



S&W Race Cars and Components, Inc.

11 Mennonite Church Road
Spring City, PA 19475

TECH & INFORMATION: 610-948-7303

ORDERS: 1-800-523-3353

FAX: 610-948-7342

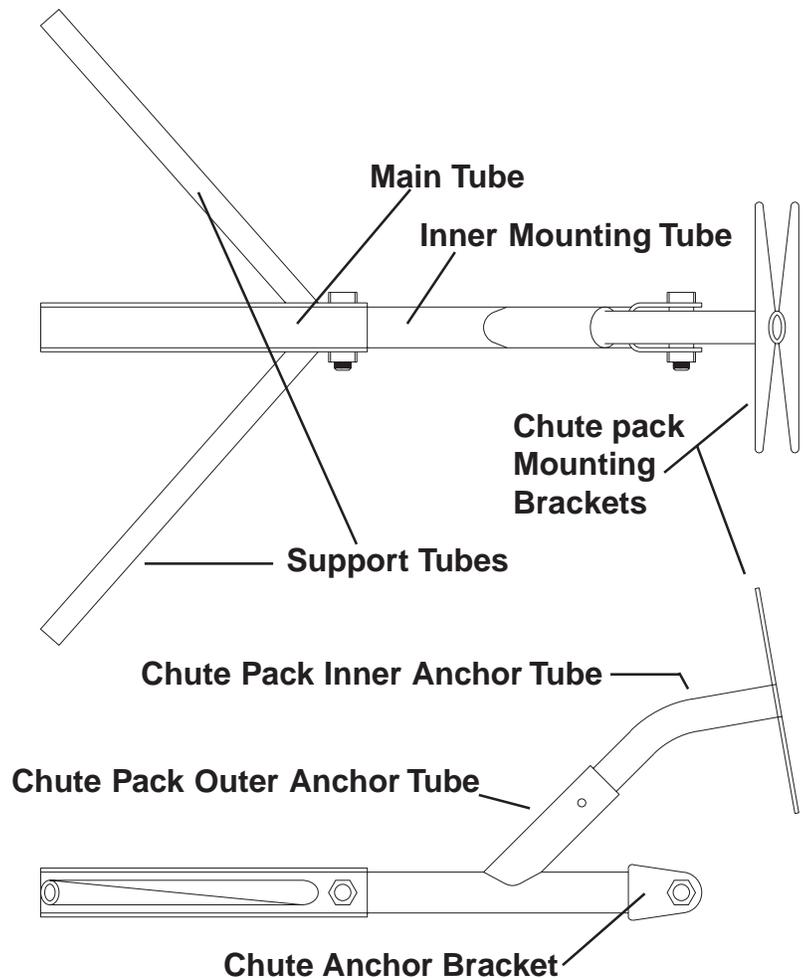
CAUTION!!! - *The most important requirement for a successful installation of this, or any, S&W chassis component is that you take your time and use good common sense. Check & recheck all measurements before cutting or welding. If at any time before or during the installation you have any questions - 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! Installation Instructions for Chute Mount & Anchor Doorslammer Type Part # 75-147

This chute mounting kit should be mounted so that the chute will be located at the very back of the car. In order for the chute to operate correctly, half the chute should stick out past the rear spoiler, or rear bumper, if they are located above the chute.

- 1.) The most important step is to locate where the main tube (1-1/2" x .120" EWS tubing) of the mount kit will be mounted. You should mount the main tube to a crossmember at the rear of the car which is securely welded to the car's frame or chassis. **Note. the location that you mount the main tube to needs to be an extremely strong portion of the chassis and should not be mounted to a factory crossmember or unibody frame rails.**
- 2.) Position the main tube, running from the crossmember you located in step #1, to the rear of the car. This tube should be parallel to the ground. Lightly tack weld the main tube to the crossmember. **Note, tack weld only at this time!!**
- 3.) Using the two 12" lengths of 3/4" x .120" DOM tubing as supports for the main tube, notch and angle cut the support tubes, so that they will support the main tube from the side of the tube to the crossmember. In most cases you would want these hidden under the spoiler or behind the bumper.
- 4.) Install the inner mounting tube (1-1/4" x .120" DOM x 18" into the main tube, slide it in to the desired length for your application. Do not drill or through bolt to the main tube at this time!!
- 5.) Locate where the chute pack outer tube (the short piece of 1-1/4" x .120" DOM with one end notched) will locate on the inner tube. Note the outer anchor tube should be located an inch or more forward from the back end of the inner mounting tube as shown in the drawing. Tack weld only at this time.
- 6.) Slide the chute pack inner anchor tube (the 1" tube with a slight bend) in to the outer tube. Cut the inner tube to the desired length so that the chute pack will be located in its desired location.
- 7.) Drill a 1/4" hole through the inner & outer chute pack anchor tube for the 1/4" x 1-1/2" hitch pin.

8) Install the chute pack mounting brackets onto the chute pack inner anchor tube. The best way to do this is to make an aluminum pattern of the back of the chute pack, locating where the mounting holes will be. Bolt the aluminum pattern to the chute pack mounting brackets, locate where the brackets will be on the chute pack inner anchor tube, and tack weld them in place. **Note: An alternate method for locating the chute pack mounting brackets is to bolt the chute pack to the mounting brackets and tack weld the brackets to the inner anchor tube. When you do this you need to *lightly tack weld* and be very careful not to get the chute pack hot or hit it with sparks from your welder. The chute pack can be damaged or catch on fire!**



- 9) Position the inner mounting tube in the main tube so the anchor tubes are straight up and down, and the chute pack is in the proper location. Drill a hole for a 1/2" bolt through the main tube and the inner mounting tube. Install the 1/2"x 2" bolt through the inner mounting tube and the main tube, securing them in place with a 1/2" nylock nut.
- 10) Tack weld the chute anchor bracket in place at the back end of the inner mounting tube.
- 11) If the chute pack is in the correct location and is supported properly, you can finish welding all the tubing mounting and connecting points.
- 12) Bolt the chute pack to the mounting brackets, then install the shroud line to the anchor bracket. Secure the shroud lines in place with the 1/2"x 2" bolt and nylock nut, through the bracket, anchor tube, and the center of the shroud lines loop.

Part List For Part Number 75-147

<u>Qty</u>	<u>Part #</u>	<u>Description</u>
1	750x120 DOMx1.125	Anchor tube for anchor bracket (3/4"x120 DOM tube 1-1/8" long)
1	1250x120DOMx18	Inner mounting tube (1-1/4"x120 DOM tube 18" long)
1	75-147-03	Chute pack outer anchor tube (Notched end 1-1/4"x120 DOM tube)
1	75-147-02	Chute pack inner anchor tube (1" tube with a slight bend)
2	750x120DOMx12	Support tube for main tube (3/4"x120 DOM tube 12" long)
1	1500x120EWSx10	1-1/2"x120EWS main tube
1	75-147-04	Chute anchor bracket
1	40-330	1/4"x 1-1/2" hitch pin
2	65-047	1/2"x 2" G 8 fine bolt
2	65-145	1/2" nylock half nut
2	75-147-01	Chute pack mounting bracket