

Wheel and Tire - Vehicles With: Single Rear Wheels

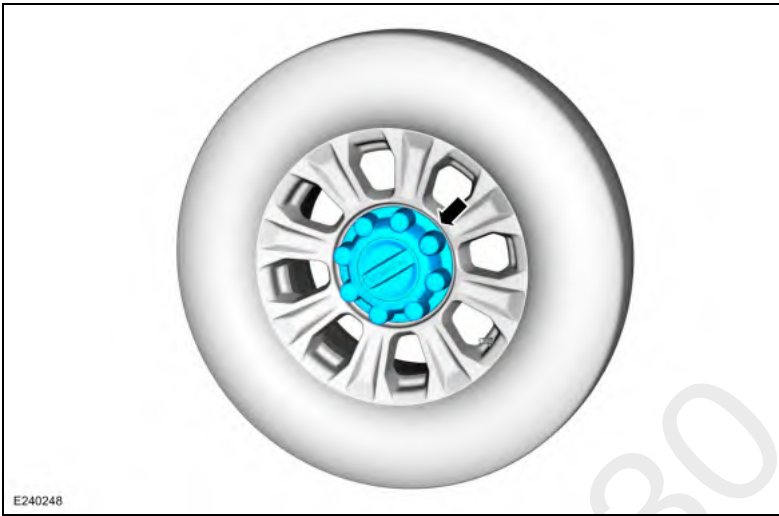
Materials

Name	Specification
Motorcraft® High Temperature Nickel Anti-Seize Lubricant XL-2	-
Motorcraft® SAE 5W-20 Full Synthetic Motor Oil XO-5W20-QFS	WSS-M2C945-A

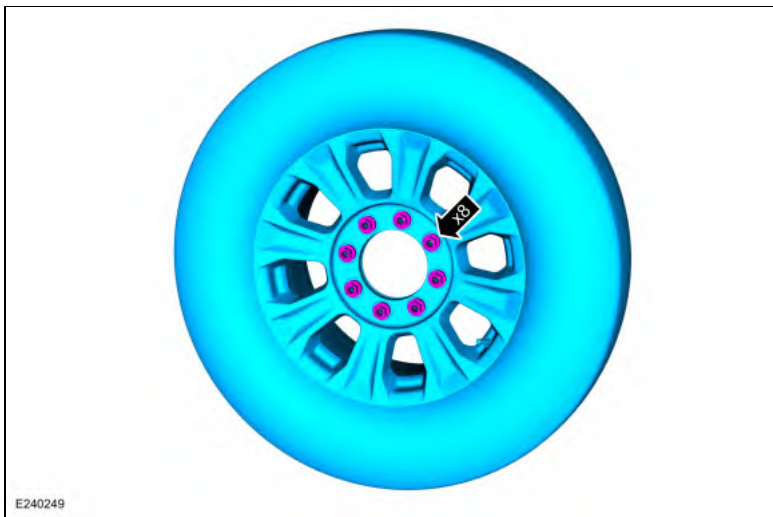
Removal

1. **NOTE:** Typical wheel cover shown, others may vary by application.

If equipped.
Remove the wheel cover.



2. Check the torque for all of the wheel nuts. If any wheel nuts have a torque above 312 Nm (230 lb-ft), install all new wheel studs on that wheel hub. For additional information, Refer to the appropriate section in Group 204 for the procedure.
3. With the vehicle in NEUTRAL, position it on a hoist.
Refer to: Jacking and Lifting - Overview (100-02 Jacking and Lifting, Description and Operation).
4. **NOTICE: Do not use heat to loosen a seized wheel nut or damage to the wheel and wheel bearing can occur.**
Remove the wheel nuts and the wheel and tire assembly.



E240249

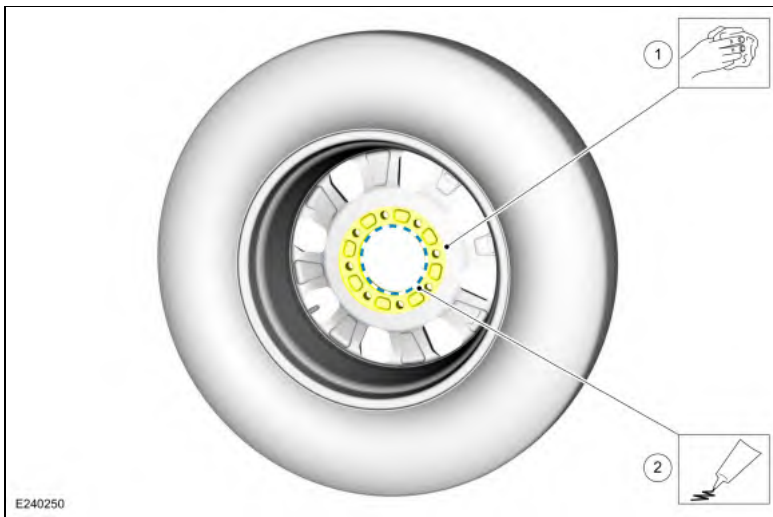


Installation

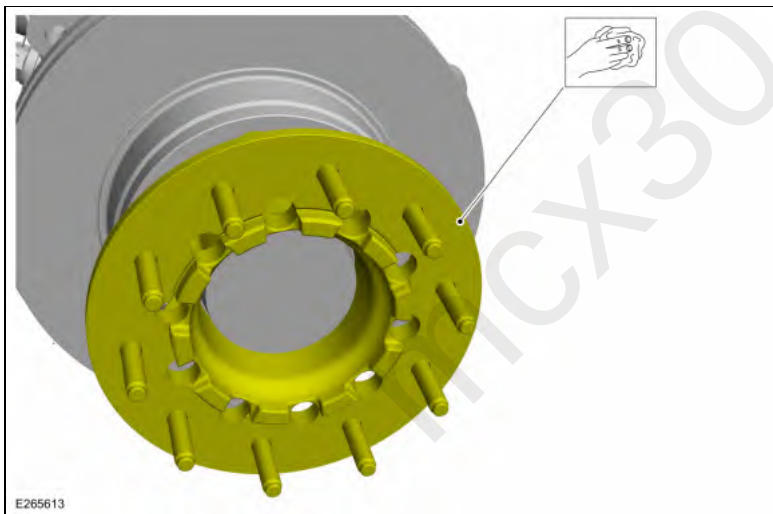
1. **WARNING:** When a wheel is installed, always remove any corrosion, dirt or foreign material present on the mounting surface of the wheel and the mounting surface of the wheel hub, brake drum or brake disc. Make sure that any fasteners that attach the rotor to the hub are secured so they do not interfere with the mounting surfaces of the wheel. Failure to follow these instructions when installing wheels may result in the wheel nuts loosening and the wheel coming off while the vehicle is in motion, which could result in loss of control, leading to serious injury or death to vehicle occupant(s).

NOTICE: Make sure to apply a thin coat of anti-seize lubrication only to the interface between the wheel pilot bore and the hub pilot. Do not allow the anti-seize to make contact with the wheel-to-brake disc/drum mounting surface, wheel studs, wheel nuts, brake pads or brake disc friction surfaces or damage to components may occur.

1. Clean the mounting surfaces.
2. Apply a thin coat of anti-seize to the wheel hub pilot surface (wheel only).
Material: Motorcraft® High Temperature Nickel Anti-Seize Lubricant / XL-2



2. Clean the wheel hub mounting surfaces.



3. **WARNING:** Use only the specified lubricant on the wheel studs as directed in the following procedure. Incorrect lubricant application may result in insufficient wheel nut torque, resulting in possible wheel/tire separation from the vehicle. Failure to follow this instruction may result in serious injury to the vehicle occupant(s).

NOTE: Do not allow oil to build up in the wheel stud threads. Only use 2 to 3 drops of oil per wheel hub.

Apply 2 to 3 drops of the specified motor oil to a clean shop towel. Using the shop towel, apply the oil to the wheel stud threads.

- Wipe off any excess oil from the wheel stud threads.

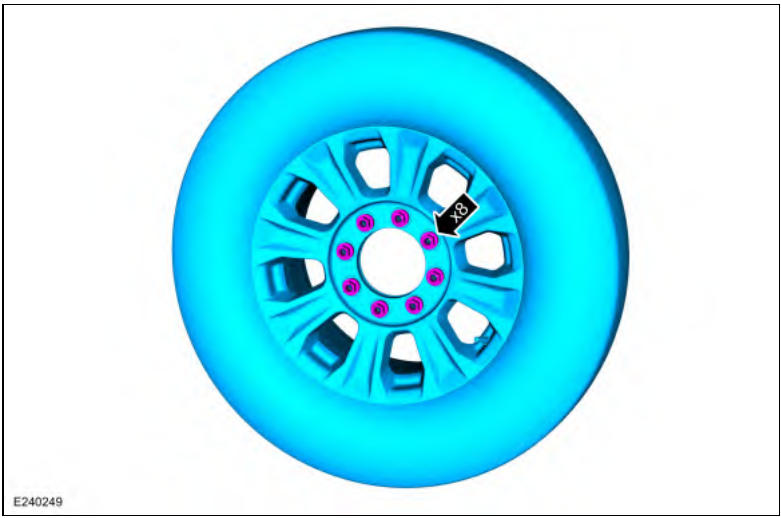
Material: Motorcraft® SAE 5W-20 Full Synthetic Motor Oil / XO-5W20-QFS (WSS-M2C945-A)



- Material:** Motorcraft® SAE 5W-20 Full Synthetic Motor Oil / XO-5W20-QFS (WSS-M2C945-A)



- Install the wheel and tire and install the wheel nuts.



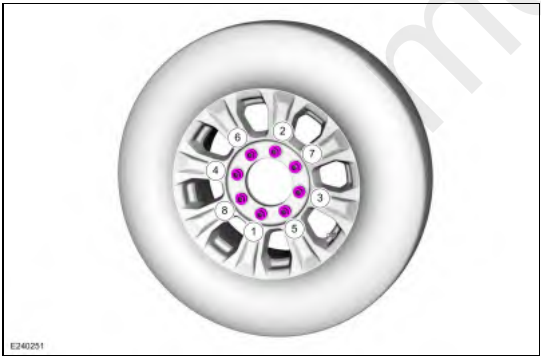
6. **WARNING:** Retighten wheel nuts within 160 km (100 mi) after a wheel is reinstalled. Wheels can loosen after initial tightening. Failure to follow this instruction may result in serious injury to vehicle occupant(s).

NOTICE: Failure to tighten the wheel nuts in a star/cross pattern can result in high brake disc runout, which accelerates the development of brake roughness, shudder and vibration.

NOTE: The wheel nut torque specification is for clean, dry wheel stud and wheel nut threads.

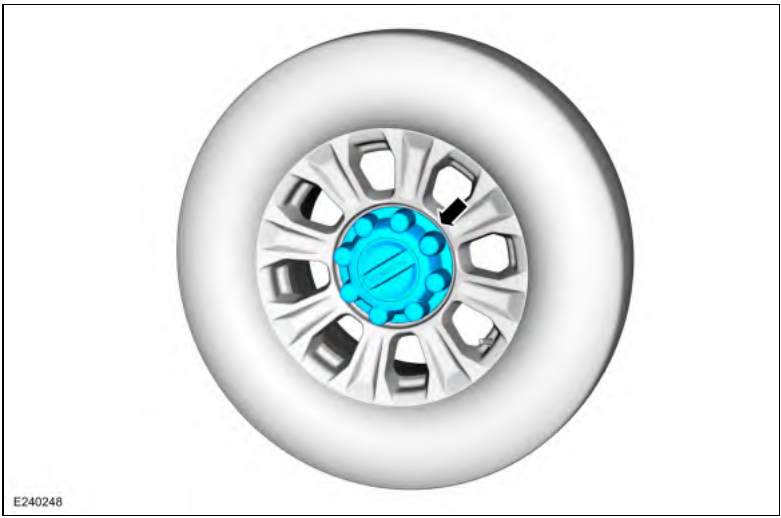
NOTE: Final tightening to be performed with vehicle resting on tires.

With the weight of the vehicle on the tires, tighten the wheel nuts.
Torque: 165 lb.ft (224 Nm)



7. If a vehicle vibration is experienced during the period between wheel installation and wheel nut retightening, follow the diagnostic and correction procedures outlined in the Symptom Chart and Pinpoint Tests.
Refer to: Wheels and Tires (204-04A Wheels and Tires, Diagnosis and Testing).

8. If equipped.
Install the wheel cover.



mcx30.com