



PART NUMBER CHANGES AFFECTING FIRST GENERATION MODEL 170/190/590 CARRIERS

PART NUMBER INFORMATION

DATE: 11/9/2017

TO: All Dana Aftermarket Group Spicer Heavy Axle Customers

Dana Aftermarket Groups is announcing the discontinuation of threaded bearing cups and cones and the corresponding bearing kits for select axle model carriers and the introduction of new kits to service the same select models.

Affected Models: First Generation D/R/S170, D/R/S190 & D/R/S590 made before June 10, 2013.

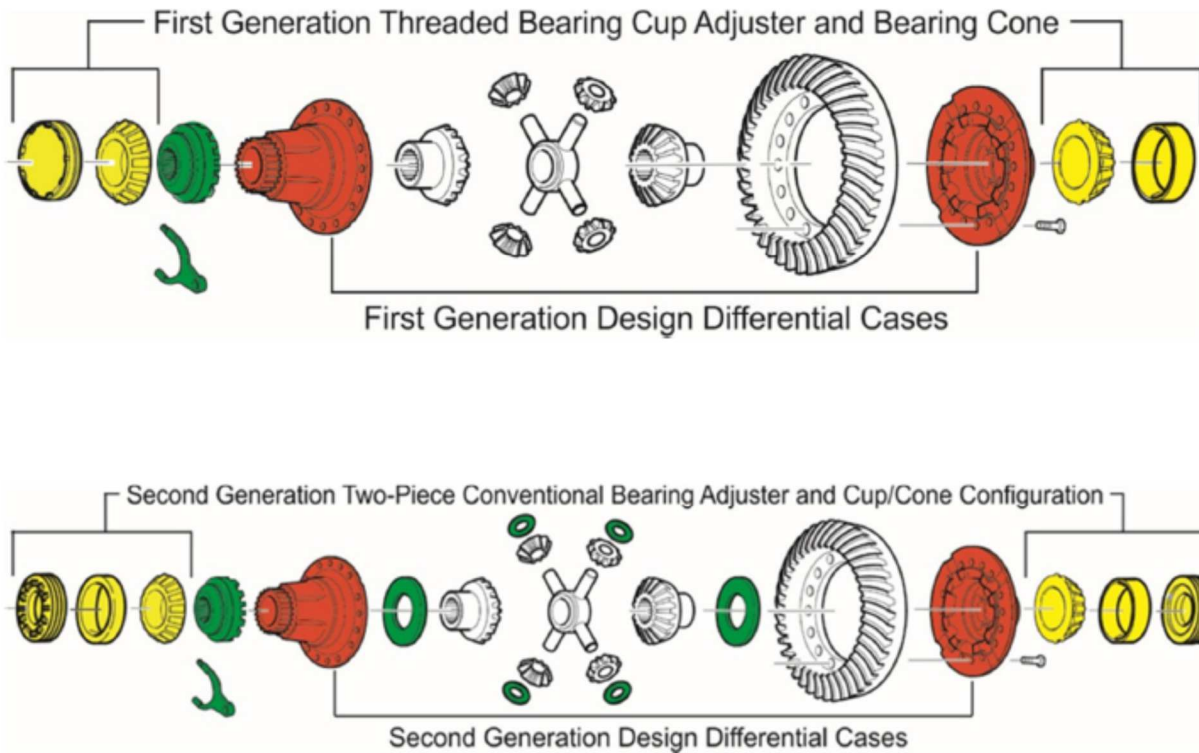
Threaded bearing cups and cones and kits that are discontinued are below:

Threaded Bearing Cup & Adjuster Assy	Mated Bearing Cone	Bearing Kits	Model
131044	131041	514011	D170D, S170DE
131048	131042	514012	D190, D190D
		514013	S170, R170 2.69 - 3.91
		514014	S170, R170 4.10 - 7.17
		514015	S170D, R170D 2.69 - 3.91 and S190, R190 2.53 - 4.78
		514016	S190, S190D, R190, R190D 5.25 - 7.83
		514238	D170D
		514239	R170D 2.69 - 3.91
		514240	S170D, R170D 4.10 - 7.17

Repairing First Generation D/R/S170, D/R/S190 & D/R/S590 made before June 10 2013, requires upgrading the diff bearings, adjusters and diff case components to those used in the current, second generation D/R/S170, D/R/S190 & D/R/S590 carriers.

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Upgrading older carriers to the more durable, and service-friendly three-piece adjuster-cup-cone eliminates the potential of failure to the welded-on adjuster rings. When replacing the highlighted items (as shown below) you essentially have upgraded the carriers to the current production design.



Note: The replacement parts included in all "Bearing Retrofit" kits or "Complete Diff Case & Bearing Retrofit" kits must be used together when retrofitting the carrier. Failure to replace any of the older design parts or install the required thrust washers to the wheel diff when rebuilding the carrier could lead to reassembly issues or a non-working carrier or premature carrier failure.

To support the repair and upgrade of the first-generation carriers, we are pleased to announce the release of new COMPLETE kits that contain all the necessary bearings, hardware, thrust washers, shift fork, and clutches along with the proper diff cases to perform a complete rebuild.



Below is a listing of the new kits, their application, and a typical bill of materials for your reference.

Complete Diff Case & Bearing Upgrade Kits (Diff Lock & Diff Lock Friendly Models)

Spicer Part Number	Model	Ratio	Spicer Part Number	Model	Ratio
K171139	D170D	3.73	K177140	D190D	3.42 - 3.58, 5.25 - 5.57
K171140	D170DP	3.42 - 3.58, 5.25 - 5.57	K177139		3.73
K171141	S170DE	3.91, 6.14	K177141	S190DE	3.91, 6.14
K171148		4.10 - 4.78, 6.83 - 7.17	K177148	4.10 - 4.78, 6.83 - 7.83	
K174143	S170D	3.07, 3.73	K174140	S190DE	3.58 - 3.91
K174140		3.21 - 3.58	K174139		4.10
K174141	S170DR	3.91	K174141	S190DR	4.30
K175148	R170D	4.10 - 5.57, 6.83 - 7.17	K174148	R190D	4.56 - 4.78
K175139		6.14	K180148	4.25	
			K180140	5.38	

Complete Diff Case & Bearing Upgrade Kits (Non-Diff Lock Models)

Spicer Part Number	Model	Ratio	Spicer Part Number	Model	Ratio
K170134	D170	3.07 - 3.21	K176140	D190	3.42 - 3.58, 5.25 - 5.57
K170135	D170P	3.42 - 3.73, 5.25 - 5.57	K176139		3.73
K170136	S170E	3.91 - 4.8, 6.14 - 7.17	K176141	S190E	3.91, 6.14
K172137		3.07 - 3.21, 3.73	K176148	4.10 - 4.78, 6.83 - 7.83	
K172135	R170	3.42 - 3.58	K178140	R190	3.58 - 3.91
K172136	S170	3.91 - 5.57, 6.83 - 7.17	K178139		4.10
K173136		4.10 - 5.57, 6.83 - 7.17	K178141	S190R	4.30
			K178148	4.56 - 5.25	
			K179140	5.38	

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Complete Diff Case & Bearing Kit – Example Kit BOM: 170135

Part Number	Description	Qty
131333	V-Ring Seal	1
132440	Input Thrust Washer	1
134323	Oil Seal	1
139968	Bearing Cone	1
139969	Bearing Cup	1
139971	Bearing Cone	1
139972	Bearing Cup	1
139973	Bearing Cone	1
139974	Bearing Cup	1
139975	Bearing Cone	1
139976	Bearing Cup	1
139992	Diff Bearing Adjuster - Plain & Flange Half	2
10035195	Bearing Cup - Diff Plain & Flange Half	2
140014	Bearing Cone - Diff Plain & Flange Half	2
HS108-1	Side Gear Thrust Washers	2
300HS100-1	Side Pinion Thrust Washers	4
139997	Diff Case - Flange Half	1
140003	Diff Case - Plain Half	1
131473	Capscrew - Diff Case	16
140028	Locking Clip - Straight	2
140027	Locking Clip - Bent	2
140029	Lock Spacers	4
10005790	Screw - Flange Head	4
107276S	Sealant RTV	1
SHAIS207	Information Sheet - Rev B	1

DRIVE AXLE INFO

Current literature can be downloaded from www.spicerparts.com or at www.dana.com.au
Should you have any queries on the above or require further information, please contact
Dana Australia on 1300 00 DANA