

SERVICE BULLETIN NUMBER: WB-041417-1

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MODEL: Differentials

TOPIC: Drive Axle Tires

INSTRUCTIONS:

Improperly matched tandem drive axle tires will reduce tire, oil and component life and is a leading cause of premature wear and failure to driveline components!

Note: Many resources are available regarding tire wear, size, and measurements; this bulletin will not cover them all.

The best method is to match drive axle tires is by circumference and not diameter or tread depth.



Example: Diameter



Example: Tread Depth

You will need:

- Flat or endless tape measure to measure circumference.
- Flat surface to park the vehicle.
- Wheel chocks, jack and jack stands to support the axle.
- Tire pressure gauge to confirm PSI is correct per specification.
- Tire worksheet for recordings

WELLER

Safety FIRST! Review owner's manuals, service manuals, and other OE provided instructions.
Confirm tires are correct for vehicle specifications and use appropriate PPE.

Inspection:

1. Park the vehicle on a flat surface, and chock the wheels.
2. Confirm air PSI is correct per tire specifications.
3. Lift the tires off the ground.
4. Measure and record the circumference of all drive tires.

Note: General rule is that tire mismatch shouldn't exceed $\frac{3}{4}$ of an inch.

