

## 1998 Volkswagen Jetta V6-2792cc 2.8L DOHC (AAA) SFI

### [Top - Vehicle](#)

#### ■ [Steering and Suspension](#)

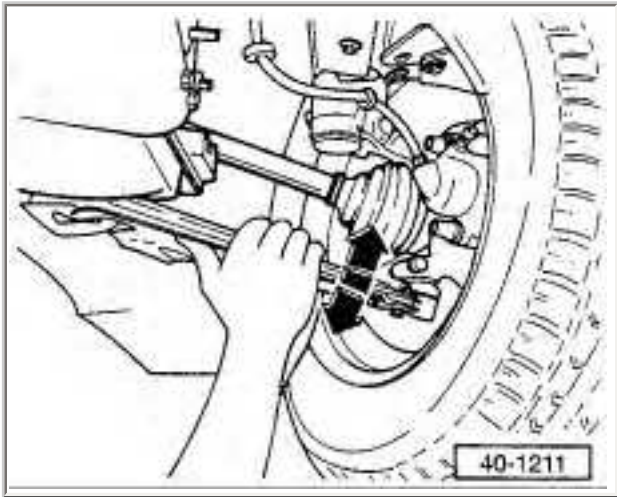
##### ■ [Suspension](#)

##### ■ [Ball Joint](#)

##### ■ **Testing and Inspection**

### Testing and Inspection

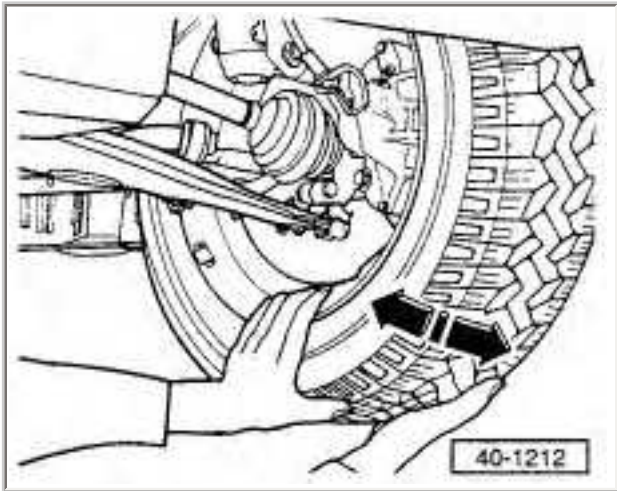
#### Ball Joint Lower



ZOOM

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- Check axial play by forcing ball joint down and back up while observing play in joint.



ZOOM

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- Check radial play by pressing lower part of wheel outward and inward while observing play in joint.
  - Ball joint is OK if there is no noticeable play in joint (take into account play in [wheel bearing](#) and upper [suspension strut](#) mounting)
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##### ■ [Service and Repair](#)

##### ■ **Ball Joint, Upper**

### [Notes](#)

## Ball Joint, Upper

1. Raise and support vehicle, then remove front wheel.
2. Disconnect the stabilizer bar link rod from the [control arm](#).
3. Loosen and remove the clamping bolt that holds the ball joint stud in the wheel bearing housing, then separate ball joint from housing.
4. Remove the three bolts holding the ball joint to the [control arm](#), and remove the ball joint. Remove the lock-plate from the top of the control arm and discard it.

**NOTE:** The position of the ball joint in the slotted mounting holes is set during manufacture to match drive axle length. When installing a replacement ball joint, position the joint in the center of the slotted mounting holes.

5. Position new ball joint to [control arm](#), install retaining bolts, spring washers and nuts and tighten to specifications.
  6. Reverse procedure to complete installation.
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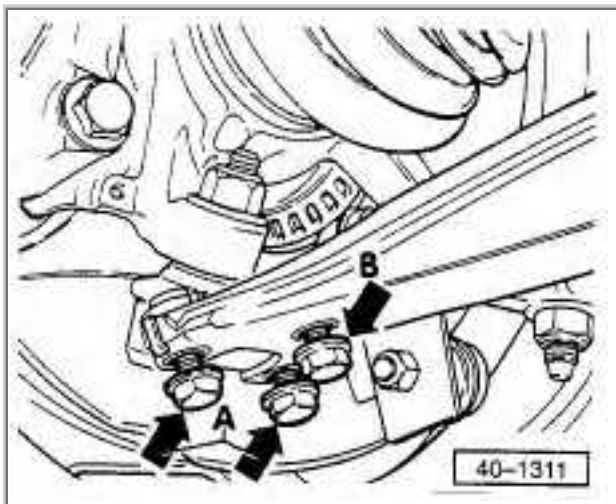
#### ■ **Ball Joint, Lower**

[Notes](#)

### Ball Joint, Lower

#### REMOVAL

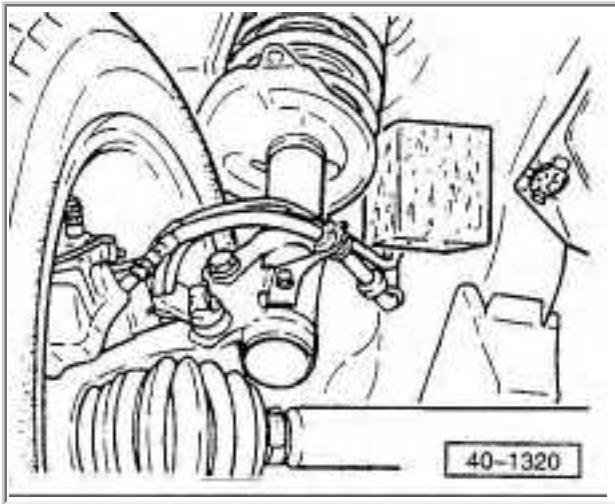
1. Loosen 12 point self-locking nut with vehicle standing on its [wheels](#).
2. Disconnect axle shaft at transmission drive flange.
3. Mark installation position of ball joint to [control arm](#).



ZOOM

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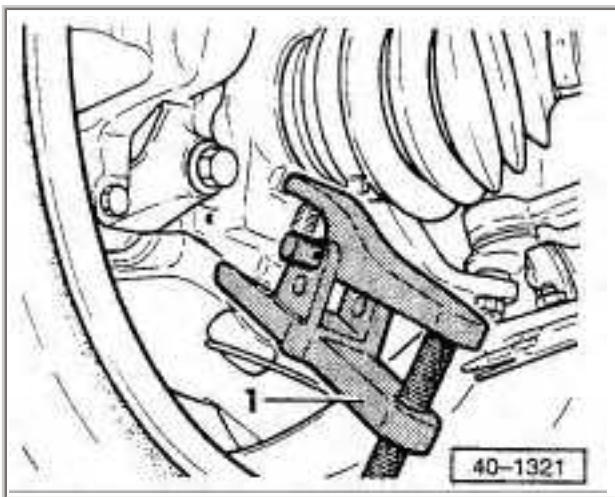
4. Remove outer bolts -arrow A-.
5. Loosen inner bolt arrow -B-.
6. Separate connection between ball joint and [control arm](#).



ZOOM

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7. Swing wheel with [suspension strut](#) outwards and support.



ZOOM

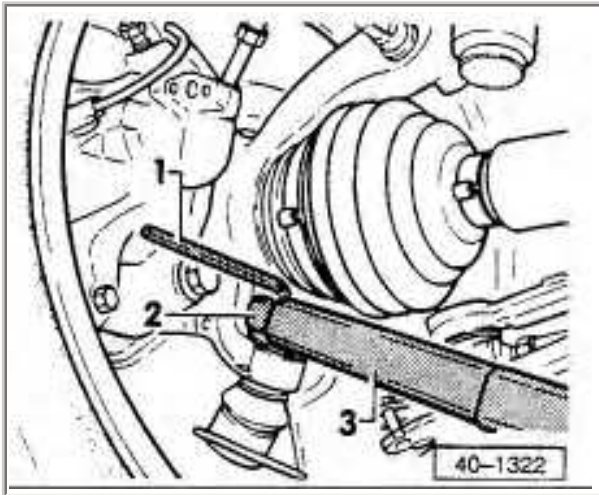
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8. Install ball joint splitter -1- tool No. Kukko 128/2 or equivalent, and press out ball joint. **NOTE:**

- Place transmission jack tool No. KL-7755 or equivalent underneath (there is a risk of injury from falling parts when pressing out the ball joint).
- To protect ball joint threads leave nut threaded on a few sums.

## INSTALLATION

1. Position ball joint in wheel bearing housing.



ZOOM

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2. Install new self-locking nut, and counterhold with hex key (6 mm). 1 - Hex key (6 mm), shortened by approx. **10 mm (3/8 inch)** 2 - Box wrench (19 mm), insert or slotted box wrench insert 3 - Torque wrench
  3. Secure ball joint to [control arm](#) (bolts on old marks). **NOTE:** Check that boot is not damaged or twisted.
  4. Tighten ball joint to wheel bearing housing to: **45 Nm (33 ft. lbs.)**
  5. Tighten ball joint to [control arm](#) to: **35 Nm (26 ft. lbs.)**
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■ [Ball Joint](#)

■ **Specifications**

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### Specifications

#### TIGHTENING SPECIFICATIONS

Ball Joint To [Control Arm](#)

20 Nm (15 ft. lbs.)

**Note:** Use new bolts.

Ball Joint to Wheel Bearing Housing

45 Nm (33 ft. lbs.)

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