

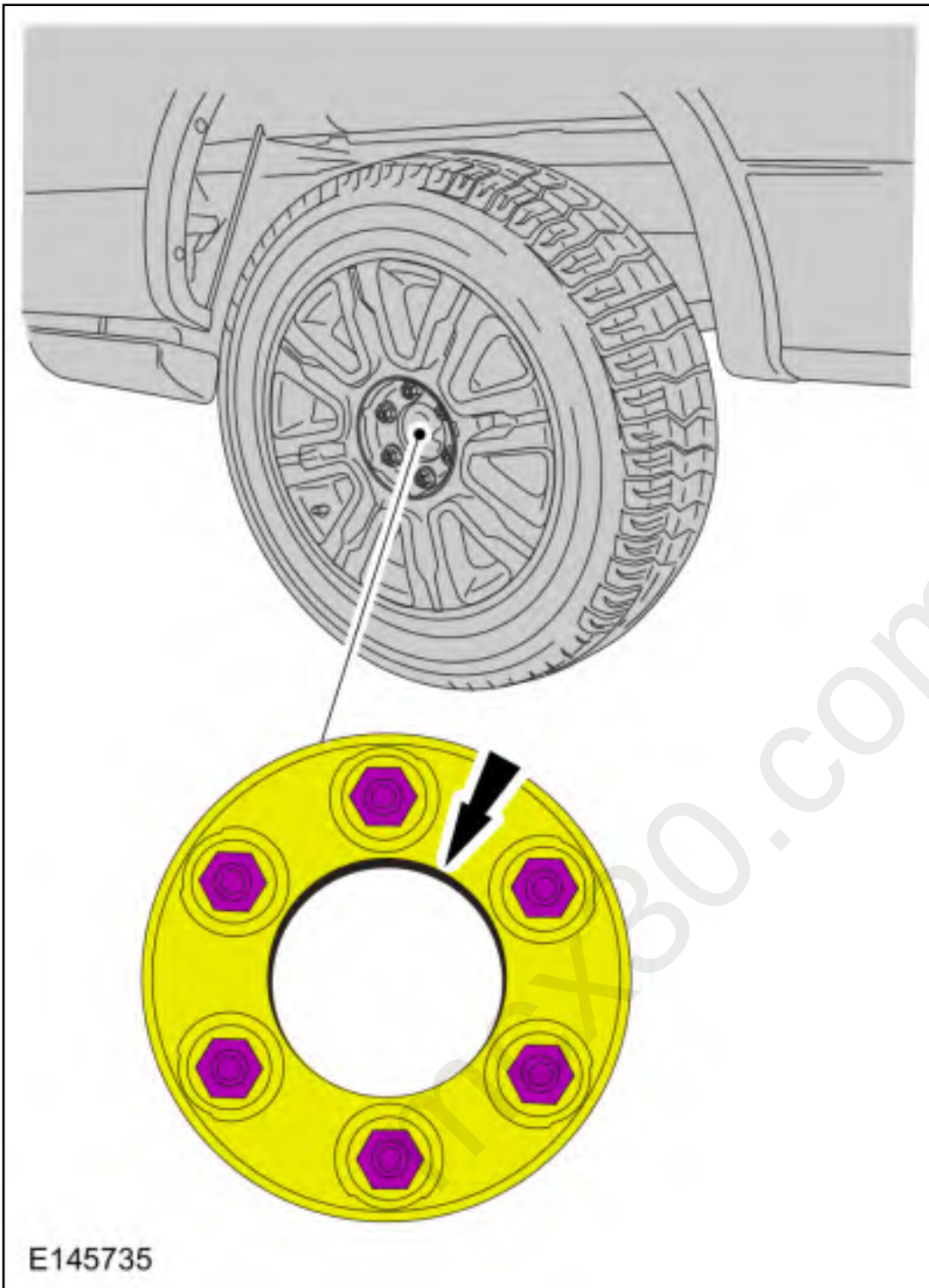
Wheel to Hub Runout Minimization

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).