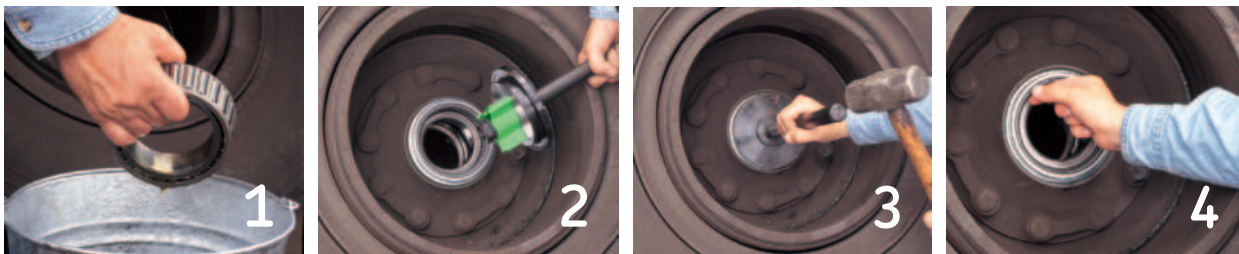


CR Scotseal tool chart

CR Scotseal Classic	Bearing cone	Drive plate	Centering plug
28758	JM205149-A	463	722
	JM207049-A	463	723
34387	33281	427	716
	33287	427	707
34975	39581	436	702
	45284	436	700
35066	39581	436	702
	45284	436	700
	HM212047	436	704
	HM212049X	436	706
36365	555S	427	702
	560	427	706
	3982	427	704
38750	495AX	462	708
	47686	462	710
38780	495AX	462	708
	47678	462	708
	47686/7	462	710
39988	HM212049	448	706
40086	6379	441	705
	6386/89	441	706
40136	575	457	708
	580	457	710
	663	457	710
42623	593	452	712
	HM518445	452	712

CR Scotseal Classic	Bearing cone	Drive plate	Centering plug
42672	663	445	710
	HM516449	445	710
43752	663	465	710
	665A	465	711
43764	749	465	719
	6461A	465	708
43860	598A	446	714
	663	446	710
	47686	446	710
	HM516449	446	710
44922	641	484	706
	HM212049	484	706
	H715345	484	716
44964	663	484	710
45010	6559	484	710
45099	580	484	710
45103	641	484	706
	H715345	484	716
45160	580	461	710
	594A	461	715
	598A	461	714
46305	HM218248	451	713
47697	594A	435	715
	598A	435	714
	47686	435	710
48000	594	435	715
	598A	435	714

Installation procedure for CR Scotseal Classic



Caution: Do not install the CR Scotseal directly onto the spindle.

Place the hub (wheel) assembly against a solid surface or bench at a 45° angle for seal installation. This aids in centering the bearing and seal in the hub bore. Clean bore of any particles, rust or grease.

1. Pre-lube the inner bearing cone with the lubricant that is being retained and place it into the hub.
2. Place the CR Scotseal Classic into the hub bore and insert the tool assembly with centering plug into the seal.
Note: Be sure to wear proper eye protection.
3. Hold the tool handle firmly and straight, and drive the seal with firm hammer strokes until the seal is squarely seated. Continue driving the seal into the hub until the sound of impact changes.
4. After the seal is bottomed in the bore, check for freedom of movement by manually moving the packing of the seal up and down. Ensure that the inner bearing rotates freely.

Caution: Install a new seal if the seal is cocked or damaged during or after installation.

Manual wheel bearing adjustment procedure^{*, 3), 4)}

Step 1: Lubricate the wheel bearing with clean axle lubricant of the same type used in the axle sump or hub assembly.
Note: Never use an impact wrench when tightening or loosening lug nuts or bolts during the procedure.

Initial adjusting nut torque	Initial back off	Final adjusting nut torque	Axle type	Threads per inch	Final back off	Nut size	Torque specifications	Acceptable end play	
Step 2	Step 3	Step 4	Step 5		Step 6	Step 7		Step 8	
200 lb-ft (271 N·m) While rotating wheels	One full turn	50 lb-ft (68 N·m) While rotating wheels	Steer (front) non-drive	12	1/6 Turn ¹⁾	Install cotter pin to lock axle nut in position	Less than 2 5/8 in (66.7 mm)	200–300 lb-ft (271–407 N·m)	0.001 in – 0.005 in (0.025 mm– 0.127 mm) As measured per procedure with dial indicator
				18	1/4 Turn ¹⁾				
				12	1/3 Turn ¹⁾				
				14	1/2 Turn				
				18					
			Drive	12	1/4 Turn	Dowel type washer	300–400 lb-ft (407–542 N·m)		
				16		Tang type washer ²⁾	200–275 lb-ft (271–373 N·m)		
			Trailer	12	1/4 Turn	Less than 2 5/8 in (66.7 mm)	200–300 lb-ft (271–407 N·m)		
				16					

¹⁾ If dowel pin and washer (or washer tang and nut flat) are not aligned, remove the washer, turn it over, and reinstall. If required, loosen the inner (adjusting) nut just enough for alignment.

²⁾ Bendable type washer lock only: Secure nuts by bending one wheel nut washer tang over the inner and outer nut. Bend the tangs over the closest flat perpendicular to the tang.

³⁾ See "Wheel bearing lock nut system installation & adjustment procedures" in the 457975 SKF TFO Guide (12-2017)

⁴⁾ See "PreSet/PreSet Plus wheel bearing adjustment procedure" in the 457975 SKF TFO Guide (12-2017)

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Pre-adjusted wheel bearing adjustment procedure


This refers to torque specifications and bearing adjustments. Please refer to original equipment manufacturer's recommended procedures for complete installation details.

One piece spindle nuts - Torque a one piece spindle nut to 300 ft. lbs. while rotating the hub. **Do not back off the spindle nut.** Engage any locking device that is a part of the spindle nut system. If the locking device can not be engaged, advance the spindle nut until the lock can be engaged.

Double jam nut systems - Torque the inner spindle nut to 300 ft. lbs. while rotating the hub. Advance the inner nut as necessary to engage the locking ring. **Do not back off the spindle nut.** Install the outer spindle nut and torque it to 200 ft. lbs. Be sure to engage any locking device.



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