

Ball Joint Checking

RENAULT

All Models — Inspect ball joints for wear or excessive play. Replace ball joints as necessary.

SAAB

Check ball joints for excessive play or looseness. Replace components as necessary.

SUBARU

Check ball joints for excessive play or looseness. Also check rubber boot for damage. Replace components as necessary.

TOYOTA

On all models except Pickup with 4WD and Land Cruiser, check ball joints for damaged rubber boot, excessive looseness or play. On Pickup models, replace ball joints (upper and/or lower) as necessary. On all other models, replace lower control arm with ball joint if ball joint is found damaged or worn excessively.

TRIUMPH

All Models — Inspect ball joints for excessive wear or play. Replace ball joint as necessary. See *Triumph* in *SUSPENSION* Section.

VOLKSWAGEN

Type 1 & 2 — Measure distance between top of lower ball joint and steering knuckle using a vernier caliper. Record

measurement. Lever wheel or suspension so as to move ball joint. Record ball joint movement. Difference between measurements is ball joint play. Refer to table for wear limits.

All Other Models — Raise and support, then turn steering to one side. Install suitable levering tool so that ball joint spring may be compressed. With spring compressed, position a vernier caliper with lower jaw on ball joint stud and upper jaw on top of clamping bolt for ball joint stud. Note reading. Slowly release tension from spring and note travel of caliper. This reading indicates ball joint play. If specified play is exceeded, replace ball joint. See *Volkswagen* in *SUSPENSION* Section.

Application	Ball Joint Specifications	
	New	Used
Type 1		
Upper Ball Joint	.020" (.50 mm)	.040" (1.0 mm)
Lower Ball Joint	.020" (.50 mm)	.080" (2.0 mm)
Type 2	.012" (.3 mm)	.080" (2.0 mm)
Dasher, Rabbit		
Scirocco	.040" (1.0 mm)	.100" (2.5 mm)

VOLVO

All Models — Maximum permitted axial play for lower ball joint is .12" (3 mm). Check ball joint by prying back and forth with a bar. If specifications are exceeded, replace ball joints. See *Volvo* in *SUSPENSION* Section.