

Four-way emergency flasher in Volvo Amazon

By the mid 1960s new cars were required to be fitted with a four-way emergency flasher unit in the USA and other countries due to legal demands. Volvo thereby had little choice but to fit their cars with such units. The first years, it was up to the resellers in North America to have these installed before the cars were possible to sell, and they were also sold as accessory for earlier model years (part number 279901). These switches therefore differ in design from the others in the car. Cars assembled in Halifax, Canada had four-way emergency flashers installed from model year 1967. The last model years of the export cars (1968) had emergency flasher units factory installed, and were of the same type found in early model years of the 140-series (part number 673380). Another market with factory installed four-way emergency flashers was Japan. In Sweden, Volvo Amazon was also fitted with the emergency flasher unit, but only in the Police edition.

On Volvo Canadian (both 122 s and 123 GT) the flasher unit was located on the left kick panel, above the hood opener. On Volvo 122 s in export edition the flasher unit was located on the instrument panel, above the fan knob.



Emergency flasher unit, 1968 122 s in export edition (part number 673380)

If the flasher unit is installed were intended a new hole needs to be drilled in the instrument panel. If placed there, however, it is within easy reach in an emergency situation and blends well into the driver environment of the car. An alternative placement is replacing the cigarette lighter with the flasher unit. On cars that had the ignition in the instrument panel and later got equipped with steering wheel lock (i.e. the ignition near the steering wheel pole) the old ignition hole can be used for the flasher unit.



Emergency flasher unit, 1967 Volvo Canadian GT (part number unknown)



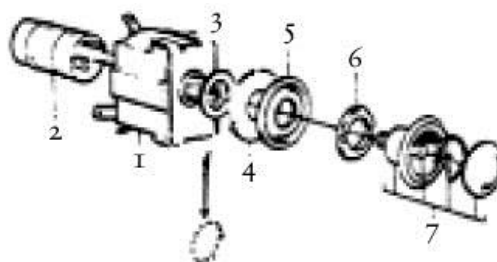
*Emergency flasher unit, accessory (part number 279901)
The Roberk Co. Model 800*



Emergency flasher unit, 1969 123 GT (part number unknown)

Required parts

Pos.	Qty.	Part number	Description
1	1	673380-2	Switch
2	1	686452-4	Flasher unit
3	1	673385-1	Washer, aluminum
4	1	673387-7	Washer, insert
5	1	673386-9	Washer, spacer
6	1	673388-5	Nut washer
7	1	673381-0	Button
7	1	277747-2	Bulb

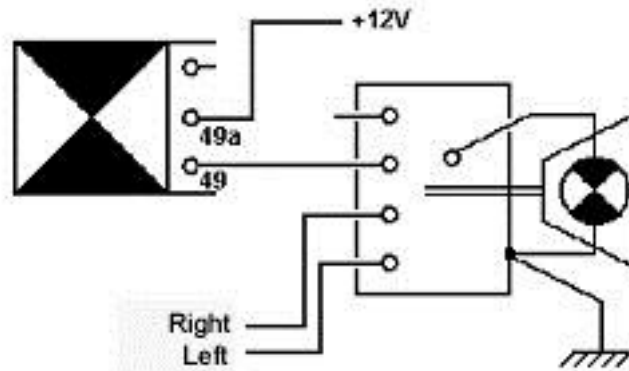


This list is from the spare parts catalogue for the model year 1968 and concerns the flasher unit used in the export cars.

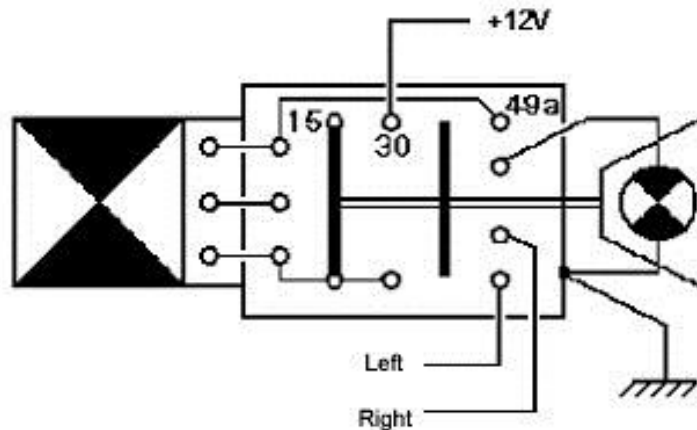
Connection

START BY DISCONNECTING THE BATTERY and consult the wiring diagram of the car. If the unit is to be installed in the hole originally intended for the cigarette lighter, this unit must first be removed. Disconnect the wire from the cigarette lighter from position 46 in the wiring diagram and remove the cable.

Emergency flasher with separate flasher unit (279901) is connected according to the figure below. The directional indicator switch has position 30 in the wiring diagram and on its right (blue cable) and left (green cable) cables from the switch (673380) are connected. The flasher unit (686452) is connected between plus on the battery and the switch. This way, the unit will work even when the ignition is off. One of the cables from the switch is not used.



Emergency flasher from an export car or the 140-series (673380) is connected in a similar way. Here, the flasher unit is built in, which makes the entire unit take up less space behind the instrument panel. The principle is the same as above – two cables are connected to the left and right directional indicator and the third to the battery's plus according to the figure below.



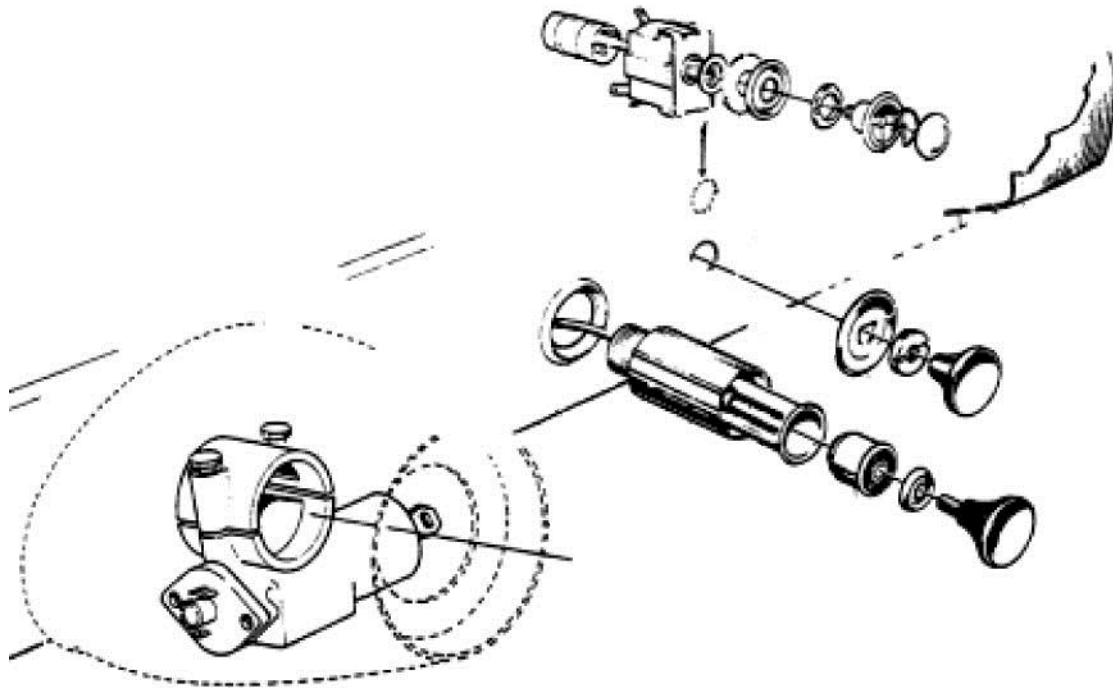
Be careful not to damage or unintentionally disconnect any cables. It's easily done! One alternative to connecting directly to the battery's plus is to use the cable to the light for the passenger side shelf. The easiest place to connect to the left and right directional indicators is probably to the left of the steering wheel, in front of the directional indicator (turn signal) switch.

Verify correct installation and reconnect the battery. If the switch and flasher unit are correctly installed the bulb in the unit will flash along with all four directional indicator lights. The light in the instrument panel (above the steering wheel) will *not* flash. Don't forget to add your changes to the wiring diagram.

Placement

IF THE EMERGENCY FLASHER IS PLACED in the cigarette lighter hole, the washers can be used to center the flasher unit in place and prevent it from falling out of place since the hole is slightly too big for the flasher.

If not, measure and drill a new hole in the instrument panel according to the picture below. The hole should be located directly above the fan switch. Alternate placement is between the steering wheel and the cigarette lighter, in alignment with this and the fan knob. Be precise! Measure again! Drill.



Fit the switch in the instrument panel and secure it with the washers.

Waiver. The text in this summary has been prepared with uttermost care but is, despite of this, strictly a guide to be used in conjunction with normal and cautious vehicle shop practice, including the safe operation of electric equipment. I cannot accept liability for your actions. Work smart! Work safely!