

# Front and Rear Hoods

## Removing and Installing Front Hood

1 B0

### Removal

1. Open front hood and engage the catch mechanism so that the hood remains open.
2. Carefully mark the position of the hood on both hinges with a line along the edge of the entire flange and one across the flange to the hinge.
3. With one person holding each side of the hood remove the bolts which hold the hood.

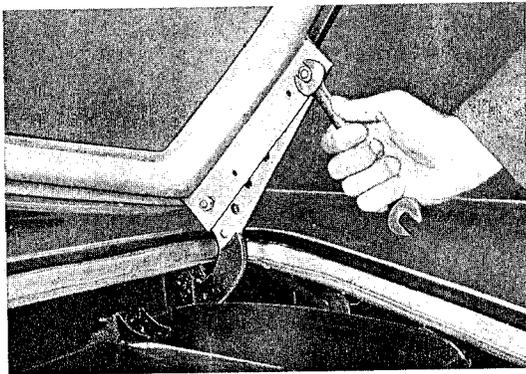


Fig. 1

### Installation

The installation is accomplished in the reverse order of removal observing the following points:

1. Inspect the rubber weather strip around the opening. The strip is glued to the body and held in place with screws. The two upper corners have mouldings to hold the rubber. Install a new weather strip if necessary.



Fig. 2

4. Remove the hood being careful not to bend the hinge brackets and catch shaft.

2. Install the hood lightly tightening the four screws so that the lid may be adjusted to the previously inscribed marks. Tighten all screws and carefully close the hood to test the fit. Adjust where necessary.

## Removing and Installing Hinges for Front Hood

The hinges are held by two M8 screws in a half round channel located behind the instrument panel.

One screw is located under the hood and is removed as in Fig. 3. The second screw is found under the instrument panel as in Fig. 4.

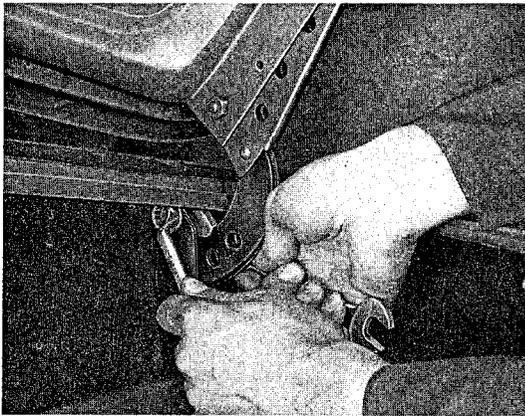


Fig. 3

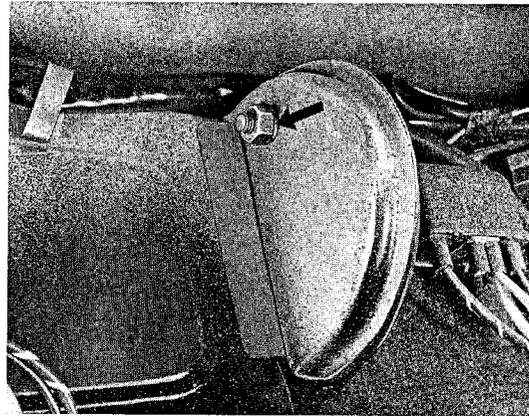


Fig. 4

### Function of the Hood Latch

(For front and rear hood)

As described in 2 B0, the hinges and the latch mechanism are mounted in half round recesses under the instrument panel. The latch consists of a rotating three cornered ratchet (Fig. 5 part 5) which is brought into a blocking position when the hood is fully raised. When the hood is once more raised fully the ratchet is advanced slightly and is disengaged. The hood can then be closed.

#### Sequence of operation

When opening the hood, the ratchet (1) engages the inside of the forward catch (2) which holds the ratchet (Fig. 6) in a position where it will lock the hinge when it is lowered (Fig. 7).

When closing the hood, the catch is disengaged by the rear catch when the hood is fully raised (Fig. 8). The hood can then be lowered.

- ① Ratchet arm
- ② Front catch of ratchet arm
- ③ Rear catch of ratchet arm

- ④ Hinge arm
- ⑤ Ratchet

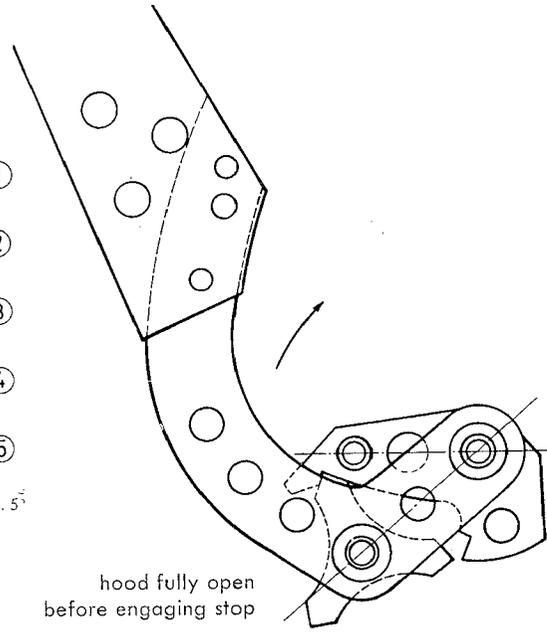
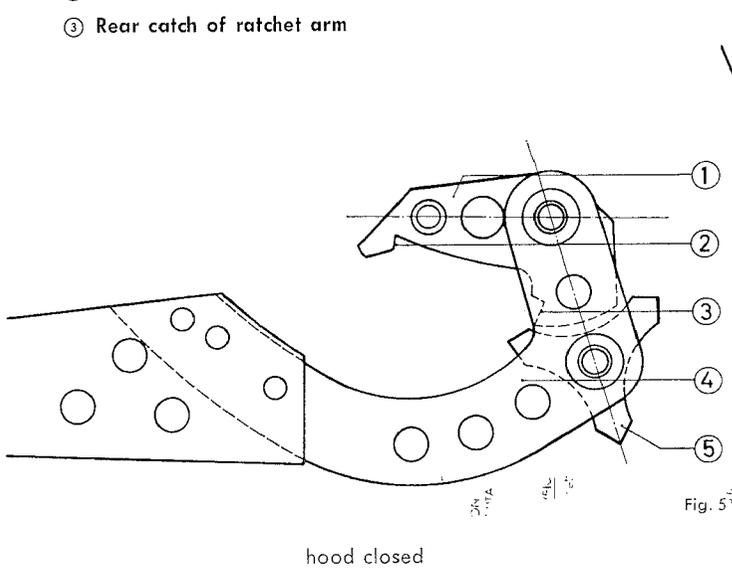


Fig. 6

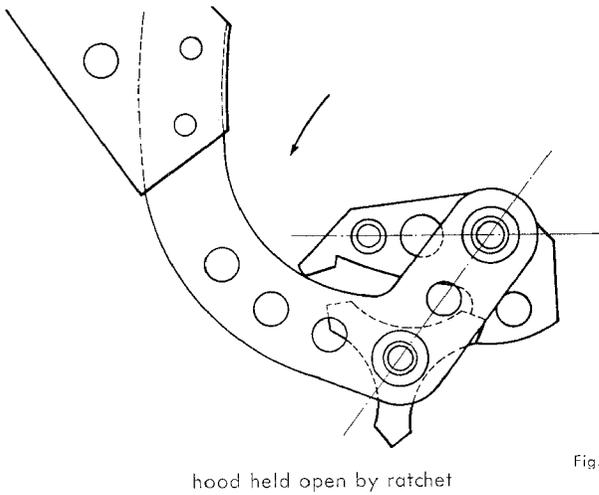


Fig. 7

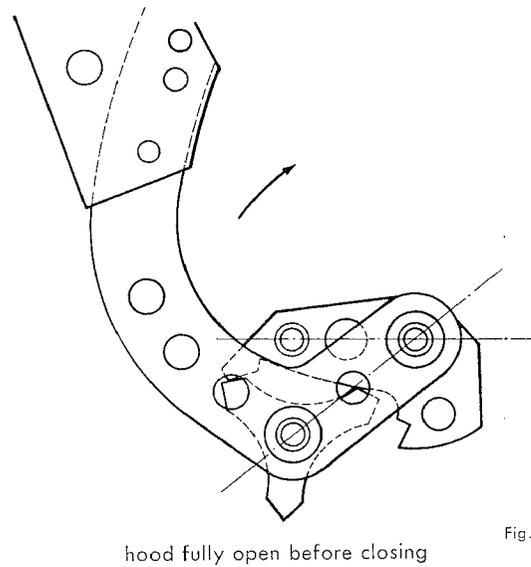


Fig. 8

### Removing and Installing Front Hood Lock

#### Removal

1. Open hood and secure in raised position.
2. Remove the two cap screws which hold the hood latch and remove the latch and release spring assembly. The nuts are welded to the inside of the hood frame.

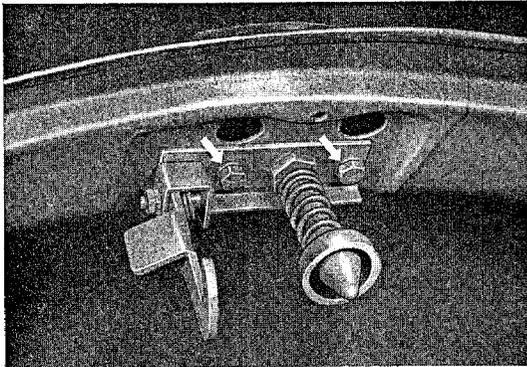


Fig. 9

3. Remove the two cap screws which hold the lock in place (note the position of the lock).

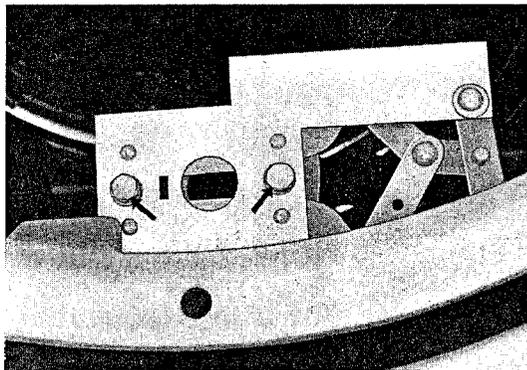


Fig. 10

4. Disconnect the return spring and remove the lock assembly.
5. Loosen the clamping screw and remove the release cable from the lock assembly.

#### Installation

The installation is accomplished in the reverse order of removal observing the following points:

1. Grease the lock assembly.
2. Connect the release cable and return spring and position the lock.
3. Install the lock assembly loosely with the two cap screws and tighten release cable clamp.

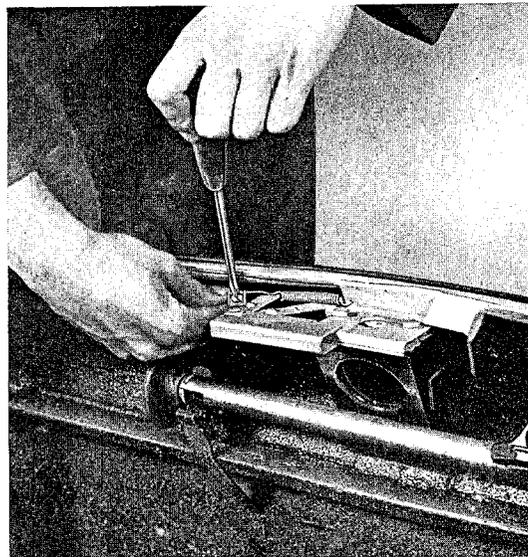


Fig. 11

4. Install latch assembly in the hood and tighten screws.
5. Apply a coat of grease to the surface of the lock plate and carefully close the hood. By observing the contact of the hood release striker, adjust the lock assembly.
6. Tighten the lock assembly screws.
7. Adjust the depth of the hood lock pin in the hood so that the hood closes to match the contours of the car.
8. Grease the springs and moving parts of the hood latch mechanism.

## Emergency Access to Front Hood

### General

The emergency access to the hood lock is located under the left front fender above the horn as shown in Fig. 12.

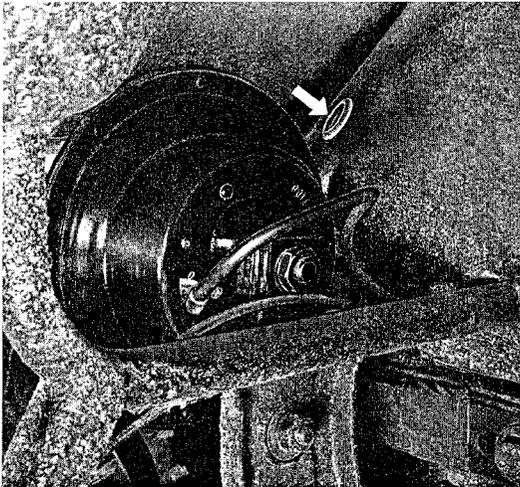


Fig. 12

In the event that the hood release cable becomes inoperative the hood may be opened in the following manner:

1. Turn front wheels fully to the right.
2. Remove the horn if necessary.
3. Remove rubber cap (at arrow Fig. 12).
4. Using a 3 mm dia. (wire clothes hanger) wire with its end bent in a small hook, reach into the hood lock and pull the release lever arm.

### Note

It is important that the jack is always placed correctly in the holders. The lifting head must be to the right (driving direction). In the opposite position it will block the emergency access.

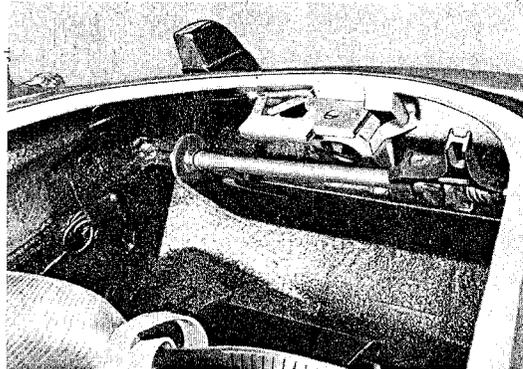


Fig. 13

## Removing and Installing Rear Hood

4 BO

### Removal

1. Pull hood release next to the left rear seat and raise hood into latched position. Mark position of hood on hinge.
2. Loosen two bolts on each hinge (Fig. 14).
3. While holding the hood remove the two screws farthest from the hinge first; then remove remaining screws removing the hood.
4. If necessary remove hinges by removing the mounting screws (5 BO).

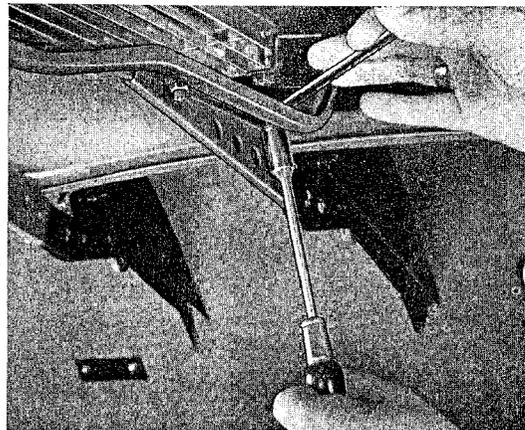


Fig. 14

B7

### Installation

The installation is accomplished in the reverse order of removal observing the following points:

1. Inspect the rubber buffer pads at the four corners of the hood. Install new buffers where necessary.
2. Lightly fasten the four mounting screws and align the hood on the hinges.
3. Carefully close the hood to check its position with respect to the body. Adjust where necessary.

## 5 B0

### Removing and Installing Hinges for Rear Hood

The hinges of the rear hood are held in place by two M8 screws which can be reached from the engine compartment. The hinge latching device must operate freely so that the ratchet can turn easily.

For function of the latch mechanism see pages B 4 and B 5.

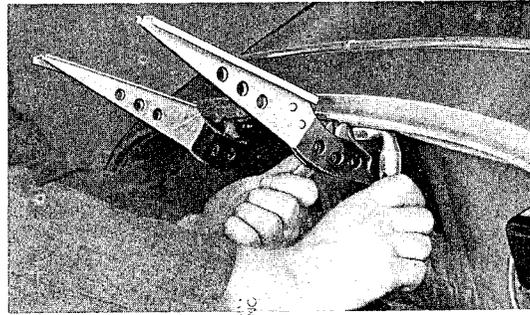


Fig. 15

## 6 B0

### Removing and Installing Rear Hood Lock

#### Removal

1. Open rear hood and latch in raised position.
2. Remove two M6 mounting screws in the hood and remove latch from hood.
3. Remove four M6 mounting screws from the lock assembly and remove the lock.
4. Disconnect release cable.

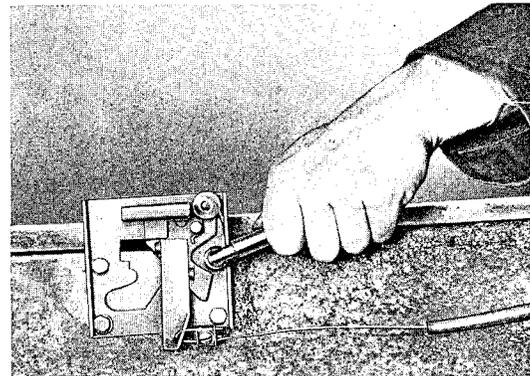


Fig. 16

### Installation

The installation is accomplished in the reverse order of removal observing the following points:

1. Grease lock assembly.
2. Install upper lock portion in the hood.
3. Install lock assembly in the body lightly tightening the four screws.
4. Check the position of the lock by closing the hood.
5. Tighten the four mounting screws.
6. Grease release cable (if cable is removed) and connect to lock assembly. Fasten cable clamp.

### Emergency Access to Rear Hood

#### General

The emergency access to the rear lock is located in the engine compartment floor and can be reached from beneath the car.

2. Using a rigid steel rod, release the catch as shown in Fig. 18. (Fig. 18 shows the operation as seen from the engine compartment, engine removed.)

1. Remove the rubber plug from below (Fig. 17).

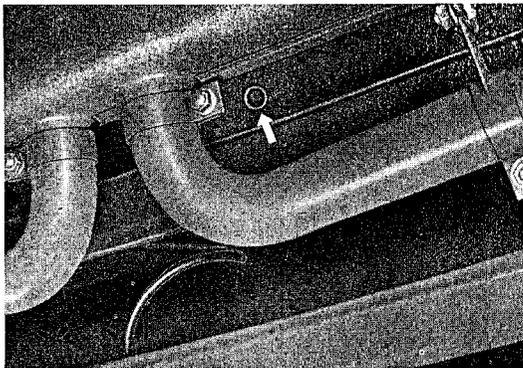


Fig. 17

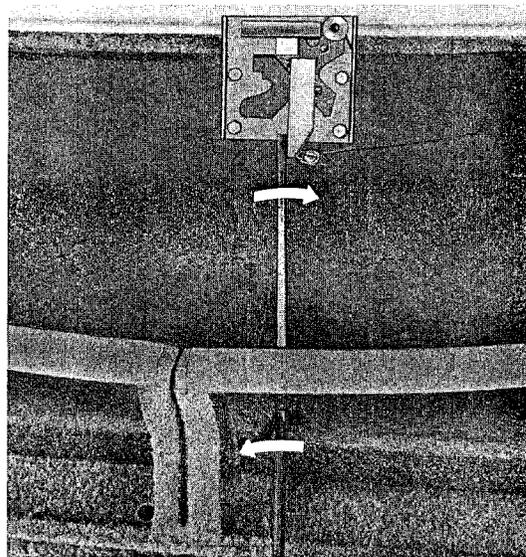


Fig. 18