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Service Tips and Best Practices

Correct Installation Orientation: 2019-2015 GM 1500 Truck and SUV Front Upper Ball Joint

Brand	TTX	Product	Ball Joint	Date	September 2021
Part Number(s)	TXMS50575				

To ensure proper part performance, the below noted ball joint must be pressed-in using the correct orientation when mating to the OEM stamped steel front upper control arm.

Part Number:
TXMS50575

For a successful repair outcome, adhere to the following:

- Before installation of ball joint, ensure all mating surfaces are clear of rust, debris and burrs. Inspect control arm mounting flange for cracks, deformation and/or an out-of-round condition. Do not reuse control arm body if these are found. **See Figure 1**.

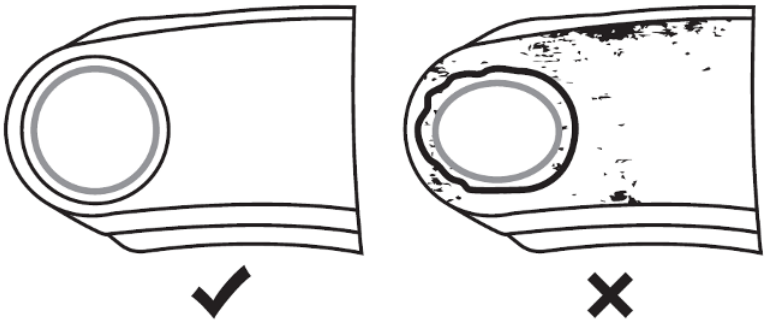


Figure 1.

- Verify press in diameters and stud tolerances, including steering knuckle. Replace all damaged or out-of-specification mating components.
- When pressing in ball joint, ensure pressure is applied to the mounting flange and not the ball joint back plate. Contact with the back plate during installation may lead to damage and/or compromised performance of the ball joint.
- Locate machined flat on ball joint housing. **See Figure 2**.



Figure 2.
Machined flat on ball joint housing (circled)

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DISCLAIMER: The information in this communication is intended for use only by skilled technicians who have the proper tools, equipment and training to correctly and safely maintain vehicles. Refer to original manufacturers service manual for proper torque specifications and removal/installation procedures. All content in the publication is provided as-is and without warranty. All care has been taken to ensure the accuracy of the information presented. The publisher assumes no responsibility or liability for any loss or damage, direct, indirect or consequential, arising from the use of the information contained herein.

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- During press in, flat must be oriented so that it is perpendicular to the wheel. For an illustration of correct installation orientation, see **Figure 3**.

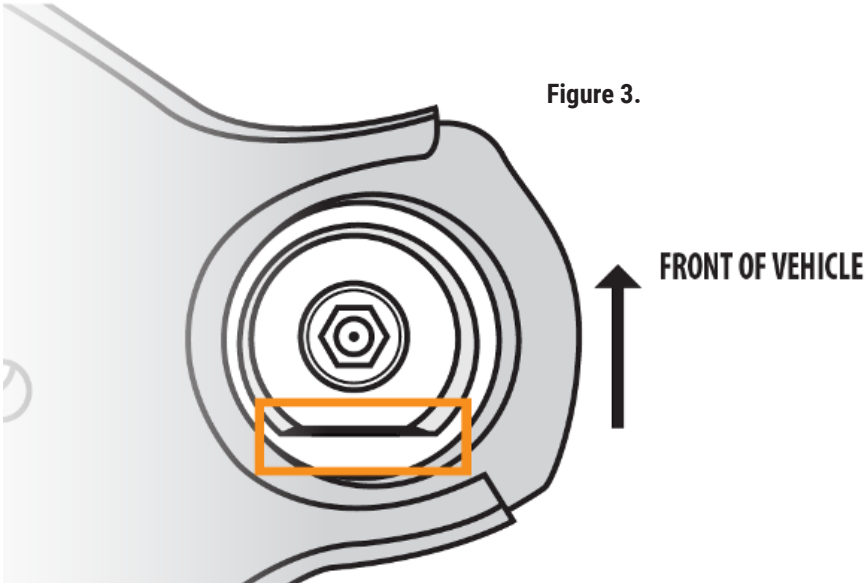


Figure 3.

Figure 3. Correct ball joint installation orientation when mated to OEM stamped steel front upper control arm. Note machined flat position (highlighted orange box).

Always refer to the factory service manual for correct diagnostic procedures, component removal and installation methods, as well as fastening torque values and procedures where applicable. Only use a calibrated torque wrench for final fastening.

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