

PART NUMBER: 01201

- 15" to 30*" Diameter wheels (* with extension)
- 6" to 11" Wheel width measurements
- 0 to 5 ¼" Backspacing
- Identify 4"- 5.5" on 4 or 5 lug patterns

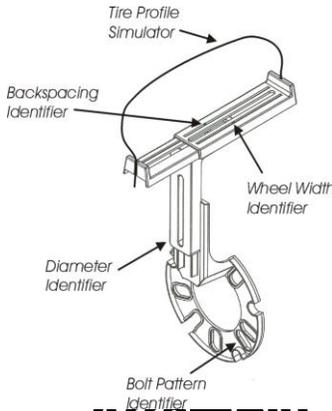
COMPONENT LIST

- 1-Wheelrite wheel & tire simulator
- 3-1/4"x20 thumb screws
- 3-1/4"x20 nuts
- 3-1/4" washers
- 1-Nylon thumb screw
- 1-Nylon nut
- 1-Wire 24"
- 1-Instruction Sheet

There has always been a problem with figuring out just how much tire and wheel can be stuffed into a wheel well without rubbing on the inner or outer fender. The WHEELRITE makes all of these problems and headaches a thing of the past. Find the correct offset, backspacing, diameter, width and tire profile ON THE FIRST ATTEMPT.



Figure 1



Assembly



Figure 2

- 1) Place the bolt pattern identifier to the diameter identifier and attach with thumb screw, washer and nut as shown in figure 1.
- 2) Place the 2 sliding wheel width / backspacing identifier pieces together and attach to the height identifier with a thumb screw, washer and nut as show in figure 2.
- 3) Bend the tire profile simulator wire over your chosen tire if available. If no tire is available, you can get dimensional information from the tire manufacturer. Mark the wire where the tire would meet the wheel on both sides, using a piece of tape. Insert the profile simulator wire into the small holes on the telescoping bar of the WHEELRITE. This simulates a cross section of the tire.
(For instructions on extended configurations see "TO ACHIEVE ADDITIONAL MEASUREMENTS" section.)

Instructions

- 1) The most important step in using the WHEELRITE is determining the vehicles natural suspension position (ride height) while on the ground, and simulating it when the existing wheel and tire combo is removed. To do this you will need 2 jacks or 1 lift and 1 jack and a measuring device. First while the car is on the ground, straighten the wheel and measure the distance between the center of the axle/hub and the fender edge closest to the tire. Record this measurement. Next, place one jack under the suspension to lift the tire off the ground. After removing the existing wheel/tire combination, place the second jack under the chassis, and lift it to match the suspension position previously measured. You are now ready to make an accurate wheel/tire simulation.

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- 2) Mount the WHEELRITE to your vehicle hub using at least 3 lug nuts tightened by hand only. Make sure the WHEELRITE is centered on the hub and flat on the hub surface. Use the 2 studs or bolts closest to the vertical telescoping arm and 1 on the very bottom for best tool stability. If brake calipers cause interference, they must be removed.
- 3) Once the WHEELRITE is mounted, ID the bolt pattern. You do this by lining up the centerline of the bolt pattern with the hash marks on the lug nut/bolt holes. This will tell your bolt pattern; i.e. 4 on 110mm to other patterns.
 Note: Use a clean rag with soapy water to keep your WHEELRITE clean of dirt, grit, and debris usually found on the underside of most vehicles.

Wheel Diameter

Adjust the WHEELRITE to the desired wheel diameter, using the scale located on the side of the vertical telescoping arm, and tighten by hand.

Wheel diameter is measured from the bead seat and does not include the flange.

This adjustment may be limited by brake caliper and/or fender clearance.

The scale allows for wheel measurements from 15" to 22" in diameter.

Wheel Width

The thumbscrews on the top telescoping arm allow you to simulate back spacing and wheel width combinations. Using the width scale and indicator, determine desired width.

Wheel width is measured from inside of the wheel flanges.

Backspacing

Using the back spacing scale and indicator, adjust the WHEELRITE to the desired backspacing by aligning the indicator with the desired number and lock both telescoping bars in place using the black thumbscrew.

Backspacing is measured from the rear lip to the hub mounting surface.

The WHEELRITE does not have the ability to measure offset but you can determine offset by converting the backspacing.

Offset is measured from the wheel centerline to the mounting surface.

Tire Profile

You can now rotate the hub to simulate wheel rotation and turning. This allows you to confirm clearance of fenders and suspension components.

To Achieve Additional Measurements

23" to 30" Diameter Wheels

To achieve wheel diameter that are larger than 22" use the supplied extension bar which bolts to the vertical bar. When the extension bar is used, add 8" to the measurement displayed on the lower vertical bar. This setup will allow for the tool to reach wheel diameters up to 30".

Secure the extension to the diameter identifier with thumb screw, washer and nut. Refer to fig. 1 for pictorial views.

Extended Backspacing

To achieve wider measurement for offset or backspacing, use the supplied nylon thumb screw and nylon nut to hold the two horizontal slide bars together. Fasten the horizontal slide bars to the vertical slide bar using one of the supplied thumbscrews. A tape measure may be used to measure backspacing over 5". Please refer to fig. 2 for pictorial views.

