

socket without the handle. If not aligned for cotter pin installation, tighten until installation is possible. Preload at hub (while turning) should be within specifications listed in Bearing Preload Specifications table.

Bearing Preload Specifications

Application	Preload Lbs. (kg)
Celica, Corolla & Supra.....	.7-1.5 (.3-.7)
Corona.....	.8-1.9 (.35-.87)
Cressida.....	.9-2.2 (4.1)

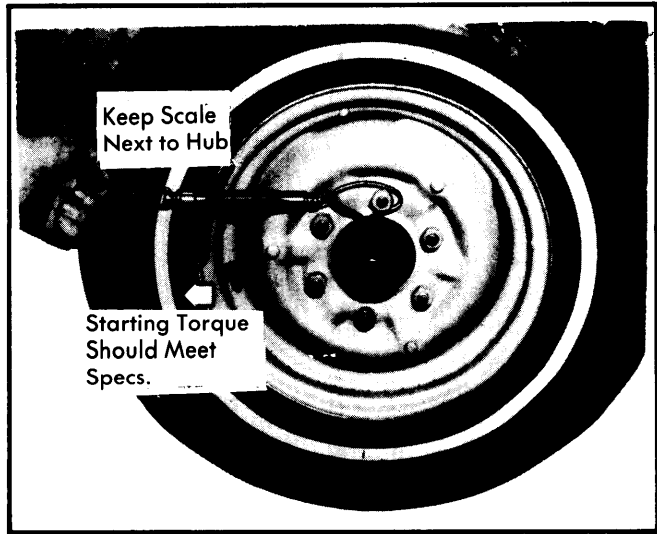


Fig. 2 Using a Pull Scale to Measure Toyota Wheel Bearing Starting Torque

TRIUMPH

Spitfire — Raise and support front of vehicle, then remove wheel and brake caliper. Attach a dial indicator and measure wheel bearing end play. If end play exceeds .003-.005" (.08-.13 mm), remove cotter key and loosen or tighten spindle nut until end play is within specifications. Install new cotter key.

NOTE — Do not exceed 5 ft. lbs. (.7 mkg) when torquing spindle nut.

TR7 & TR8 — Raise and support front of vehicle; remove tire and wheel. Check hub for excessive end play. If adjustment is necessary, remove grease cap and cotter pin. Tighten spindle nut to 5 ft. lbs. (.7 mkg), then back nut off 1 flat and install cotter pin.

VOLKSWAGEN

Vanagon (Front) — Tighten spindle nut firmly to seat bearings while turning hub. Back off nut. Wheel bearing is correctly adjusted when thrust washer can be moved slightly with a screwdriver and finger pressure. After adjustment,peen flange of spindle nut over spindle.

Vanagon (Rear) — No adjustment required. Tighten axle nut to 253 ft. lbs. (35 mkg) while rotating wheel to seat bearings. Always replace cotter pin.

All Others (Front) — Front wheel bearings are pressed into bearing housing and no adjustment is required. Tighten front axle nut on Dasher to 145 ft. lbs. (20 mkg) for M 18x1.5 nuts or 175 ft. lbs. (24 mkg) for M 20x1.5 nuts. For Rabbit and Scirocco models tighten nuts to 175 ft. lbs. (24 mkg).

All Others (Rear) — Wheel bearings are correctly adjusted if thrust washer can be moved slightly with a screwdriver. This will provide axial play of approximately .001-.003" (.025-.076 mm).

VOLVO

All Models — While rotating hub, torque nut to 50 ft. lbs. (6.9 mkg). Loosen nut 1/3 turn and check for hub rotating freely with no end play. If necessary to align cotter pin holes, loosen nut and install cotter pin.

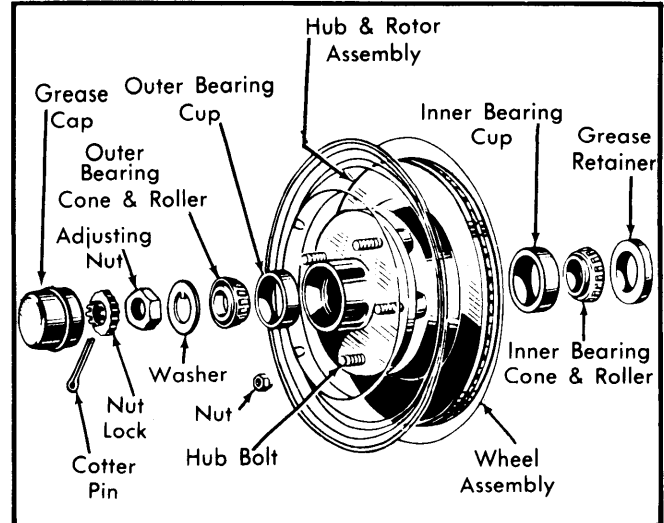


Fig. 3 Exploded View of Wheel Bearing Components With Disc Brakes