



UPGRADED SEAL AND YOKE SLINGER SERVICE KITS

PART NUMBER INFORMATION

DATE: May 21, 2018

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 xx/xx/18 Dana released an improved seal and yoke slinger design for our 404 family of 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 a chart that gives you combinations of old and new parts that can not be interchanged.

The bill of material has changed on many service kits due to this change in seal and yoke slinger design. Service kits that contain the new seals will include the new slingers to insure a proper repair. These new service kits can easily be identified with a -1 suffix added to the end of the old part numbers. Use the charts below to identify the correct replacement kit for your service needs.

HD AXLE INFO

	Forward - Input Seal	Forward - Output Seal	Rear Rear - Pinion Seal
Old (FNOK) Seal Part Number			
	127591	127592	127591
New (ROC) Seal Part Number			
	2019185	2022740	2019185
	Forward - Input Slinger	Forward - Output Slinger	Rear Rear - Pinion Slinger
Old Slinger Part Number			
	139782	232514	139782
New Slinger Part Number			
	232511	2022741	232511



Interchangeability Chart

Important: 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 chart below identifies seal and slinger combinations that should not be assembled together. When servicing and carrier seal with the new seal, you **MUST** use a new profile slinger on the end yoke before reassembling.

Input & Pinion Seals			Output Seal		
Seal P/N	Slinger P/N	Compatibility	Seal P/N	Slinger P/N	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

Service Kit Conversion Chart

Kits with seal and slinger changes only:

New Kit Number	Previous Kit Number	Kit Description	Series	Seals Removed from Kit	Seals Added to Kit	Slingers Added to Kit
216220-1	216220	KIT-BASIC OVERHAUL BEFORE JUNE 2008	DS404	127591 & 127592	2019185 & 2022740	2022741 & 139782
504118-2	504118	KIT-CARR REBLD BRG BEFORE JUNE 2008	DS404	127591	2019185	139782
216221-1	216221	KIT-BASIC OVERHAUL	RS404	127591	2019185	139782
504033-1	504033	KIT-CARR REBLD BRG AFTER JUNE 2008	DS404	127591	2019185	139782
510393-1	510393	KIT-BASIC OVERHAUL BEFORE JUNE 2008	DSH40	127591 & 127592	2019185 & 2022740	2022741 & 139782
504030-1	504030	KIT-BASIC OVERHAUL AFTER JUNE 2008	DSP40	127591 & 127592	2019185 & 2022740	2022741 & 139782
504070-1	504070	KIT-CARR BRG REBLD	S110/S130	127591	2019185	139782
217464-1	217464	KIT-BASIC OVERHAUL	RD404	127591	2019185	139782
510398-1	510398	KIT-BASIC OVERHAUL	RSH40	127591	2019185	139782
510400-1	510400	KIT-BASIC OVERHAUL	RDH40	127591	2019185	139782
217463-1	217463	KIT-BASIC OVERHAUL BEFORE JUNE 2008	DD404	127591	2019185	139782
504031-1	504031	KIT-BASIC OVERHAUL AFTER JUNE 2008	DSP40	127591 & 127592	2019185 & 2022740	2022741 & 139782
510399-1	510399	KIT-BASIC OVERHAUL BEFORE JUNE 2008	DDH40	127591 & 127592	2019185 & 2022740	2022741 & 139782
216224-1	216224	KIT-OILSEAL & SHIM	D404	127591 & 127592	2019185 & 2022740	2022741 & 139782
504068-1	504068	KIT-BEARING & SEAL	S110/S130	127591	2019185	139782
216248-1	216248	KIT-AXLE BEARING	RS404	127591	2019185	139782
216234-1	216234	KIT-AXLE BEARING BEFORE JUNE 2008	DS404	127591	2019185	139782
504119-1	504119	KIT-BEARING & SEAL BASIC OVERHAUL	RS404	127591	2019185	139782
512812-1	512812	KIT-BEARING & SEAL BEFORE JUNE 2008	DSP40/DSH40	127591 & 127592	2019185 & 2022740	2022741 & 139782
512806-1	512806	KIT-BEARING & SEAL	RSH40/RSP40	127591	2019185	139782
504121-1	504121	KIT-BASIC OVERHAUL	RS404	127591	2019185	139782
216225-1	216225	KIT-OILSEAL & SHIM	R404/210605	127591	2019185	139782
504114-1	504114	KIT-BEARING & SEAL	S140	127591	2019185	139782
504207-1	504207	KIT-D404 SEAL & NUT	DS404/DSP40	127591	2019185	139782
512805-1	512805	KIT-BEARING & SEAL	RDH40/RDP40	127591	2019185	139782
514061-1	514061	KIT-BASIC OVERHAUL AFTER APRIL 2005	RST40	127591	2019185	139782
512828-1	512828	KIT-BEARING & SEAL BEFORE APRIL 2005	RST40	127591	2019185	139782
360KS104-X-1	360KS104-X	KIT-BEARING & SEAL	S135/150	127591	2019185	139782
504034-1	504034	KIT-CARR REBLD BRG AFTER JUNE 2008	DD404	127591	2019185	139782
504117-1	504117	KIT-CARR REBLD BRG BEFORE JUNE 2008	DD404	127591	2019185	139782
504120-1	504120	KIT-CARRIER BRG BEFORE JUNE 2008	DS404	127591 & 127592	2019185 & 2022740	2022741 & 139782
504161-1	504161	KIT-CARR REBLD BRG	DSP40	127591	2019185	139782
511169-1	511169	KIT-OILSEAL & SHIM	RST40	127591	2019185	139782
512800-1	512800	KIT-BEARING & SEAL BEFORE JUNE 2008	DDH40	127591 & 127592	2019185 & 2022740	2022741 & 139782
512829-1	512829	KIT-BEARING & SEAL BEFORE APRIL 2005	RST40	127591	2019185	139782
514059-1	514059	KIT-BEARING & SEAL AFTER APRIL 2005	RST40	127591	2019185	139782

HD AXLE INFO



Yoke and Slinger Conversion Chart

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
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

HD AXLE INFO

To support the service requirements for these carriers, Dana Aftermarket Group has released the following new pinion seals and end yoke slingers

If you need additional information, please contact your Dana Aftermarket representative.

Chris Boesel

Sr. Product Manager
Spicer® Heavy Axle Products



ROUTING FORM

Please review the bulletin and make any comments or changes. When finished, please indicate the date in which you reviewed the document next to your name in the table below, then save the document. If you have any questions, please call me. Thank you

Name	Date you reviewed the bulletin (also your name, if it's not specified)
Ron Draheim	
Chris Boesel	
Bernie Powers	
Mike Hoelscher	
OG	
Chris Youngs	
Anna Marty	

HD AXLE INFO

BULLETIN WRITER'S DISTRIBUTION FORM

NOTE: This entire form **must** be completed before the bulletin can be distributed

Name: **Bernie Powers** Today's Date: **03/30/18** Desired Distribution Date: 04/03/18

Does this bulletin need to be reported to NHTSA? Yes No

It must be reported if the communication involves a defect, nonconformity to specification, or some other problem with a Dana product which will be used on or in conjunction with, an on-highway motor vehicle (whether as an original component or as a replacement part). The requirement exists regardless of whether or not the defect, nonconformity, or problem is safety-related.

Distribution via Email? Via conventional mail? Via Sales Force?

Add to DanaMATE.com? Add to The Expert.com? xx Under what categories? HAXL

Who Gets What?

1. What customer prefixes should receive this bulletin? 1 2 3 4 5 6 7 8 9

Include Extensions (check to include)

2. What Right-To-Buy Code(s) is this bulletin being mailed? **WAXL HAXL RAXL**

3. What quantities should be mailed to customers?

Standard "bulk" quantities (established at initial customer setup)

Special quantity (limited distribution due to expense, audience or need): Send _____ pieces per location.

4. Does this bulletin affect a private brand? Yes No

5. Does this bulletin affect OES customers? Yes No

Supplements, Attachments, Misc. List everything that is to be mailed with this bulletin & where it is.

Attachment	Source	Attachment	Source
	Checking		Checking
	Checking		Checking

1. Will this **bulletin** be a supplement to something already in stock? (example, the bulletin contains a catalog correction that, from this point forward, needs to go along with an existing catalog). Supplement to: _____ (list all item numbers)

2. Does this bulletin need to be reviewed by Risk Management? Yes No

If Yes, has it been reviewed by Risk Management? Yes No

NOTE: IF THIS DOCUMENT SHOULD BE REVIEWED BY RISK MANAGEMENT BUT HAS NOT BEEN REVIEWED YET, DO NOT GO ANY FURTHER IN THIS BULLETIN PROCESS UNTIL THE REVIEW HAS BEEN COMPLETED.