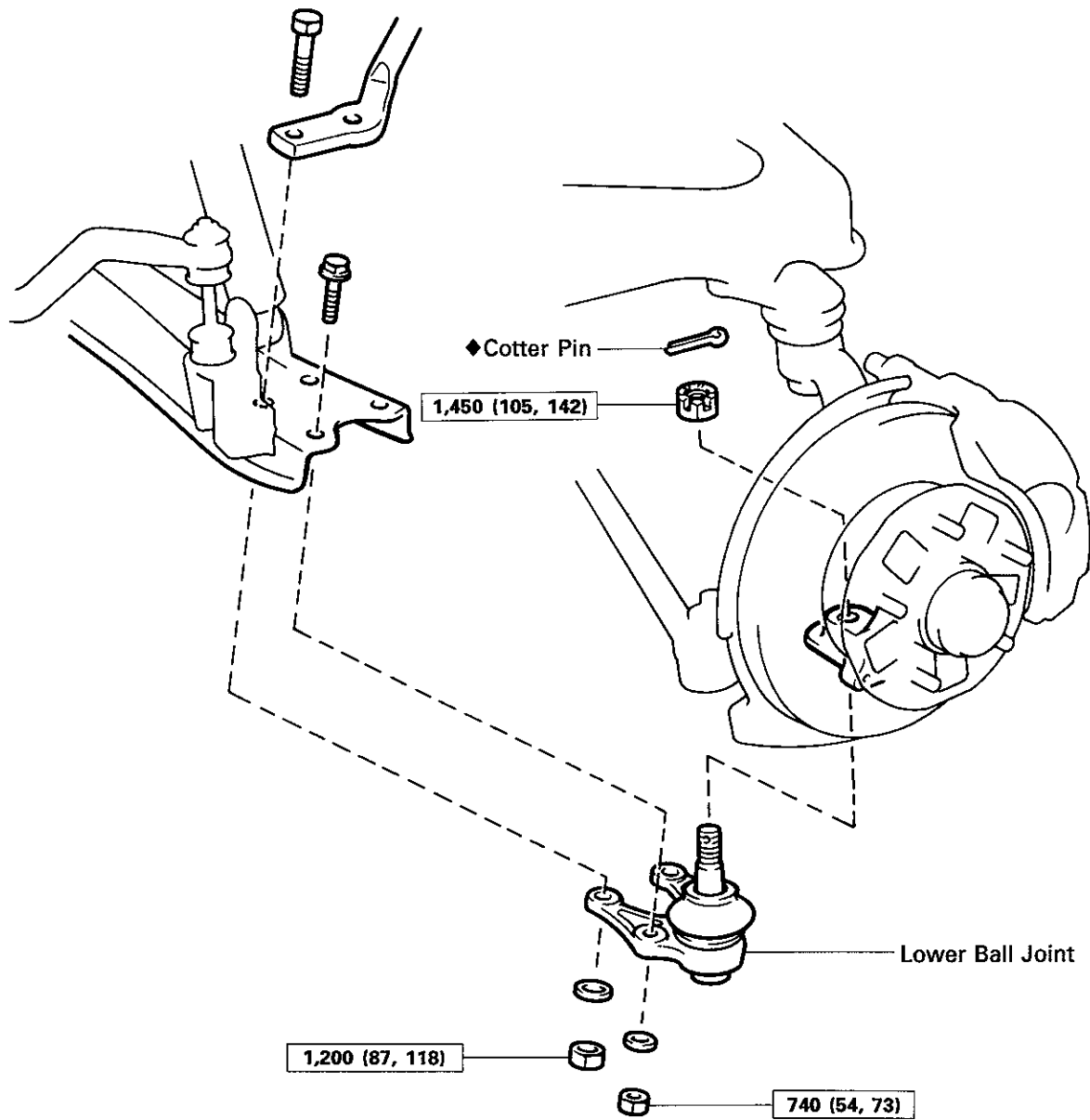


Lower Ball Joint

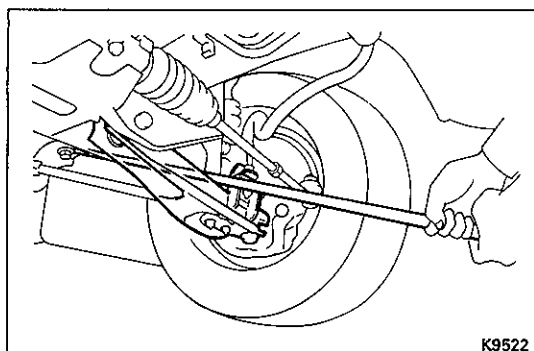
COMPONENTS



kg-cm (ft-lb, N-m) : Specified torque

◆ Non-reusable part

K9666



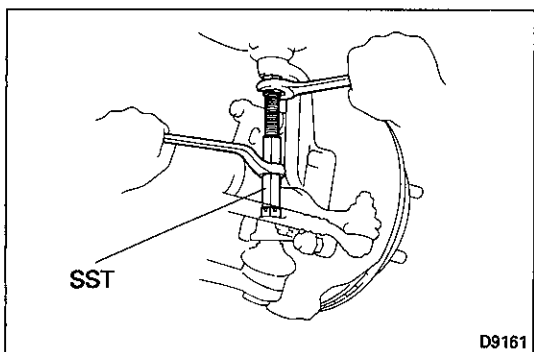
K9522

ON-VEHICLE INSPECTION OF LOWER BALL JOINT

INSPECT LOWER BALL JOINT FOR EXCESSIVE LOOSENESS

- Jack up the front of the vehicle and support it with stands.
- Make sure the front wheels are in a straight forward position, and depress the brake pedal.
- Move the lower suspension arm up and down and check that the lower ball joint has no excessive play.

Maximum vertical play: 0 mm (0 in.)



D9161

REMOVAL OF LOWER BALL JOINT

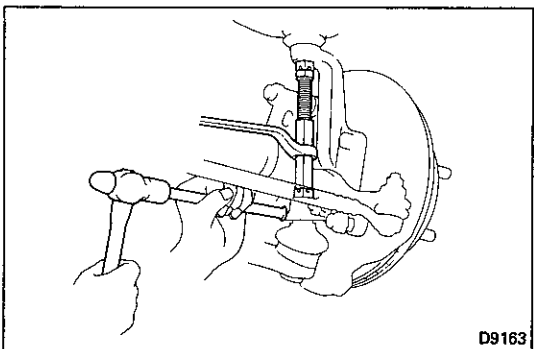
1. REMOVE FRONT WHEEL

2. REMOVE LOWER BALL JOINT

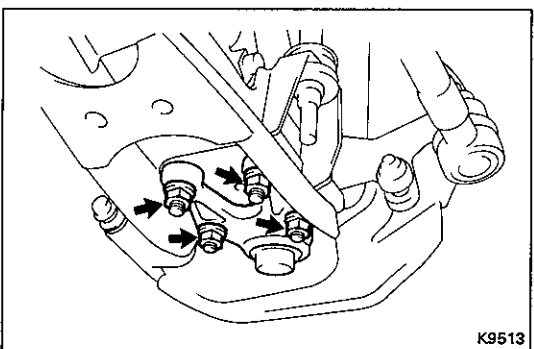
- Remove the cotter pin and release the nut on the lower ball joint by 2-3 turns.
- Insert the SST between the upper ball joint and the lower ball joint, stretch the SST, then disconnect the lower ball joint from the steering knuckle.

SST 09628-30011

HINT: If the lower ball joint and steering knuckle are stiffly joined and cannot be separated, while the SST is stretched use a brass bar and hammer to apply a shock to the steering knuckle and disconnect the lower ball joint.

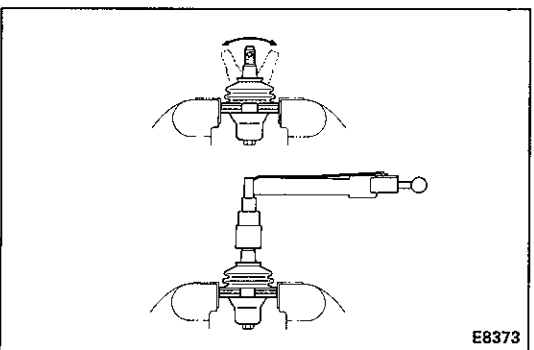


D9163



K9513

- Remove the four nuts, bolts and the lower ball joint.



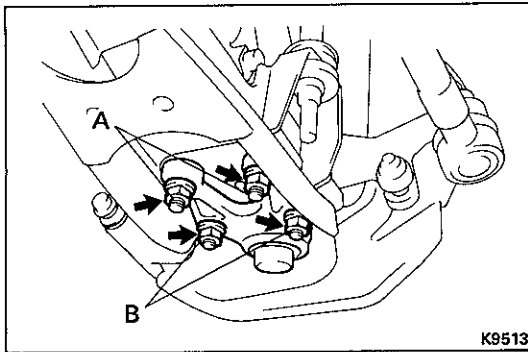
E8373

INSPECTION OF LOWER BALL JOINT

INSPECT BALL JOINT FOR ROTATION CONDITION

- As shown, flip the ball joint stud back and forth 5 times before installing the nut.
- Using a torque gauge, turn the nut continuously one turn per 20 seconds and take the torque reading on the 5th turn.

Torque (turning): 15 – 40 kg-cm
(13 – 35 in.-lb, 1.5 – 3.9 N-m)



INSTALLATION OF LOWER BALL JOINT

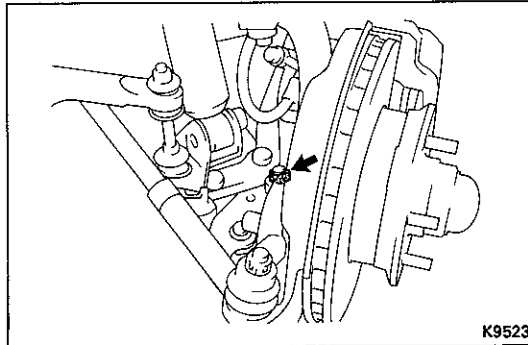
1. INSTALL LOWER BALL JOINT

- (a) Install the lower ball joint to the lower arm with the four bolts and nuts.

Torque:

Nut A 1,200 kg-cm (87 ft-lb, 118 N·m)

Nut B 740 kg-cm (54 ft-lb, 73 N·m)



- (b) Connect the lower ball joint to the steering knuckle and install the nut.

Torque: 1,450 kg-cm (105 ft-lb, 142 N·m)

- (c) Install a new cotter pin.

2. INSTALL FRONT WHEEL

Torque: 1,050 kg-cm (76 ft-lb, 100 N·m)

3. INSPECT FRONT WHEEL ALIGNMENT

(See page SA-3)