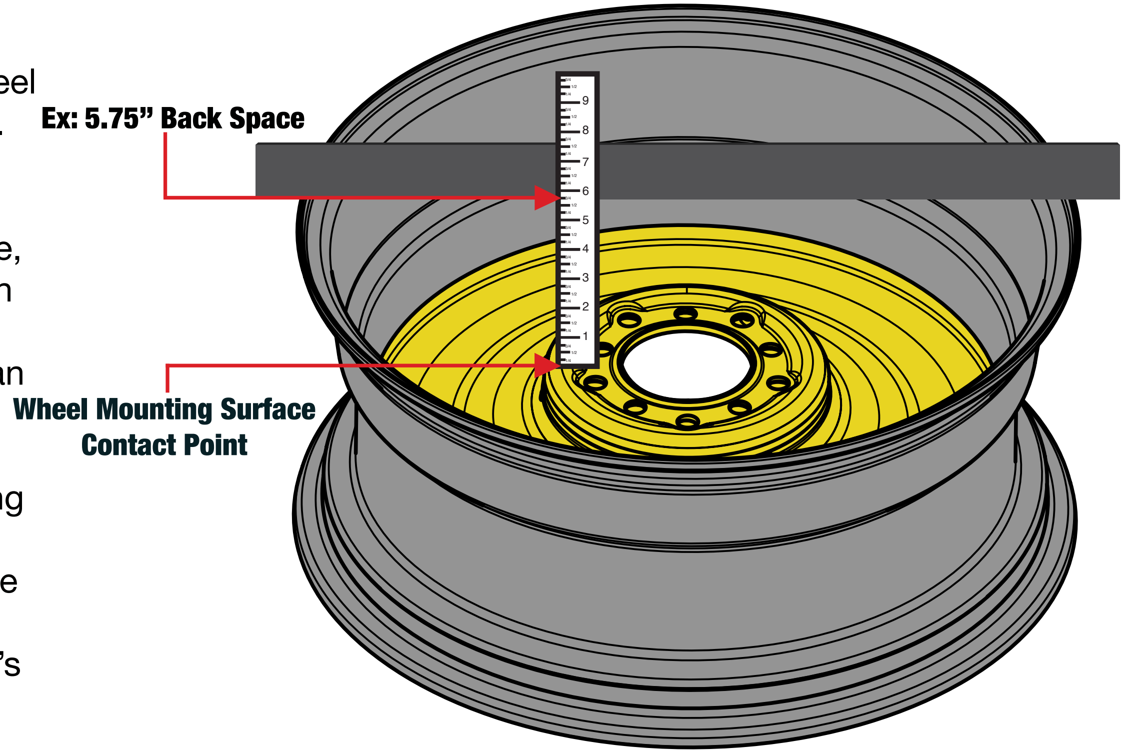
810.333.6100

Measuring Backspace

Backspacing is a key measurement used to determine the position of a wheel and tire assembly when it's put onto the vehicle's wheel mounting surface. Specifically, it refers to the distance from the mounting surface of the wheel—the part that makes contact with the hub—to the back lip of the wheel. This measurement plays a significant role in how the wheel sits in relation to the vehicle's suspension and body.

When it comes to placement, a wheel with a higher backspacing value will sit further inward/vehicle side, bringing it closer to the suspension components. On the other hand, a lower backspacing value means the wheel will sit further outward/curbside, which can cause it to extend past the fender line.

Understanding and selecting the proper backspacing is important for several reasons. First, it ensures there's enough clearance between the wheel and the suspension parts, as well as between the tire and the vehicle's body. Second, it influences the vehicle's stance, which affects both aesthetics and handling. Lastly, correct backspacing is essential for proper fitment, helping to avoid issues like rubbing or poor alignment that could lead to premature wear or safety concerns.



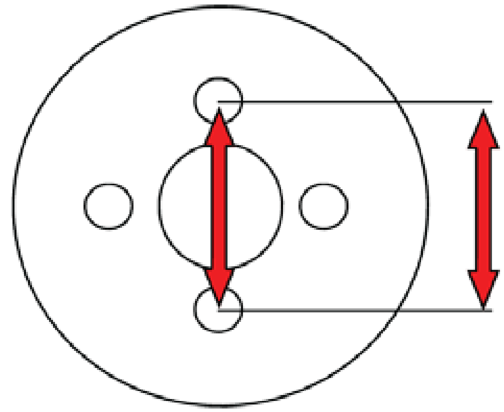
Ex: 20x9" Wheel

WHEEL STUD PATTERN MEASURING

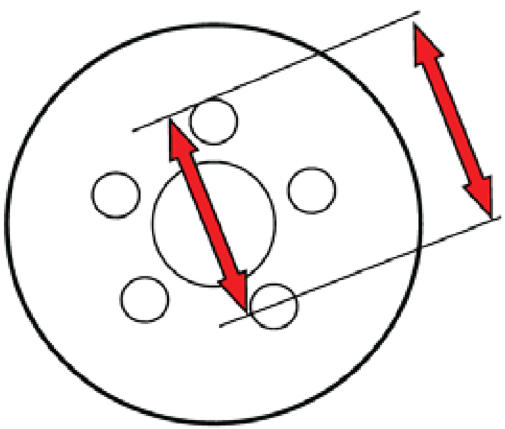
810.333.6100

Bolt Pattern

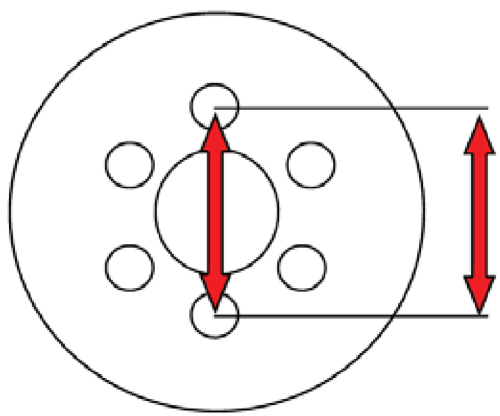
There are four common wheel patterns: four-lug, five-lug, six-lug, and eight-lug. The measurement method varies depending on the pattern.



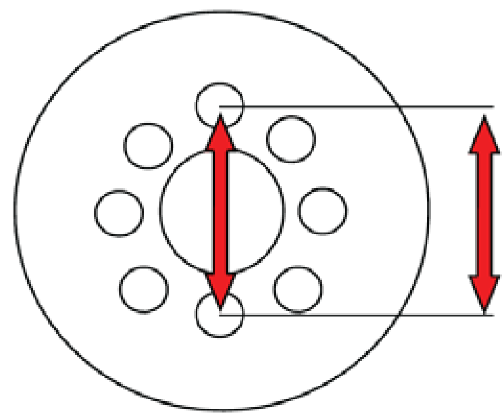
Four Lug Measure from the center of any two bolt holes that are directly opposite each other.



Five Lug Select two non-adjacent bolt holes and measure from the back of the first hole to the center of the second hole.



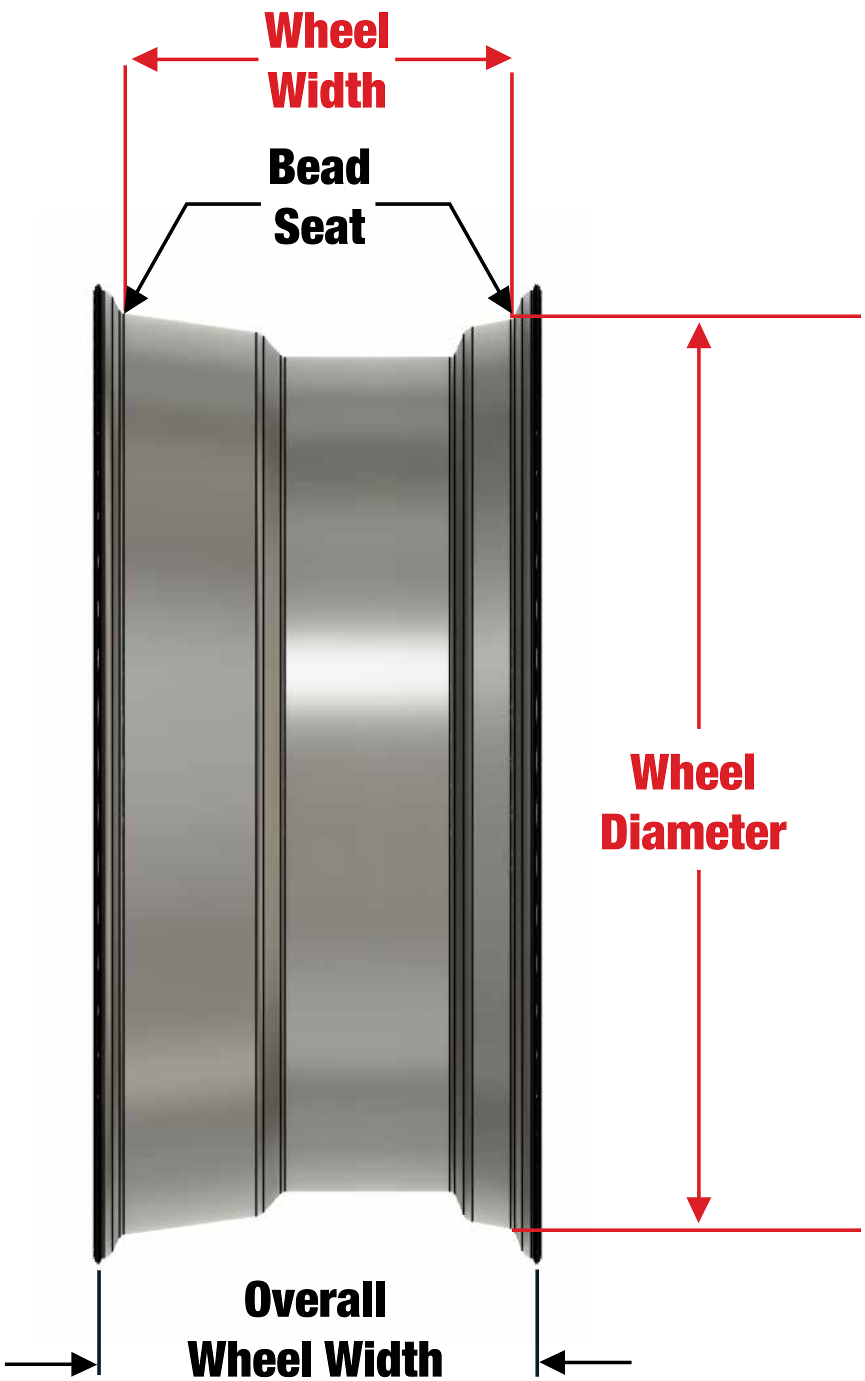
Six Lug Measure from the center of two holes that are directly opposite each other.



Eight Lug Measure from the center of two holes directly opposite each other.

WHEEL MEASURING: 20X9" RIM

810.333.6100

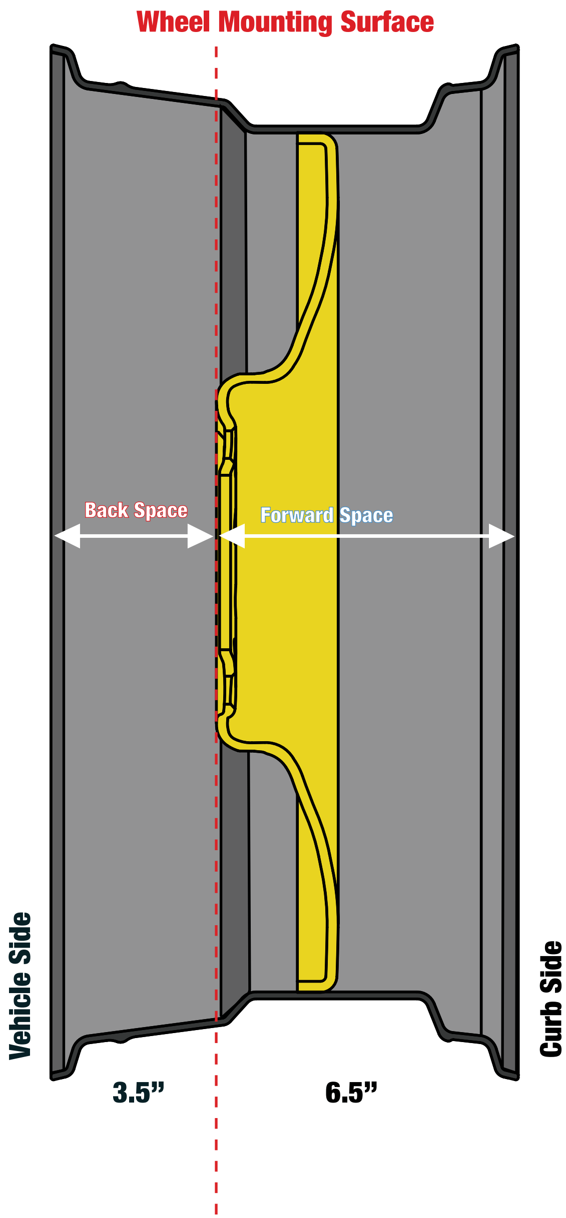


WHEEL CENTER MOVEMENT: 20X9" RIM

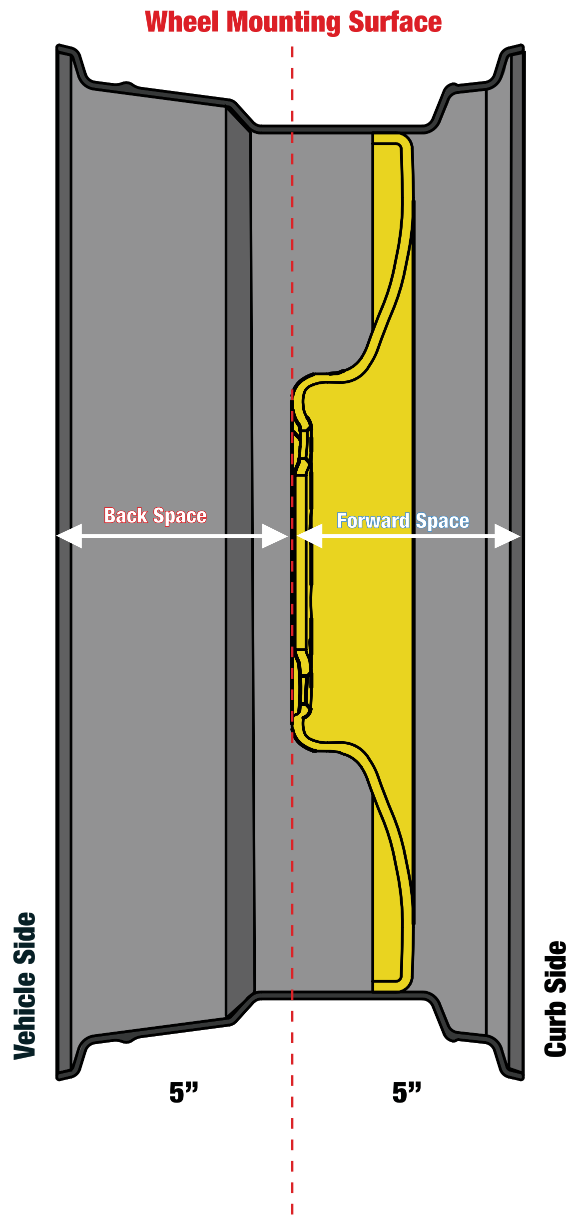
810.333.6100

Detroit STEEL WHEEL CO.

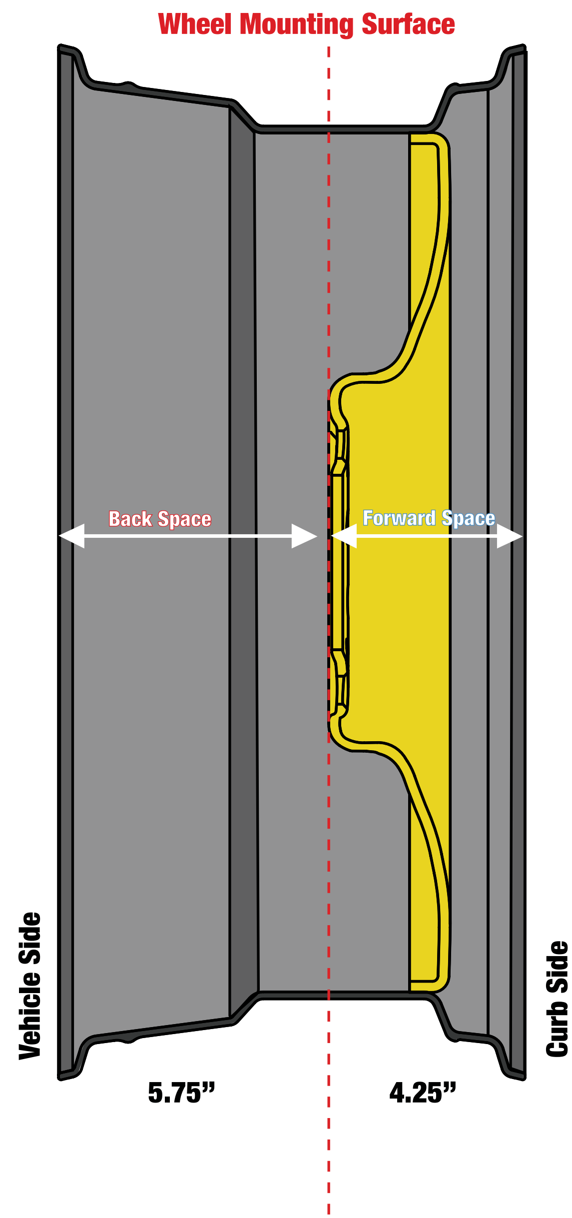
3.5” Back Space



5” Back Space



5.75” Back Space



MEASURING GUIDE FOR FRONT WHEEL FITMENT

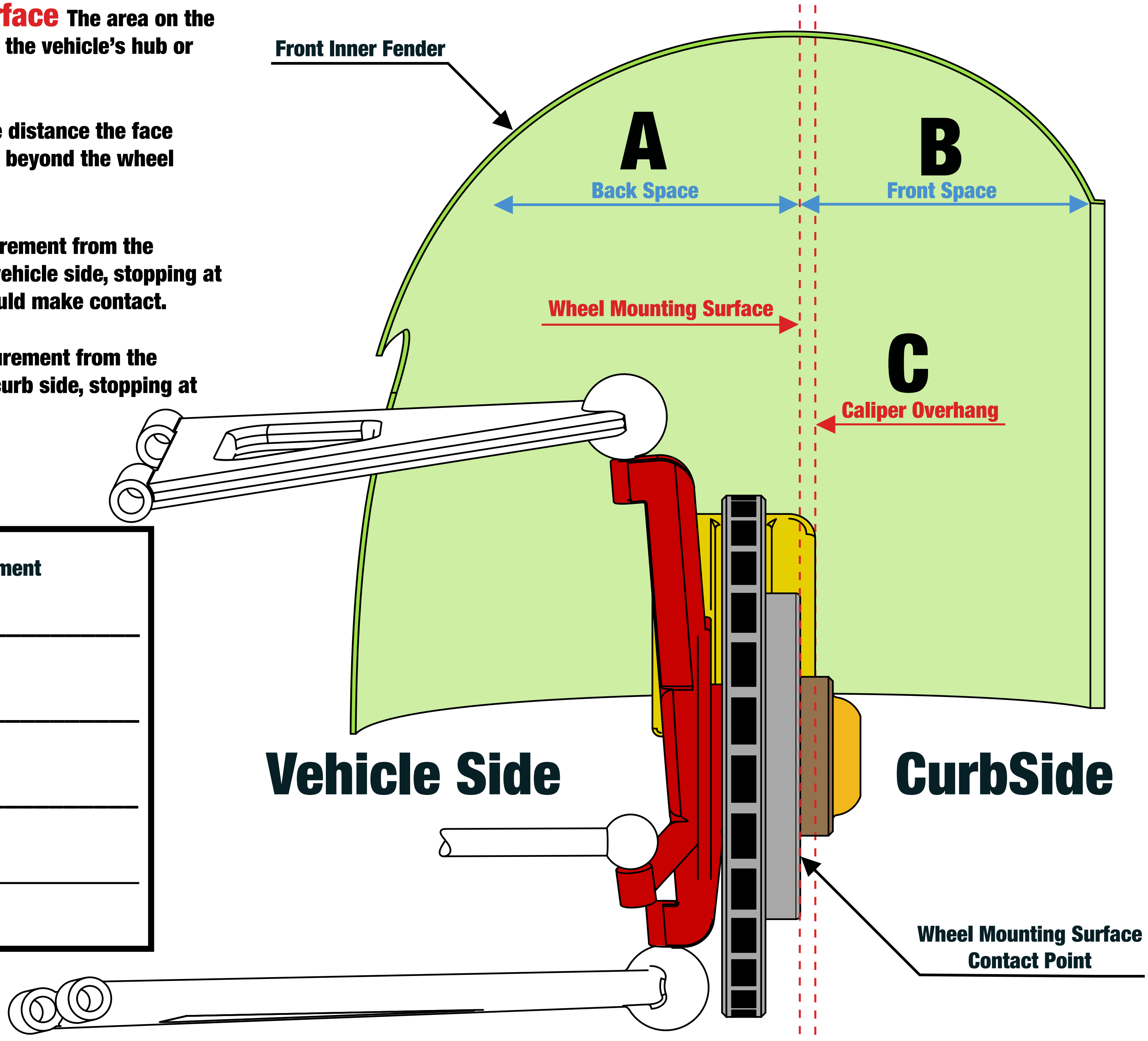
810.333.6100

Wheel Mounting Surface The area on the wheel that directly contacts the vehicle's hub or brake drum.

Caliper Overhang The distance the face of the brake caliper extends beyond the wheel mounting surface.

Back Space The measurement from the mounting surface towards vehicle side, stopping at the first point the wheel would make contact.

Front Space The measurement from the mounting surface towards curb side, stopping at the inner fender.



Front Wheel Fitment

A : ______________________

Back Space

B : ______________________

Front Space

C : ______________________

Caliper Overhang

D : ______________________

Bolt Pattern

MEASURING GUIDE FOR REAR AXEL WHEEL FITMENT 810.333.6100

Rear Axel Wheel Fitment

A : ______________________________

Back Space

B : ______________________________

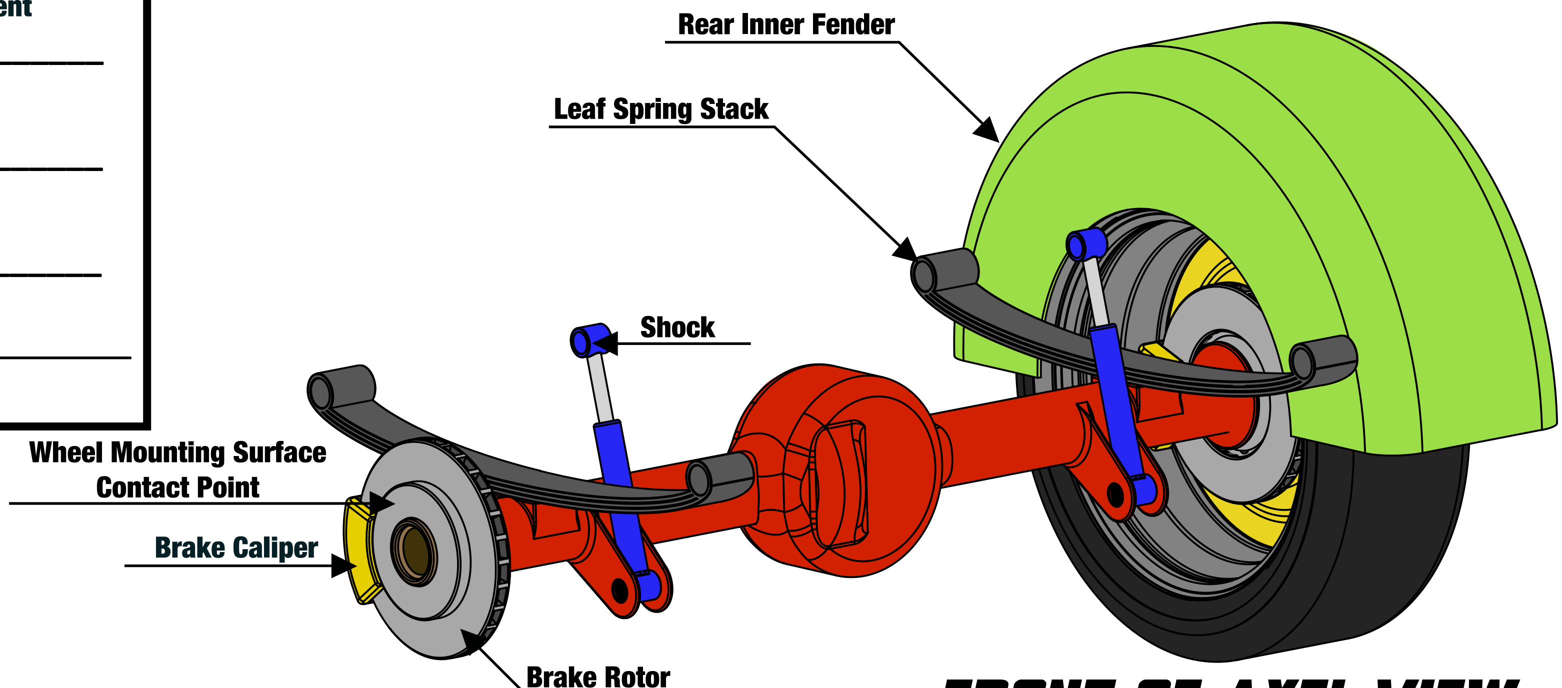
Front Space

C : ______________________________

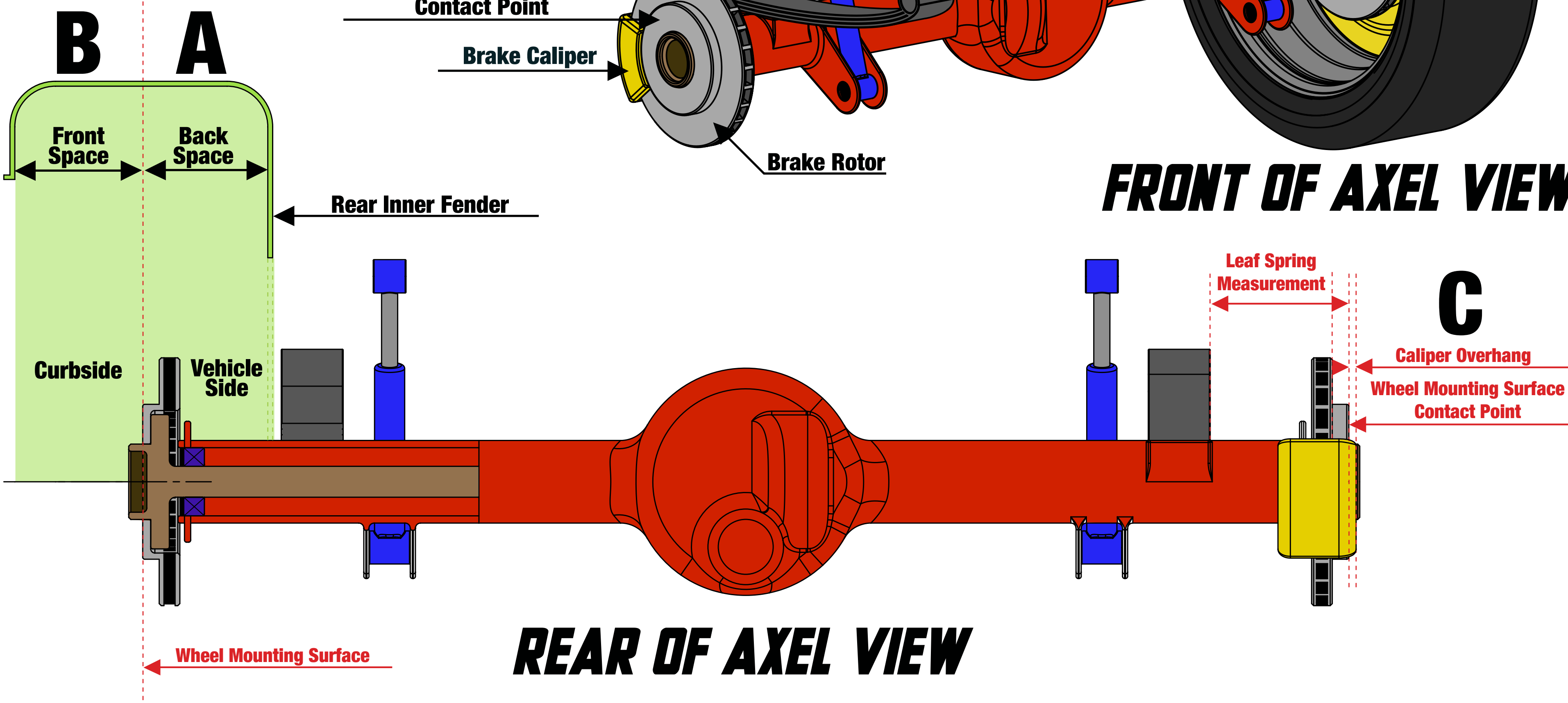
Caliper Overhang

D : ______________________________

Bolt Pattern



FRONT OF AXEL VIEW



REAR OF AXEL VIEW