



How do I adjust my wheel bearing end play?

WHEEL BEARING ADJUSTMENT

1. Install adjusting nut so that pin on nut faces away from the hub.
2. Tighten inner nut to 200 ft. lbs. while rotating the hub in both directions.
3. Completely loosen the inner nut, and then retighten to 50 ft. lbs. while rotating the hub in both directions.
4. Loosen the inner nut $\frac{1}{4}$ turn. Do not include socket backlash in the $\frac{1}{4}$ turn.
5. Install the lock washer. If the hole in the lock washer is not aligned with inner nut pin, remove the washer, turn it over and reinstall. If the washer hole is still not aligned with the pin, loosen the inner nut slightly until the hole and pin are aligned.

Note: The washer may have to be reversed again with minimum loosening of the nut

6. Install the jam nut; Torque to 300 ft-lbs.
7. Check the hub end play with a magnetic base and dial indicator.
 - a) Place the magnetic base and indicator on the end of the spindle. Touch dial indicator stem to hubcap gasket face.
 - b) Slightly rotate the hub & drum in both directions while pushing inward until the dial indicator reading does not change.
 - c) Set the dial to zero.
 - d) Slightly rotate the hub & drum in both directions while pulling outward until the dial indicator reading does not change.
 - e) Read the end play from the dial indicator.
8. End play needs to be between .001" and .005", as measured with a dial indicator. No preload. Preload will cause bearing to fail.
 - a) If the end play is less than .001", loosen the jam nut; Repeat steps 1 through 8, and re-torque to 300 ft. lbs.
 - b) If the end play is greater than .005", repeat steps 6 & 7 and recheck.
9. Continue to repeat Steps 6 & 7 as necessary until the end play is within the acceptable range.
10. Bend tabs on lock washer over opposite flats of the jam nut.

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