

HRI HIDE AWAY HEADLIGHT ASSEMBLY INSTRUCTIONS

1. Remove stock grille and grille surround, headlights, battery, battery tray* (if applicable) and fenders to expose radiator core support. *Note: if stock battery tray and placement is to be used, see step 11.
2. Mount supplied template to radiator core support (**Picture 1**), bolting to marked side. Use mounted template to mark core support areas to be cut. 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. You will now need to remove a section of the inner upright support on the backside of the radiator support. You are only removing the “face” of the piece not the “side” or the radiused corners (**Pictures 2a, 2b & 2c**). Start by measuring 2 3/8” down from the bottom of the top flange of the radiator support (**Picture 2d**). Once that top line has been marked, measure 11 1/2” down from that mark to get the bottom line (**Picture 2e**). Remove this piece the same way you removed the piece from the front side of the radiator support. ***NOTE: You may have to open up the sheet metal cut out slightly to get the pan to fit properly. Taking your time here will result in a better fit and finish.
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. Secure pans to core support using supplied 10/32 buttonhead allens and nyloc nuts in Bag A. (**Picture 3**)
6. 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 1 1/2” 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 7/8” long spacer over the bolt and lightly thread through the headlight assembly. (**Pictures 4a, 4b & 4c**) For the bottom slot, repeat this process using the 1” long bolt and 3/8” thick spacer lightly threading into the bottom weldnut on the headlight assembly. (**Picture 4d & 4e**) Finally for the outside slot, repeat the process using the 4” long bolt stacking a 3” long spacer on top of a thick body washer and securing the assembly with the 5/16” nyloc nut. (**Picture 4f**) 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.

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7. You can now reinstall the fenders and start preparing the factory grille surround for the headlight doors. *****NOTE:** Make sure to use the black metal spacers (Bag C) between the plastic grille retainer clips and the sheet metal grille itself. These are to make up for the thickness of the original plastic grille. Start by temporarily installing the new center grille into the surround using only a few plastic clips for now as the grille will have to be removed again. Place the supplied template on the headlight area of the surround, centering one end within the overall height of the center grille. **(Picture 5a)** Line the other side up with the flat flange on the outside edge of the headlight opening in the surround. **(Picture 5b)** Mark surround to be cut by tracing template. Remove center grille section and cut surround on the marked line. **(Picture 5c)** A small fine blade air saw, hacksaw blade or zip wheel may be used. Please note that the surround is made of very soft material and great care must be taken when cutting. You may want to remove the mounting brackets from the backside of the surround or at least be very careful to not cut into them while trimming the surround. The template will get the opening very close to the final shape it will need to be. You may have to trim the opening in some places to get the fit perfect. The more time you spend here the better the final fit will be.
8. *****NOTE:** Again, make sure to use the black metal spacers between the plastic grille retainer clips and the sheet metal grille itself. These are to make up for the thickness of the original plastic grille. Reinstall the center grille into the surround. With both headlight doors manually moved into the "open" position, reinstall the surround into the truck. Moving one side at a time, carefully manually close the headlight doors. Adjust the headlight and door assemblies by moving them around in the sheet metal pan adjustment slots until they fit properly and can open/close without rubbing on the surround. At this time additional trimming of the surround or doors may need to take place to get the fitment correct.
9. 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.*** (Picture 6)**
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

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10. Disassemble grille and 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.
11. If factory battery tray is to be used, it must be modified as follows: Measure back 2 ½" from the right-side panel of the battery tray. **(Picture 7a)** Cut at line. Remount battery tray to truck using the factory bolt in the top mounting hole near the radiator and the 2 shorter supplied flange bolts in Bag D for the middle and bottom mounting holes. Reattach both through bottom of wheel well into bottom of battery tray. Next measure approximately 1 ¾" from top of right side of piece **(Picture 7b)** Hold up supplied L bracket in Bag D centering the hole on the bracket with the line marked at 1 ¾" **(Picture 7c)** Mark holes to be drilled on the battery tray and sheet metal pan **(Picture 7d)** Mount L bracket to the battery tray and sheet metal pan using supplied buttonhead allens and nyloc nuts **(Bag D)** **(Picture 7e)** Completed unit **(Picture 7f)**

*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. We have also included a list of where each trim piece goes. Each piece has a number machined into the back of it. **(See Trim List)**

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,

Dave Hays Jr., Owner

916-206-6809

hotrodinnovations@yahoo.com

TRIM LIST

DOORS:

- M009-1 - Passenger Side Upper Trim Piece
- M008-1 - Passenger Side Lower Trim Piece

- M009-2 - Driver Side Lower Upper Piece
- M008-2 - Driver Side Lower Trim Piece

GRILLE:

- M010-1 - Passenger Side Upper Trim Piece
- M007-1 - Passenger Side Lower Trim Piece

- M010-2 - Driver Side Upper Trim Piece
- M007-2 - Driver Side Lower Trim Piece