

MOOG**THE PROBLEM SOLVER®****DID ■ YOU ■ KNOW?****ADVICE FOR THE PROFESSIONAL****Overview**

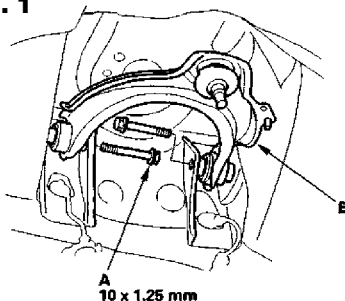
When replacing the upper ball joint on the vehicles listed below, technicians may sometimes replace the entire upper control arm to replace the front upper ball joint. This is unnecessary because the ball joint is a press fit design and the control arm can be reused.

Models affected:

Make/Model	Years	MOOG Part No.
Acura CL	2001-2003	K90336
Acura TL	1998-2003	
Honda Accord	1998-2002	K80199
Acura TSX	2004-2008	
Honda Accord	2003-2007	K90469
Honda Civic	1992-2000	

Removal Procedure

1. Raise and support the vehicle under the frame and remove the wheel and tire assembly and front damper.
2. Remove the wheel sensor bracket nut from the upper arm.
3. Using a suitable tool, separate the stud from the steering knuckle tapered hole.

Fig. 1**Con't next column****Removal Procedure (con't)**

4. Remove the flange bolts (A) from the upper arm (B). (See Figure 1.)
5. Secure upper suspension arm and ball joint assembly in a bench vice. Separate the ball joint from the upper suspension arm using a suitable press tool.
6. Inspect the ball joint contact area of the upper suspension arm and make sure it is clean and free of cracks.
WARNING: IF ANY CRACKS ARE FOUND, THE UPPER SUSPENSION ARM MUST BE REPLACED!

**K80199 shown****Installation Procedure**

1. Clean the steering knuckle tapered hole. Insert the new ball joint stud through the steering knuckle tapered hole by hand and check fit of the stud taper to the knuckle.
2. **ALIGN MATING MARKS** of ball joint and suspension arm. Using a suitable

Con't next column**Installation Procedure (con't)**

- press tool, press the ball joint squarely into the arm until the shoulder on the housing is firmly seated against the suspension arm. **IF THE MATING MARK ON THE SUSPENSION ARM CANNOT BE LOCATED, POSITION MARK ON BALL JOINT AWAY FROM THE WHEEL.** See Problem Solver Bulletin: 27028-R.
3. Install the ball joint per the instructions provided with the part.
 4. Position upper suspension arm (with attached new upper ball joint) on the vehicle. **IMPORTANT: Be sure to position the upper suspension arm at normal ride height.**
 5. Secure with flange bolts. Tighten flange bolts to 47 ft. lbs. (64 Nm). (See Figure 1.)
 6. Thoroughly clean the tapered hole of the steering knuckle before assembly of the stud with the knuckle. Insert the stud of the new ball joint through the tapered hole of the knuckle.
 7. Install new slotted nut and torque to 29-35 ft. lbs. (39-47 Nm). Install new cotter pin.
 8. If applicable, install grease fitting and lubricate.
 9. Attach the wheel sensor bracket to the suspension arm. Tighten the nut to 6.9 ft. lbs. (9.3 Nm).
 10. Install front damper. Install the wheel and torque to O.E. specifications. Lower the vehicle to the floor.
 11. Align the front end of the vehicle to specifications. A check of the wheel balance is recommended.