

eGlideGoodies

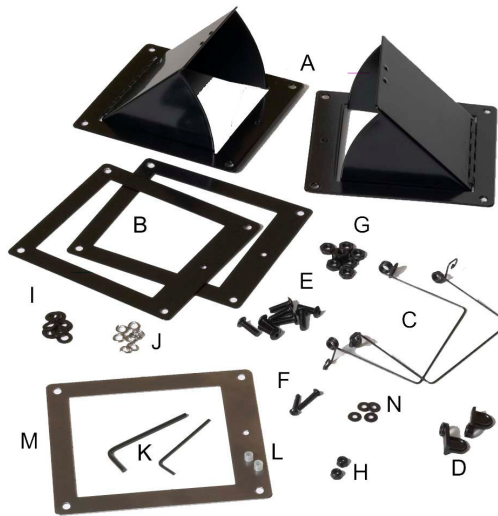
Functional Products for Harley-Davidson Electra Glides

Ultra Vent™ (model LV-2,3,4) Installation Instructions

Congratulations on the purchase of your Ultra Vent(s)™. This product will improve the riding comfort of your lower fairing equipped Electra Glide, Tour Glide or Road Glide. The installation is straightforward and easy and is the same for each model. If you have any questions email support@eglidegoodies.com or call (760) 753-4642.

Inventory: The kit includes the following: (double vent kit)

1.
 - A. vent & hinge frame assembly (2)
 - B. rear finishing frame (2)
 - C. dual torsion spring (2)
 - D. door latch (2)
 - E. 1/2 inch button head screws (8)
 - F. 5/8 inch button head screw (2)
 - G. nuts (8)
 - H. nylon locking nut (2)
 - I. washers (8)
 - J. lock washers (8)
 - K. hex wrench (2)
 - L. nylon latch insert (2)
 - M. unfinished cutting template (1)
 - N. small washers (4)



Caution:

Make sure to wear proper eye protection during the installation!

Lower Fairing Removal:

2. Remove the fairing lower from the engine guard using the procedure provided in your Harley-Davidson user/service manual. Do not remove the glove box from the fairing.

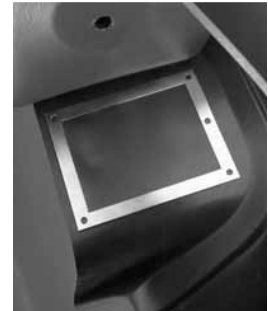
Vent Placement, Hole Drilling and Cut-Out:

Caution: Place cloth or cushion underneath fairing lower to protect it from getting scratched during the following procedures.

3. Working inside the fairing and using the bottom of the glove box as a guide, position a closed vent parallel to and **no more** than 1/16” from the rear edge of the fairing. Position the assembly so that the vent side tabs are **no more** than 1/8” below the bottom of the glove box. (You want the vent assembly as **close** as possible to the glove box but with enough room so that the side tabs do not touch the glove box when the vent is closed!)



Mark the back two holes with a pencil then remove the vent and replace it with the cutting template in the exact same location. See photo to the right to assist in judging the cutting template orientation.



4. Lift out the glove box, steady the template with one hand and using an 11/64” drill bit carefully drill 1 hole near the back edge of the fairing through the bottom corner hole of the cutting template. Install one screw and nut and tighten slightly to stabilize the template’s location. On the other corner (same edge), drill the second hole. (You cannot drill the remaining holes from inside the fairing because the front edge of the fairing lower is in the way.)
5. Remove the screw and nut and re-position the cutting template on the outside of the fairing with the three hole side of the template towards the front of the fairing (away from the edge of the fairing). Install two screws and nuts into the open holes. Drill the remaining two corner holes and install two screws and nuts. Change drill bit size to 1/8” to drill the final center latch hole.

Next skip down to one of the two following procedures to make the vent opening using either **A) Dremel tool/RotoZip router** or **B) coping saw/frameless hacksaw**:

A) Cut Vent Opening using a Dremel tool or RotoZip:

6. Using a Dremel tool with router bit (or RotoZip with router bit) held perpendicular to the fairing, carefully rout the fairing lower within the inner part of the metal cutting template. (The bit should go up against and along the four sides of the inner part of the bare metal cutting template.) The fairing material is ABS plastic so this will be relatively easy. Clean up any rough edges and square up the corners of fairing material to match the template. Remove the screws, nuts and cutting template. Skip to **Install Ultra Vent and Frame:** step 10.

B) Cut Vent Opening using a coping saw or frameless hacksaw:

7. Within the opening of the cutting template, drill four small holes about 3/16" (larger if using a hacksaw) at each corner of the cut-out area. (The circumference of the holes should be within the bounds of the cut-out area and will be used to start the cut-out procedure and make the turns when using the saw.)
8. Now re-install the cutting template on the inside of the fairing lower and install a couple screws/nuts to stabilize. With a pencil draw a rectangle around the circumference of the inside of the cutting template on the inside of the fairing lower. (Hint: You can apply some masking tape to allow a pencil line to show better.) Remove the cutting template.
9. Using a coping saw or frameless hacksaw or other appropriate device, carefully cut the fairing along the outside of the marked rectangle making sure to remove all fairing within the inside area. (If using a coping saw, position the coping saw handle on the inside of the fairing. The fairing material is ABS plastic so this will be relatively easy. Carefully clean up any rough edges and square up the corners of fairing material. (The Ultra Vent with inner frame will assist in masking any irregular cuts so do not worry about minor irregularities.)

Install Ultra Vent and Frame:

10. With an Ultra Vent in a closed position and from the outside of the fairing, position the vent into the cut-out with the latch or open end towards the front of the motorcycle. (Rotate the vent slightly to fit vent tabs through the cut-out.) The vent should be able to open or close with the outer frame flush to the fairing.
11. From the inside of the fairing and with the vent closed, rotate and slide a finished frame around the vent tabs and into place flush with the inner fairing.
12. Insert two 1/2" screws from the outside of the fairing at the front corners of the vent (opposite the hinge). From inside the fairing and at the front corners of the frame, attach two washers, lock washers and nuts.
13. Insert two 1/2" screws from outside the fairing at the rear of the vent. (Do not attach washers, lock washers or nuts yet).
14. To attach the spring, open the vent. Inside of the fairing, at the hinge end of the inner frame, place the



spring arm into and against the open vent while placing the spring mounts over the rear screws. Use your thumb to press on the spring coils to align. Place a washer, lock washer and nut over each spring mounts and tighten slightly. (See photo ->)

15. Place the 5/8" screw, washer and latch insert through the latch. From the outside of the fairing, place the screw, washer, nylon insert and latch assembly into the center hole. From the inside of the fairing attach a washer and nylon lock nut.
16. Tighten the four corner nuts securely. Tighten the nylon nut until the latch is snug but easily movable. The nylon lock nut will hold this position. (The vent frame will mold slightly to the contour of the fairing lower.)
17. Check for free movement of the vent open and closed.

Lower Fairing Replacement:

18. Replace the lower fairing onto the engine guard using the procedure in your Harley-Davidson user's manual.
19. Repeat procedures 2 through 15 for the opposite fairing if you have a double Ultra Vent kit.
20. Check opening and closing your new Ultra Vent(s) by rotating the latch. Enjoy the added comfort and fresh air on future rides around town and on tour.
21. Remember to fill out and return your warranty registration and questionnaire card.

Caution!

You should stop and dismount the motorcycle prior to opening or closing the Ultra Vent by safely pulling off the road and coming to a complete stop at a location away from moving traffic.

We welcome your feedback! Please email your comments about this product or installation to support@eglidegoodies.com.

Harley-Davidson, Electra Glide, Tour Glide, Road Glide, Dremel and RotoZip are registered trademarks. eGlideGoodies has no affiliation with Harley-Davidson, Inc, Dremel or RotoZip. The use of these terms is for identification purposes only.