TECHNICAL SERVICE BULLETIN

2020-1989 Subaru Front Lower Ball Joint- Correct Installation Orientation

Issue: Correct Installation Orientation to Ensure Access for Relubrication Service

Brand	TTX	Product	Ball Joint	Date	June 2021
Part Number(s)	TXK9513				

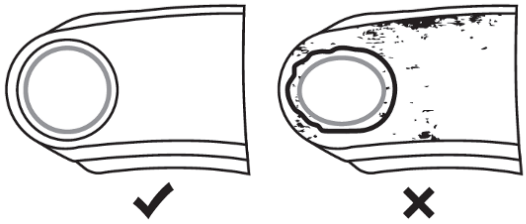
For applications associated with this part number, this ball joint must be correctly orientated during installation to provide adequate access to the grease fitting for any future relubrication service.

Adhere to the below for a successful repair outcome.

Before Installation of Ball Joint.

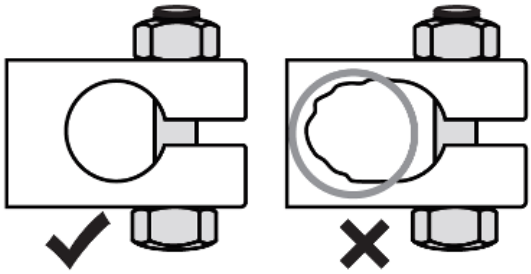
Ensure all mating surfaces are clear of rust, debris and burrs. Inspect control arm mounting flange for cracks, deformation and or an out of round condition. Do not reuse control arm body if these are found. **See Figure 1**.

Figure 1.



Ensure to check press-in diameters and stud tolerances. Replace all damaged or out of specification mating components. Inspect knuckle ear for abnormal wear, enlargement, "out of roundness" and or other damage. Replace knuckle if these are found. **See Figure 2**.

Figure 2.



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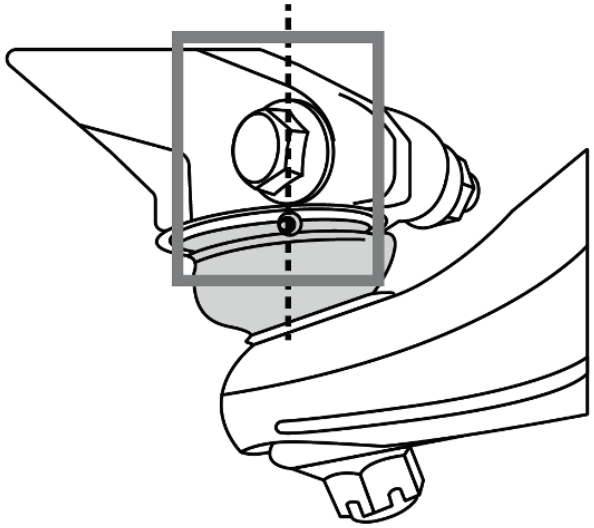
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Installation

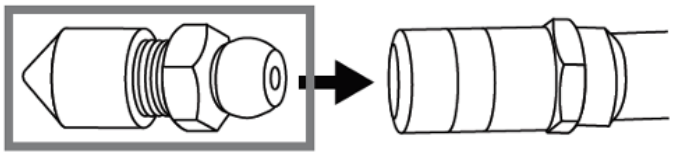
It is recommended to install this ball joint with the steering knuckle in the straight-ahead position and to orient the grease fitting approximately in line with the head of the pinch bolt. This will provide sufficient clearance for relubrication. **See Figure 3**.

Figure 3.



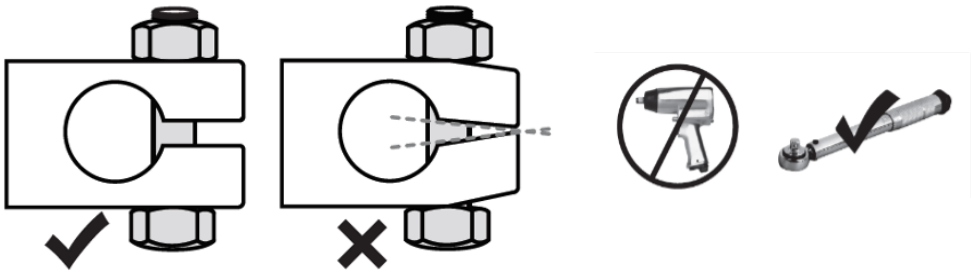
To aid in relubrication service, a flush-type grease fitting is included as part of the ball joint hardware package. Do not discard this fitting. This fitting mates with all standard grease gun couplers. **See Figure 4**.

Figure 4.



Do not overtighten pinch bolt. This may cause damage to the knuckle ear. **See Figure 5**. Follow torque value as found in factory service manual.

Figure 5.



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