

**6167****INSTRUCTIONS FOR TIE ROD ENDS FOR  
FABRICATED STREET MACHINE SPINDLES**

<b><u>ITEM</u></b>	<b><u>QTY</u></b>	<b><u>PART NO.</u></b>	<b><u>DESCRIPTION</u></b>
1	2	1241	S/M tie rod adapter 9/16-18
2	2	3107	Bolt 1/2-20 x 2 3/4
3	2	3200	Locknut 1/2-20
4	16	3229	Aircraft washer 1/2 .062 thick .88 OD
5	2	3255	Stainless 1/2 washer 9/16 x 1 1/4 OD
6	2	3257	Right hand jam nut 9/16-18
7	2	3258	Left hand jam nut 5/8-18
8	2	3374	High misalignment bushing

**THESE TIE RODS AND FABRIACED SPINDLES ARE NOT FOR STREET USE.** If you purchased these items for street use, please immediately exchange them for part nos. 6177 and 6174, which are designed for street use.

These tie rod ends are designed for use with Chassisworks Street Machine racks and Street Machine fabricated spindles, and are for drag race use only.

Chase the threads with a tap. Chassisworks will not replace adapters or rod ends that have been jammed together. Apply anti-seize to threads when installing.

1. Screw the 9/16" jam nut onto the tie rod end approximately 1". Screw the tie rod adapter onto the tie rod after the jam nut.

2. Screw the 5/8" left-hand jam nut onto the 5/8" rod end approximately 1". Next, screw the rod end into the adapter.

3. Put the large 1/2" washer onto the 1/2" bolt. Put four of the smaller 1/2" aircraft washers onto the bolt. Slide the 1/2" bolt up through the bottom of the 1/2" bore in the rod end. Put four more 1/2" aircraft washers onto the bolt. Screw the bolt up into the steering arm of the fabricated spindle. The rod end should be below the steering arm.

4. Repeat this procedure for the other side of the rack and pinion.

5. Align the front end to the correct specifications for caster, camber and toe-in. Also, verify the suspension does not bump steer. If necessary, adjust the bump steer by moving the 1/2" aircraft washer above and below the rod ends to shim the rod ends up or down.

6. Verify that there is a minimum of 3/4" of thread engagement in each end of the tie rod adapter. When all alignments have been made, tighten the jam nuts and put the 1/2" locknuts on the top of the steering arms.

Revision Date: December 17, 2001

