

410 Fenders, Engine Hood

GENERAL	410-1	ENGINE HOOD	410-3
FRONT FENDERS	410-1	Hood, raising to service position	410-3
Front fender, removing and installing	410-1	Hood, removing and installing	410-3
		Hood, aligning	410-4
		Hood release cable and latches, adjusting ...	410-4

GENERAL

This repair group covers replacement of the front fenders and removal and installation of the engine hood.

NOTE —

The body is painted at the factory after assembly. Re-alignment of body panels may expose unpainted metal. Paint all exposed metal once the work is complete.

FRONT FENDERS

Front fender, removing and installing

1. Raise hood. Raise and safely support front of vehicle.

WARNING —

- When raising the car using a floor jack or a hydraulic lift, carefully position the jack pad to prevent damaging the car body. A suitable liner (wood, rubber, etc.) should be placed between the jack and the car to prevent body damage.
- Watch the jack closely. Make sure it stays stable and does not shift or tilt. As the car is raised, the car may roll slightly and the jack may shift.

2. Remove front wheel. Remove inner plastic liner from wheel well.
3. Remove front bumper. See **510 Exterior Trim, Bumpers**.
4. Working at front corner of fender, remove front grille panel bolts (2 bolts at left and right). See Fig. 1.

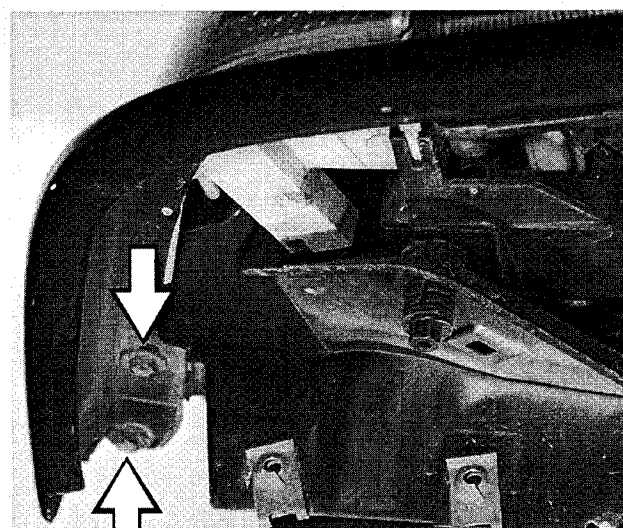


Fig. 1. Front grille panel to front fender retaining bolts (arrows). Front bumper shown removed.

5. Remove front turn signal/lens assembly from applicable front corner. Carefully pry out side directional from fender (later cars only). See **630 Exterior Lighting**.
6. Remove fender attaching bolts at front underside of fender. See Fig. 2.
7. Remove bolts along top edge of fender. See Fig. 3.
8. Open front door and remove fender mounting bolts in door jamb. See Fig. 4.
9. Carefully remove fender from body.

FRONT FENDERS

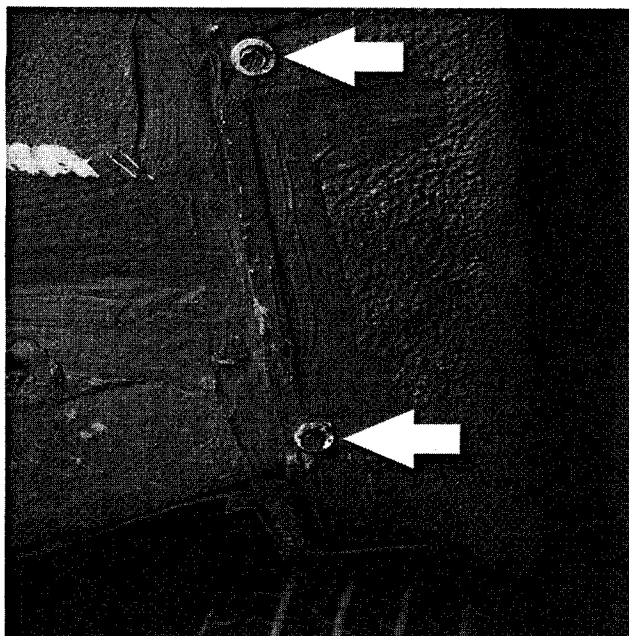


Fig. 2. Fender attaching bolts, lower front (arrows).

0013104

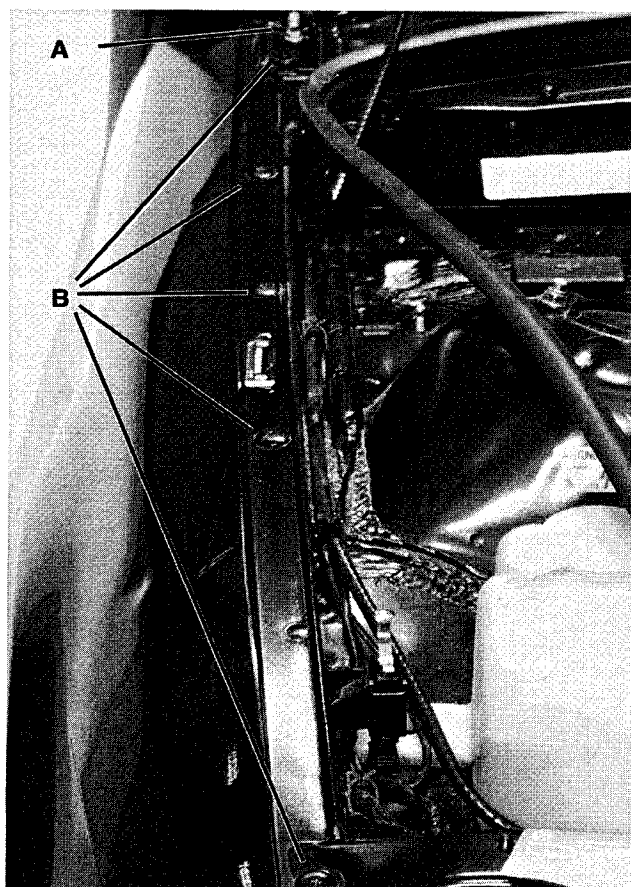


Fig. 3. Loosen bolt **A** at top of fender. Remove bolts **B**.

0013105

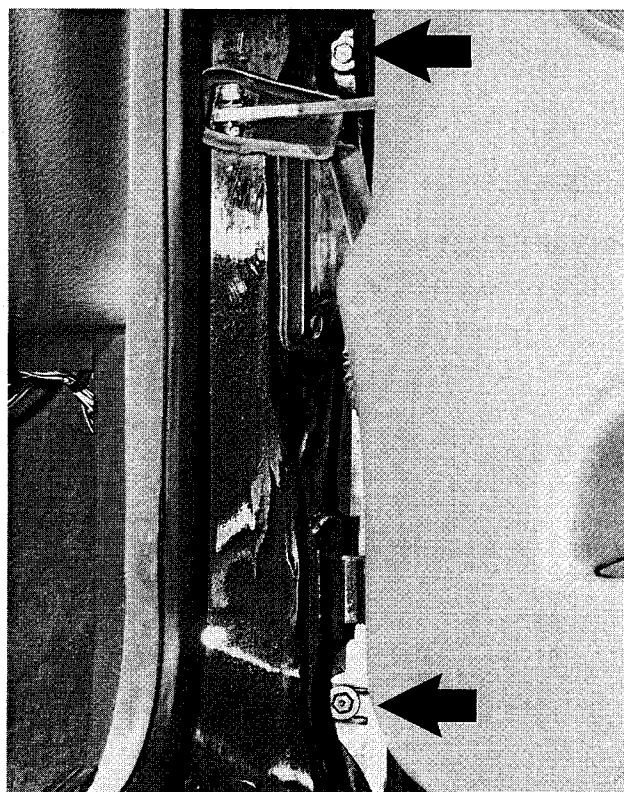


Fig. 4. Front fender attaching bolts as viewed through door jamb (arrows).

0013106

10. Installation is reverse of removal, noting the following:

- Before installing new fender, clean old sealant and protective coating from mounting surfaces.
- Position new fender and loosely install all mounting bolts. Align fender with door pillar and front panel, then tighten bolts.
- Repair any paint damage and paint any exposed metal.
- Reseal and apply protective coating to mounting surfaces.

Clearance Specification

- Fender to front hood or to door . . . 5.5 mm (0.216 in)

FRONT FENDERS

ENGINE HOOD

Hood, raising to service position

CAUTION —

Do not switch on the windshield wipers with the engine hood raised. As a precaution, remove the wiper motor fuse. See 610 Electrical Component Locations.

1. 4-door models: Open hood fully. Remove bolt from hood hinge behind hood supports (left and right). Raise hood to service position. See Fig. 5.

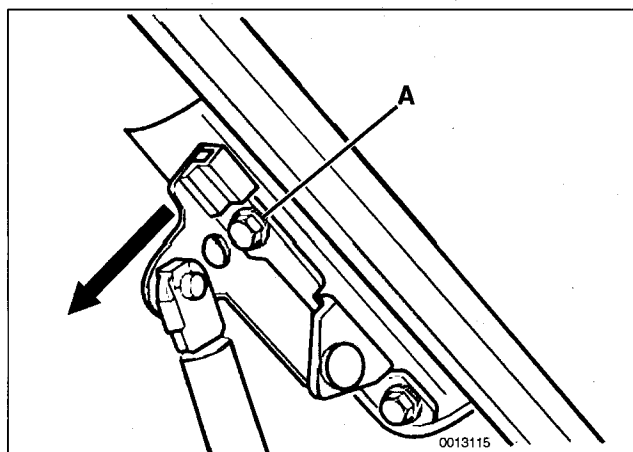
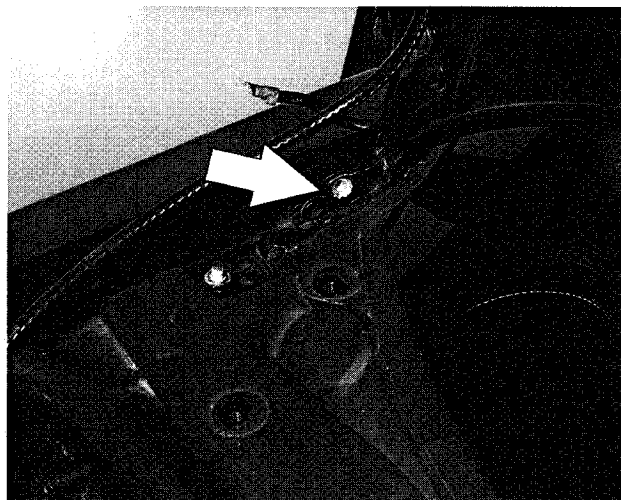


Fig. 5. Hood support bracket bolt to be removed (A) on 4-door cars. Remove bolts at left and right hinges. Swing bracket in direction of **arrow** to raise hood into service position.

2. 2-door models: Open hood fully.
 - Remove ground cable at right hood hinge.
 - While an assistant supports hood, detach both hood supports from hood.
 - Remove detent screws at back of hood hinges. See Fig. 6.
 - Lift hood while pulling hinge forward. Support hood at higher position.
3. When service work is complete, return hood to lower position and install screws or bolts.

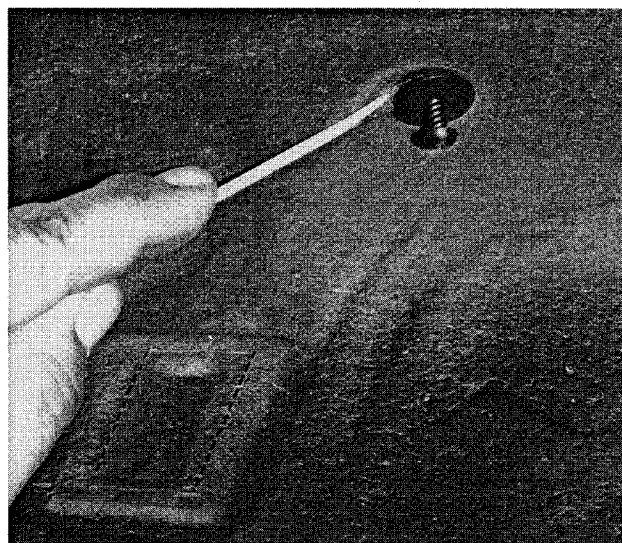


0013147

Fig. 6. Torx screw at base of hood hinge (**arrow**).

Hood, removing and installing

1. Raise hood. Where applicable, partially remove hood acoustic insulation to access rear of hood. See Fig. 7.



0013148

Fig. 7. Hood insulation retainer being pried out

2. Disconnect washer fluid hoses from washer nozzles. Where applicable, disconnect electrical harness connectors from heated nozzles.
3. Detach gas-charged hood supports from hood.

CAUTION —

The hood is heavy. Before removing the hood supports or hood retaining bolts, be sure to have an assistant help support the hood.

410-4 FENDERS, ENGINE HOOD

4. With aid of assistant, remove hood hinge bolts from left and right sides of hood. Lift hood off carefully. See Fig. 8.

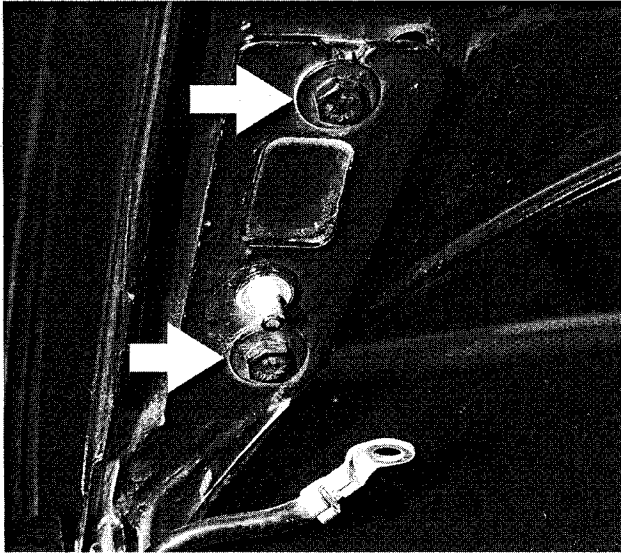


Fig. 8. Hood hinge bolts (arrows). Right side shown.

5. Installation is reverse of removal.

- Repair any paint damage and paint any exposed metal.
- Check hood alignment as described next.

NOTE —

The hood was fitted and attached to an unfinished body at the factory. Unfinished surfaces exposed by this procedure must be touched up with paint.

Hood, aligning

When installing the hood, align the hinges as close to the original painted surface as possible. Movement of the hood on its attaching hardware may require touch-up paint.

The hood should be aligned so that gaps on all sides are as even as possible. See Fig. 9.

Clearance Specification

- Hood edges to adjoining body panel (gap) 5.5 mm (0.216 in)

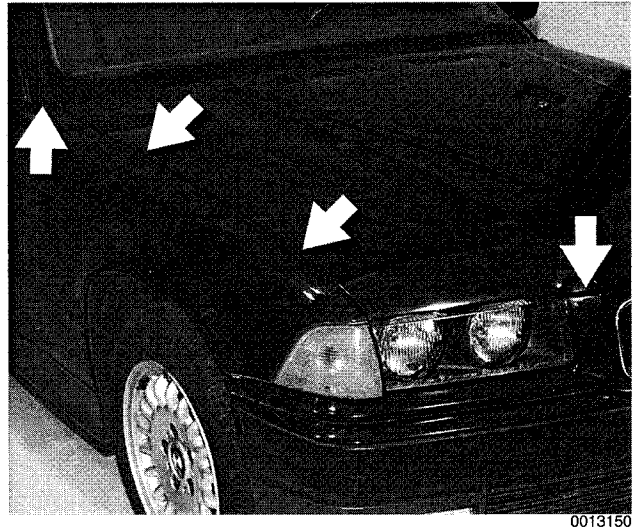


Fig. 9. Hood panel gaps should be even (approx. 5.5 mm) at all points (arrows).

Hood release cable and latches, adjusting

Before adjusting hood latches, be sure the hood is aligned evenly to fenders and front panel. The hood latch and cable assembly is shown in Fig. 10.

1. To adjust hood cables:

- Remove left and right radiator grilles. See **510 Exterior Trim, Bumpers**.
- Remove electric auxiliary cooling fan. See **170 Radiator and Cooling System**.
- Adjust cable section between two hood latches so there is no play (cables must not be under tension either).

2. Loosen hood latches at hood on left and right sides. Loosen bolts only enough to allow movement of latch. See Fig. 11.

3. Lower (but do not fully latch) hood several times so latches on hood center themselves in lower locks.

CAUTION —

Do not let hood lock with latch bolts loose.

4. Tighten hood latch bolts when alignment is correct.
5. Remove one screw from each side, clean and coat with Loctite®270 or equivalent, and reinstall.

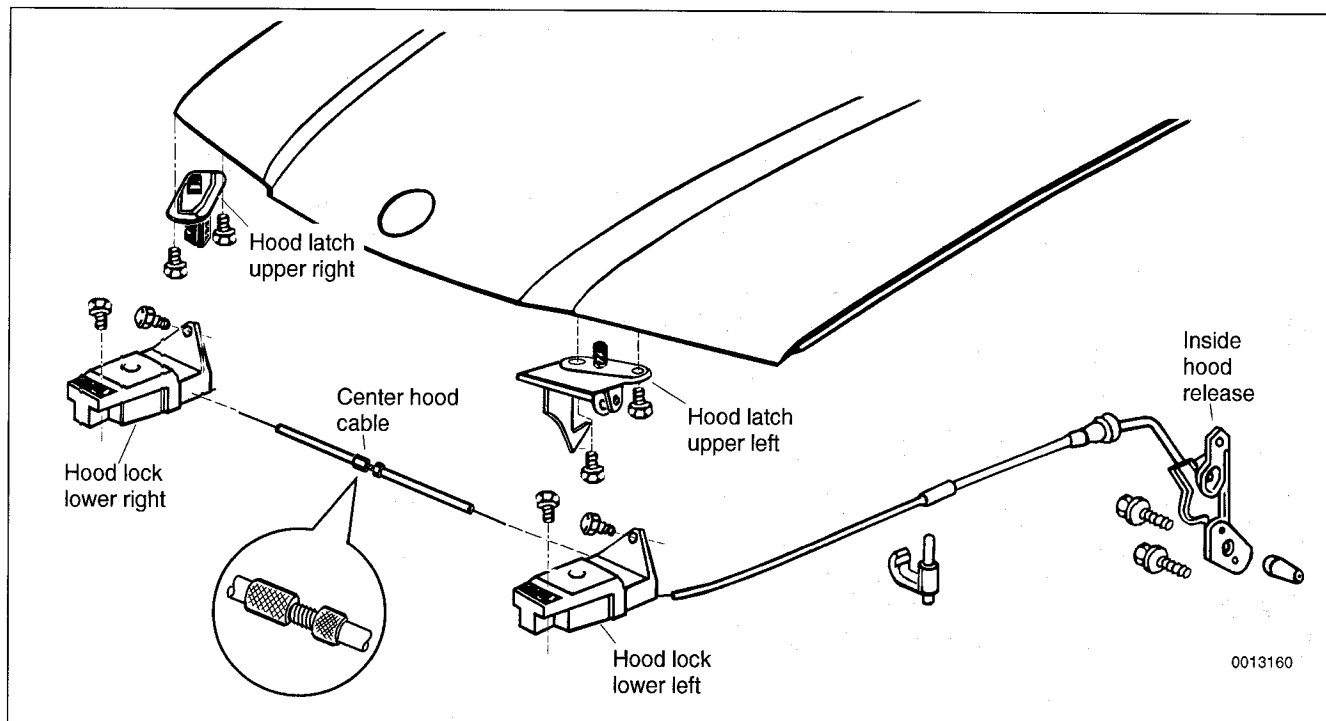


Fig. 10. Hood locking components. Cable adjusting section shown at inset.

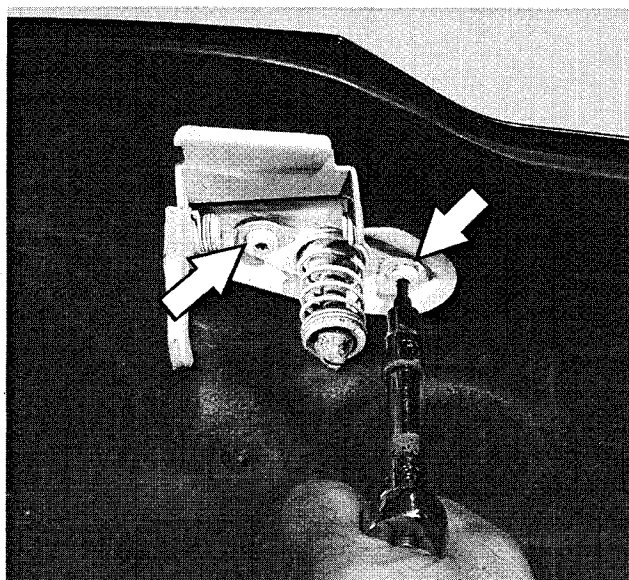


Fig. 11. Hood latch mounting bolts (arrows). Left latch shown.

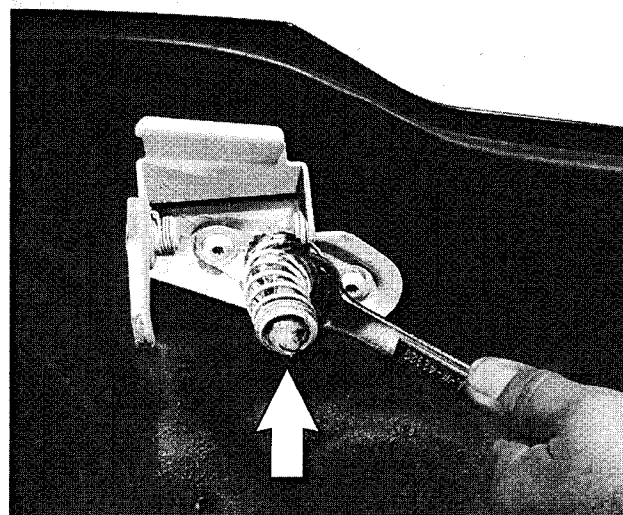


Fig. 12. To lengthen spring pin, loosen locknut with wrench inserted through spring, then turn pin (arrow) counterclockwise.

6. Test hood for correct closure and opening. If hood does not spring open, lengthen spring pins at latches. See Fig. 12.



