

# Wheel Stands

## Universal Wheel Stand Set & Standard Wheel Stand Set

**USERS MANUAL**







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Wheel Stands provided by Chief Automotive Technologies, Inc. are designed to fit most types of vehicles. They adapt to most wheel bolt patterns and they provide ample support for vehicles.

Two types of Wheel Stands are available:

Universal Wheel Stands (see Figure 1) feature L-shaped supports and short (adjustable) vertical legs. Each set of Wheel Stands consists of a left and a right version and the positioning of each is dependent upon location of brake calipers. The short leg is always mounted near the brake caliper.

**NOTE:** An optional long leg is available for this type of Wheel Stand. (See Figure 2.) It provides additional height for supporting the wheels of some pickup trucks and four wheel drive vehicles.

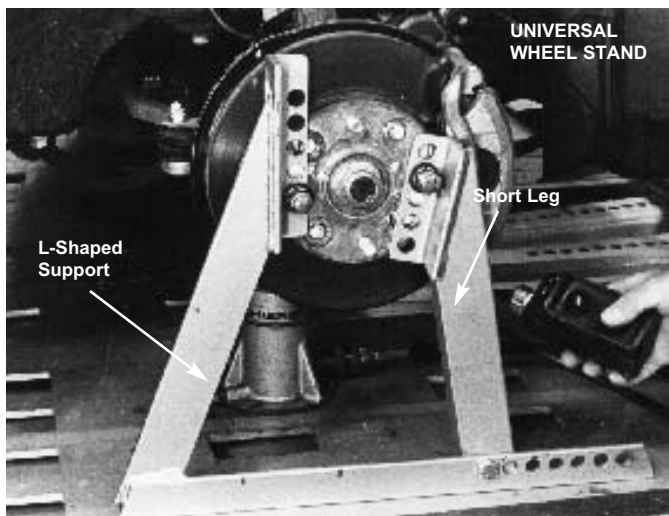


Figure 1

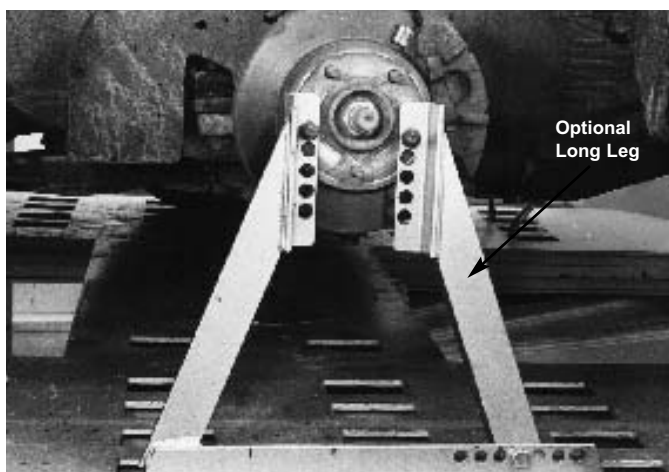


Figure 2

Standard Wheel Stands (see Figures 3 and 4) also feature L-shaped supports; however, they are accompanied by long (adjustable) vertical legs. These stands can be used on either side of vehicle as there is no 'left' or 'right' designation. Standard Wheel Stands are provided in two styles, those with pads welded to the bottom support (see Figure 4) and those without. Padded Wheel Stands are required when using the G16i frame straightening machine.

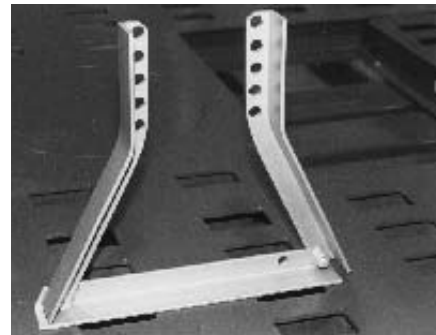


Figure 3

STANDARD WHEEL  
STAND

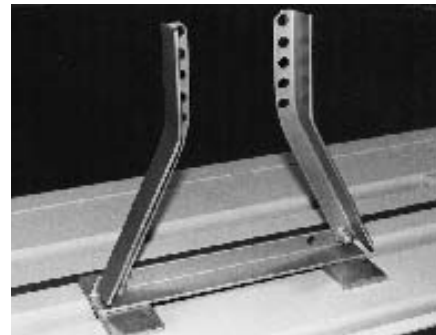


Figure 4

STANDARD WHEEL  
STAND (WITH PADS)

**CAUTION:**

1. Do not attempt to support vehicle using only a portion of a Wheel Stand assembly. Install and secure both the L-shaped support and its vertical leg.
2. Do not exert pressure on Wheel Stands for repair purposes or for vehicle loading and unloading. Wheel Stands are designed solely to support the vehicle.
3. Do not position wood blocks or other objects between bottom of L-shaped support and machine surface. If additional height is needed when using Universal Wheel Stands, use optional long legs.
4. During course of a repair, vehicle must be supported by adequate anchoring equipment and/or blocking. Do not use Wheel Stands as a substitute for anchoring or blocking.

## INSTALLATION

**IMPORTANT:** When brake calipers hinder installation of Wheel Stands (see following procedures), remove brake calipers prior to installing Wheel Stands.

1. Position vehicle at desired location on machine.
2. Put vehicle's gear selector in park (if automatic), set vehicle's parking brake, and block vehicle's rear tires. (See Figure 5.) Block vehicle's front tires if installing Wheel Stands at rear of vehicle.



Figure 5

3. Use 4 inch auxiliary ram (see Figure 6) or other suitable lifting device to raise vehicle to a height that allows Wheel Stand installation. Then block vehicle at this height.

**IMPORTANT:** 1) Position lifting device below a jacking point or lower control arm.

- 2) Lift vehicle until tire is approximately 1 inch above machine surface.



4. Remove tire and mount

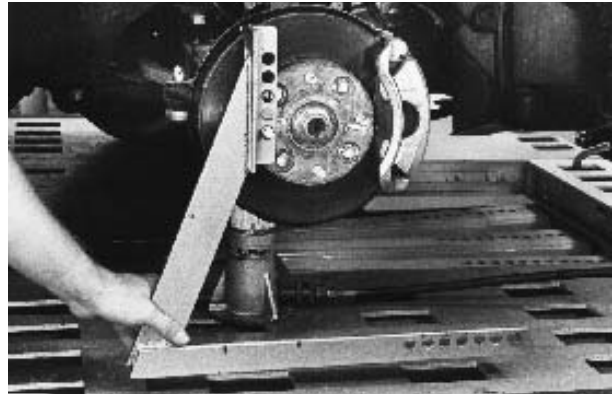
Figure 6

L-shaped support on a wheel bolt that allows bottom of support to be approximately 1" above machine surface. (See Figure 7.)

**IMPORTANT:**

- 1) When installing Universal Wheel Stands, select appropriate 'left' or 'right' L-shaped support and mount it opposite of the brake caliper.
- 2) When installing Standard Wheel Stands, the design of the stand requires that one of the L-shaped supports be mounted next to a brake caliper. When installing this L-shaped support, make sure it does not contact brake caliper.

Figure 7

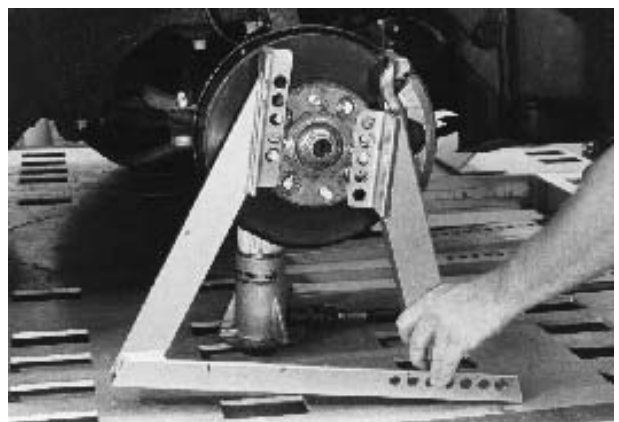


5. Mount assembly's other leg on a wheel bolt. (See Figure 8.)

**IMPORTANT:**

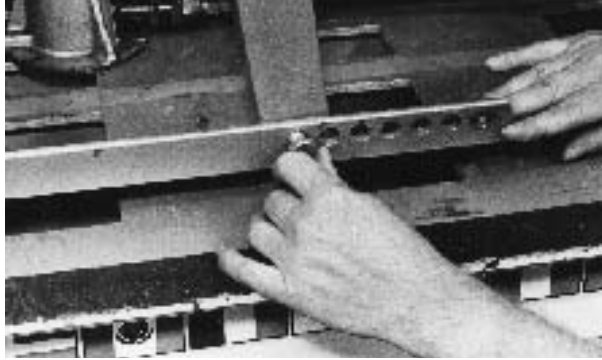
- 1) When installing Universal Wheel Stands, select appropriate 'left' or 'right' leg and mount it next to, but not in contact with brake caliper.
- 2) When installing Standard Wheel Stands, the design of the stand requires that one of the legs be mounted next to a brake caliper. When installing this leg, make sure it does not contact brake caliper.

Figure 8



6. Secure lower end of leg to bottom of L-shaped support using bolts provided. (See Figure 9.) Select mounting hole that maintains the approximate 1 inch gap between L-shaped support and machine surface, and maintains clearance between leg and brake caliper.

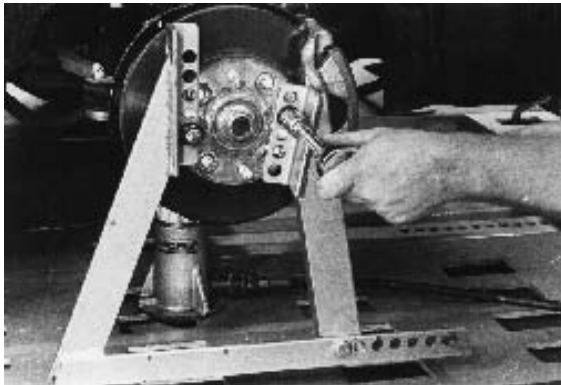
Figure 9



7. Secure Wheel Stand to wheel using wheel retaining nuts. (See Figure 10.)

**IMPORTANT:** Mounting surface of Wheel Stand must be flat against mounting surface of wheel.

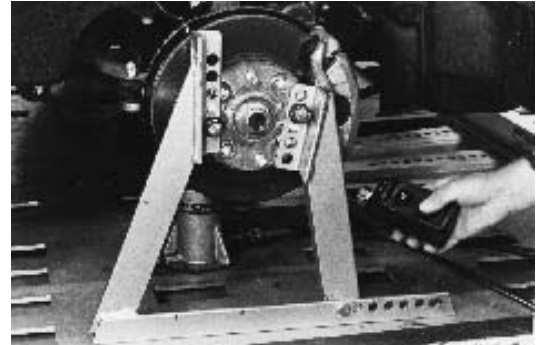
Figure 10



8. Lower vehicle so that its weight is supported by Wheel

Stand. (See Figure 11.) Then remove lifting device and blocking used to install the stand.

Figure 11



9. Repeat the procedure on opposite side of vehicle.

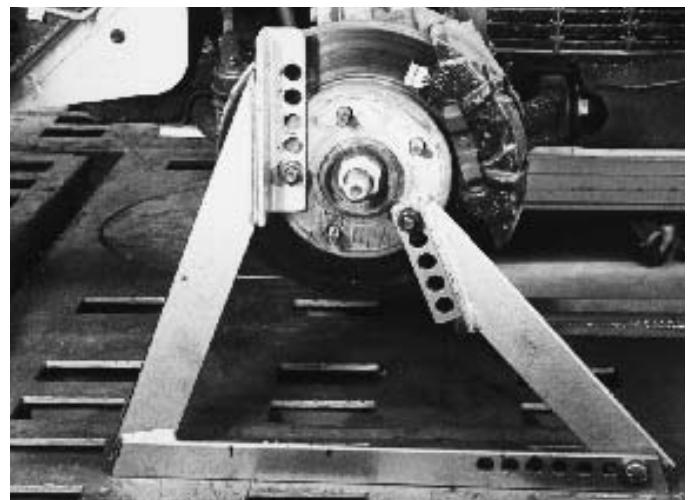
**IMPORTANT:** Wheel Stands must be installed identically one side of vehicle to the other.

## WHEEL BOLT PATTERNS

The majority of illustrations in this manual show a Wheel Stand being installed on a wheel with a four-bolt pattern. The same installation procedures apply to a five-bolt pattern or an eight-bolt pattern; however, the configuration of the Wheel Stand may vary depending upon location of brake caliper and height required.

Figure 12 (below) and Figure 2 (Page 1) show examples of a Universal Wheel Stand mounted to a five-bolt pattern.

Figure 12



## PARTS INFORMATION

To order replacement parts for either Universal or Standard Wheel Stands, contact Chief Automotive Technologies, Inc. 800-445-9262. (If outside the United States, contact your nearest Chief Automotive Technologies, Inc. representative.)

When contacting Chief Automotive Technologies, Inc. by telephone or mail, provide the following information: name, name of shop, shop telephone number, and shop address. Additional information needed when ordering: description of part(s) and part number(s).

**NOTE:** Chief reserves the right to alter product specifications and/or package components without notice.

Part No.	Description
<b>674507</b>	<b>Universal Wheel Stands (Pair)</b>
674523	L-Shaped Support, right
674531	L-Shaped Support, left
674540	Short Vertical Leg, right
674558	Short Vertical Leg, left
604656	Bolt, 1/2-13NC x 1 1/4
620736	Nut, 1/2-13NC
674566	Optional Long Leg, right
675574	Optional Long Leg, left
<b>610909</b>	<b>Safety Wheel Stand, Standard (without pads)</b>
610589	L-Shaped Support, Standard
604816	Free Side Vertical Leg
604656	Bolt, 1/2-13NC x 1 1/4
620736	Nut, 1/2-13NC
605940	Spacer, Wheel Stand
<b>772096</b>	<b>Safety Wheel Stand, Standard (with pads for G16i)</b>
772095	L-Shaped Support, G16i
604816	Free Side Vertical Leg
604656	Bolt, 1/2-13NC x 1 1/4
620736	Nut, 1/2-13NC
605940	Spacer, Wheel Stand
<b>674516</b>	<b>Optional Truck Leg Set</b>
532212	Leg, Truck, Left
532214	Leg, Truck, Right



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