

6213

INSTRUCTIONS FOR X-STRUT WHEELIE BAR, UNSPRUNG – UNASSEMBLED

<u>ITEM</u>	<u>QTY</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	4	1853	Tube 4130 - 1 1/8 x .058 x 80"
2	2	1854	Tube 4130 - 1 x .058 x 80"
3	2	3608	Caster 4 x 1 1/2
4	4	1117	Weld eye
5	2	1310	Eyebolt 3/4-16 x 3/8
6	2	3202	Jam nut 3/4 - 16 right
7	2	3200	Locknut 1/2 - 20 right
8	2	3123	Bolt 1/2 - 20 x 2 1/2
9	6	3121	Bolt 3/8 - 24 x 1 3/4
10	6	3209	Locknut 3/8 - 24
11	8	2121	Small clevis tab 3/8 hole
12	2	1111	Tube adapter 1x.005 3/4-16 right
13	2	2326	Wheel bracket
14	4	2145	Large upper wheelie bar tab

All threaded tube ends should be chased with a tap **after welding**; do not force any bolts.

1. Position your car at ride height, race ready, exactly as it will be raced.
2. The lower bar has the wheel bracket attached to it. Use the 1/2-inch bolt and locknut to attach the wheel into its bracket. Weld a clevis in on one end and the wheel bracket on the other.
3. Attach a small clevis tab to each side of the clevis in the bottom bar. Use the 3/8 x 1 3/4 inch bolts. Slide the wheelie bars under the rear of the car and center them in the chassis. Tack weld the clevis tabs to the bottom rear of the 4-link or ladder bar axle bracket. Eliminator II and Avenger 4-link have the tabs already on the 4-link axle bracket.
4. Thread the 3/4-inch jam nuts onto the adjusters so that 3/4-inch of thread extends past the jam nut. Screw the tube adapter on the adjuster and use two 3/8-inch bolts to secure two small clevis tabs to the adjuster. We do not recommend using quick release pins on the clevises because they tend to catch on the parachute lines.
5. Space the wheelie bar wheels up off the ground 2 inches with blocks. At this setting, the wheel will be at its lowest point. Place the adjuster tabs on the lower tube just forward of the wheel bracket. Tack weld two upper strut large clevis tabs to the rear of the axle housing on the backbrace for each tube. Bolt a clevis between the tabs. Cut a piece of 1 1/8 inch tube to length. It goes over the weld clevis and the tube adapter. Weld the tube adapter and the clevis to the tube.
6. Use the 1-inch tube to form an "X" in the top strut bars. The ends of the "X" should weld slightly on the clevis at the top and touching the tube adapter at the bottom.
7. Recheck to make sure the wheelie bars are properly centered and adjusted before final welding.
8. Raise the wheelie bars by screwing the adjuster into the upper strut. After each adjustment, make sure that both wheels are the same height off the ground or the car might not launch straight. To properly adjust wheelie bars, raise them to 6 or 8 inches off the ground and slowly lower them to get the proper height setting. Be careful of how high the car wheel stands. Do not start low and work up as this will put more strain on the wheelie bars than necessary and will damage them.

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