

Wheel Bearing and End Play Adjustment Procedures



WHEEL BEARING ADJUSTMENT PROCEDURE

STEP 1: Lubricate the wheel bearing with clean axle lubricant of the same type used in the axle sump or hub assembly. Note: Never use an impact wrench when tightening or loosening lug nuts or bolts during the procedure.								
INITIAL ADJUSTING NUT TORQUE	INITIAL BACK OFF	FINAL ADJUSTING NUT TORQUE	BACK OFF			JAM NUT TORQUE		ACCEPTABLE END PLAY
			AXLE TYPE	THREADS PER INCH	FINAL BACK OFF	NUT SIZE	TORQUE SPECIFICATIONS	
STEP 2	STEP 3	STEP 4		STEP 5	STEP 6	STEP 7		STEP 8
200 lb•ft (271 N•m) WHILE ROTATING WHEELS	ONE FULL TURN	50 lb•ft (68 N•m) WHILE ROTATING WHEELS	STEER (FRONT) NON-DRIVE	12	1/6 TURN *	INSTALL COTTER PIN TO LOCK AXLE NUT IN POSITION		.001"-.005" (.025mm-.127mm)
				18	1/4 TURN *			
				14	1/2 TURN	LESS THAN 2 5/8" (66.7mm)	200-300 lb•ft (271-407 N•m)	
				18				
			DRIVE	12	1/4 TURN	DOWEL TYPE WASHER	300-400 lb•ft (407-542 N•m)	AS MEASURED PER PROCEDURE WITH DIAL INDICATOR
				16		TANG TYPE WASHER**	200-275 lb•ft (271-373 N•m)	
			TRAILER	12	1/4 TURN	2 5/8" (66.7mm) and over	300-400 lb•ft (407-542 N•m)	
				16				

* If dowel pin and washer (or washer tang and nut flat) are not aligned, remove the washer, turn it over, and reinstall. If required, loosen the inner (adjusting) nut just enough for alignment.
 ** Bendable type washer lock only: Secure nuts by bending one wheel nut washer tang over the inner and outer nut. Bend the tangs over the closest flat perpendicular to the hang.