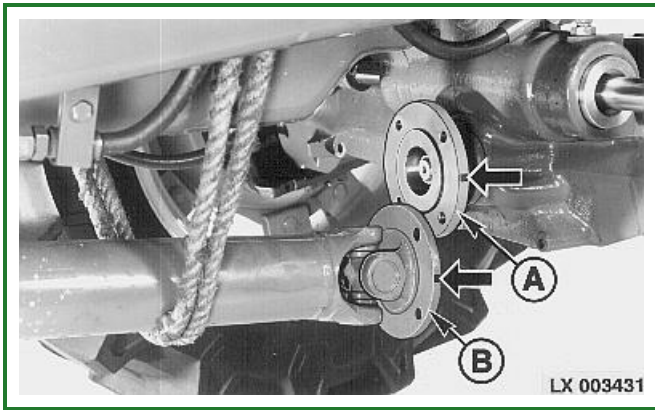


Positive Front Wheel Lead Check



LX003431-UN: Positive Front Wheel Lead Check

Positive front wheel lead: 1.5 to 4%

NOTE:

Observe correct positive front wheel lead. Incorrect front wheel lead causes excessive wear of tires and other components.

1. Check tire inflation pressures.
2. Mark drive flange of front wheel drive axle (A) and the flange of universal jointed shaft (B) (see arrows).
3. Secure universal jointed shaft with a rope as shown.

4.

CAUTION:

With tractor running, stay clear of moving parts.

Switch on front wheel drive and drive the tractor slowly forward in the lowest gear until the drive flange of the front wheel drive axle has turned 25 times.

NOTE:

When the drive flange has turned 25 times, the universal jointed shaft should have turned 25.5 to 26 times, which represents a positive front wheel lead between 2% and 4%. If positive front wheel lead is not correct, check the tire combination (see Operator's Manual).

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Operational Check of Front Wheel Drive Axle

Before the operational check:

1. Perform a visual check. Pay attention to possible damage on front wheel drive axle, rims and tires. Also pay attention to oil leakage at steering cylinder and axle.
2. Tighten all wheel bolts to the specified torque and check the tire pressure. See relevant Operator's Manual.
3. Check all oil levels.

Correct oil levels, see references "Planetary Drive — Fill with Oil" in Group 10 and "Axle Housing — Fill with Oil" in Group 20.

4. Evaluating the tire profile of the front wheels:
 - More wear on the outside indicates too much toe-in
 - More wear on the inside indicates not enough or even negative toe-in

See reference "Checking and Adjusting Tread (Basic Adjustment)" in Group 05 and relevant Operator's Manual.

NOTE:

Tire profile deformations may occur depending on the tractor operating conditions. If, for example, the tractor is often operated on the road the profile will show V-shaped wear. Refer to the Operator's Manual for more information.

Operational check:

CAUTION:

Take extra care to avoid personal injury during these checks. Always perform checks which involve driving the tractor on an area that is large enough, well visible and not open to public traffic.

CAUTION:

Follow safety and repair instructions, see reference "General Safety and Repair Information" in Group 01.

1. Pay attention to unusual noise and reactions of the front wheel drive axle at all times when performing the following steps.
2. Start the engine, run it at mid idle, keep the tractor stationary and steer in both directions.

Neither the wheels nor the fenders must contact the tractor at full turn.
3. Drive the tractor forward at walking speed and turn the steering wheel alternately fully left and right.