Ball Joint
Super Set

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### Parts List / Safety Precautions

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<th>Item No.</th>
<th>Part No.</th>
<th>No. Req'd</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>7248</td>
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<td>C-Frame Press (consists of 1 ea.: 37703 forcing screw; 14472 steel ball; 10273 o-ring; 29501 plug; 41925 c-frame)</td>
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<tr>
<td>2</td>
<td>305227</td>
<td>1</td>
<td>Installing Adapter</td>
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<tr>
<td>3</td>
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<td>313444</td>
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<td>Ball Joint Remover</td>
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<td>38355A</td>
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<td>Live Center Forcing Screw Plug</td>
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### Safety Precautions

⚠️ **CAUTION**: To prevent personal injury when using these tools,
- Wear eye protection that meets ANSI Z87.1 and OSHA standards.
- Before performing repairs on a vehicle, block the vehicle wheels to prevent movement of the vehicle.
- Check the final alignment of tooling and components before using the C-frame to exert pressure.

Shaded areas reflect the last revisions made to this form.
**Press-Fit Ball Joints**

Application: Most cars and light trucks that have press-fit type ball joints.

This assembly enables the user to remove and install ball joints without removing the control arm from the vehicle.

**NOTE:** Some cars and light trucks may have the upper ball joint spot-welded to the control arm. The weld must be cut before attempting to remove the ball joint.

**Removal**

1. Assemble the ball joint press over the control arm as shown. Select the correct size receiving tube, and position it under the vehicle ball joint.

2. Tighten the forcing screw until the receiving tube contacts the control arm. Check the alignment of all tooling and components, and continue tightening the forcing screw until the ball joint is removed.

**Installation**

1. Clean the control arm and coat the I.D. with a suitable lubricant.

2. Insert the replacement ball joint as straight as possible into the vehicle control arm.

3. Assemble the ball joint press components as shown. Position the receiving tube, and tighten the forcing screw. Check the alignment of all tooling and components, and continue tightening the forcing screw until the ball joint is firmly seated.
Dana 44 Axles


Removal
1. Remove the knuckle assembly from the vehicle according to the instructions in the service manual.

Note:
- It may be necessary to remove the steering arm before servicing the upper ball joint on left hand knuckle.
- The lower ball joint must be removed before any service can be performed on the upper ball joint.
2. Remove the lower ball joint snap ring.
3. Assemble the ball joint press over the ball joint as shown in Figure 3.
4. Turn the forcing screw until it meets the ball joint. Check the alignment of all components. Tighten the forcing screw until the ball joint is removed.
5. Repeat Steps 3 & 4 to remove the upper ball joint.

Installation
Note: The lower ball joint must be installed before the upper ball joint.
1. Clean the knuckle and coat it with a suitable lubricant.
2. Assemble the ball joint into the knuckle.
3. Assemble the ball joint press components as shown. Check the alignment of all components. Tighten the forcing screw until the ball joint is firmly seated.
4. Install the snap ring on the lower ball joint.
5. Repeat Steps 1-3 to install the upper ball joint.
6. Install the knuckle assembly to the vehicle according to the vehicle service manual procedures.
Application: 1996–newer GM 4WD 1/2-Ton and 3/4-Ton Pickups, Suburbans, Yukons, Tahoes

1. Position the tools as shown to remove or install the lower ball joint.

   **Note for Installation:** Clean the control arm or knuckle, and coat the I.D. with a suitable lubricant.

2. Tighten the forcing screw until it meets the cup, and check the alignment of all tooling and components. Continue tightening the forcing screw until the ball joint is removed or installed.
Application: Upper and lower ball joints on 1992–97 Ford 3/4-Ton and 1-Ton 2WD Vans

1. Position the tools as shown to remove or install the upper or lower ball joint. **Note for Installation:** Clean the control arm or knuckle, and coat the I.D. with a suitable lubricant.

2. Tighten the forcing screw until it meets the cup, and check the alignment of all tooling and components. Continue tightening the forcing screw until the ball joint is removed or installed.

1. Position the tools as shown to remove or install the upper or lower ball joint.

   **Note for Installation:** Clean the control arm, and coat the I.D. with a suitable lubricant.

2. Tighten the forcing screw until it meets the cup, and check the alignment of all tooling and components. Continue tightening the forcing screw until the ball joint is removed or installed.

Removal
1. Assemble the ball joint press over the control arm as shown in Figure 1.
2. Tighten the forcing screw until the removing adapter contacts the control arm. Check the alignment of all tooling and components, and continue tightening the forcing screw until the ball joint is removed.

Installation
1. Clean the control arm and coat the I.D. with a suitable lubricant.
2. Insert the replacement ball joint as straight as possible into the vehicle control arm.
3. Assemble the ball joint press components as shown in Figure 2, and tighten the forcing screw. Check the alignment of all tooling and components, and continue tightening the forcing screw until the ball joint is firmly seated.
Removal

1. Remove the ball joint dust boot.
2. Assemble the ball joint press over the control arm as shown in Figure 1.
3. Tighten the forcing screw until the removing adapter contacts the control arm. Check the alignment of all tooling and components, and continue tightening the forcing screw until the ball joint is removed.

Installation

1. Clean the control arm and coat the I.D. with a suitable lubricant.
2. Insert the replacement ball joint as straight as possible into the vehicle control arm.
3. Assemble the ball joint press components as shown in Figure 2, and tighten the forcing screw. Check the alignment of all tooling and components, and continue tightening the forcing screw until the ball joint is firmly seated.
4. Install the ball joint dust boot.