

CR Scotseal wheel seals competitive interchange



National to CR			National to CR (CONT.)			Stemco Guardian HP to CR (CONT.)			Stemco Voyager to CR		
National	CR Scotseal Classic	CR Scotseal PlusXL	National	CR Scotseal Classic	CR Scotseal PlusXL	Stemco Guardian	CR Scotseal Classic	CR Scotseal PlusXL	Stemco Voyager	CR Scotseal Classic	CR Scotseal PlusXL
370001A	35066	35058 ♦	375025A	46305	46300 ♦ or 42626*	309-0964	45160	45157	373-0113	40136	40129 ♦
370003A	47697	47691 ♦				309-0965	43860	—	373-0123	42623	42627 ♦ or 42500*
370005A/	48000	48002	375065A	42623	42627 ♦ or 42500*	309-0970	47699	—	373-0143	46305	46300 ♦ or 42626*
370173A	(GMC) 47690	—				309-0973	47697	47691 ♦			
370006A	47699	—							373-0144	43752	43754
370007A	48794	—							383-0101	40086	40091
370009A	39420	—							383-0136	35066	35058 ♦
370011A	36358	—							383-0139	39988	39979
370012A	36285	—							383-0153	44922	44916
370015A	40040	—							383-0156	45103	45095
370019A	43860	—							383-0164	43764	43761 ♦
370021A	45160	45157							383-0166	28758	28759
370022A	45099	45093							383-0171	36358	—
370023A	38780	38776 ♦							383-0175	—	23590
370024A	38750	—							383-0176	—	29400
370025A	46305	46300 ♦ or 42626*							393-0103	45099	45093
									393-0104	42672	42673 ♦
370031A	42672	42673 ♦							393-0112	38780	38776 ♦
370033A/	39988	39979							393-0115	38750	—
AR-12	w/456301	w/456301							393-0134	48690	—
370036A	40136	40129 ♦							393-0173	47697	47691 ♦
370037A	43752	43754									
370046A	31323	—									
370047A	34387	34384									
370048A	43764	43761 ♦									
370054A	28832	—									
370065A	42623	42627 ♦ or 42500*									
370066A	40086	40091									
370069A	52658	—									
370124A	44922	44916									
370131A	45103	45095									
370132A	34975	34971									
370150A	28758	28759									
370165A	38747	—									
370173A	48000	48002									
370178A	44964	—									
370181A	47690	—									
370182A	43764	43761 ♦									
370195A	48690	—									
370199A	—	23590									
370211A	—	29400									
370338A	43752	43754									
370349A	40136	40129 ♦									
375001A	35066	35058 ♦									
375003A	47697	47691 ♦									
375023A	38780	38776 ♦									

* Tool installed CR Scotseal Hybrid version (spindle mount)

♦ For CR Scotseal X-Treme, add suffix XT to part number

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⁾	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)
				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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End play verification procedure

Wheel bearing end play is the free movement of the wheel assembly along the spindle axis. It is recommended, for verification purposes, that wheel bearing end play be measured with a dial indicator.

Step 1 Make sure the brake drum to hub fasteners are tightened to the manufacturers' specifications.

Step 2 Attach a dial indicator with its magnetic base at the bottom of the hub or brake drum.

Step 3 Adjust the dial indicator so that its plunger or pointer is against the end of the spindle with its line of action approximately parallel to the axis of the spindle.

Note: For aluminum hubs, attach the magnetic base of the indicator to the end of the spindle with the plunger against the hub or brake drum.

Step 4 Set the dial indicator to zero by rotating the gauge face so the zero mark lines up with the gauge needle. For digital indicators, push the zero-out button.

Step 5 Grasp the wheel assembly at the 3 o'clock and 9 o'clock positions, while oscillating it to seat the bearings. Read bearing end play as the total indicator movement.

Note: If end play is not within specifications, repeat wheel bearing adjustment procedure until end play is within proper range.

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.