

**READ ALL INSTRUCTIONS COMPLETELY AND THOROUGHLY UNDERSTAND THEM BEFORE DOING ANYTHING.  
CALL CHASSISWORKS TECH SUPPORT (916) 388-0288 IF YOU NEED ASSISTANCE.**

# INSTALLATION GUIDE



## 5907-34X21

### 34" x 21" Muscle Car Builder Wheel Tubs



**Description:** Builder wheel tubs - 34" diameter x 21" wide, 18-gauge steel with radiused corner and offset lip for overlapped seam; 3-1/4" extra skin length past end cap. Shipped unassembled for easier installation.

#### **WARRANTY NOTICE:**

There are NO WARRANTIES, either expressed or implied. Neither the seller nor manufacturer will be liable for any loss, damage or injury, direct or indirect, arising from the use or inability to determine the appropriate use of any products. Before any attempt at installation, all drawings and/or instruction sheets should be completely reviewed to determine the suitability of the product for its intended use. In this connection, the user assumes all responsibility and risk. We reserve the right to change specification without notice. Further, Chris Alston's Chassisworks, Inc., makes **NO GUARANTEE** in reference to any specific class legality of any component. **ALL PRODUCTS ARE INTENDED FOR RACING AND OFF-ROAD USE AND MAY NOT BE LEGALLY USED ON THE HIGHWAY.** The products offered for sale are true race-car components and, in all cases, require some fabrication skill. **NO PRODUCT OR SERVICE IS DESIGNED OR INTENDED TO PREVENT INJURY OR DEATH.**

Chris Alston's Chassisworks  
8661 Younger Creek Drive  
Sacramento, CA 95828  
Phone: 916-388-0288  
Technical Support: [sales@cachassisworks.com](mailto:sales@cachassisworks.com)



# PARTS LIST

## 5907-34X21 - Builder Wheel Tubs, 34" Diameter x 21" Wide

Qty	Part Number	Description
1	2208	Contour tracing tool
2	7972-2187	Wheel tub radiused end cap, half circle
2	7972-2191	Wheel tub skin, 34" x 20", 18-gauge

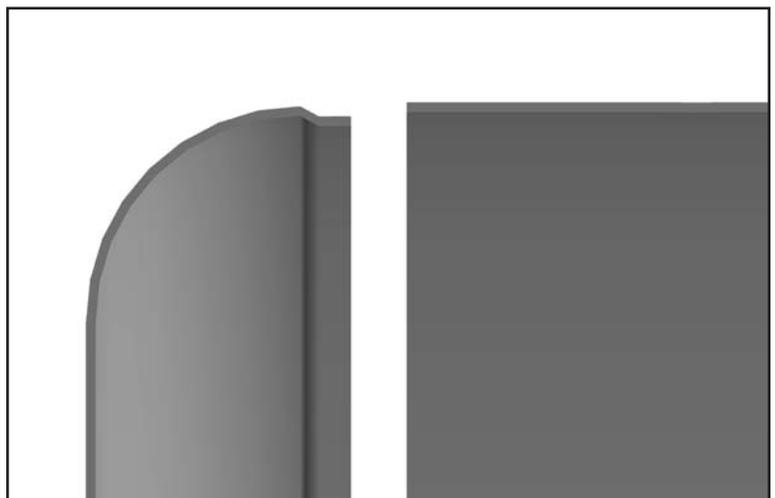
## INSTRUCTIONS

- The HOW TO Hot Tub tech article is provided for additional detail on measuring for the initial tub shape and use of the including Contour Tracing Tool.
- Do not destroy the shipping carton, it will be used for patterns. Read and understand the instructions before starting.
- All rear suspension components and fuel tank must be removed before beginning installation. The chassis must be bare.
- Seats, carpet and interior panels must be removed to reduce the risk of fire during installation.
- Panels can be bead rolled for additional strength and custom appearance before they are assembled.
- All seams and joints should be initially spot or stitch welded prior to completing the welds.

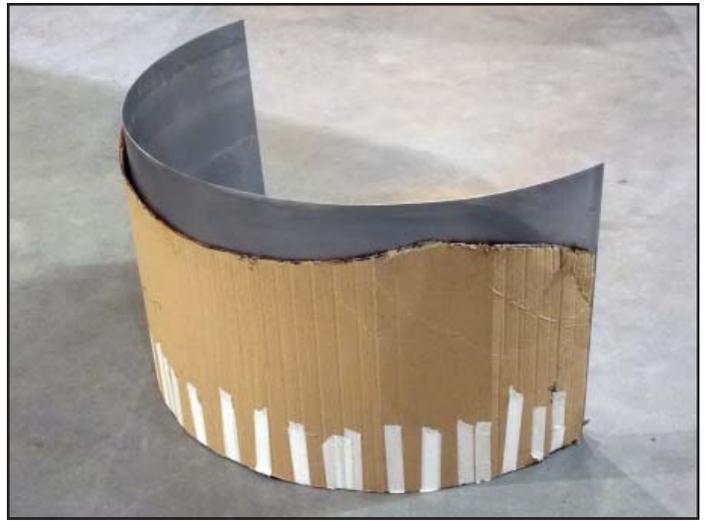
1. Wheel tubs are shipped as easy to assembly two-piece units.



2. The tub end cap features a radius rolled along the outside edge with offset shoulder to form an overlapped joint with the tub skin. This feature makes the seam easier to align and weld with a clean finished exterior appearance.



3. A cardboard mock-up is built as a cutting template for the actual wheel tub. The tub end cap outline is traced onto cardboard then cut out. The tub skin is traced onto cardboard so that the bend will form across the cardboard grain.
4. Trim the cardboard tub skin to fit closely against the quarter panel.
5. Interior panels that interfere with the cardboard tub skin must be trimmed for clearance at this time.
6. The cardboard tub cap is trimmed to follow the bottom edge of the frame rail.
7. After removing the cardboard mock-up from the car, place against the sheet metal end cap and skin, then trace the outline onto the sheet metal.



8. Trim the sheet metal to the correct shape.
9. The wheel tub is assembled by welding along the outside seam. Sand weld smooth to provide a more finished appearance.

10. Staggered holes for the tub-to-frame rosette welds are marked and drilled along paths drawn  $\frac{1}{2}$ " from the edges of the frame rail. *The large hole in this image aligns with a threaded boss used for the anti-roll bar.*



11. The wheel tub is ready to verify final fit and tack into position.



12. Once in the correct position, the rosette welds are completed.



13. The back of the tub is supported by the trunk floor panel. Use silicone sealant to attach tub skin to inside of quarter panel to complete the wheel tub installation.



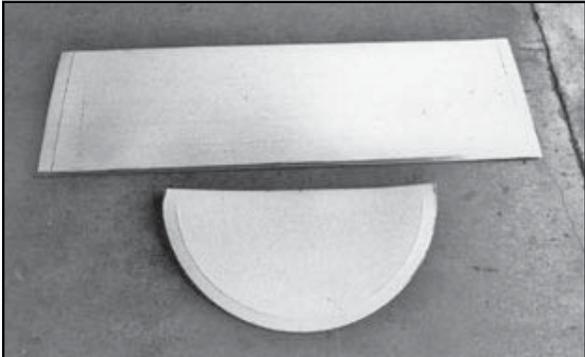
# HOT TUB HOW TO

Buyers, beware: All wheel tubs are not created equal! The first mistake to be avoided is buying from anything but a reputable manufacturer. Along with the finest-quality steel or aluminum tubs available, Chassisworks customers receive accurate, detailed instructions; reinforced shipping containers, designed specifically for this product; and protective plastic covering on all outside surfaces, preventing scratching during installation.

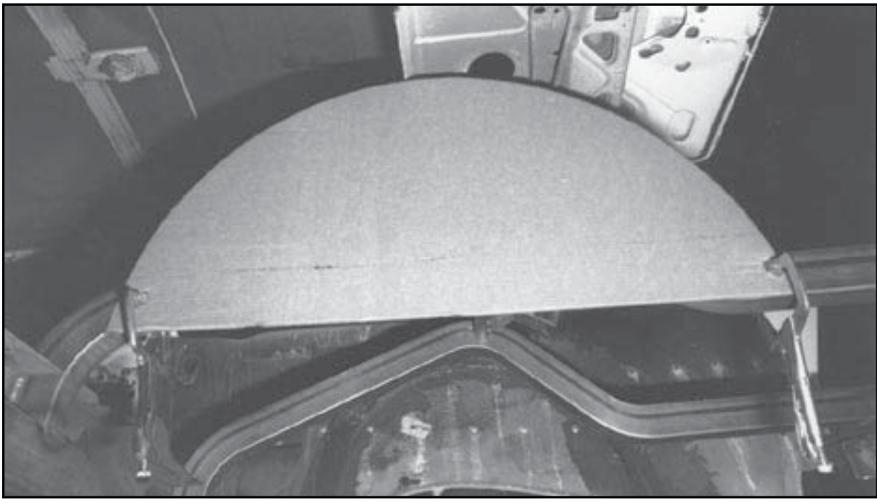
Price is always a consideration, of course. Expect to spend about \$100 for a pair of quality tubs, plus freight. Warning: shipping time, freight charges and handling can vary dramatically from one manufacturer to the next.

Most Chassisworks tubs are shipped unassembled, for several reasons. If you insist upon a pair of fully assembled tubs – which come in cardboard boxes too large for the United Parcel Service to handle – prepare to spend \$100 to \$150 for freight alone! You can also expect less-than-gentle treatment from the trucking company. Unassembled, the same set of

## Install Your Own Steel Or Aluminum Wheel Tubs!



**1** Here's one aluminum wheel tub as it comes out of wood-reinforced Chassisworks box. Thin plastic material protects both outside surfaces during trimming and installation.



**2** The cardboard shipping carton is used to make templates for each side of the vehicle. This section was made by tracing the end piece of the actual wheel tub onto the carton. The carton was then cut to exact size, and clamped against the Chassisworks subframe, as shown.



**3** Next, Chassisworks installer Jimmy Berg traces the frame outline onto the inside of each cardboard end piece.

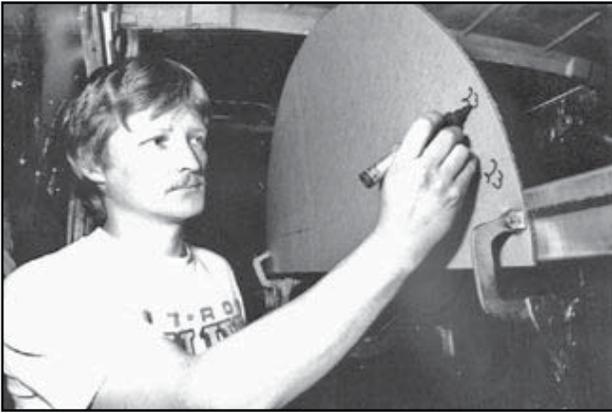


**4** Starting at the back, Berg measures the distance between the cardboard end piece and the quarter panel every few inches along the semicircle.

tubs can be shipped in one flat, tightly packed box for about one-fourth the cost: UPS will deliver this Chassisworks

package right to your door for about \$50. Plus, the pieces typically arrive both sooner and in better condition.

# HOT TUB HOW TO



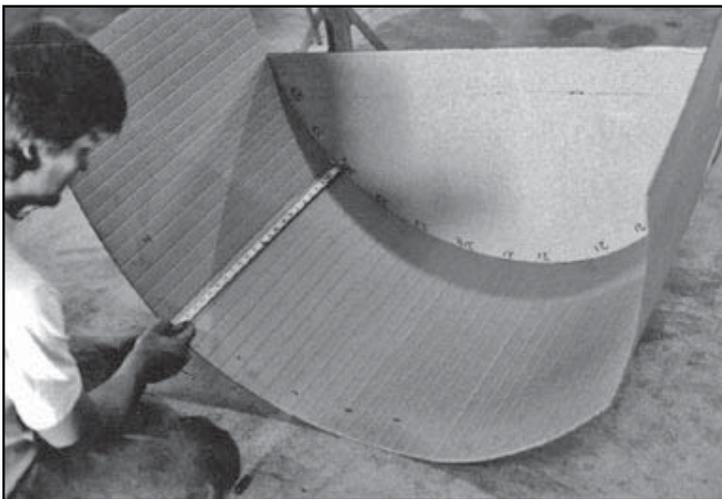
**5** At each measuring point, Berg marks the exact distance from the quarter panel onto his cardboard template.



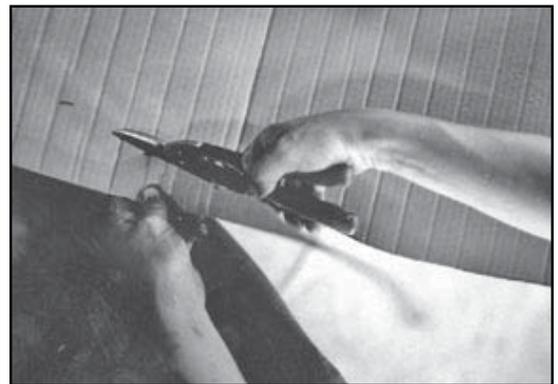
**6** A straight, 24-inch-wide piece of cardboard will simulate each wheel tub's rounded top section. This pass through the Chassiswork metal roller made the cardboard easier to bend into an arc.



**7** Now the two cardboard sections are joined together with strips of masking tape.

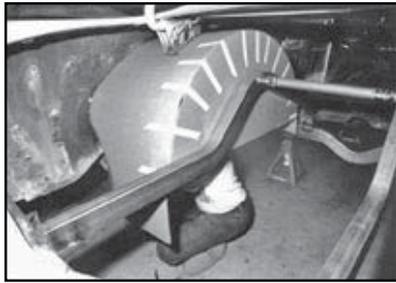


**8** Directly opposite each measurement on the end piece, the corresponding distance is marked on the top section. These marks will form a dotted "cut" line.

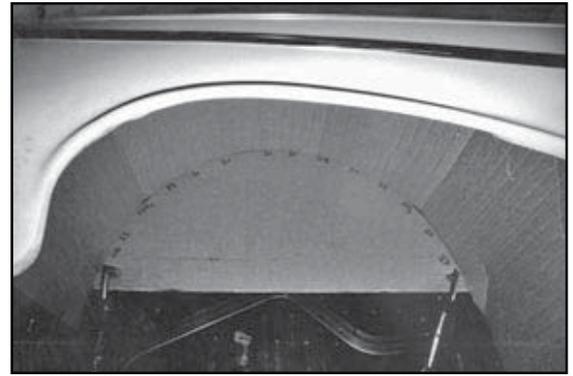


**9** Cutting along the dotted line, Berg trims excess material from the top section.

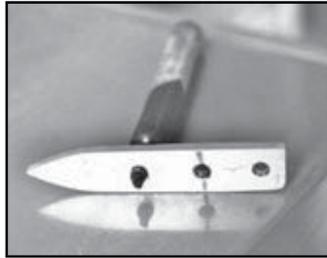
# HOT TUB HOW TO



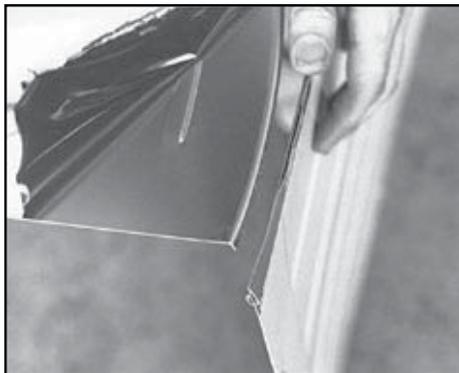
**10** The assembled cardboard tub is clamped in place for final measuring and trimming.



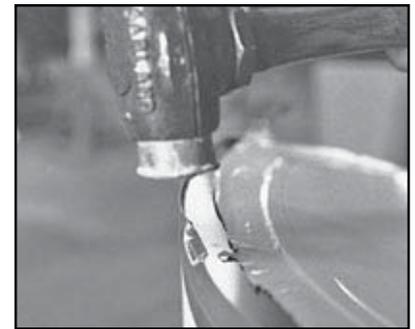
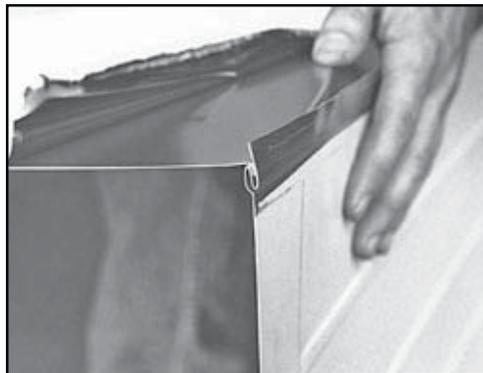
**11** The secret to a clean, accurate installation is the included contour tool. The felt tip of a marking pen protrudes through the hole selected and enables a perfect line transfer.



**12** On each side of the body, Berg drags the contour tool along the inner quarter panel. As the point of the tool follows the body contour, the marker draws a corresponding black line onto the cardboard top section.



**13** Now it's time to assemble the uncut metal tubs. After peeling back the edge of the plastic coating (visible at top left of photos), the two preformed edges are fit together as shown.



**14** A hammer is used to flatten the edge every few inches, joining the two sections. The rest of the protective plastic remains on the tub.

By carefully following each of these installation steps, virtually anyone can custom-fit a pair of Chassisworks wheel tubs. The same procedures apply to aluminum and steel tubs alike. No special tools are required, and the shortcuts shared here should eliminate several hours – and all mistakes – from the typical first-time “tub” job. Our in-house chassis shop allocates

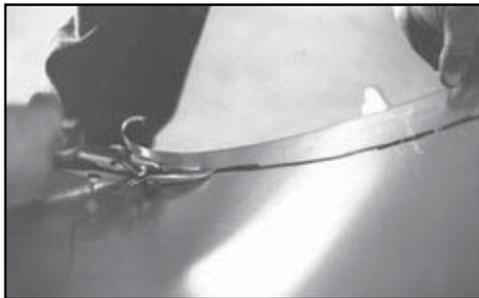
two full days for a relatively simple application, such as the shoebox Chevy pictured on these pages. Slightly more time is involved with “tubbing” a typical late-model machine, whose smaller body may present additional installation challenges.

Of course, the end result certainly justifies such modest investment of hours and dollars!



**15** Next, the cardboard assembly is removed from the car and slipped inside the wheel tub. Reversing direction of the contour tool (but using the same hole as before), Berg transfers the body contour from the cardboard onto the metal top section, as shown. Consequently, the black line on the left becomes the actual cut line for the metal tub.

# HOT TUB HOW TO



**16** Following the new line, Berg trims the rounded section of the tub to final size. Prior to trimming the flat end piece (to follow the shape of the frame roll), he recommends a trial fitting of the assembled tub on the vehicle.



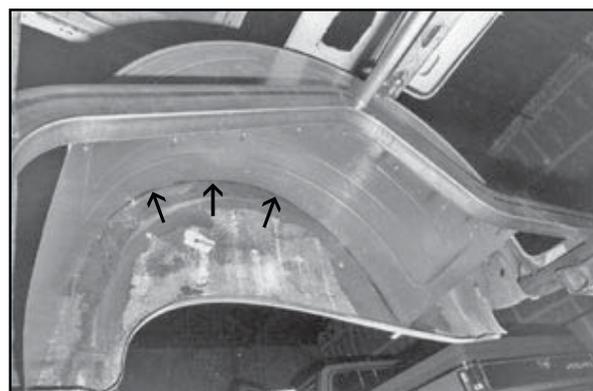
**17** With the rest of the protective plastic peeled away, a hammer is used to complete the bead.



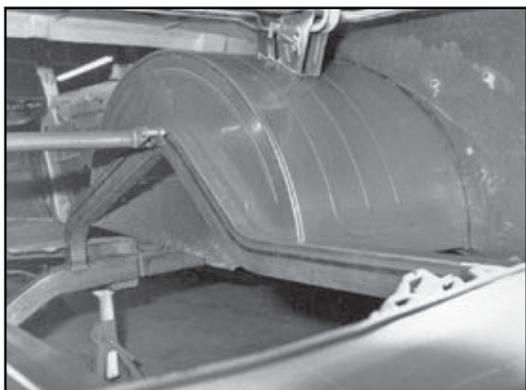
**18** Each fully trimmed tub can be temporarily clamped or clipped to the frame while mounting holes are drilled 1" up from the frame, 2" apart for mounting rivets. (Note the Cleco pin attaching this tub at the frame's bend.)



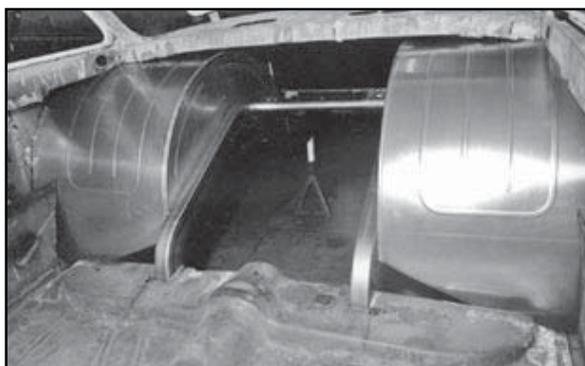
**19** No installer should be without this inexpensive tool (available from Chassisworks). Reusable Cleco clips hold tin securely in place prior to and during the actual riveting.



**20** Nine Cleco clips temporarily attach the wheel tub. Ultimately, each will be replaced with a blind rivet, and a bead of silicone will seal the tub's rounded edge to the quarter panel.



**21** Careful forward positioning of the new tub ensured uninterrupted operation of the original '57 Chevy trunk hinges. (In other applications, some modification of the stock hinges may be required.)



**22** Here's a hot rodder's version of a "hot tub in the back." Together with a universal Chassisworks subframe, the new tubs nearly doubled this vehicle's original tire capacity.