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Service Tips and Best Practices

Front Steering Knuckle Insert on 2003-2012 Ford Fusion/Mercury Milan/Lincoln MKZ & Mazda 6

Brand	Supreme	Product	Control Arms	Date	March 2021
Part Number(s)	CMS40181/CMS76104/CMS76105/CMS76105				

In some cases, when removing the original control arm for replacement, the steering knuckle insert may become seized to the ball joint stud due to rust and or corrosion. **See Figure 1**.



Figure 1. Original control arm with insert seized to stud (circled in red).

This will cause the replacement control arm to look different in appearance.

To aid in assembly, Mevotech Supreme control arms with the following part numbers (CMS40181, CMS76104, CMS76105 & CMS76105) feature a new steering knuckle insert supplied in the box as part of the included hardware package.

To ensure a successful repair, it is important to adhere to the following:

- Ensure to reference original factory service manual for proper reassembly procedure and all related specifications and values.
- Remove all rust, corrosion, contaminants and burrs from steering knuckle bore.
- Inspect the steering knuckle bore for abnormal wear, enlargement, "out of roundness" and or other damage before installation.

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- For control arm installation with part numbers CMS40181 and CMS76104:
  - Locate RED dot on supplied steering knuckle insert.
  - This insert with red dot must be installed into steering knuckle bore closest to front of vehicle. **See Figure 2**.

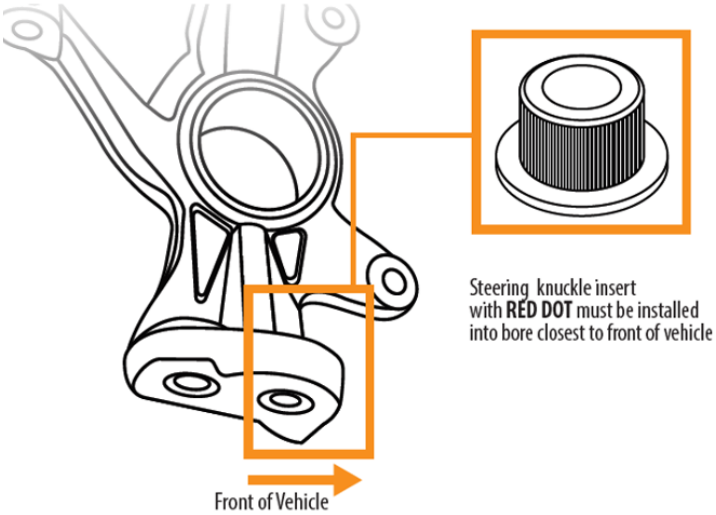


Figure 2. Correct installation position for insert with red dot.

- For control arm installation with part numbers CMS76106 and CMS76105:
  - Locate BLUE dot on supplied steering knuckle insert.
  - This insert with blue dot must be installed into steering knuckle bore closest to rear of vehicle. **See Figure 3**.

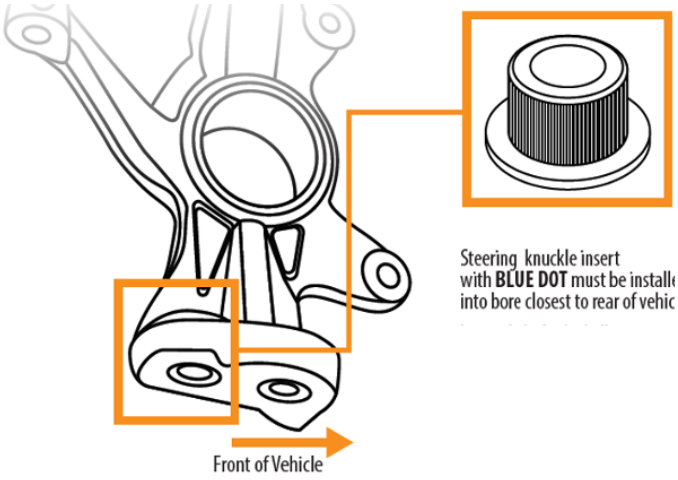


Figure 3. Correct installation position for insert with blue dot.

- Ensure all components are torqued to the correct values as specified in factory service manual. After repair, perform vehicle alignment.

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