

INSTRUCTIONS FOR 32" & 36" ADJUSTABLE LADDER BARS

<u>ITEM</u>	<u>QTY</u>	<u>PART NO</u>	<u>DESCRIPTION</u>
1	2	2031	Ladder bar top axle bracket gusset
2	2	2032	Ladder bar bottom axle bracket gusset
3	4	2117	Ladder bar axle bracket
4	4	1204	Eyebolt 3/4-16 right
5	2	1203	Eyebolt 1-14 right
6	2	1500	Ladder bar adjuster
7	4	3102	Bolt 1/2-20 x 2
8	4	3200	Locknut 1/2-20
9	4	3202	Right hand jam nut 3/4-16
10	2	3226	Right hand jam nut 1-14
11	2	3227	Left hand jam nut 1-14

And One Pair of the following types of ladder bars:

12	2	540X	32" Adjustable ladder bars
12	2	5405	36" Adjustable ladder bars

1. Screw the left hand jam nuts on the ladder bar adjusters approximately 1 1/4". Then screw the adjusters into the shorter lower bar approximately 1". There should be 5 to 6 threads left showing when the adjuster is installed. If the rod ends or jam nuts do not thread easily, do not force them. Chase the threads with a tap or die. CHASSISWORKS will not replace rod ends or ladder bars that have been jammed together. Apply light oil or WD-40 to the threads when installing. Do not attempt to turn the adjuster without loosening all the rear jam nuts and ladder bar axle bracket bolts. Also, take all the car's weight off the rear wheels to reduce the strain on the adjuster threads. Use the ladder bar axle bracket gussets to cap the top and bottom of the axle brackets.

2. The two 5/8" hole rod ends thread into the front of the ladder bar. Screw a 1" right hand jam nut on each rod end until only 1 or 2 threads are left. The rod ends should then be screwed into the front of the ladder bar. Do not screw the front rod ends out more than 1 or 2 threads past the jam nut as this rapidly decreases rod end bending strength.

3. The four 1/2" hole eye bolts thread into the rear of the ladder bars. Screw the jam nuts on until they have 5 to 6 threads left past the jam nut. One-rod end screws into the adjuster, and the other into the ladder bar. The rear rod ends are loaded different, that is why the ends are a different design and screw in a different amount. All jam nuts must be securely tightened before use.

4. Install the axle housing brackets on the rear of the ladder bar. One bracket goes on each side of the rear rod ends. The axle bracket extends below the rear end housing. The lower bar on the ladder bar is the 1 1/4 tube. Torque bolts to 50 ft. lbs.

5. To install in your car, you must have the rear end and your frame level from right to left otherwise, you will preload the chassis and your car will not sit level. Ladder bars should be installed to give approximately "one degree" down pinion angle. The lower bar of the ladder bars should be some where from parallel with the ground to slightly down at the front. This should be checked at ride height.

6. These ladder bars must be used with a 3/4 hole front mount and a CHASSISWORKS part #6203 spacer kit to adapt the brackets to the ladder bar eye. The spacers must be greased liberally to prevent binding.

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