

Did You Know?

Advice for the professional
DYK18-101

Installing MOOG® Adjustable Offset Ball Joints using T40019 tool

Various Dodge Ram trucks
and Jeep vehicles

Overview

MOOG® offers adjustable offset ball joints for the affected applications. It can be challenging to install these offset ball joints. The yoke on the axle housing does not have consistent thickness (which results in an angled surface), causing standard installation tools not to be aligned properly when pressing in the ball joints. This can lead to a more challenging installation and may even damage the ball joint.

MOOG ADJUSTABLE BALL JOINT (UPPER)

K100311	Replaces OEM Offset To Provide 1 Degree +/- Camber/Caster; Dana 44 Axle
K100312	Replaces OEM Offset To Provide 1-1/2 Degree +/- Camber/Caster; Dana 44 Axle
K100198	Replaces OEM Offset To Provide 1-1/2 Degree +/- Camber/Caster; Dana 44 Axle



The MOOG ball joint press tool T40019 makes installation of MOOG adjustable offset ball joints easy. The sleeve in the T40019 is designed to match the angle of the yoke on the axle housing to ensure proper installation. Use in conjunction with the T40001 C-clamp ball joint press.

T40001 C-Clamp Ball Joint Press



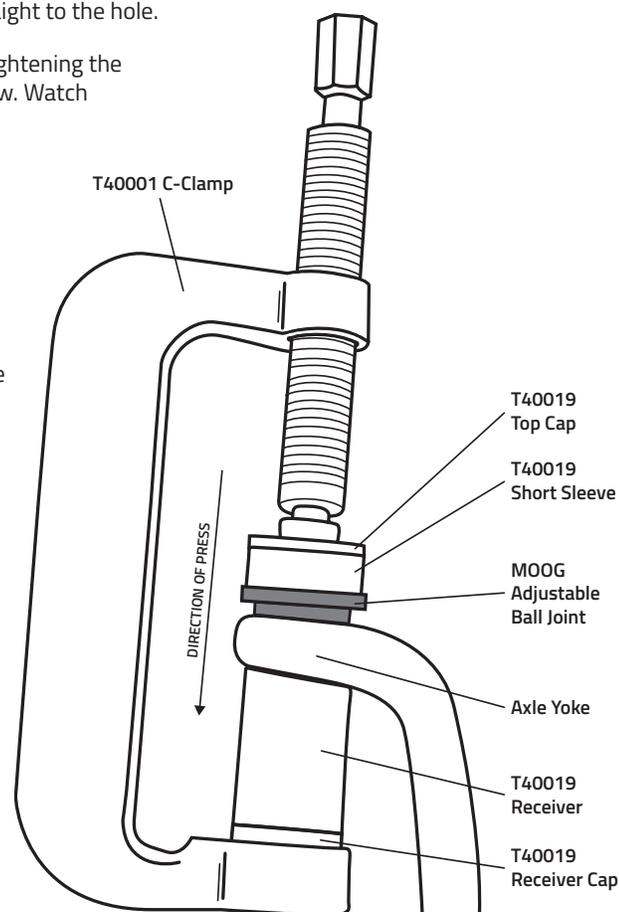
VEHICLES AFFECTED

VEHICLE	MODEL	YEAR
DODGE	Ram 1500 4WD	1994-2001
	Ram 2500 4WD	1994-1996
JEEP	Cherokee	1984-2001
	Comanche	1986-1992
	Grand Cherokee	1993-2004
	TJ 4WD	1997-2006
	Wagoneer	1984-1990
	Wrangler 4WD	1989-2006

Installation Procedure

1. The MOOG® ball joint press tool T40019 is to be used for installation of MOOG adjustable offset ball joints. It has been designed to be used specifically with the T40001 C-Clamp.
2. With the ball joint started in the axle yoke, place the T40019 short sleeve over the ball joint, then place the T40019 top cap on top of the T40019 short sleeve with the small recess facing up. Be sure to align the ball joint correctly, using the template provided with the ball joint.
3. Place the T40001 C-clamp ball joint press over the T40019 top cap and engage the screw into the small recess.
4. Locate the T40019 receiver cap in the hole on lower jaw of the T40001 C-clamp ball joint press. Place the T40019 receiver tube with lip seated into the lower portion of the upper yoke hole, then locate in T40019 receiver cap. Make sure the high point of the taper on the T40019 receiver tube is facing out so it is straight to the hole.
5. Press the ball joint into the hole by tightening the T40001 C-clamp ball joint press screw. Watch closely to ensure that the ball joint is pressing into the hole straight. When the ball joint has been pressed in approximately halfway, tear and remove template.
6. After ball joint is fully pressed in, loosen the T40001 C-clamp ball joint press screw, remove ball joint press and installation sleeves, and continue with alignment procedure.

Always check for proper clearance between suspension components and other components of the vehicle.



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