



S&W Race Cars and Components, Inc.

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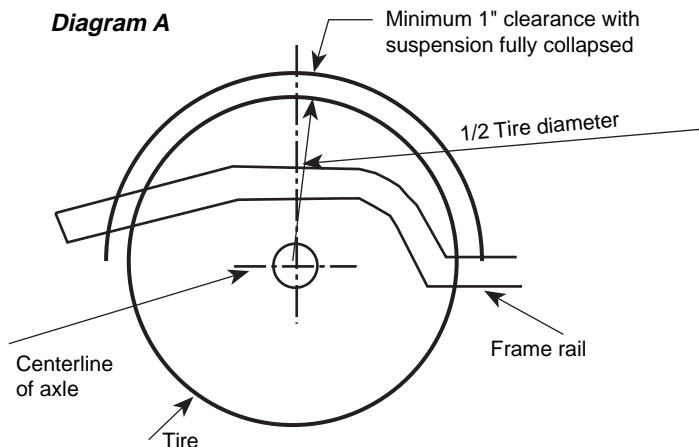
FAX: 610-948-7342

CAUTION!!! - The most important requirement for a successful installation of this, or any, S&W chassis component is that you take your time and use good common sense. Check & recheck all measurements before cutting or welding. If you have any questions, before or during the installation - **STOP** - and call our tech line at 610-948-7303 and we will gladly explain in more detail any step in the installation.

Please read complete instructions thoroughly before beginning!

WHEEL TUB INSTALLATION INSTRUCTIONS

- 1.) Raise & support car. Remove rear tires and all flammable materials from the rear of the car. Cut out stock wheel wells. Trim stock floor from well opening to frame, so that is flush with the frame rail. Grind all slag, rust and dirt from the inner body panel. If you are installing these wheel tubs in conjunction with an S&W rear frame package, it is possible that most of these steps were complete in the installation of the rear frame. It is important, however, to make sure the inner body panel is clean.
- 2.) To find the top position of the new wheel tubs the suspension must be fully collapsed, **not at ride height**. With the suspension collapsed, measure from the top of the axle tube straight up, 1/2 the tire diameter **plus a minimum of (+) 1 inch**. This will be the location of the top of the wheel tub directly over the axle. See diagram A
- 3.) On your new wheel tubs make a mark (magic marker works fine) every two (2) inches along the circumference of the side panels.
- 4.) Place the side panels in the car, bent edge facing out, against the outside of the frame. Locate the top of the panel at the distance measured in step 2. The bottom edge is to be centered over the axle tube. You may have to notch the bottom of the panel to clear the axle tube. **Do not permanently attach the side panels at this time, Use c-clamps or an S&W cleco kit #85-900 sold separately.**
- 5.) Mark a line on the side panel, along the bottom edge of the frame rail. Also mark a line on the frame rail at the front and rear edge of the side panel. Label the side panels, left and right, so that you do not confuse them during reassembly.



- 6.) Place a carpenter's square on the side panels and mark the floor at the front and rear of the panel, where it must be cut to accommodate the wrappers. It may be necessary to trim the rear seat brace or trunk hinges to clear the wrappers. **See photos #1, #2 and #3.**



Photo 1



Photo 2

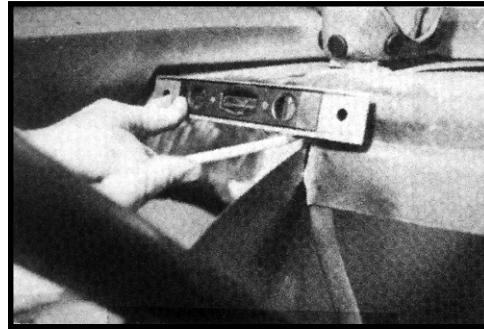


Photo 3

- 7.) Starting at the front edge of the side panel, measure from each mark, along the edge, out to the body. Care must be taken that the measurements are square with the side panels. Write the measurement under each mark on the panel. **See photos #4, #5, & #6.** Repeat on the other side. When this is completed, remove the side panels from the car and trim floor as needed.

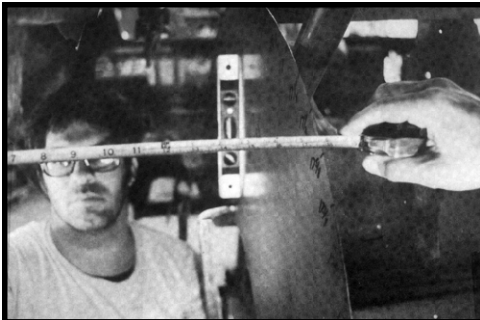


Photo 4

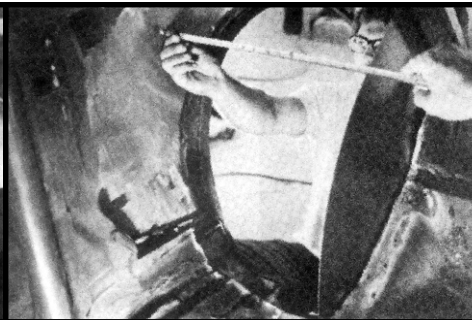
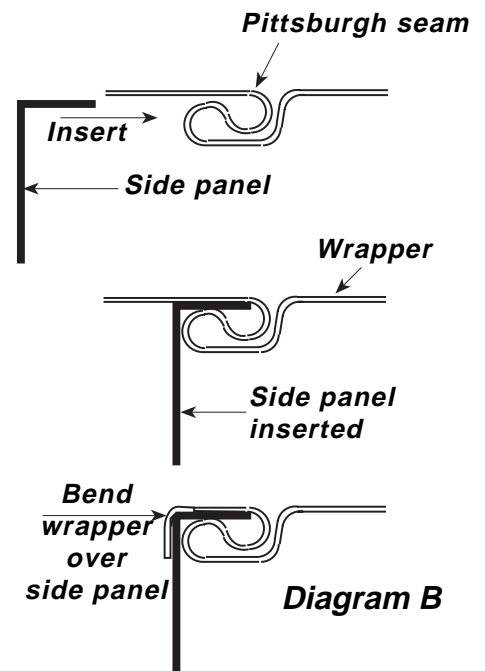


Photo 5



Photo 6

- 8.) Assemble the wheel tubs. The side panels have a bent edge and the wrappers are formed with a Pittsburgh seam. When properly assembled, they create a very strong joint. It is easier if two people work together to assemble the wheel tubs. Starting at the front insert the bent edge of the side panel into the Pittsburgh seam. It may be necessary to open the seam slightly with a screwdriver. Next, working from front to rear, use a hammer to tap the edge of the Pittsburgh seam over the side panel. **See diagram B.** Note; It is intentional that the wrappers are not long enough to reach from front to back.



- 9.) With the tubs assembled, measure out from each of the marks you made on the side panels the distance measured in step 7, and make a mark on the wrapper. When all measurements are marked on the wrapper, draw a line connecting the marks. **See photo 7**

- 10.) Follow the instructions below for trimming the wrappers, depending on whether you purchased steel or aluminum wheel tubs.

Steel tubs: Trim edge one (1) inch out from the line drawn in step 9 to allow material for fastening. Next cut "V" shaped wedges from the edge to the line. Space the wedges 1" to 2" apart. Use a pair of pliers to bend the tabs down.

Aluminum tubs: Trim along the line drawn in step 9. No extra material is needed for fastening.

The back edge of the wrappers can be trimmed diagonally from the frame to the lowest point on the body, or cut off straight across from the frame rail. **See diagram C.**

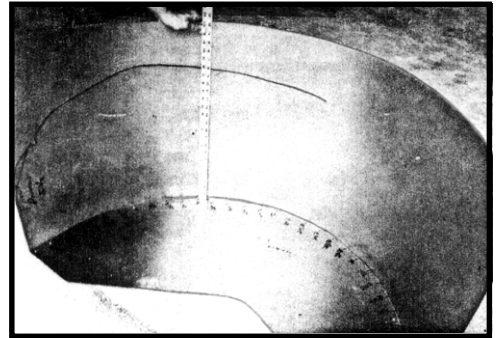


Photo 7

Diagram C

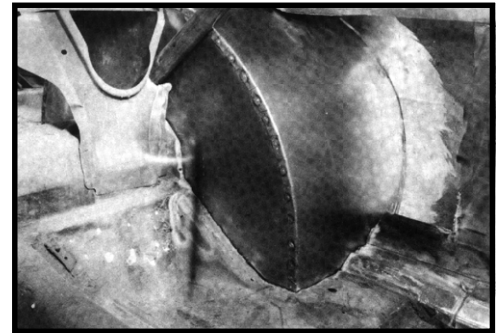
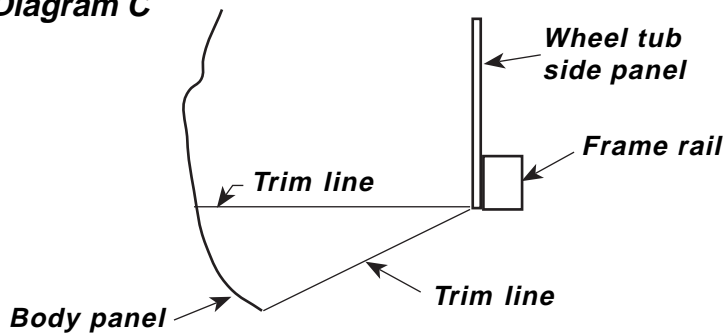


Photo 8

- 11.) Install the assembled and trimmed tubes into the car. **BE PATIENT.** Properly trimmed wheel tubs fit very tightly between the frame and the body. Forcing the wheel tubs in place may kink or bend them. **See photos #8 & #9** Line up the side panels with the bottom of the frame and the mark at the front and rear. Tack weld or pop rivet the side panel to the frame.

Steel tubs: Attach the wrappers by welding the bent tabs to the inner body panels.

Aluminum tubs: Use seam sealer or silicone RTV to attach the wrappers to the body.



Photo 9



**Thanks again for choosing
S&W Race Cars
Tech & Info line 610-948-7303**