

Upgraded Spicer® Seal and Yoke Slinger Service Kits – Part Number Information

Date: **January 2020**

To: **All Dana Aftermarket Group Spicer® Heavy Axle Customers**

**Affected Models: Tandems Axles - D/R404, DSP/RSP40, DSH/RSH40, DSH/RSH44, DST40
Single Axles - 17/19/21/22060S, P20060, P22060S, 23060SH**

On May 21st, 2018 Dana released an improved Spicer® seal and yoke slinger design for our 404 family of Spicer drive axles. The new seals and slingers are noticeably different from the current design and will affect interchangeability. Use the images below to identify the physical differences between designs. You will also find compatibility charts on page 2 that provide you with combinations of old and new parts that cannot be interchanged, as well as the correct seal and slinger match up to ensure compatibility.

The bills of material have changed on all service kits with the affected seals. Because of this design change and unique compatibility, the service kits will now contain the new seals with the correct new profile slingers to ensure proper repair. These new service kits can easily be identified with a -1 suffix added to the end of the old part numbers. The chart on page 3 will help identify the correct replacement kit for your service needs. They are in numerical order.

On page 4 you will find new yoke and slinger assemblies on the right-hand side of the page to ensure the correct NEW slinger is mated with the NEW seal.

	Forward-Input Seal	Forward-Output Seal	Rear Rear-Pinion Seal
Old (FNOK) Seal Part #	 127591	 127592	 127591
New (ROC) Seal Part #	 2019185	 2022740	 2019185

	Forward-Input Slinger	Forward-Output Slinger	Rear Rear-Pinion Slinger
Old Slinger Part #	 232511	 232514	 232511
New Slinger Part #	 139782	 2022741	 139782

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Interchangeability Charts

Important Note: If a new profile seal is used with a yoke slinger designed for the previous generation seal, there is significant risk for premature failure of the seal.

The charts below identify seal and slinger combinations that **should NOT be assembled together**. When servicing a carrier seal with the new seal, you MUST use a new profile slinger on the end yoke before reassembling.

Input and Pinion Seals			Output Seals		
Seal Part #	Slinger Part #	Compatibility	Seal Part #	Slinger Part #	Compatibility
Old 127591	New 139782	DO NOT Install Together	Old 127592	New 2022741	DO NOT Install Together
New 2019185	Old 232511	DO NOT Install Together	New 2022740	Old 232514	DO NOT Install Together

The charts below identify seal and slinger combinations **that CAN be assembled together**. Old seal and old slingers are ONLY compatible with each other, while new seal and slingers are ONLY compatible with each other.

Input and Pinion Seals			Output Seals		
Seal Part #	Slinger Part #	Compatibility	Seal Part #	Slinger Part #	Compatibility
Old 127591	Old 232511	Install Together	Old 127592	Old 232514	Install Together
New 2019185	New 139782	Install Together	New 2022740	New 2022741	Install Together

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Individual Parts

New Kit Number	Previous Kit Number	Kit Description	Series	New Seals in Kit	New Slings Added
216220-1	216220	Kit-Basic Overhaul Before June 2008	DS404	2019185 2022740	139782 2022741
216221-1	216221	Kit-Basic Overhaul	RS404	2019185	139782
216224-1	216224	Kit-Oil Seal and Shim	D404	2019185 2022740	139782 2022741
216225-1	216225	Kit-Oil Seal and Shim	R404/21060S	2019185	139782
216234-1	216234	Kit-Axle Bearing Before June 2008	DS404	2019185	139782
216248-1	216248	Kit-Axle Bearing	RS404	2019185	139782
217463-1	217463	Kit-Basic Overhaul Before June 2008	DD404	2019185	139782
217464-1	217464	Kit-Basic Overhaul	RD404	2019185	139782
504030-1	504030	Kit-Basic Overhaul After June 2008	DSP40	2019185 2022740	139782 2022741
504031-1	504031	Kit-Basic Overhaul After June 2008	DSP40	2019185 2022740	139782 2022741
504033-1	504033	Kit-Carr Reblid Brg After June 2008	DS404	2019185	139782
504034-1	504034	Kit-Carr Reblid Brg After June 2008	DD404	2019185	139782
504117-1	504117	Kit-Carr Reblid Brg Before June 2008	DD404	2019185	139782
504118-2	504118	Kit-Carr Reblid Brg Before June 2008	DS404	2019185	139782
504119-1	504119	Kit-Bearing and Seal Basic Overhaul	RS404	2019185	139782
504120-1	504120	Kit-Carrier Brg Before June 2008	DS404	2019185 2022740	139782 2022741
504121-1	504121	Kit-Basic Overhaul	RS404	2019185	139782
504161-1	504161	Kit-Carrier Reblid Brg	DSP40	2019185	139782
504207-1	504207	Kit-D404 Seal and Nut	DS404/DSP40	2019185	139782
510393-1	510393	Kit-Basic Overhaul Before June 2008	DSH40	2019185 2022740	139782 2022741
510398-1	510398	Kit-Basic Overhaul	RSH40	2019185	139782
510399-1	510399	Kit-Basic Overhaul Before June 2008	DDH40	2019185 2022740	139782 2022741
510400-1	510400	Kit-Basic Overhaul	RDH40	2019185	139782
511169-1	511169	Kit-Oil Seal and Shim	RST40	2019185	139782
512800-1	512800	Kit-Bearing and Seal Before June 2008	DDH40	2019185 2022740	139782 2022741
512805-1	512805	Kit-Bearing and Seal	RDH40/RDP40	2019185	139782
512806-1	512806	Kit-Bearing and Seal	RSH40/RSP40	2019185	139782
512812-1	512812	Kit-Bearing and Seal Before June 2008	DSP40/DSH40	2019185 2022740	139782 2022741
512828-1	512828	Kit-Bearing and Seal Before April 2005	RST40	2019185	139782
512829-1	512829	Kit-Bearing and Seal Before April 2005	RST40	2019185	139782
514059-1	514059	Kit-Bearing and Seal After April 2005	RST40	2019185	139782
514061-1	514061	Kit-Basic Overhaul After April 2005	RST40	2019185	139782

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Yoke and Slinger Conversion Chart

To support the service requirements for these carriers, Dana Aftermarket Group has released the new pinion seals and end yoke slingers in the right-hand table. The left-hand table represents the old yoke assembly number with the OLD slinger.

Current End Yoke Assemblies with Current Slinger		NEW End Yoke Assemblies with New Slinger	
Assembly Number	Slinger	New Yoke Assembly	Slinger
6-4-8981X	232511	6-4-10441X	139782
6-4-8981-1X	232511	6-4-10441-1X	139782
6.3-4-5221X	232511	6.3-4-1911X	139782
6.3-4-5221-1X	232511	6.3-4-1911-1X	139782
6.5-4-4571X	232511	6.5-4-5181X	139782
6.5-4-4571-1X	232511	6.5-4-5181-1X	139782
140-4-331-1X	232511	140-4-1781-1X	139782
170-4-201-1X	232511	170-4-2041-1X	139782
250-4-81-1X	232511	250-4-1321-1X	139782
6-4-9041X	232514	6-4-10451X	2022741
6-4-9041-1X	232514	6-4-10451-1X	2022741
6-4-9001X	232514	6-4-10461X	2022741
6-4-9001-1X	232514	6-4-10461-1X	2022741
170-4-221-1X	232514	170-4-2051-1X	2022741
170-4-241-1X	232514	170-4-2061-1X	2022741
5008578	232514	170-4-2071-1X	2022741
3-4-13081-1X	232511	55-4-251-1X	139782
4-4-7571-1X	232511	70-4-391-1X	139782
5-4-9231-1X	232511	5-4-9811-1X	139782
6-4-9031X	232511	6-4-10471X	139782
6-4-9031-1X	232511	6-4-10471-1X	139782
6-4-8991X	232511	6-4-10481X	139782
6-4-8991-1X	232511	6-4-10481-1X	139782
90-4-251-1X	232511	100-4-1551-1X	139782
100-4-1371-1X	232511	100-4-1561-1X	139782
140-4-371-1X	232511	140-4-1791-1X	139782
140-4-1401-1X	232511	140-4-1801-1X	139782
170-4-261-1X	232511	170-4-2081-1X	139782
170-4-281-1X	232511	170-4-2091-1X	139782
5008577	232511	170-4-2101-1X	139782

If you need additional information, please contact your Dana Aftermarket representative. Thank you for your continued support of Dana Aftermarket products!

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