

AXLES AND SUSPENSION

Purpose

This document outlines the correct torque specifications and tightening sequence for fastening a wheel to a mobile home axle.

Safety

⚠ CAUTION

The "CAUTION" symbol above is a sign that a safety risk is involved and may cause personal injury and/or product or property damage if not safely adhered to and within the parameters set forth in this manual.

⚠ CAUTION

Always wear eye protection when performing this procedure. Other safety equipment to consider would be gloves and possibly a full face shield, depending on the nature of the procedure.

Resources

- Medium size torque wrench - 20 to 100 ft-lbs (27.1 to 135.6 Nm) range

Procedure

1. Position the tire and rim onto the hub/drum with the valve stem pointing outwards.
2. Install the wheel bolt through the rim clamp.
3. Thread the wheel bolt into the tapped hole on the hub/drum to prevent cross-threading. Make sure the "RIM" marking on the rim clamp is toward the tire and "WHEEL" side is against the drum/hub (Fig 1).

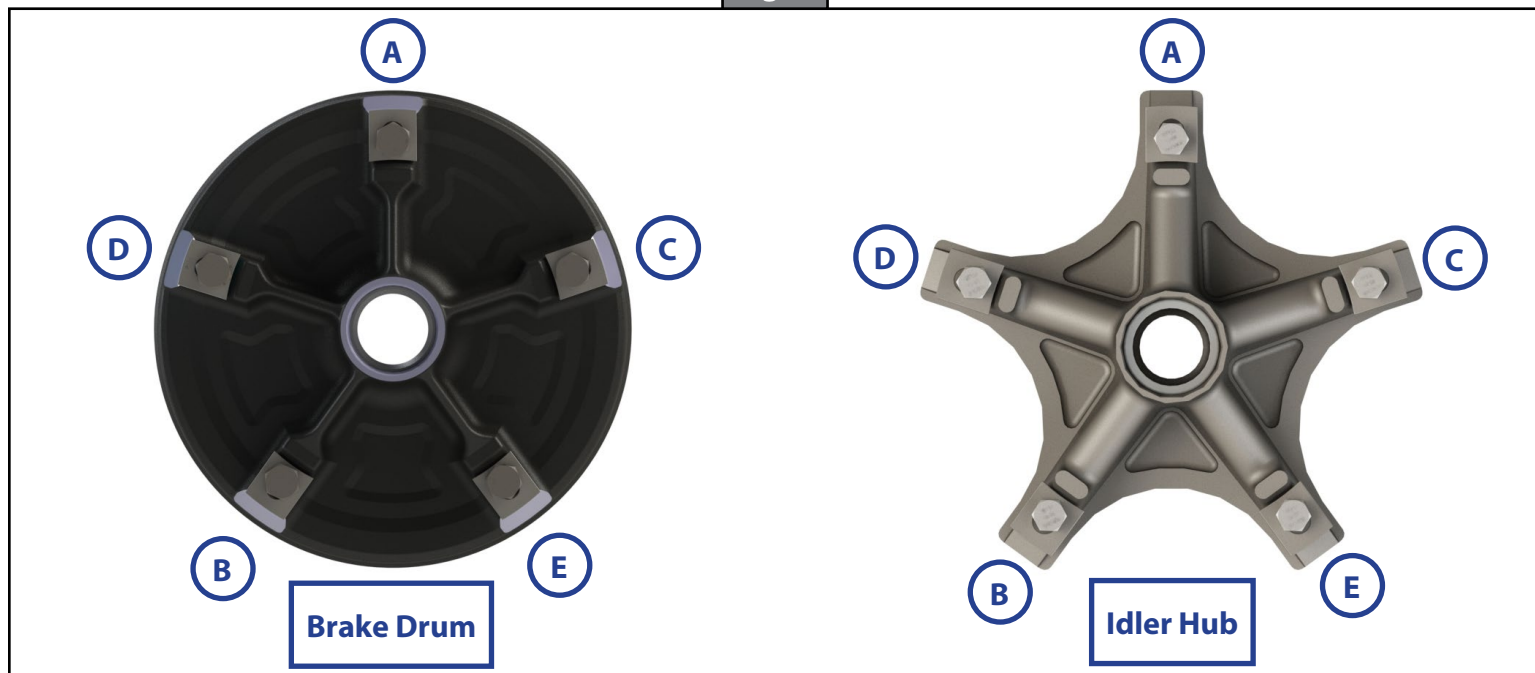
Fig. 1



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4. Snug all five wheel bolts up to finger tight to center the rim on the drum/hub.
5. Start the tightening sequence with the wheel bolt located at 12 o'clock. Tighten the wheel bolt to 25 ft-lbs (Fig. 2A).

Fig. 2



6. Tighten the wheel bolt located at approximately 7 o'clock to 25 ft-lbs (33.9 Nm) (Fig. 2B).
7. Tighten the wheel bolt located at approximately 2 o'clock to 25 ft-lbs (33.9 Nm) (Fig. 2C).
8. Tighten the wheel bolt located at approximately 10 o'clock to 25 ft-lbs (33.9 Nm) (Fig. 2D).
9. Tighten the wheel bolt located at approximately 5 o'clock to 25 ft-lbs (33.9 Nm) (Fig. 2E).
10. Repeat the tightening sequence to tighten bolts to the final torque of 85-95 ft-lbs (115.2 to 128.8 Nm).

NOTE: Running one wheel bolt down at a time to maximum torque will cause the rim to be off-center and fracture components, notably the rim clamp, bolt, or hub. Tightening in the specified manner will allow rim to pivot and be concentric to the hub assembly for maximum tread life and suspension performance.



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