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Service Tips and Best Practices

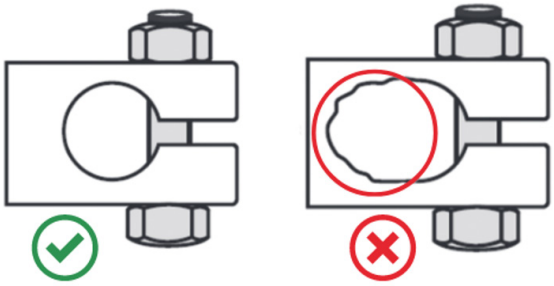
Best Practices – Pinch Bolts and Steering Knuckles

Brand	N/A	Product	Various	Date	June 2021
Part Number(s)	Various				

When performing any steering or suspension repair which involves removing a pinch bolt, it is imperative to adhere to the following best practices for a successful repair outcome:

- Discard old nuts and bolts. Do not reuse hardware. Ensure to renew hardware
- Do not use a heat source to aid in removal of a pinch bolt. This can warp/distort or otherwise damage the steering knuckle bore and or ears.
- Do not use a hammer to apply blunt force to aid in removal or installation of a pinch bolt. This can warp distort or otherwise damage the knuckle bore and or ears.
- Do not pry or otherwise forcefully spread open knuckle ear. This may push the ear beyond its stretch yield point.
- Inspect knuckle ear for abnormal wear, enlargement, "out of roundness" and or other signs of damage. Replace knuckle if these are found. Failure to do so may reduce replacement part service life. **See Figure 1**.

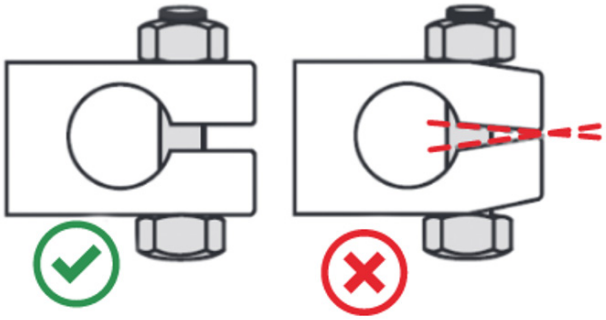
Figure 1.



- Remove all rust, burrs and other contaminants from the knuckle bore, ears and other mating surfaces.
- Only use a calibrated torque wrench for all fastening procedures.
- Do not overtighten. This may cause damage to knuckle ears. **See Figure 2**.



Figure 2.



Always ensure to refer to the factory service manual for correct removal and installation procedures, torque and alignment values and sequences.

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