

AUDI SPECIFICATIONS & ADJUSTMENTS

TIRE INFLATION (COLD)

Before attempting to check and adjust wheel alignment, ensure tires are properly inflated. Model 100 requires 26 psi in front and 28 psi in rear. Fox requires 24 psi in front and 27 psi in rear.

CASTER

Fox — Caster angle is not adjustable. However, if not to specifications, check suspension for wear or damage and repair or replace necessary components.

Model 100 — Caster and camber adjustment must be made at the same time. See *Camber adjustment procedure*.

CAMBER

Fox — With vehicle loaded down or placed on blocks, measure camber angle. If not to specifications, adjust by loosening ball joint mounting bolts and moving ball joint sideways on control arm until correct camber is obtained. Tighten ball joint mounting bolts and recheck camber angle.

Model 100 — 1) With vehicle equipped with spare tire and full fuel tank, measure caster and camber angle. If not to specifications, remove inner ball joint-to-lower control arm mounting bolt and install camber adjusting tool (US 9020) as shown in Fig. 1. Install and slightly tighten an 8 mm bolt and washer in threaded hole between inner and outer ball joint mounting bolts on lower control arm, then loosen outer mounting bolt. Tighten tensioner bolt on adjusting tool to break loose ball joint, then tighten or loosen tensioner bolt until camber angle is set to specifications.

2) To adjust caster angle, leave camber adjusting tool installed to maintain adjusted camber angle, then install caster adjusting tool as shown in Fig. 7. Adjust caster angle to specifications by moving ball joint forward or backward by means of adjusting tool. Hold adjusting tool stationary and

tighten outer ball joint mounting bolt to 80 ft. lbs. (11 mkg). Remove caster and camber adjusting tools and tighten inner bolt to 47 ft. lbs. (6.5 mkg), then remove 8 mm bolt and washer.

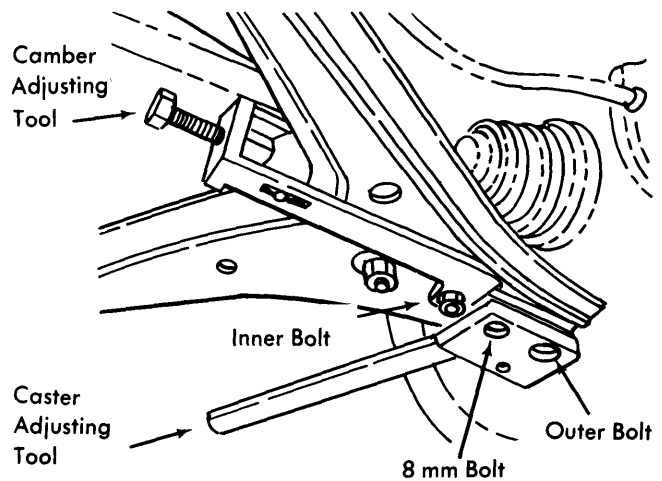


Fig. 1 Adjusting Caster and Camber on Audi 100

TOE-IN

All Models — Before checking toe-in, check wheel rim run-out and replace rim if necessary. If toe-in is not to specifications, adjust by loosening tie rod outer locking nut and clamp and turning tie rods until correct toe-in is obtained. Tighten lock nut and clamp and recheck toe-in.

WHEEL ALIGNMENT SPECIFICATIONS					
Application	Caster (Degrees)	Camber (Degrees)	Toe-In (Inches)	Toe-Out On Turns (Degrees)	
				Inner	Outer
Fox	$\frac{1}{2} \pm \frac{1}{2}$	$\frac{1}{2} \pm \frac{1}{3}$	0 to $\frac{5}{64}$
Model 100	$\textcircled{1} 0 \pm \frac{1}{4}$	$0 \pm \frac{1}{2}$	$\frac{3}{64}$ to $\frac{1}{8}$

$\textcircled{1}$ — With power steering set to $-\frac{1}{2} \pm \frac{1}{4}^\circ$