

## 6229

### INSTRUCTIONS FOR 36" ADJUSTABLE PRO STREET LADDER BARS

<u>Item</u>	<u>Qty</u>	<u>Part No</u>	<u>Description</u>
1	4	1058	Sleeve 5/8 x 1/2 x 1.250
2	4	1208	Eyebolt 3/4 x 1.0 bore
3	2	1221	Eyebolt 1 x 1.0 bore
4	2	1500	Ladder bar adjuster
5	2	2018	Ladder bar pro street axle mount gusset
6	4	2117	Ladder bar axle bracket
7	4	3100	Bolt 1/2 - 20 x 2 1/4
8	4	3200	Locknut 1/2 - 20
9	4	3202	Jam nut 3/4 - 16 right
10	2	3226	Jam nut 1 - 14 right
11	2	3227	Jam nut 1 - 14 left
12	1	3507	Grease packet
13	4	3532	Urethane bushing 1.0 x .625 x .563
14	8	3533	Urethane bushing 1 x .625 x .400
15	2	5405	36" Ladder bar - Adjustable

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 you 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. You must also take all the car's weight off the rear wheels to reduce the strain on the adjusters' threads.

2. The two 1" thread 1.0 bore eyebolts 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 rod ends in front out more than 1 or 2 threads past the jam nut as this rapidly decreases rod end bending strength. Install the longer urethane bushing in the front eye.

3. The four 3/4" thread 1.0 bore eyebolts 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, 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 shorter urethane bushings into the rear eyebolts. Grease the sleeves and press them into the urethane. Attach the rear axle brackets with the 1/2" bolts and locknuts.

5. 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 tubes. Torque bolts to 50-ft. lbs. Use the ladder bar axle mount gusset to cap the back and the bottom of the axle brackets.

6. 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 anywhere from parallel with the ground to slightly down at the front. This should be checked at ride height.

7. These ladder bars must be used with a 3/4 hole front mount and a CHASSISWORKS part #6288 spacer kit to adapt the brackets to the ladder bar eye. The spacers must be greased liberally, with the grease provided, to prevent binding.

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