



Hood Vents (HV-LB) Installation Guide

These HV-LB Hood Vents are designed to fit over the Chrysler Lebaron hood vents or they can be used alone and on any suitable vehicle. They are a great looking way to increase engine ventilation and to help keep out rain, ice, snow, sunlight, water, and debris from the engine bay and sensitive engine electronics.

General Guidelines

- These hood vents are custom made.
 - Inspect them carefully to make sure they meet your expectations.
 - There may be an occasional nick, scuff, or scratch.
- Read this *Installation Guide* before starting the install.
 - Call or email if you have any questions.
 - Contact information is at the end.
- If you want to paint the Hood Vents then fit them to the hood of the vehicle first.
 - See the General Paint Information at the end.
- Be safe and don't rush.
 - Wear safety glasses, face shield, gloves and other protective equipment as needed.
 - Know how to use the tools and make sure they are working properly.
 - Follow all necessary safety procedures.

Parts List

- Two Hood Vents - one left, one right
- 8 S/S Torx screws with S/S washers
- Torx security tip driver
- Installation Guide

Suggested Tools & Materials:

- | | | |
|--------------------------|---------------------|--------------------------|
| - safety glasses | - face shield | - mechanics gloves |
| - utility knife | - pencil and marker | - masking tape |
| - fine metal file | - drill & bits | - jig saw w/metal blades |
| - straight edge 3' to 4' | | |

General Preparation

1. Make sure the engine is cool to the touch.
2. Remove existing Lebaron hood vents (optional).
 - a. The HV-LB Hood Vents will also fit over top of the old Lebaron hood vents.
3. If cutting of the hood is required then cover the engine for protection.
4. Use masking tape to protect the paint around the work area.

Placement

5. The Hood Vents can be placed in any suitable location on the hood of the vehicle.
 - a. Make sure the Hood Vents are placed symmetrically.
 - b. A long straight edge helps with placement.
 - c. Although the Hood Vents can be placed over the structural supports for the hood it is usually best to locate the Hood Vents where they don't interfere with the structural supports.
6. Position one Hood Vent exactly where it will go.
 - a. Use the center line and edges of the hood as a reference.
 - i. Measure from the corners of the Hood Vent to key locations on the hood.
 - (1) A long straight edge is useful for locating the Hood Vents.
 - ii. Use those dimensions to place the second Hood Vent.
 - iii. Confirm the Hood Vents are visually correct.
 - iv. Outline both positions with a masking tape. The masking tape will also protect the hood from scratches during the next steps.

Cut Vent Holes (optional)

7. If the Hood Vents are to be functional then it is necessary to cut two holes in the hood of the vehicle.
 - a. Make sure the engine bay is cool and protected from cutting blades, sparks, and flying chips of hot metal.
 - b. Use the Hood Vent location determined above.
 - i. Mark the approximate center of each Hood Vent.
 - ii. Each Hood Vent needs a hole approximately 4"x5".
 - iii. Confirm that the Hood Vents properly cover each hole, are still symmetrical, and there is enough sheet metal for the screws to contact.
 - iv. Carefully cut each hole with a jig saw or similar fine blade cutting tool.
 - (1) Don't cut through the structural supports for the hood.
 - c. Use a metal file to take off the sharp edges.
 - d. Prime & Paint the cut edges to prevent rust.

Install Hood Vents

8. Reposition Hood Vents
 - a. Confirm that the placement is visually correct.
9. Mount first Hood Vent
 - a. Drill one hole in the corner bolt location of one Hood Vent
 - i. Insert screw & washer
 - ii. Adjust position as needed
 - b. Drill second hole in opposite corner of Hood Vent
 - i. Insert screw & washer
 - c. Confirm placement and adjust as needed
 - d. Drill remaining screw holes and insert screws & washers
10. Mount Second Hood Vent
 - a. Double check all dimensions used to perfectly locate second hood vent
 - b. Follow same steps as above to mount second Hood Vent
11. Remove protection from engine bay & tape from hood.
12. If desired, Hood Vents can now be removed and painted.

Enjoy the look and improved ventilation with the new Hood Vents!

Technical Assistance: <jdougn@napierprecisionproducts.com>

502-727-8348 9:00am - 5:00pm Eastern Time

www.napierprecisionproducts.com

GENERAL PAINT INFORMATION

Painting the HV-LB Hood Vents is not difficult. It is best to install the Hood Vents first then remove them for painting. Here are some recommendations that have worked well.

Dupli-Color spray paint is readily available and has some products that work well in preparing and painting the ABS plastic Hood Vents. Any other quality spray paint made for plastic should work. (Always follow the instructions on the products and paint you plan on using. They take priority over this general information.)

Preparation:

- Clean and dry the Hood Vents thoroughly.
- Use a “Grease & Wax Removal” product to clean the surfaces. Wipe with a lint free cloth.
- Use red Scotch Brite scuff pad on all areas to be painted.
- Wipe of any dust with a lint free tack cloth.
- Repeat this process if there is any doubt that any finger prints, grease, oil, or residue remain.
- Use dry compressed air to remove remaining dust.

Prime/Paint

- Use a plastic adhesion promoter as a primer.
- Use spray paint designed to work with plastic.

If there are any questions about painting these fender flares please consult the product details for that specific product.