

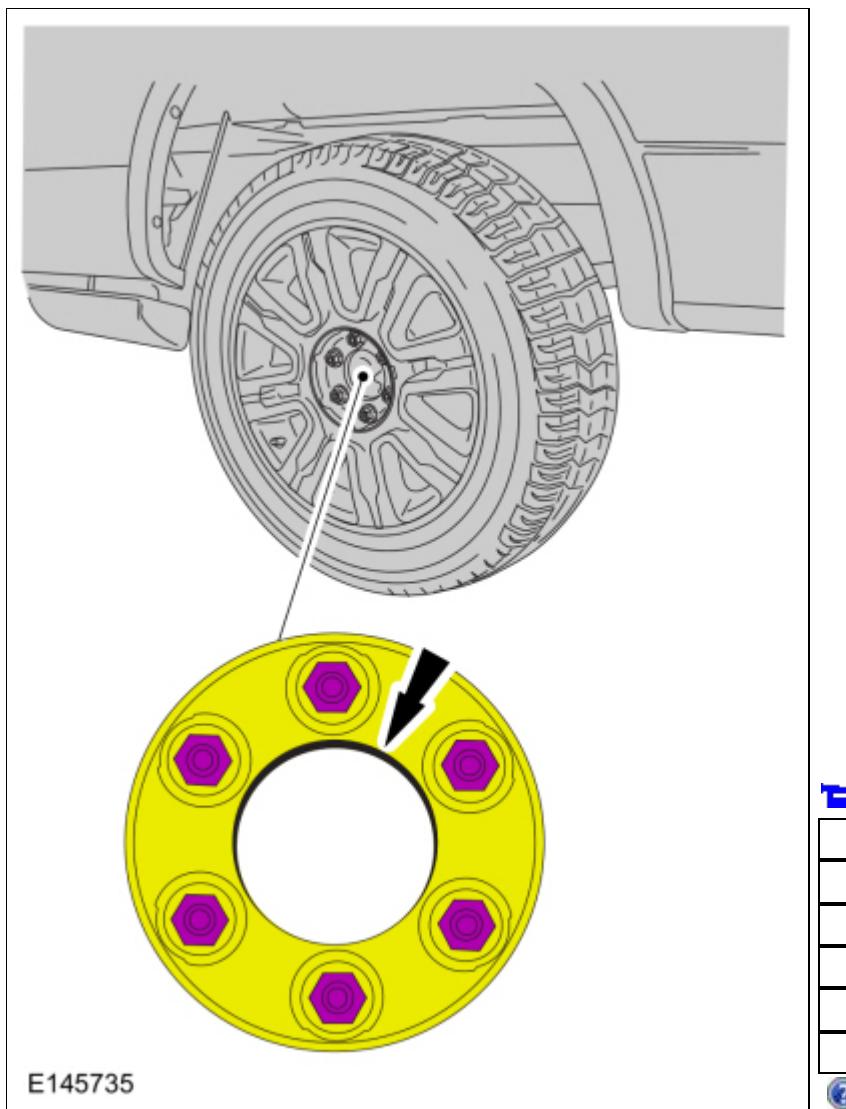
Wheel to Hub Runout Minimization

Check

NOTE: Wheel-to-hub optimization is important. Clearance between the wheel and hub can be used to offset or neutralize the Road Force® or run-out of the wheel and tire assembly. For every 0.001 inch of wheel-to-hub clearance, the Road Force® can be affected between 1 and 3 pounds depending on the tire stiffness.

1. **NOTE:** The example below illustrates how the clearance between the wheel and the hub can be used to offset the high spot of radial run-out or Road Force®. Following the procedure will make sure of the best optimization.

Position the wheel and tire assembly on the vehicle so that the high spot location of radial run-out or Road Force® is at the 6 o'clock position and install the wheel nuts by hand until snug.



2. **NOTE:** *Do not allow the full weight of the vehicle to rest on the tires while tightening the wheel nuts.*

Lower the vehicle until the tires make contact with the ground, slightly loading the suspension. Tighten the wheel nuts.

Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).

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