

84" Pro Stock Wheelie Bar Kit

PART # 3623

Congratulations, you have purchased one of the finest wheelie bar kits available from any manufacturer. Please read the instructions before attempting to install this wheelie bar kit on your car to assure that your installation goes smoothly and to ensure that they work properly.

PARTS LIST:

4...Pcs. 1-1/8" x .083 tubing	6... Tube adapters 1-1/8" x 1/2" RH
2...Pcs. 1" x .058 tubing	2...1/2" x 2-1/4" rue pins.
4...Pcs. 3/4" x .058 tubing	2...1/2 rue rings
2...Wheelie bar wheels	2...1/2" Rod Ends(Right Hand)
2...Caster Brackets	2...1.2" Rod Ends(Left Hand)
4...Clevis tabs for caster brackets	6...1/2" flat washer
2...Rod Ends 3/8" x 1/2"	4...1/2" fine nylock nuts
2...Quick release pins	4...1/2" x 2" fine Gr. 8 bolts
	8...Chassis tabs 1/2" holes

FEATURES:

1. These wheelie bars are made of .083 wall chrome moly material that is extremely strong while being very light in weight. They don't require a spring to absorb shock because they are engineered to provide a controlled amount of flex between the upper and lower bars.

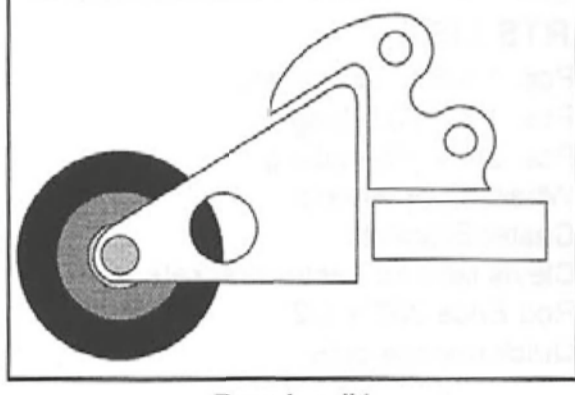
2. Our unique cross bar and supporting diagonal links on the bars are designed to be positioned in a place that enables you to place a jack under the rear end with out having to disconnect a rear mounted cross bar as on other designs.

INSTALLATION:

STEP 1: Determine the width of the wheelie bars for your application. Clean the rear end housing in the area where the brackets will have to be welded.

STEP 2: Find the center of the rear end housing on the bottom and mark it. Measure half the distance of the total width of the wheelie bars from the center mark outward on each side. This will be where the housing brackets will be welded. Bolt the rod ends between the brackets for the correct width using the non-locking nuts and tack weld in place. (The cross bar on the bottom of the four link brackets will make the best mounting spot for the brackets when using a four link. If using a ladder bar you must mount the tabs on the back side of the brackets or add a crossbar between the brackets for mounting.)

STEP 3: With the car at ride height, measure from the lower mounting brackets to where you want the center of the wheelie bar wheel to be. Take this measurement and subtract 2-3/4" for the caster bracket and 2-3/4" for the rod end and tube adapter. Use this dimension to cut two of the 1-1/8" x .083 pieces of tubing to size. Cut at 90 degrees on both ends.



Drawing #1

STEP 4: Using a work bench tack weld the caster brackets to one end of each tube cut in step 4. See Drawing 1. When they are square and level tack weld in place.

STEP 5: With the bars still on the work bench measure each bar from the center of the wheel up each lower tube 14" - 16" and mark both bars. This will be the mounting point for the cross bar.

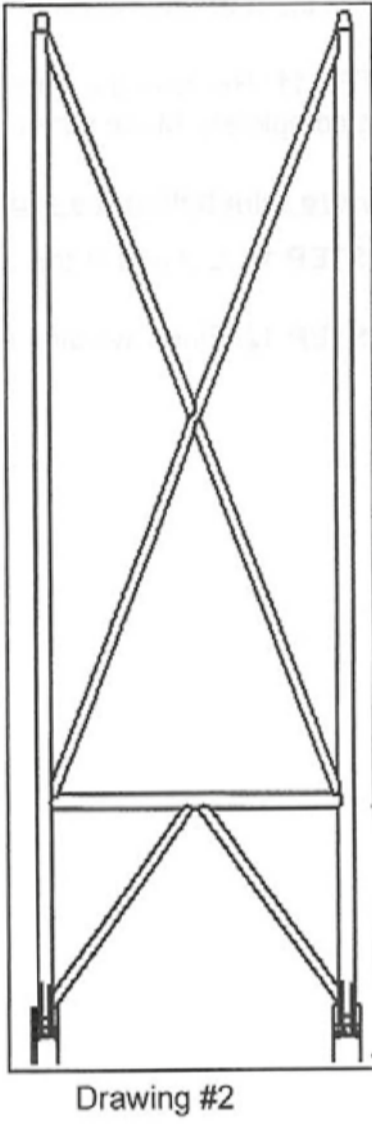
STEP 6: Clamp the bars down to the table at the width you decided at the beginning of the installation when the tabs were installed on the bottom of the rear end housing. Make sure they are straight and square. Cut and notch the 1" X .058 tubing to fit between the bars even with the marks made. Once you have the bar square and level tack weld it in place.

STEP 7: Cut and fit two 3/4" tubes to go from the center of the cross bar that you just tack welded in place to the top of each tube just behind the tube adapters. Cut and fit the other two 3/4" bent tubes to go from the center of the cross bar to the bottom of the tubes just behind the caster brackets. (See Drawing #2) Tack weld all four bars in place when fit.

STEP 8: The hole in the top tabs that mount the top of the wheelie bars must be at least 9" or more higher than the hole in the lower mounts. The higher the brackets are from the bottom mounts the stronger the bars will be. Sand the housing clean and install the mounting tabs so both mounts are level to the ground and are the same front to back from the housing center line. Tack weld in place. (The top brackets can be narrower than the bottom.)

STEP 9: With the car at ride height install the rod ends half way and bolt the bottom bar to the rear end brackets. Install the wheelie bar wheels using the rue pins and rings. Place wood under the wheels so you have about 5"-1/2" from the ground to the center of the pin on each wheel. Once on the wood make sure the bars are straight and in the center of the car. If not the rod ends can be adjusted or the tabs can be moved.

STEP 10 : Tack weld two of the remaining 1/2" tube adapters into one end of each 76" pc. of 1-1/8" tubing. Then screw a 1/2" rod end into the end of each tube half way. Install the rod ends and tubes into the brackets on the rear end housing by just sliding the bolts into the holes in the brackets. Just let the bars hang for now. Screw the 1/2" x 3/8" rod ends into the other two tube adapters half way and pin them to the caster bracket tabs with the 3/8" quick pins using the lower holes in the tabs. Hold the clevis tabs on the top of the caster bracket along with the top bar of the wheelie bars up next to the tube adapter and mark the length the bar needs to be cut at. Repeat this on the other side. Slide the tube adapter with Rod Ends into the end of the tube. With the tabs still quick pinned to the clevis line the tab



Drawing #2

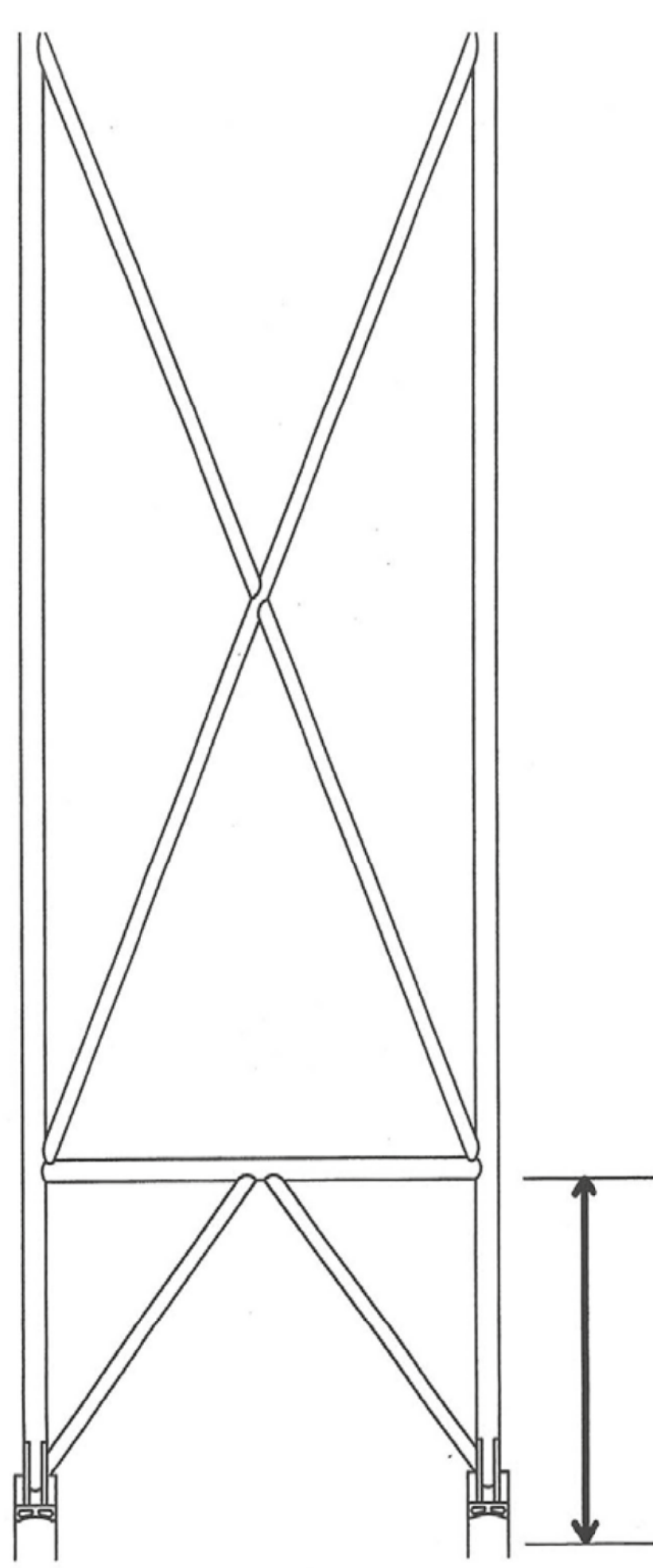
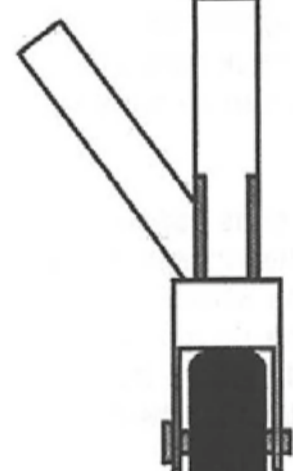
up with the center of the caster bracket and tack weld in place. Repeat this on the other side. (NOTE: The tabs will be on a small angle to the center of the car if the top bars have been moved to the center of the rear end housing.)

STEP 11: Remove the bars from the car and finish welding them and the tabs on the rear end housing completely. Make sure that you remove the rod ends before welding.

Before reinstalling the rod ends make sure that you use anti-seize on all the threads.

STEP 11: Cut and fit the 1" brace to fit in the center of the top bars. Tack weld in place.

STEP 12: Finish welding bars after you have checked all measurements.



14" to 16" from wheelie bar wheel mounting hole