



Figure 1

Required Tools:

- Drill motor with 5/32" drill bit
- 1/4" nut driver or socket
- 5/16" nut driver or socket
- 1/2" open end wrench
- Pair of standard pliers
- Blade screwdriver
- Razor blade
- Roll tape, electrical or masking
- Center punch & hammer

Parts List:

- 1 Lamp fixture, hooded with wire
- 1 Lamp fixture wire fuse extension
- 1 #1003 light bulb
- 1 Fuse, AGC 4 amp
- 2 Screw, hex washer Head, self-tapping, 10-16 x 3/4"
- 2 Clip, wire retaining sheet metal, medium
- 1 Grommet, 11/16" hole, 1-wire
- 1 Grommet, 1" hole, 2-wire

INSTRUCTION SHEET

1965-69 CORVAIR
ENGINE COMPARTMENT
LAMP

M&H Electric Fabricators, Inc.
AUTOMOTIVE WIRING SYSTEMS
Phone (562) 926-9552 Fax (562) 926-9572

DWG NO
92973711

SHEET
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Procedure:

1. Disconnect the ground wire from the battery using either pliers or $\frac{1}{2}$ " open end wrench (depending on the battery terminal).

Note: If the vehicle is equipped with engine hood insulation, remove the perforated portion of the insulation covering the lamp fixture mounting location, just left of center.

2. Locate the lamp mounting position over the center of existing dimple. See Figure 1.

3. Mark, center punch, and drill one of the two lamp bracket holes using a drill motor and $5/32$ " drill bit. Do not use the dimple for one of the holes. The lamp fixture will not be in the right position.

Caution: Take care not to drill through the outer skin of the engine compartment hood. Use a piece of tubing or a stack of nuts on the drill bit to limit the depth of the drill bit when it penetrates the inner structure metal.

4. Mount the lamp fixture using one screw in the hole that was just drilled.
5. Verify that the lamp fixture is straight on the engine compartment hood.

6. Mark the other hole in the lamp fixture bracket.

7. Center punch and drill a hole for the other bracket screw hole. Install the second screw into the hole that was just drilled. See Figure 1.

8. Tighten both screws using a $5/16$ " nut driver or socket.

9. Using a blade screwdriver, carefully remove the grommet around the license plate lamp wire in the existing 1" hole, just above the left hinge and remove it from the wire.

Note: The existing grommet material will typically be very hard and brittle. It may break apart while trying to remove it. Take care not to damage the license plate lamp wire.

10. Put a small piece of tape on the lamp wire to temporarily secure the small black in-line fuse body end cap to the end of the lamp wire for routing.

11. Route the lamp wire down into the existing $11/16$ " hole inside the engine lid inner structure just below the lamp. Fish the wire through the hood inner structure from the upper $11/16$ " hole down and out through to the lower 1" hole along with the existing license plate lamp wire as shown in Figure 1. Pull the slack out of the wire. Leave about a 1" loop in the wire between the lamp fixture and the $11/16$ " hole.

12. Continue to route the wire alongside the license plate lamp wire to the hinge and down into the engine compartment.

13. Secure the wire to the engine lid inner structure holes using the two supplied grommets. It will be necessary to slit the grommets using a razor blade in order to install them onto the wires. The upper grommet will only have the Engine Compartment lamp wire. Maintain the 1" loop in the wire under the lamp fixture which is critical for later lamp housing adjustment. The lower grommet will have both the engine compartment lamp wire and the license plate lamp wire. Use a blade screwdriver to help install the gromets into their holes securely.

14. Remove the existing lower small clip on the hinge and replace it with the supplied larger clip to secure both the lid lamp and License Plate lamp wires to the inside of the hinge as shown in View A.

15. Install the second clip onto the hinge above the license plate wire connector and secure both lamp wires to the inside of the hinge.

Note: Be sure the wires are attached to the inside of the hinge. If the wires are attached to the outside of the hinge, they might bind between the hinge and firewall hinge pocket when the engine compartment lid is lowered and can be damaged.

16. Remove the temporary tape from the end of the lamp wire. Connect the Lamp Fixture wire extension along with the supplied fuse to the lamp wire.

17. Connect the lamp wire to the red plastic battery Junction on the side rail by the battery using a $1/4$ " nut driver or socket.

18. Inspect the installation. Look for any place where the lamp wire may become damaged in the future.

19. Reconnect the battery ground wire and test.

Notes: A. Make sure that there is enough slack in the wire after the hinge to allow opening and closing the engine lid.

B. If the lamp does not turn off when the lid is lowered to within 8 inches of being closed while parked on a level surface, carefully bend the lamp down in small increments and re-test. Repeat as required. The 8" specification is a factory normal setting. Users should consider normal vehicle parking angles when different from level conditions exist to avoid battery discharge due to the lamp staying on while parked.

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