

HRI SQUARE BODY HIDE AWAY HEADLIGHT ASSEMBLY INSTRUCTIONS

1. Remove stock grille, grille trim, upper and lower valance, headlights, battery, battery tray* (if applicable) and fenders to expose radiator core support. *Note: Battery will need to be relocated.
2. Measure and mark radiator core support. The inside measurement/cut is as close the raise edge as possible (**Picture 1**). Move any wiring that may be in the way away from the area to be cut.
3. Cut out marked squares, using method of choice (grinder with zip wheel, body saw, plasma cutter, etc.)
4. Once cut, test fit sheet metal pan insuring that the pan slides inward far enough so that the outside edge of the pan is in-line with the outside edge of the core support (**Picture 2**).
5. Set sheet metal pans into core support and using the existing pan holes, mark the core support and then drill 3/16" holes into the core support at those marks. Using hardware (**Bag A**), secure pans* to core support with supplied 10/32 buttonhead allens and nyloc nuts. With supplied sheet metal screws, screw inner flange of sheet metal pan into edge of core support (**Picture 2**).
*Note: Top of sheet metal pan does not receive any 10/32 hardware, this portion of the pan will end up sandwiched between the core support and upper valance when upper valance is re-installed.
6. Take factory grille/headlight trim piece, flip upside-down and mark it to be cut (**Picture 3**). Cut out marked area* (**Picture 4**). *Note: This will be a visible area when installation is complete, take time and care when cutting. We recommend cutting with a zip wheel on a grinder, if at all possible.
7. Reinstall fenders and upper and lower valance. When reinstalling upper valance use supplied (**Bag A**) 5/16-18 buttonhead allens in the spots that are directly above sheet metal pan (**Picture 5**).
8. Remove any factory sheet metal screw clips from fender assembly and/or valance pieces that were used to mount the factory grille/headlight trim piece. With clips removed, hold up trim piece and mark any part of the tab on the fender or valance pieces that hangs past the edge of the newly cut trim piece. Grind or cut back tab so that it does not stick out past the trim (**Picture 6 & 6a**).
9. Next you will need the two motor and door assemblies and the hardware **Bag B**. Starting with the top slot in the sheet metal pan, place a thick fender washer on the 2" long allen bolt and pass it through the backside of the pan. Place second thick fender washer on the other side (sandwiching pan). Now place the 1 1/4" long spacer over the bolt and lightly thread through the headlight assembly. (**Picture 7**) For the bottom slot, repeat this process using the 1 1/4" long bolt and 3/8" thick spacer lightly threading into the bottom weldnut on the headlight assembly.

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Finally for the outside slot, repeat the process using the 4 1/2" long bolt stacking a 3" and 3/4" long spacer on top of a thick body washer and securing the assembly with the 5/16" nyloc nut. **(Picture 7 & 8)** Snug but do not yet tighten all the way as you will need to adjust the placement of these assemblies in later steps. Repeat entire process for other motor/door assembly. *Note: We have included an additional set of miscellaneous spacers and washers **(Bag C)** for this step. Though we have tried very hard to ensure that these spacer lengths are correct, we have found there are some variances from truck to truck and you may need to adjust these lengths for proper fit to your specific truck.

10. Now do a careful preliminary adjustment of the motor assemblies, getting them to open and close manually without having them rub on the fender or valance sheet metal. This will not be the final adjustment but will help get the arrangement close before the trim is reinstalled **(Picture 8 & 9)**.
11. With both doors carefully, manually opened, reinstall headlight trim piece using the 8/32 screws and nuts **(Bag D) (Picture 10)**.
12. The final adjustment can now be made for the headlight motor and door assemblies **(Picture 11 & 12)**.
13. To wire box and plug in the motors, mount the black control box on the **passenger side of the truck**. Under or next to the battery tray, on the backside of sheet metal pan is a great spot. Connect the red wire to a 12V source and the black wire to a good ground. Next plug in the headline connector and connect the plug from the box to the passenger side motor. Now route the harness across the radiator support to the driver side headlight are and plug into driver side motor. *****It is VERY IMORTANT that the headlight plug adaptor be plugged into the passenger side FIRST.*****
WARNING! Each time you connect your battery, the black control box must reset itself. It tries to close the headlight doors even if they are already closed. Stand clear while reconnecting your battery
14. Disassemble door units as well as the sheet metal pans and paint or powder coat to customer specifications. Be careful to keep track of all hardware as well as trim location, as each piece of trim ONLY fits in one specific spot. They look interchangeable, but they are not! Once painting is complete, reinstall by repeating steps above. The door trim piece locations are engraved on backside of each piece.

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*Note to installer:

Use Loctite on all fasteners. For the headlight doors, there is a "D" stamped in the driver side headlight door under the upper trim ring and a "P" stamped in the passenger side headlight door in the same place. This will help when reassembling after paint to ensure everything goes back where it belongs. Each piece has its location machined into the back of it.

Although we have put a lot of effort into making this an easy and successful install, there is no way we are able to account for every possible scenario. You will be installing our kit on a classic truck with reproduction or a mix of original and reproduction parts made by a variety of manufactures. Use the assembly sheets and photos as a guide however you may have to shim parts, bend brackets, oblong holes and/or do other things necessary to make a perfect fit.

We really appreciate your business and if you have any questions, please feel free to call HRI.

Thank you,

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