

PARTS LIST				
ITEM	PART NUMBER	Fuwa P/N	DESCRIPTION	QTY
1			Capscrew - Hubcap	6
2			Lock Washer - Hub cap	6
3			Hubcap	1
4			Gasket	1
5			Brake Drum	1
6	X9009		Spindle Nut Kit Tapered Axle	1
6a	VE-572		Outer Jam Nut	1
6b	VE-2561		Lock Washer	1
6c	VE-573		Inner Jam Nut Washer	1
6d	VE-540		Inner Jam Nut	1
7			Outer Wheel Bearing - Cup and Cone	1
8			Cotter Pin	1
9			Hub	1
10			Inner Wheel Bearing - Cup and Cone	1
11			Wheel Bearing Seal	1
12			ABS Sensor Ring	1
13			Wheel Nuts	10

INSTALL SEAL ON AXLE (Guardian Seal)

Place the seal assembly on the spindle so the words "OIL BEARING SIDE" are facing you. A slight step in the inside diameter of the seal ring will allow it to be properly positioned by hand about 1/8 inch onto the shoulder. **WARNING - DO NOT ATTEMPT TO INSTALL THE SEAL INTO THE HUB BORE!**

INSTALL SEAL WITH TOOL

Place the proper STEMCO Universal Tool over the spindle. Using a 3 to 5 lb. hammer, strike against the end of the tool until the head bottoms against the axle shoulder. The wear ring should be flush and square to the face of the axle shoulder. If not, re-install the tool and strike until ring is flush. Wipe off any excess sealant.

CHECK SEAL

Place your thumbs on the seal assembly and push back to ensure the two components are mated together. Separation sometimes occurs as assembly is driven on. Coat OD of seal with a thin layer of lubricant.

INSTALL INNER WHEEL BEARING

Place **PRE-LUBED** inner bearing onto the spindle and slide cone back into position at the face of the axle shoulder.

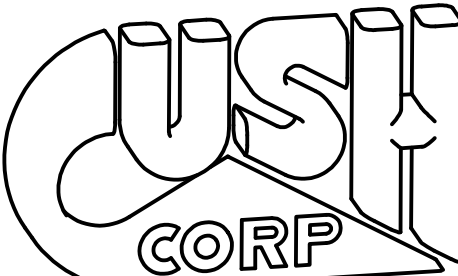
INSTALL WHEEL

With the wheel mounted on a wheel dolly, align the wheel bore with the spindle. GENTLY slide the wheel/hub assembly onto the spindle until it contacts the seal. **IMPORTANT - DO NOT ATTEMPT TO RAM THE HUB OVER THE SEAL BY FORCE.** Add small amount of lube into the hub cavity. Install the **prelubed** outer bearing fully into the cup. Install inner spindle nut hand tight and remove wheel dolly.

ADJUST WHEEL BEARING(With Spindle Nut)

1. Lubricate the bearing with clean lubricant for the same type used in the axle sump or hub assembly.
2. Install the wheel hub and bearing onto spindle and Torque the inner adjusting nut to 200 ft-lbs while rotating the hub assembly.
3. Back of the inner adjusting nut one full turn.
4. Re-torque the inner adjusting nut to 50 ft-lbs while rotating the wheel hub assembly.
5. Back off the inner adjustment nuts 1/4 turn
6. Install the locking washer.
7. Install and torque the outer jam nut to 300-400 ft-lbs
8. Use a dial indicator to verify acceptable endplay of .001-.005" (Note: if end play is not within specification, readjustment is required. Be sure to install or activate any locking device.)

This information is intended for refrence only. CUSH does not assume any liability in the event of omproper use or mismatch of components. For additional information see TMC RP618

DCN#	REV	REVISION DESCRIPTION	DATE	BY	CHK	APP
DRAFTSMAN: DJW	9/3/2014	TITLE:	 <p>Nixa, MO, USA PHONE: 417-724-1239 www.cushcorp.com</p>			
CHECKED: CHK		Wheel End Kit Tapered Spindle 16 1/2" x 7" Brake (Lube: Semi Fluid grease seals)				
RELEASED: APP		TOLERANCE UNLESS OTHERWISE STATED: .XX = +/- .062 FRACTIONS = +/- 1/16 .XXX = +/- .031 ANGLES = +/- 1°				
WEIGHT: N/A		PROJECT NO: 14090				
MATERIAL:		SHEET: 1 OF 1	SCALE: A-SIZE: NTS B-SIZE: 1/8 D-SIZE: 1/X	REV: -	PART/DRAWING NO: X9003-SF	
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