



WARNING

It is important to maintain proper torque and to provide safe and secure attachment of the wheel to the hub/drum. Be sure to use wheel nuts that are compatible with the nut seat in the wheel. Improperly torqued wheel nuts can cause the wheel to separate from wheel mounting surface during operation. This could result in property damage, serious personal injury, or loss of life.

1. **CLEAN** mounting surfaces, **LUG NUTS & STUDS**. **DO NOT LUBE** lug joint unless specifically instructed in your owner's manual.
2. **START NUTS BY HAND** to prevent cross threading.
3. **TIGHTEN NUTS IN SEQUENCE** shown using a **CALIBRATED TORQUE WRENCH**. **DO NOT USE AN IMPACT WRENCH**. Wheel nut torque requirements vary depending on the size and manufacturer. **ALWAYS** use wheel Manufacturer's Recommendations.
4. Wheel **NUTS** should be **TORQUED** before **FIRST ROAD USE** and **AFTER EACH WHEEL REMOVAL**. Periodically **CHECK** and **RE-TORQUE** per Manufacturer's Recommendations.

Torque Guide & Settings

Coupling Mount Torque Settings

Coupling	Bolt Size	G 8.8	G 10.9
Non Braked	M10	45ft/lb 60Nm	60ft/lb 80Nm
Braked	M12	75ft/lb 100Nm	90ft/lb 120Nm

Note: Nylon insert nuts must have a minimum of THREE threads exposed past the nut when fully threaded.

Axle Component Torque Settings

Component	ft/lb	Nm
Wheel Nut - 7/16"	80ft/lb	110Nm
Wheel Nut - 1/2"	90ft/lb	120Nm
Brake Caliper	90ft/lb	120Nm
Brake Rotor	40ft/lb	55Nm
U Bolt - M12	30ft/lb	40Nm
U Bolt - M10	80ft/lb	110Nm
Unihub - Stake Nut	205ft/lb	280Nm
Hub Castle Nut	The nut should be tightened until snug, with no side-to-side play in the hub, then backed off slightly, about 1/4 of a turn.	

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