



PreSet® Spindle Nut Installation Instructions

This kit includes a Spindle Nut engineered specifically for use with PreSet wheel hubs. PreSet spindle nuts offer the best solution for optimized service life of your PreSet hub.

⚠ WARNING

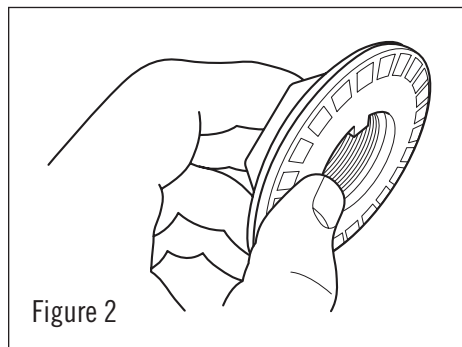
Use this kit only with ConMet PreSet hubs. Only Pre-Set hubs are designed to utilize these components and function properly. Use of the kit components in hubs other than ConMet PreSet could result in catastrophic wheel end failure.

⚠ WARNING

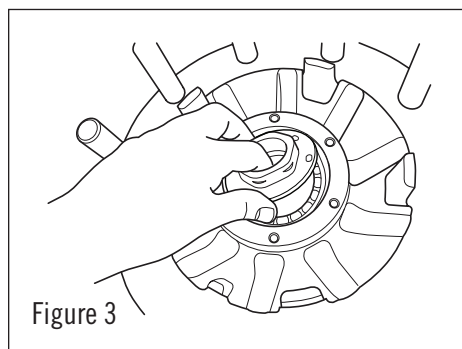
The PreSet spindle nut is not intended for use when manually adjusting wheel bearings. Using this spindle nut on hubs with manually adjusted bearings could result in catastrophic wheel end failure.

Installation

1. Seat the flat inner washer into the back of the spindle nut (see Figure 2).



2. Align the key or flat on the washer with the keyway or flat on the spindle, and position the spindle nut and washer against the outer bearing (see Figure 3).



3. Install the spindle nut by rotating the nut in a clockwise direction to fully engage the threads. Torque the spindle nut to 300 ft. lbs. while rotating the hub. DO NOT BACK OFF THE SPINDLE NUT.

4. Visually examine the three holes in the face of the spindle nut. One of the holes will line up with the holes in the inner washer. Install the tab of the red locking snap ring through the hole in the nut and washer that are aligned. Spread the locking ring, push it over the spindle nut and into the machined grooves in the spindle nut. Use caution not to bend the locking ring permanently.

5. Rotate the hub assembly checking for smooth and free rotation.

⚠ WARNING

Verify the hub will rotate by hand before placing it in service. Some drag is normal for a new seal, but excessive drag or roughness may indicate excessive bearing preload which could result in premature seal failure. An incorrect combination of parts or the use of one or more non-PreSet parts may cause this condition.

⚠ WARNING

Failure to fill the hub with the correct amount of lubricant can cause premature failure of the PreSet hub assembly, which could result in a wheel loss and possible death or serious injury.

For proper lubrication requirements refer to ConMet service manuals which can be found online at www.conmet.com.

Hazard Alert Messages

⚠ DANGER

A Danger alert indicates a hazardous situation which if not avoided, will result in death or serious injury.

⚠ WARNING

A Warning alert indicates a hazardous situation which if not avoided, could result in death or serious injury.

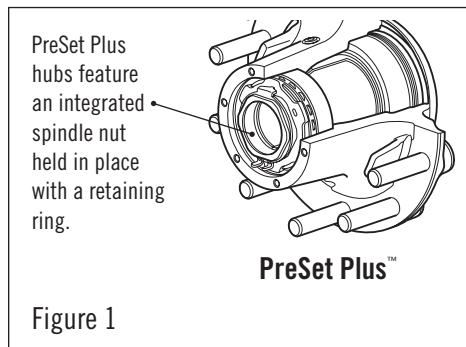
⚠ CAUTION

A Caution alert indicates a hazardous situation which if not avoided, could result in minor or moderate injury.

NOTE

A note includes additional information that may assist the technician in service procedures.

This spindle nut is intended for use with a traditional PreSet hub. If you have a PreSet Plus® hub with integrated spindle nut (see figure 1), you should be able to reuse the spindle nut. See the back of these instructions for listing of PreSet Plus spindle nut part numbers.



Notes

PreSet® Spindle Nut Kits (kit includes lock ring, nut and washer)

Part No.	Spindle Nut Assembly Description
10080652	FF PreSet® Spindle Nut Assy - Keyway (Type Commonly used on Dana® axles)
10080653	FF PreSet® Spindle Nut Assy - D Flat (Type Commonly used on Meritor® Axles)
10080654	FL PreSet® Spindle Nut Assembly
10080655	R Drive PreSet® Spindle Nut Assembly
10080656	TN PreSet® Spindle Nut Assembly
10080657	TP PreSet® Spindle Nut Assembly

PreSet® / PreSet Plus® Hub Service & Rebuild Kits

PreSet® / PreSet Plus® Hub Seal & Spacer Kits		Bearing Combination Cross Reference	
Part No.	Application	Inner Cup/Cone	Outer Cup/Cone
10081518	FF Front	HM212011 PS / HM212049 PS	3720 PS / 3782 PS
10081519	FL Front	6420 PS / 6461A PS	552A PS / 555S PS
10081520	R Drive	592A PS / 594A PS	572 PS / 580 PS
10081521	TN Trailer	HM218210 PS / HM218248 PS	HM212011 PS / HM212049 PS
10081522	TP Trailer	HM518410 PS / HM518445 PS	HM518410 PS / HM518445 PS

PreSet® / PreSet Plus® Hub Rebuild Kits (includes bearings, bearing spacer and seal)		Bearing Combination Cross Reference	
Part No.	Application	Inner Cup/Cone	Outer Cup/Cone
10081727	FF Front	HM212011 PS / HM212049 PS	3720 PS / 3782 PS
10081728	FL Front	6420 PS / 6461A PS	552A PS / 555S PS
10081729	R Drive	592A PS / 594A PS	572 PS / 580 PS
10081730	TN Trailer	HM218210 PS / HM218248 PS	HM212011 PS / HM212049 PS
10081731	TP Trailer	HM518410 PS / HM518445 PS	HM518410 PS / HM518445 PS

PreSet® Complete Hub Rebuild Kits (includes bearings, bearing spacer, seal and spindle nut)		Bearing Combination Cross Reference	
Part No.	Application	Inner Cup/Cone	Outer Cup/Cone
10045871	FF w/ Keyway	HM212011 PS / HM212049 PS	3720 PS / 3782 PS
10045872	FF w/ D-Flat	HM212011 PS / HM212049 PS	3720 PS / 3782 PS
10045873	FL Front	6420 PS / 6461A PS	552A PS / 555S PS
10045874	R Drive	592A PS / 594A PS	572 PS / 580 PS
10045875	TN Trailer	HM218210 PS / HM218248 PS	HM212011 PS / HM212049 PS
10045876	TP Trailer	HM518410 PS / HM518445 PS	HM518410 PS / HM518445 PS