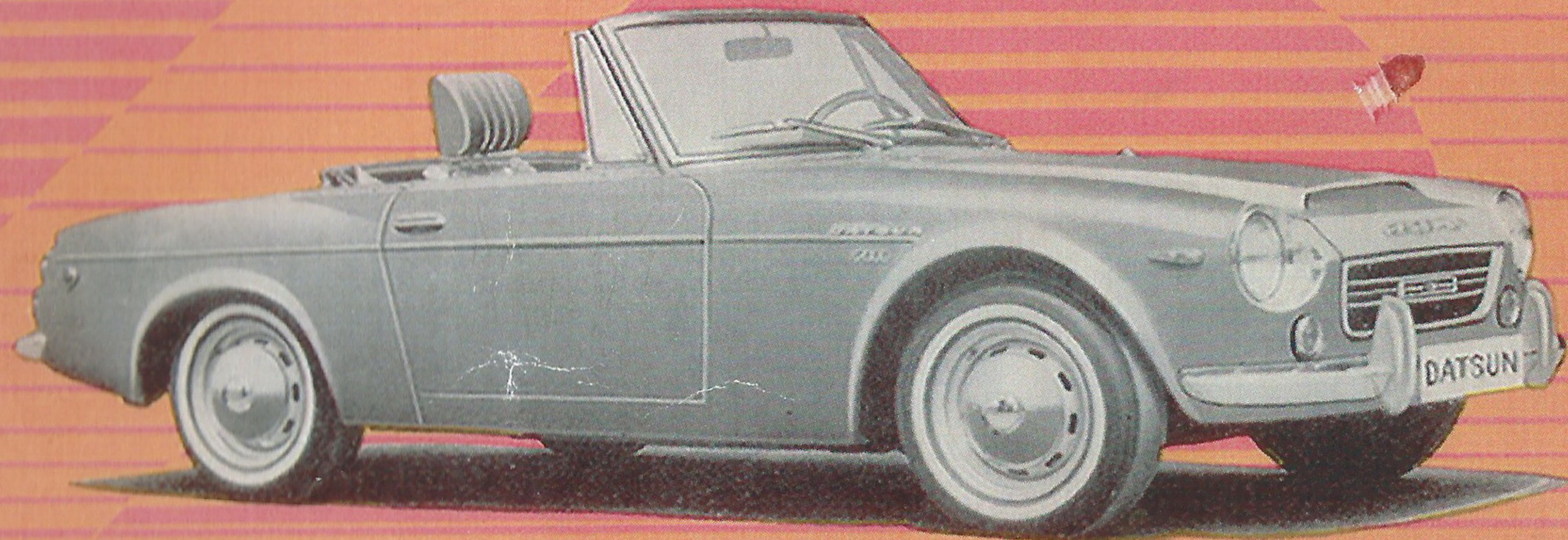


DATSUN SPORTS ¹⁶⁰⁰/₂₀₀₀ **OWNER'S MANUAL**



MODEL SR(L)311-SP(L)311

NISSAN MOTOR CO., LTD.

TOKYO, JAPAN

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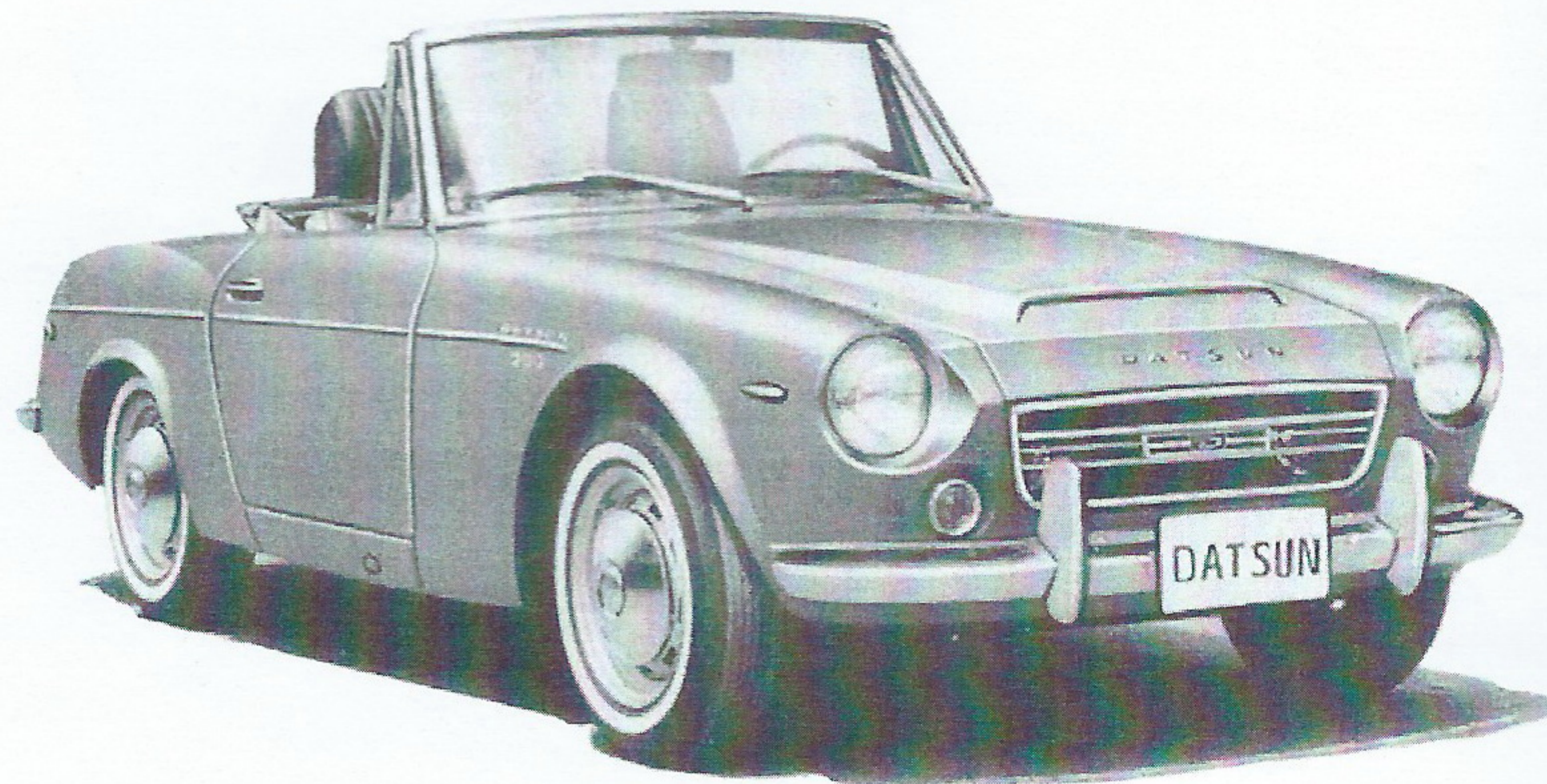
FOREWORD

This Owner's Manual will not only acquaint you with the DATSUN'S features, but it will familiarize you with the operation of all instruments and controls, break-in procedure and the use of major optional equipment.

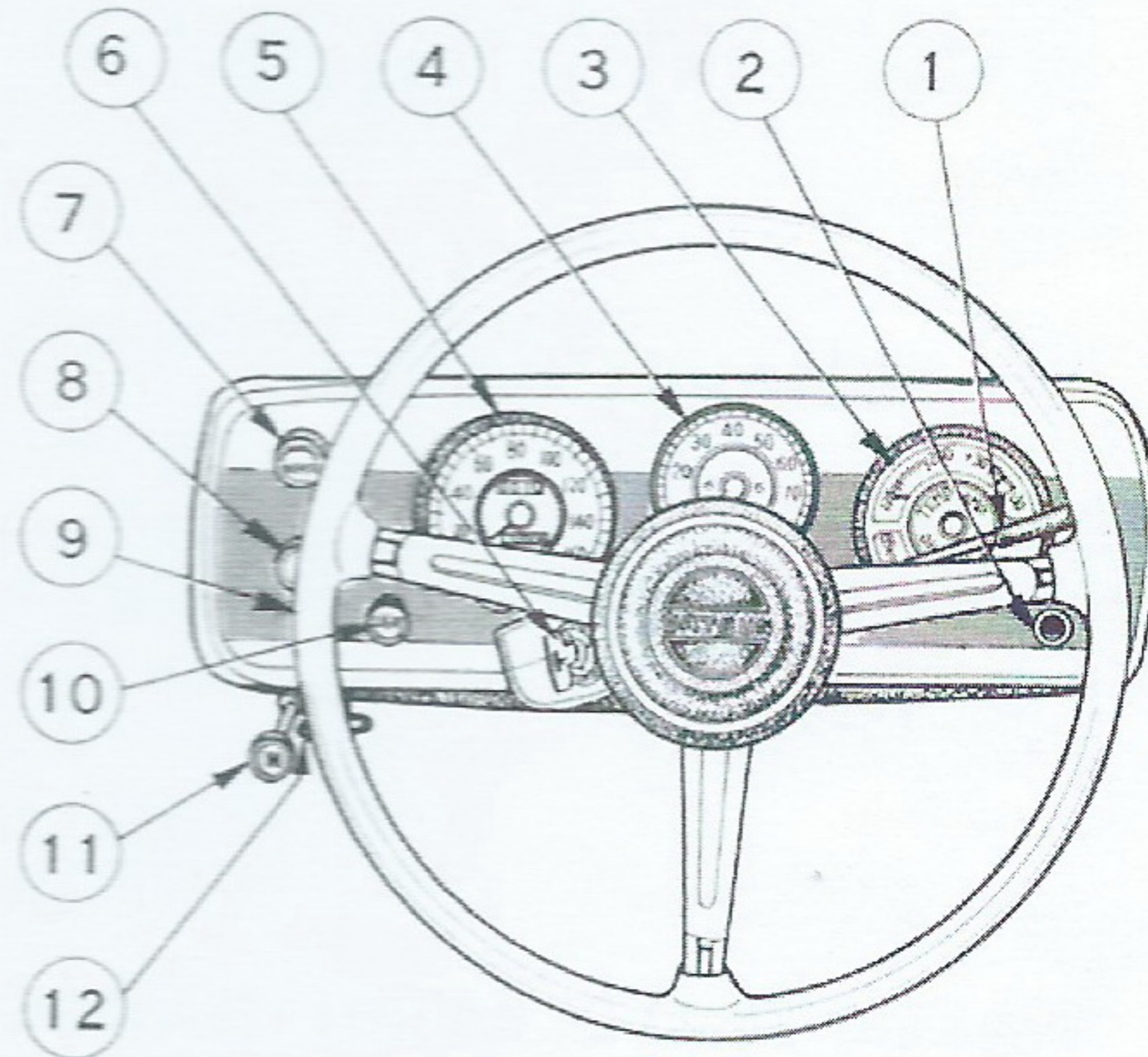
The instructions given in this manual should be fully observed so as to keep the performance and appearance of

your DATSUN like new. Please read through this manual and keep it in the glove compartment so that you can readily refer to it whenever necessary.

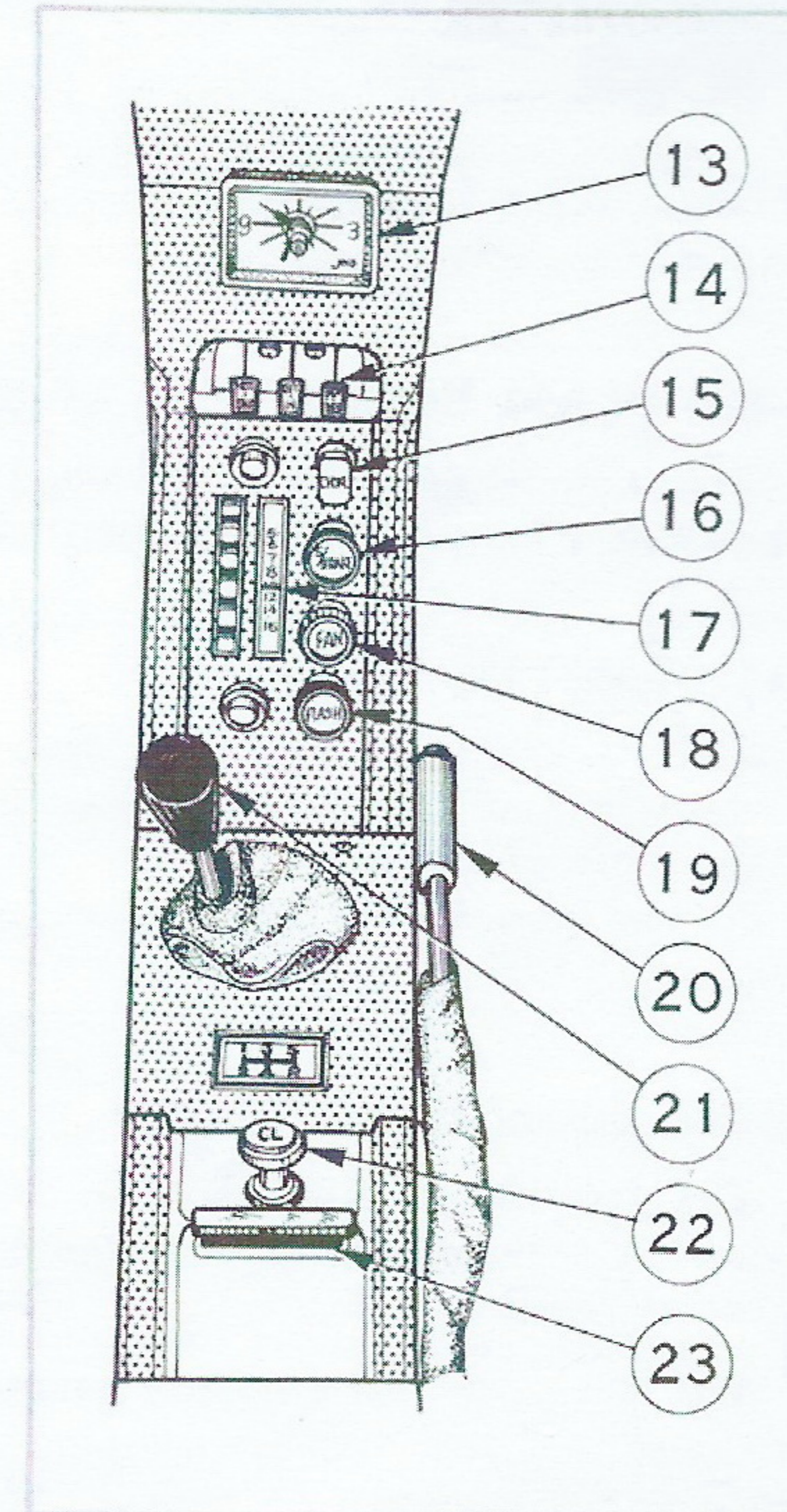
Remember that your DATSUN dealer is trained and equipped to maintain your new car so as to assure thousands of miles of trouble-free driving pleasure.



INSTRUMENT AND CONTROLS



- | | | |
|---|--------------------------------|--------------------------------|
| ① Turn indicator and head light beam selector lever | ⑧ Throttle control knob | ⑬ Clock |
| ② Brake safety lamp | ⑨ Rheostat knob | ⑭ Heater control lever |
| ③ Combination meter | ⑩ Light switch | ⑮ Choke control knob |
| ④ Tachometer | ⑪ Hood lock knob | ⑯ Brake safety lamp check knob |
| ⑤ Speedometer | ⑫ Cowl ventilator lever | ⑰ Radio |
| ⑥ Ignition switch | ⑬ Clock | ⑱ Fan switch |
| ⑦ Windshield wiper and washer switch | ⑭ Heater control lever | ⑲ Hazard warning switch |
| | ⑮ Choke control knob | ⑳ Hand brake lever |
| | ⑯ Brake safety lamp check knob | ㉑ Shift lever |
| | ⑰ Radio | ㉒ Cigarette lighter |
| | ⑱ Fan switch | ㉓ Ash tray |
| | ⑲ Hazard warning switch | |
| | ⑳ Hand brake lever | |
| | ㉑ Shift lever | |
| | ㉒ Cigarette lighter | |
| | ㉓ Ash tray | |



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INSTRUMENT AND CONTROLS

SPEEDOMETER

The speedometer indicates the car's forward speed. The odometer registers the total milage and the trip indicator, adjustable by a trip canceler knob on the instrument panel, any desired distance.

HIGH BEAM INDICATOR LAMP

The high beam indicator light is situated on the speedometer face. It operates on high beam only.

TACHOMETER

The tachometer indicates the revolutions per minute. It is no good for the engine to drive constantly in the yellow shaded area.

Do not race up the revolutions up to the red shaded area.

TURN INDICATOR LAMP

The green light is situated on the tachometer face. It flashes simultaneously with the front and rear directional lights.

The fuel gauge, oil pressure gauge, water temperature gauge and ammeter are situated in the combination meter.

FUEL GAUGE

The fuel gauge is operated by an electrical indicator mechanism on the fuel tank when the ignition is switched on.

OIL PRESSURE GAUGE

The oil pressure gauge indicates the operating pressure of the lubricant in the engine. When the pressure while driving does not go up, it is necessary to stop the engine immediately and check the oil level. If the oil level is normal, an authorized dealer should be consulted.

WATER TEMPERATURE GAUGE

The temperature of the coolant is electrically indicated by the gauge when the ignition is switched on. When the ignition is switched off, the needle moves to the cold position.

AMMETER

The ammeter indicates the amount of the electric current charged by the alternator to the battery.

INSTRUMENT AND CONTROLS

CHOKE CONTROL KNOB

By turning the knob counter-clockwise, the choke control can be pulled out to its desired position and with a slight right twist locked in place.

THROTTLE CONTROL KNOB

By operating the throttle control knob in the manner described above, the engine revolution is maintained at the same r. p. m. without pressing down the accelerator pedal.

WINDSHIELD WIPER AND WASHER SWITCH

The wiper blades are operated by pulling the knob, in the 1st stage the blade moves at low speed and in the 2nd stage the blade moves at high speed. In any stages including original stage, the two jets spray the fluid to the windshield by turning the same knob clockwise.

LIGHT SWITCH

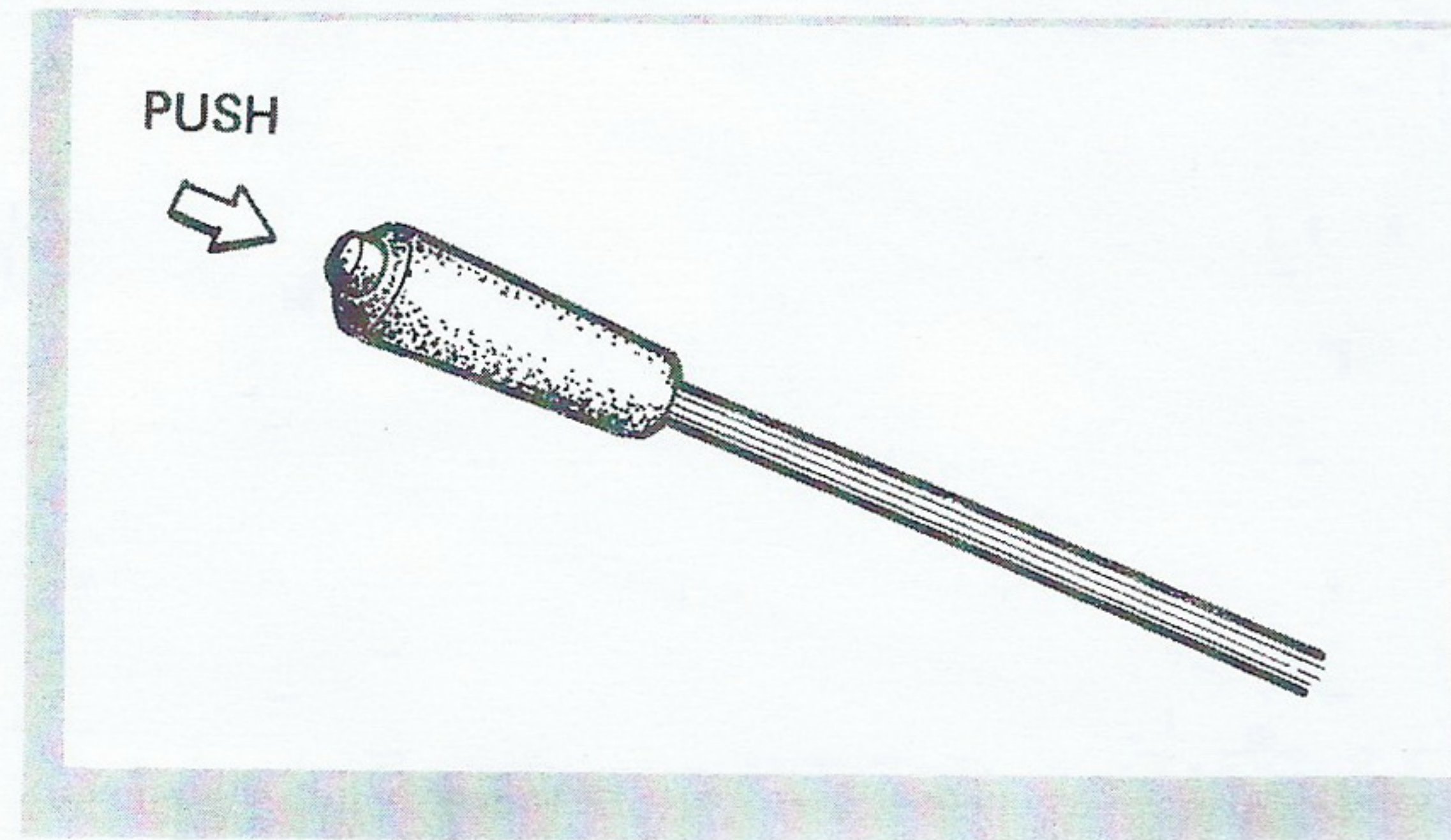
This is a pull-type switch with two positions. The first stage controls the instrument lights as well as the

tail, parking and number plate lights. The second stage controls the head lights.

By turning the switch clockwise, the fog lights go on.

PASSING LIGHT SWITCH (Optional for L. H. drive)

By pushing and releasing the button located at the top of the turn indicator lever, the high beams of the head lights will be turned on and off.



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INSTRUMENT AND CONTROLS

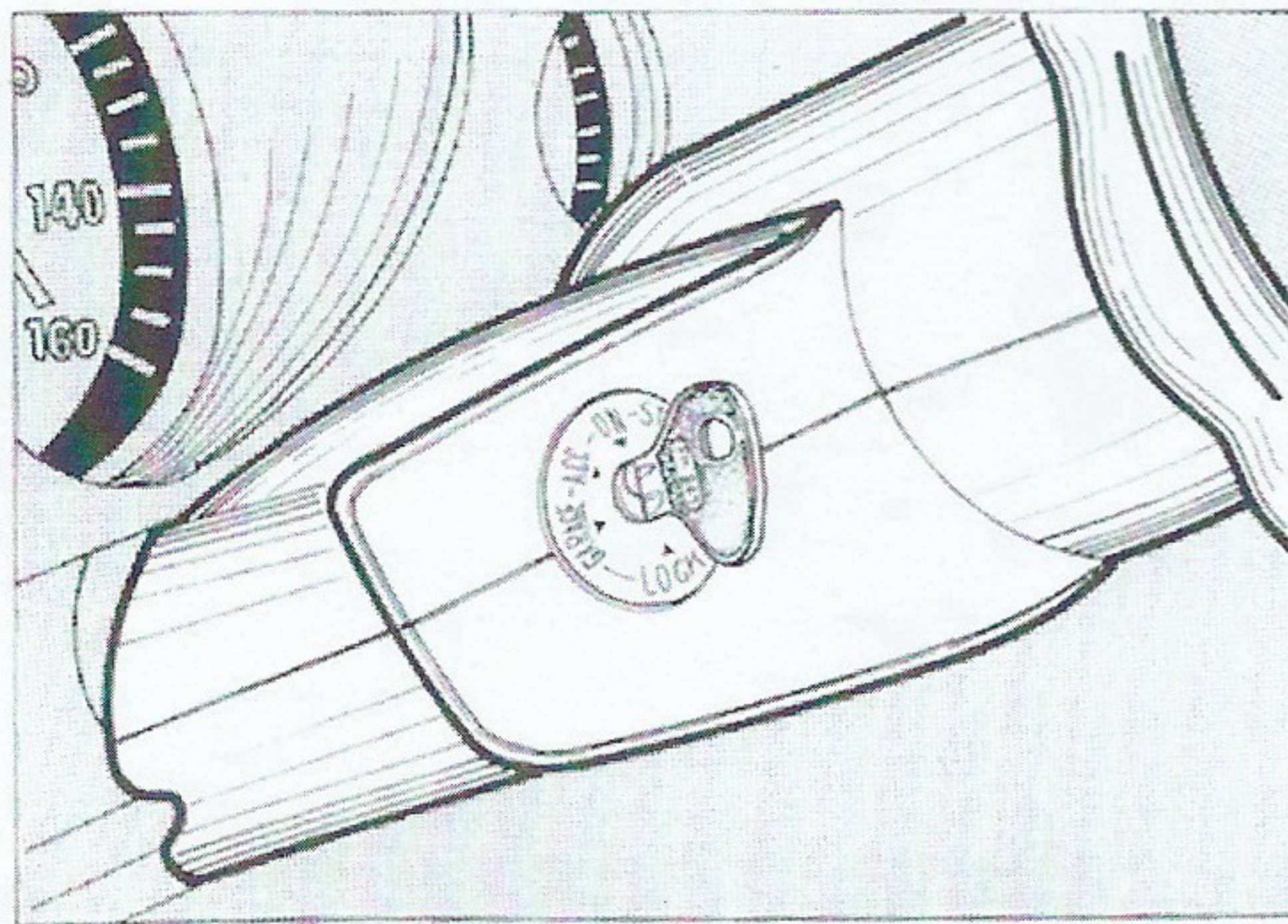
IGNITION SWITCH

The ignition switch is combined with the steering lock device and the switch positions are illustrated in the figure provided.

This five position switch controls the engine ignition system and most of the electrical equipment in your car. All accessories can be operated when the key is in the "ACC" position without the engine running.

STEERING WHEEL LOCK

The steering can be locked only when the key is pulled out in the "LOCK" position.

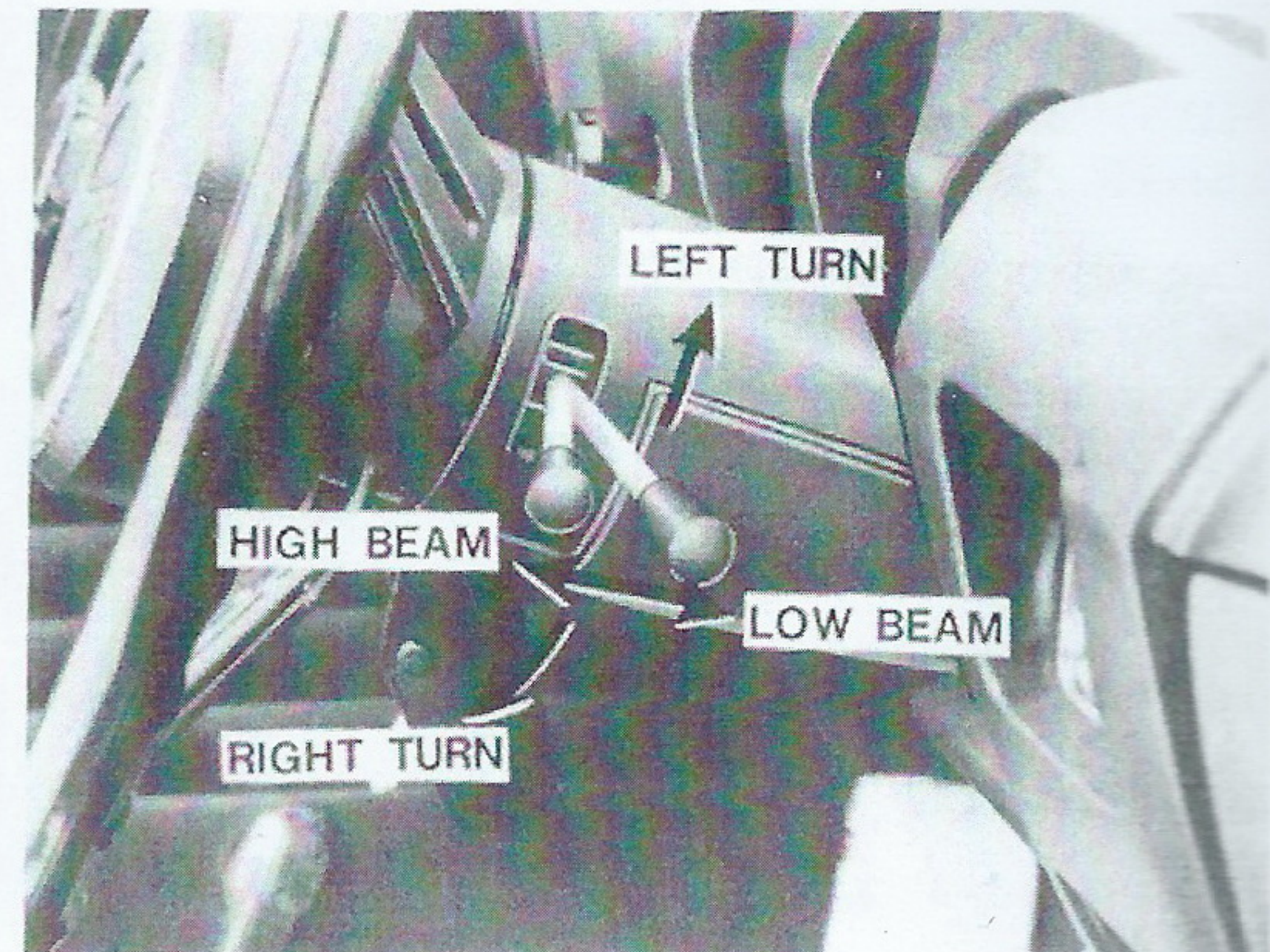


RHEOSTAT KNOB

The brightness of the instrument panel lights can be adjusted by turning the knob.

TURN INDICATOR AND HEAD LIGHT BEAM SELECTOR LEVER

Move the lever downward for a right turn and upward for a left turn. Move the lever toward the steering wheel to dim the headlights.



INSTRUMENT AND CONTROLS

BRAKE SAFETY LAMP

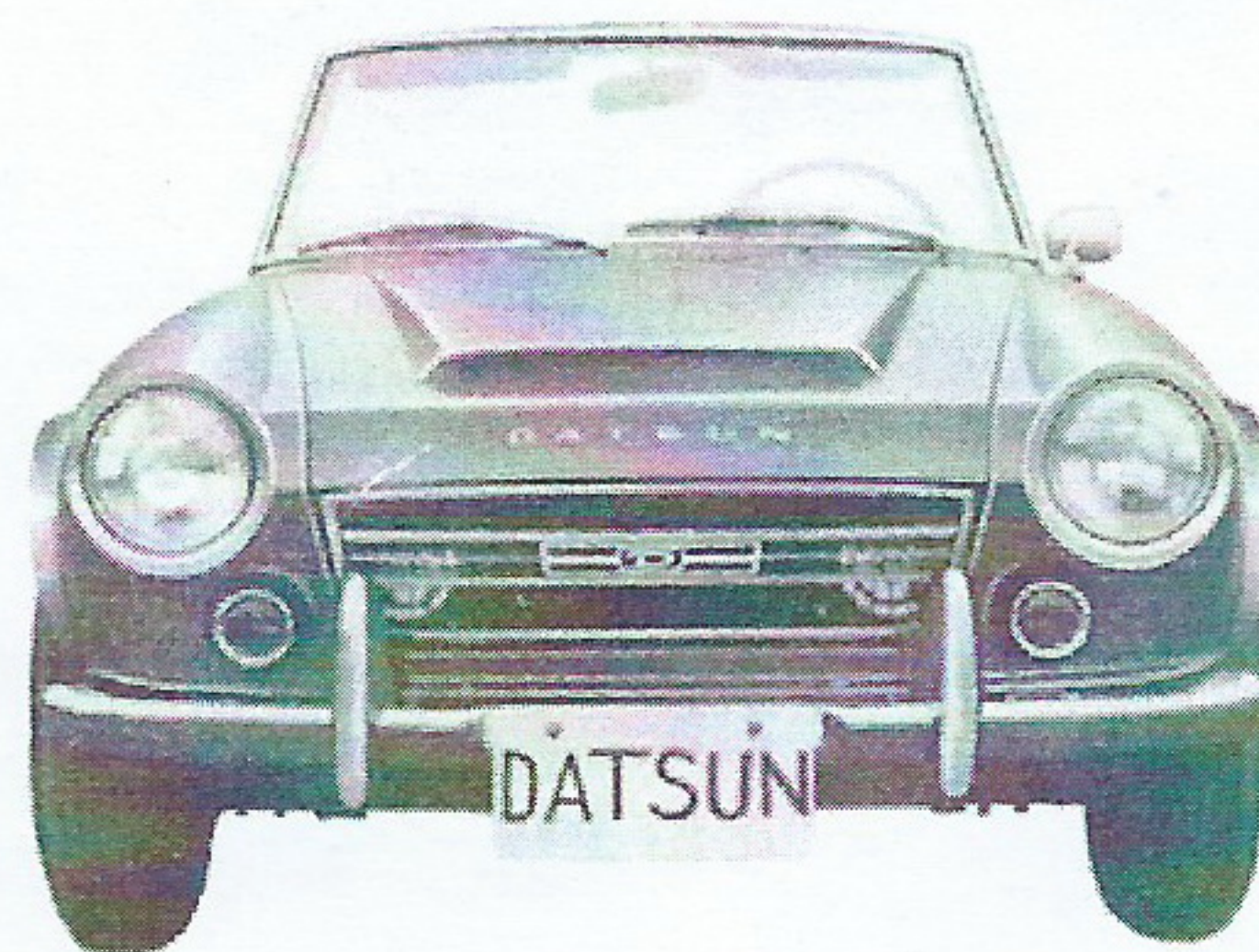
The brake safety lamp on the instrument panel indicates if a difference in pressure exists between the front and rear brake system. If this light goes on, it is necessary to check the brake system.

BRAKE SAFETY LAMP CHECK KNOB

By pulling the brake safety lamp check knob, the brake safety lamp can be checked for proper operation. If the lamp goes on, the brake safety lamp operates normally.

HAZARD WARNING SWITCH (For USA only)

By pulling the knob on the separate housing beneath the instrument panel center, all directional lamps flicker at the same time to inform cars in the event of some trouble happening in your car. In this case the two green lights on the instrument panel flicker simultaneously with all directional lamps.

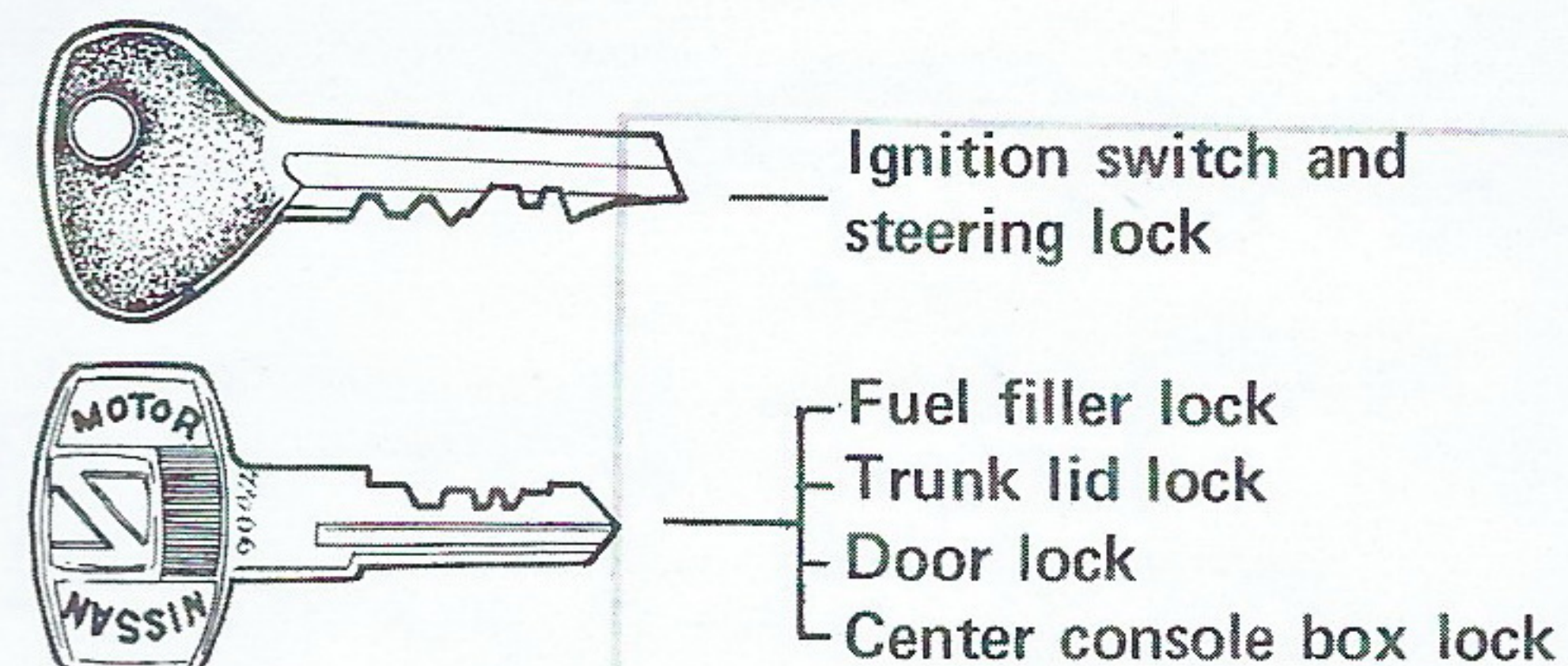


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KEYS

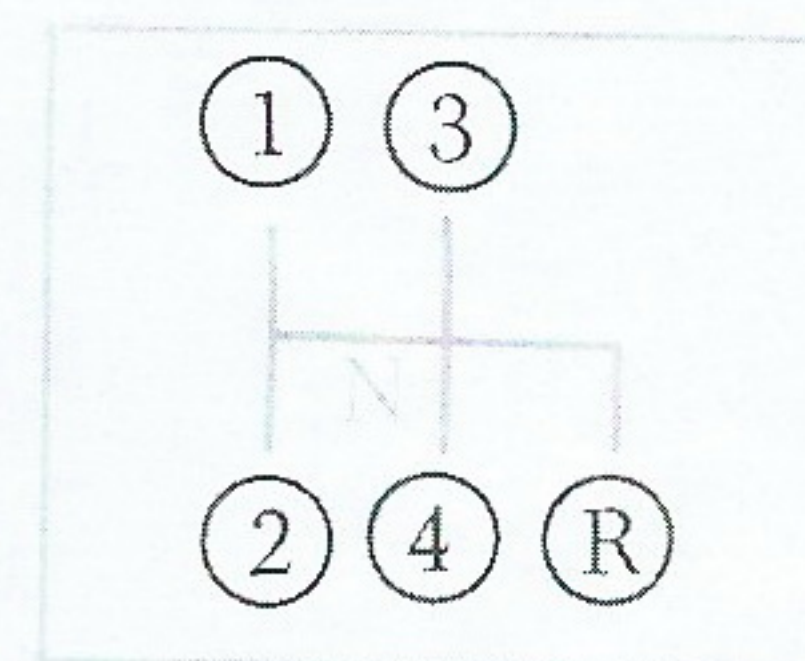
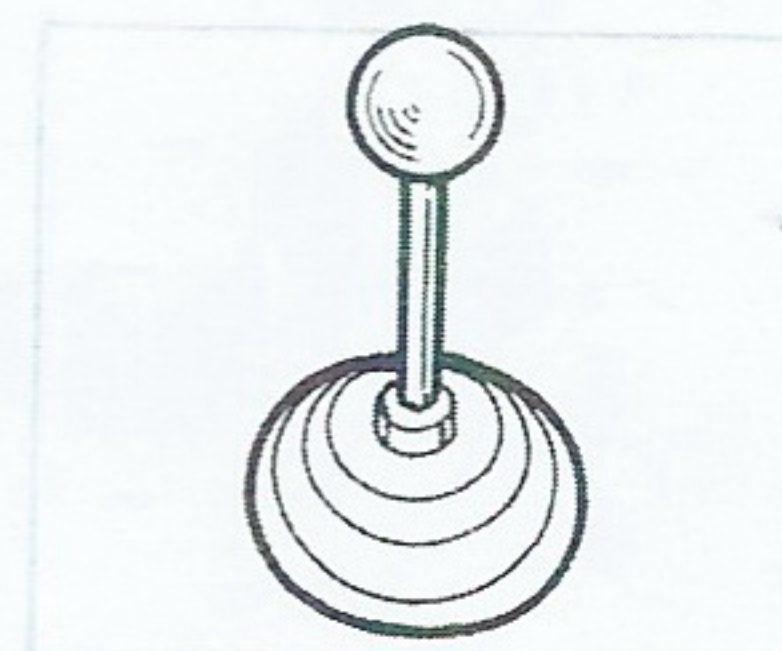
Two different keys operate the various locks on your Datsun.

Record these key numbers. They enable your DATSUN dealer to replace lost key.

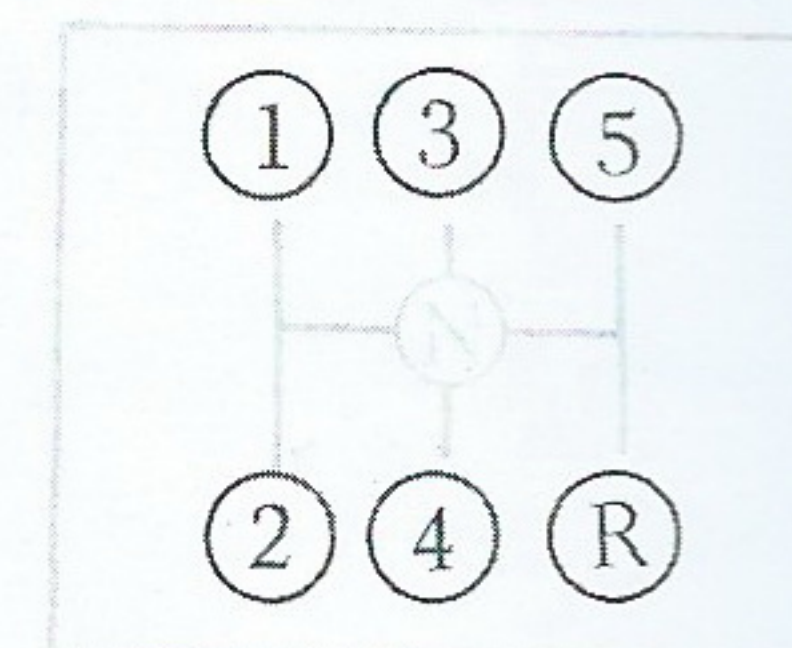


SHIFTING

The shifting diagram which is illustrated on the center console is as follows; synchromesh is provided on all forward gears. As the transmission utilizes the servo type synchromesh, there is the possibility of the driver not depressing the clutch pedal sufficiently and as a result causing synchronizer damage. The clutch pedal should therefore be fully depressed when shifting gears.



SP(L)311



SR(L)311

STARTING

Place the gear shift lever in the neutral position and turn the ignition switch on. The electrical starter is operated by turning the key further to the "START" position. As soon as the engine starts, release the key which returns automatically to the switched-on ignition position.

COLD ENGINE

Pull out the choke control knob and start engine without depressing accelerator pedal. Push in the choke knob after the engine has warmed up enough to run on a normal fuel mixture.

NEW CAR BREAK-IN

Life and economy of the car depend largely on the maintenance and care given to it during first 2,000 km (1,500 miles). Not only the engine but also the car benefits from proper break-in.

The car should be driven neither too gently nor under full power, i. e.:

- * 4,000 r.p.m. should not be exceeded in any gear during break-in.
- * It is recommended to drive mostly between 3,000 ~ 3,500 r.p.m.
Change speed often! Drive only for very short periods at full throttle!
- * Do not drive at full throttle in lower gears!
- * Other than in the case of emergency, avoid heavy braking or rough usage of the brakes, before the friction pads are fully bedded in.

Maximum speed limit for the first 2,000 km (1,500 miles)

	Transmission	1st	2nd	3rd	4th	5th
SP(L)311	4 speed	33 km/h (20 miles/h)	45 km/h (28 miles/h)	65 km/h (40 miles/h)	87 km/h (55 miles/h)	
SR(L)311	5 speed	35 km/h (22 miles/h)	60 km/h (38 miles/h)	83 km/h (52 miles/h)	110 km/h (69 miles/h)	130 km/h (80 miles/h)

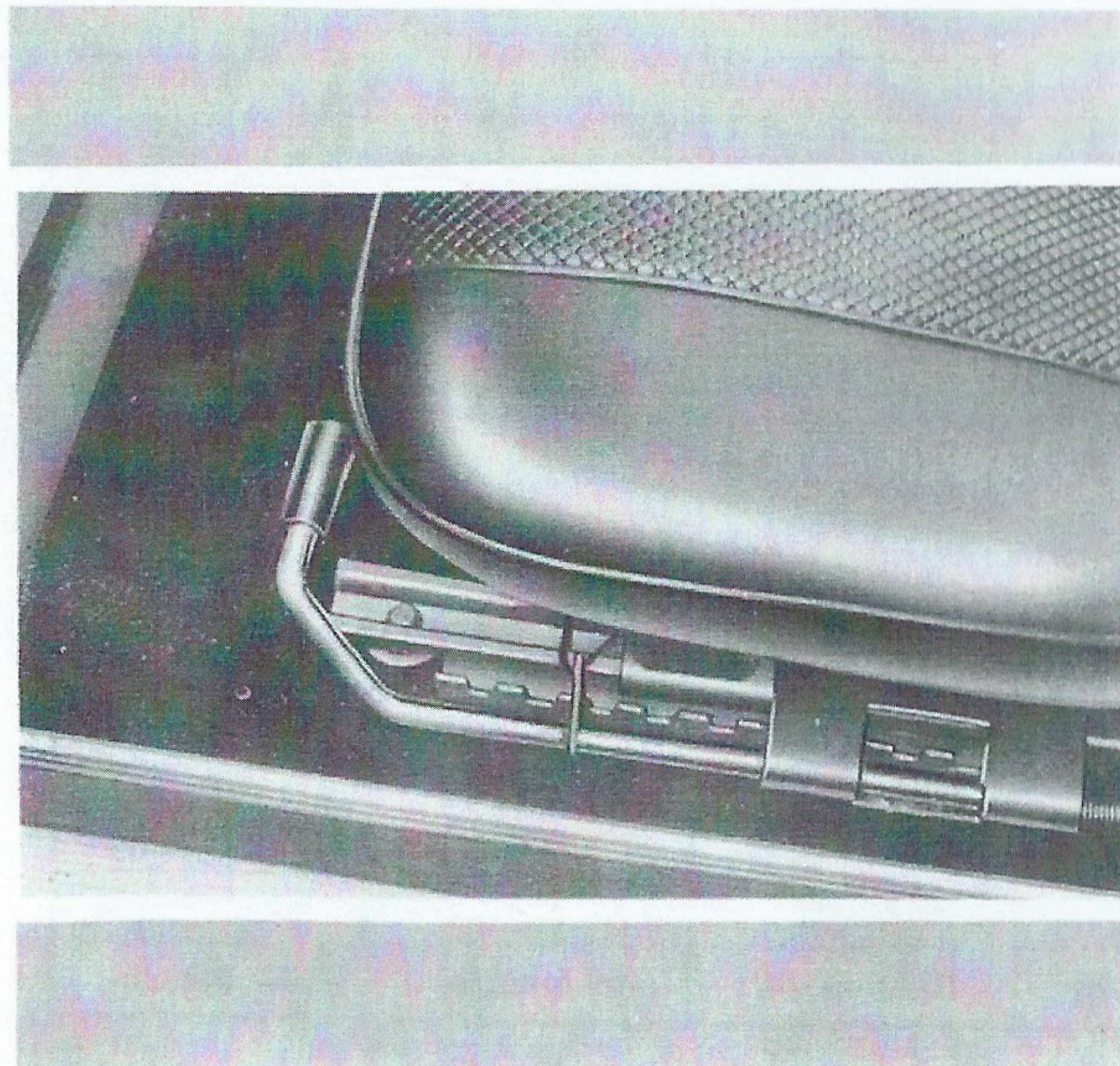


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SEATS, WINDOW AND LOCKS

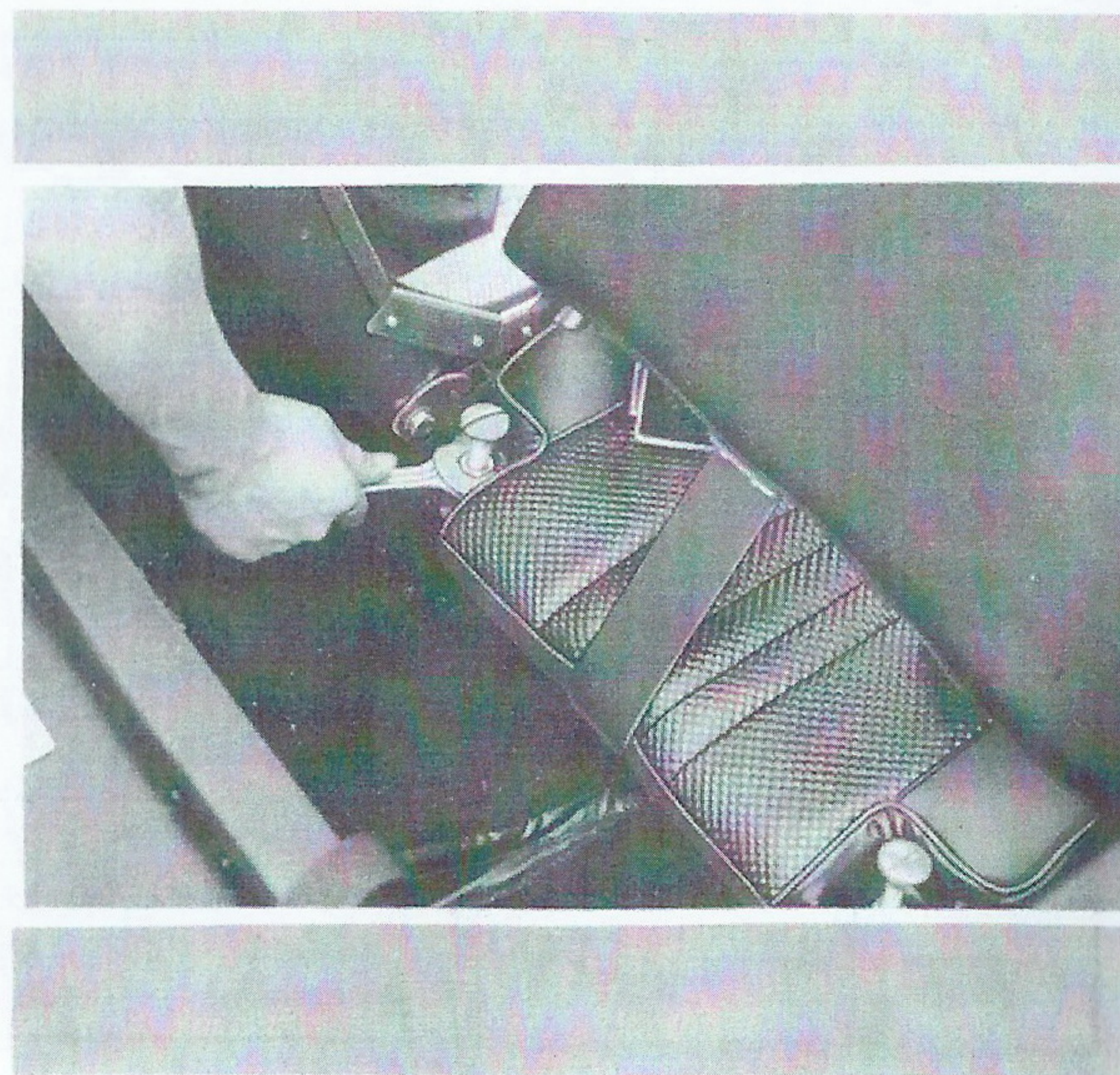
SEAT ADJUSTMENT

The seat can be adjusted to the desirable position by operating the lever located under the seat. On the seat back upper, the headrests are attached as an optional part. (Standard for USA and Canada)



SEAT INCLINATION

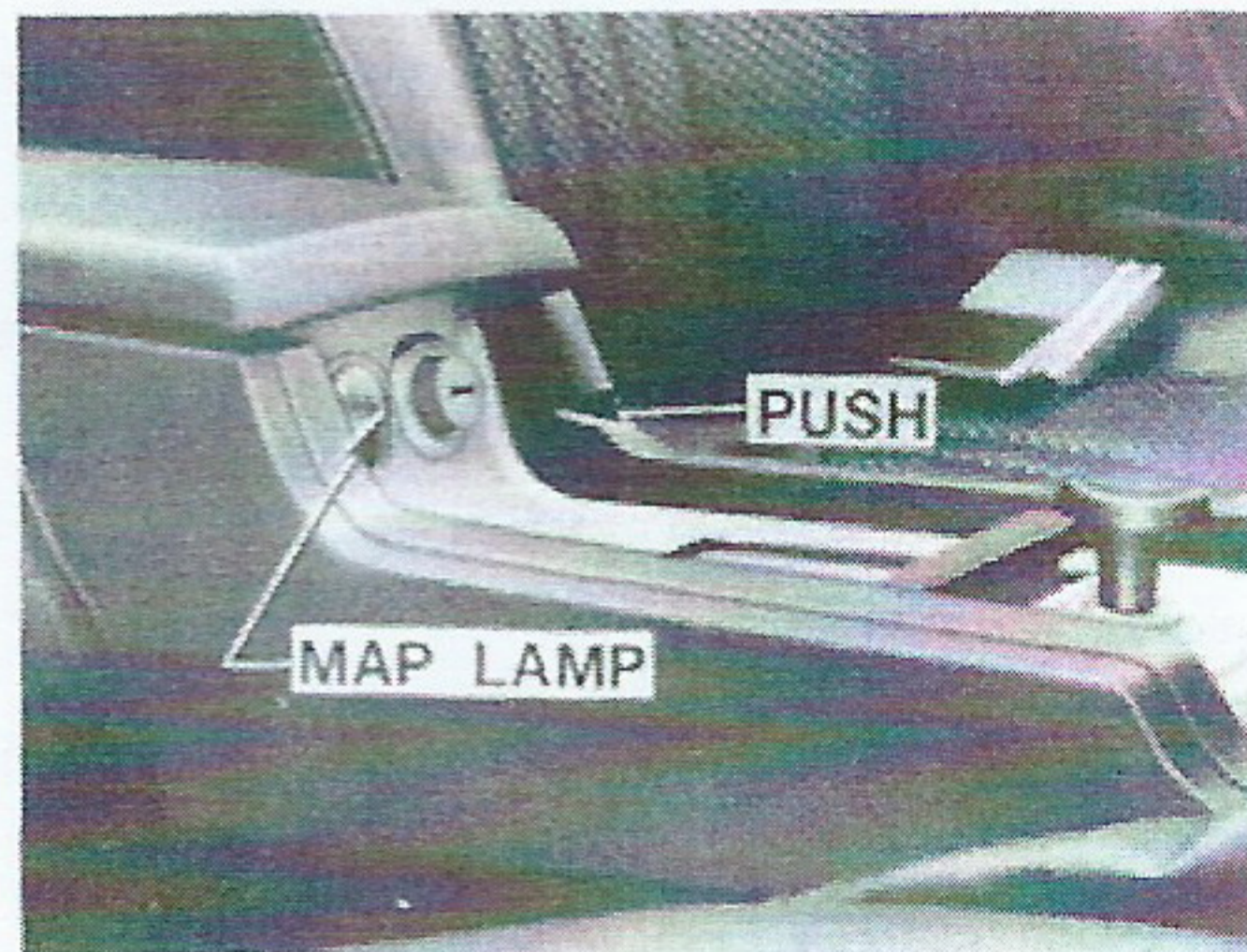
By inclining the seat $\pm 5^\circ$ with adjusting the stopper bolt under the seat, best desirable driving position can be obtained.



SEATS, WINDOW AND LOCKS

DOOR LOCKS

To lock the front door, insert the key and turn it clockwise. Turn the key counter-clockwise to unlock the door.



GLOVE COMPARTMENT LOCK

By pushing the lock button, the lid of the glove compartment can be opened.

CENTER CONSOLE BOX LOCK

To open the center console box lid locked, insert the key, turn it clockwise and push the button. The center console box lid which is not locked will be opened by just pushing its button.

By pushing the lens of the map lamp, the map lamp goes on.



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SEATS, WINDOW AND LOCKS

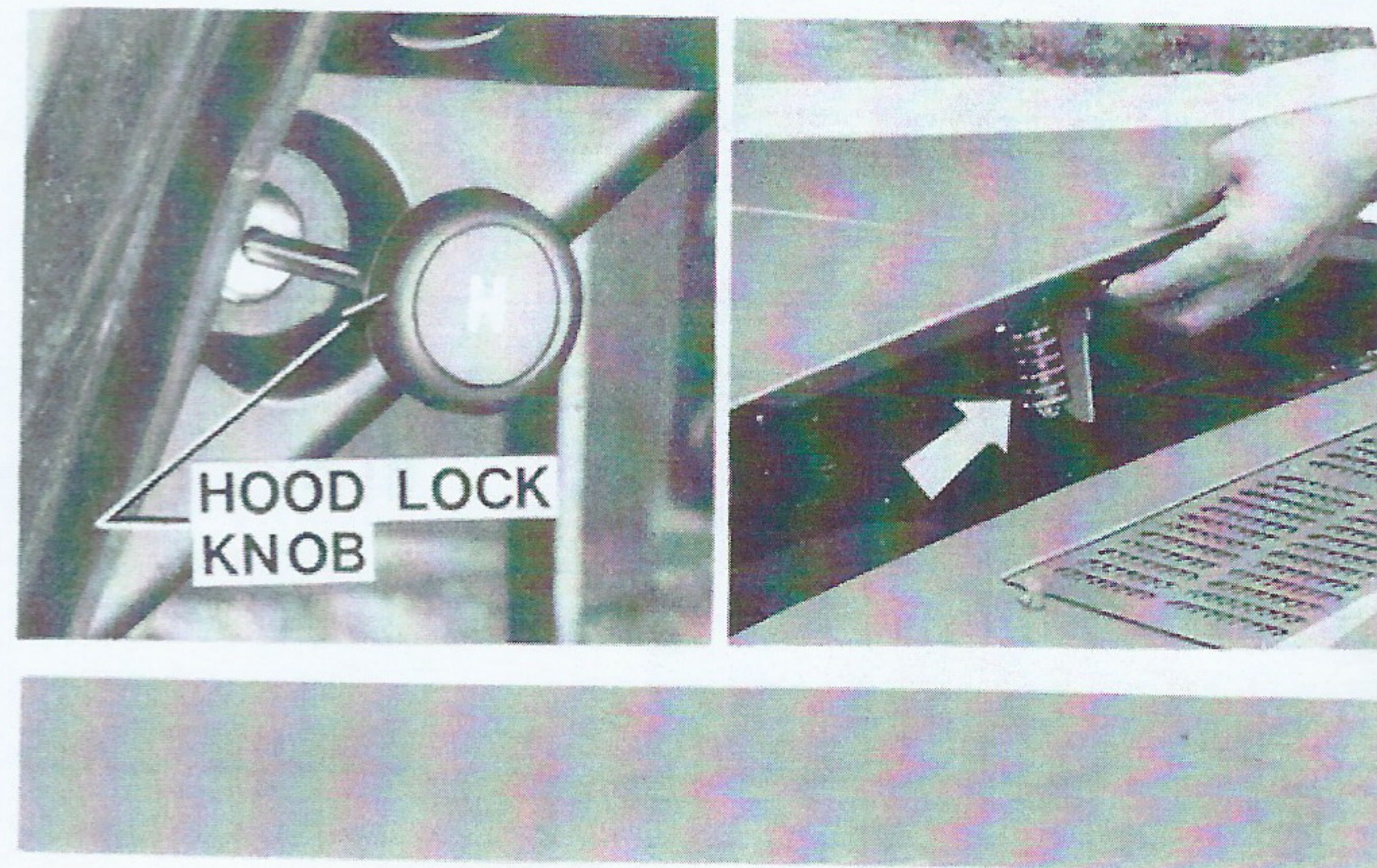
TRUNK LID LOCK

To open the trunk lid, insert the key and turn it clockwise and the trunk lid will open by spring action. To close it, just press on the lid and remove the key then it will be locked completely.



HOOD LOCK

Pull the hood lock knob located at the lower area of the instrument panel, then the hood will open slightly and raise up the hood by releasing the safety catch on the hood assembly.

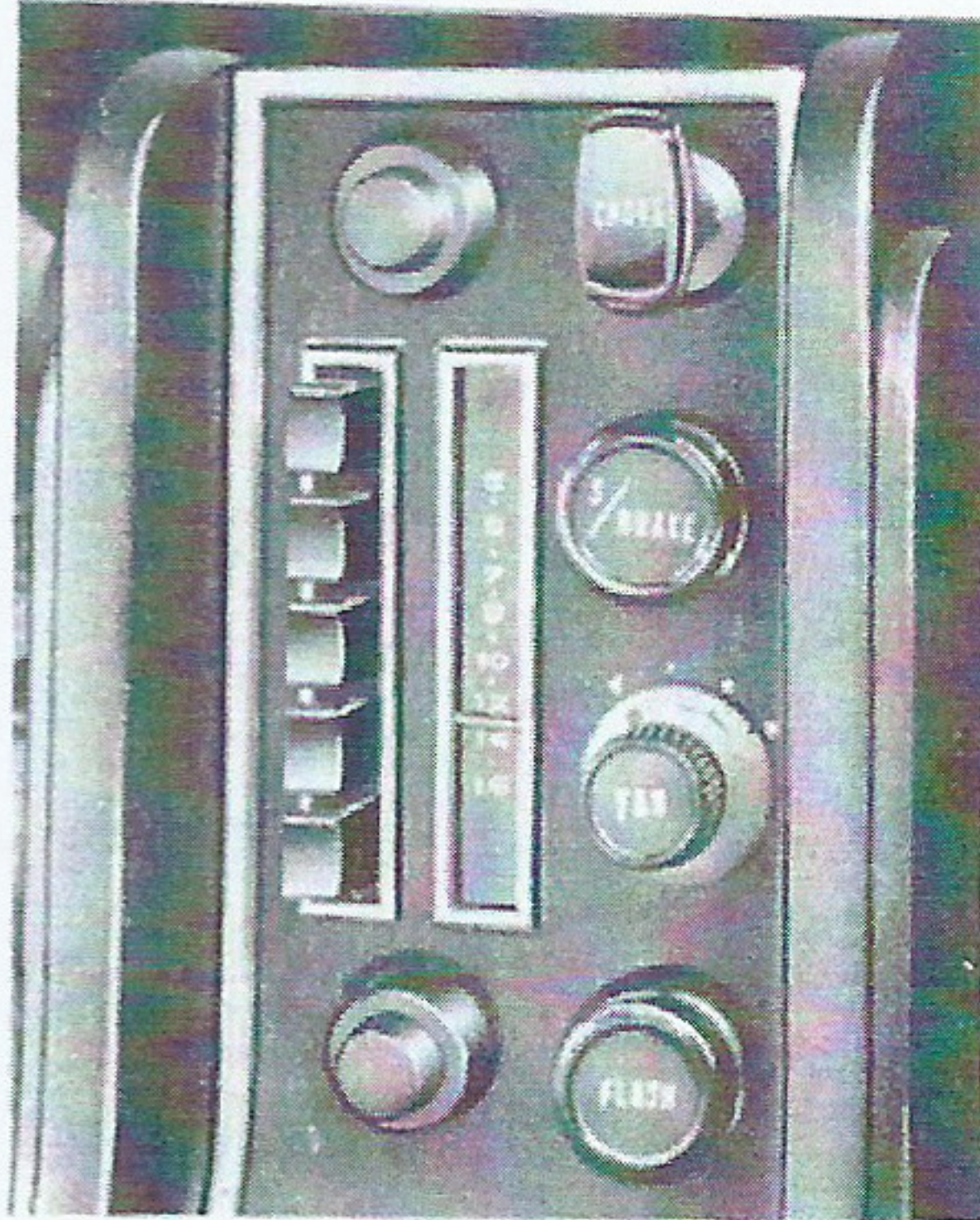


FUEL FILLER CAP LOCK

To open, insert the key and turn it counter-clockwise. To close, turn it clockwise.

OPTION AND ACCESSORIES

RADIO (Optional)



The radio has five push buttons for station selection. Other stations may be selected by the manual tuning knob.

Adjust the Push Button as follows:

1. Pull the selector button straight out until it stops, tune in the station you want with the manual tuning knob.
2. After the station is clearly tuned in, push the selector button straight in until it stops, and release it.

RADIO ANTENNA

The antenna pops out by inserting and lightly pushing the antenna key. Then extend the antenna.

CLOCK

By pushing and turning the knob clockwise, the time can be corrected.

ASH TRAY

Ash tray installed on the center console can be removed for cleaning.

CIGARETTE LIGHTER

To operate the cigarette lighter push in the knob. It will stay in this position until the lighter element is at the correct temperature, then it will pop back into its former position.

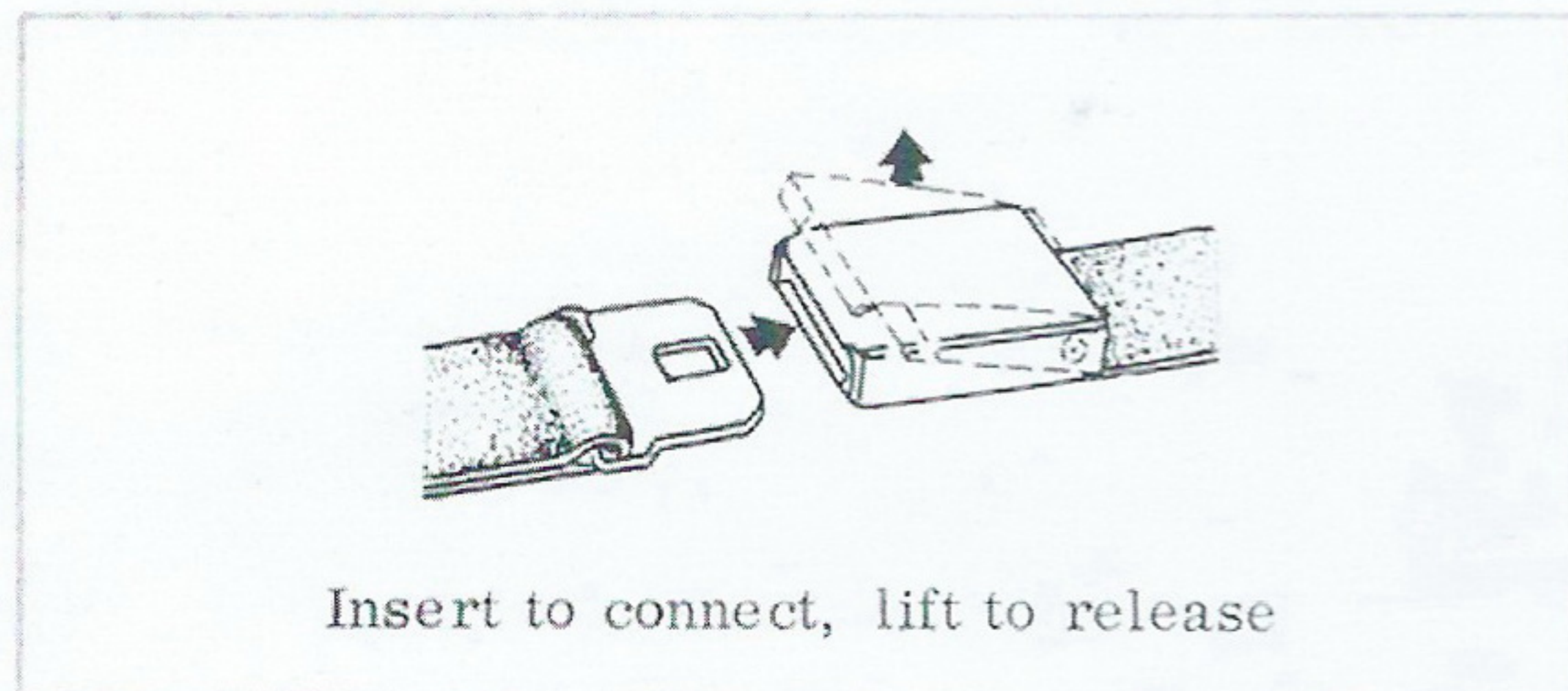
It should then be pulled completely out of its holder for use.



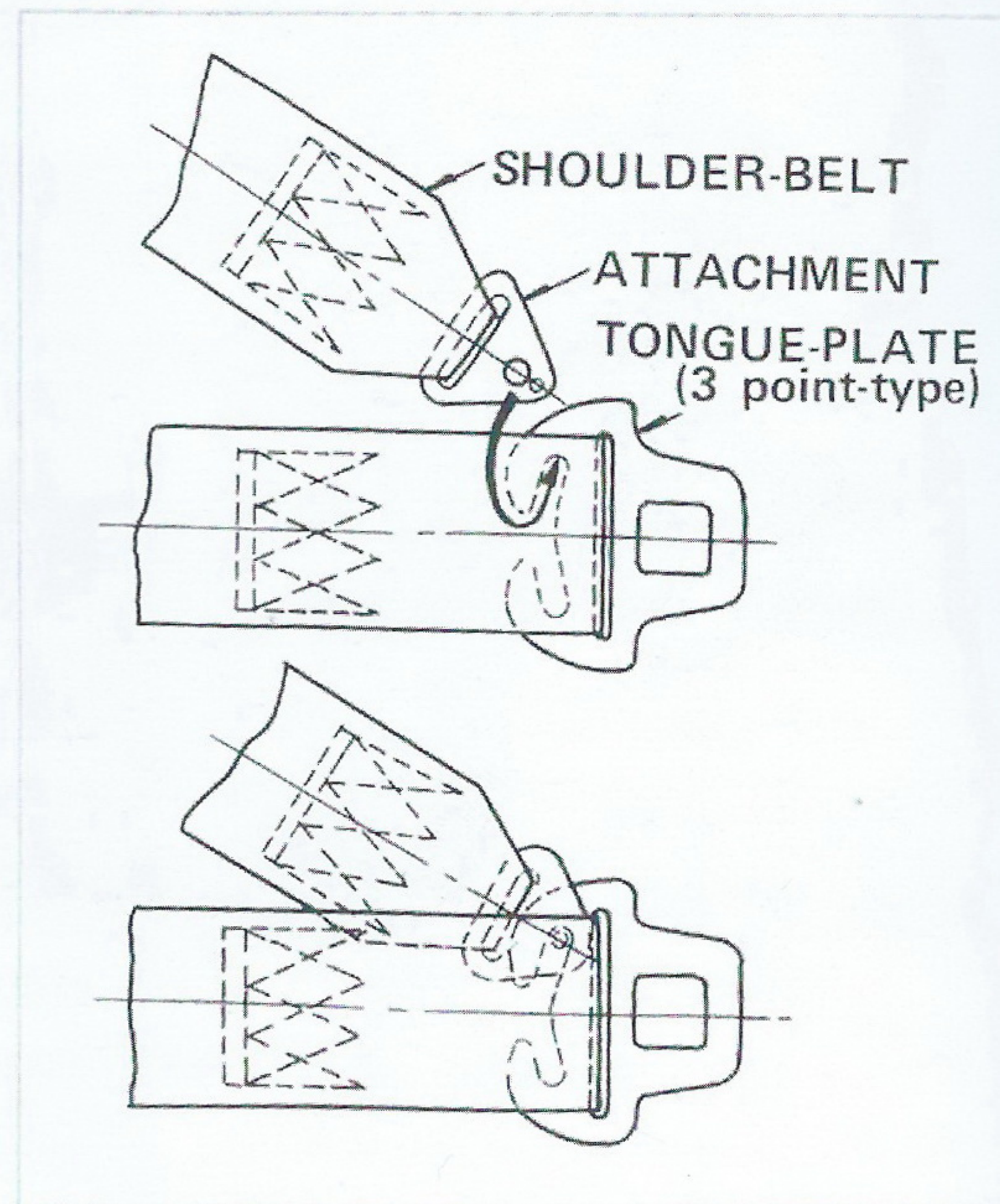
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OPTION AND ACCESSORIES

SAFETY SEATS BELTS



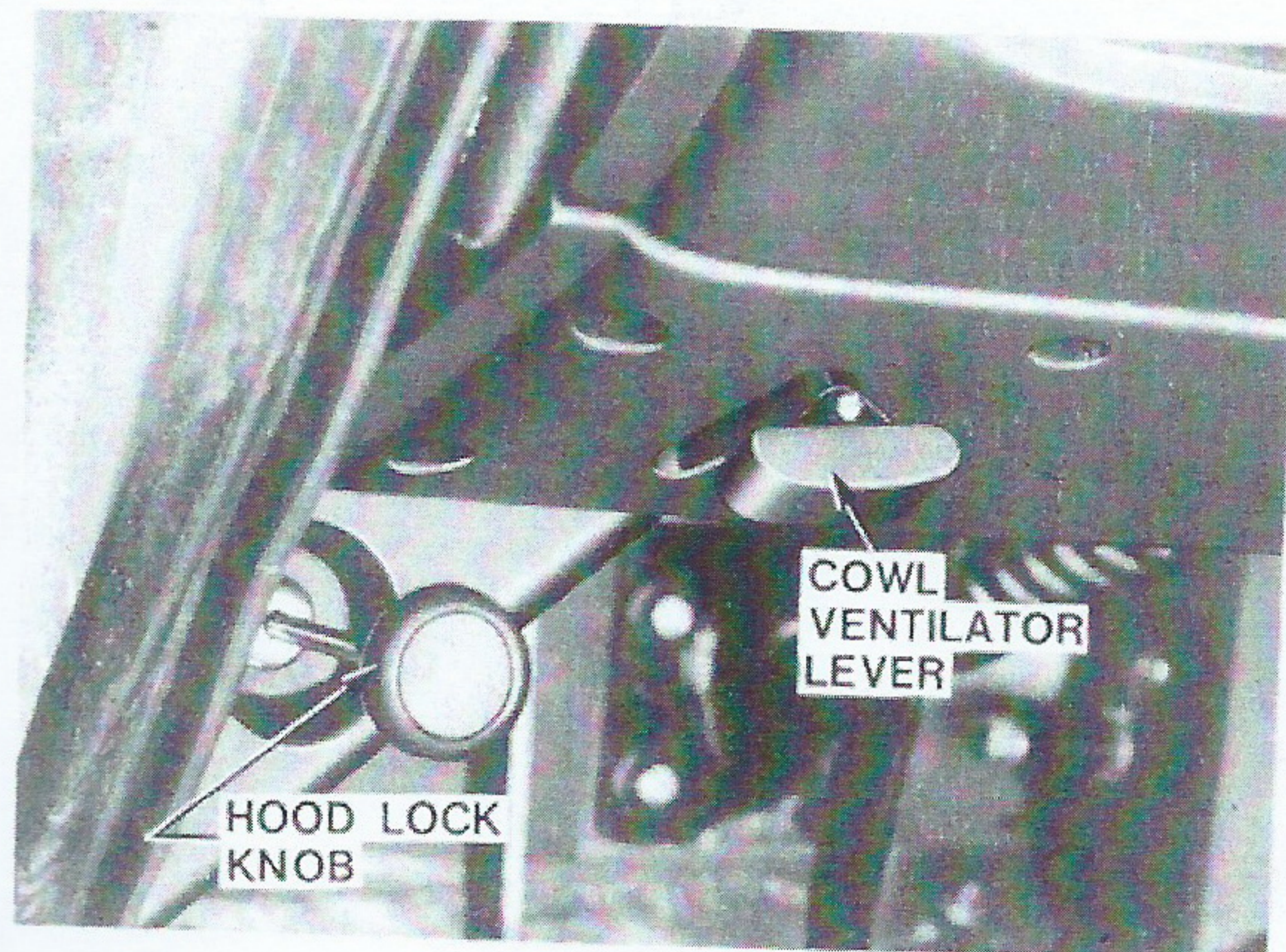
Before fastening a seat belt, always adjust the seat to the proper position.



VENTILATING AND HEATING

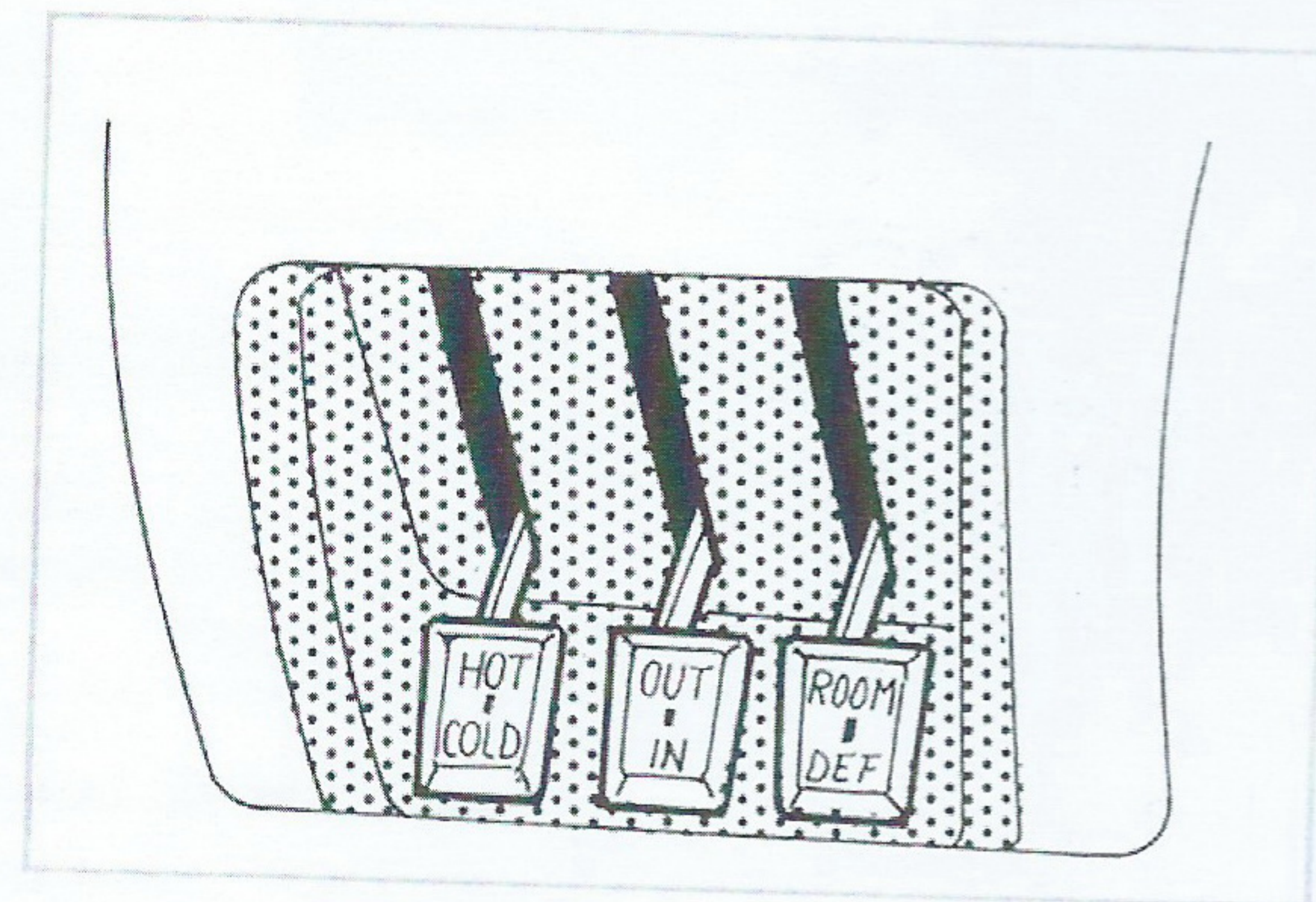
COWL VENTILATOR

The air flows into the interior of cab from the intake in front of the windshield by operating cowl ventilator lever located at the lower area of the instrument panel.



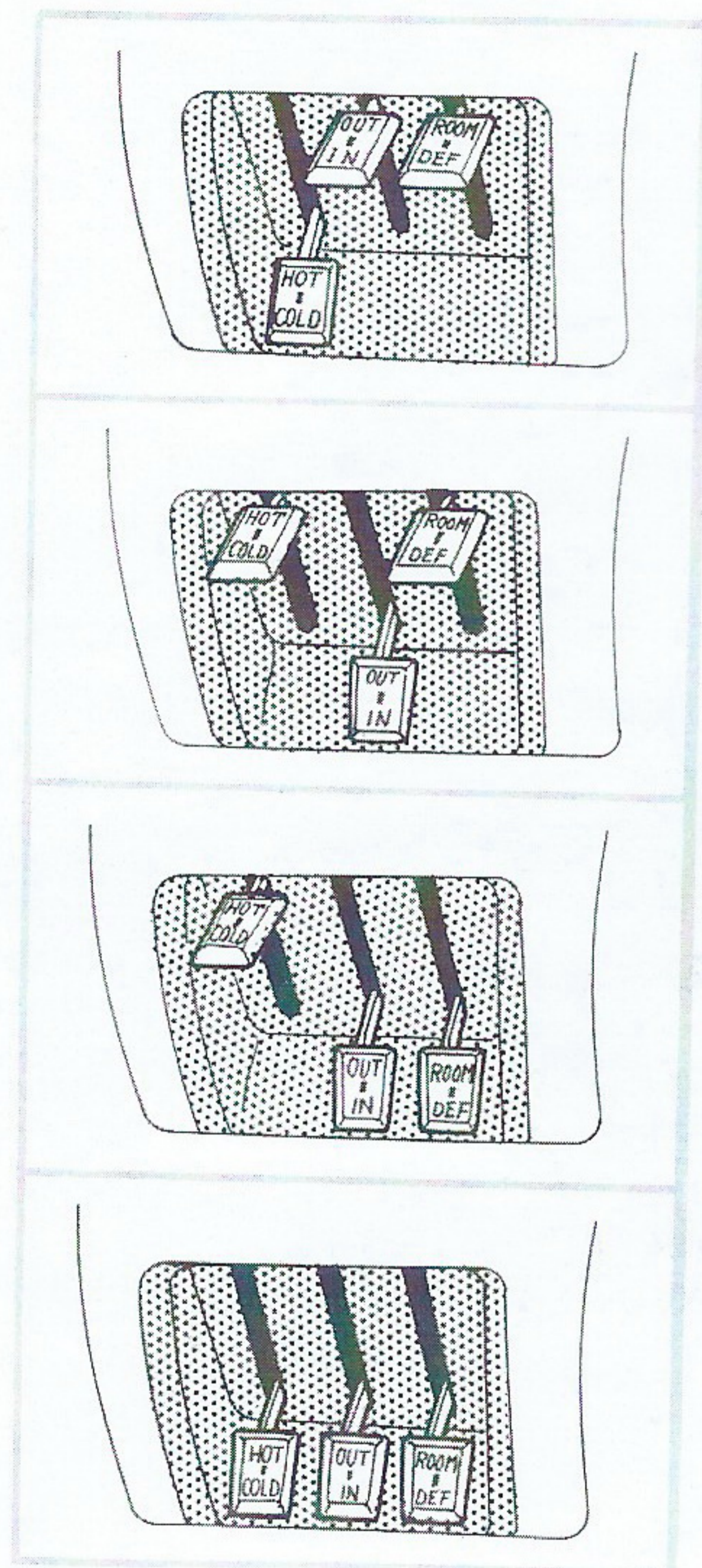
HEATER (Optional)

The operation of the heater-ventilator system is controlled by three levers on the instrument panel (Temperature control lever, OUT-IN air control lever, Room & Defroster control lever) and the fan switch located on the separate housing.



Factory trained mechanics for complete Datsun service

VENTILATING AND HEATING



TO VENTILATE THE CAR

By moving the temperature lever downward, the OUT-IN air control lever and room and defroster control lever upward then turning the fan switch clockwise, you can get fresh air directly into the interior.

TO HEAT THE CAR

1. Move the temperature control lever to the "HOT" position. In case that you get hotter air, move the OUT-IN air control lever to "IN" position.
2. When the temperature gauge indicates that the engine is warm, turn the fan switch clockwise.
3. Move the room and defroster control lever to "ROOM" position.

TO DEFROST THE WINDSHIELD

Operate the heater in the manner described above. However, turn the room and defroster control lever to the "DEF" position.

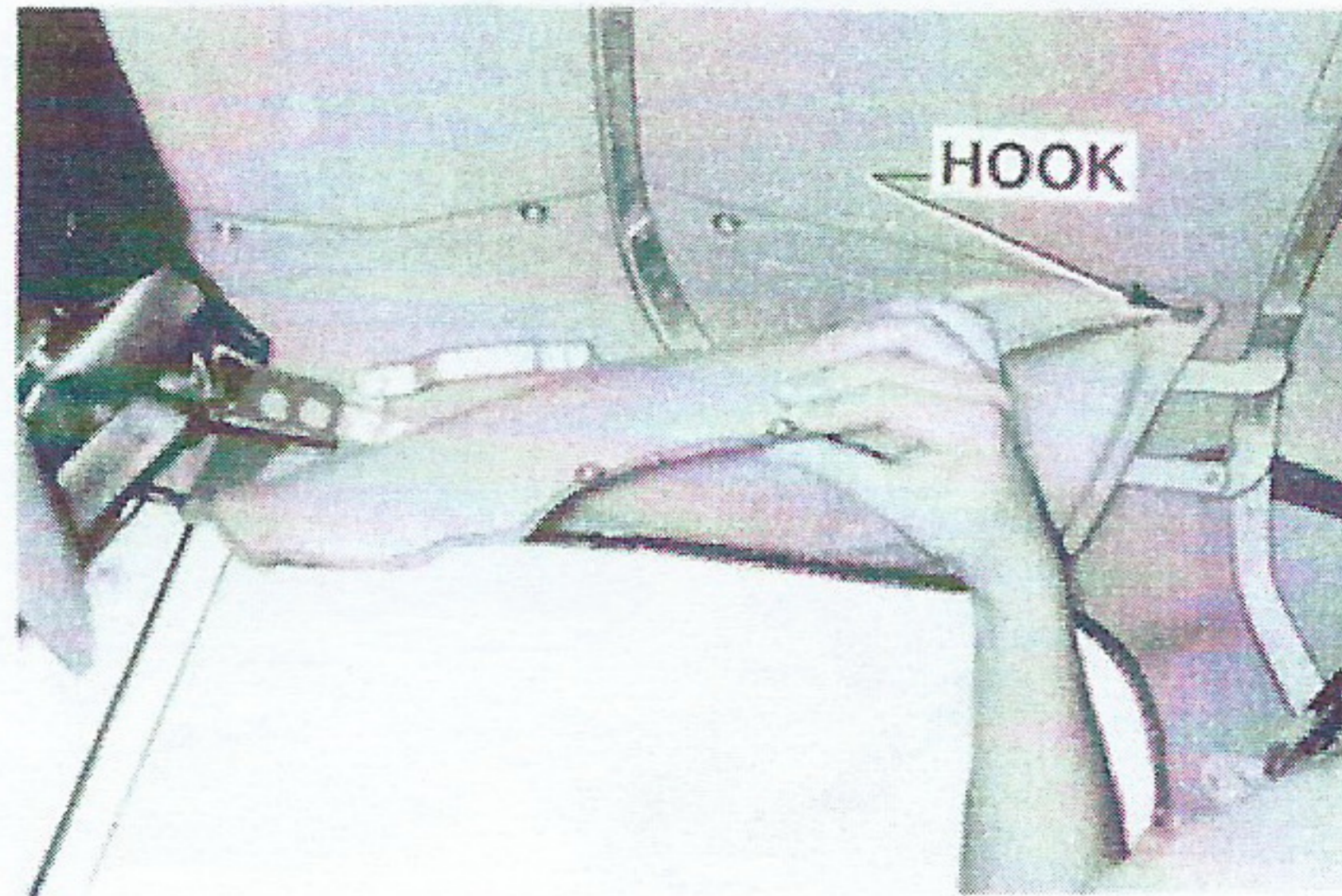
In case of defrosting the windshield more powerfully, move the OUT-IN air control lever to "IN" position.

TO DEFOG THE WINDSHIELD

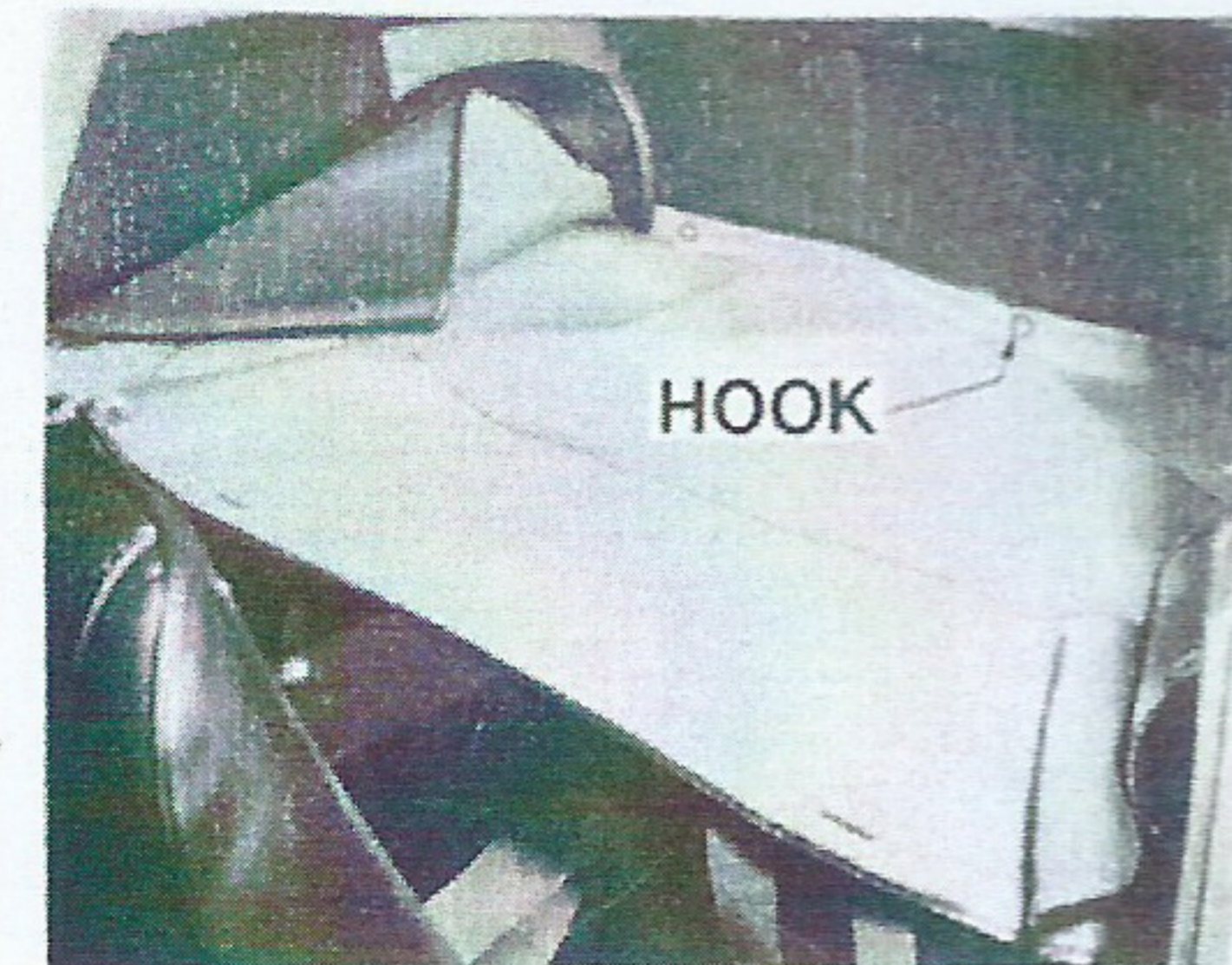
Use the same procedure as for defrosting action except set the temperature control lever to the "COLD" position.

SOFT TOP (How to raise and lower)

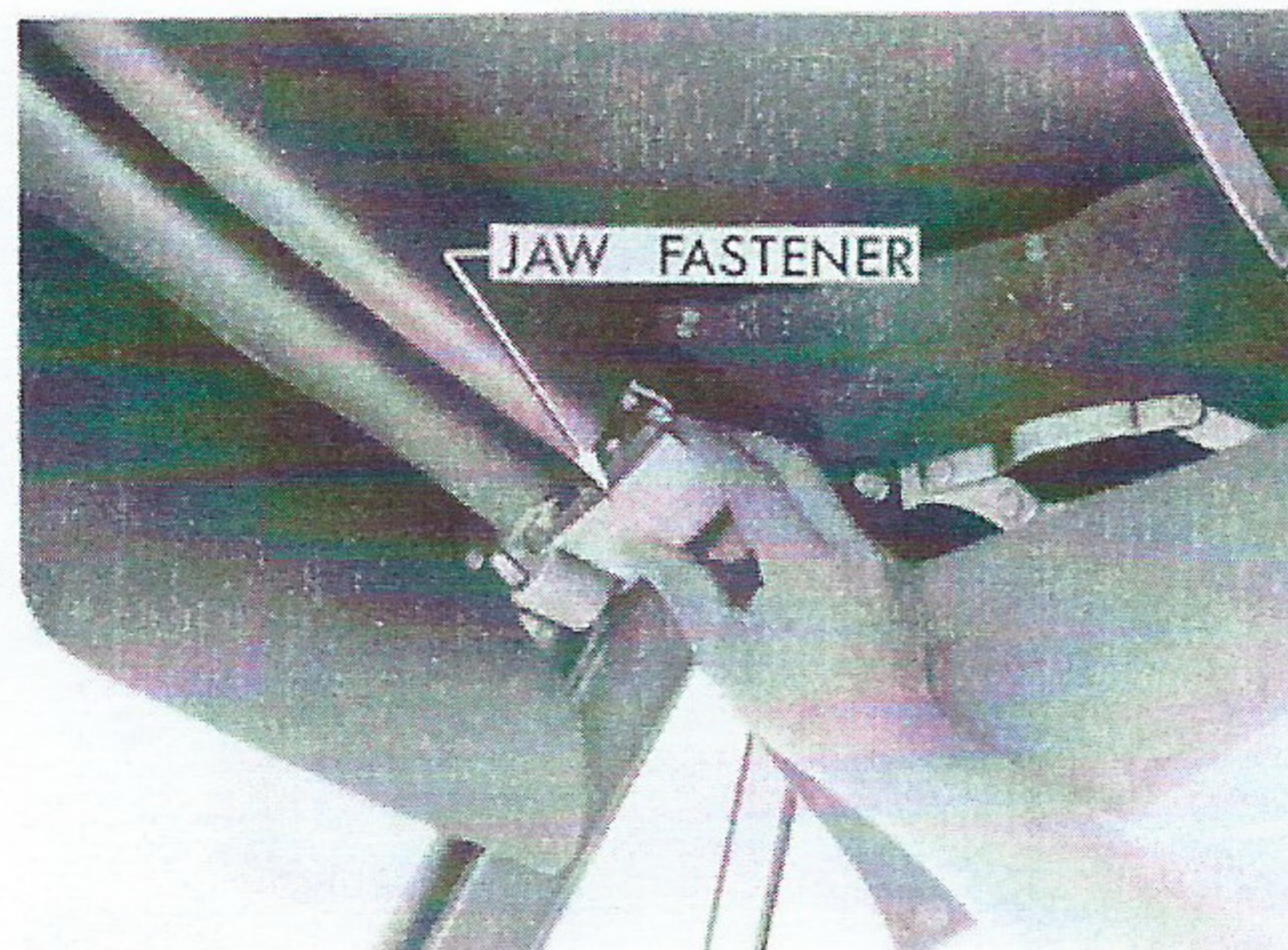
TO LOWER THE SOFT TOP



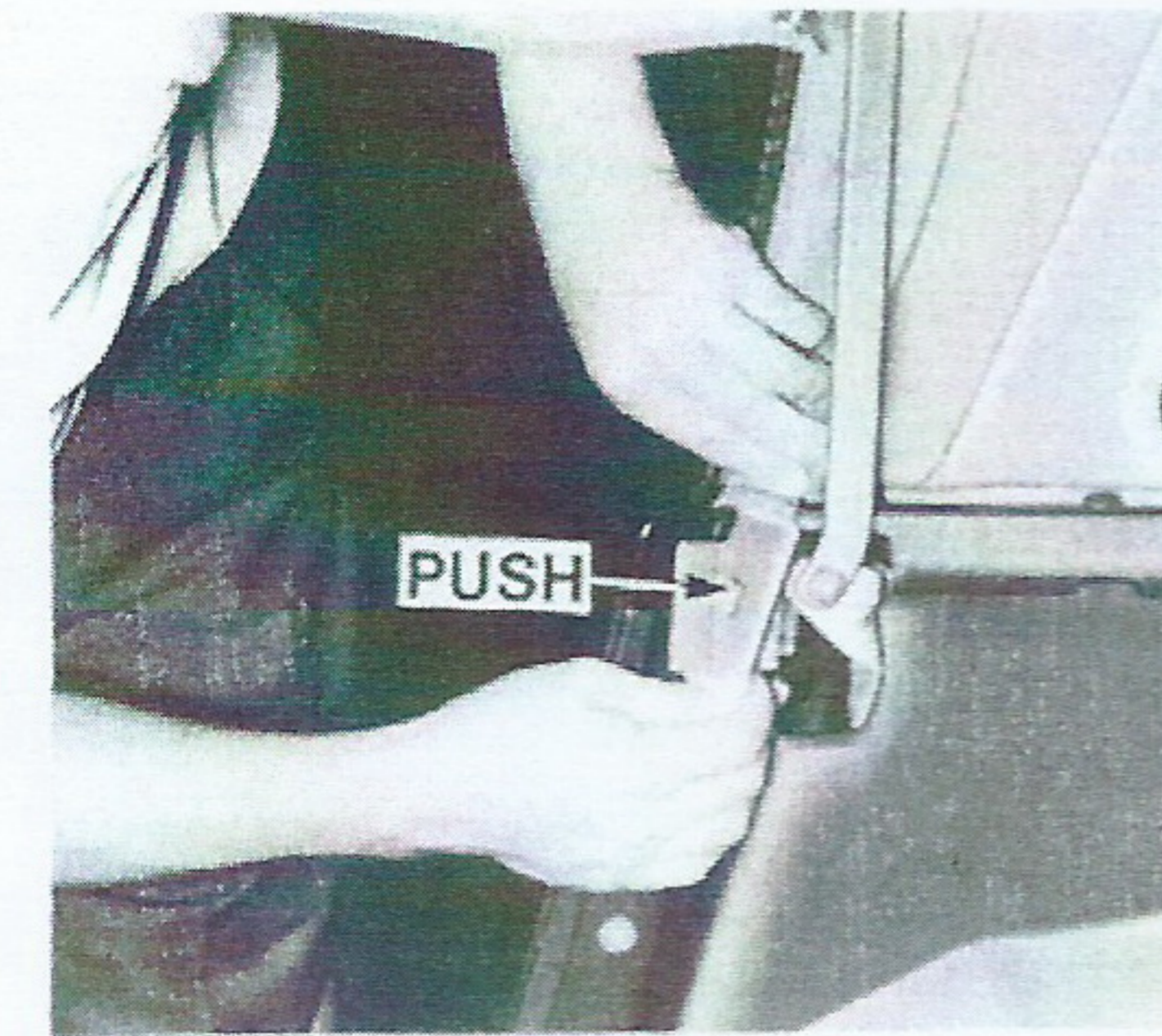
1 Unfasten the upper hook of the soft top frame cover.



3 Fasten the compartment cover with hooks.



2 Unfasten the jaw fastener by pulling it.

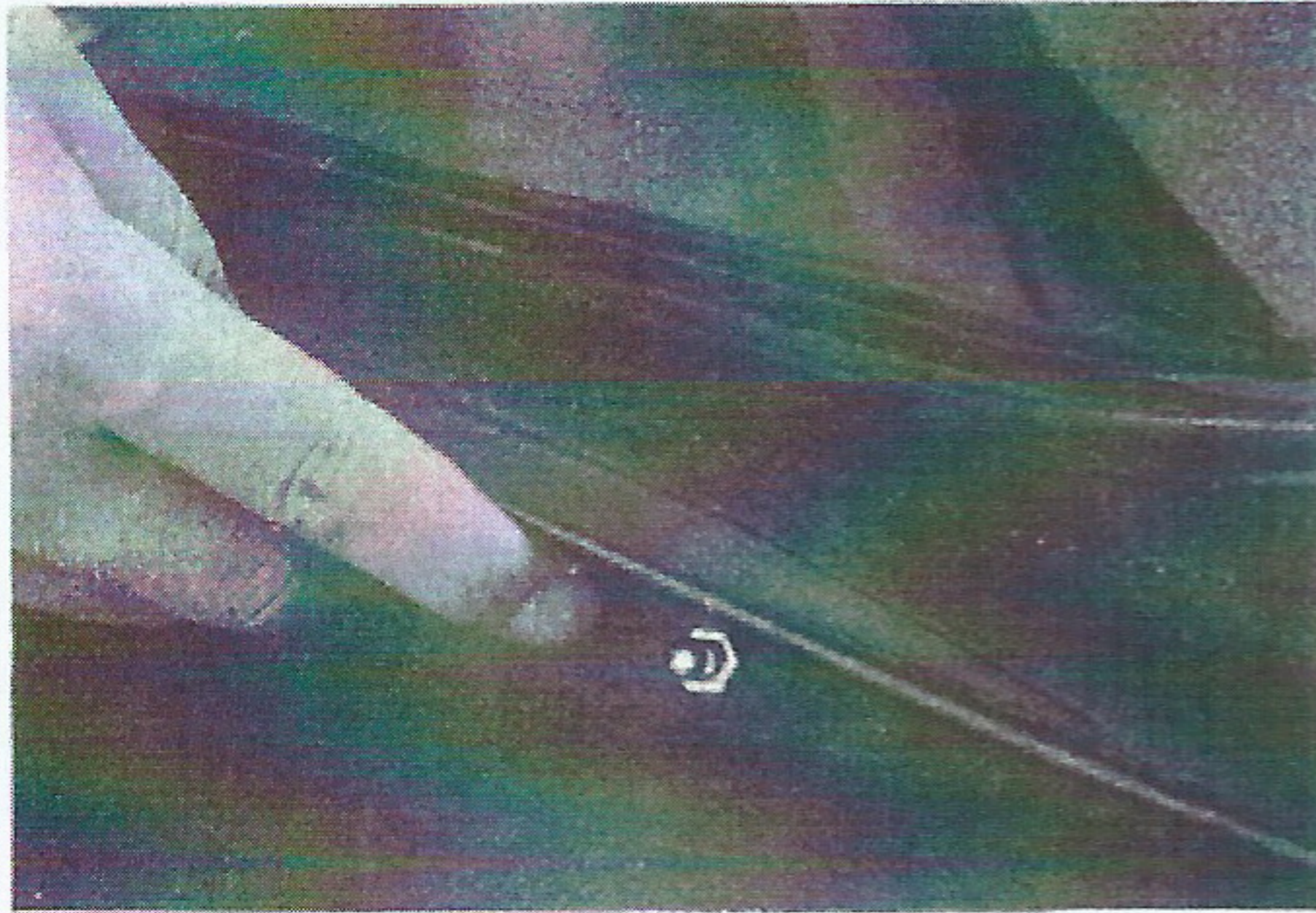


4 Detach the pushing plate from the bracket.

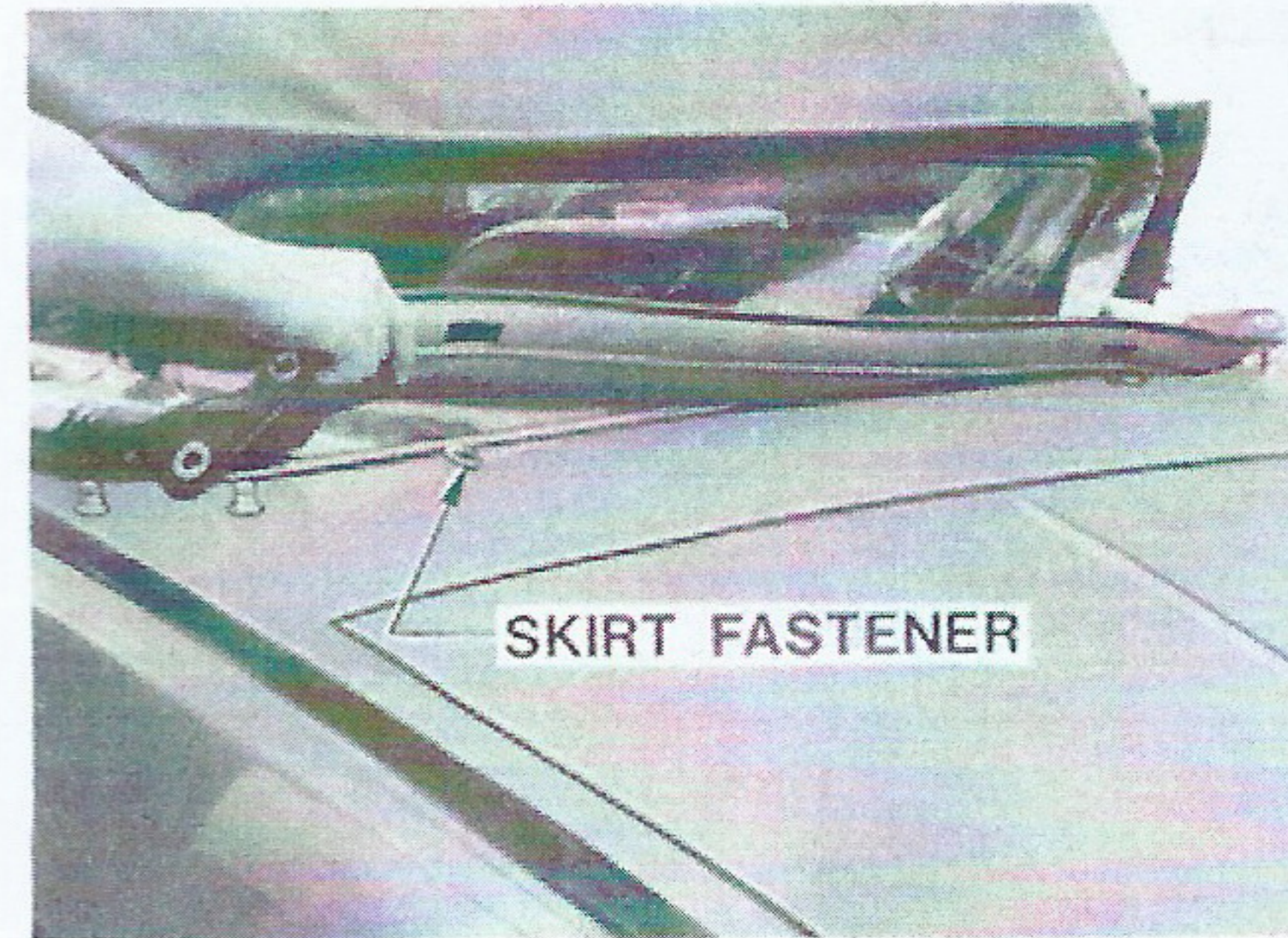


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SOFT TOP (How to raise and lower)



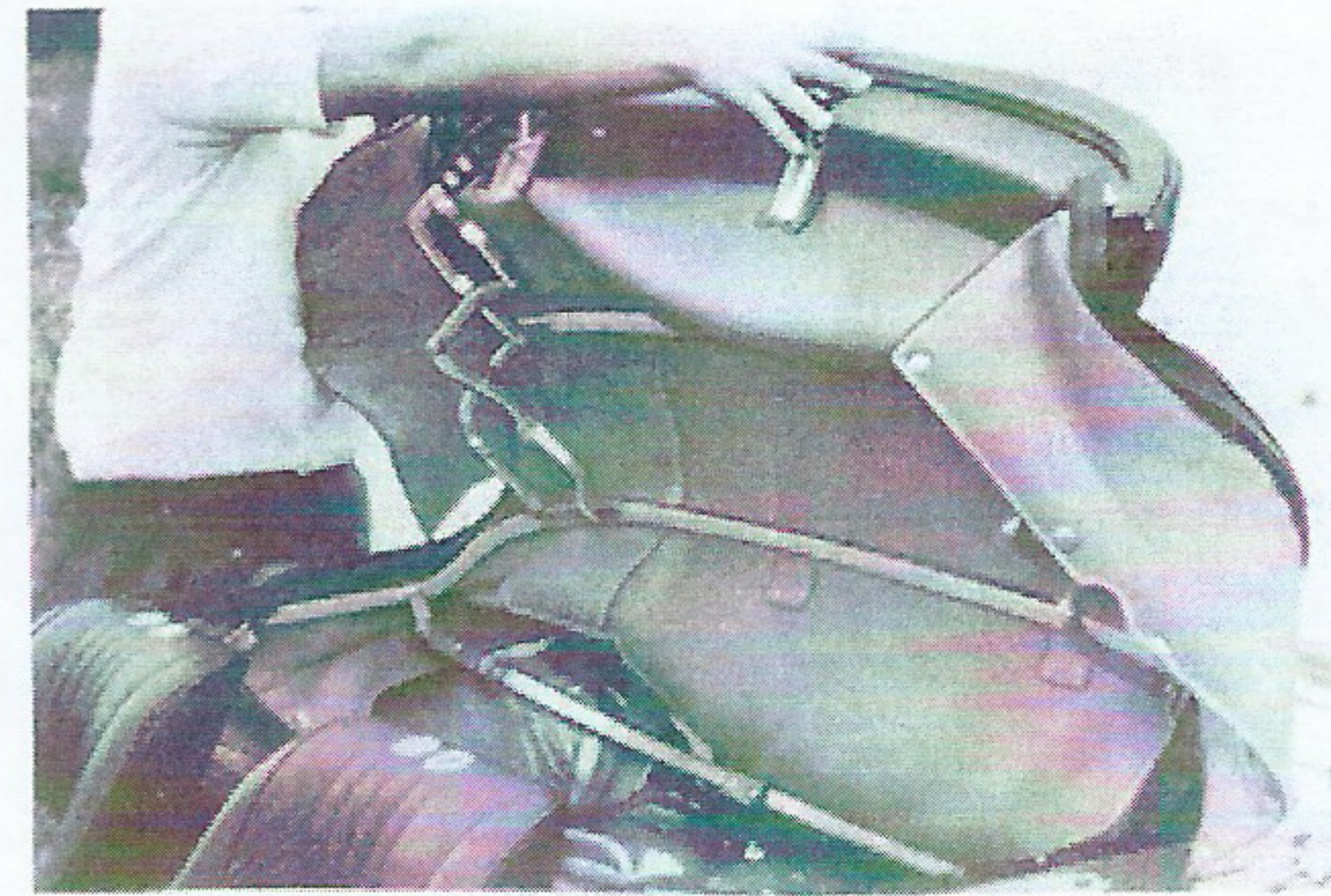
- 5 Unfasten the snaps from the front to rear by turning them.



- 7 Take out the skirt frame from the skirt fastener.

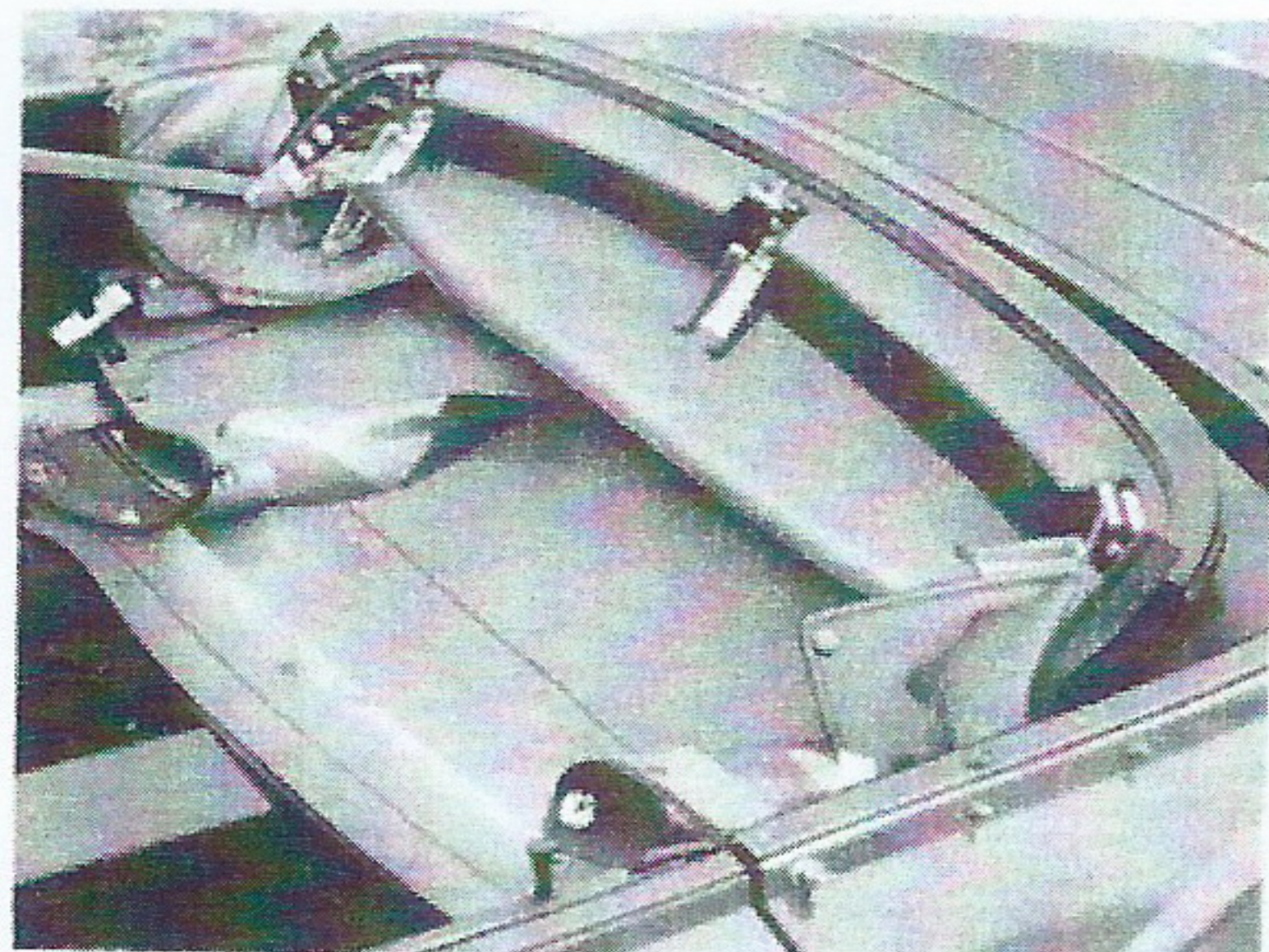


- 6 Raise the soft top backwards.

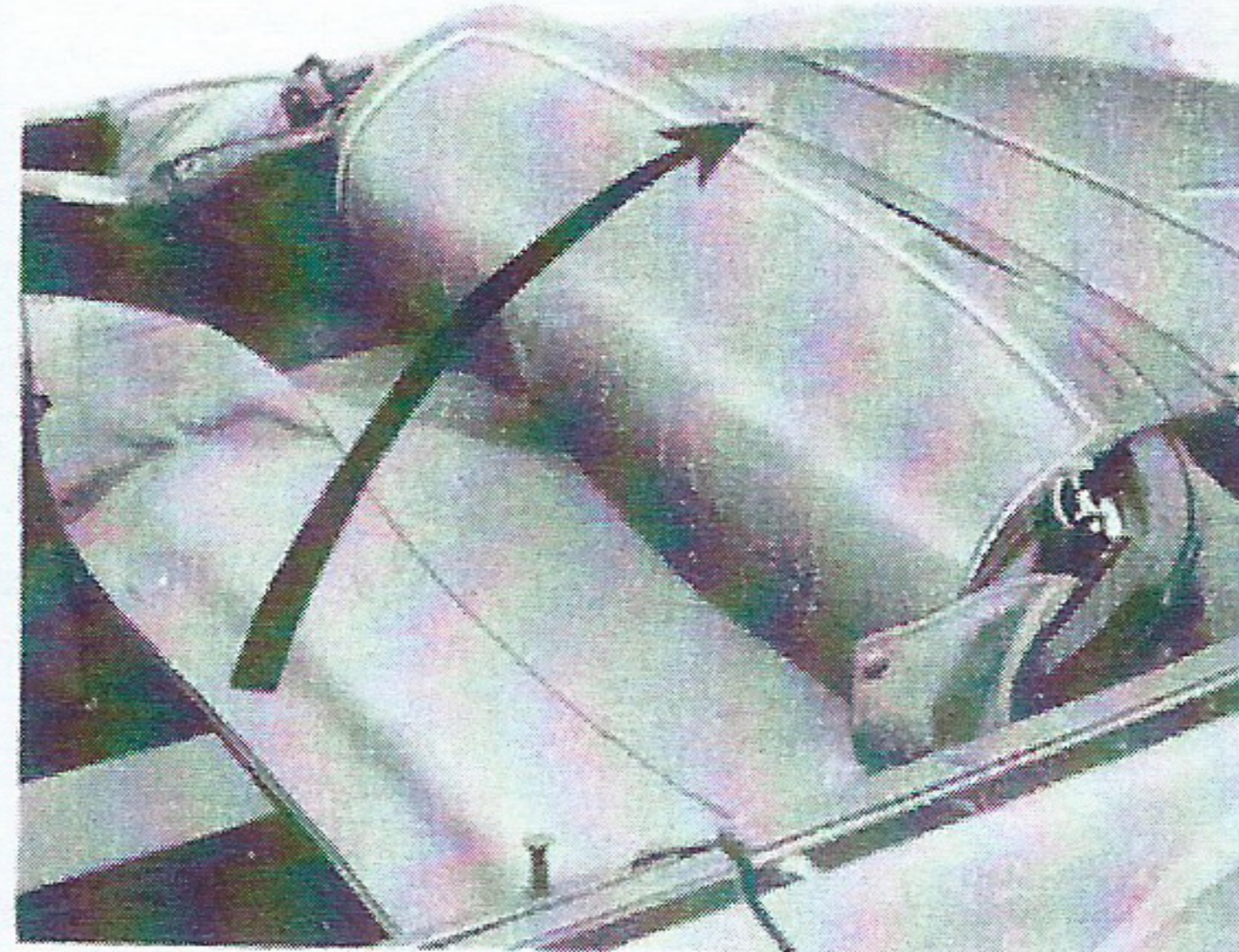


- 8 Fold the canvas in position without creasing the side and rear window.

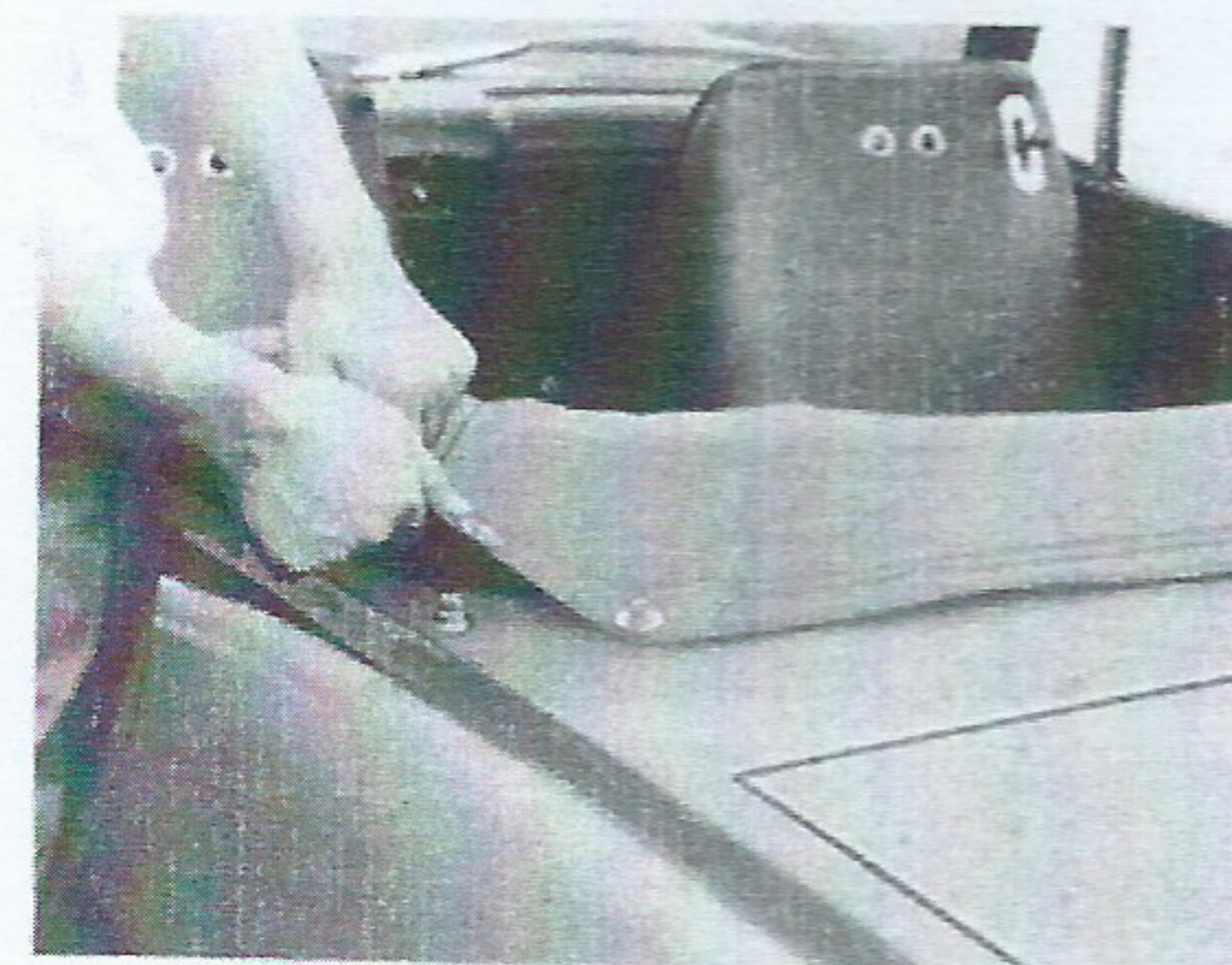
SOFT TOP (How to raise and lower)



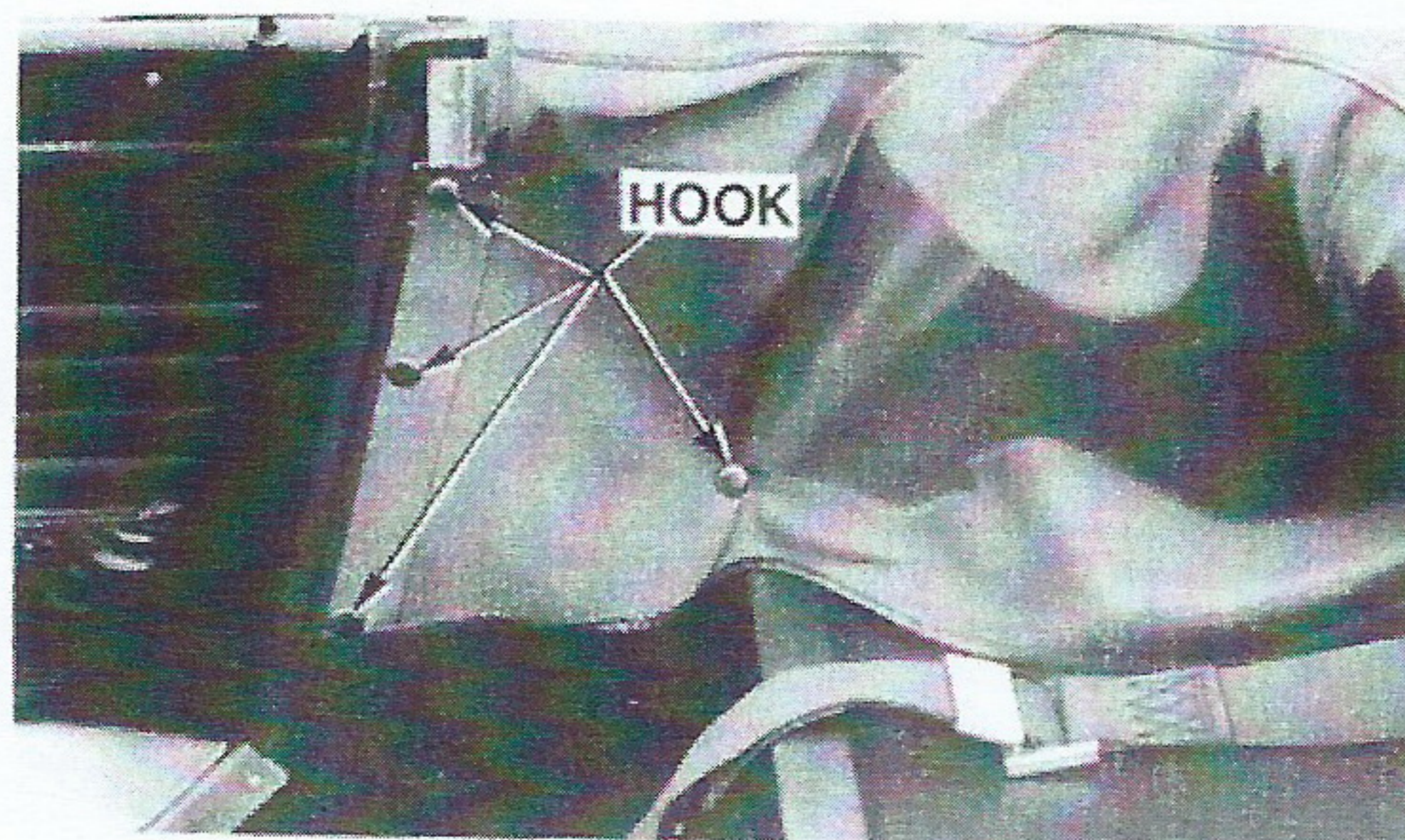
9 Lower the soft top into storage area.



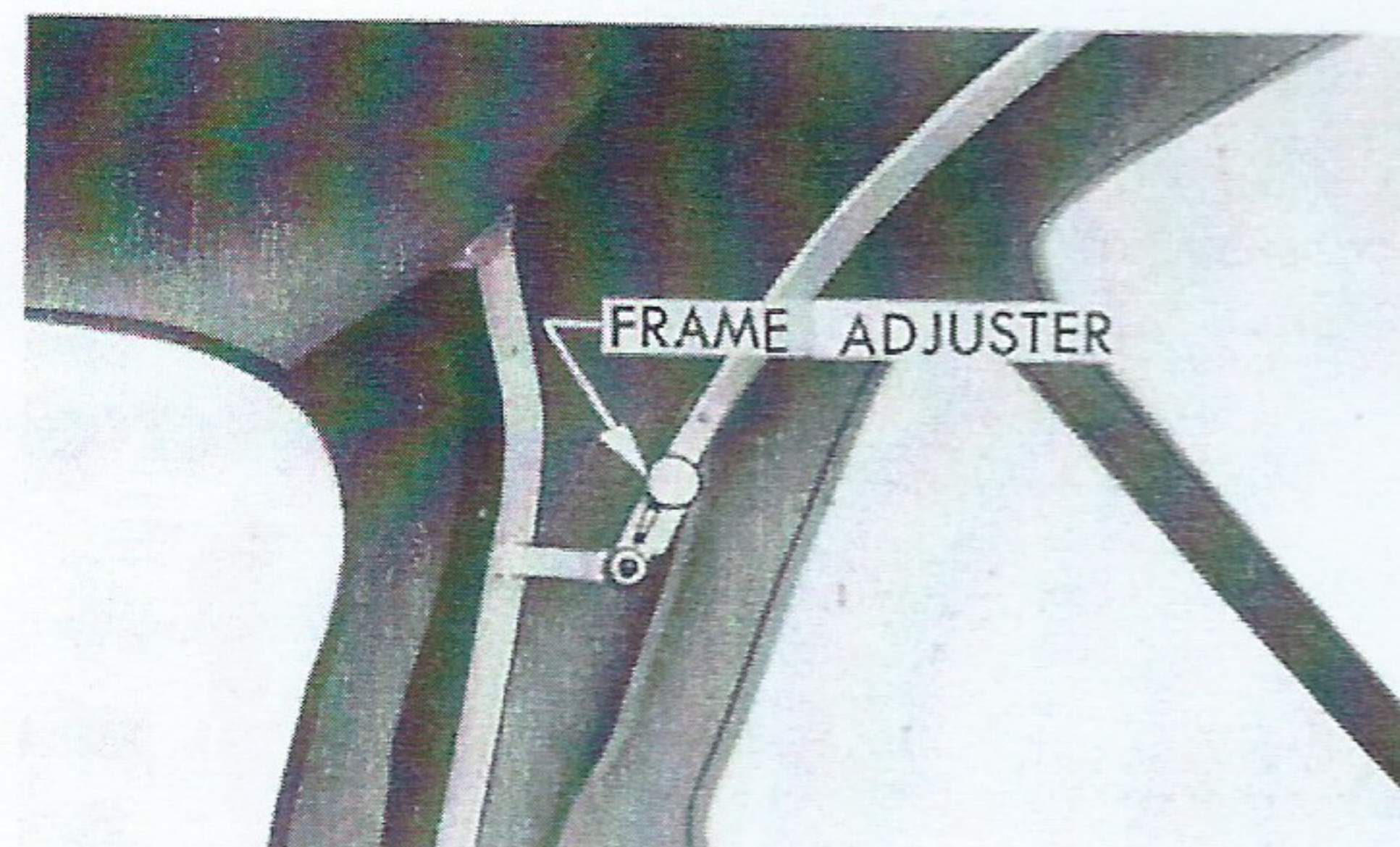
10 Cover the folded canvas with the compartment cover.



11 Fasten the compartment cover with snaps.



12 Fasten the compartment cover with inner hooks at both right and left sides.

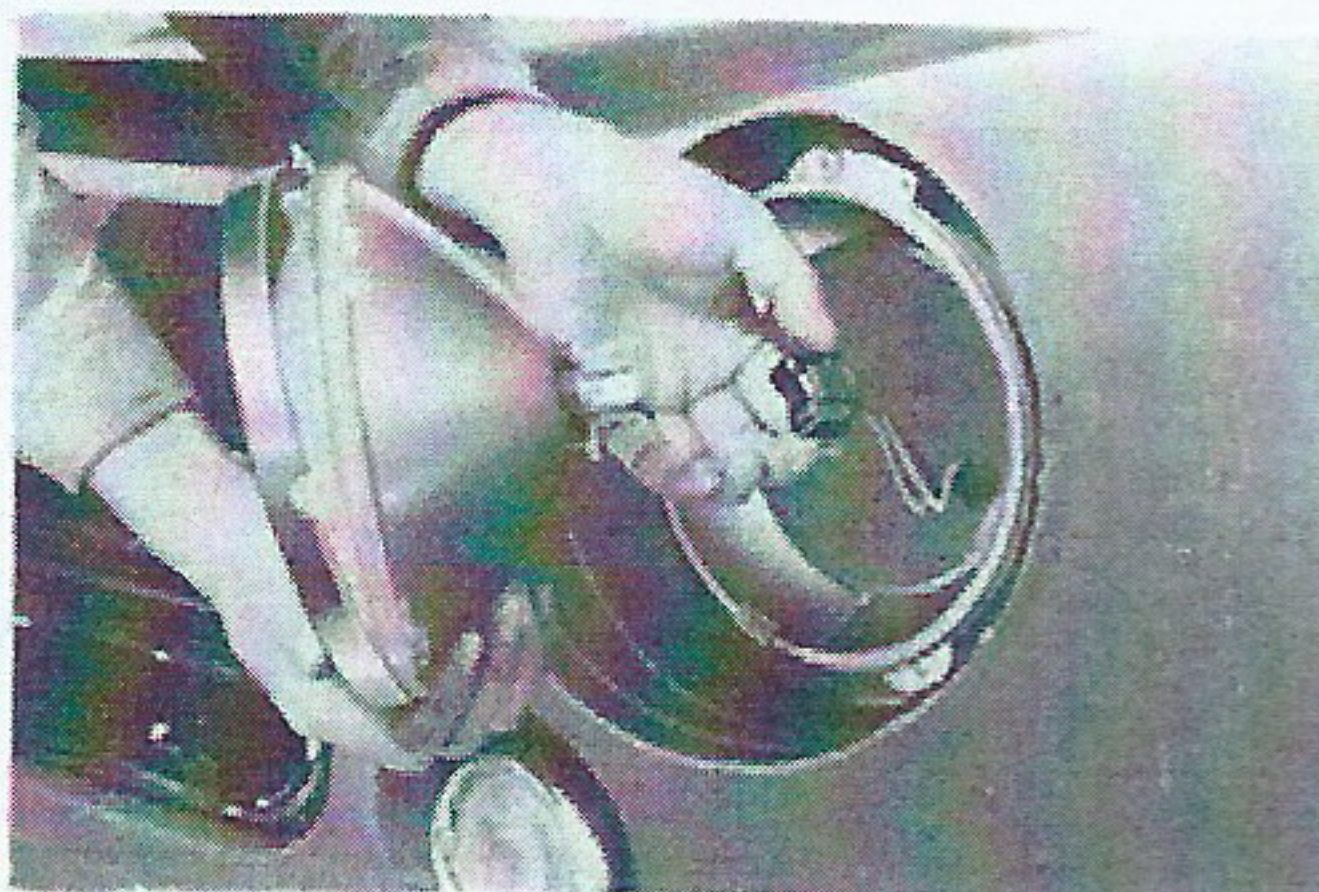


13 Adjust the canvas tension with the frame adjuster.



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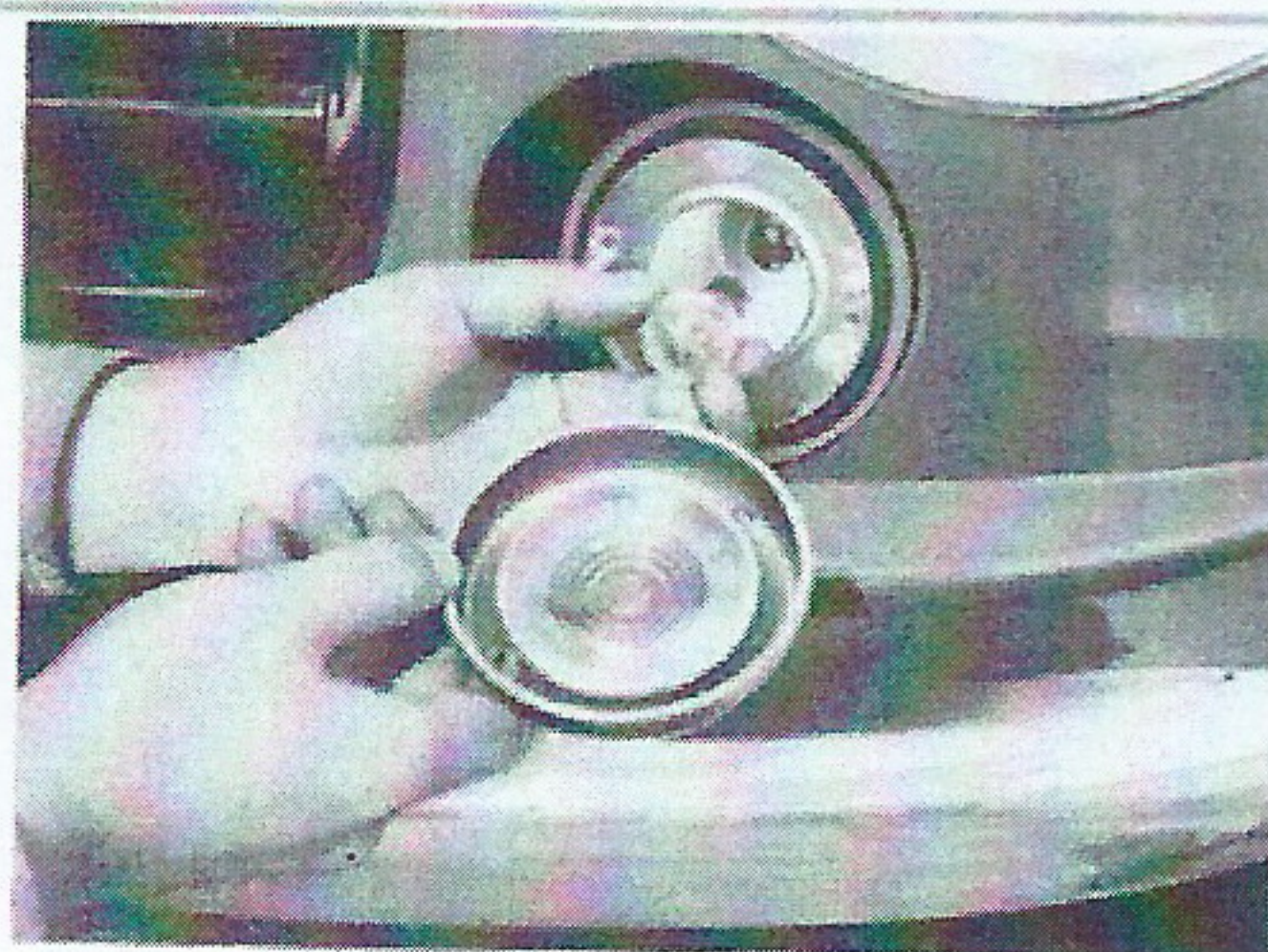
ELECTRICAL SYSTEM



HEAD LAMPS

To change the sealed beam units, remove the rim cover and three screws which secure the lamp assembly as shown in the following illustrations. Whenever a sealed beam is replaced, the head light should always be checked for alignment and adjusted if necessary.

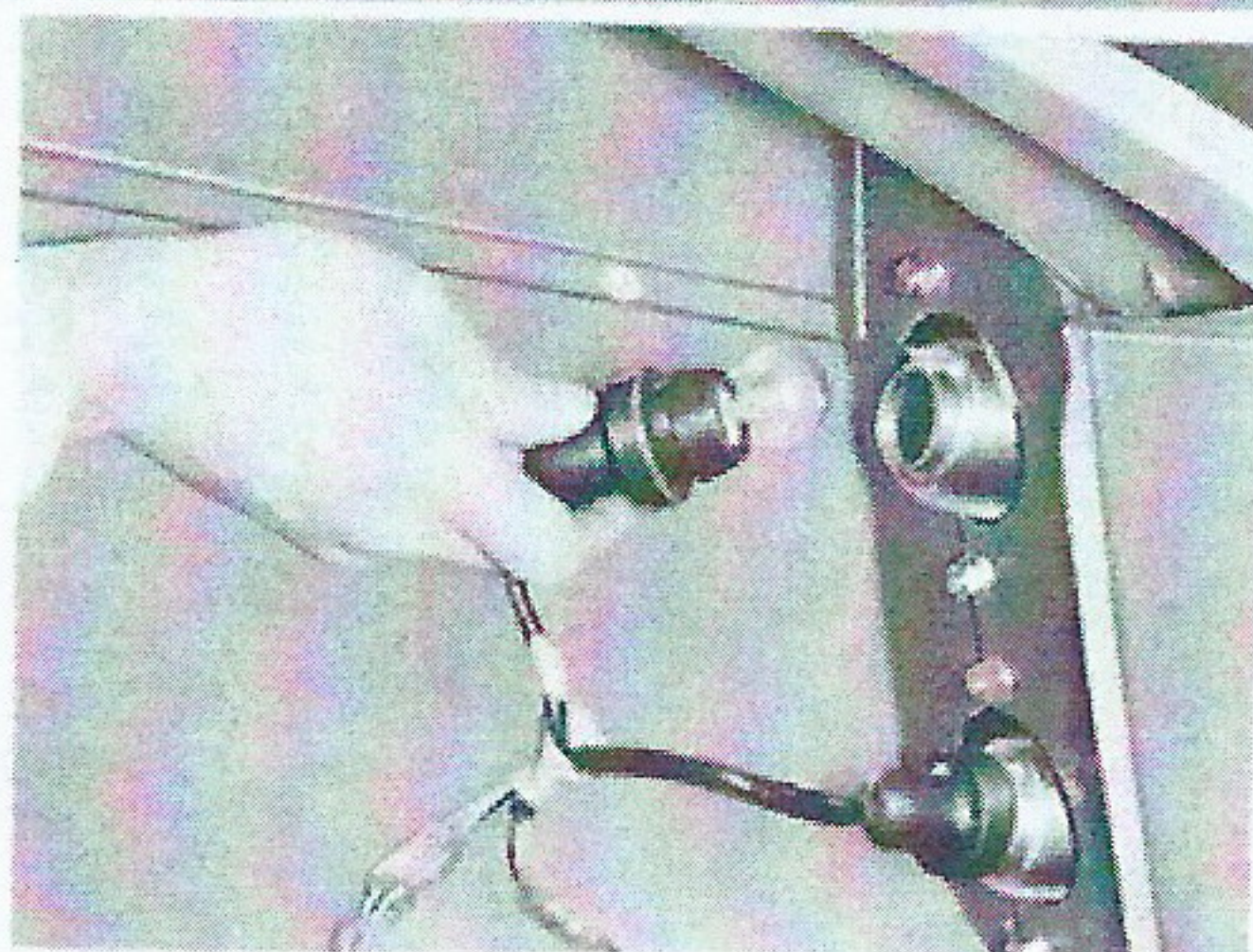
Sealed beam units : (12V - 50/40W)



DIRECTIONAL AND PARKING LAMPS (Front)

Remove the two screws and replace the bulb.

Bulbs : (12V - 25/8W)



DIRECTIONAL, TAIL AND STOP LAMPS (Rear)

Remove the socket, located inside the trunk room, by turning it counter-clockwise and then replace the bulbs.

Bulbs :

Stop and tail lights

(12V-25/8W)

Directional lights (Amber lens)

(12V-25W)

Directional stop and tail lights (for USA and Canada) (12V-25/8W)
(Red lens)

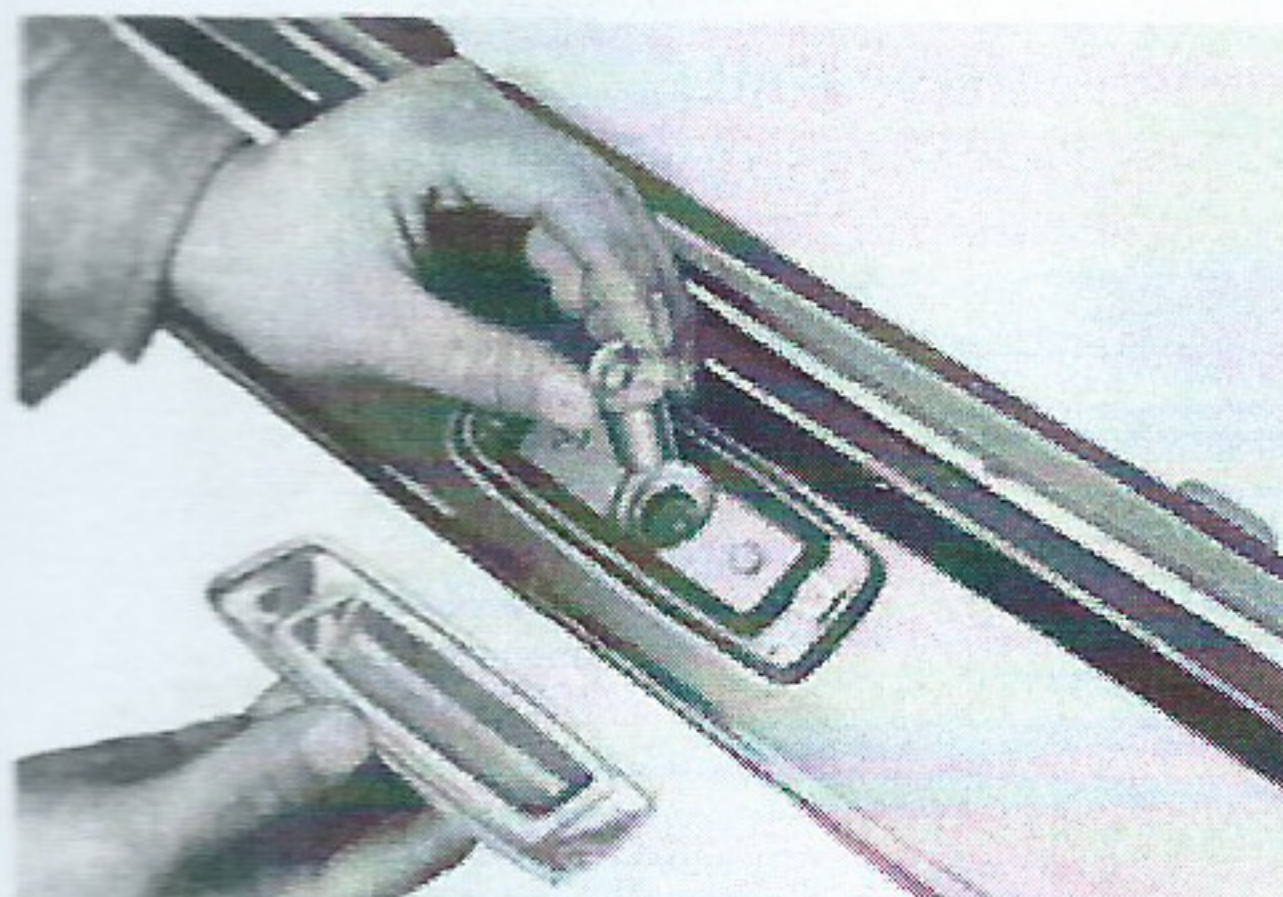
ELECTRICAL SYSTEM



BACK UP LAMP

Remove the two screws securing the back up lamp lens. Press down the bulb, turn it counter-clockwise and remove.

Bulb: (12V - 15W)



LICENSE PLATE LAMP

Use the same procedure as for the back up lamp.

Bulb: (12V - 8 W)



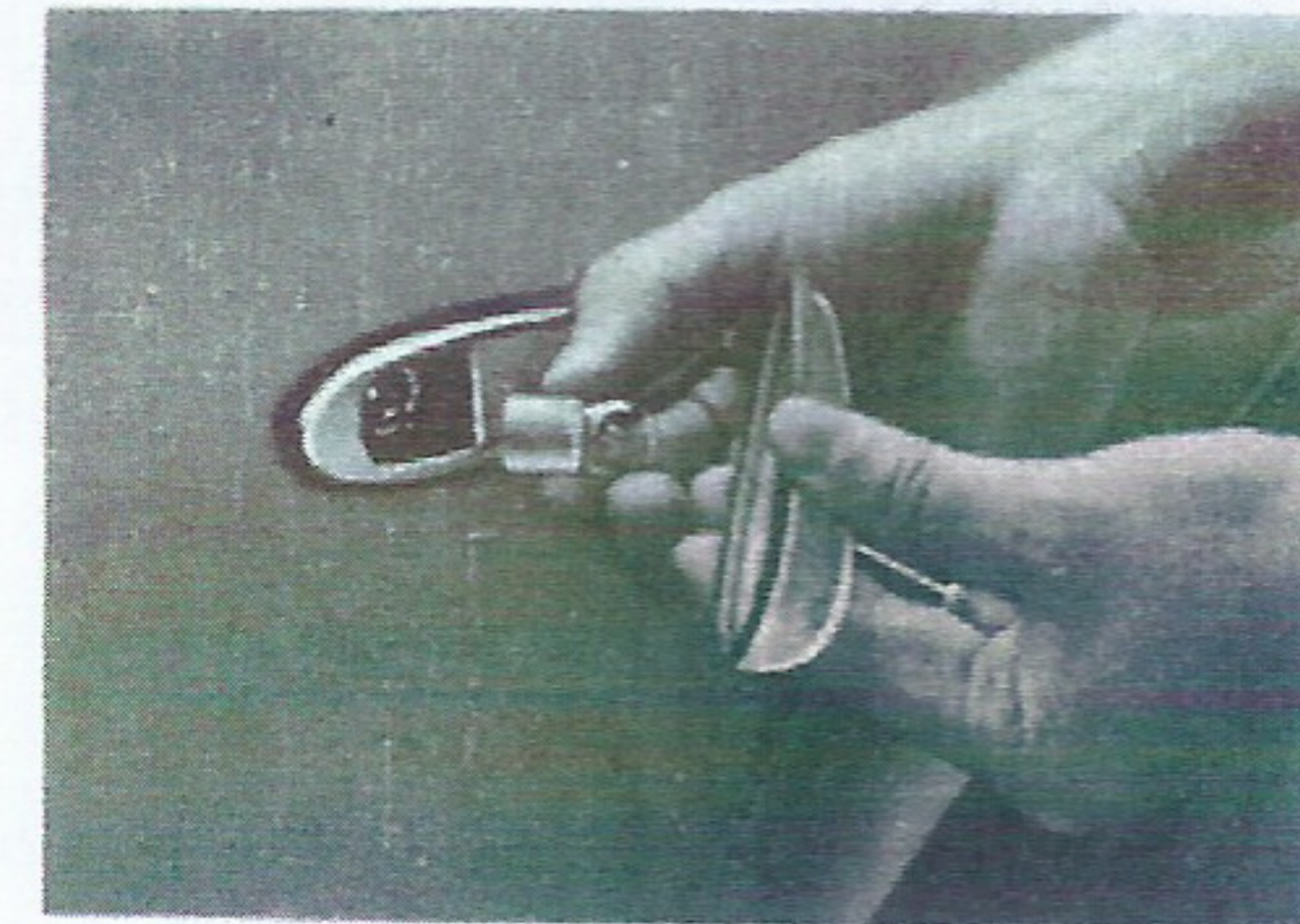
(For USA and Canada)

SIDE MARKER LAMP

(For USA and Canada)

Front

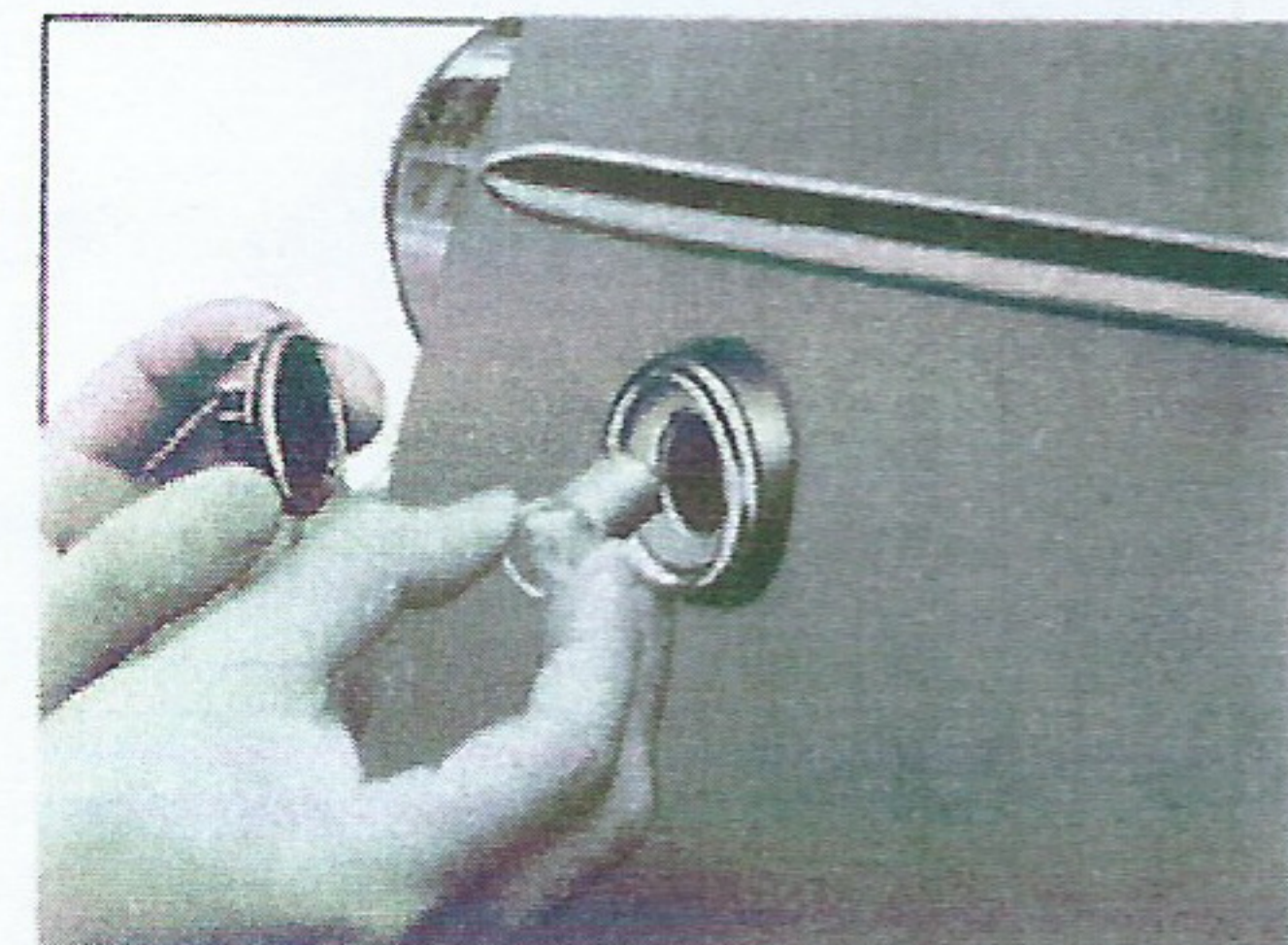
Remove the screw securing the side marker lamp lens. Press down the bulb, turn it counter-clockwise and remove.



Rear

Turn the side marker lamp lens and remove it. Press down the bulb, turn it counter-clockwise and remove.

Bulb: (12V - 8W)



FUSES

Fuses are located in the glove compartment. If a fuse needs to be replaced, refer to the specifications listed on the back of the fuse box cover.



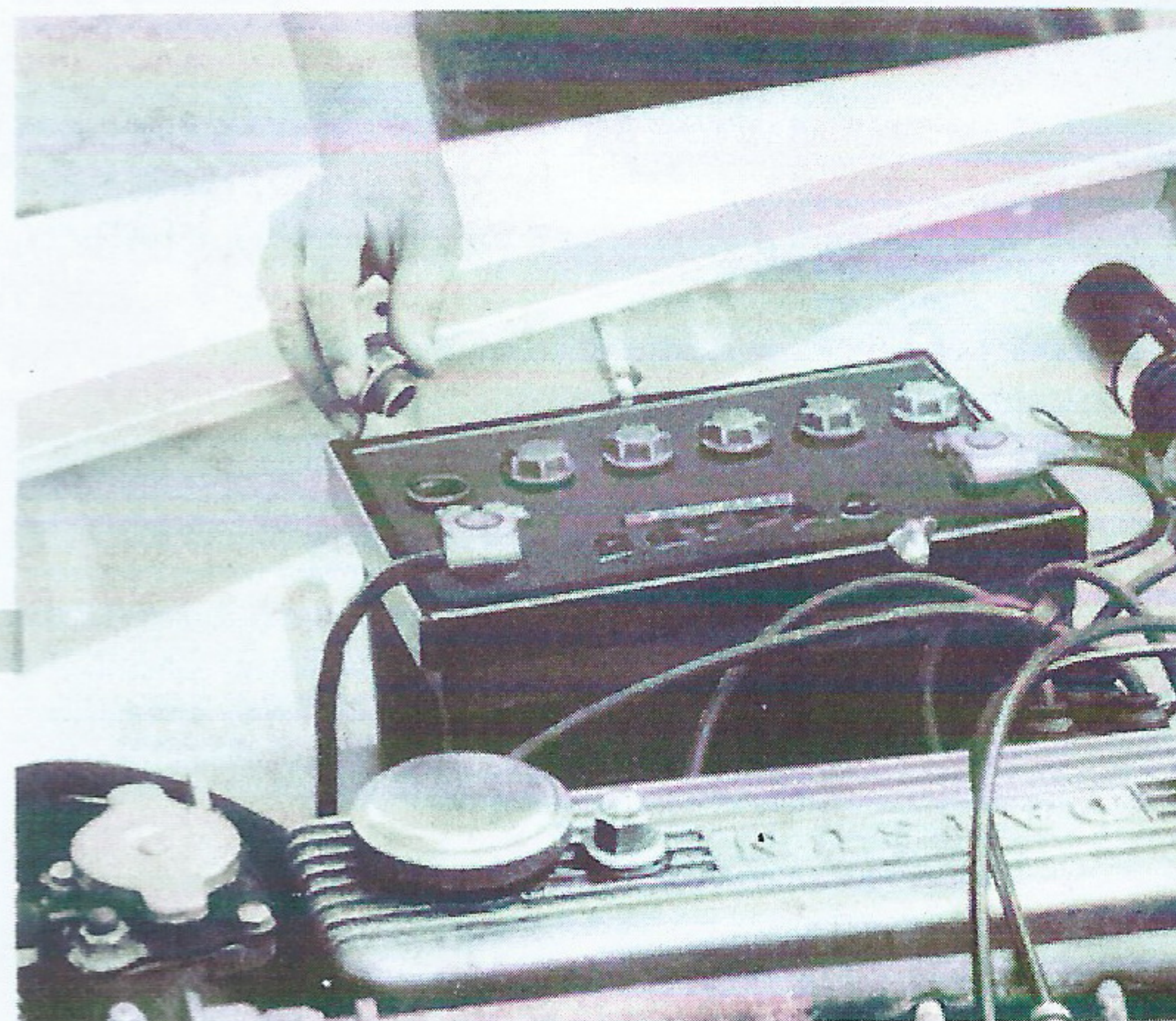
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ELECTRICAL SYSTEM

BATTERY

Check the electrolyte level in the battery about once a month. If necessary add distilled water to bring the level up approximately 5 mm above the plates. Do not overfill.

To prevent corrosion and leakage of current keep the top of battery clean and dry. Also keep the terminals clean and well covered with petroleum jelly.

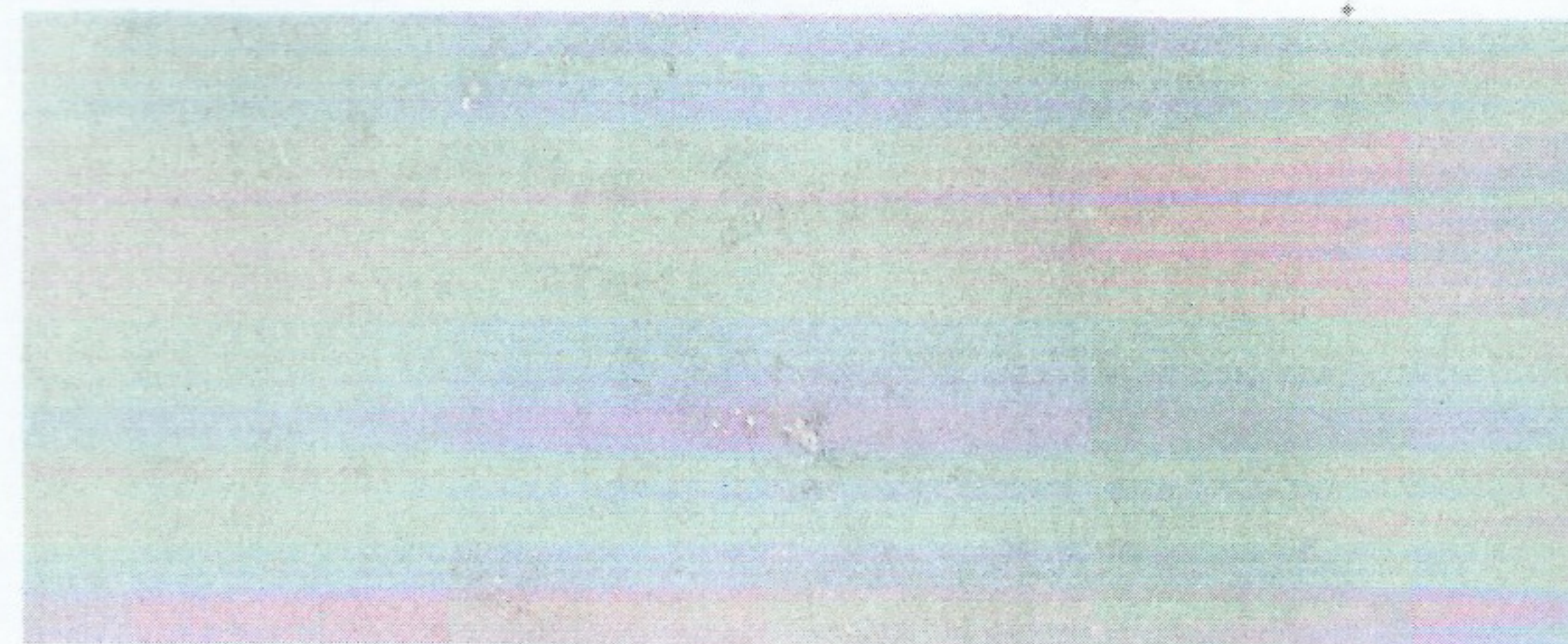


CHECKING SPECIFIC GRAVITY

Check the specific gravity of the electrolyte in each of the cells by hydrometer.

Specific gravity should be as follows.

	Full charged specific gravity at 68°F, 20°C
Frigid climates	1.28
Tropical climates	1.26
Other climates	1.23



WHEELS AND TIRES

Performance, ride and handling qualities of any car are greatly influenced by tire condition and pressure. Tire pressure lower than recommended will reduce

tire life and ride qualities. Pressure above those recommended affects the life and ride of the vehicle adversely, because "hard" tires tend to magnify, rather than absorb road shocks.

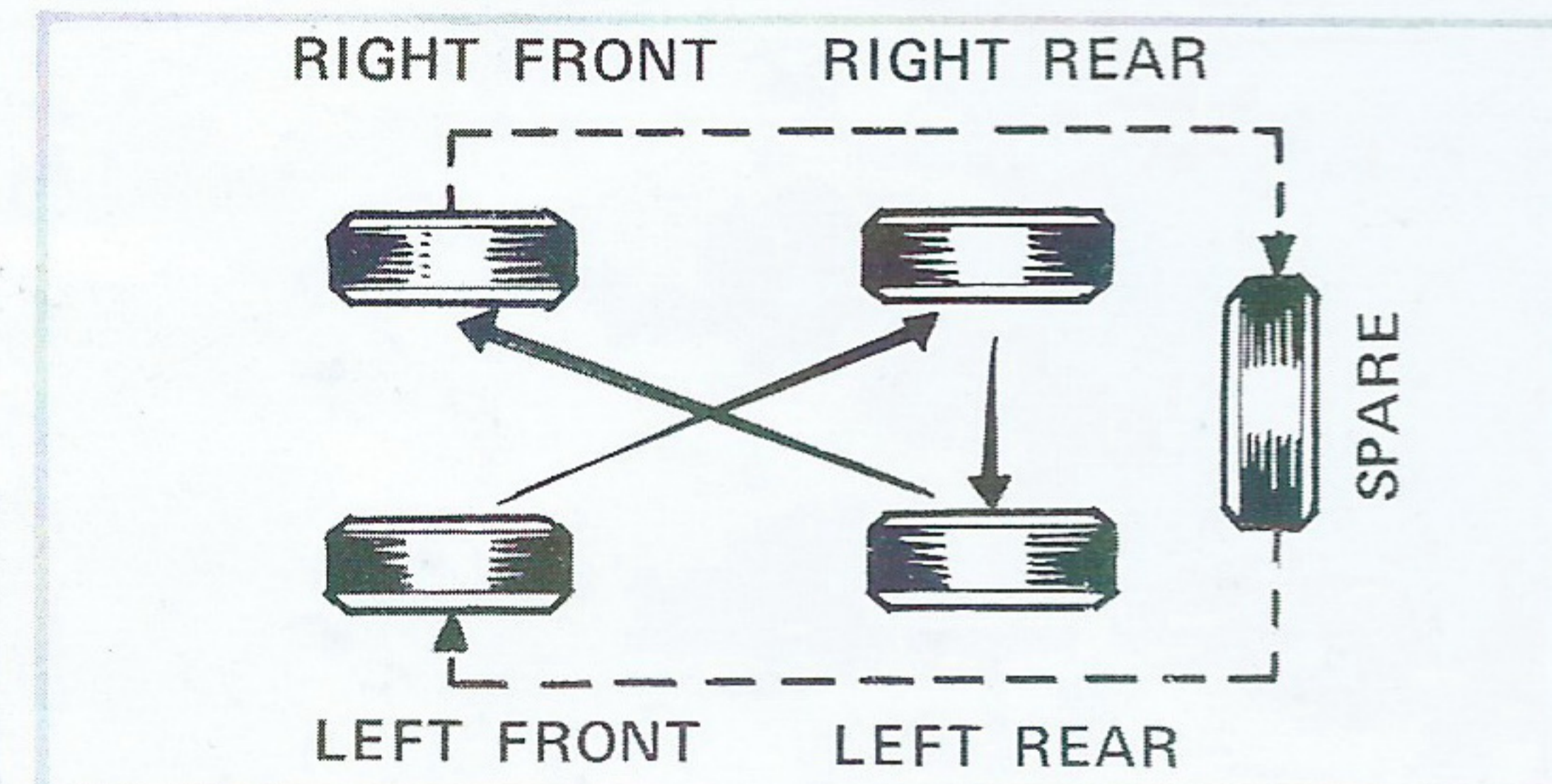
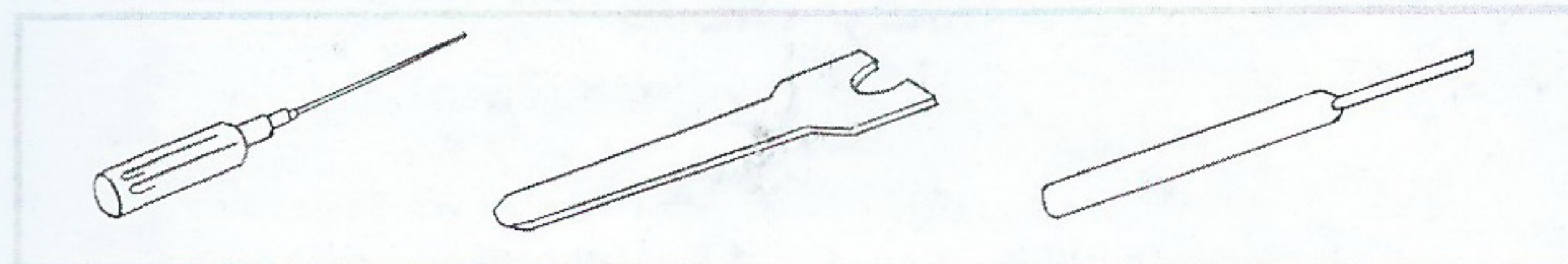
Recommended tire pressure

Tire \ Speeds	← 150 km/h (94 mile/h)	↔ 175 km/h (109 mile/h)	↔ 200 km/h (125 mile/h)	→
5. 60S14-4	1.5 kg/cm ² (22 lb/in ²)	1.8 kg/cm ² (25.5 lb/in ²)		
6. 45H14-4 (Optional)	1.5 kg/cm ² (22 lb/in ²)	1.8 kg/cm ² (25.5 lb/in ²)	2.0 kg/cm ² (28.4 lb/in ²)	2.3 kg/cm ² (32.7 lb/in ²)

Note : The tire pressure should be measured under cold condition.

TIRE ROTATION

To equalize tire wear, tires should be rotated every 10,000 km (6,000 miles) as shown in the diagram.



Factory trained mechanics for complete Datsun service

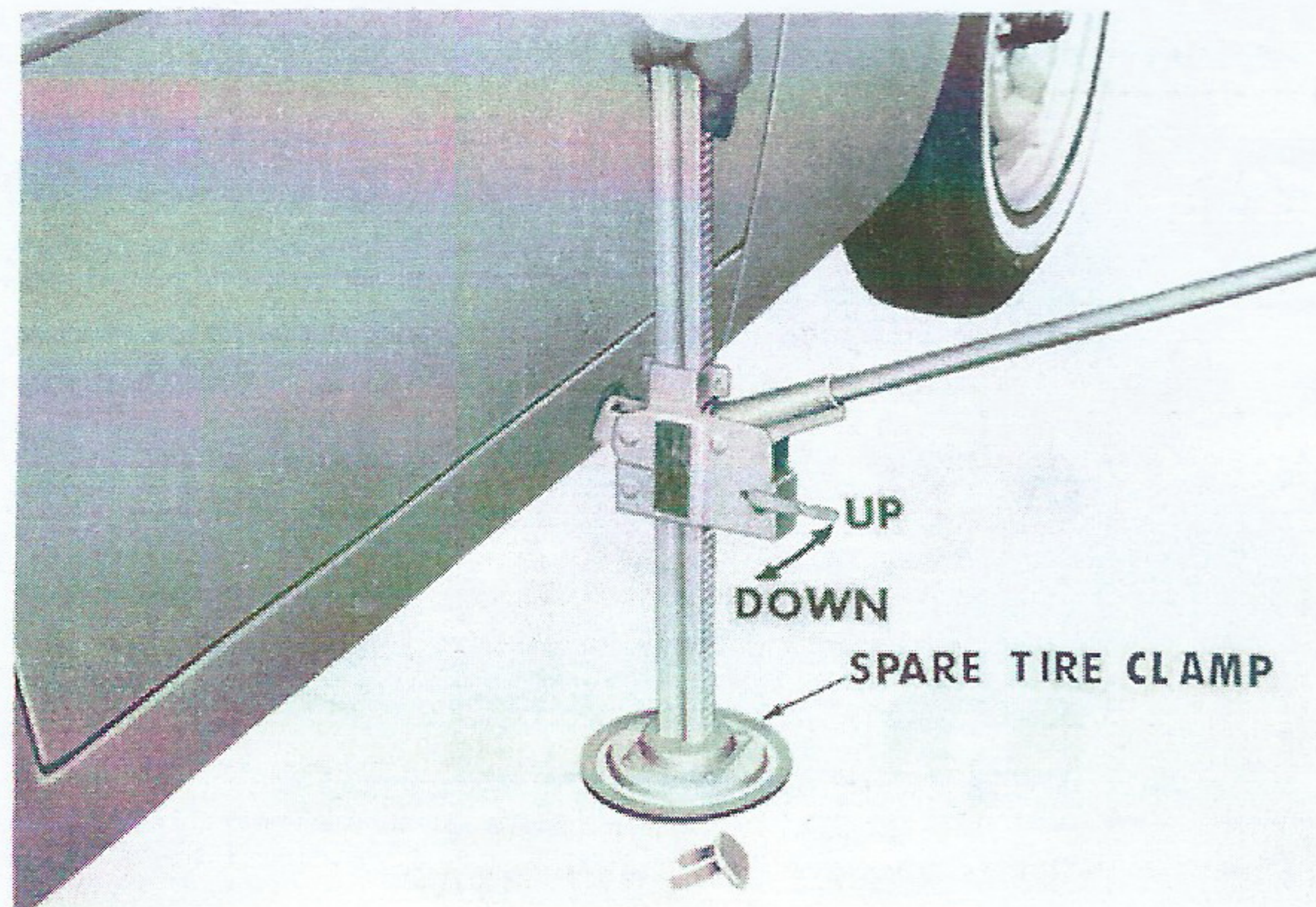
WHEELS AND TIRES

JACKING UP

At first, put the wheel stopper on the opposite side wheel to be removed, then put the jack nose into the jacking hole of the body sill, in this case use the spare tire clamp plate for the jack stand.

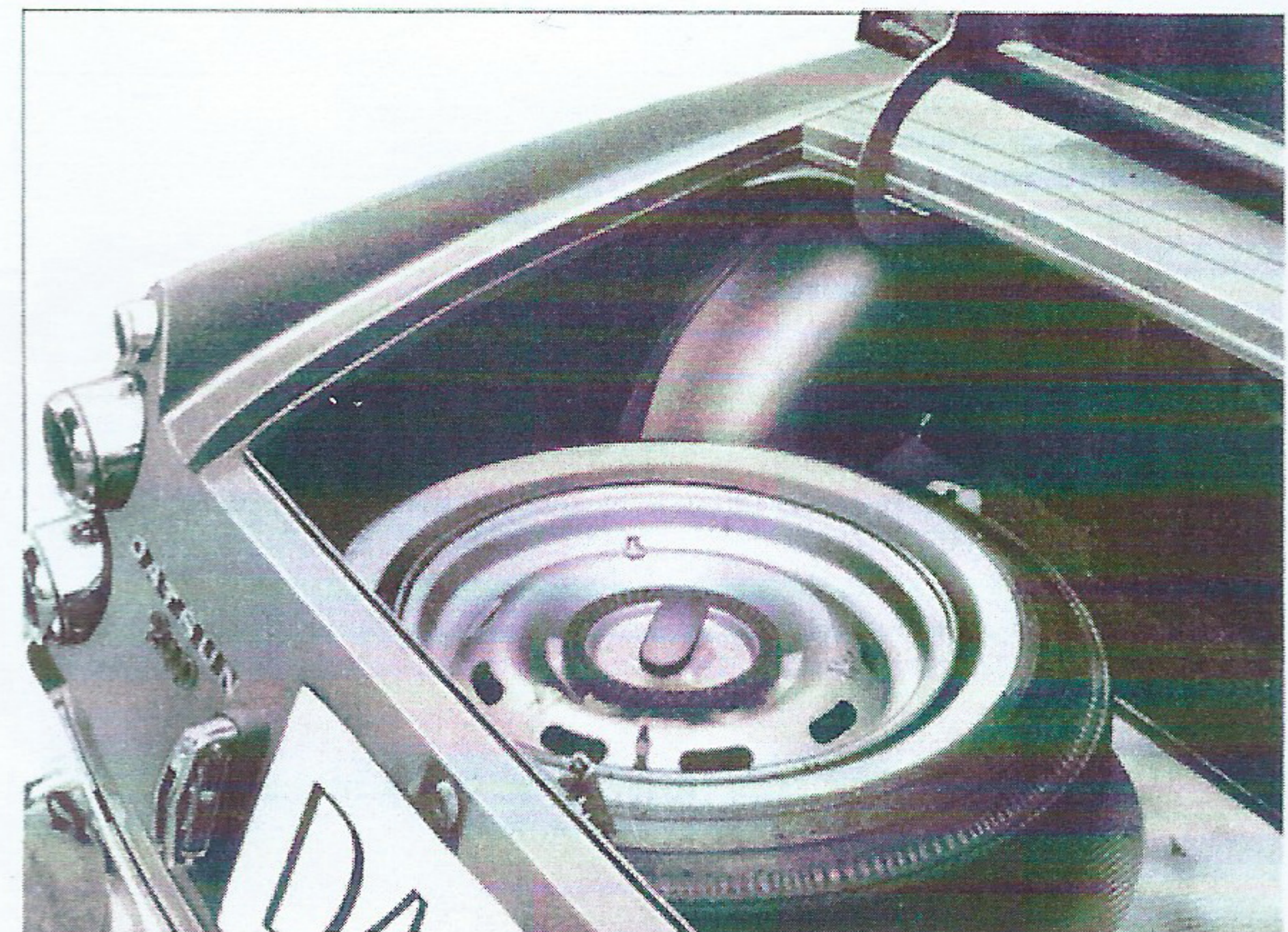
Pull upward the small lever near the jack handle socket. When the jack is properly aligned, alternately raise and lower the handle and the car will rise.

To lower the car, place the small lever in the down position and use the same motion employed to raise the car.



SPARE TIRES AND TOOLS

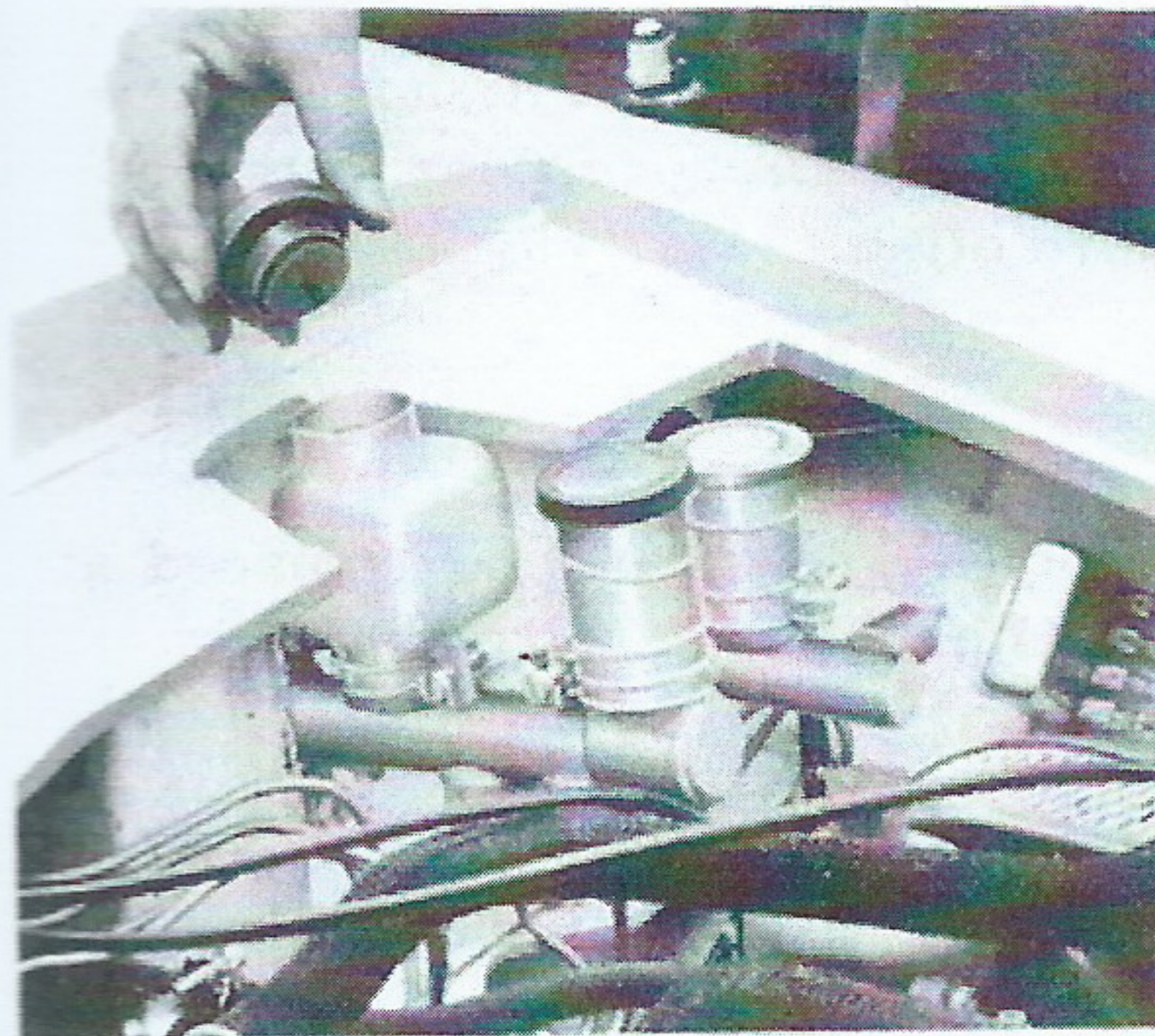
The spare wheel is stored in the rear luggage compartment fixed with a spare wheel clamp. The tool bag and jack are also stored in the trunk room.



CHECKING AND ADJUSTMENT

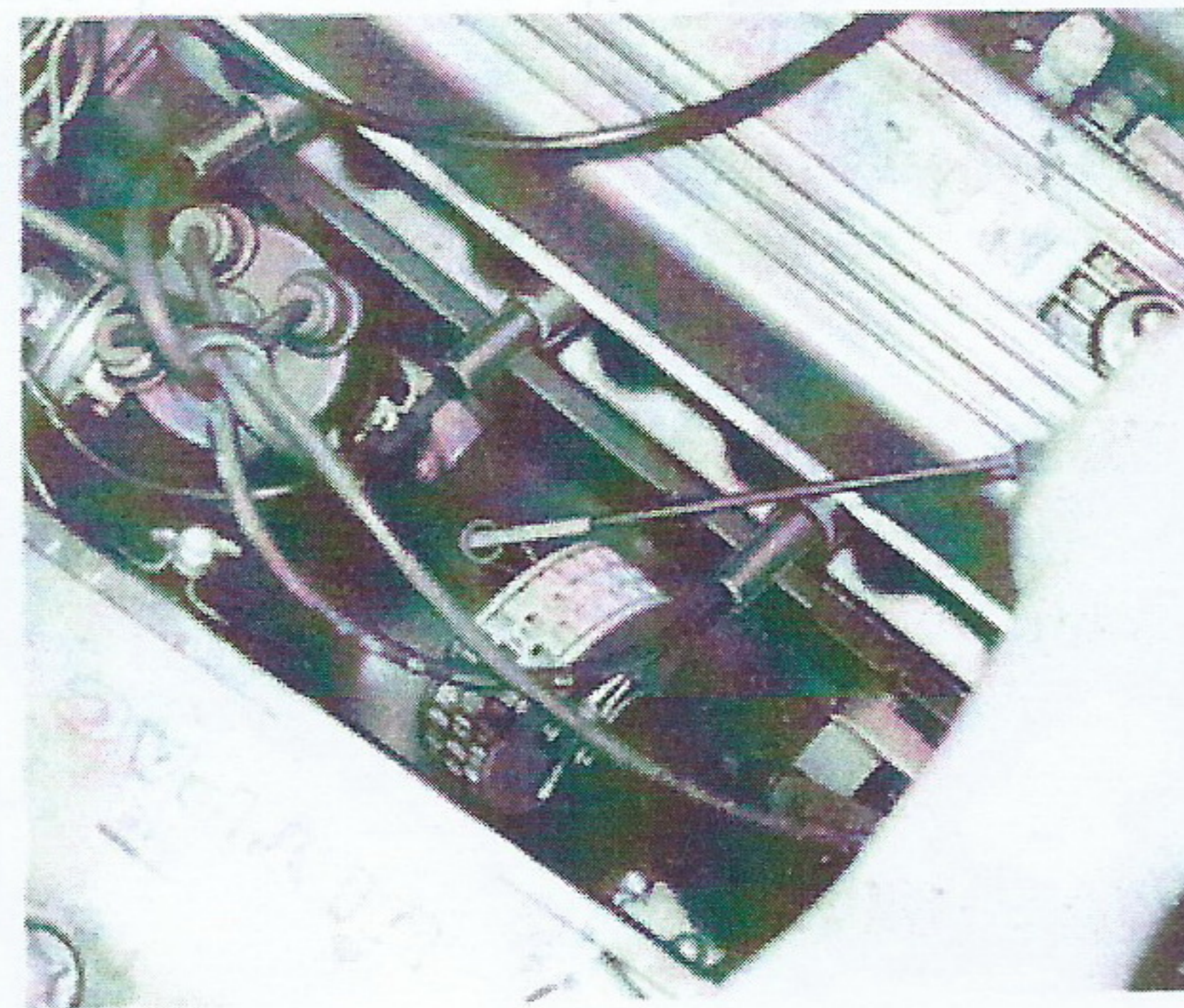
BRAKE AND CLUTCH LEVEL

The brake and clutch fluid should be kept at the normal level marked on the master cylinder reservoir tank. If the brake safety light on the instrument panel goes on, it is necessary to check the brake system.



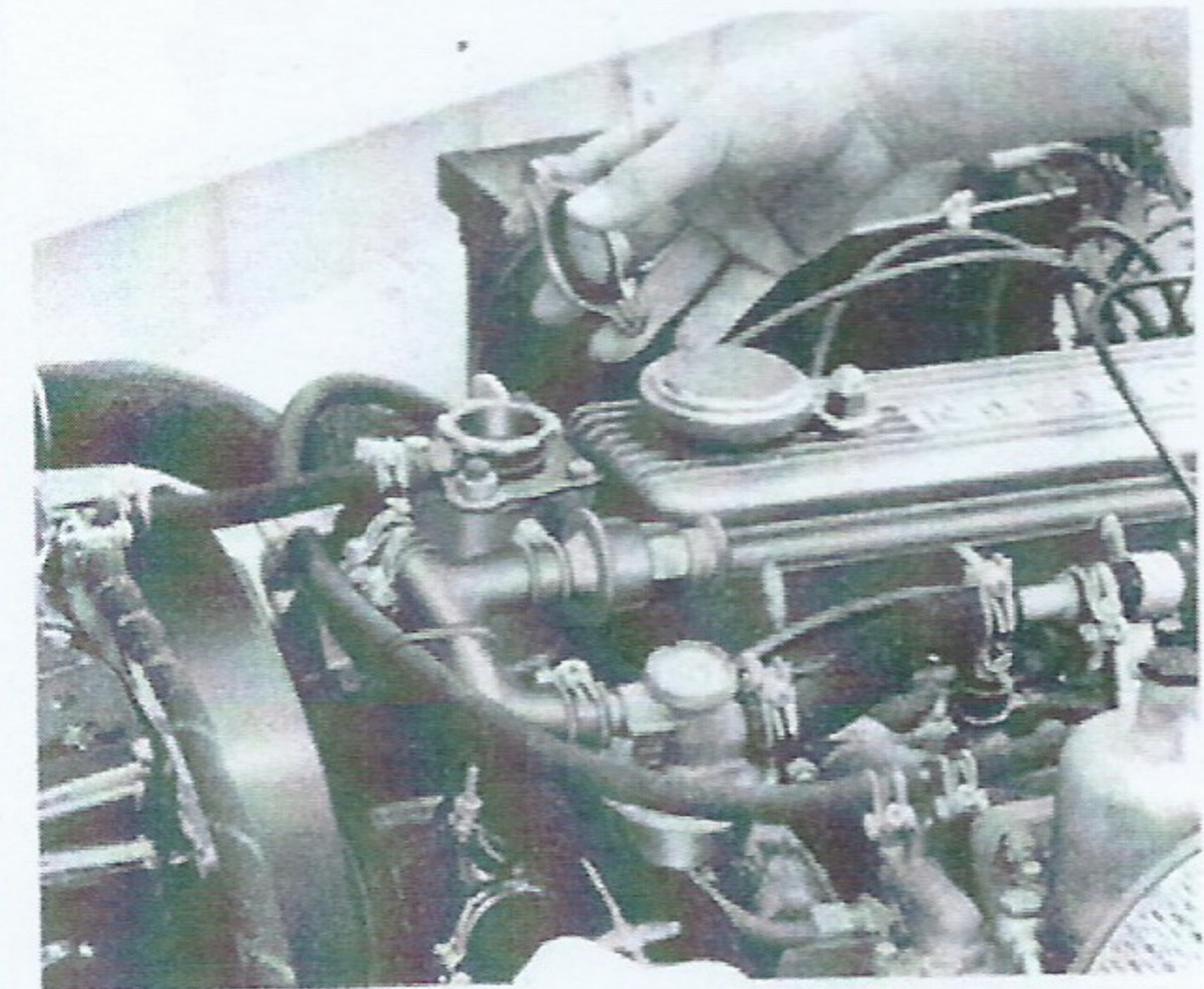
ENGINE OIL LEVEL

The engine oil level should be checked prior to starting the engine with the car standing on the level ground.



COOLING WATER

As NISSAN LONG LIFE COOLANT (L. L. C.) is added to the cooling water, which is available for any season, the changing interval of the coolant is 2 years or 36,000 km (24,000 miles) and checking interval is 3,000 km (2,000 miles).



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CHECKING AND ADJUSTMENT



OIL FILTER

After the first 1,000 km (600 miles) driving, drain and refill with an oil of the proper viscosity for the prevailing temperature.

Refer to the chart of recommended oil. After the first 3,000 km (2,000 miles), the oil filter cartridge should be replaced by a new one. After that, the cartridge should be renewed every 10,000 km (6,000 miles).

AIR CLEANER

The air cleaner element for DATSUN SPORTS 1600 is of the paper filter type. It must be cleaned every 3,000 km (2,000 miles) and replaced every 18,000 km (11,000 miles).

The element for DATSUN SPORTS 2000 is of the viscous type. Since it has been specially treated there is no need to clean it but it should be replaced every 20,000 km (12,000 miles) under normal conditions. In dusty areas, the element should be replaced more often.

FUEL STRAINER

The fuel strainer is of the cartridge type and should be replaced at intervals not to exceed 40,000 km (24,000 miles).

FAN BELT

When it is necessary to check the fan belt tension, loosen the generator adjusting link bolt and adjust the tension by moving the generator.



Enjoy the assurance of Datsun Factory Parts

THROTTLE VALVE CLOSE ADJUSTMENT

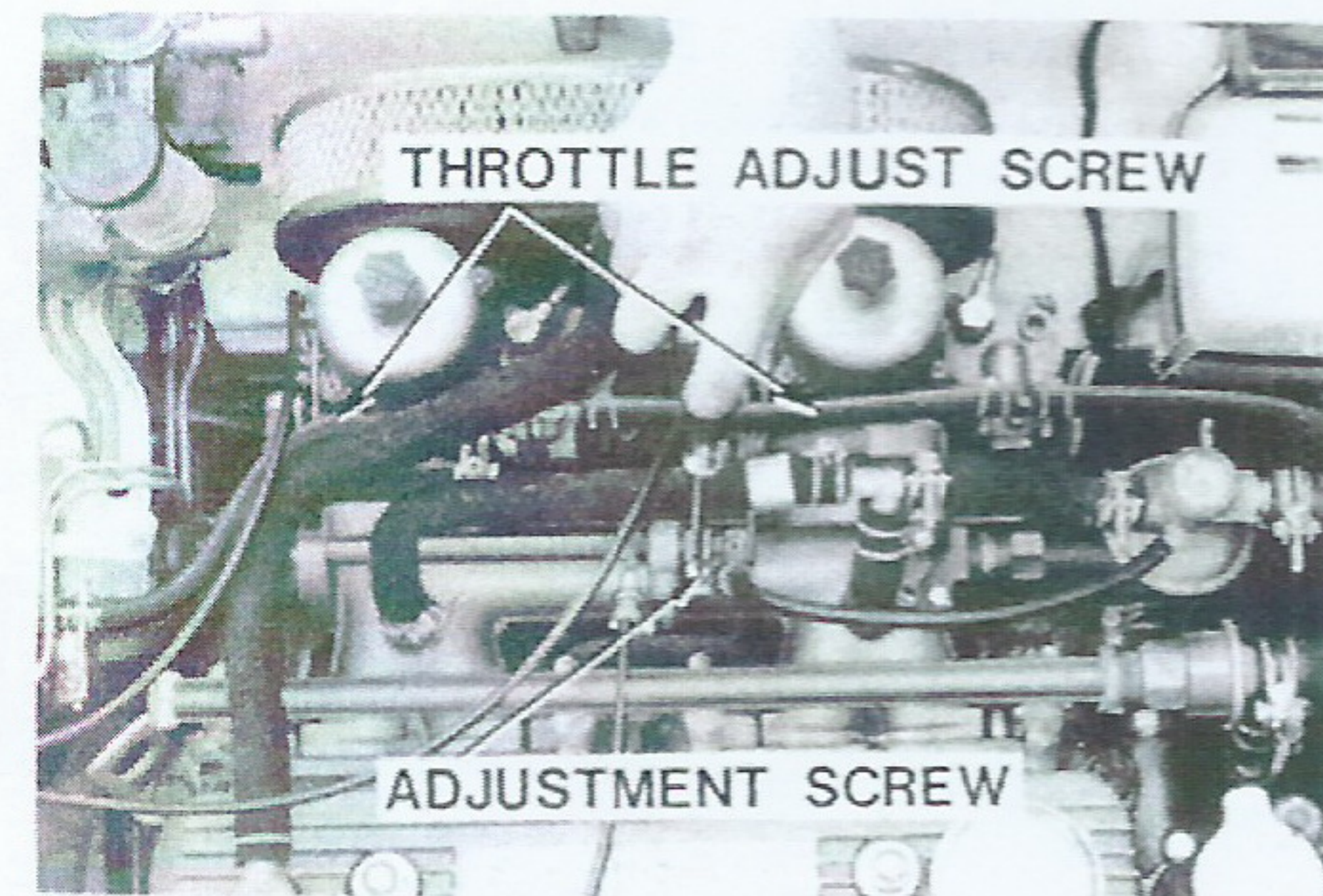
Throttle valve close adjustment must be carefully done since the fuel consumption will increase and engine output will be lost if each throttle valve of both carburetors arranged in parallel are not closed simultaneously.

SU Type

R-engine for SP(L)311

1. Inspect damper oil in the carburetors. Top up if necessary.
2. Remove the air cleaner.
3. Loosen the throttle adjust screws on front and rear side carburetor so that the tip of them does not touch the stoppers.
4. Set the rear side connecting rod length to the standard measurement 7 cm (2.76 in.).
5. Start the engine and warm up thoroughly.
6. Set the engine speed at 800 ~ 1,000 r. p. m. by screwing in the adjustment screw on the auxiliary shaft.
7. Adjust the length of front side connecting rod so that the air inlet volume on front and rear side will be uniform.

8. Lower the engine speed to 700 r. p. m. by turning back the adjustment screw on the auxiliary shaft carefully.
9. Then screw in the throttle adjust screws on front and rear side carburetor so that the tip of them will touch the stoppers.
10. Ensure the air inlet volume are even for both front and rear carburetor by adjusting the throttle adjust screw.



U20-engine for SR(L)311

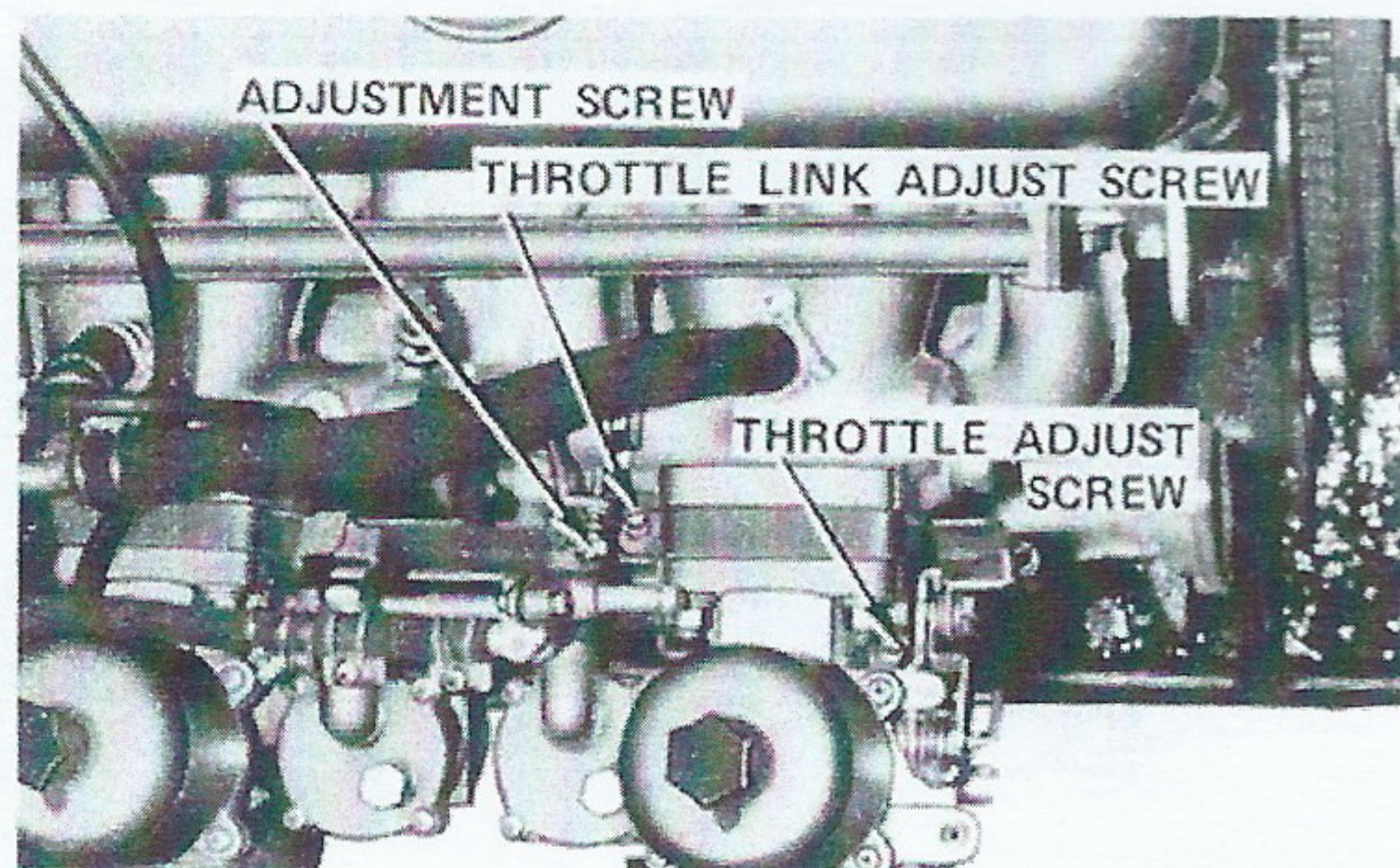
1. Inspect damper oil in carburetors. Top up if necessary.
2. Remove the air cleaner.



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CARBURETOR

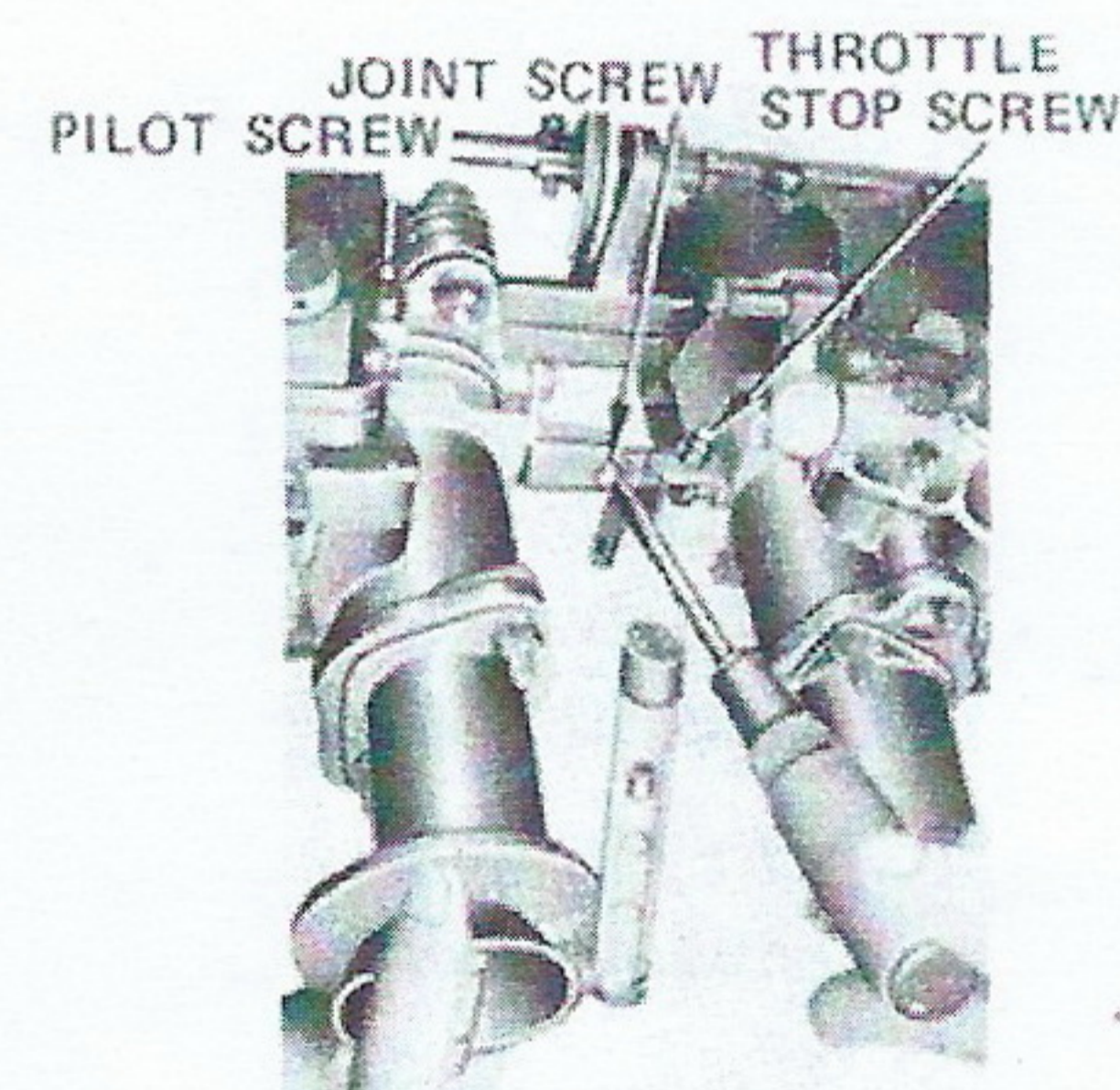
3. Loosen the throttle adjust screws on front and rear side carburetor so that the tip of them does not touch the stoppers.
4. Start the engine and warm up thoroughly.
5. Set the engine speed at 800 ~ 1,000 r. p. m. by screwing in the adjustment screw on the auxiliary shaft.
6. Adjust the throttle link adjust screw so that the air inlet volume on front and rear side will be uniform.



7. Lower the engine speed to 700 r. p. m. by turning back the adjustment screw on the auxiliary shaft carefully.

8. Then screw in the throttle adjust screws on front and rear side carburetor so that the tip of them will touch the stoppers.
9. Ensure the air inlet volume is even for front and rear carburetor by adjusting the throttle adjust screw.

SOLEX Type



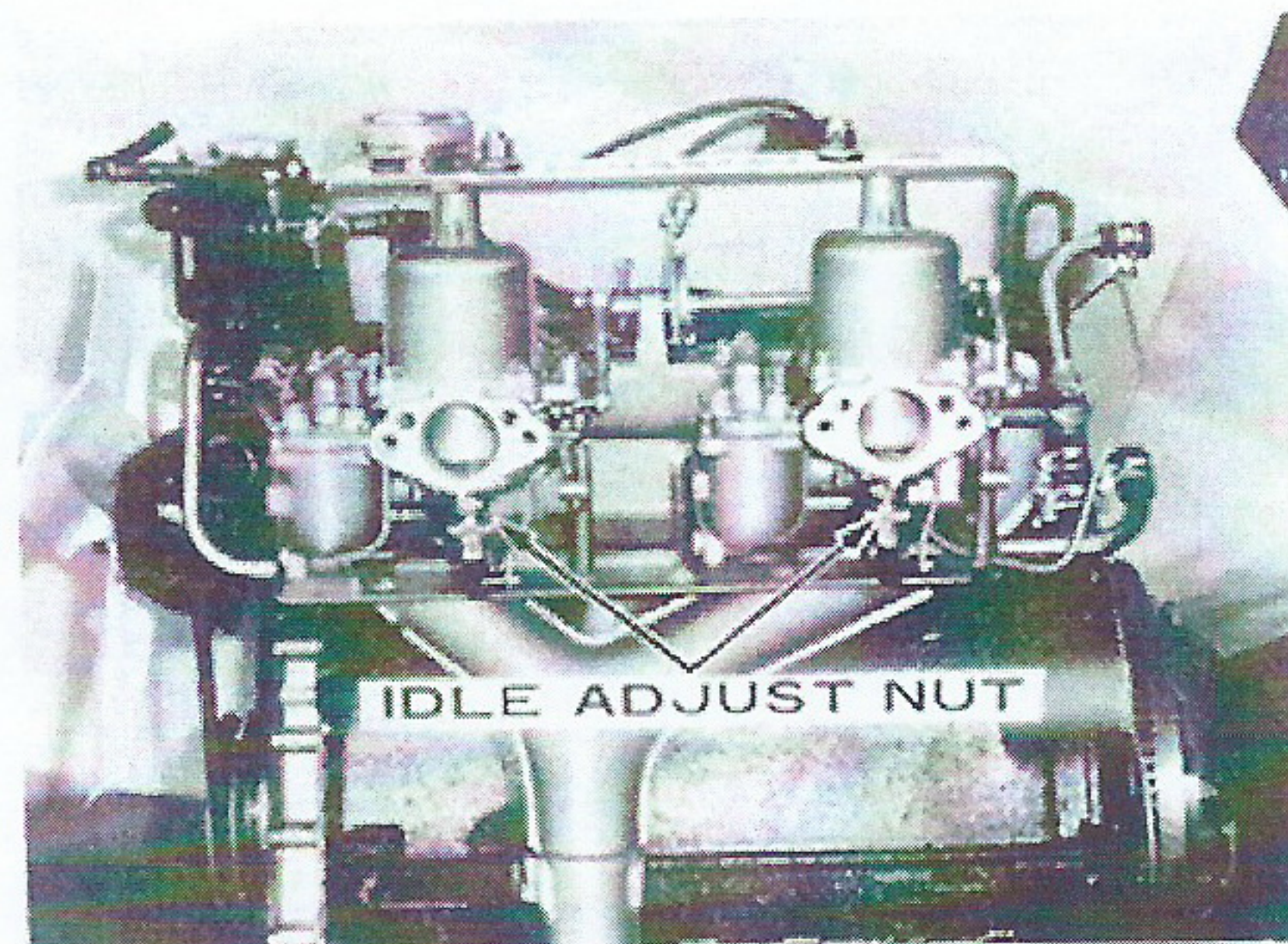
1. Start the engine and warm up thoroughly.
2. Set the engine speed at 800 ~ 1,000 r. p. m. by screwing in the throttle stop screw.
3. Adjust the joint screw so that the air inlet volume on front and rear side will be uniform.

4. Lower the engine speed to 700 r. p. m. by turning back the throttle stop screw.
5. Ensure the air inlet volume is even for both front and rear carburetor by adjusting the throttle stop screw.

IDLE ADJUSTMENT

As for the engine fitted with an emission control system, do not touch the idle adjust nuts except for carburetor overhaul, because they have precisely calibrated at the factory.

SU Type



Idle adjustment is done by throttle adjust screw and idle adjust nut after the engine is warmed up. When idle adjust nut is turned to the right and screwed in, the fuel flow is decreased and when it is turned to the left and loosened, it is increased.

1. Loosen idle adjust nuts on front and rear side carburetor about two turns from the complete fastening.

Then screw in the throttle adjust screw on front side carburetor 2-3 turns and loosen throttle adjust screw so that the top of it will not touch the stopper.

Then start the engine.

2. Lower engine revolution down to about 700 r. p. m. by turning back the front side throttle adjust screw carefully.
3. Screw in idle adjust nuts on both front and rear side each by $1/8$ turn in turn to find the point where engine revolution is the fastest and steadyest, and fix the nuts there. If you can not find this point where engine revolution is the fastest and steadyest by screwing in, return the idle



CARBURETOR

adjust nuts to the original place and begin loosening them on front and rear side in turn by $1/8$ turn until you find finally such a point and fix. (The adjustment of idle adjust nuts ranges within $\pm 1/2$ turnings.)

4. After this, loosen throttle adjust screw on front side to lower engine revolution.

Repeating 3. 4. processes once or twice, adjust the engine revolution until it gains steady 600 - 700 r. p. m.

5. Finally, tighten the throttle adjust screw until the top of it touches the stopper (just before engine revolution begins to increase).

After this adjustment is over, remove the air cleaner to see if the suction piston's lifts on front and rear side carburetors are equally adjusted, and if not, readjust them by the throttle adjust screw.

- a. Move the auxiliary shaft of manifold to race engine a few times.
- b. Ensure the suction piston lifts on front and rear side of carburetors are same.
- c. If not same, fasten carburetor throttle adjust

screw slightly on the less lifted side and loosen it slightly on more lifted side.

Keeping engine revolution as it was at the first time, repeat a. b. c. process once or twice to make the front and rear side lifts equal.

SOLEX Type

1. After ensuring all throttle valves are uniform, return each pilot screws for about one round from the complete close. Then, screw the throttle stop screw in a little degree and let the engine start.
2. Set the engine speed to about the required idling speed by the throttle stop screw.
3. Set it to the highest engine speed by adjusting each pilot screw for about $1/4$ round separately.
4. After obtaining a little higher engine speed, set it to the required idling speed again by adjusting the throttle stop screw.
5. Repeat this operation 2 ~ 3 times, and the required idling can be obtained.



NISSAN MOTOR CO., LTD.