

6287 & 6229

INSTRUCTIONS FOR 32" & 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	2033	Ladder bar pro street top axle bracket gusset
6	2	2034	Ladder bar pro street bottom axle bracket gusset
7	4	2117	Ladder bar axle bracket
8	4	3100	Bolt 1/2 - 20 x 2 1/4
9	4	3200	Locknut 1/2 - 20
10	4	3202	Jam nut 3/4 - 16 right
11	2	3226	Jam nut 1 - 14 right
12	2	3227	Jam nut 1 - 14 left
13	1	3507	Grease packet
14	4	3532	Urethane bushing 1.0 x .625 x .563
15	8	3533	Urethane bushing 1 x .625 x .400

And one of the following types of ladder bars:

16	2	540X	32" Adjustable ladder bars
16	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. 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 front rod ends 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 tube. Torque bolts to 50 ft. lbs. Use the ladder bar axle bracket gussets 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 some where 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. With the grease provided, liberally grease the spacers to prevent binding.

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