TIE ROD END / WHEEL HUB INSPECTION

 To check for play in the tie rod end (i), grasp the steering tie rod, pull in all directions feeling for movement.



- Replace any worn steering components. Steering should move freely through entire range of travel without binding.
- Elevate front end of machine so front wheels are off the ground. Check for any looseness in front wheel/ hub assembly by grasping the tire firmly at top and bottom first, and then at front and rear. Try to move the wheel and hub by pushing inward and pulling outward.



 If abnormal movement is detected, inspect the hub and wheel assembly to determine the cause (loose wheel nuts or loose front hub nut).

WHEEL TOE ALIGNMENT INSPECTION

NOTE

Make sure tire pressures are set the same on the right and left tires.

- Place machine on a smooth level surface and set steering wheel in a straight shead position. Secure the steering wheel in this position.
- Place a chalk mark on the center line of the front tires approximately 10 in (25.4 cm) from the floor or as close to the hub/axie center line as possible.



NOTE

It is important the height of both marks be equally positioned to get an accurate measurement.

- Measure the distance between the marks and record the measurement. Call this measurement "A".
- Rotate the tires 180° by moving the vehicle forward. Position chalk marks facing rearward, even with the hublade center line.
- 5. Again measure the distance between the marks and record. Call this measurement "B". Subtract measurement "B" from measurement "A". The difference between measurements "A" and "B" is the vehicle toe alignment. The recommended vehicle toe tolerance is 1/6-1/4 in (3.2-6.4 mm) toe out. This means the front of the tire (A) is 1/8-1/4 in (3.2-6.4 mm) wider than the measurement at the rear (B).

MEASUREMENT

Wheel Toe-Out (A) - (B): 1/8-1/4 in (3.2-6.4 mm) 8

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