

Spicer® Drive Axles

SPICER®



Illustrated Parts List

AXIP-0049

February 2015

AdvanTEK® 40
D155, D155D, D156, D156D,
R155, R155D, R156, R156D

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General Information

How To Use Illustrated Parts List

Ordering Parts

This parts book is organized in sections according to parts servicing requirements. Use the Contents or page headings and colored tabs to find information.

Use this book to order parts for your Dana® Spicer® Axle.

For convenience, part numbers have been included for all pieces of the carrier assembly. Some of these parts, such as the carrier and caps, are serviced only in kits or assemblies. Part numbers are for your reference only. Those parts not serviced separately are identified with NSS.

Kits and Assemblies

Kits and Assemblies contain groups of individual or assembled parts developed for optimal replacement or repair of a service problem.

Kits and Assemblies are shown with applicable parts groupings in the parts listing.

See the Appendix for detailed information concerning kits applicable to this model.

Abbreviations

AR - As Required - Parts that vary in quantity with each axle. Example: shims

NSS - Not Serviced Separately - Items which can only be purchased in sets, kit form or service assemblies. Example: brake shoes.

RH/LH - Right Hand/Left Hand - Determined as viewed from behind the vehicle looking forward.

“RTV” - Gasket Compound - Formed-in-place gasket sealer. It is recommended for use on all surfaces requiring a gasket.

Assy - Assembly

Brg - Bearing

Diff - Differential

Hsg - Housing

Inv - Involute

ABS - Antilock Brake System

N/A - Not Applicable

Str - Straight

Illustrations

Illustrations show parts in assembly groups.

Item numbers on illustrations correspond with parts listings on pages that accompany the drawings.

Notes are included on illustrations where needed.

Parts Listings

Parts listings are defined by parts groupings and are broken down by service assemblies.

Parts Listings identify a part for servicing with the following categories:

Item - corresponds with numbers on illustrations for part identification

Part Name - specifies part name or description

Quantity (Qty) - quantity required for assembly

Current Part - service part numbers are broken down by model, type or other applicable information

Notes - define unique characteristics or replacement notes

Kits / Assy's Where Used - indicates Kits or Assemblies that contain a particular part

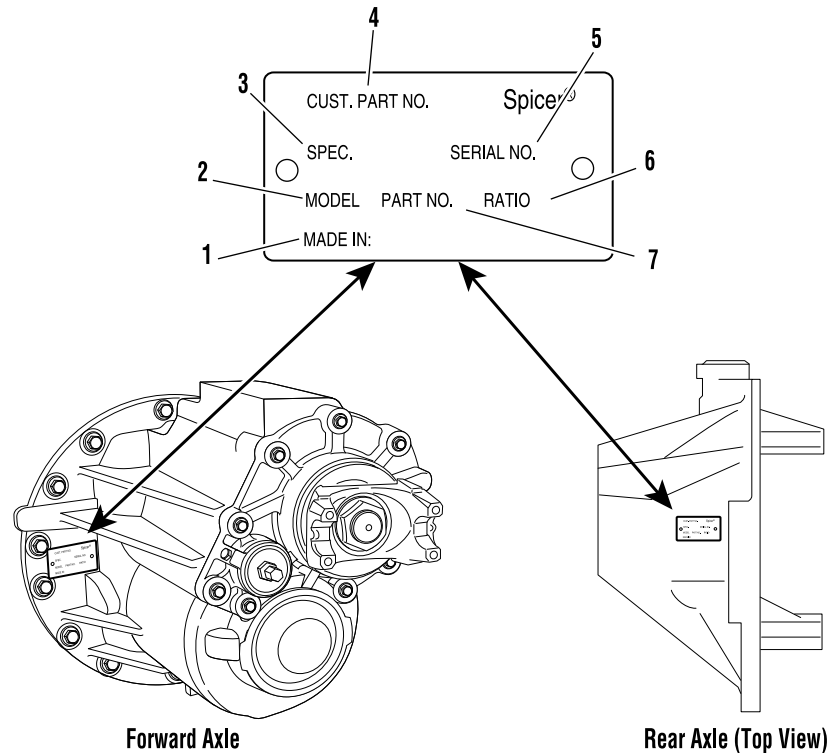
Other pertinent information is listed in tables or parts listings as required.

Model Identification

Locating Model Designation Information

Axle Model Identification, Part Number and Serial Number are located on a tag at the axle centerline. This information will help to locate information in this book and to identify the correct parts for servicing.

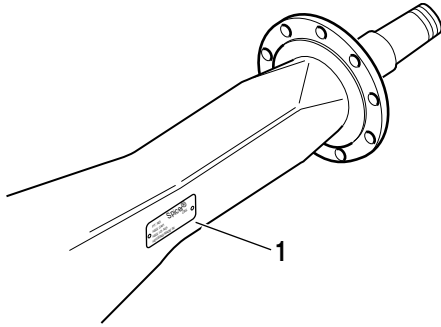
Drive Axles



- 1 - Country or origin**
- 2 - Axle model identification**
- 3 - Specification number assigned to the axle built by Spicer. Identifies all component parts of the axle including special OEM requirements such as yokes or flanges.**
- 4 - OEM part number assigned to the axle build**
- 5 - Carrier assembly serial number assigned by the manufacturing plant**
- 6 - Axle gear ratio**
- 7 - Carrier assembly production or service part number**

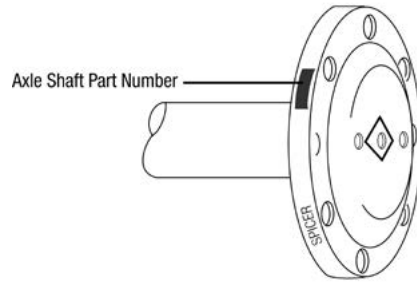
Model Identification

Axle Housing



1 - ID Tag

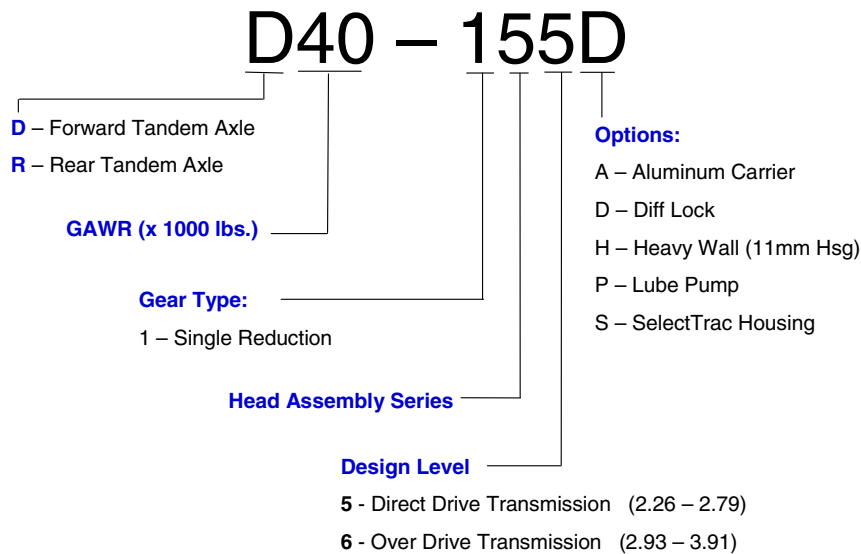
Axle Shaft



2 - Axle shaft part number

Using Model Designation to Identify Axle Components

The Axle Model Identification number contains information that is important to understand when purchasing service parts or new components. The Model Identification number provides important vehicle, capacity and application information and model features. Use this guideline to understand your Axle Model Identification. If you need assistance, contact your Dana Aftermarket representative.



Effectively using a Parts Listing - Example

Follow the example below to locate and order exactly what is required for servicing.

Match to items on illustration	Use to identify Part	Order this quantity for servicing	Order Part Number		Indicated information important to ordering or use
Item	Part Name	Qty	MODEL1	MODEL2	Notes
1	Axle Shaft	2	xxxxxx	xxxxxx	See Axle Shaft Chart
2	Flat Washer	4	xxxxxx	xxxxxx	

Kits and Assemblies

Item	Part Name	Qty	MODEL1	MODEL2	Notes
Bearing Kits		1	xxxxxx	xxxxxx	Contents Identified with *

Models

The following models are included in this publication:

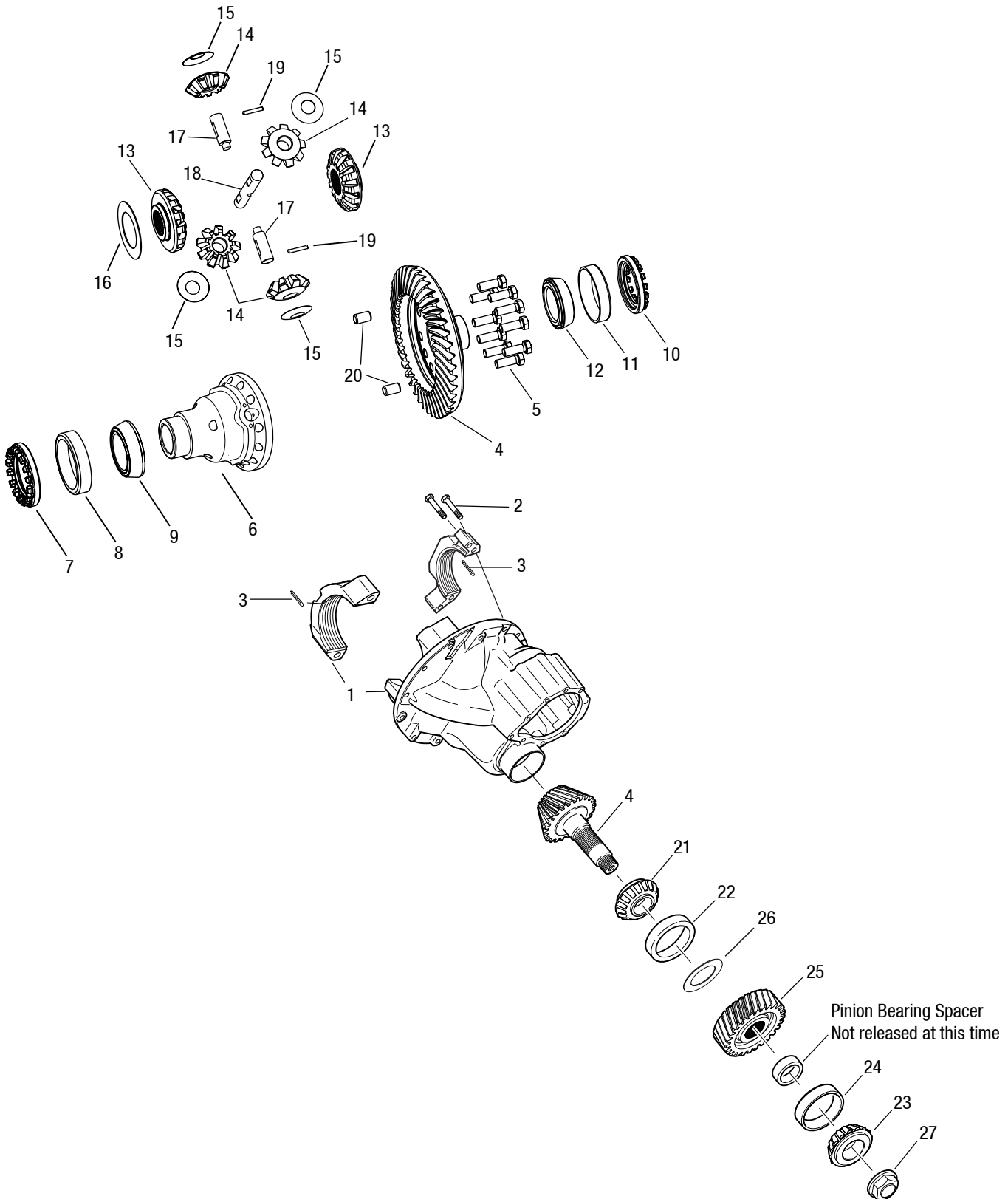
Single Reduction Models

Forward Axle	Rear Axle	Axle Capacity	Gear Size
D40-155	R40-155	40,000 Lbs	15.75" Hypoid Gear
D40-156	R40-156	40,000 Lbs	15.75" Hypoid Gear

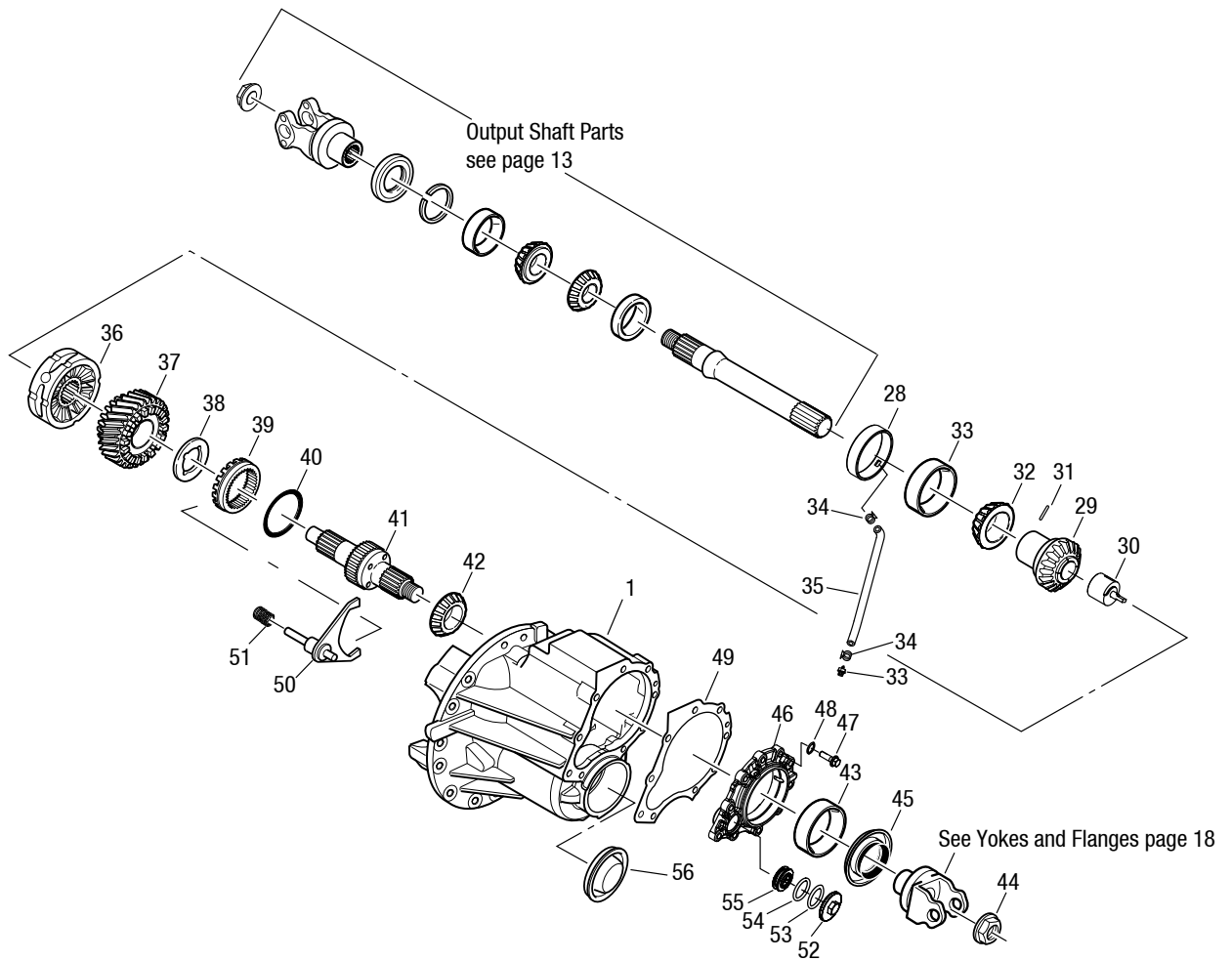
Single Reduction Models with Wheel Differential Lock

Forward Axle	Rear Axle	Axle Capacity	Gear Size
D40-155D	R40-155D	40,000 Lbs	15.75" Hypoid Gear
D40-156D	R40-156D	40,000 Lbs	15.75" Hypoid Gear

Single Reduction-Forward Axle AdvanTEK® 40



D155 / D156 Forward Axle Exploded View



Single Reduction-Forward Axle AdvanTEK® 40

D155 / D156 Forward Axle Power Divider

Item	Description	Qty	D155(P) D155D(P)	D156(P) D156D(P)	Notes
	KIT-BEARING	1	n/a	n/a	Not released at this time
1a	Carrier Sub-Assy - Standard	1	134659	134659	Not released at this time
1b	Carrier Sub-Assy - Diff Lock	1	134653	134653	Not released at this time
2	Capscrew - Carrier	4	n/a	n/a	Not released at this time
3	Cotter Pin	2	090873	090873	
4	KIT - RING GEAR & DRIVE PINION	1	n/a	n/a	Kits not released at this time
	KIT - RING GEAR BOLTS	1	504305	504305	Includes qty-12 of item 5
5	Ring Gear Bolts (Drive Screw)	12	10000182	10000182	
6	Diff Case	1	n/a	134578	Not released at this time
7	Brg Adjuster-Plain Side	1	134608	134608	Not released at this time
8	Bearing Cup-Plain Side	1	134300	134300	Not released at this time
9	Bearing Cone-Plain Side	1	n/a	n/a	Not released at this time
10	Brg Adjuster-Flange Side	1	133873	133873	Not released at this time
11	Bearing Cup-Flange Side	1	n/a	n/a	Not released at this time
12	Bearing Cone-Flange Side	1	n/a	n/a	Not released at this time
	KIT - WHEEL DIFF SIDE GEAR	1	504312	504312	Includes Items 13-18
13	Side Gear - 41 Inv	2	127368	127368	
14	Side Pinion	4	133784	133784	
15	Thrust Washer - Pinion	4	129305	129305	
16	Thrust Washer - Side Gear	1	127386	127386	
17	Shaft Pin - Differential	2	134152	134152	
18	Shaft Pin - Differential	1	134151	134151	
19	Pin-Dowel	2	130605	130605	
20	Dowel-Gear to Case	2	132821	132821	
21	Bearing Cone - Inner Pinion	1	n/a	n/a	Not released at this time
22	Bearing Cup - Inner Pinion	1	n/a	n/a	Not released at this time
23	Bearing Cone - Outer Pinion	1	n/a	n/a	Not released at this time
24	Bearing Cup - Outer Pinion	1	n/a	n/a	Not released at this time
25	Pinion Gear	1		134758	Not released at this time
26	Pin Brg Spacer (varies)	1	n/a	n/a	Not released at this time
	KIT - PINION BRG SHIM		504324	504324	Not released at this time
26a	Shim -	AR	n/a	n/a	Not released at this time
26b	Shim -	AR	n/a	n/a	Not released at this time
26c	Shim -	AR	n/a	n/a	Not released at this time
26d	Shim -	AR	n/a	n/a	Not released at this time
26e	Shim -	AR	n/a	n/a	Not released at this time
27	Nut-Pinion	1	131095	131095	
28a	Seal Manifold Assy - Non Pump	1	134663	134663	Non-Pump
29a	Output Side Gear - Non Pump	1	134768	132443	Non-Pump
	KIT - MANIFOLD PARTS - PUMP MODELS	1	504315	504315	Pump Models - Includes 28b, 33-35
28b	Seal Manifold Assy-134675-nss	1	n/a	n/a	Pump Models - Must order kit 504315
	KIT - LUBE PUMP w/OUTPUT GEAR	1	504028	tbd	Pump Models - Includes 29b-32
29b	Output Side Gear - Pump Model	1	132061		Pump Models
30	Lube Pump #131368-NSS	1	131368-nss	131368-nss	Pump Models
31	Pump Locking Pin	1	131541	131541	Pump Models
32	Bearing Cone - O/P Side Gear	1	132060		Pump Models
33	Filter Screen Assy	1	133964	133964	Pump Models
34	Clamp	2	129338	129338	Pump Models

Single Reduction-Forward Axle AdvanTEK® 40

Item	Description	Qty	D155(P) D155D(P)	D156(P) D156D(P)	Notes
35	Lube Hose	1	134677	134677	Pump Models
36	Inter-Axle Diff Assy	1	134192	139965	
37	Helical Side Gear & Bushing	1	134684	134692	
38	Thrust Washer - Helical Gear	1	132440	132440	
39	Lockout Sliding Clutch	1	131332	131332	
40	Oil Seal-V-Ring	1	131333	131333	
41a	KIT - INPUT SHAFT - NON PUMP	1	504307	-----	Shaft# 134666 (incls #44)
41b	KIT - INPUT SHAFT - PUMP MDLS	1	504308	-----	Shaft# 134678 (incls #44)
41c	KIT - INPUT SHAFT - NON PUMP	1	-----	504309	Shaft# 134682 (incls #44)
41d	KIT - INPUT SHAFT - PUMP MDLS	1	-----	504310	Shaft# 134690 (incls #44)
42	Input Shaft Bearing Cone	1	139973	134303	
43	Input Shaft Bearing Cup	1	139974	134304	
	KIT - OIL SEAL & NUT (input)	1	504320	504321	Includes items 44-45
44	Nut - Input	1	131095	128049	
45	Seal - Input	1	134583	2019185	
	KIT - INPUT COVER	1	504316	504317	Includes Items 46-48, 49a-49e
46	Input Cover	1	134686	134672	
47	Cover Capscrew	9	210015	10000875	
48	Washer	9	not used	130877	
	KIT - SHIM - INPUT CVR	1	504319	504319	Includes 2 each of 49a-49e
49a	Shim - .003"	AR	134712	134712	See kit 504319
49b	Shim - .005"	AR	134711	134711	See kit 504319
49c	Shim - .010"	AR	134710	134710	See kit 504319
49d	Shim - .020"	AR	134709	134709	See kit 504319
49e	Shim - .030"	AR	134708	134708	See kit 504319
	KIT - SHIFT FORK & SPRING	1	504314	504314	Includes Items 50-51
50	Shift Fork Assy - NSS	1	134668-nss	134668-nss	Order kit 504314
51	Compression Spring	1	129859	129859	
	KIT - AIR LOCKOUT REPAIR-COMP w/FORK	1	504311	504311	Includes Items 50-55
	KIT - AIR LOCKOUT REPAIR	1	512892	512892	Includes Items 52-55
52	Piston Cover	1	131096	131096	
53	O-Ring	1	131665	131665	
54	Piston	1	131232	131232	
55	O-Ring	1	210180	210180	
56	Plug-Carrier	1	131544	131544	
57	RTV - Sealant 3oz	1	107276S•	107276S•	Not Illustrated

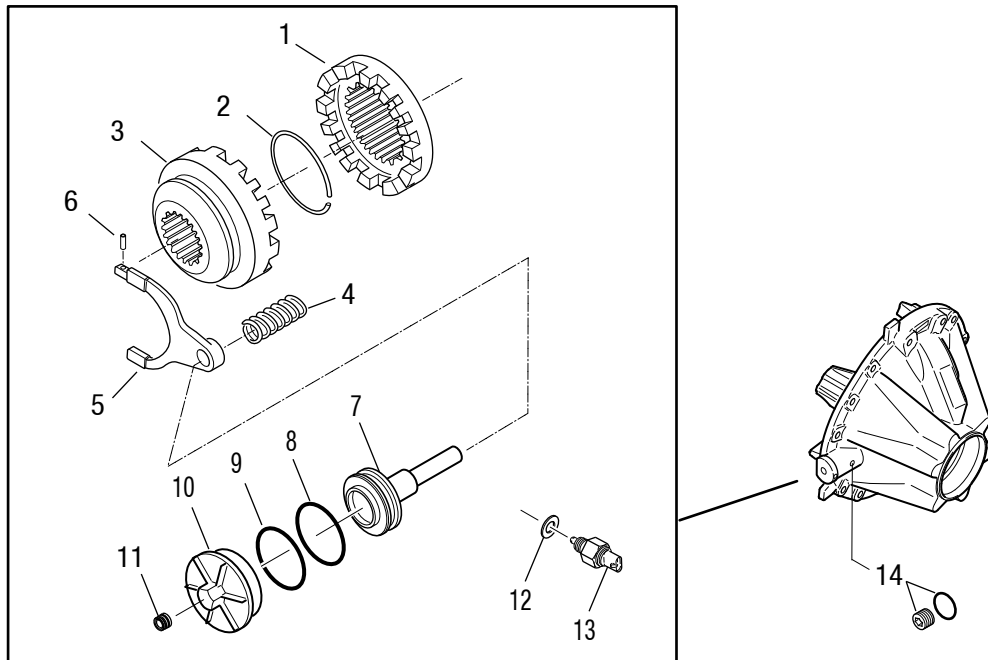
NSS - Not Sold Separately

Summary of Kits and Assemblies

Kit-Air Lockout - Complete w/ Fork	504311	Includes: 50-55
Kit-Air Lockout Repair	512892	Includes: 52-55
Kit-Shift Fork & Compression Spring	504314	Includes: 50-51

Differential Lock Shift Parts AdvanTEK® 40

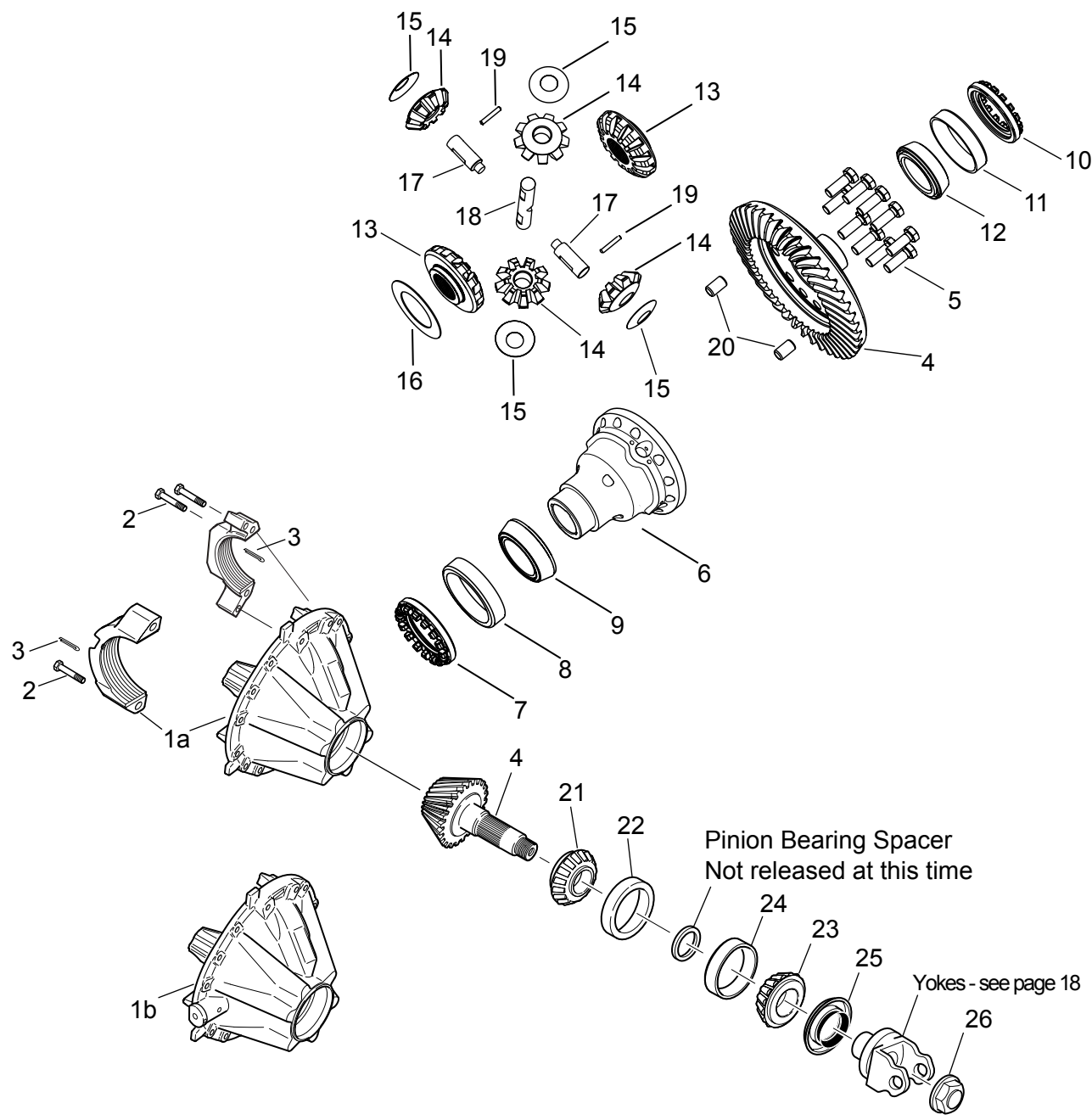
Differential Lock Shift Parts - All Models



WHEEL DIFFERENTIAL LOCK ASSEMBLY

Item	Description	Qty	All Diff-Lock Models	Notes
1	Fixed Clutch Gear	1	128627	
2	Snap Ring	1	129433	
3	Sliding Clutch	1	126840	
KIT - SHIFT FORK & PIN			504316	Includes items 4-5
4	Shift Fork-NSS	1	134585-nss	
5	Pin	1	210020	
KIT - DIFF LOCK SHIFT PARTS			504313	Includes items 6-10
6	Spring-Compression	1	131102	
7	Push Rod Assy	1	134587	
8	O-Ring - Piston	1	210180	
9	O-Ring - Cap Cover	1	131665	
10	Piston Cover (Diff Lock Cap)	1	131096	
11	Plug - Cap	1	129035	
12	Washer - Switch	1	129034	
13	Switch - Selector	1	129035	
14	O-Ring & Plug Assy	1	131487	Optional Part

Single Reduction - Rear Axles



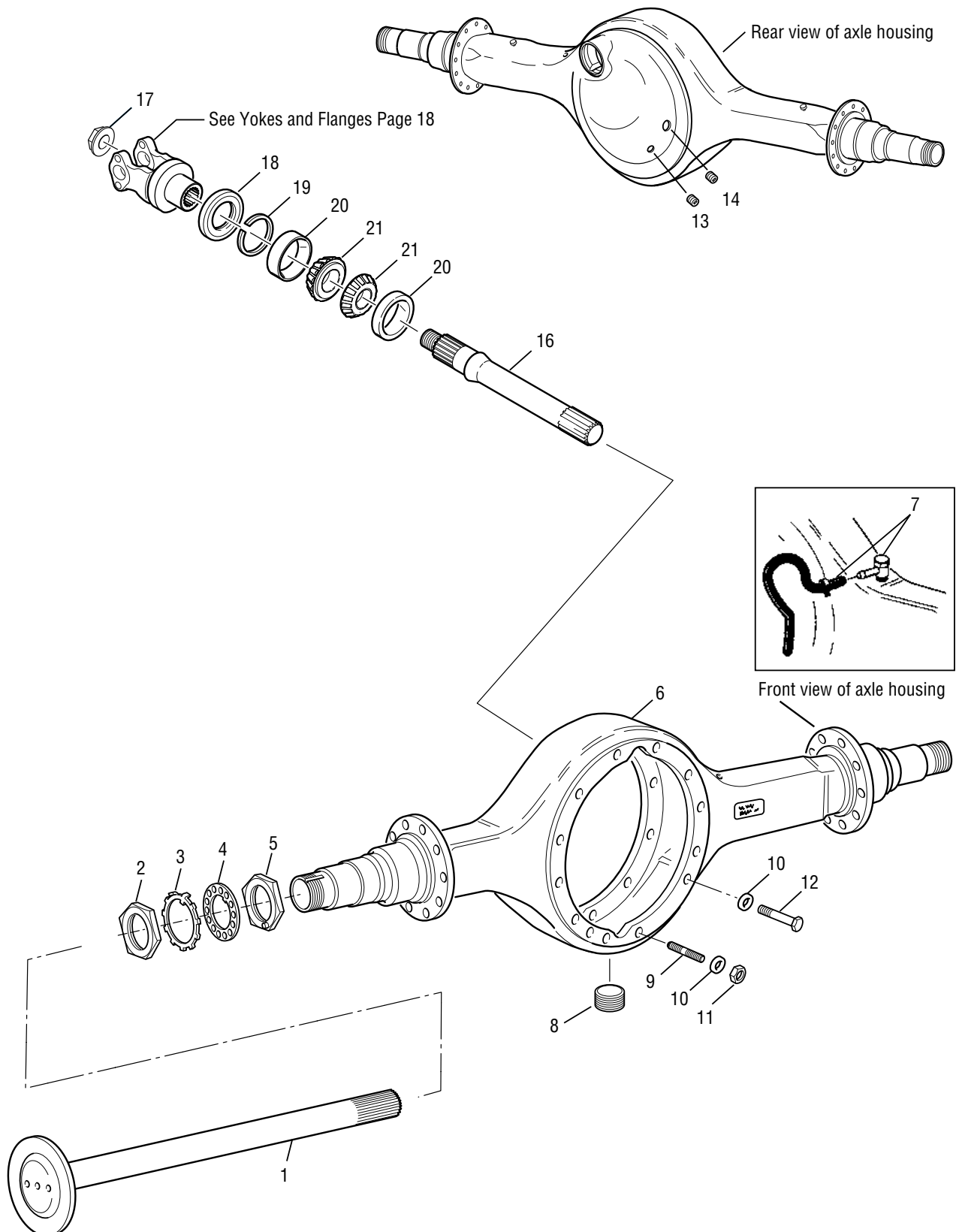
Single Reduction - Rear Axles

Item	Description	Qty	R155 R156	R155D R156D	Notes
KIT - BEARING		1	n/a	n/a	Not released at this time
1a	Diff Carr Sub-Assy - Standard	1	134588	-----	Not released at this time
1b	Diff Carr Sub-Assy - Diff Lock	1	-----	134483	Not released at this time
2	Capscrew - Carrier	6	n/a	n/a	Not released at this time
3	Cotter Pin	2	090873	090873	
4	KIT - RING GEAR & DRIVE PINION	1	n/a	n/a	Kits not released at this time
KIT - RING GEAR BOLTS		1	504305	504305	Includes qty-12 of item 5
5	Ring Gear Bolts (Drive Screw)	12	10000182	10000182	
6	Diff Case - Plain Side	1	n/a	134578	Not released at this time
7	Brg Adjuster-Plain Side	1	134608	134608	Not released at this time
8	Bearing Cup-Plain Side	1	134300	134300	Not released at this time
9	Bearing Cone-Plain Side	1	n/a	n/a	Not released at this time
10	Brg Adjuster-Flange Side	1	133873	133873	Not released at this time
11	Bearing Cup-Flange Side	1	n/a	n/a	Not released at this time
12	Bearing Cone-Flange Side	1	n/a	n/a	Not released at this time
KIT - WHEEL DIFF SIDE GEAR		1	504312	504312	Includes Items 13-18
13	Side Gear - 41 Inv	2	127368	127368	
14	Side Pinion	4	133784	133784	
15	Thrust Washer - Pinion	4	129305	129305	
16	Thrust Washer - Side Gear	1	127386	127386	
17	Shaft Pin - Differential	2	134152	134152	
18	Shaft Pin - Differential	1	134151	134151	
19	Pin-Dowel	2	130605	130605	
20	Dowel-Gear to Case	2	132821	132821	
21	Pinion Bearing Cone - Inner	1	139968	139968	
22	Pinion Bearing Cup - Inner	1	139969	139969	
23	Pinion Bearing Cone - Outer	1	134609	134609	
24	Pinion Bearing Cup - Outer	1	139974	139974	
KIT - OIL SEAL & PINION NUT			504320	504320	Includes items 25-26
25	Oil Seal	1	134583	134583	
26	Pinion Nut	1	131095	131095	
27	RTV - Sealant 3oz	1	107276S	107276S	Not Illustrated

NSS - Not Sold Separately

N/A - Part or Kit not available at this time

Output Shaft and Axle Housing Parts



Output Shaft and Axle Housing Parts

Output Shaft and Axle Housing Parts

Item	Description	Qty	D155	D156	R155/156	Notes
1	Axle Shaft	2	see listing	see listing	see listing	See Axle Shafts page 16
	KIT - SPINDLE NUT	1	504158	504158	504158	Kit does one side. Includes 1 each of Items 2-5
2	Outer Bearing Adjuster Nut	2	119881	119881	119881	
3	Lockwasher - w/Tab	2	129132	129132	129132	
4	Dowel-Type Lockwasher	2	119883	119883	119883	
5	Inner Bearing Adjuster Nut	2	119882	119882	119882	
6	Axle Housing Assy	1	see listing	see listing	see listing	See Axle Housings page 15
7	KIT - U-TUBE BREATHER	1	507162	507162	507162	Includes Items 7a-7b
7a	Breather Assy-NSS	1	302706	302706	302706	Must buy kit
7b	Hose & Clamp Assy-NSS	1	129340	129340	129340	Must buy kit
	KIT - AXLE HSG FASTENER	1	504301	504301	-----	Includes Items 8-12a
	KIT - AXLE HSG FASTENER	1	-----	-----	504302	Includes Items 8-12c
8	Drain Plug - 3/4"	1	054254	054254	054254	
9	Stud	2	127641	127641	127641	
10	Washer	14	130877	130877	130877	
11	Nut	2	127567	127567	127567	
12a	Capscrew 55mm	12	135017	135017	-----	
12b	Capscrew 55mm	8	-----	-----	135017	
12c	Capscrew 75mm	4	-----	-----	135016	
13	Sensor Plug - 1/2"	1	tbd	tbd	tbd	Only used in select models
14	Magnetic Filler Plug - 3/4"	1	129491	129491	129491	
	KIT - OUTPUT SHAFT	1	504303	504304	-----	Includes Items 16-17
16	Output Shaft-NSS		134680-nss	134688-nss	-----	Must buy kit
17	Locknut - Hex	1	128049	127588	-----	M39 x 1.5
	KIT - OP SEAL & NUT	1	504322	504323	-----	Includes Items 17-18
18	Oil Seal-Output	1	2023063	2022740	-----	
	KIT - O/P BEARINGS	1	504060	504306	-----	Includes Items 19-21
19	Snap Ring	1	134322	129594	-----	
20	Bearing Cup	2	139978	134992	-----	
21	Bearing Cone	2	139977	134991	-----	
22	Loctite Adhesive .5ml	1	129293	129293	129293	Not Illustrated
23	RTV Sealant 3oz	1	107276S	107276S	107276S	Not Illustrated

NSS - Not Sold Separately

Axle Housing

Axle Housing

Shown below is the Dana axle housing part number cross reference listing. This is for reference only as various OEM's use multiple part numbers. If the part number on your housing tag is not listed below, consult your OEM or local OEM dealer.

Axle Series	Production Part Number	Service Part Number	OEM	Notes
D155	10000887	10000887	Pete/Kenwth	
D155	10000903	10000903	Pete/Kenwth	
D155H	10000891	10000891	Pete/Kenwth	
R155	10000927	10000927	Pete/Kenwth	

Axle Shafts

Axle Shafts

Various Dana model axle shafts are used in “sets”, have unequal shaft lengths and may be “location specific” or “Wheel Equipment specific”. When replacing the axle shafts, locate the axle shaft part number (see model Identification section) or select the correct axle shaft from the chart below, before placing your order.

DO NOT MISPLACE AXLE SHAFTS FROM THEIR INTENDED LOCATION.

NOTE STR - Straight, TPR - Tapered

Axle Shafts - Single Reduction Models

Model	Part No.	Qty	Body Spline	Shaft O.D.	Spline Length	Flange Length	Flange O.D.	Holes	OEM
	132510	1	41	1.87	36.274	4"	8.500	8(.773) STR	Nav
	132511	1	41	1.87	43.683	4"	8.500	8(.773) STR	Nav
D155, D156	134595	1	41	1.87	38.976	4"	8.500	8(.635) STR	KW/Pete
R155, R156	134596	1	41	1.87	43.307	4"	8.500	8(.635) STR	KW/Pete
	134693	1	41	1.87	38.130	4"	8.500	8(.773) STR	KW/Pete
	134694	1	41	1.87	42.460	4"	8.500	8(.773) STR	KW/Pete
	134696	1	41	1.87	38.976	4"	8.500	8(.948) TPR	Volvo/Pete
	134697	1	41	1.87	42.460	4"	8.500	8(.948) TPR	Volvo/Pete

Axle Shaft Hardware

Part Number	Description	Dim. A	Dim. B	Dim. C	Notes
132993	Tapered Dowel	1.00"	.630"	.469"	For 5/8" studs
013886	Gasket				8 hole
029804	Washer				
060600	Axle Shaft Nut				5/8", 18 thread
127794	Stud - Wheel				5/8", 18 thread

Tandem Drive Axle Single Reduction Carriers

D155 - Standard Models

41 Involute Spline Side Gear # 127368 15.5" Hypoid Gearing

These new carrier units will directly replace models D40-155, D40-155P with no modifications.

Ratio	Non-Pump Carrier	Pump Carrier
2.26	D155226EX	D155P226EX
2.39	D155239EX	D155P239EX
2.53	D155253EX	D155P253EX
2.64	D155264EX	D155P264EX
2.79	D155279EX	D155P279EX

D156 - Standard models

41 Involute Spline Side Gear # 127368 15.5" Hypoid Gearing

These new carrier units will directly replace models D40-156, D40-156P with no modifications.

Ratio	Non-Pump Carrier	Pump Carrier
2.93	D156293EX	D156P293EX
3.08	D156308EX	D156P308EX
3.23	D156323EX	D156P323EX
3.36	D156336EX	D156P336EX
3.42	D156342EX	D156P342EX
3.55	D156355EX	D156P355EX
3.70	D156370EX	D156P370EX
3.91	D156391EX	D156P391EX

R155/156 - Standard Models

41 Involute Spline Side Gear # 127368 15.5" Hypoid Gearing

These new carrier units will directly replace models R40-155, R40-156 with no modifications.

Ratio	New Carrier
2.26	R155226EX
2.39	R155239EX
2.53	R155253EX
2.64	R155264EX
2.79	R155279EX
2.93	R155293EX
3.08	R155308EX
3.23	R155323EX
3.36	R155336EX
3.42	R155342EX
3.55	R155355EX
3.70	R155370EX
3.91	R155391EX

D155D - Diff Lock Models

41 Involute Spline Side Gear # 127368 15.5" Hypoid Gearing

These new carrier units will directly replace models D40-155D, D40-155DP with no modifications.

Ratio	Non-Pump Carrier	Pump Carrier
2.26	D155D226EX	D155DP226EX
2.39	D155D239EX	D155DP239EX
2.53	D155D253EX	D155DP253EX
2.64	D155D264EX	D155DP264EX
2.79	D155D279EX	D155DP279EX

D156D - Diff Lock Models

41 Involute Spline Side Gear # 127368 15.5" Hypoid Gearing

These new carrier units will directly replace models D40-156D, D40-156DP with no modifications.

Ratio	Non-Pump Carrier	Pump Carrier
2.93	D156D293EX	D156DP293EX
3.08	D156D308EX	D156DP308EX
3.23	D156D323EX	D156DP323EX
3.36	D156D336EX	D156DP336EX
3.42	D156D342EX	D156DP342EX
3.55	D156D355EX	D156DP355EX
3.70	D156D370EX	D156DP370EX
3.91	D156D391EX	D156DP391EX

R155/156D - Diff Lock Models

41 Involute Spline Side Gear # 127368 15.5" Hypoid Gearing

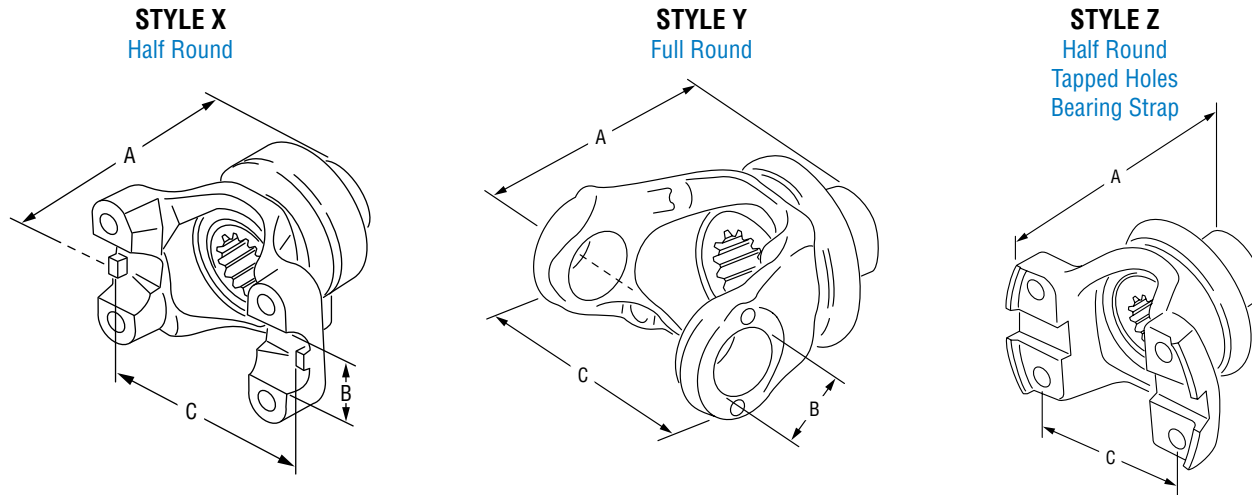
These new carrier units will directly replace models R40-155D, R40-156D with no modifications.

Ratio	New Carrier
2.26	R155D226EX
2.39	R155D239EX
2.53	R155D253EX
2.64	R155D264EX
2.79	R155D279EX
2.93	R155D293EX
3.08	R155D308EX
3.23	R155D323EX
3.36	R155D336EX
3.42	R155D342EX
3.55	R155D355EX
3.70	R155D370EX
3.91	R155D391EX

Yokes and Flanges

Yokes and Flanges

The following yoke reference information can be used for ordering replacement yoke assemblies for new service carriers. Shown below are original production part numbers and shown next to them are how those Yoke & Slinger Assy's are serviced thru the Dana's aftermarket. Always double check part supersession and options before ordering product.



Dana Models: D40-155, D40-156, R40-155, R40-156

Forward Axle - Input / 49 - 2.544 Involute Spline

Service Part Number	Series	Joint Angle	Style	Dimensions (in inches):Yoke & Yoke			Reference Production
				A	B	C	Assy Part-no's
350-4-201-1X	SPL350	15	X	6.620	2.560	6.763	350-4-201-1X
350-4-201-1X	SPL350	15	X	6.620	2.560	6.763	350-4-21-1
250-4-134705-1X	SPL250	25	X	6.200	2.362	6.412	134705
250-4-134705-1X	SPL250	25	X	6.200	2.362	6.412	250-4-1031-1

Forward Axle - Output / 41 - 2.143 Involute Spline

Service Part Number	Series	Joint Angle	Style	Dimensions (in inches):Yoke & Yoke			Reference Production
				A	B	C	Assy Part-no's
250-4-10002596-1X	SPL250	25.5	X	6.252	2.362	6.412	10002596
250-4-10002596-1X	SPL250	25.5	X	6.252	2.362	6.412	5009699
170-4-10002595-1X	SPL170	45	X	7.190	2.166	6.456	10002595
170-4-10002595-1X	SPL170	45	X	7.190	2.166	6.456	170-4-1901-1

Rear Axle - Input / 49 - 2.544 Involute Spline

Service Part Number	Series	Joint Angle	Style	Dimensions (in inches):Yoke & Yoke			Reference Production
				A	B	C	Assy Part-no's
170-4-2021-1X	SPL170	25	X	5.530	2.166	6.456	134581
170-4-2021-1X	SPL170	25	X	5.530	2.166	6.456	170-4-1891-1
250-4-1301-1X	SPL250	25	X	5.830	2.362	6.412	134579
250-4-1301-1X	SPL250	25	X	5.830	2.362	6.412	250-4-1021-1

Pinion Seal and Nut Reference Chart

Pinion Seal and Nut Reference Chart

Shown below is a quick reference chart showing the pinion seals, pinion nuts and a Seal & Nut kit that contain both items.

Pinion Seal & Nut Chart				
	Location	D40-155	D40-156	R40-155 R40-156
Input Seal	Input	134583	2019185	
Input Nut		131095	128049	
Kit-Seal & Nut		504320	504321	
Output Seal	Output	2023063	2022740	
Output Nut		128049	131095	
Kit-Seal & Nut		504322	504323	
R-Pinion Seal	R-Pinion			134583
R-Pinion Nut				131095
Kit-Seal & Nut				504320

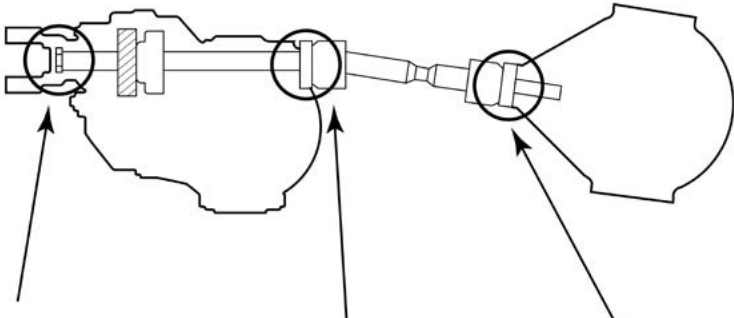
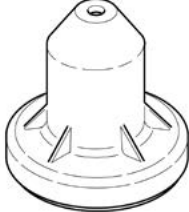
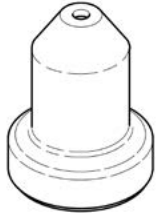
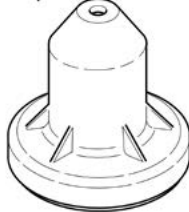
Oil Seal Installation Tools

Oil Seal Installation Tools

This kit contains installation tools used for installing driveline oil seals. Using these tools ensures proper installation of the seal. Failure to use these tools may result in an improperly installed or damaged seal.

Oil Seal Driver Installation Kit: 504300 (note 1)

Note 1 - Not available as of this publication date

	D-Input	D-Output	R-Pinion
Location			
Tool	 D155 - 10021492 D156 - 10021493	 D155 - 10021494 D156 - 10021495	 10021492

Service Kits - Quick Reference List

Service Kits - Quick Reference List

Air Lockout Kit with Shift Fork-Complete	504311
Air Lockout Repair Kit	512892
Air Lockout Shift Fork & Spring Kit (fork#134668)	504314
Axle Housing Hardware Kit - D155, D156	504301
Axle Housing Hardware Kit - R155, R156	504302
Bearing Kit - D155	Note 1
Bearing Kit - D156	Note 1
Bearing Kit - R155/156	Note 1
Diff lock Parts Kit (all diff lock mdl's)	504313
Diff lock Shift Fork & Pin Kit (all diff lock mdl's) (fork# 134585)	504316
Helical Pinion Gear (all D155/156)	134758
Helical Gear & Bushing Assy (all D155)	134684
Helical Gear & Bushing Assy (all D156)	134692
Input Cover Kit - D155 (cover# 134686)	504317
Input Cover Kit - D156 (cover# 134672)	504318
Input Cover Shim Kit - D155/D156	504319
Input Shaft Kit - D155 no pump (shaft#134666)	504307
Input Shaft Kit - D155 pump models (shaft#134678)	504308
Input Shaft Kit - D156 no pump (shaft#134682)	504309
Input Shaft Kit - D156 pump models (shaft#134690)	504310
Inter-Axle Diff Assy - D155	134192
Inter-Axle Diff Assy - D156	139965

Lube Pump w/ Output Side Gear Parts Kit - D155P, D156P	504028
Lube Manifold Parts Kit - All Pump Mdl's	504315
Oil Seal Driver Tool Kit - All Mdl's (note 1)	504300
Output Shaft Kit D155 (shaft#134688)	504303
Output Shaft Kit D156 (shaft#134680)	504304
Output Shaft Bearing Kit - D155	504060
Output Shaft Bearing Kit - D156	504306
Output Shaft Nut - D155	128049
Output Shaft Nut - D156	131095
Output Shaft Seal - D155	2023063
Output Shaft Seal - D156	2022740
Pinion Brg Spacer Kit - D155/156	note 1
Pinion Brg Spacer Kit - R155/156	note 1
Ring Gear Bolt Kit (12 of bolt# 10000182)	504305
Seal & Nut Kit - Input Shaft - D155	504320
Seal & Nut Kit - Input Shaft - D156	504321
Seal & Nut Kit - Output Shaft - D155 mdl's	504322
Seal & Nut Kit - Output Shaft - D156 mdl's	504323
Seal & Nut Kit - R-Pinion - R155/R155D/155/156D	504320
Spindle Nut Kit (does one side of vehicle)	504158
Wheel Diff Side Gear Kit - 41Inv (note 1)	504312

Note 1 - Not available as of this publication date

Spicer Service Kit Bill of Materials

Service Kits

504028

Kit-Lube Pump w/Output Side Gear

Dana P/N	Description	Qty
131368	LUBE PUMP	1
131541	PIN	1
132060	BEARING CONE	1
132061	SIDE GEAR - OP SHAFT	1

504060

Kit-Output Shaft Brgs D155

Dana P/N	Description	Qty
134322	SNAP RING	1
139977	BEARING CONE	2
139978	BEARING CUP	2

504158

Kit-Spindle Nut (4 piece design)

Dana P/N	Description	Qty
119881	SPINDLE NUT	1
119882	SPINDLE NUT	1
119883	LOCK NUT WASHER-DOWEL TYPE 1	
129132	LOCK NUT WASHER w/TAB	1

504301

Kit-Axle Housing Hardware D155/156

Dana P/N	Description	Qty
127567	NUT	2
127641	STUD	2
129491	PLUG-MAGNETIC	1
130877	WASHER-PLAIN	14
135017	CAPSCREW-HEX 55mm	12

504302

Kit-Axle Housing Hardware R155/156

Dana P/N	Description	Qty
127567	NUT	2
127641	STUD	2
129491	PLUG-MAGNETIC	1
130877	WASHER-PLAIN	14
135016	CAPSCREW-HEX 75mm	4
135017	CAPSCREW-HEX 55mm	8

504303

Kit-Output Shaft D155

Dana P/N	Description	Qty
128049	NUT-OUTPUT SHAFT	1
134680	OUTPUT SHAFT-D155	1

504304

Kit-Output Shaft D156

Dana P/N	Description	Qty
127588	NUT-OUTPUT SHAFT	1
134688	OUTPUT SHAFT-D156	1

504305

Kit-Ring Gear Bolts

Dana P/N	Description	Qty
10000182	RING GEAR BOLT	12

504306

Kit-Output Shaft Brgs D156

Dana P/N	Description	Qty
129594	SNAP RING	1
134991	BEARING CONE	2
134992	BEARING CUP	2

504307

Kit-Input Shaft D155

Dana P/N	Description	Qty
131095	NUT-INPUT SHAFT	1
134666	INPUT SHAFT D155	1

504308

Kit-Input Shaft D155P - Pump Model

Dana P/N	Description	Qty
131095	NUT-INPUT SHAFT	1
134678	INPUT SHAFT D155P-PUMP	1

504309

Kit-Input Shaft D156

Dana P/N	Description	Qty
128049	NUT-INPUT SHAFT	1
134682	INPUT SHAFT D156	1

504310

Kit-Input Shaft D156P - Pump Model

Dana P/N	Description	Qty
128049	NUT-INPUT SHAFT	1
134690	INPUT SHAFT D156P-PUMP	1

Spicer Service Kit Bill of Materials

504311

Kit-Air L/O-Complete w/Fork

Dana P/N	Description	Qty
129859	COMPRESSION SPRING	1
131096	CAP-PISTON COVER	1
131232	PISTON	1
131665	O-RING - COVER	1
134668	SHIFT FORK ASSY	1
210280	O-RING - PISTON	1

504312

Kit-Wheel Diff Side Gear 41 Inv

Dana P/N	Description	Qty
127368	SIDE GEAR - 41 INV	2
133784	SIDE PINION	4
127386	THRUST WASHER-SIDE PINION	4
129305	THRUST WASHER-SIDE GEAR	2
134151	SHAFT-DIFFERENTIAL	1
134152	SHAFT-DIFFERENTIAL	2

504313

Kit-Diff Lock Shift Parts

Dana P/N	Description	Qty
131096	CAP-PISTON COVER	1
131102	COMPRESSION SPRING	1
131665	O-RING - COVER	1
134587	PUSH ROD	1
210180	O-RING - PISTON	1

504314

Kit-Shift Fork & Spring

Dana P/N	Description	Qty
129859	COMPRESSION SPRING	1
134668	SHIFT FORK ASSY	1

504315

Kit-Manifold Parts - Pump Models

Dana P/N	Description	Qty
129338	CLAMP	2
133964	FILTER SCREEN ASSY	1
134675	SEAL MANIFOLD ASSY-NSS	1
134677	LUBE HOSE	1

504316

Kit-Shift Fork & Pin

Dana P/N	Description	Qty
134585	SHIFT FORK	1
210020	PIN	1

504317

Kit-Input Cover D155

Dana P/N	Description	Qty
134686	INPUT COVER-D155	1
134709	SHIM .020" INPUT CVR	2
134710	SHIM .010" INPUT CVR	2
134711	SHIM .005" INPUT CVR	2
210115	CAPSCREW	9

504318

Kit-Input Cover D156

Dana P/N	Description	Qty
130877	WASHER	9
134672	INPUT COVER-D156	1
134709	SHIM .020" INPUT CVR	2
134710	SHIM .010" INPUT CVR	2
134711	SHIM .005" INPUT CVR	2
10000875	CAPSCREW	9

504319

Kit-Input Cover Shims

Dana P/N	Description	Qty
134708	SHIM .030" INPUT CVR	2
134709	SHIM .020" INPUT CVR	2
134710	SHIM .010" INPUT CVR	2
134711	SHIM .005" INPUT CVR	2
134712	SHIM .003" INPUT CVR	2

504320

Kit-Seal & Nut (D155 & R155, R156)

Dana P/N	Description	Qty
131095	SEAL-PINION	1
134583	NUT-PINION	1

504321

Kit-Input Seal & Nut D156

Dana P/N	Description	Qty
128049	NUT-INPUT	1
2019185	SEAL-INPUT	1

504322

Kit-Output Seal & Nut D155

Dana P/N	Description	Qty
128049	NUT-OUTPUT	1
2023063	SEAL-OUTPUT D155	1

Service Kits Continued

504323

Kit-Output Seal & Nut D156

Dana P/N	Description	Qty
127588	NUT-OUTPUT	1
2022740	SEAL-OUTPUT D156	1

507162

Kit-U-Tube Breather

Dana P/N	Description	Qty
129340	HOSE & CLAMP ASSY	1
302706	BREATHER ASSY	1

512892

Kit-Air Lockout Repair

Dana P/N	Description	Qty
129859	COMPRESSION SPRING	1
131096	CAP-PISTON COVER	1
131232	PISTON	1
131665	O-RING - COVER	1
210180	O-RING - PISTON	1



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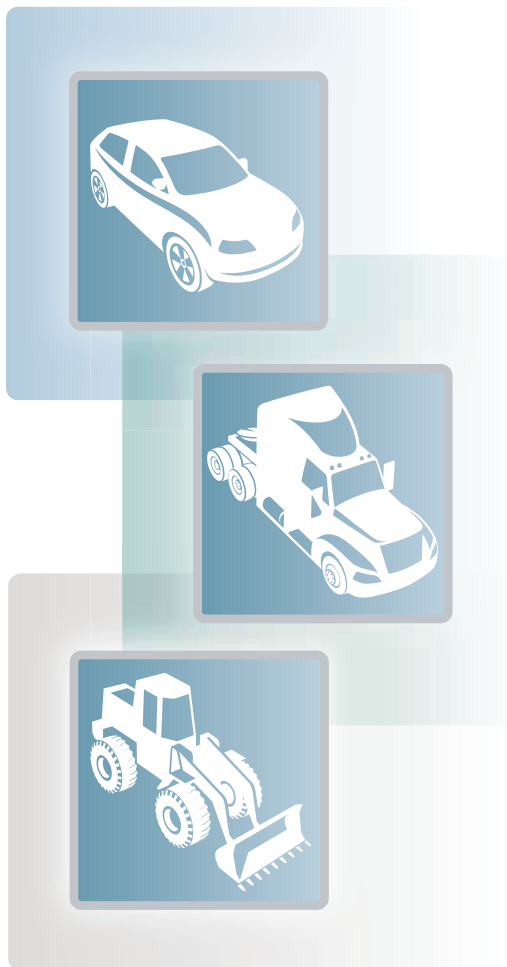
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