



El Camino/Malibu Nose Assembly

All Honest Charley products must be pre-fit to the vehicle before installation, modification or painting. Any alteration voids warranty. Do not attempt installation until you have carefully read and completely understand the installation instructions.

If you have questions or need installation assistance, please contact Honest Charley Speed Shop at 423-326-0505.

Honest Charley makes no warranty or assumes any liability implied or otherwise that this product offers any protection whatsoever in the event of an accident or crash. The purchaser or installer assumes all responsibility for suitability of purpose.

Your vehicle may have metric bolts and speed clips. Fasteners supplied with this kit are U.S. fine or coarse threads and are not metric.

Always wear eye protection before you cut, drill, file or grind metal, fiberglass or other body components. Small fragments of metal and fiberglass material can puncture skin. Handle with care.

Vehicle Preparation

Before removing any components, visually inspect and familiarize yourself with existing hood gaps and fender-header panel alignment etc. Pay particular attention to how well your OEM factory parts fit. If your vehicle has been wrecked or has body or other damage now is the time to become familiar with your vehicle's current state of fit and finish. Reasonable expectations before you begin will make for a more satisfying result later.

1A. Remove left and right header panel support brackets located on top of the radiator core support.

2A. Remove front spoiler, bumper, aluminum bumper mount plate, metal and flexible filler panels behind bumper, grille assembly and header panel. It is not necessary to actually remove the grille from the header panel. Remove the spring clips from the front fender flanges. Set aside for use later.

If the vehicle has front wheel well trim, loosen the trim at the lower front. The plastic trim clip can be removed later if it interferes with the nose extension and prevents the extension from laying flat against the fender. Keep all attaching hardware; some fasteners will be used during assembly.



3A. Use a hacksaw to cut off the bracket (tab) that extends forward on the upper front of each front fender. Cut flush with core support. File smooth. Paint if desired to prevent rust.

4A. The two (2) aluminum bumper mount plates should be modified as indicated. These plates have been stamped R (passenger) and L (driver) at the factory. These markings will be removed during modification. Identify these plates elsewhere to help identify the driver or passenger side later.

5A. Locate and remove the small marker light bulbs. These will not be used. The sockets and wires can be removed or secured out of the way.

Vehicle Preparation

6A. Modify (cut) the front bumper as shown in (**Figure 1**). These dimensions are not critical. A sabre saw or cutting torch will do an excellent job. File smooth, if desired. Exposed edges can be painted to prevent rust. The size of the cut-out area can be enlarged later if necessary. After installation, the bumper and the trimmed edges will not be visible.

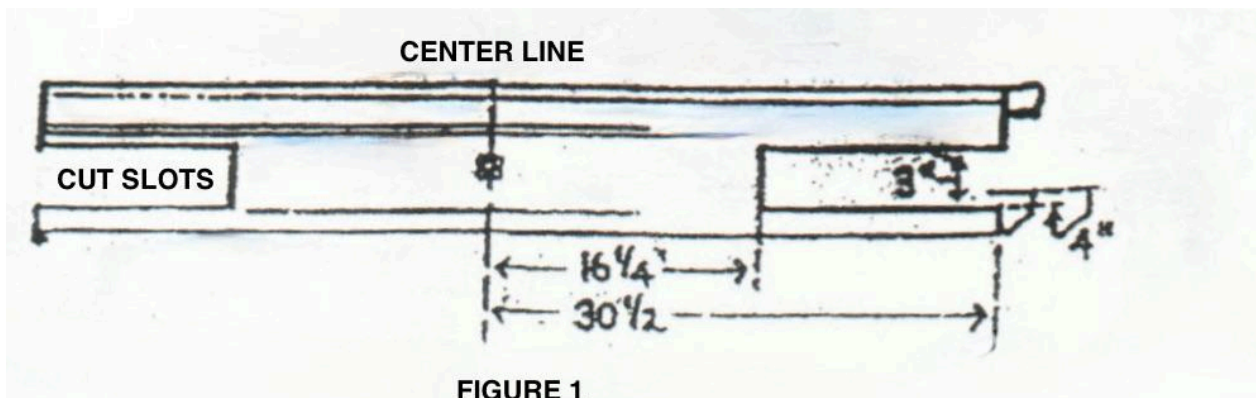


FIGURE 1
BUMPER MODIFICATION

A) Measure from CENTER LINE 30 1/2" to each side (Overall length is 61"). Cut off ends.

B) Pull tape around to front 4 inches from back bottom lip of bumper. Inscribe bottom line.

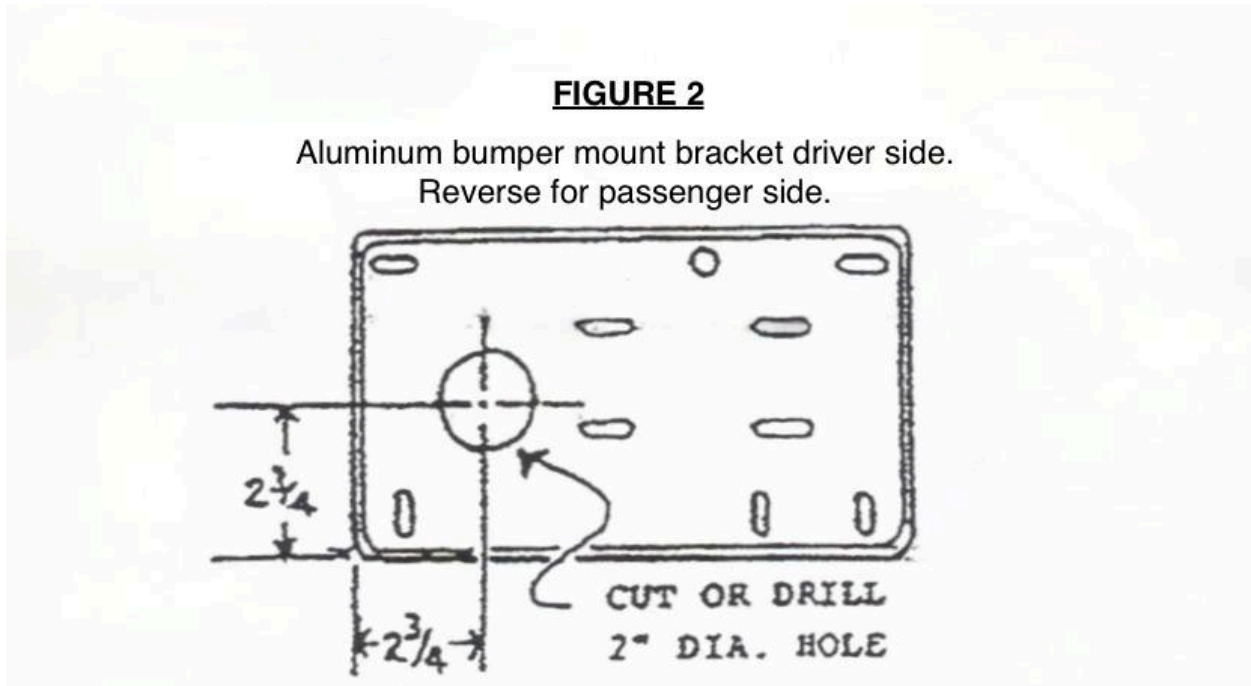
Measure around 3 more inches (seven inches total). Inscribe top line.

Measure from center line 16 1/4 inches & inscribe vertical lines.

Cut slots to clear parking lights.



7A. Drill or cut two (2) – two-inch diameter or larger holes in the aluminum bumper mount plates (Figure 2).



These holes provide access for the parking light sockets.

The exact location may vary slightly from vehicle to vehicle. If after modification the holes do not align with the socket hole in the parking light housing they can be enlarged or elongated as required.

Install the modified ALUMINUM BUMPER MOUNTING PLATES on the bumper. The large drilled (cut) holes go to the outside. The small round factory hole goes at the top. The Marker Lamp Sockets must extend through the plate so that the Marker Light Bulb can be installed or replaced.

8A. Install modified bumper with modified aluminum mounting plates.

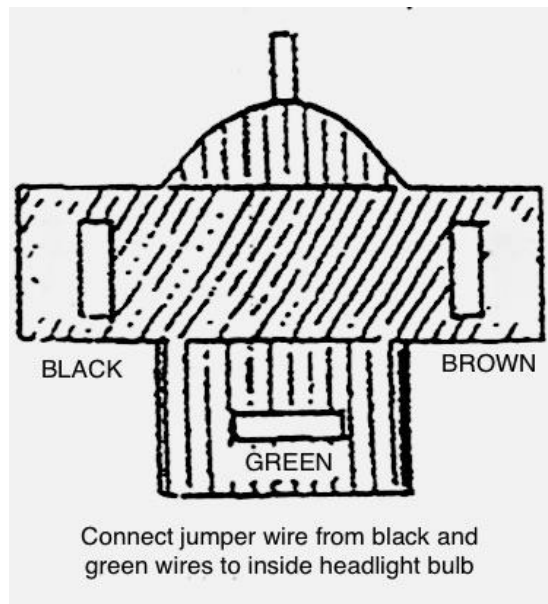
Tech Tip: You can simplify installation of the nose assembly by installing a bumper unit AFTER you have performed the INITIAL installation of the nose assembly. Then you can install the bumper unit prior to FINAL assembly.



Headlight - System

If your vehicle has two (2) factory headlights, it will be necessary to modify your electrical wirings to operate the four (4) Headlight System. Driver and passenger side headlamp electrical sockets and wiring must be modified as indicated below.

1. View the O.E.M. headlight electrical plug from the front as shown in the drawing below.
 - a. Use a small pocket knife (or equivalent) to release the tangs that secure the electrical wires into the back of the electrical socket.
2. Relocate wires on the plug to locations shown below.



3. Connect the modified electrical plugs to the outside headlight bulb in each headlamp assembly. At this time, it is not necessary for the headlamp assembly to be installed on the vehicle.
4. Wire the inner headlight bulb to the black and green wires going to the outside headlight bulb electrical plug. Use two 16 G jumper wires per side. Use an O.E.M. style headlight plug (available at most auto part stores) or two 16 G insulated female connectors to connect the bulb. Use scotch-loc connectors to splice into the black and green wires going to the outside headlight bulb.
5. The outside headlight bulbs will operate on high-low beam.
The inside headlight bulbs will operate on high beam only.

Note: If the outside bulbs do not work properly after moving the wires in the socket as indicated in step 1-3 (and in the drawing) - rotate the 3 wires around the plug to another position and test again. The jumper wires for the inside bulbs will still connect to the black and green wires.



MATERIAL REQUIRED

- 4 18-14 scotch-loc connectors
- 4 16G insulated female connectors (or O.E.M. style headlight plug)
- 4ft 16G electrical wire.

Installation

Your custom components nose assembly is shipped fully assembled.

Depending on the vehicle, additional hardware or electrical wire or connectors may be required and can be obtained from most automotive parts stores.

1B. For ease of installation, remove the driver and passenger headlamp bucket assemblies as a complete unit.

Each headlamp assembly consists of high and low halogen headlight bulbs with attaching hardware and adjusters pre-mounted to the fiberglass headlamp bucket.

Each bucket assembly is attached to the nose with two (2) Phillips head screw at the topside and by two (2) 7/16 hex nuts with flat washers at the lower side.

Remove the two (2) Phillips head screws and 7/16 nuts and washers.

Gently remove each headlamp bucket assembly as a unit and set aside.

2B. Remove the six (6) Phillips screws that secure the grille to the nose. Gently remove the grille and set aside.

3B. Place nose onto front of vehicle.

Center nose on radiator core support by placing passenger side of nose extension into fender well area and rotate nose across vehicle and into position.

If the vehicle has front wheel well trim, remove trim or move front of trim out of the way.

Remove plastic trim clips if they cause interference.

Center nose to radiator core support.

Align with top edge of both front fenders.



Clamp nose in position or otherwise hold in position.

4B. With nose aligned with top front fenders, reach through the headlight openings and accurately mark the locations of the three (3) fender mounting holes using the holes in the fiberglass/composite nose as a guide.

5B. Remove nose.

Center punch mounting holes are somewhat larger than ¼" or similar bolts that will secure the nose to fenders. This will provide for up and down and side-to-side adjustment.

Tech Tip: If during final assembly, additional adjustment is required, the holes may be enlarged or elongated as needed to accommodate adjustment.

6B. Replace headlamp bucket units in nos. Tighten two (2) Phillips screws and two (2) 7/16" hex nuts carefully.

7B. Install nose onto vehicle.

Align with top of fenders.

Attach with three (3) hex bolts to each side. Place bolt head and flat washer behind metal fender lip with bolt head to the rear and threads facing forward. Secure with hex nuts and lock washers.

Note: Two of the spring clips removed during vehicle preparation can be installed in the top bolt holes of each fender. If spring clips are used, use OEM bolts (to match threads in spring clips). Position clip so that you can feed top bolt toward rear through fiberglass mounting flange and thread into clip (opposite of the direction the two lower bolts will face).

8B. Align nose with fenders and tighten six (6) vertical bolts/nuts. Do not over-tighten.

Tech tip: Some knowledgeable installers position the nose during final assembly so that the nose is slightly wider and higher than the front fenders. The nose can then be sanded to exactly match the contour of the front fenders.

9B. Secure the top nose mounting flange to the radiator core support using factory bolts. In some cases, slightly longer bolts may be required. If your vehicle used metric bolts originally, be sure the longer bolts are metric also. Use care and do not over tighten.

To slightly lower the center section of the nose tighten bolts down. Only a very small downward adjustment can be obtained - so use care.



Use flat washers or shims to raise (slightly).

Place flat washer or shims between top surface of nose and core support as necessary so that all space is taken up between the nose and core support when adjustments are complete.

Tech Tip: If spaces are required to lift top edge of nose (slightly), first place flat washers or shims on the outside topside of the nose to determine thickness and offset amount. Then move spacers to underneath the nose mounting flange.

10B. Tighten all fasteners securely. Do not over-tighten.

11B. Fasten the driver and passenger nose extensions that extend back into the fender wheel radius with two (2) sheet metal screws each side.

Bend the fender in or out a small amount at the bottom if necessary. Do not over-tighten screws. Use flat washer as spacers if necessary.

Check for tire and wheel clearance, particularly on lowered vehicles or on vehicles with wide tires or offset wheels. Trim fiberglass or check alignment or A-frame position if interference can occur.

12B. Modify headlight/parking light wires if required. Vehicles with two (2) factory headlights must be wired for four (4) headlights. Refer to instructions.

In some cases the parking light wires may need to be extended a few inches. Before extending wires check to see if additional length can be obtained by moving factory wire loom slightly.

Connect headlights.

13B. Install modified bumper if not previously installed.

Plug in parking lights. The OEM parking light socket will lock into the parking lamps with trial and error effort. Aftermarket parking light sockets are available at most auto parts stores may provide a more secure fit.

14B. Check headlights, parking lights and turn signals to ensure proper operation.

Verify that hood is down and latched properly.

Adjust headlights for lawful and safe operation.

Recheck all fasteners.