



# S&W Race Cars and Components, Inc.

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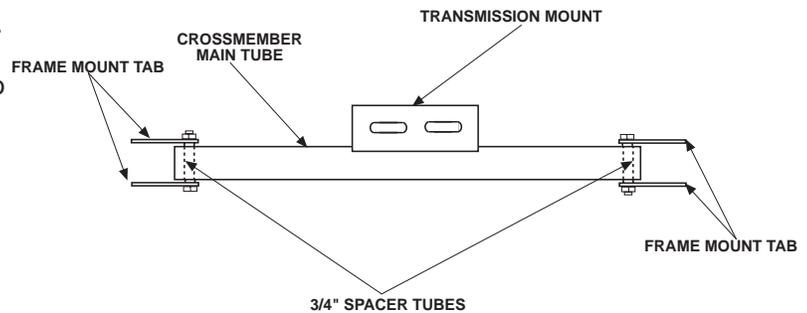
OFFICE FAX: 610-948-7342

**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!

### Installation Instructions for Transmission Crossmember # 14-110

- 1) Install engine & transmission at desired height and angle.
- 2) Mark & cut the crossmember tube to length by placing the crossmember tube under the transmission, between the frame rails, so that the tube is parallel to the rear axle centerline.
- 3) Bolt the transmission mounting plate to the transmission tailshaft. *If you are using a rubber transmission mount, install it between the mounting plate and the tailshaft.*
- 4) Place the crossmember tube in position and tack weld to the mounting plate.
- 5) Place the frame mounting tabs up to the crossmember tube and against the frame rails so that you can mark the location of the spacer tubes. The tabs provided are notched for a round tube chassis, if your chassis is made of rectangular tubing, cut the tabs to fit. Make sure the tabs are directly opposite each other and perpendicular to the ground. Transfer punch the center of the hole onto the crossmember tube.
- 6) Unbolt mount and remove crossmember from car.
- 7) Drill crossmember on the marks made in step 5 to accept the 3/4" spacer tubes. These tubes will add strength throughout the assembly and prevent the crossmember tube from bending when you tighten the mounting bolts.
- 8) Install spacer tubes in crossmember tubers and tack weld in place.
- 9) Use the supplied hardware to install the frame tubes on the crossmember as shown on diagram.



### PARTS LIST

|   | <u>Quantity</u> | <u>Part #</u> | <u>Description</u>            |
|---|-----------------|---------------|-------------------------------|
| 10) Reinstall crossmember to transmission and tack weld frame tabs to frame rails.                            | 1               | 14-1101       | Crossmember Main Tube         |
|   | 2               | 14-1102       | 3/4" Crossmember Spacer Tubes |
| 11) Check all clearances and transmission angle.  | 4               | 60-352        | Frame Mount Tab               |
|   | 2               | 65-050        | 1/2"-20 x 3" Grade 8 Bolt     |
|   | 2               | 65-135        | 1/2"-20 Nylock Nut            |
| 12) If clearances and angle are correct, remove crossmember and finish weld crossmember and frame mount tabs. | 1               | 60-355        | Transmission Mount Bracket    |