

**6166**

**STREET MACHINE SUSPENSION,  
MEDIUM DUTY BRAKE KIT,  
DRAG RACE ONLY SPINDLE**

<u>ITEM</u>	<u>QTY</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	5043	Driver medium duty street machine drag race spindle
2	1	5044	Passenger medium duty street machine drag race spindle
3	2	2019	Washer spindle 1 ½ x ¾
4	2	3617	Cotter pin 5/32 x 1
5	2	3630	Spindle nut ¾-20 castle style

Note: These spindles are for drag racing only and should not be used on the Street. They are for use with Chassisworks' Street Machine front suspension. Use with part nos. 6172, 6180, or 6182 lower A-arms and part nos. 6171, 6179, or 6181 upper A-arms. These A-arms use screw-in balljoints (part 6104). Do not use these spindles with ANY OTHER A-arms or balljoints. Either brake kit 8336 with solid rotors or, 8337 with vented rotors can be used with these spindles. The medium duty brake kit should not be used on vehicles with a race weight over 3600 pounds. In addition, the use of a parachute is mandatory to stop any race vehicle in excess of 150 mph with these brake kits.

1. Install the spindles to the upper and lower A-arms and secure them in place with the castle nut and cotter pins.
2. The steering arm has a ½" thread use only Chassisworks part 6167 to attach the tie rod. The tie rod connects under the steering arm.
3. Align the front end per the specifications with the chassis. A typically set-up uses 1/8" to 3/16" toe-in, 0° camber, and 2° to 6° caster. Verify that your chassis does not bump steer. Shim the tie rod end up or down to correct any bump steer.
4. Verify that nothing in the suspension binds by moving the spindle through its complete range of motion. Also verify that nothing on the brake kit contacts the spindle body. The lower balljoint housing is very close to the brake rotor bolts but should not contact them.

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