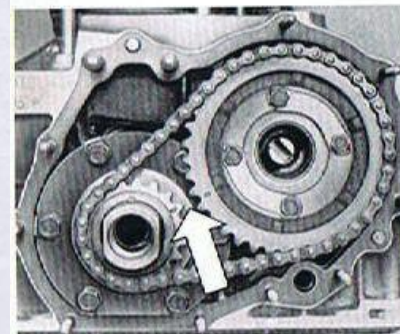
VALVE GEAR

Valve clearance: when engine is new, check valve tappet clearance after the first 1.500-2.000 km (900-1.200 miles) and after 3.000-4.000 km (1.800-2.400 miles). Specified clearance, with cold engine, is 0,10 mm (.0039") (intake and exhaust). Subsequently, this clearance ought to be checked only if tappet operation develops noise.

Valve gear timing: with reference marks lined up as shown, timing is correct.



Every 20.000 km (12,000 miles): have an overall inspection of timing mechanism made at a Service Station.



FUEL SYSTEM

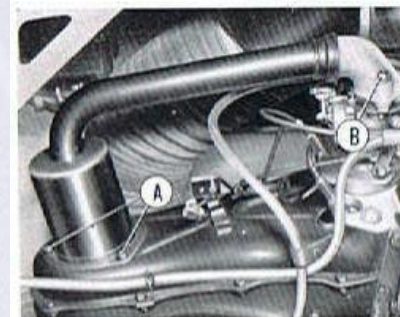
Air cleaner:

Every 5.000 km (3,000 miles): clean cartridge accurately by shaking off the dust and blowing with a low-pressure air blast. If restriction is excessive, replace.

Undo screws (A) and nuts (B) to disassemble the cleaner.

Every 10.000 km (6,000 miles): replace the cartridge.

When dusty conditions prevail, clean and replace cartridge more often.

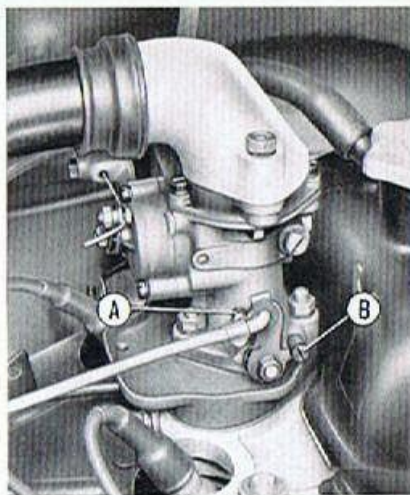


Carburetor.

If engine, though warm, tends to stop at idle speed, correct throttle opening slightly by setscrew (A). Screw (B) varies idle mixture richness.

Cleaning of jets or inner strainer, if necessary, should be performed exclusively by using an air blast.

Performance of the above operations by skilled repairmen is recommended.



Always consult a FIAT Service Station for carburetor operational troubles.

COOLING

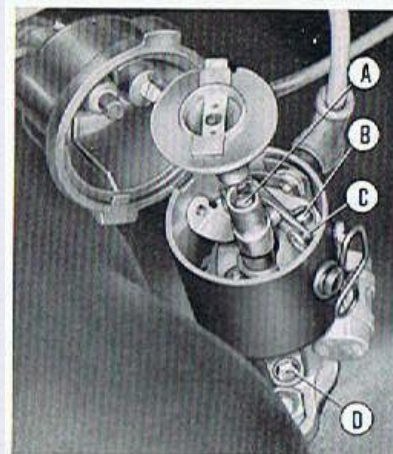
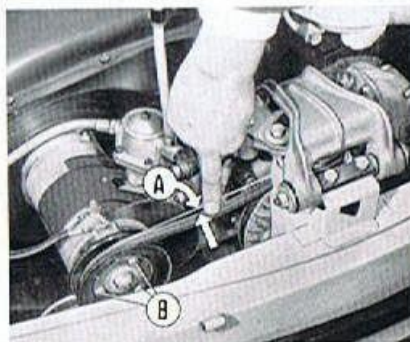
Generator and blower drive belt.



Every 5.000 km (3,000 miles): check belt tension. Correct sag (A), under a pressure of 10 kg (22 lbs): about 1 cm (.4").

To stretch the belt:

- Back out the three pulley mounting nuts (B).
- Remove outer semi-pulley.
- Take out one spacer ring (or more) to narrow up pulley groove.
- Re-install the semi-pulley, with the spacer ring(s) removed on its outer face.



IGNITION

Ignition distributor.

Every 5.000 km (3,000 miles): check breaker point gap which must be 0,42-0,48 mm (.016"-.019").

Every 10.000 km (6,000 miles): wet wicks (A-D) with a few drops of engine oil (*).

- A - Wick.
- B - Adjustable contact carrier plate screw.
- C - Contacts.
- D - Plug to be removed for access to shaft wick.

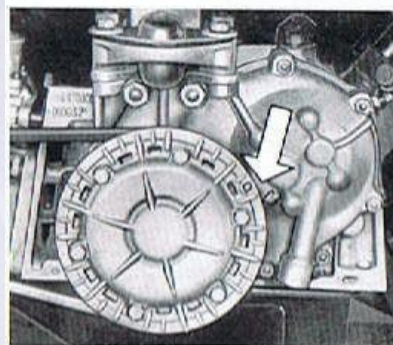
Spark plugs.

Every 5.000 km (3,000 miles): clean spark plugs and check electrode gap (0,5-0,6 mm = .0197"-.0236") (*).

Ignition timing.



This timing is necessary when the distributor shaft and/or camshaft have been removed. When distributor has been removed without disturbing the crankshaft, no timing operation will be required after reassembly.



Time distributor to engine as follows:

- Make sure cylinder No. 1 is in the compression stroke, i.e., with both valves closed.

Bring crankshaft to the position in which the mark on generator and blower drive pulley will be located 13-14 mm (.51" to .55") ahead of the mark on timing gear cover; this corresponds to a 10° B.T.D.C. advance.

(* See « Safe Motoring Hints ».

- Remove distributor cap and rotate drive shaft by hand until rotor points to contact for firing in cylinder No. 1 (reference numbers for cable connection to cylinders in desired sequence are marked on cap).


In this position, contacts are about to snap open (check first if

max. contact distance is 0,42-0,48 mm = .016"-.019").

- Without disturbing distributor shaft, insert lower coupling on its toothed end, install support and tighten the lock screw.
- Check cables for correct connection to spark plugs.

POWER TRAIN


Clutch.

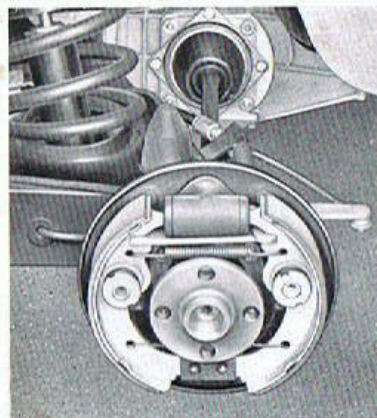
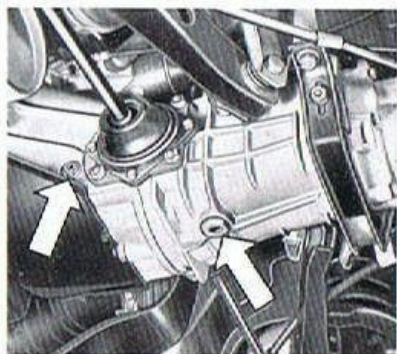
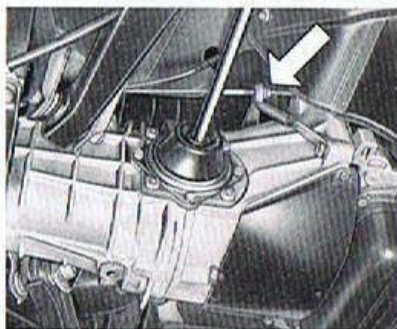
 Every 10.000 km (6,000 miles): check that clutch pedal is set for an approximate 35-40 mm (1.38" to 1.57") free travel. If necessary, re-adjust by stretcher. Secure in position by locknut.

Gearbox and differential.

Every 5.000 km (3,000 miles): check oil level which must reach plug bottom face.

Every 20.000 km (12,000 miles): renew oil after washing carefully the casing with kerosene. Let drip thoroughly before refilling.

 Possibly, have differential bearings and final drive gears checked for play at a FIAT Service Station.




BRAKES

Brake fluid reservoir.

Every 5.000 km (3,000 miles): check level and, if required, top up.

Use exclusively the special FIAT blue brake fluid (or equivalent non-mineral HD fluid).

Brake system.

 Every 10.000 km (6,000 miles): a complete inspection of the system should be performed at a Fiat Service Station.

Brake shoes are self-adjustable and, hence, no shoe clearance adjustment will be required.

In case brake system has been drained it must be air bled, after refilling.

This is a delicate operation and should be entrusted to a Fiat Service Station. However, for those who decide to do the work themselves the following steps have been outlined for their guidance:

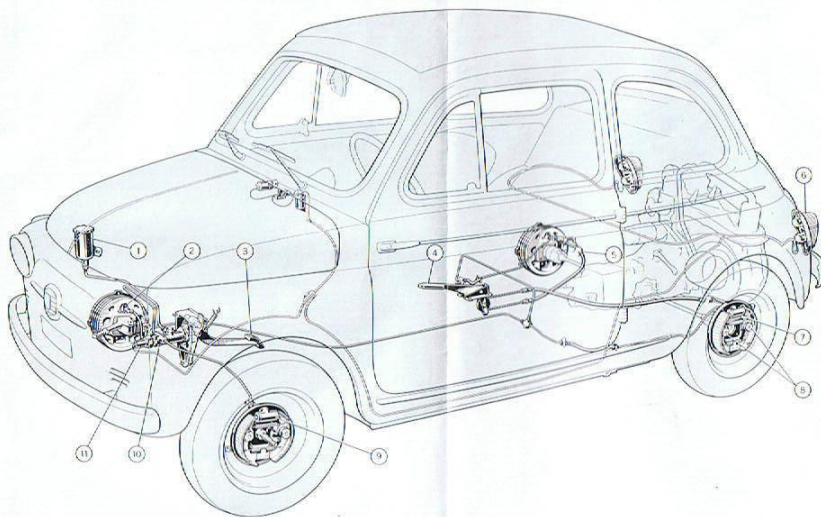
- Wipe off any dirt from tip of bleeder connection on top of each wheel cylinder (see diagram). If necessary, unclog central hole.
- Fit one end of bleeder hose on wheel cylinder bleeder and slacken the screw half a turn.

— Immerse the other hose end in a transparent vessel partially filled with brake fluid.

- Pump pedal repeatedly and slowly, and watch the fluid running out of hose into vessel; stop pumping when fluid issues in a solid stream without bubbles.

- While keeping brake pedal depressed, tighten bleeder connection and remove bleeder hose. Clean connection tip of any fluid.

Repeat bleeding operation on each wheel cylinder, making sure fluid level in reservoir is always sufficient.



Brake system diagram.

1. Brake fluid reservoir - 2. Bleeder connection - 3. Service brake pedal - 4. Hand lever, mechanical brake on rear wheels - 5. Hand lever adjustment stretchers - 6. Stop lamps - 7. Mechanical brake operating lever - 8. Shoe clearance adjusting device - 9. Wheel cylinder - 10. Master cylinder - 11. Stop light pressure operated switch.

New 500

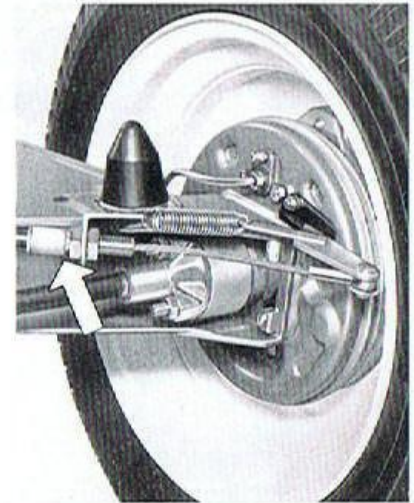
After bleeding the system, top up reservoir to fill mark.

WARNING! Never re-use the fluid emptied into vessel unless it has been filtered very carefully.

Parking brake.

FIAT SERVICE If the brake is unable to hold the car when hand lever is pulled to stroke end, bring lever to position of rest, then screw in both stretchers located near the brakes on rear wheels.

Make sure that when lever is pulled to apply brake, the cable stretches sufficiently before hand lever comes to stroke end.



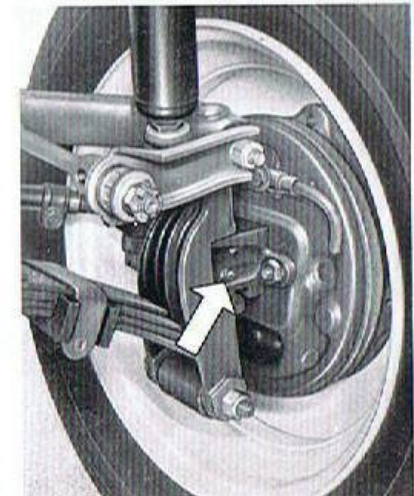
SUSPENSION

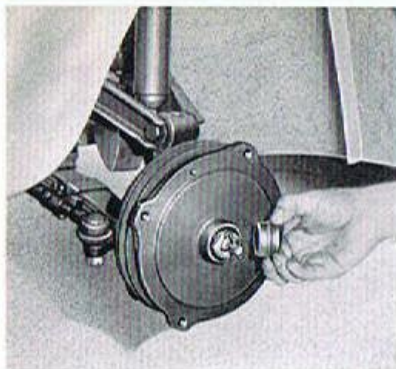
King pins.

Every 2.500 km (1,500 miles): inject some FIAT E oil in lubricators.

Shock absorbers.

FIAT SERVICE **Every 10.000 km (6,000 miles):** (or whenever dampening action becomes irregular) have shock absorbers checked at a Fiat Service Station.





Front and rear wheel bearings.

Fiat Service Every 10.000 km (6,000 miles): have them lubricated with Fiat A 11-L grease and adjusted at a Fiat Service Station.

Tires.

Every 5.000 km (3,000 miles): To equalize tire wear, rotate tires in criss-cross fashion (See « Safe Motoring Hints »).

GENERATING AND STARTING EQUIPMENT

Battery.

Every 1.500 km (900 miles): with battery at rest and cold, check electrolyte level and, if necessary, add distilled water up to 3-5 mm (.12"-.20") above separators. In summer, check electrolyte more often.

Every 5.000 km (3,000 miles): check terminals and clamps for tightness and cleanliness, coating them with pure rosy vaseline. In case the car is garaged for a considerable time, see « Safe Motoring Hints ».

Generator.

Fiat Service Every 10.000 km (6,000 miles): clean commutator carefully with a dry cloth; check brushes for wear and contact conditions, and replace if necessary.

Lubricate blower end bearing with Fiat Jota 3 grease.

Starter.

Fiat Service Every 20.000 km (12,000 miles): clean commutator carefully; check wear and contact conditions of brushes and, if necessary, replace. When servicing starter, lubricate free wheel components with Jota 1/M grease.

Generator regulator.

Fiat Service No tampering with this unit by unauthorized personnel should be permitted. Owners should have the unit overhauled exclusively at a Fiat Service Station. If a radio is fitted on the car, do not insert any interference sup-

pression condenser between terminal No. 67 and ground, either of regulator or generator, since this would cause a rapid wear of contacts of the unit which normally does not cause radio interference. Furthermore, never interchange terminals No. 67 and No. 51 or else the regulator would be irreparably damaged.

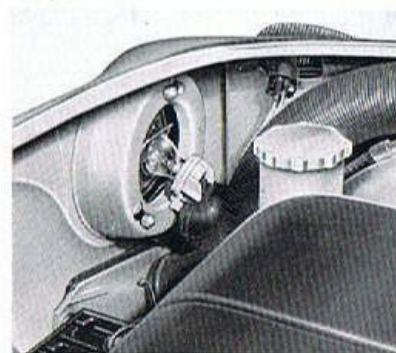
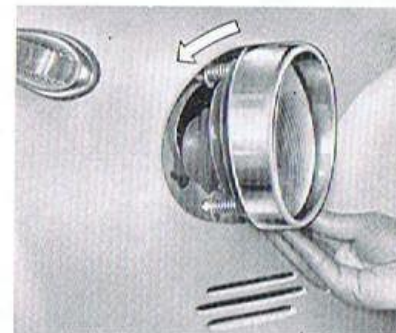
LIGHTS

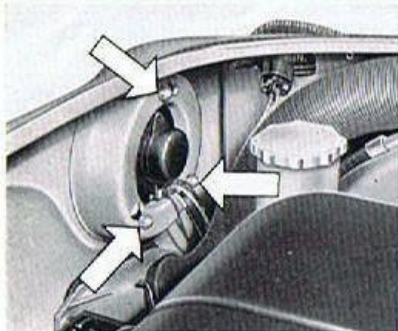
Headlamps.

Replacement of headlamp parts. Press on lens and rotate slightly counterclockwise.

The replacement of bulb alone, is more easily done from inside front compartment.

Important. Headlamp reflectors are aluminized; therefore, during disassembly, be careful not to soil or touch the reflecting surface with fingers. Should reflector be dusty, clean preferably with an air blast or a leather duster. Never use a cloth, which would impair the reflecting surface brilliancy.





— cast beams on screen; center of beam pool must be 2-3 cm (.78"-1.18") lower than headlamp center.

The vertical adjustment is carried out by turning of the same amount and in the same direction the two lower screws while turning the upper screw in the opposite direction.

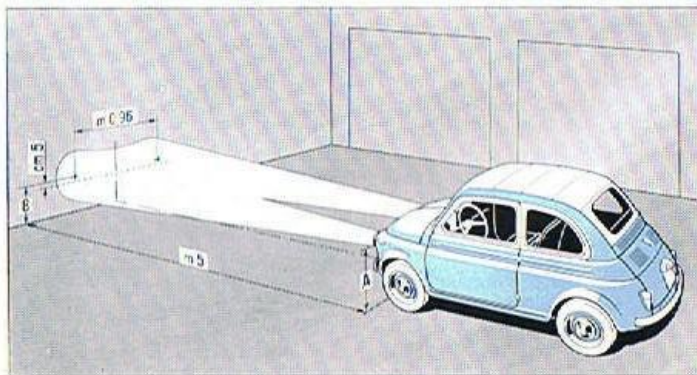
The horizontal adjustment is obtained by turning in opposite directions the two lower screws without disturbing the upper screw.

Headlamp aiming.

Fly SERVICE When headlamps have been totally disassembled (shell included) high beams must be re-aimed, with car unladen, as follows:

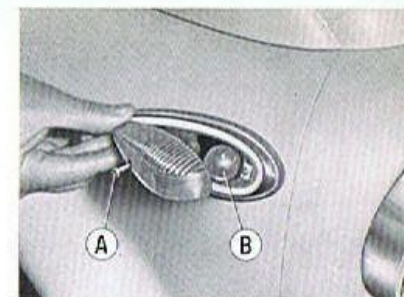
- place car at 5 m (16.4') from a vertical screen;
- weigh down repeatedly on rear bumper;

B = A less 2-3 cm (.78" - 1.18").



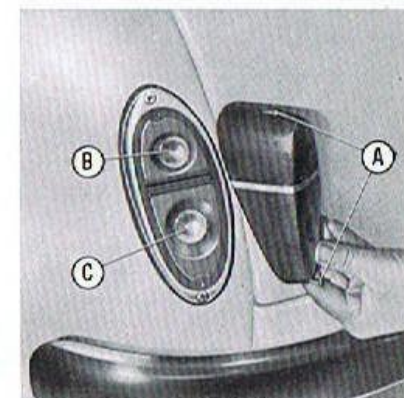
Front parking and direction indicator lamps.

- (A) Lens mounting screw.
- (B) Bayonet-coupled bulb.



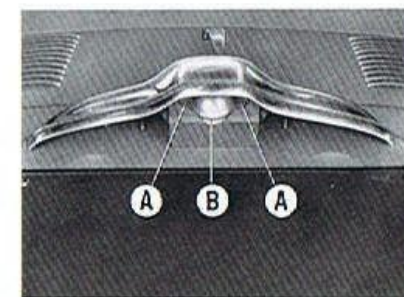
Rear parking, stop and direction indicator lamps.

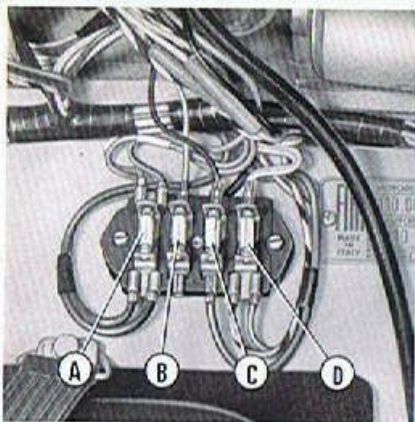
- (A) Lens mounting screw.
- (B) Bayonet-coupled bulb (direction indicator).
- (C) Bayonet-coupled bulb (parking and stop).



Number plate lamp.

- (A) Lens and light cap mounting screws.
- (B) Lens.





Fuses.

Four 8 Ampere fuses, arranged in front compartment. Before replacing a burnt fuse trace the cause of blowing and remedy accordingly.

Unprotected circuits: battery charge with generator charge indicator, ignition, starting, fuel reserve indicator, and insufficient oil pressure indicator.

Protected circuits			
A - Fuse No. 30/1	B - Fuse No. 30/2	C - Fuse No. 30/3	D - Fuse No. 15/4
<ul style="list-style-type: none"> - Horn. - Bulb in rear-view mirror. - Windshield wiper. 	<ul style="list-style-type: none"> - Right headlamp (high beam). - Front parking lamps and pilot light. - Rear parking lamps. - Number plate lamp. 	<ul style="list-style-type: none"> - Left headlamp (high beam). - Headlamp low beams. 	<ul style="list-style-type: none"> - Panel light. - Rear stop lamps. - Direction indicators and pilot light.

TOOL KIT

In a bag located in front compartment, above fuel tank.

Bag, containing:

- Wrench, double end, 8 x 10 mm.
- Wrench, double end, 12 x 14 mm.
- Wrench, double end, 17 x 19 mm.
- Cutting pliers.
- Punch, straight.
- Screwdriver.
- Wrench, socket, for spark plugs.
- Speed handle.
- Jack.

SPECIFICATIONS

ENGINE

Type	110.000
Number and arrangement of cylinders	2, in line
Bore and stroke	66 x 70 mm (2.598" x 2.755")
Total piston displacement	479 cc (29.23 cu.in.)
Compression ratio	6,55 to 1
Max power (with blower, less silencer)	15 HP
Corresponding rpm rate	4000

FUEL SYSTEM

Weber 26 IMB carburetor, with gradual-action starting device.

Carburetor data:

Venturi diameter	20,00 mm
Main jet diameter	1,10 mm
Idle jet diameter	0,45 mm
Starting jet diameter	0,90 mm

LUBRICATION

Normal lubrication pressure:
2,5 to 3 kg/cm² (35.5 to 42.6 p.s.i.).

VALVE GEAR

Overhead valves. Timing data:

Intake	Opens: B. T. D. C.	20°
	Closes: A. B. D. C.	50°
Exhaust	Opens: B. B. D. C.	50°
	Closes: A. T. D. C.	20°

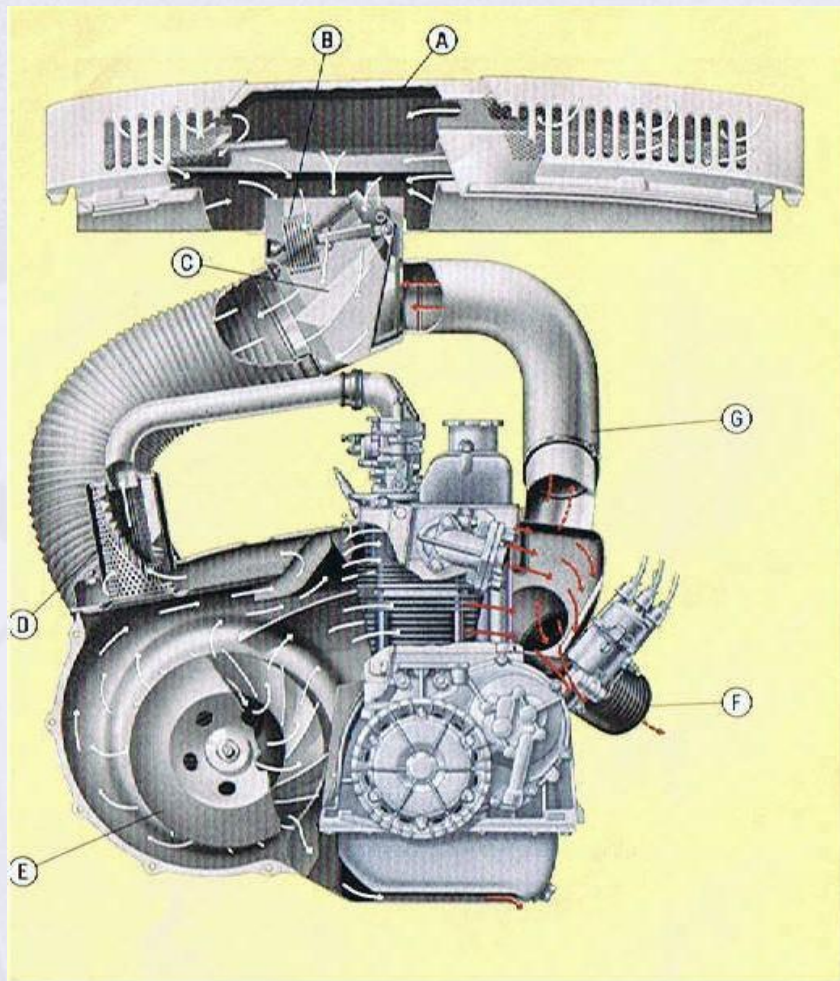
Tappet clearance adjustment for valve timing 0,45 mm
(.0177")

Final tappet operation clearance adjustment, with cold engine:
intake and exhaust 0,10 mm (.004")

IGNITION

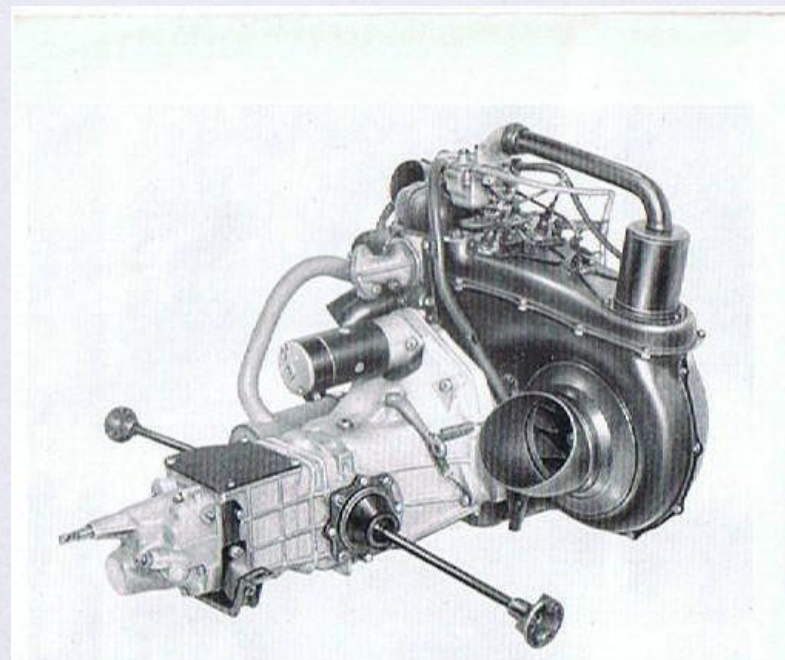
Static advance	10°
Centrifugal advance	18°
Ignition point gap	0,42-0,48 mm (.0165" - .0189")

M 14-12/225-Var. 3 spark plugs: diameter and pitch (metric) 14 x 1,25 mm
Spark plug gap 0,50-0,60 mm
(.0197" - .0236")



Engine cooling air circulation.

A. Air intake - B. Thermostat - C. Shutter in open position (outer temperature below 0° C) - D. Carburetor air cleaner - E. Blower, with cowling - F. Conveyor hose, warm air into car - G. Air recirculation hose (closed by shutter C when outer temperature is above 20° C).



Power plant.

POWER TRAIN

GEARBOX AND DIFFERENTIAL

Ratios:	
1st gear	3,273
2nd »	2,067
3rd »	1,300
4th »	0,875
Reverse	4,134

Differential unit and final drive reduction ratio 8 to 41

STEERING AND WHEELS

STEERING

LHD; RHD optional.

Control by worm screw and helical sector; ratio . . . 2/26

Turning circle diameter 8,60 m (28 ft 3 in.)

Front wheel toe-in (laden car) 0 to 2 mm (0 to .03")

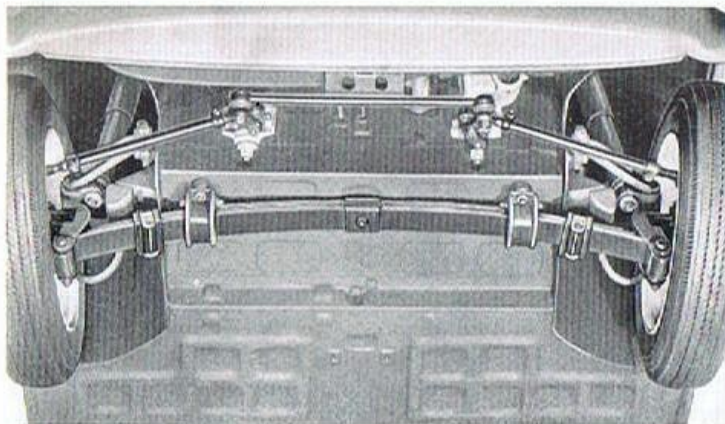
Front wheel camber (laden car) 5 to 6 mm (.197" to .236")

WHEELS AND TIRES

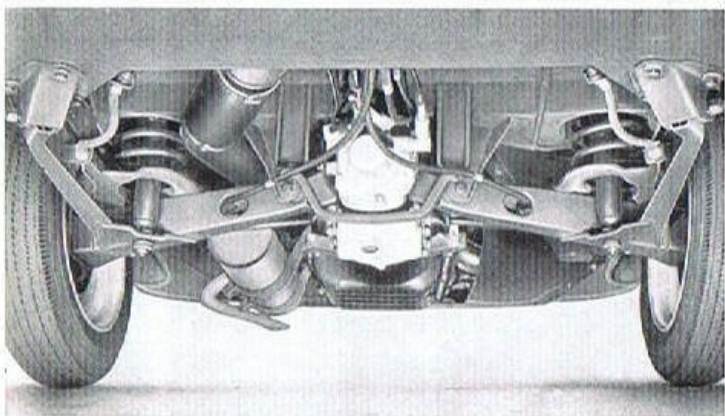
Disc wheels, with rims type . . 3 1/2" x 12"

Low pressure tires 125-12"

Tire pressures	front	1,10-1,15 kg/cm ² (15.6-16.3 p.s.i.)
	rear	1,50-1,60 kg/cm ² (21.3-22.8 p.s.i.)

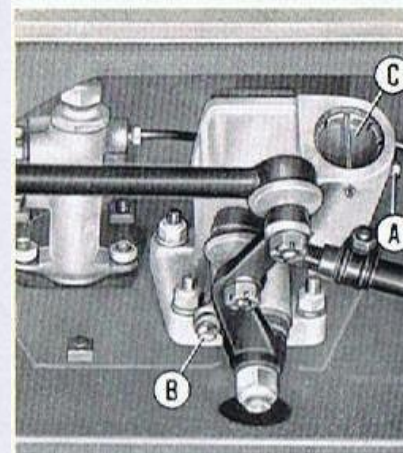


Front suspension.



Rear suspension.

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STEERING AND WHEELS

Steering box.

Every 5.000 km (3.000 miles): check oil level which must reach bottom face of plug (A).

Steering gear adjustments.



If excessive play in steering gear develops or if improper response to steering is noticed, have steering mechanism inspected and adjusted at a FIAT Service Station. The adjustments must be carried out as follows:

a) Backlash between worm screw and sector:

— remove adjustment plate fixing screw (B) and rotate eccentric bush by adjustment plate to bring sector closer to worm screw. Secure plate again by using the second fixing hole.

— should adjusting plate be already fixed in second hole (which would impede repositioning after rota-

tion) remove plate from bush, rotate one or more serrations and secure. For this operation, steering box must be removed from car.

b) Play in worm screw roller bearings:

Screw up the adjuster ring (C).

Both adjustments should eliminate any play without rendering steering too stiff.

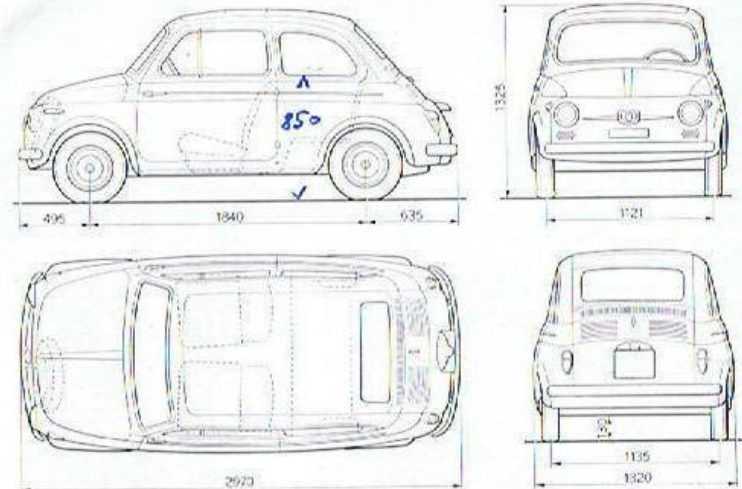
32

ELECTRIC SYSTEM

Tension	12 Volts	BATTERY
GENERATOR		capacity at 20-hr discharge rate 32 Ah
FIAT	130 Watts	
Cut-in speed (lights out)	engine, abt. 800 rpm car in top gear 18 km/h (11.2 m.p.h.)	STARTER
		FIAT: power 0,5 kW

BULBS

LOCATION	TYPE	WATTAGE (12 Volts)
— Headlamps high beam low beam	spherical, double filament	45 40
— Front lamps direction indicators parking lights	spherical, double filament	20
— Tail lamps stop lights parking lights		
— Tail lamps direction indicators	spherical	20
— Number plate lamp	spherical	5
— Rear view mirror lamp	cylindrical	3
— Instrument panel light — Generator charge indicator — Direction indicators pilot light — Insufficient oil pressure indicator — Fuel reserve indicator — Parking lights indicator	tubular	2,5



Maximum height is intended with unladen car.

495 mm — 19.5" 1840 mm — 72.4" 635 mm — 25" 1121 mm — 44.1" 1325 mm — 52.0"
2970 mm — 116.93" 1135 mm — 44.7" 1520 mm — 59.8"

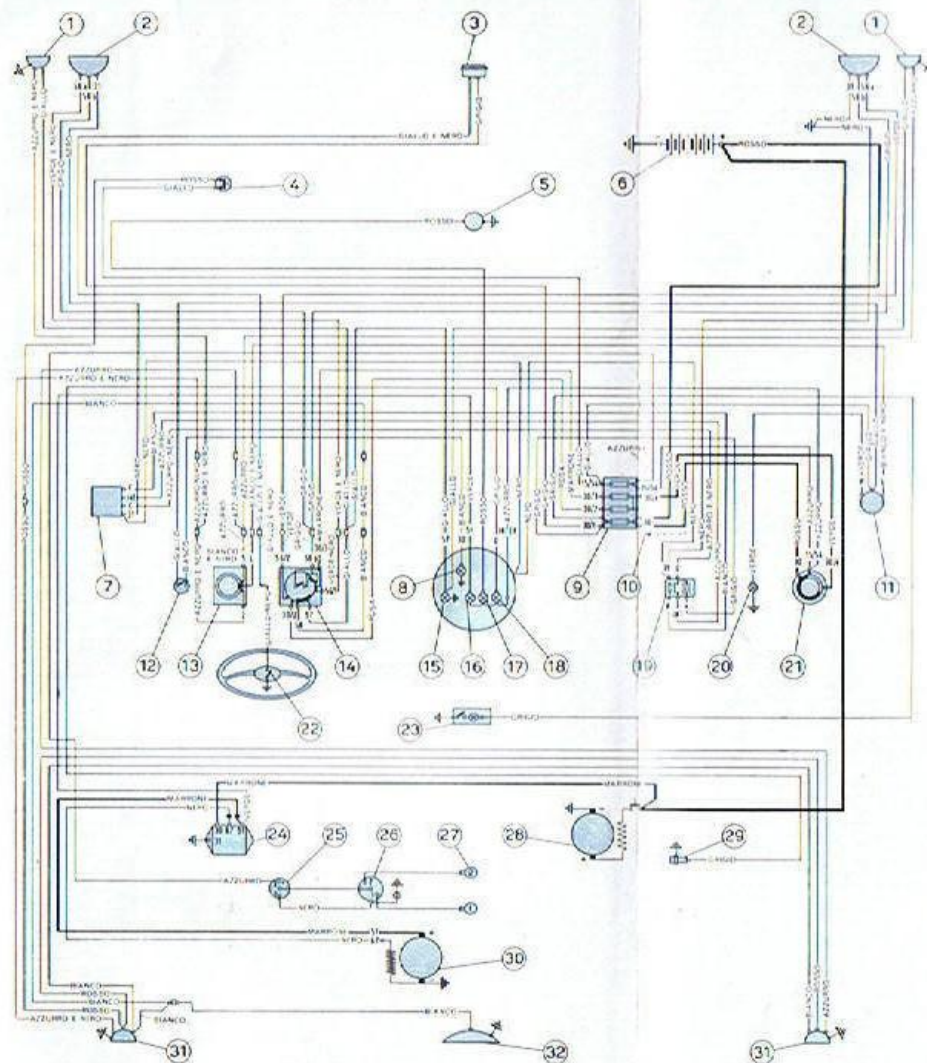
WEIGHTS

Curb weight 485 kg (1070 lbs)
Gross weight 695 kg (1532.5 lbs)



Maximum speeds - m.p.h.

Maximum climbable gradients



WIRING DIAGRAM

1. Front parking and direction indicator lamps.
2. Headlamps (high and low beams).
3. Horn.
4. Stop lights pressure-operated switch.
5. Fuel reserve indicator sending unit.
6. Battery.
7. Windshield wiper motor.
8. Panel light.
9. Fuses.
10. Output, radio power cord.
11. Flasher (direction indicators).
12. Panel light switch.
13. Direction indicators switch.
14. Outer lighting change-over switch.
15. Parking lights indicator.
16. Generator charge indicator.
17. Fuel reserve indicator.
18. Insufficient oil pressure indicator.
19. Three-position windshield wiper switch.
20. Direction indicators pilot light.
21. Lock switch.
22. Horn button.
23. Rear view mirror light.
24. Generator regulator.
25. Ignition coil.
26. Ignition distributor.
27. Spark plugs.
28. Starter motor.
29. Insufficient oil pressure indicator sending unit.
30. Generator.
31. Rear parking, stop and direction indicator lamps.
32. Number plate lamp.

Note. - Mark ■ means that cable is provided with numbered trip.

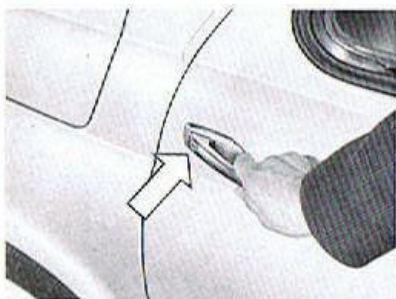
KEY TO CABLE COLORS

Azzurro	- Blue	Rosso	- Red
Bianco	- White	Verde	- Green
Giallo	- Yellow	Azzurro e Nero	- Black and Blue
Grigio	- Grey	Bianco e Nero	- Black and White
Marrone	- Brown	Giallo e Nero	- Black and Yellow
Nero	- Black	Verde e Nero	- Black and Green
Rosa	- Rosy	Int.	- Switch

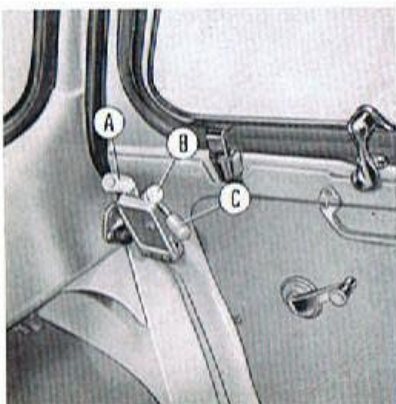
New 500

OPERATION

DOORS - SEATS - REAR COMPARTMENT

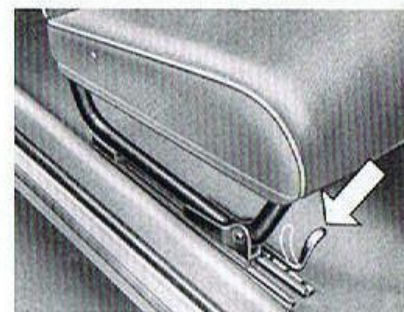


The driver's side door handle is provided with a key-controlled lock.



The door on opposite side may be unlocked from inside by a handle that may assume the following three positions:

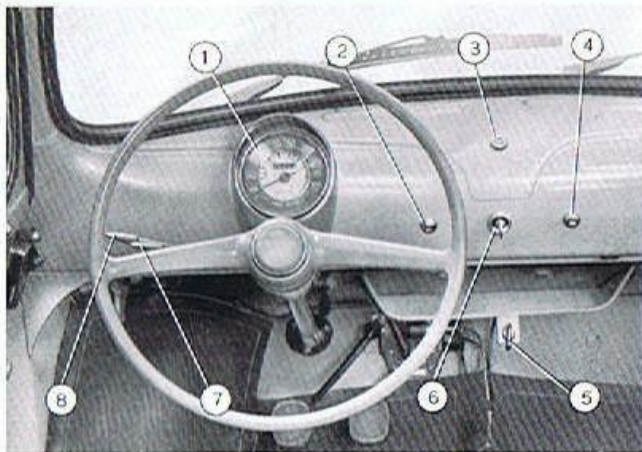
- A — Open.
- B — Closed.
- C — Locked (cannot be opened from outside).



The position of seat may be adjusted by moving the control lever rightwards.



To facilitate access to rear compartment tilt seats forward.

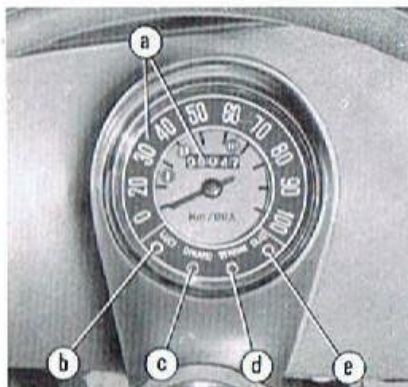


For RHD cars see page 47.

GAUGES AND CONTROLS

1a) Speedometer and mileage recorder: Red spots on dial indicate maximum speed limits for the first three gears (after running-in).

1b) Parking lights indicator (green): lights up when outer lighting change-over switch lever is in position I.



1c) Generator charge indicator (red): lights up when ignition is turned on and goes out when generator reaches cutting-in speed [engine speed over 800 rpm; car at 18 km/h (11.2 miles) in 4th gear].

1d) Fuel reserve indicator (red): lights up when only 3,5 to 5 liters (.9-1.3 U.S. or .8-1.1 G.B. Gals) of fuel remain in tank.

1e) Insufficient oil pressure indicator (red): is out when oil pressure is sufficient to ensure proper engine lubrication.

2) Panel light switch.

3) Direction indicators pilot light. This red light flashes with direction indicator lamps. Its intensity may be adjusted by turning its bezel.

4) Three-position windshield wiper switch:

lever up: ON;
lever at center: OFF;
lever down: keep lever in this position to park wiper blades.

5) Hand accelerator (throttle).

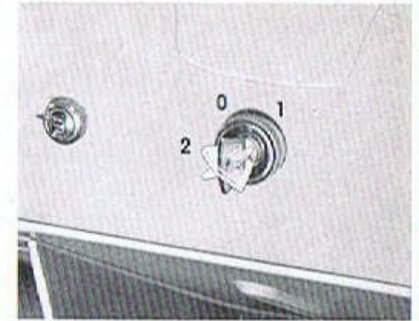
6) Lock switch: controls ignition and services (*).

Position 0: all OUT (key can be pulled out).

Position 1: ignition and services ON (key cannot be pulled out).

Position 2: parking lamps ON, with outer lighting change-over switch lever in position I (key can be pulled out).

With engine inoperative never leave key in position 1.



7) Direction indicators control lever:

d = right turn.
s = left turn.

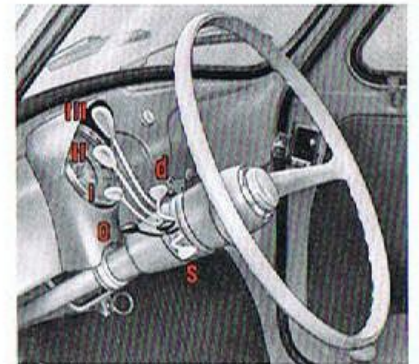
Lever returns to OFF position when steering wheel is back to straightahead drive position.

8) Outer lighting change-over switch lever:

I: number plate lamp, front and rear parking lamps;

II: number plate lamp, rear parking lamps and headlamp low beams;

III: number plate lamp, rear parking lamps and headlamp high beams.



In positions **0, I, III**, by tripping the lever upwards flashing of headlamp low beams is obtained.

(* Services include:

- fuel reserve indicator;
- generator charge indicator;
- insufficient oil pressure indicator;

- direction indicators and relevant pilot light;
- rear parking lamps;
- headlamps, parking lamps and number plate lamp;
- panel light (in instrument cluster).

Denne bog er fremstillet for Fiat 500 Klub Danmark af medlem nr. 615

