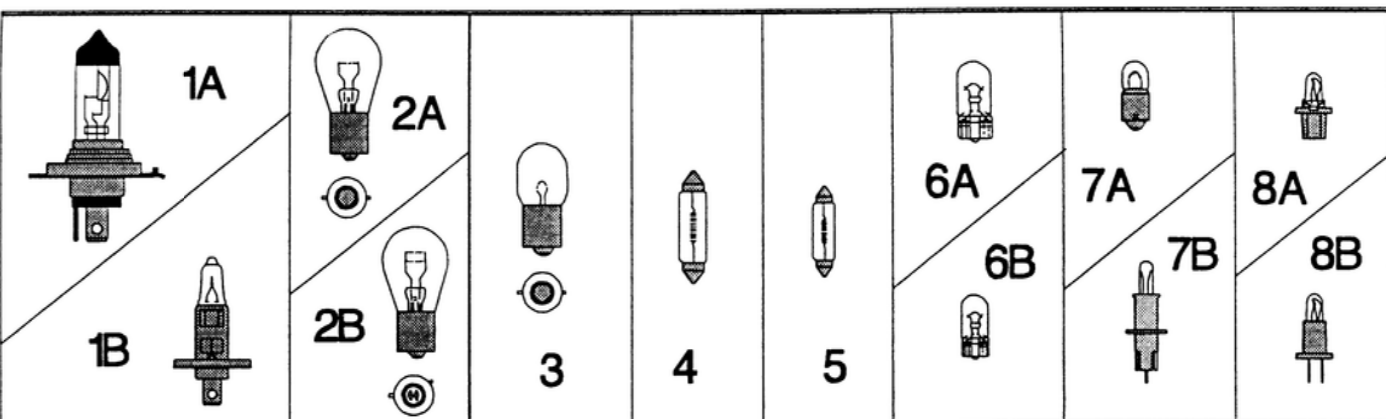


LIGHT BULB APPLICATIONS



Bulb to fit	Rating	Fitting	Fig. no.
Ashtray, front	1.2W	Special	8B
Ashtray, rear	1.2W	Special	8B
Automatic shift indicator	1.2W	Special	7B
Rear light	21W	BA 15s	2A
Trunk light 4-D	10W	SV 8,5	4
Rear light 4-door	5W	BA 15s	3
Rear light 5-door	21/4W	BAZ 15d	2B
Rear courtesy light 5-D	10W	SV8,5	4
Flashers, front	21W	BA 15s	2A
Flashers, rear	21W	BA 15s	2A
Flashers, side	5W	W 2,1x9,5d	6A
Brake light	21W	BA 15s	2A
Brake light, high-level	21W	BA 15s	2A
Brake light, spoiler-mounted	5W	W2,1x9,5d	6A
Cigarette lighter	1.2W	Special	7B
Dim rear light	21W	BA 15s	2A
Door warning light	3W	W 2,1x9,5d	6A
Glove compartment light	2W	BA 9s	7A
Courtesy light	5W	W 2,1x9,5d	6A
Dashboard light	3W	W 2,1x9,5d	6A
Dashboard: Warning and indicator lights	1.2W	W 2x4,6d	8A 6B
Rear reading light	5W	BA 9s	7A
Vanity mirror light	1.2W	SV 5,5	5
License plate light	5W	W 2.1x9,5d	6A
Parking lights, front	5W	BA 15s	3
Control panel light, ECC	1.2W	Special	8A
Control panel light, AC unit	1.2W	Special *	
Headlights with H4 bulb	60/55W	P 43t-38 / H4	1A
Headlights with 2 x 1 H1 bulbs	55W	P 14s / H1	1B
Headlights (US/Can), single bulb	HB2	9003	
Headlights (US/Can), dual bulb			
High beam	HB3	9005	
Low beam	HB4	9006	
Ceiling light, front	5W	BA 9s	7A
Ceiling light, seatbelt warning light	1.2W	W 2x4,6d	6B

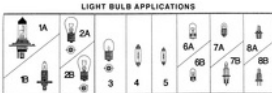
* Replace PCB if bulb blows.

1992 Volvo 940

Submodel: | **Engine Type:** L4 | **Liters:** 2.3

Fuel Delivery: FI | Fuel: GAS

1. Park the vehicle on level ground, so it is perpendicular to and, facing a flat wall about 25 ft. (7.6m) away.
2. Remove any stone shields, if equipped, and switch ON the lights.
3. Loosen the mounting hardware of the lights so you can aim them as follows:
 - A. The horizontal distance between the light beams on the wall should be the same as between the lights themselves.
 - B. The vertical height of the light beams above the ground should be 4 in. (10cm) less than the distance between the ground and the center of the lamp lenses for fog lights. For driving lights, the vertical height should be even with the distance between the ground and the center of the lamp.
4. Tighten the mounting hardware.
5. Test to make sure the lights work correctly, and the light pattern is even.

[illegible]

1992 Volvo 940

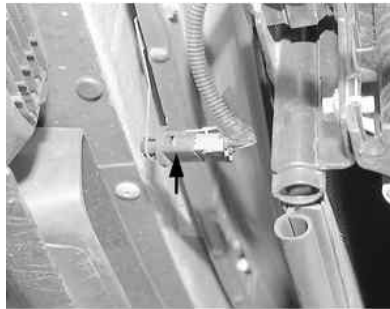
Submodel: | Engine Type: L4 | Liters: 2.3

Fuel Delivery: FI | Fuel: GAS

NOTE: Before installing any aftermarket light, make sure it is legal for road use. Most acceptable lights will have a DOT approval number. Also check your local and regional inspection regulations. In certain areas, aftermarket lights must be installed in a particular manner or they may not be legal for inspection.

1. Disconnect the negative battery cable.
2. Unpack the contents of the light kit purchased. Place the contents in an open space where you can easily retrieve a piece if needed.
3. Choose a location for the lights. If you are installing fog lights, below the bumper and apart from each other is desirable. Most fog lights are mounted below or very close to the headlights. If you are installing driving lights, above the bumper and close together is desirable. Most driving lights are mounted between the headlights.
4. Drill the needed hole(s) to mount the light. Install the light, and secure using the supplied retainer nut and washer. Tighten the light mounting hardware, but not the light adjustment nut or bolt.
5. Install the relay that came with the light kit in the engine compartment, in a rigid area, such as a fender. Always install the relay with the terminals facing down. This will prevent water from entering the relay assembly.
6. Using the wire supplied, locate the ground terminal on the relay, and connect a length of wire from this terminal to a good ground source. You can drill a hole and screw this wire to an inside piece of metal; just scrape the paint away from the hole to ensure a good connection.
7. Locate the light terminal on the relay; and attach a length of wire between this terminal and the fog/driving lamps.
8. Locate the ignition terminal on the relay, and connect a length of wire between this terminal and the light switch.
9. Find a suitable mounting location for the light switch and install. Some examples of mounting areas are a location close to the main light switch, auxiliary light position in the dash panel, if equipped, or in the center of the dash panel.
10. Depending on local and regional regulations, the other end of the switch can be connected to a constant power source such as the battery, an ignition opening in the fuse panel, or a parking or headlight wire.
11. Locate the power terminal on the relay, and connect a wire with an in-line fuse of at least 10 amperes between the terminal and the battery.
12. With all the wires connected and tied up neatly, connect the negative battery cable.
13. Turn the lights ON and adjust the light pattern, if necessary.

Fig. 1: This connector is left on some models exclusively to ease the installation of driving lights



1992 Volvo 940

Submodel: | Engine Type: L4 | Liters: 2.3

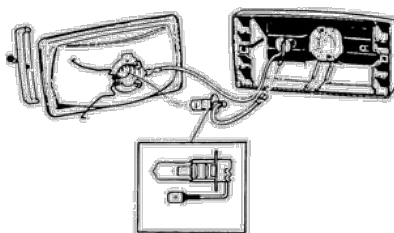
Fuel Delivery: FI | Fuel: GAS

1. Remove the fog lamp lens using a small prytool.
2. Remove the light bulb from the fog light housing by twisting it counterclockwise until it is disengaged, then pull it out of the housing.

To install:

3. Insert the new bulb into the light housing and twist it clockwise to lock it in place.
4. Install the lens onto the fog lamp assembly by snapping it into place.
5. Test the lights for proper operation. If the bulb does not function properly, determine the source of the problem (defective bulb, dirty socket, faulty wiring, blown fuse, etc.) and correct the situation.

Fig. 1: Fog lamp bulb replacement



1992 Volvo 940

Submodel: | Engine Type: L4 | Liters: 2.3

Fuel Delivery: FI | Fuel: GAS

The gauges can be replaced individually on some models, but others require replacement of the entire gauge cluster assembly. The instrument cluster contains many components; inside the cluster are modules, printed circuit boards, fuses, and some also contain small microprocessor computers for the clock and driver information center. Diagnosis of this system is complex, and the cost of parts is high; since most parts are special order only, trial and error replacement is just not practical. It is advised to diagnose the failed component before replacement.

On models where the gauges can be replaced, simply remove the instrument cluster as outlined in this section, and remove the cluster cover. Remove the retaining devices (some use bolts, some are held in by tabs, etc.) and remove the gauge from the cluster. To install, reverse this procedure.

On models where the cluster must be replaced, remove the instrument cluster as outlined previously in this section. Remove the printed circuit board and any components necessary to remove the board, then remove the cluster cover. Unfasten the instrument cluster retainers and remove the gauge cluster assembly.

When replacing a speedometer or odometer assembly, or the instrument cluster, federal law requires the odometer reading of the replacement unit to be set to register the same mileage as the prior odometer. If the mileage cannot be set, the law requires that the replacement be set at zero and a proper label be installed on the driver's door frame to show the previous odometer reading and date of replacement.

Fig. 1: This gauge is accessed by removing the cover panel and the retaining screws

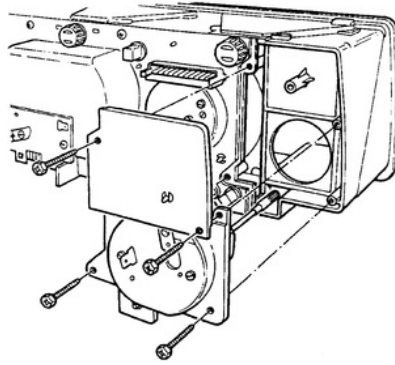


Fig. 2: Location of the retaining screws for the back of the instrument cluster

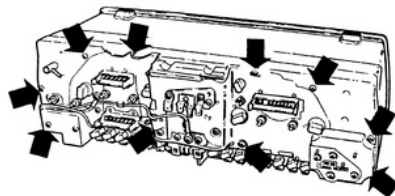
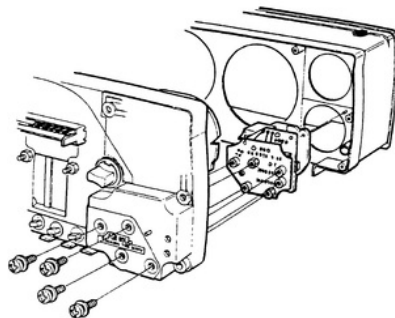


Fig. 3: After removing the back of the cluster, the gauge is removed by unfastening the retaining screws



1992 Volvo 940

Submodel: | Engine Type: L4 | Liters: 2.3

Fuel Delivery: FI | Fuel: GAS

The headlights must be properly aimed to provide the best, safest road illumination. The lights should be checked for proper aim and adjusted as necessary. Certain state and local authorities have requirements for headlight aiming; these should be checked before adjustment is made.

CAUTION

About once a year, when the headlights are replaced or any time front end work is performed on your vehicle, the headlight should be accurately aimed by a reputable repair shop using the proper equipment. Headlights not properly aimed can make it virtually impossible to see and may blind other drivers on the road, possibly causing an accident. Note that the following procedure is a temporary fix, until you can take your vehicle to a repair shop for a proper adjustment.

Headlight adjustment may be temporarily made using a wall, as described below, or on the rear of another vehicle. When adjusted, the lights should not glare in oncoming car or truck windshields, nor should they illuminate the passenger compartment of vehicles driving in front of you. These adjustments are rough and should always be fine-tuned by a repair shop which is equipped with headlight aiming tools. Improper adjustments may be both dangerous and illegal.

For most of the vehicles covered by this manual, horizontal and vertical aiming of each sealed beam unit is provided by two adjusting screws which move the retaining ring and adjusting plate against the tension of a coil spring. There is no adjustment for focus; this is done during headlight manufacturing.

NOTE: Because the composite headlight assembly is bolted into position, no adjustment should be necessary or possible. Some applications, however, may be bolted to an adjuster plate or may be retained by adjusting screws. If so, follow this procedure when adjusting the lights, BUT always have the adjustment checked by a reputable shop.

Before removing the headlight bulb or disturbing the headlamp in any way, note the current settings in order to ease headlight adjustment upon reassembly. If the high or low beam setting of the old lamp still works, this can be done using the wall of a garage or a building:

- 1. Park the vehicle on a level surface, with the fuel tank about 1/2 full and with the vehicle empty of all extra cargo (unless normally carried). The vehicle should be facing a wall which is no less than 6 feet (1.8m) high and 12 feet (3.7m) wide. The front of the vehicle should be about 25 feet (7.6m) from the wall.

Fig. 1: The headlight aiming levels, as viewed from the top

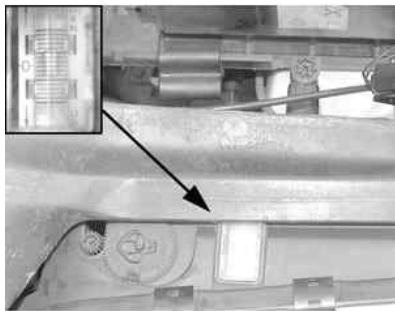


Fig. 2: Location of the aiming screws on most vehicles with sealed beam headlights

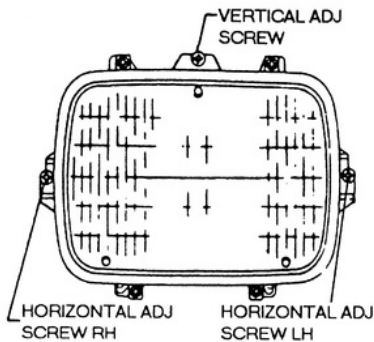
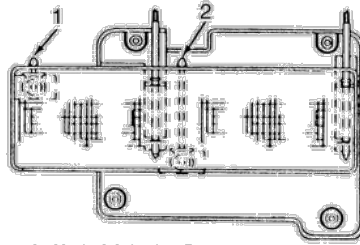


Fig. 3: Example of headlight adjustment screw location for composite headlamps



1. Vertical Adjusting Screw
2. Horizontal Adjusting Screw

2. If aiming is to be performed outdoors, it is advisable to wait until dusk in order to properly see the headlight beams on the wall. If done in a garage, darken the area around the wall as much as possible by closing shades or hanging cloth over the windows.
3. Turn the headlights **ON** and mark the wall at the center of each light's low beam, then switch on the high beams and mark the center of each light's high beam. A short length of masking tape which is visible from the front of the vehicle may be used. Although marking all four positions is advisable, marking one position from each light should be sufficient.

Fig. 4: Low beam headlight pattern alignment

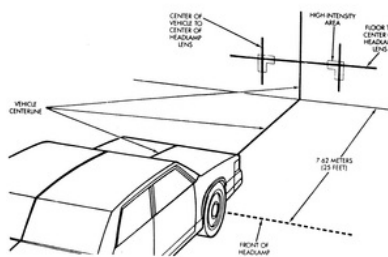
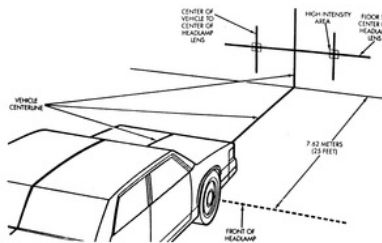


Fig. 5: High beam headlight pattern alignment



4. If neither beam on one side is working, and if another like-sized vehicle is available, park the second one in the exact spot where the vehicle was and mark the beams using the same-side light. Then switch the vehicles so the one to be aimed is back in the original spot. It must be parked no closer to or farther away from the wall than the second vehicle.
5. Perform any necessary repairs, but make sure the vehicle is not moved, or is returned to the exact spot from which the lights were marked. Turn the headlights **ON** and adjust the beams to match the marks on the wall.
6. Have the headlight adjustment checked as soon as possible by a reputable repair shop.

1992 Volvo 940

Submodel: | Engine Type: L4 | Liters: 2.3

Fuel Delivery: FI | Fuel: GAS

Replaceable Halogen Bulbs

1. Open the vehicle's hood and secure it in an upright position.
2. If so equipped, remove the headlight bulb and socket assembly's access cover.

NOTE: Bulbs with in-line sockets typically utilize separate locking rings, but those with angled sockets do not.

3. If equipped with a locking ring, twist and remove the ring to expose the bulb and socket assembly. If there is no separate ring, simply twist the bulb socket, then withdraw the assembly rearward.
4. If necessary, gently pry the electrical connector's retaining clip over the projection on the socket (use care not to break the clip.) Remove the bulb and socket assembly from the vehicle.

To install:

5. Before installing a light bulb and socket, ensure that all electrical contact surfaces are free of corrosion or dirt.
6. Line up the replacement headlight bulb and socket assembly with the electrical connector. Firmly push the connector onto the socket until the spring clip latches over the socket's projection.

WARNING

Do not touch the glass bulb with your fingers. Oil from your fingers can severely shorten the life of the bulb. If necessary, wipe off any dirt or oil from the bulb with rubbing alcohol before completing installation.

7. To ensure that the replacement bulb functions properly, activate the applicable switch to illuminate the bulb which was just replaced. (If this is a combination low and high beam bulb, be sure to check both intensities.) If the replacement light bulb does not illuminate, either it too is faulty or there is a problem in the bulb circuit or switch. Correct if necessary.
8. Position the replacement headlight bulb; if applicable, secure the locking ring. Also install the access cover, if so equipped.
9. Remove all tools, then close the vehicle's hood.

Fig. 1: Remove the access cover to replace the headlamp bulb



Fig. 2: Twist the angled bulb and socket assembly $\frac{1}{4}$ turn counterclockwise and withdraw it from the lens . . .



Fig. 3: . . . then release the tab and disengage the electrical connector



Sealed Beam Units

1. Disconnect the negative battery cable.
2. Release the headlight trim, using the applicable method. If equipped with plastic screws, rotate them $1/2$ turn, then remove the trim. If equipped with a clip at the top center of the trim panel, squeeze the two sides together, and pull upward to release the trim.
3. Unfasten the 4 small screws holding the retainer, then remove the retainer and the headlamp.
4. Unplug the electrical connector from the rear of the headlamp.
5. Installation is the reverse of removal.

Fig. 4: Remove the trim ring while supporting the headlight to prevent it from falling



1992 Volvo 940

Submodel: | Engine Type: L4 | Liters: 2.3

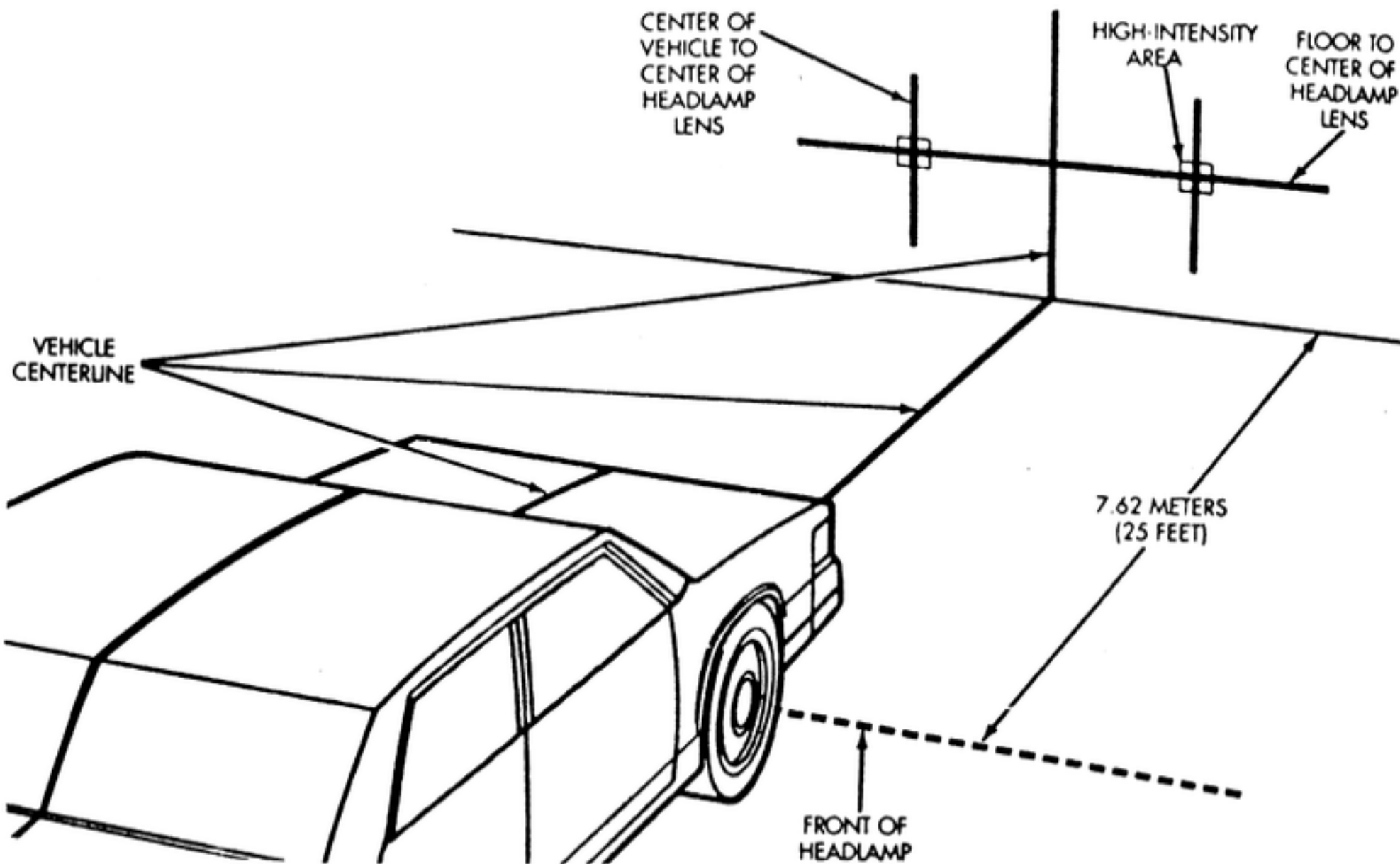
Fuel Delivery: FI | Fuel: GAS

240 Series and Coupe

1. Disconnect the negative battery cable.
2. Disconnect the hose from the left side dashboard vent.
3. Carefully remove the trim below the vent, then unfasten the screws holding the vent in place and remove the vent assembly.
4. Using a very small screwdriver, loosen the setscrew holding the selector knob onto the shaft. If no setscrew is evident, simply pull on the knob until it comes free of the shaft.
5. Unfasten the shaft nut from the switch and remove the switch through the back of the dashboard.
6. Remove the plug from the back of the switch assembly.
7. When reassembling, remember to connect the new switch to the wiring harness and, if equipped, tighten the small setscrew holding the knob to the shaft.
8. Install the switch into dashboard.
9. Tighten the shaft nut.
10. Connect the wiring harness.
11. Install the dashboard trim.
12. Install the vent hose.
13. Install the selector knob.
14. Reconnect the battery and check the switch function.

Except 240 Series and Coupe

1. Disconnect the negative battery cable.
2. Remove the selector knob by pulling it free of the shaft.
3. Detach the wiring connector by reaching under the dashboard. It may be necessary to loosen or remove the underdash pad to gain access.
4. Unfasten the shaft nut from the switch and remove the switch through the back of the dashboard.
To install:
5. Install the switch into dashboard.
6. Tighten the shaft nut.
7. Connect the wiring harness.
8. Install the underdash pad (if removed).
9. Install the selector knob by pressing it onto the shaft.
10. Reconnect the battery and check the switch function.



1992 Volvo 940

Submodel: | Engine Type: L4 | Liters: 2.3

Fuel Delivery: FI | Fuel: GAS

240, 700 Series, 940 Models and Coupe

1. Disconnect the negative battery cable.
2. Remove the molded plastic casings from the steering column.
3. Remove the bracket retaining screw and lower the bracket toward the steering column.
4. Remove the cluster attaching screws.
5. Disconnect the speedometer cable.
6. Tilt the cluster out of its snap fitting and disconnect the plug. On vehicles equipped with a tachometer, disconnect the tachometer sending wire.
7. Lift the cluster out of the dashboard.

To install:

8. Position the cluster in the dashboard, making sure the wiring and speedometer cable are reconnected before securing the cluster. Also make sure the cluster engages its snap fittings when placed in the dashboard.
9. Install the cluster attaching screws, and replace the bracket and retaining screw.
10. Install the molded plastic casings on the steering column.
11. Connect the negative battery cable.

Except 240, 700 Series, 940 Models and Coupe

1. Disconnect the negative battery cable.
2. Open the glove compartment.
3. Disconnect the glove compartment swing-down arms from the glove compartment door.
4. Remove the screws attaching the glove compartment lining and remove the lining.

CAUTION

Refer to the SRS (air bag) system Safety Precautions listed earlier in this section.

5. Disconnect the passenger side air bag module.
6. Remove the 4 screws over the glove compartment, and under the air bag module.
7. Remove the screws over the instrument cluster.
8. Remove the panel vents.
9. Remove the side demister vents.
10. Remove the retaining screws behind the vents.
11. Remove the dash speaker grilles and remove the speakers.
12. Remove the dash panel retaining screws under each speaker grille.

CAUTION

Refer to the SRS (air bag) system Safety Precautions listed earlier in this section for proper handling and storage.

13. Remove the instrument panel cover with the attached passenger side air bag module.
14. Undo the retaining clips on the instrument cluster.
15. Lift the instrument cluster away from the dashboard.
16. Unfasten the connectors on the back of the cluster and remove the cluster.

To install:

17. If any light bulbs need to be replaced on the instrument cluster, simply twist the bulb(s) $\frac{1}{4}$ turn counterclockwise and remove. Install and twist the replacement bulb(s) clockwise.
18. Attach the connectors on the back of the cluster assembly.
19. Position the instrument cluster into place and connect the retaining clips.
20. Place the instrument panel cover into place and install the retaining screws.
21. Install the vents, dash speakers, and grilles.
22. Install the air bag module retaining screws.
23. Plug in the air bag module connector.
24. Install the glove compartment lining and lid.
25. Connect the negative battery cable.

Fig. 1: Release the tabs to disengage the swing-down arms from the glove compartment door



Fig. 2: Remove the glove compartment lining retaining screws . . .



Fig. 3: . . . and remove the lining



Fig. 4: Unplug the connector from the passenger side air bag module



Fig. 5: Remove the four screws above the glove box . . .



Fig. 6: . . . and the bolts for the air bag support bracket

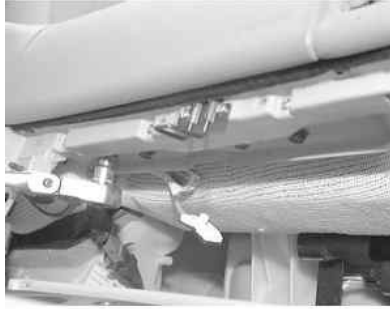


Fig. 7: Remove the retaining screws over the instrument cluster



Fig. 8: Gently pry out either side of the passenger vent assembly . . .

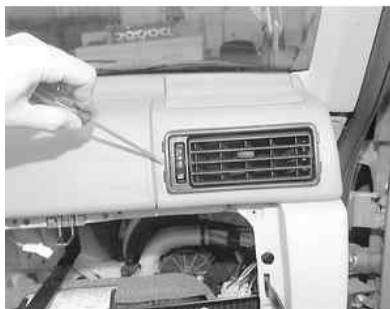


Fig. 9: . . . and remove it from the dashboard



Fig. 10: Gently pry out and remove the vent cover on the driver's side



Fig. 11: Unfasten the retaining screw . . .



Fig. 12: . . . and remove the side demister vent (one on each side)



Fig. 13: Remove the dash pad retaining screw behind the demister vent



Fig. 14: After removing the center panel vent covers, unfasten the dash panel retaining screws



Fig. 15: Remove this screw from each side after the dashboard speaker grilles are removed

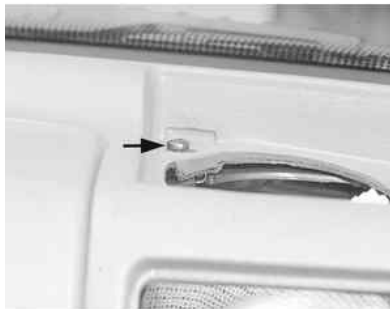


Fig. 16: Unsnap the retaining clips for the instrument cluster
...



Fig. 17: ... then unplug the electrical connectors ...

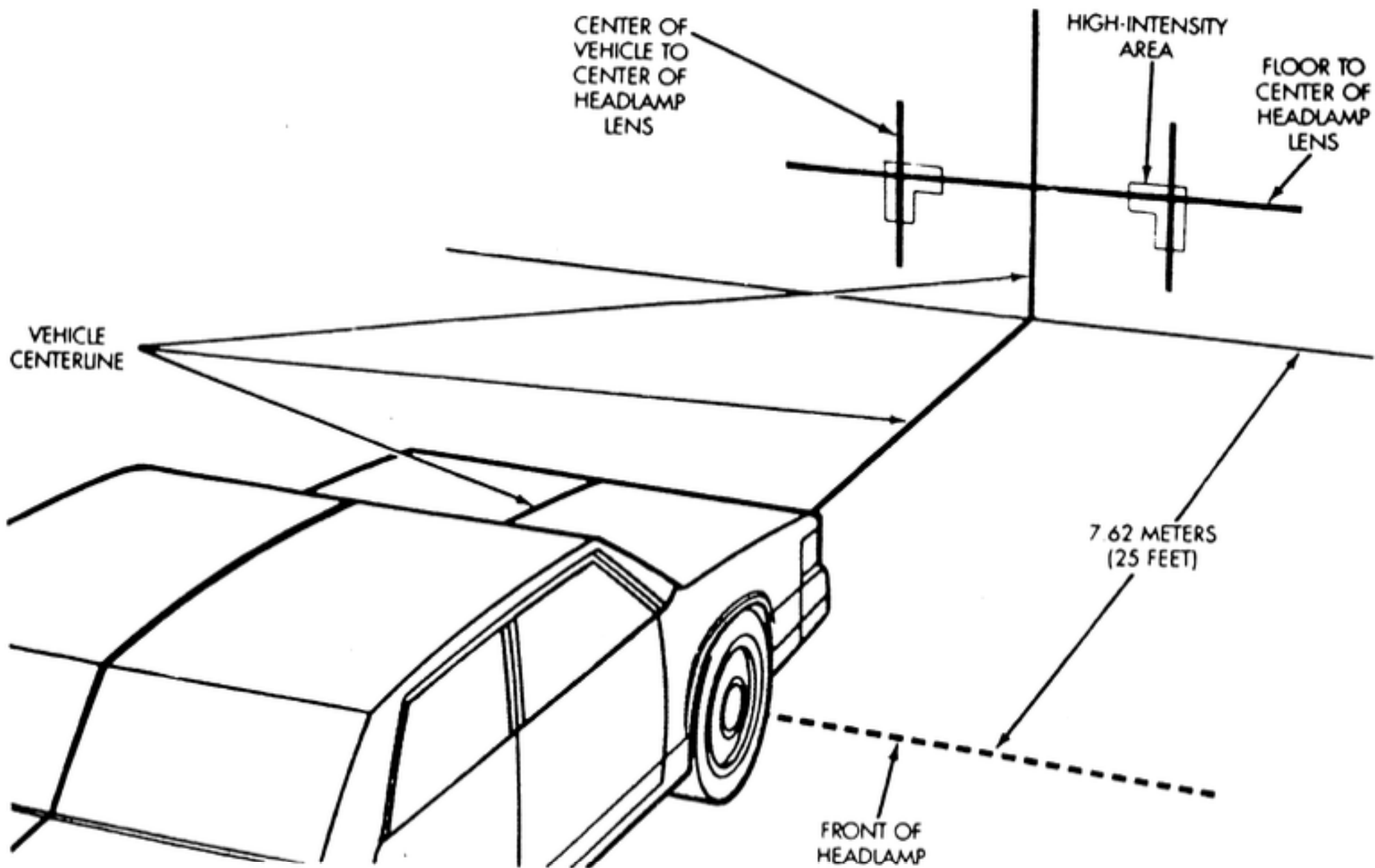


Fig. 18: ... and lift the instrument cluster out of the dash panel



Fig. 19: The instrument cluster bulbs are easily removed by twisting $\frac{1}{4}$ turn and pulling them out





1992 Volvo 940

Submodel: | Engine Type: L4 | Liters: 2.3

Fuel Delivery: FI | Fuel: GAS

The dash or console mounted rocker switches are easily removed. Depending on the model, it may be necessary to remove the trim panel surrounding the switch. After this is done, reach behind the switch and disconnect the wire harness running to the switch. While your hand is back there, grasp each side of the switch, compress the retaining clips and remove the switch through the front of the panel.

If length allows, the wire harness may be brought out through the panel (after the switch is removed) for circuit testing. When reinstalling, make sure the wiring is properly routed and not crimped or pinched. The switch should engage the panel with a definite click when in place. Reinstall the trim panel.

Fig. 1: On this type of rocker switch, the trim panel must be removed

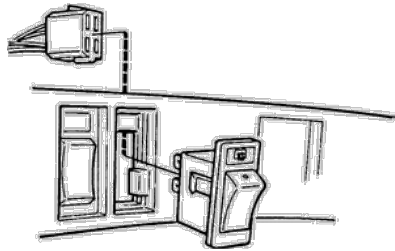
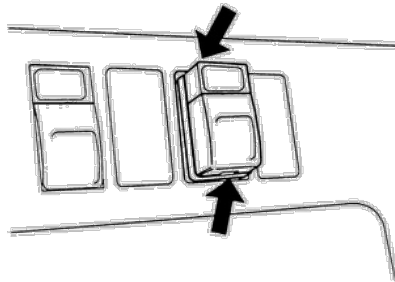


Fig. 2: On this type, a small screwdriver or other suitable tool can be inserted into the groove (indicated by the arrows) to release the switch

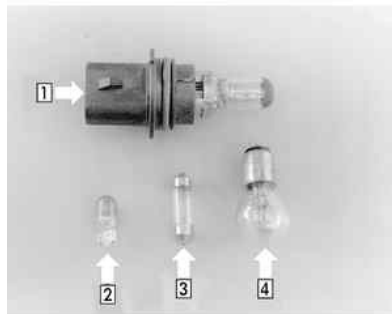


1992 Volvo 940

Submodel: | Engine Type: L4 | Liters: 2.3

Fuel Delivery: FI | Fuel: GAS

Fig. 1: Examples of various types of automotive light bulbs



Turn Signal and Parking Lights

1990–93 MODELS

NOTE: Depending on the vehicle and bulb application, either unscrew and remove the lens or disengage the bulb and socket assembly from the rear of the lens housing.

1. Raise and support the hood.
2. Working from inside the engine compartment, twist the socket $\frac{1}{4}$ turn counterclockwise, then remove the bulb and socket assembly.

NOTE: Do not remove the electrical connector from the socket.

3. Depress the bulb and twist it $\frac{1}{4}$ turn counterclockwise, then remove the bulb.

To install:

4. Before installing a light bulb into the socket, ensure that all electrical contact surfaces are free of corrosion or dirt.

NOTE: Before installing the light bulb, note the positions of the two retaining pins on the bulb. They will likely be at different heights on the bulb, to ensure that the bulb is installed correctly. If, when installing the bulb, it does not turn easily, do not force it. Remove the bulb and rotate it 180 degrees from its former position, then reinsert it into the bulb socket.

5. Insert the light bulb into the socket and, while depressing the bulb, twist it $\frac{1}{8}$ turn clockwise until the two pins on the light bulb are properly engaged in the socket.
6. To ensure that the replacement bulb functions properly, activate the applicable switch to illuminate the bulb which was just replaced. If the replacement light bulb does not illuminate, either it too is faulty or there is a problem in the bulb circuit or switch. Correct if necessary.
7. If applicable, install the socket and bulb assembly into the rear of the lens housing; otherwise, install the lens over the bulb.

1994–98 MODELS

1. The lamp assembly is held into place by a retaining spring. Pull the lamp assembly out to access the bulb.

NOTE: If you use great care, you can turn the lamp around and wedge it so that it will stay, leaving both your hands free to change the bulb.

2. Press the tabs and remove the bulb assembly.
3. Remove the bulb by turning it to release the locking tabs.

To install:

4. Install a new bulb and place the bulb assembly into the lens, ensuring that the gasket is installed.
5. Push the bulb assembly in until the tabs engage.
6. Pull the lamp assembly out and position it, then release the tension, allowing the spring to pull it back into place; this may require several tries.

Fig. 2: Pull out the lamp assembly — note the spring used to retain the lamp



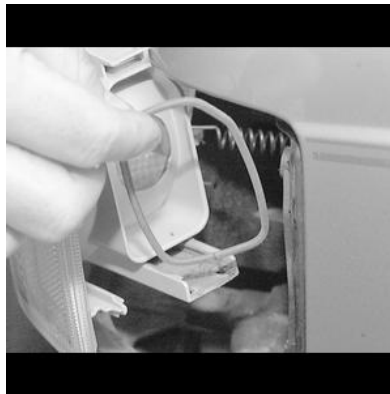
Fig. 3: Release the tabs and the bulb assembly will come out



Fig. 4: Free the bulb by turning it to release the retaining tabs



Fig. 5: Be careful to position the gasket properly, or premature bulb failure could result



[Side Marker Light](#)

Fig. 6: Simply pull this side marker light bulb straight from its socket



1. Disengage the bulb and socket assembly from the lens housing.
2. Gently grasp the light bulb and pull it straight out of the socket.

To install:

3. Before installing the light bulb into the socket, ensure that all electrical contact surfaces are free of corrosion or dirt.
4. Line up the base of the light bulb with the socket, then insert the light bulb into the socket until it is fully seated.
5. To ensure that the replacement bulb functions properly, activate the applicable switch to illuminate the bulb which was just replaced. If the replacement light bulb does not illuminate, either it too is faulty or there is a problem in the bulb circuit or switch. Correct as necessary.
6. Install the socket and bulb assembly into the lens housing.

Rear Turn Signal, Brake and Reverse Lights

240 SEDAN

All tail lamp bulbs are replaced from inside the trunk.

1. Open the trunk. Unscrew and remove the tail lamp inside cover. The cover is hooked at the upper edge. Lift the lower end out and up, then unhook the upper edge.
2. Turn the socket approximately $\frac{3}{8}$ inch (1cm) counterclockwise and remove it from the tail lamp lens housing.
3. Depress the bulb in the socket, turn it slightly counterclockwise and remove it.

To install:

4. Align the pins on the side of the replacement bulb with the grooves in the socket. Push in the bulb and turn it slightly clockwise.
5. To ensure that the replacement bulb functions properly, activate the applicable switch to illuminate the bulb which was just replaced. If the replacement light bulb does not illuminate, either it too is faulty or there is a problem in the bulb circuit or switch. Correct as necessary.

NOTE: One of the socket's retaining tabs is wider than the other, so the socket must be properly oriented.

6. Install the bulb and socket assembly in the tail lamp lens housing. Turn the socket clockwise to lock it.
7. Position and fasten the tail lamp inside cover.

240 WAGON

All bulbs in the tail light cluster are removed from inside the trunk.

1. To access the left side bulb, remove the spare tire cover and the spare wheel assembly.
2. To access the right side bulb, remove the stowage cover. Loosen the clip and move the panel aside.
3. Depress the bulb and turn it slightly counterclockwise, then remove it.

To install:

4. Install the bulb and related components in the reverse order of removal. Be sure to position the socket with the word "Volvo" turned toward the center of the vehicle.

EXCEPT 240 SEDAN AND WAGON

All bulbs in the tail light cluster are removed from inside the trunk. To avoid confusion, replace bulbs one at a time.

1. Unscrew and remove the tail lamp inside cover. Note that the inside cover is hooked at the lower edge.
2. Remove the plastic screw and remove the bulb and socket as a unit.
3. Depress the bulb in the socket and turn it slightly counterclockwise, then remove it.

To install:

4. Align the pins on the side of the bulb with the grooves in the socket, then insert and twist the replacement bulb.
5. To ensure that the replacement bulb functions properly, activate the applicable switch to illuminate the bulb which was just replaced. If the replacement light bulb does not illuminate, either it too is faulty or there is a problem in the bulb circuit or switch. Correct as necessary.
6. Install the bulb and socket assembly in the tail lamp housing.
7. Replace the tail lamp inside cover.

Fig. 7: The tail lamp's access cover is inside the trunk



Fig. 8: After the clips are rotated, pull the trim back to reveal the lights



Fig. 9: Press the tabs and the tail lamp light bulb cluster can be removed

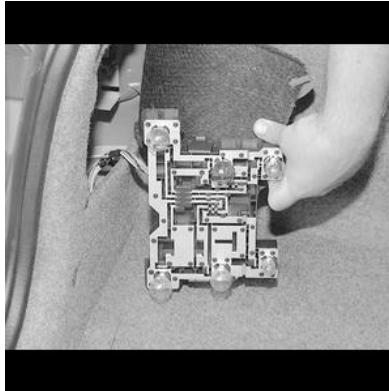
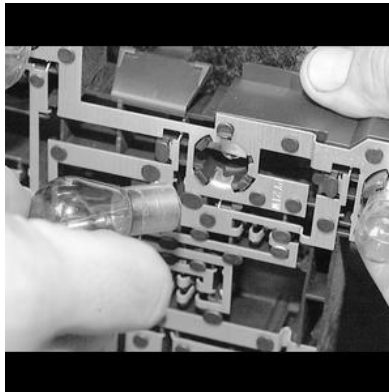


Fig. 10: These light bulbs are removed by turning counterclockwise slightly to release their retaining pins



High-Mounted Brake Light

240 SERIES

1. On sedans, use a screwdriver to depress the catch, then pull the plastic cover up and away from the light assembly.

WARNING

When using a screwdriver to pry plastic components, use care to avoid scratching or breaking. If necessary, wear eye protection whenever possible.

2. On wagons, depress the marked areas on the side of the housing and pull it away from the light assembly.
3. Press in the reflector catch to release the reflector assembly. Swing out the reflector and remove the bulb.
4. Install a new bulb and snap the reflector into position. Check that the bulb lights when the brake pedal is depressed.
5. Align the light bulb terminals with the holes in the lamp housing, and press the bulb into place.

EXCEPT 240 SERIES

1. Depress the light cover's catch with a screwdriver.

WARNING

When using a screwdriver to pry plastic components, use care and avoid scratching or breaking. If necessary, wear eye protection whenever possible.

2. Grasp the cover with both hands and pull it towards you.
3. Gently depress the reflector's tabs and pull off the bulb/socket/reflector assembly.
4. Twist and remove the bulb from the socket.

To install:

5. Insert the replacement bulb into the socket and check that the light works.
6. Install the bulb/socket/reflector assembly.
7. On Sedan models, press the cover into position, noting the position of the alignment pin at the top.
8. On Wagon models, align the catches and press the cover into position.

Fig. 11: Remove the cover to access the bulb



Fig. 12: Gently squeeze the tabs . . .

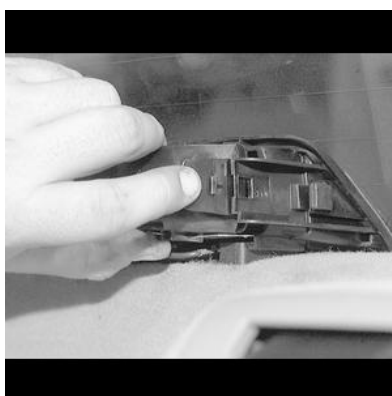
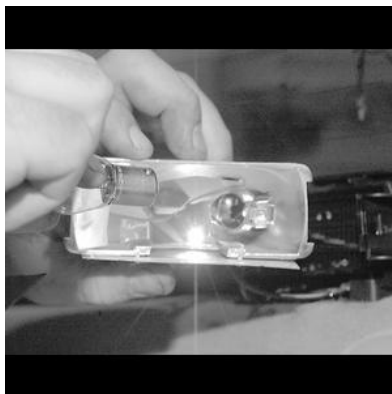


Fig. 13: . . . and pull the bulb/reflector assembly out to replace the bulb



Fig. 14: Lightly depress and twist the bulb counterclockwise to remove it



Spoiler Mounted Brake Light

1. Remove the retaining screws from the lens, then remove the lens.
2. Remove the bulb.

To install:

3. Install the replacement bulb into the socket, and check that the light works.
4. Ensure that the gasket is in place.
5. Install the lens onto the housing and tighten the retaining screws.

Dome Light

1. Using a small prytool, carefully remove the cover lens from the lamp assembly.
2. Remove the bulb from its retaining clip contacts. If the bulb has tapered ends, gently depress the spring clip/metal contact and disengage the light bulb, then pull it free of the two metal contacts.

To install:

3. Before installing the light bulb into the metal contacts, ensure that all electrical conducting surfaces are free of corrosion or dirt.
4. Position the bulb between the two metal contacts. If the contacts have small holes, be sure that the tapered ends of the bulb are situated in them.
5. To ensure that the replacement bulb functions properly, activate the applicable switch to illuminate the bulb which was just replaced. If the replacement light bulb does not illuminate, either it is faulty or there is a problem in the bulb circuit or switch. Correct as necessary.
6. Install the cover lens until its retaining tabs are properly engaged.

Fig. 15: A small amount of tape around the end of the prytool can help prevent damage to the trim



Fig. 16: The lens is made of plastic and can easily break, so be careful



Fig. 17: After removal, place the lens in a safe location where it will not be damaged



Fig. 18: With the lens removed, the bulb is accessible



Fig. 19: The bulb is retained by 2 small pins on its base which lock it into place



Interior Light

240 SERIES

1. Insert a screwdriver through the opening in the right side of the housing and depress the catch tab.
2. Pull out the housing assembly and remove the bulb.
3. Installation is the reverse of the removal procedure.

EXCEPT 240 SERIES

1. Take hold of the front section of the light and pull the housing straight down.
2. Replace the bulb and check its operation.
3. Install the bulb housing.

Door Warning Lamps and Vanity Mirror

1. Insert a screwdriver and gently turn it to remove the lens.
2. Replace the bulb, and check its operation.
3. Press the lens back into place.

Shift Indicator Lamp

1. Disconnect the negative battery cable.
2. Remove the center console, as described in Section 10.
3. Locate the shift lamp bulb, and twist the bulb/socket assembly out of the shifter.
4. Pull the bulb straight out; it is retained by springs located on the side of the bulb socket.

To install:

5. Push the new bulb into place.
6. Install the new bulb and socket into the shifter.
7. Install the center console.
8. Connect the negative battery cable.

Fig. 20: The shift indicator lamp is located beneath the shifter assembly



Fig. 21: Remove the socket from the shifter to gain access to the bulb



Engine Compartment and/or Trunk Light

1. Remove the lamp assembly retaining screws. Lift out and remove the assembly.
2. Replace the bulb, and check its operation.
3. Reinstall by first inserting the guides into one side, then press in the light assembly.
4. Install the retaining screws.

License Plate Light

240 SERIES SEDAN

1. Slide the bulb housing backwards until it is released from the front edge.
2. Pull out the lamp housing and remove the bulb.
3. Install a new bulb.
4. Insert the front edge of the lamp housing and press up the rear edge by hand.

240 SERIES WAGON

1. Insert a screwdriver through the opening in the housing and depress the catch tab.

WARNING

When using a screwdriver to pry plastic components, use care and avoid scratching or breaking. If necessary, wear eye protection whenever possible.

2. Pull out the housing assembly.
3. Installation is the reverse of the removal procedure.

780 SERIES

1. Slide the bulb housing backwards until it is released from the front edge.
2. Pull out the lamp housing and remove the bulb.
3. Install a new bulb.
4. Insert the front edge of the lamp housing and press up the rear edge by hand.

EXCEPT 240 AND 780 SERIES

1. Remove the screws from the light housing.
2. Insert a screwdriver and pry off the light assembly.
3. Replace the bulb, and check its operation

4. Reinstall the light housing.

Fig. 22: Remove the lens attaching screws . . .



Fig. 23: . . . and remove the lens

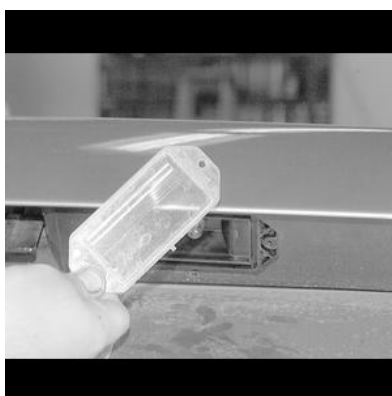


Fig. 24: Remove the bulb by pulling it straight out

