



CENTRIFUGAL COMPRESSORS

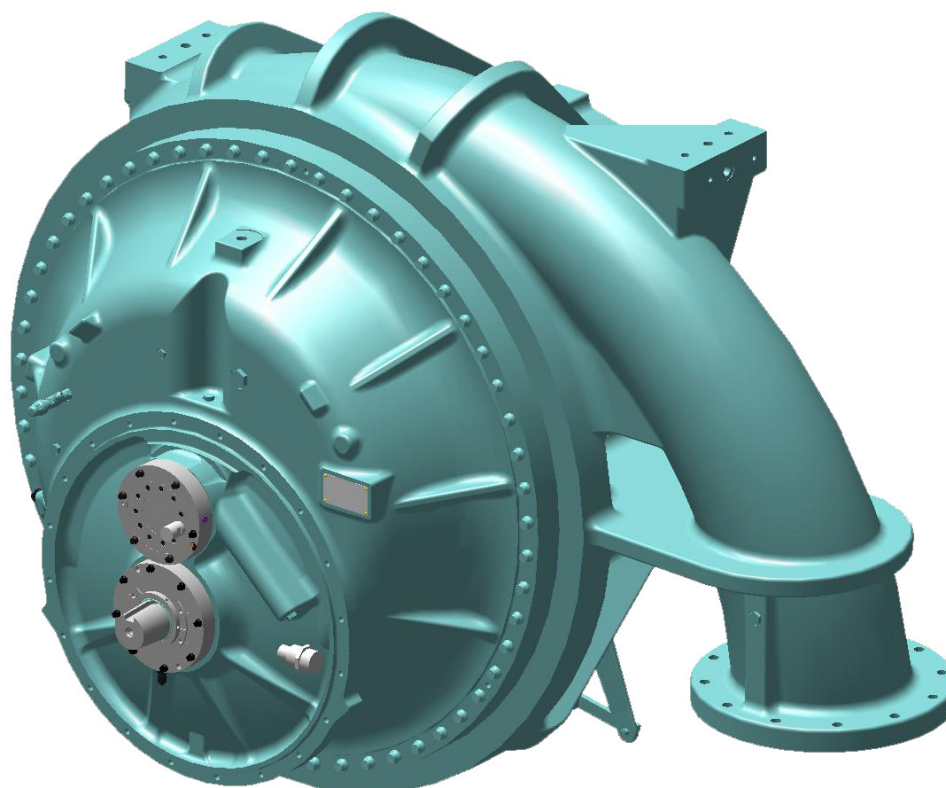
RENEWAL PARTS

Supersedes: 160.75-RP2 (418)

Form 160.75-RP2 (522)

MODEL YK STYLE "G" COMPRESSOR MODELS

COMPRESSOR MODEL	COMPRESSOR CODE
YDHK 76	K1
YDHK 84	K2
YDHL 95	K3
YDHL 106	K4
YDHA 119	K7



Issue Date:
May 31, 2022



IMPORTANT!

READ BEFORE PROCEEDING!

GENERAL SAFETY GUIDELINES

This equipment is a relatively complicated apparatus. During rigging, installation, operation, maintenance, or service, individuals may be exposed to certain components or conditions including, but not limited to: heavy objects, refrigerants, materials under pressure, rotating components, and both high and low voltage. Each of these items has the potential, if misused or handled improperly, to cause bodily injury or death. It is the obligation and responsibility of rigging, installation, and operating/service personnel to identify and recognize these inherent hazards, protect themselves, and proceed safely in completing their tasks. Failure to comply with any of these requirements could result in serious damage to the equipment and the property in

which it is situated, as well as severe personal injury or death to themselves and people at the site.

This document is intended for use by owner-authorized rigging, installation, and operating/service personnel. It is expected that these individuals possess independent training that will enable them to perform their assigned tasks properly and safely. It is essential that, prior to performing any task on this equipment, this individual shall have read and understood the on-product labels, this document and any referenced materials. This individual shall also be familiar with and comply with all applicable industry and governmental standards and regulations pertaining to the task in question.

SAFETY SYMBOLS

The following symbols are used in this document to alert the reader to specific situations:



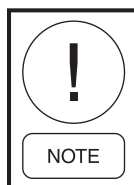
Indicates a possible hazardous situation which will result in death or serious injury if proper care is not taken.



Identifies a hazard which could lead to damage to the machine, damage to other equipment and/or environmental pollution if proper care is not taken or instructions are not followed.



Indicates a potentially hazardous situation which will result in possible injuries or damage to equipment if proper care is not taken.



Highlights additional information useful to the technician in completing the work being performed properly.



External wiring, unless specified as an optional connection in the manufacturer's product line, is not to be connected inside the control cabinet. Devices such as relays, switches, transducers and controls and any external wiring must not be installed inside the micro panel. All wiring must be in accordance with Johnson Controls' published specifications and must be performed only by a qualified electrician. Johnson Controls will NOT be responsible for damage/problems resulting from improper connections to the controls or application of improper control signals. Failure to follow this warning will void the manufacturer's warranty and cause serious damage to property or personal injury.

CHANGEABILITY OF THIS DOCUMENT

In complying with Johnson Controls' policy for continuous product improvement, the information contained in this document is subject to change without notice. Johnson Controls makes no commitment to update or provide current information automatically to the manual or product owner. Updated manuals, if applicable, can be obtained by contacting the nearest Johnson Controls Service office or accessing the Johnson Controls Knowledge Exchange website at <https://docs.johnsoncontrols.com/chillers/>.

It is the responsibility of rigging, lifting, and operating/service personnel to verify the applicability of these documents to the equipment. If there is any question regarding the applicability of these documents, rigging, lifting, and operating/service personnel should verify whether the equipment has been modified and if current literature is available from the owner of the equipment prior to performing any work on the chiller.

REVISION NOTES

Revisions made to this document are indicated in the following table. These revisions are to technical information, and any other changes in spelling, grammar, or formatting are not included.

AFFECTED PAGES	DESCRIPTION
4	Removed reference to part number 011 00253 000

ASSOCIATED LITERATURE

MANUAL DESCRIPTION	FORM NUMBER
Unit Installation	160.75-N1
Unit Re-assembly	160.75-N3
Centrifugal Chiller Long Term Storage	50.20-NM1
Unit Replacement Parts	160.75-RP1
OptiView™ Replacement Parts	160.54-RP1
Unit Operations and Maintenance	160.75-O1
OptiView™ Operation	160.54-O2
All Products - Replacement Parts Electrical Connectors	50.20-RP1
All Products - Replacement Parts Fittings	50.20-RP2

MISCELLANEOUS & ACCESSORIES

COMPOUNDS AND ABRASIVES	
Crocus Cloth	041 02729 000
Garnet Paper 180 grit	041 10057 000
Molykote (2 Oz. Can)	364 21508 000
Removable Thread Sealer	013 01678 000
Permanent Thread Locker	013 01671 000
Refrigerant Pipe Sealer	013 02894 000
Primer for Thread Sealers	013 01753 000
Magic Bond Epoxy Stick	044 03420 000
P.O.E. Grease	044 03199 000
Caribbean Blue Enamel	013 01835 000
Gasket Eliminator Sealer	013 02827 000
Valve Stem Lub (2 Oz. Can)	360 00125 000

COMPRESSOR TOOL KITS		
MODEL	COMPRESSOR NUMBER	KIT NUMBER
K1	364-53357-201	364 51844 000
K2	364-53362-201	364 51728 000
K3	364-53348-201	364 51835 000
K4	364-53349-201	364 51835 000
K7	364-53350-201	364 51665 000

YORK "K" OIL			
COMPRESSOR CODE	5 GAL CAN 011-00533-000	1 GAL CAN 011-01202-000	TOTAL OIL REQUIRED
K1-K4	4	-	20 Gallons
K7	4	4	24 Gallons

COMPRESSOR DATA PLATE

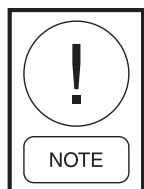
		
COMPRESSOR MODEL	COMPRESSOR PART NUMBER	REV
SERIAL NO.	SPEED CODE	
YORK INTERNATIONAL CORPORATION York, PA 17405 029-21398B REV. A		

NEW DATA PLATE

LD12384

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Oil pump housing parts are located in the unit parts manual.



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K1 COMPRESSOR

TABLE 1 - K1 COMPRESSOR

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
1	Arm, PRV Motor	064 50614 000	1	4
2	Arm, Motor (prior 4/2012)	064 50856 000	1	4
	Arm, Motor (after 4/2012)	064 53360 000		
3	Bearing, Thrust H.S.	029 25618 000	1	2
*4	Bearing, H.S. Front	064 50618 000	1	3
*5	Bearing, H.S. Rear	064 52415 000	1	2
*6	Bearing, H.S. Reverse Thrust K1	029 25042 000	1	1
*7	Bearing, L.S. Front	064 50620 000	1	3
*8	Bearing, L.S. Rear	064 50621 000	1	2
9	Bearing, L.S. Thrust	029 23760 001	1	3
10	Bracket, Support Lower PRV	064 48851 000	1	4
11	Bushing, Garlock 16du12	029 24100 000	1	5
12	Clamp, Tube 1/8 Od	023 06163 000	1	1
*13	Collar, H.S. Thrust	064 47904 000	1	2
14	Collar, Impeller Clamping	064 48123 000	1	6
15	Collar, L.S. Thrust	064 47770 000	1	3
16	Connr, Cinch 3/8 Tube	023 06801 000	3	2
17	Connr, Fla M X M 1/4 Od Fla	023 23367 000	1	1
18	Cover, Shaft Control (prior 6/13)	064 51671 000	2	4
	Cover, Shaft Control (after 6/13)	064 52347 000		
19	Dowel, Pin Str	029 24130 000	2	4
20	Elbow, Cinch 3/8 Tube	023 22141 000	2	2
22	Fillpiece, Prerot Device	064 10821 000	1	5
23	Fillpiece, Pre-Rotation Device	064 50765 000	1	5
24	Fillpiece, PRV Linkage	064 47727 000	2	5
26	Header, Spray	064 48003 000	1	2
27	Impeller, 7.624 Eye Hard Coat K1	064 51758 001	1	6
28	Lever, Internal	064 50498 000	1	5
29	Lever, Internal VGD	064 51215 000	1	5
30	Lever, External	064 51703 000	2	4, 5
31	Link, External VGD	064 50723 000	1	4
32	Link, Ext Prv & Mot Tk131	064 46880 000	2	4
36	Nut, Hex Mach Scr #10 - 32	021 08670 000	2	4
37	Nut, Hex 5/16 - 18unc-2b	021 02523 000	4	4
38	Nut, Flare Hydraulic 1/4 Od	023 09670 000	1	1
39	Nut, Hex 1/4 - 20 Unc-2b	021 00450 000	4	4, 5
40	Orifice, Hs Oil Feed Ha 50-57	064 48034 000	1	1
42	Pin, Dowel Tapped 3/8 Dia	029 18459 000	3	2
43	Plate, Cover Handhole	064 50139 000	1	4
44	Plate, Mtg	064 47998 000	1	2
45	Plug, Hex Hd 1-1/16	023 18295 000	1	1
46	Plug, Hex Hd 1-5/16	023 18282 000	2	1
51	Plug, Pipe 1/4 Hex Socket	023 01973 000	3	2
52	Plug, PRV Assembly	064 50632 000	2	4
53	Plug, Hex Hd 9/16	023 18962 000	8	1

* Included in Bearing Kit

† Included in O-Ring Kit

K1 COMPRESSOR

TABLE 1 - K1 COMPRESSOR (CONT'D)

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
55	Probe, Proximity	025 40496 000	1	1
56	Retainer, Balance Piston Seal K1-2	064 51719 000	1	6
57	Retainer, Bearing S Stage Turbo	064 46886 000	3	2
58	Retainer, Eye Seal Washer	064 50322 000	1	6
59	Ring, Balance Piston Seal K1-2	064 51718 000	1	6
60	Ring, Eye Seal	064 50320 000	1	6
61	Rod, Adjustable PRV & VGD	364 51754 694	1	5
62	Rod, Adjustable PRV & VGD	364 51753 675	1	5
63	Screw, Cap Hex Soc Hd #10	021 31829 000	2	4
64	Screw, Cap Hex Soc Hd #8	021 19153 000	1	1
65	Screw, Cap Hex Soc Hd 1/4	021 29576 000	2	4
66	Screw, Cap Hex Soc Hd 1/4	021 02578 000	10	2
67	Screw, Cap Hex Soc Hd 1/4	021 18591 000	6	2
68	Screw, Cap Hex Soc Hd 1/4	021 30625 000	3	2
69	Screw, Cap Hex Soc Hd 5/16	021 02581 000	2	4
70	Screw, Cap Hex Soc Hd 5/16	021 16173 000	2	4
71	Screw, Shoulder Soc Hd	021 17557 000	6	6
72	Screw, Cap 12 Pt Hd 3/8	021 11139 000	6	4
73	Screw, Cap 12 Pt Hd 3/8	021 11141 000	16	4
74	Screw, Cap 12 Pt Hd 3/8	021 11148 000	6	3
75	Screw, Cap 12 Pt Hd 3/8	021 11149 000	2	2
76	Screw, Cap 12 Pt Hd 3/8-16	021 11175 000	4	4
77	Screw, Cap 12 Pt Hd 5/8	021 11673 000	40	1
78	Screw, Cap 12 Pt Hd 3/8	021 11595 000	16	2
79	Screw, Cap 12 Pt Hd 3/8	021 11920 000	13	1
80	Screw, Cap 12 Pt 3/8 -16x4	021 15758 000	7	2
82	Screw, Cap 12 Pt Head 3/8	021 17553 000	1	5
83	Screw, Cap 12 Pt Hd 3/8	021 17618 000	1	5
84	Screw, Cap 12 Pt Hd 1/2	021 11926 000	4	4
85	Screw, Cap 12 Pt Hd 1/2	021 11525 000	2	5
86	Screw, Cap 12 Pt Hd 1/2	021 11515 000	3	6
87	Screw, Cap 12 Pt Hd 1/2	021 31125 000	1	4
88	Screw, Cap 12 Pt Hd 1/2	021 31600 000	1	4
89	Hhcs, 0.250-20 X 1.500 Gr 5 Bl	021 13223 000	1	5
90	Screw, Cap Hex 1/4 -20unc	021 16826 000	1	5
92	Screw, Cap Flat Soc Hd 3/8	021 13856 000	2	2
93	Screw, Set Hex Soc Cup Pt	021 00774 000	1	2
†94	O-Ring, Neop 00.468id .078thk M	028 12961 003	10	1
†95	O-Ring, Neop 00.924id .116thk M	028 12961 006	1	1
†96	O-Ring, Neo1 00.301id .070thk M	028 12513 000	3	1
†97	O-Ring, Neop 00.755id .097thk M	028 12961 005	2	4
†98	O-Ring, Neo1 21.750id .139thk S	028 15588 000	1	5
†99	O-Ring, Neo1 31.174id .139thk S	028 15072 000	1	2
†100	O-Ring, Neo1 37.050id .275thk M	028 15083 000	1	6

* Included in Bearing Kit

† Included in O-Ring Kit

K1 COMPRESSOR

TABLE 1 - K1 COMPRESSOR (CONT'D)

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
†101	O-Ring, Neo1 02.112id .103thk M	028 15432 000	2	4
†102	O-Ring, Neop 02.550id .103thk M	028 11976 000	3	2
†103	O-Ring, Neop 03.737id .103thk M	028 15074 000	2	2
†104	O-Ring, Neo1 01.109id .139thk M	028 12200 000	4	4
†105	O-Ring, Neop 02.234id .139thk M	028 03803 000	2	4
†106	O-Ring, Neo1 04.484id .139thk M	028 15576 000	1	1, 2
†107	O-Ring, Neo1 05.234id .139thk M	028 15577 000	1	1
†108	O-Ring, Neop 07.984id .139thk M	028 12255 000	1	2
†109	O-Ring, Neo1 08.234id .139thk M	028 15078 000	1	4
†110	O-Ring, Neop 00.351id .072thk M	028 12961 001	3	1
†111	O-Ring, Neop 00.644id .087thk M	028 12961 004	2	1
†112	O-Ring, Neop 01.171id .116thk M	028 12961 008	2	1
†113	O-Ring, Hnbr 00.424id .103thk M	028 15428 000	1	1
†114	O-Ring, Neop 00.301id .064thk M	028 12961 021	1	1
115	Seal, Double Shaft K1-2	029 25041 000	1	1
119	Shaft, Contl PRV (prior 6/2013)	364 51672 000	1	4
	Shaft, Contl PRV (after 6/2013)	064 52346 000		
120	Shaft, Contl VGD (prior 6/2013)	364 51673 000	1	4, 5
	Shaft, Contl VGD (after 6/2013)	064 53745 000		
121	Sleeve, Flare Hydraulic 1/4 Od	023 10000 000	1	1
122	Spacer, .50 Lg X .33 Id X .63 Od	064 50611 000	2	4
123	Spacer, Flanged, PRV & VGD	064 50612 000	4	4
*124	Pin, Slot Spg 3/16 X 1/2	029 04138 000	1	3
125	Tube, Gear Cooling	064 51249 000	1	2
126	Tube, L.S. Oil Drain	064 51221 000	1	2
127	Tube, Oil Drain Shaft Seal	064 51637 000	1	2
128	Tube, Oil Drain Hs Thrust K 1-2	064 51762 000	1	2
129	Valve, Check Oil 1/8 Npte	022 04444 000	1	2
130	Valve, Stop Ang Vertical	022 09578 000	1	1
131	Washer, Balance Piston Spring K1-2	064 51720 000	1	6
132	Washer, Plain Clipped Hardened	021 17593 000	40	1
133	Washer, Plain Hardened	021 17264 000	4	4
134	Washer, Plain 3/8 Id	021 31323 000	2	2
135	Washer, Spring Eye	064 50324 000	1	6
136	Wiring Kit, w/ PRV Motor Actuator	375 49340 103	2	4
136A	PRV Motor Actuator	025 29657 001	2	4
137	O-ring, HBNR 0.239 Id .064 Thk	028 15846 000	4	1
138	Screw, Cap Hex Soc Hd #10	021 14090 000	3	2
*158	O-Ring .239 ID .064THK	028 15846 000	4	1
300	Compressor Large Parts (prior 4/2012)	164 51757 300	1	-
	Compressor Large Parts (after 4/2012)	164 53357 300	1	-
300A	Support, Rotor W/ Housing Brg K1-2	364 51725 000	1	3
300B	Scroll, Rotor K1	064 51759 000	1	6
300C	Plate, Diffuser K1	064 52062 000	1	3
301	Plate, Nozzle Base	064 51761 000	1	6

* Included in Bearing Kit

† Included in O-Ring Kit

K1 COMPRESSOR

TABLE 2 - K1 COMPRESSOR BEARING KIT

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	Bearing Kit	464 51845 000	1	-
*4	Bearing, H.S. Front	064 50618 000	1	3
*7	Bearing, L.S. Front	064 50620 000	1	3
*8	Bearing, L.S. Rear	064 50621 000	1	2
*13	Collar, H.S. Thrust	064 47904 000	1	2
*124	Pin, Slot Spg 3/16 x 1/2	029 04138 000	1	3
*3,5	Kit, Brg. H.S. Thrust	464 52464 000	1	2
*6,50,158	Kit, Brg. H.S. Reverse Thrust	464 52523 000	1	1

* Included in Bearing Kit

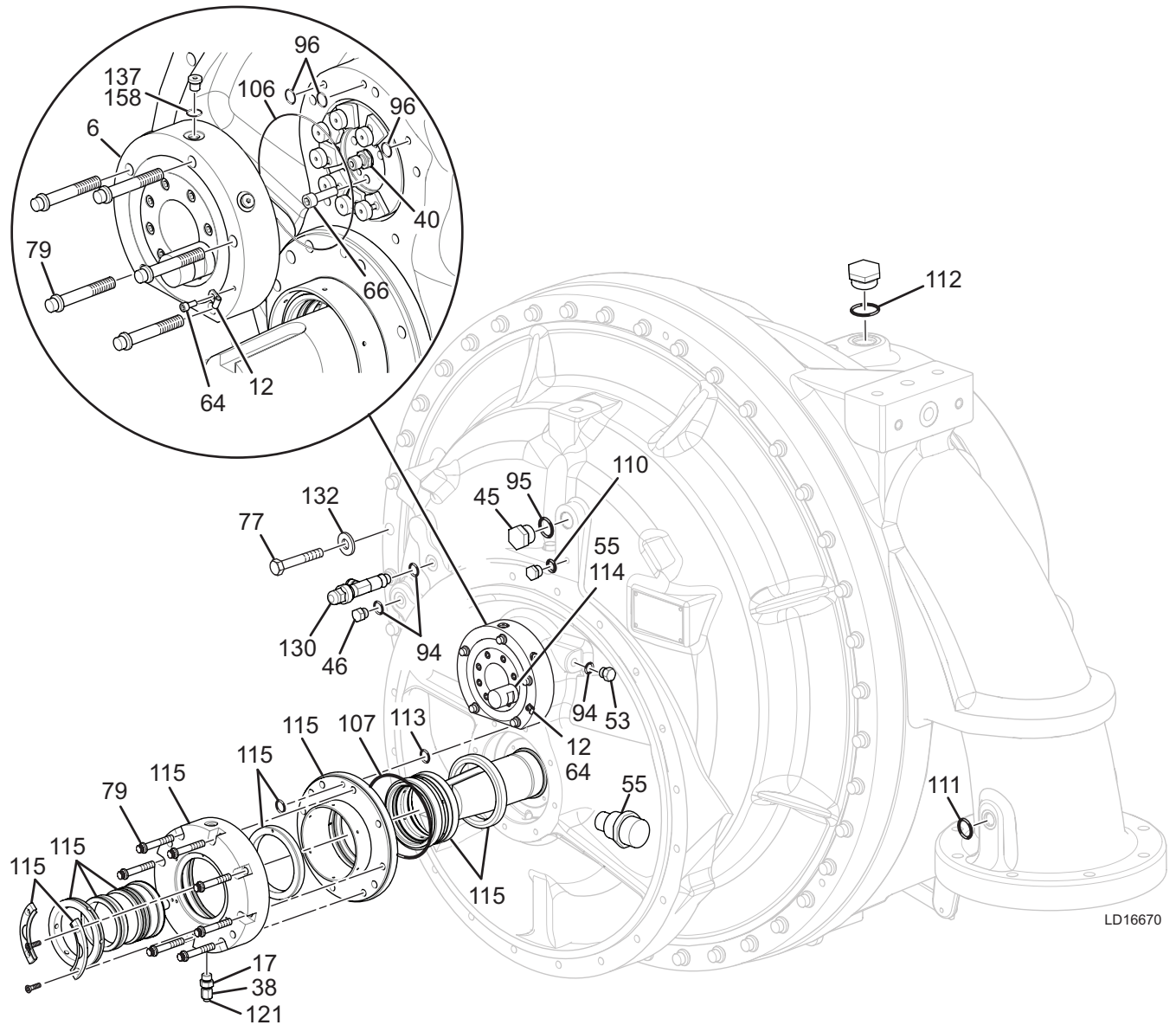
TABLE 3 - K1 COMPRESSOR O-RING KIT

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	O-Ring Kit	464 51846 000	1	-
†94	O-Ring, Neop 00.468id .078thk M	028 12961 003	10	1
†95	O-Ring, Neop 00.924id .116thk M	028 12961 006	1	1
†96	O-Ring, Neo1 00.301id .070thk M	028 12513 000	3	1
†97	O-Ring, Neop 00.755id .097thk M	028 12961 005	2	4
†98	O-Ring, Neo1 21.750id .139thk S	028 15588 000	1	5
†99	O-Ring, Neo1 31.174id .139thk S	028 15072 000	1	2
†100	O-Ring, Neo1 37.050id .275thk M	028 15083 000	1	6
†101	O-Ring, Neo1 02.112id .103thk M	028 15432 000	2	4
†102	O-Ring, Neop 02.550id .103thk M	028 11976 000	3	2
†103	O-Ring, Neop 03.737id .103thk M	028 15074 000	2	2
†104	O-Ring, Neo1 01.109id .139thk M	028 12200 000	4	4
†105	O-Ring, Neop 02.234id .139thk M	028 03803 000	2	4
†106	O-Ring, Neo1 04.484id .139thk M	028 15576 000	1	1, 2
†107	O-Ring, Neo1 05.234id .139thk M	028 15577 000	1	1
†108	O-Ring, Neop 07.984id .139thk M	028 12255 000	1	2
†109	O-Ring, Neo1 08.234id .139thk M	028 15078 000	1	4
†110	O-Ring, Neop 00.351id .072thk M	028 12961 001	3	1
†111	O-Ring, Neop 00.644id .087thk M	028 12961 004	2	1
†112	O-Ring, Neop 01.171id .116thk M	028 12961 008	2	1
†113	O-Ring, Hnbr 00.424id .103thk M	028 15428 000	1	1
†114	O-Ring, Neop 00.301id .064thk M	028 12961 021	1	1

† Included in O-Ring Kit

K1 COMPRESSOR

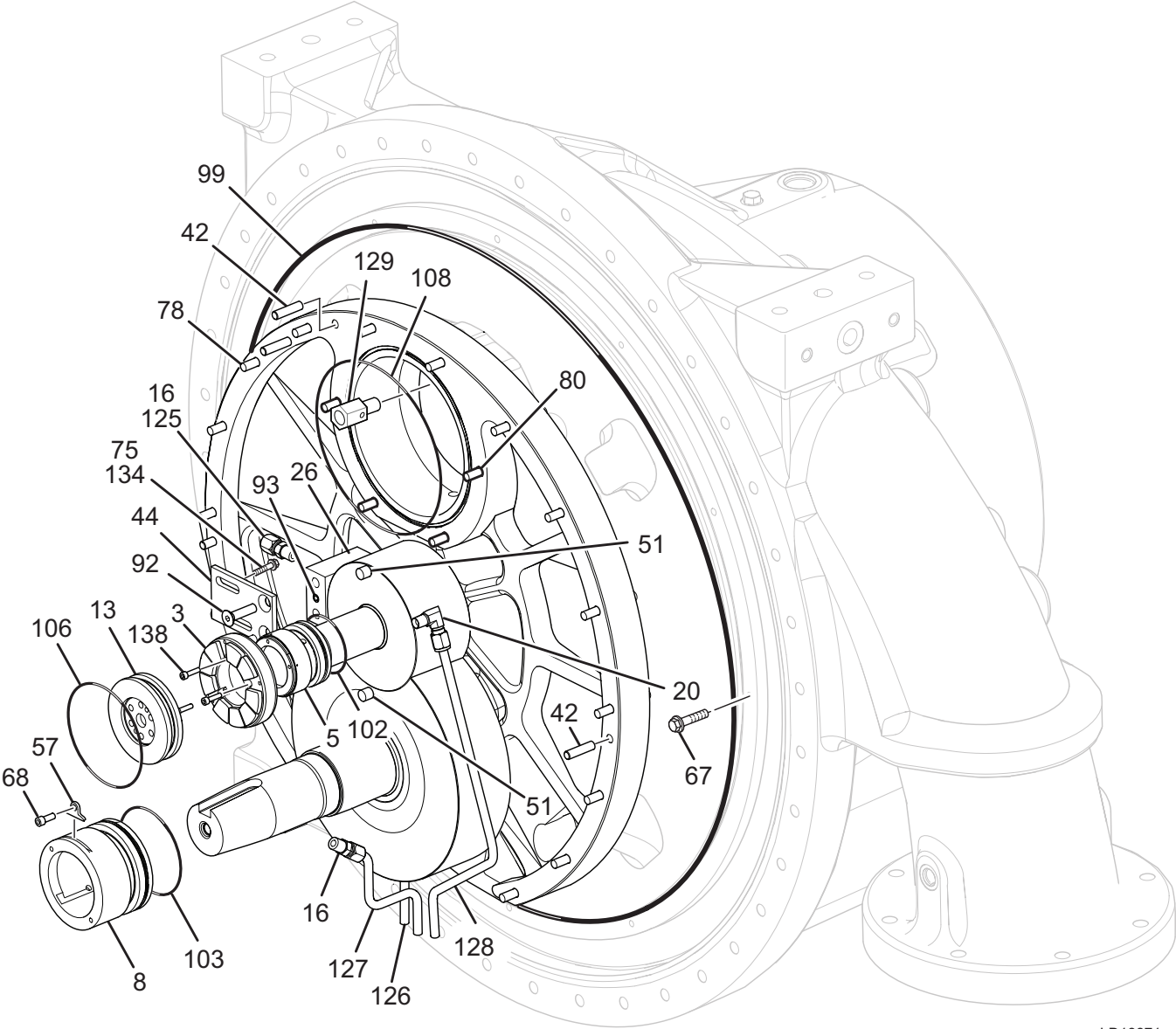
K1



LD16670

FIGURE 1 - K1 COMPRESSOR

K1 COMPRESSOR

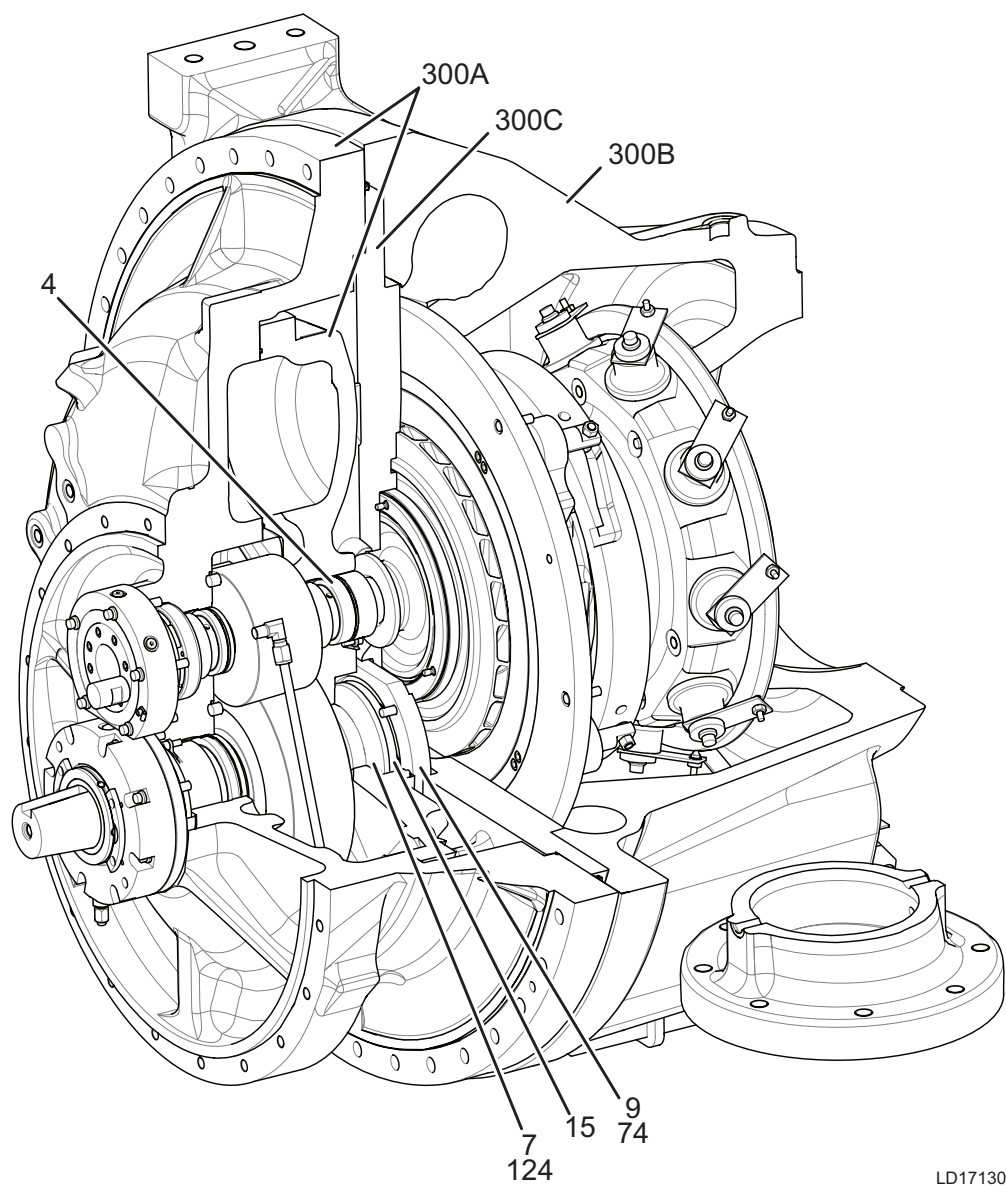


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FIGURE 2 - K1 COMPRESSOR

K1 COMPRESSOR

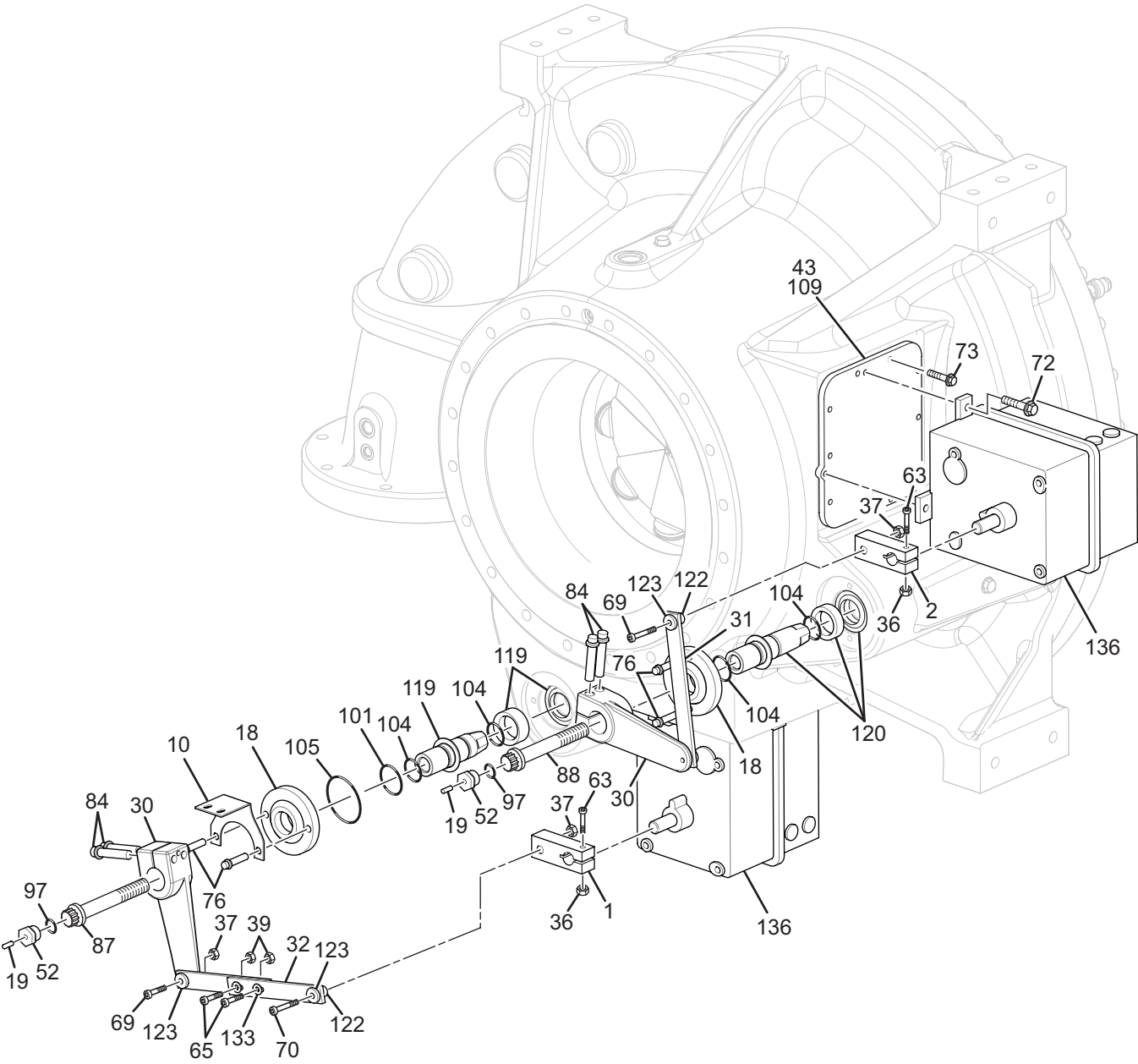
K1



LD17130

FIGURE 3 - K1 COMPRESSOR

K1 COMPRESSOR

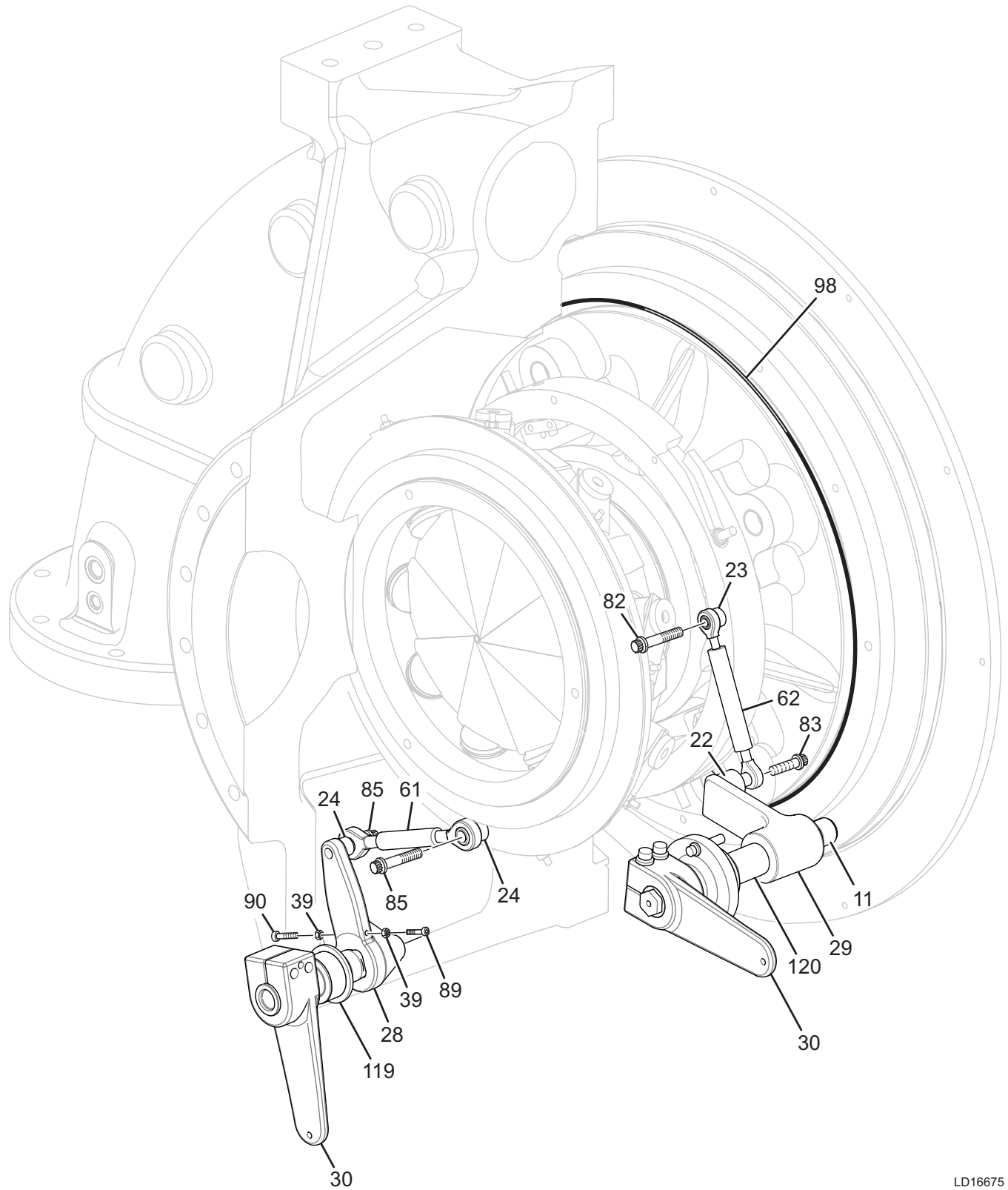


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FIGURE 4 - K1 COMPRESSOR

K1 COMPRESSOR

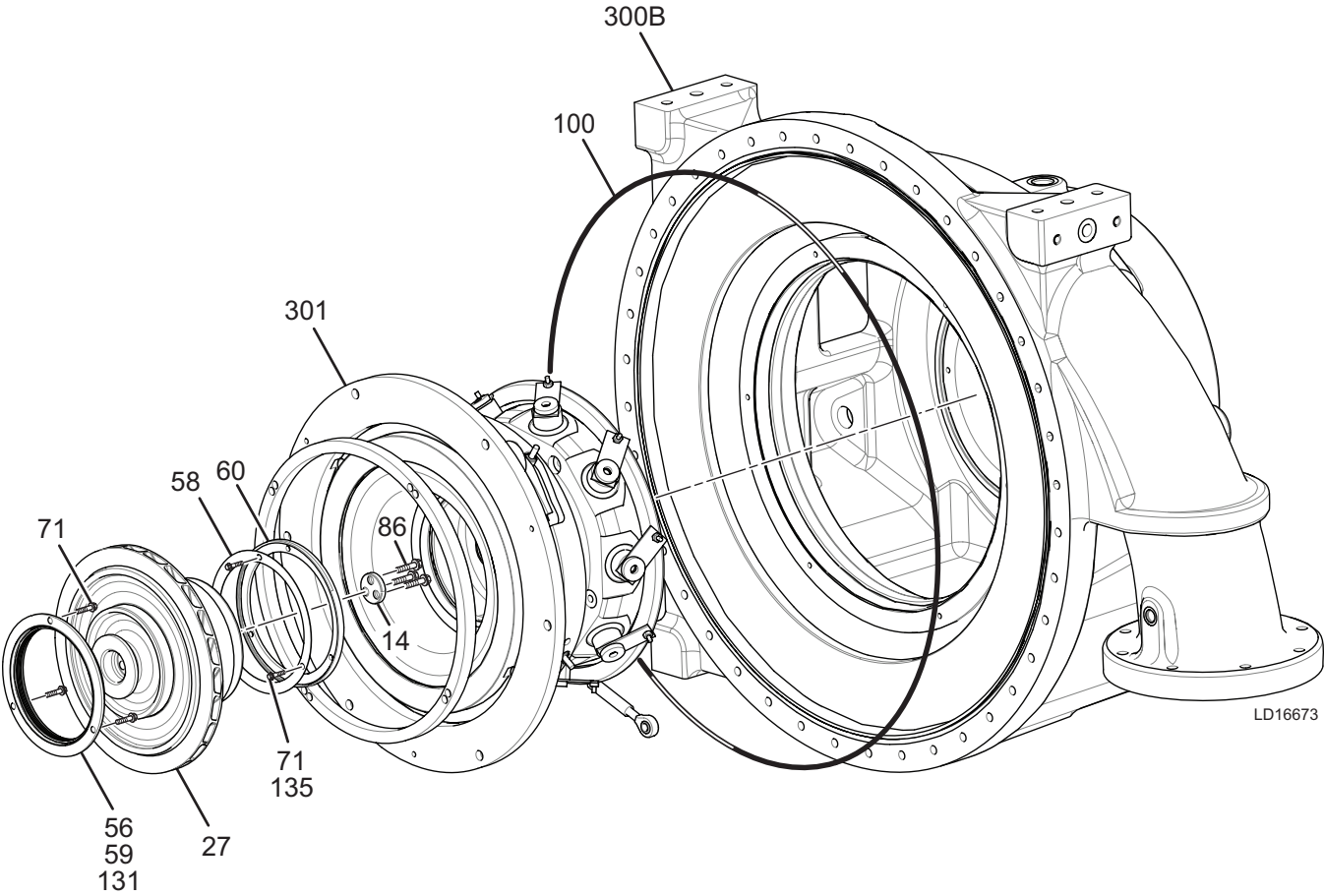
K1



LD16675

FIGURE 5 - K1 COMPRESSOR

K1 COMPRESSOR



LD16673

FIGURE 6 - K1 COMPRESSOR

K1 COMPRESSOR

TABLE 4 - PRE-ROTATION DEVICE (K1)

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	Device, PRV	364 51763 000	1	7
1	Ring, Vane Driving K1-2	064 51667 000	1	7
2	Vane, Pre-Rotation K1-2 (prior 7/2012)	064 51641 000	9	7
	Vane, Pre-Rotation K1-2 (after 7/2012)	029 26311 000		
3	Arm, PRV	064 47508 000	9	7
4	Spacer, PRV Arm K1-2	064 51668 000	9	7
5	Washer, Special PRV	064 47516 000	9	7
6	Washer, Plain 17/64 ID 1/2	021 11973 000	18	7
7	Stud, Ball 1/4-28 Unf	029 15924 000	9	7
8	Screw, Cap 12pt Hd 1/2	021 11515 000	9	7
9	Nut, Selflock 1/4-28 Unf	021 12943 000	9	7
11	Housing, PRV K1	064 51764 000	1	7
12	Bearing, Ball Deep Groove	029 25106 000	18	7
13	Spacer	064 51815 000	9	7
14	Spring, Crest-to-Crest Type	029 25107 000	9	7

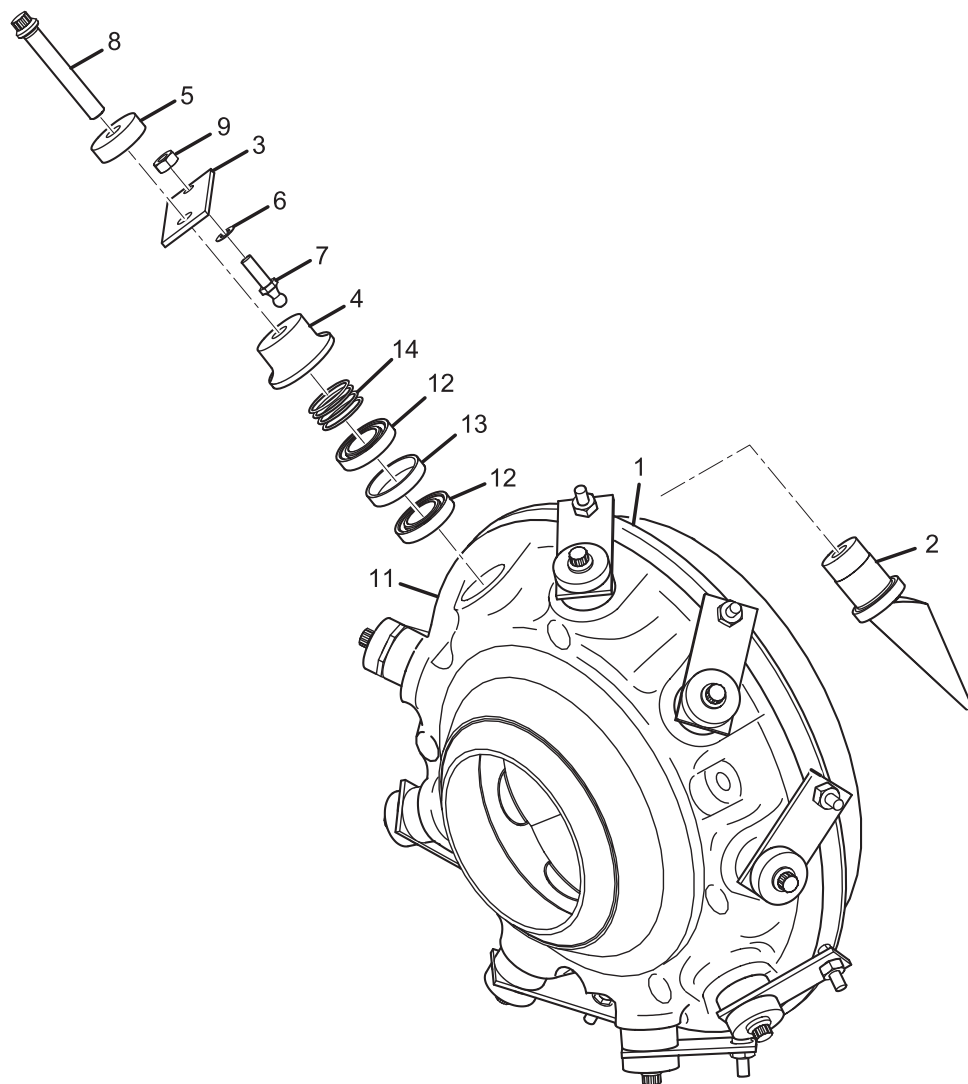


FIGURE 7 - PRE-ROTAION DEVICE (K1)

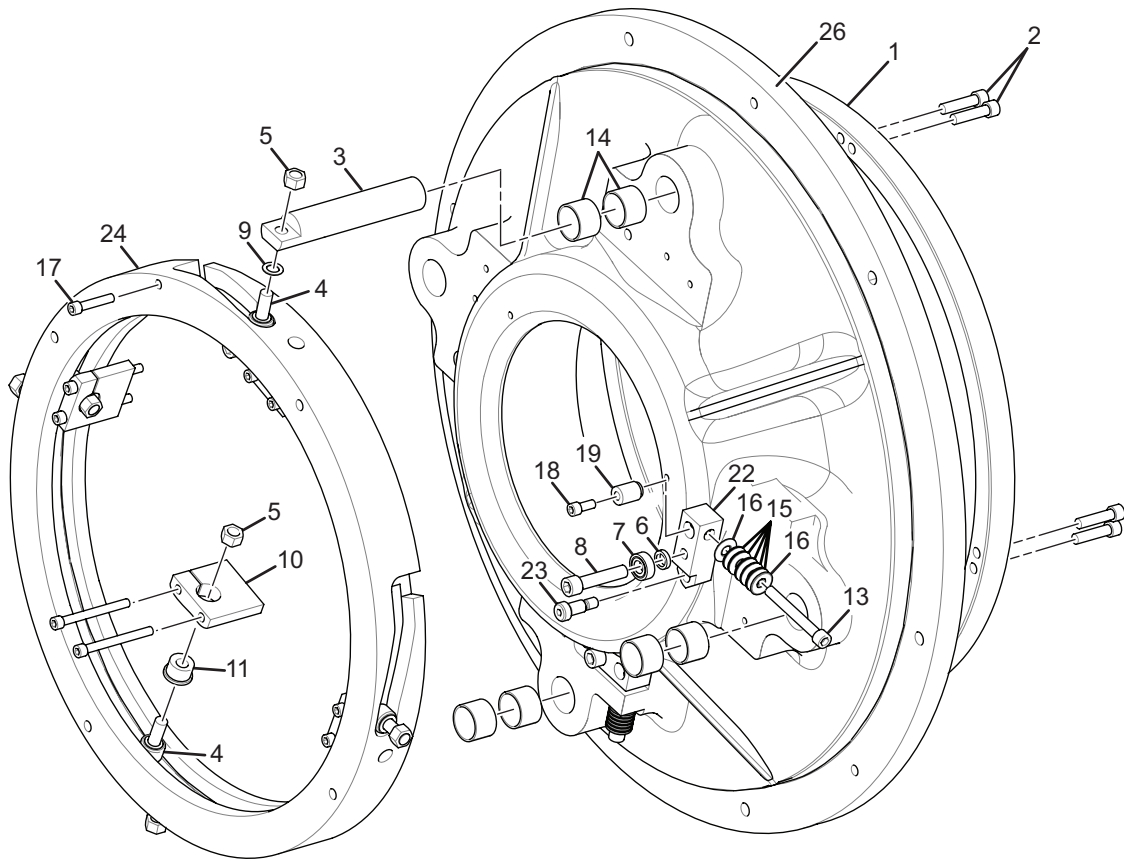
LD12810

K1 COMPRESSOR**TABLE 5 - VARIABLE GEOMETRY DIFFUSER (VGD) MODEL K1**

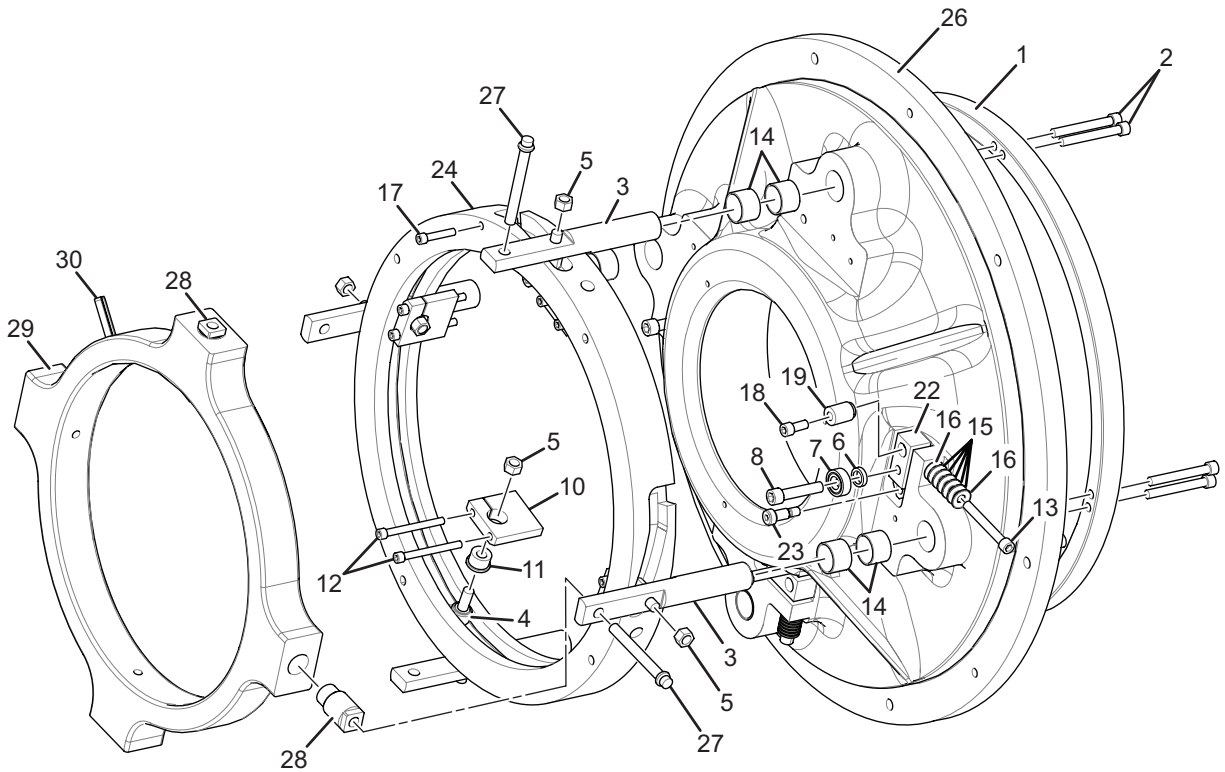
ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	Device, VGD (prior 4/2012)	364 51765 000	1	8
	Device, VGD (after 4/2012)	364 53356 000	1	8
1	Ring, VGD Diffuser K1	064 51767 000	1	8
2	Screw, Cap Hex Soc Hd 5/16 (prior 5/2012)	021 31527 000	8	8
	Screw, Cap Hex Soc Hd 5/16 (after 5/2012)	021 16735 000		
3	Pin, Drive (prior 4/2012)	064 50470 000	4	8
	Pin, Drive (after 4/2012)	064 53359 000	4	8
4	Bearing, McGill Cf-3/4-B	029 24103 000	8	8
5	Nut, Hex 3/8 - 24 Unf-2b	021 00474 000	8	8
6	Spacer, VGD	064 50758 000	4	8
7	Bearing, McGill Cyr 1 3/8	029 24104 000	4	8
8	Screw, Cap Hex Soc Hd 3/8	021 01508 000	4	8
9	Washer, Plain .384 Id X 5/8 Od	021 31155 000	4	8
10	Support, Axial Bearing	064 51714 000	4	8
11	Bushing, Eccentric	064 51713 000	4	8
12	Screw, Cap Hex Soc Hd	021 19223 000	8	8
13	Screw, Cap Hex Soc Hd 5/16	021 31326 000	2	8
14	Bushing, Garlock 16du12	029 24100 000	8	8
15	Washer, Conical Disk	021 31324 000	24	8
16	Washer, Plain Hardened 3/8 Id	021 31323 000	4	8
17	Screw, Cap Hex Soc Hd 1/4	021 02578 000	1	8
18	Screw, Set Hex Socket 1/4	021 31328 000	2	8
19	Pin, Tensioner Vgd Drive Ring	064 50830 000	2	8
22	Block, Tensioner Drive Ring	064 50824 000	2	8
23	Screw, Shoulder Soc Hd 5/16	021 31322 000	2	8
24	Ring, VGD Drive	064 51766 000	1	8
26	Plate, Nozzle Base K1	064 51761 000	1	8
27	Screw, Cap 12pt hd 3/8 (after 4/2012)	021 11941 000	4	8
28	Insert, VGD Ring (after 4/2012)	064 53106 000	4	8
29	Ring, Stabilizing K1 (after 4/2012)	064 53358 000	1	8
30	Pin, Slot spg 3/8 x 2 (after 4/2012)	029 09010 000	1	8

K1 COMPRESSOR

K1



364 51765 000



364 53356 000

LD16674

FIGURE 8 - VARIABLE GEOMETRY DIFFUSER (K1)

K2 COMPRESSOR

TABLE 6 - K2 COMPRESSOR

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
1	Arm, Motor (prior 4/2012)	064 51548 000	1	12
	Arm, Motor (after 4/2012)	064 53364 000	1	12
2	Arm, PRV Motor	064 50614 000	1	12
*3	Bearing, H.S. Front	064 50618 000	1	11
*4	Bearing, H.S. Rear	064 50619 000	1	10
*5	Bearing, L.S. Front	064 50620 000	1	11
*6	Bearing, L.S. Rear	064 50621 000	1	10
*7	Bearing, Thrust H.S.	029 20900 002	1	10
8	Bracket, Support Lower PRV	064 48851 000	1	12
*9	Bearing, H.S. Reverse Thrust	029 25042 000	1	9
10	Bearing, L.S. Thrust	029 23760 001	1	11
13	Clamp, Tube 1/8 Od	023 06163 000	1	9
14	Bushing, Garlock 16du12	029 24100 000	1	13
15	Collar, Impeller Clamping	064 48123 000	1	14
*16	Collar, H.S. Thrust	064 47904 000	1	10
17	Collar L.S. Thrust	064 47770 000	1	11
19	Screw, Cap Hex Soc Hd #8	021 19153 000	1	9
20	Connr, Cinch 3/8 Tube X	023 06801 000	3	10
22	Connr, Fla M X M 1/4 Od Fla	023 23367 000	1	9
23	Cover, Shaft Control (prior 6/2013)	064 51671 000	2	12
	Cover, Shaft Control (after 6/2013)	064 52347 000		
24	Dowel, Pin Str	029 24130 000	2	12
†25	O-Ring, Neop 02.234id .139thk M	028 03803 000	2	12
26	Elbow, Cinch 3/8 Tube X	023 22141 000	2	10
31	Fillpiece, Prerot Device	064 10821 000	1	13
32	Fillpiece, Pre-Rotation Device	064 50765 000	1	13
33	Fillpiece, PRV Linkage	064 47727 000	2	13
36	Header, Spray	064 48003 000	1	10
37	Impeller, 8.393 Eye Hard Coat K2	064 51630 001	1	14
38	Lever, Internal	064 50498 000	1	13
39	Lever, Internal VGD	064 51215 000	1	13
40	Lever, External	064 50613 000	2	12, 13
41	Link, External PRV & Mot Tk131	064 46880 000	2	12
42	Link, External VGD	064 50723 000	1	12
46	Nut, Flare Hydraulic 1/4 Od	023 09670 000	1	9
48	Nut, Hex 1/4 - 20 Unc-2b:	021 00450 000	4	12, 13
50	Nut, Hex 5/16 - 18unc-2b:	021 02523 000	4	12
52	Nut, Hex Mach Scr #10 - 32	021 08670 000	2	12
53	Orifice, H.S. Oil Feed	064 48034 000	1	9
55	Pin, Dowel Tapped 3/8 Dia	029 18459 000	3	10
*56	Pin, Slot Spg 3/16 X 1/2	029 04138 000	1	11
57	Plate, Cover Handhole	064 50139 000	1	12
58	Plate, Mtg	064 47998 000	1	10
59	Plug, Hex Hd 1-1/16	023 18295 000	1	9

* Included in Bearing Kit

† Included in O-Ring Kit

K2 COMPRESSOR

TABLE 6 - K2 COMPRESSOR (CON'T)

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
60	Plug, Hex Hd 1-5/16	023 18282 000	2	9
62	Plug, Hex Hd 7/16	023 18279 000	2	9
63	Plug, Hex Hd 9/16	023 18962 000	8	9
64	Plug, Pipe 1/4 Hex Socket	023 01973 000	3	10
65	Plug, PRV Assembly	064 50632 000	2	12
68	Probe, Proximity	025 40496 000	1	9
69	Hhcs, 0.250-20 X 1.500 Gr 5 Bl	021 13223 000	1	13
70	Retainer, B.P. Seal K1-2	064 51719 000	1	14
71	Retainer, Bearing S Stage Turbo	064 46886 000	3	10
72	Retainer, Eye Seal Washer K2	064 51722 000	1	13
73	Ring, Balance Piston Seal K1-2	064 51718 000	1	14
74	Ring, Eye Seal K2	064 51721 000	1	14
75	Rod, Adjustable PRV & VGD	364 51754 694	1	13
76	Rod, Adjustable PRV & VGD	364 51753 675	1	13
77	Screw, Cap 12 Pt Hd 1/2	021 11515 000	3	14
78	Screw, Cap 12 Pt Hd 1/2	021 11926 000	4	12
79	Screw, Cap 12 Pt Hd 1/2	021 31600 000	1	12
80	Screw, Cap 12 Pt Hd 1/2	021 31125 000	1	12
81	Screw, Cap 12 Pt Hd 1/2	021 11525 000	2	13
82	Screw, Cap 12 Pt Hd 3/8	021 17553 000	1	13
84	Screw, Cap 12 Pt Hd 3/8	021 11149 000	2	10
85	Screw, Cap 12 Pt Hd 3/8	021 11139 000	6	12
86	Screw, Cap 12 Pt Hd 3/8-16x1-1/	021 11175 000	4	12
87	Screw, Cap 12 Pt Hd 3/8	021 11920 000	13	9
88	Screw, Cap 12 Pt Hd 3/8	021 11595 000	16	10
89	Screw, Cap 12 Pt Hd 3/8	021 17618 000	1	13
90	Screw, Cap 12 Pt Hd 3/8	021 11141 000	16	12
91	Screw, Cap 12 Pt 3/8 -16x4	021 15758 000	7	10
92	Screw, Cap 12 Pt Hd 3/8	021 11148 000	6	11
93	Screw, Cap 12 Pt Hd 5/8	021 11673 000	40	9
94	Screw, Cap Flat Soc Hd 3/8	021 13856 000	2	10
96	Screw, Cap Hex 1/4 -20unc	021 16826 000	1	13
97	Screw, Cap Hex Soc Hd #10	021 31829 000	2	12
98	Screw, Cap Hex Soc Hd 1/4	021 18591 000	6	10
99	Screw, Cap Hex Soc Hd 1/4	021 02578 000	10	10
100	Screw, Cap Hex Soc Hd 1/4	021 29576 000	2	12
101	Screw, Cap Hex Soc Hd 1/4	021 30625 000	3	10
102	Screw, Cap Hex Soc Hd 5/16	021 02581 000	2	12
103	Screw, Cap Hex Soc Hd 5/16	021 16173 000	2	12
104	Screw, Set Hex Soc Cup Pt	021 00774 000	1	10, 12
105	Screw, Shoulder Soc Hd	021 17557 000	6	14
†106	O-Ring, Neop 00.301id .064thk M	028 12961 021	1	9
†107	O-Ring, Neop 00.351id .072thk M	028 12961 001	3	9
†108	O-Ring, Neo1 01.109id .139thk M	028 12200 000	4	12

* Included in Bearing Kit

† Included in O-Ring Kit

K2 COMPRESSOR**TABLE 6 - K2 COMPRESSOR (CON'T)**

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
†109	O-Ring, Neop 02.550id .103thk M	028 11976 000	3	10
†110	O-Ring, Neo1 04.484id .139thk M	028 15576 000	1	9, 10
†111	O-Ring, Neo1 00.301id .070thk M	028 12513 000	3	9
†112	O-Ring, Neo1 05.234id .139thk M	028 15577 000	1	9
†113	O-Ring, Neop 07.984id .139thk M	028 12255 000	1	10
†114	O-Ring, Neo1 37.050id .275thk M	028 15083 000	1	14
†115	O-Ring, Neo1 02.112id .103thk M	028 15432 000	2	12
†116	O-Ring, Neop 03.737id .103thk M	028 15074 000	2	10
†117	O-Ring, Neo1 08.234id .139thk M	028 15078 000	1	12
†118	O-Ring, Neop 00.468id .078thk M	028 12961 003	10	9
†119	O-Ring, Neop 00.644id .087thk M	028 12961 004	2	9
†120	O-Ring, Neop 00.755id .097thk M	028 12961 005	2	9, 12
†121	O-Ring, Neop 01.171id .116thk M	028 12961 008	2	9
†122	O-Ring, Neop 00.924id .116thk M	028 12961 006	1	9
†123	O-Ring, Hnbr 00.424id .103thk M	028 15428 000	1	9
†124	O-Ring, Neo1 23.910id .139thk S	028 15437 000	1	13
†125	O-Ring, Neo1 31.174id .139thk S	028 15072 000	1	10
126	Seal, Double Shaft K1-2	029 25041 000	1	9
131	Shaft, Contl Prerot Device (prior 6/2013)	364 51672 000	1	12, 13
	Shaft, Contl Prerot Device (after 6/2013)	064 52346 000		
132	Shaft, Control VGD (prior 6/2013)	364 51673 000	1	12, 13
	Shaft, Control VGD (after 6/2013)	064 53745 000		
133	Sleeve, Flare Hydraulic 1/4 Od	023 10000 000	1	9
134	Spacer, .50 Lg X .33 Id X .63od	064 50611 000	2	12
135	Spacer, Flanged, PRV & VGD	064 50612 000	4	12
143	Tube, Gear Cooling	064 51249 000	1	10
144	Tube, Oil Drain HS Thrust K1-2	064 51762 000	1	10
146	Tube, L.S. Oil Drain	064 51221 000	1	10
147	Tube, Oil Drain Shaft Seal	064 51637 000	1	10
150	Valve, Check Oil 1/8 Npte	022 04444 000	1	10
151	Valve, Stop Ang Vertical	022 09578 000	1	9
152	Washer, Plain Hardened	021 17264 000	4	12
153	Washer, Plain 13/32 Id X 13/16	021 01274 000	2	10
154	Washer, Plain Clipped Hardened	021 17593 000	40	9
155	Washer, Bal Piston Spring K1-2	064 51720 000	1	14
156	Washer, Eye Spring K2	064 51723 000	1	14
157	Wiring Kit, PRV Motor Actuator	375 49340 103	2	12
157A	PRV Motor Actuator	025-29657-001	2	12
158	O-Ring Hnbr 00.239Id .064Thk	028 15846 000	4	9
300	Compressor, Large Parts K2 (prior 4/2012)	164 51724 300	1	-
	Compressor, Large Parts K2 (after 4/2012)	164 53362 300	1	-
300A	Support Rotor W/ Housing Brg	364 51725 000	1	11
300B	Scroll, Rotor K2	064 51632 000	1	14
300C	Plate, Diffuser, K3	064 51633 000		11
301	Plate, Nozzle Base K2 VGD	064 51634 000	1	14

* Included in Bearing Kit

† Included in O-Ring Kit

K2 COMPRESSOR

TABLE 7 - K2 COMPRESSOR BEARING KIT

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	Compressor Bearing Kit	464 51845 000	1	-
*3	Bearing, H.S. Front	064 50618 000	1	11
*5	Bearing, L.S. Front	064 50620 000	1	11
*6	Bearing, L.S. Rear	064 50621 000	1	10
*16	Collar, H.S. Thrust	064 47904 000	1	10
*56	Pin, Slot Spg 3/16 x 1/2	029 04138 000	1	11
*4,7	Kit,Bearing H.S. Thrust	464 52464 000	1	10
9,66,*158	Kit, Bearing H.S. Reverse Thrust	464 52523 000	1	9

* Included in Bearing Kit

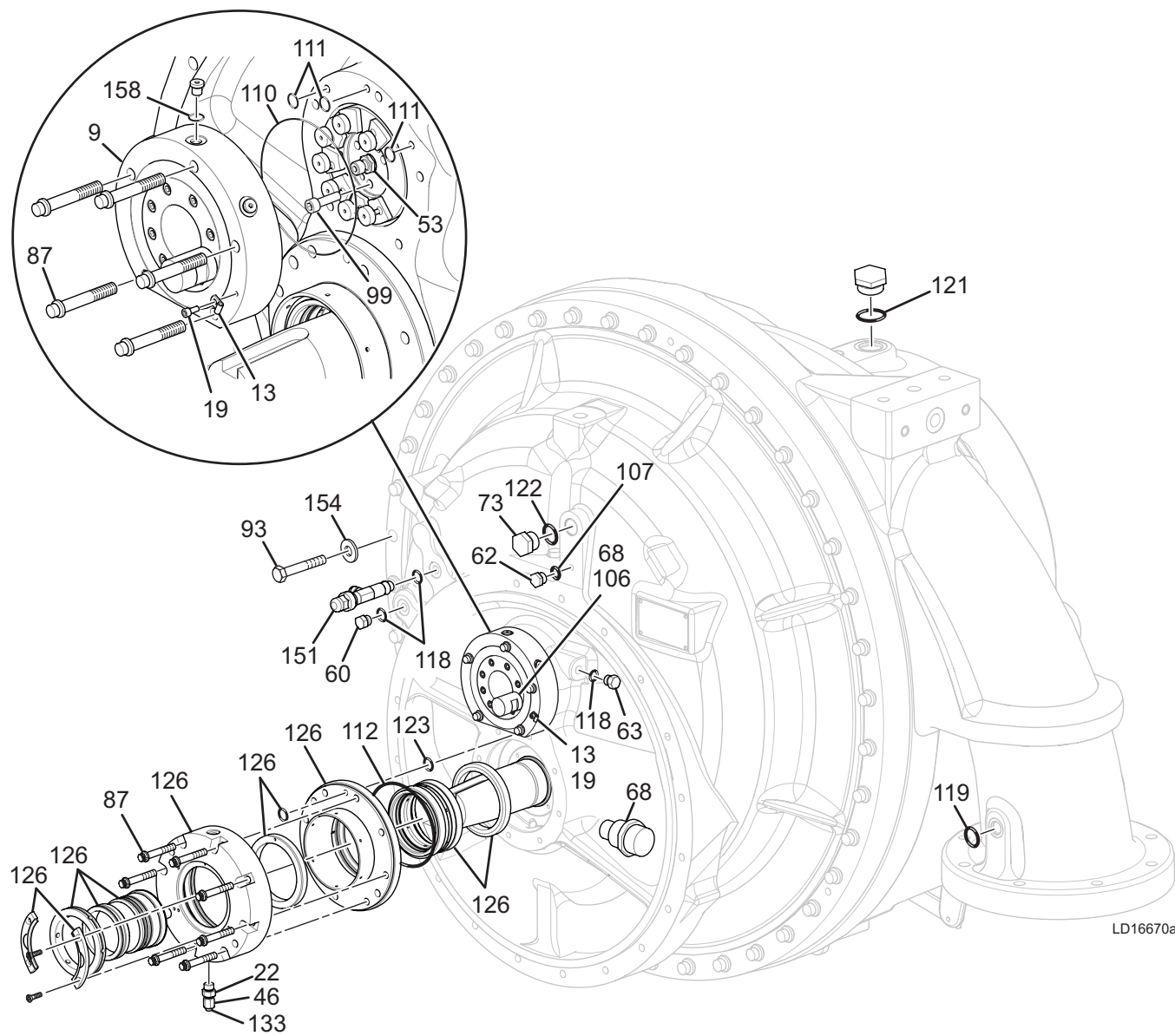
K2

TABLE 8 - K2 COMPRESSOR O-RING KIT

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	Compressor O-Ring Kit	464 51847 000	1	-
†25	O-Ring, Neop 02.234id .139thk M	028 03803 000	2	12
†106	O-Ring, Neop 00.301id .064thk M	028 12961 021	1	9
†107	O-Ring, Neop 00.351id .072thk M	028 12961 001	3	9
†108	O-Ring, Neo1 01.109id .139thk M	028 12200 000	4	12
†109	O-Ring, Neop 02.550id .103thk M	028 11976 000	3	10
†110	O-Ring, Neo1 04.484id .139thk M	028 15576 000	1	9, 10
†111	O-Ring, Neo1 00.301id .070thk M	028 12513 000	3	9
†112	O-Ring, Neo1 05.234id .139thk M	028 15577 000	1	9
†113	O-Ring, Neop 07.984id .139thk M	028 12255 000	1	10
†114	O-Ring, Neo1 37.050id .275thk M	028 15083 000	1	14
†115	O-Ring, Neo1 02.112id .103thk M	028 15432 000	2	12
†116	O-Ring, Neop 03.737id .103thk M	028 15074 000	2	10
†117	O-Ring, Neo1 08.234id .139thk M	028 15078 000	1	12
†118	O-Ring, Neop 00.468id .078thk M	028 12961 003	10	9
†119	O-Ring, Neop 00.644id .087thk M	028 12961 004	2	9
†120	O-Ring, Neop 00.755id .097thk M	028 12961 005	2	9,12
†121	O-Ring, Neop 01.171id .116thk M	028 12961 008	2	9
†122	O-Ring, Neop 00.924id .116thk M	028 12961 006	1	9
†123	O-Ring, Hnbr 00.424id .103thk M	028 15428 000	1	9
†124	O-Ring, Neo1 23.910id .139thk S	028 15437 000	1	13
†125	O-Ring, Neo1 31.174id .139thk S	028 15072 000	1	10

† Included in O-Ring Kit

K2 COMPRESSOR



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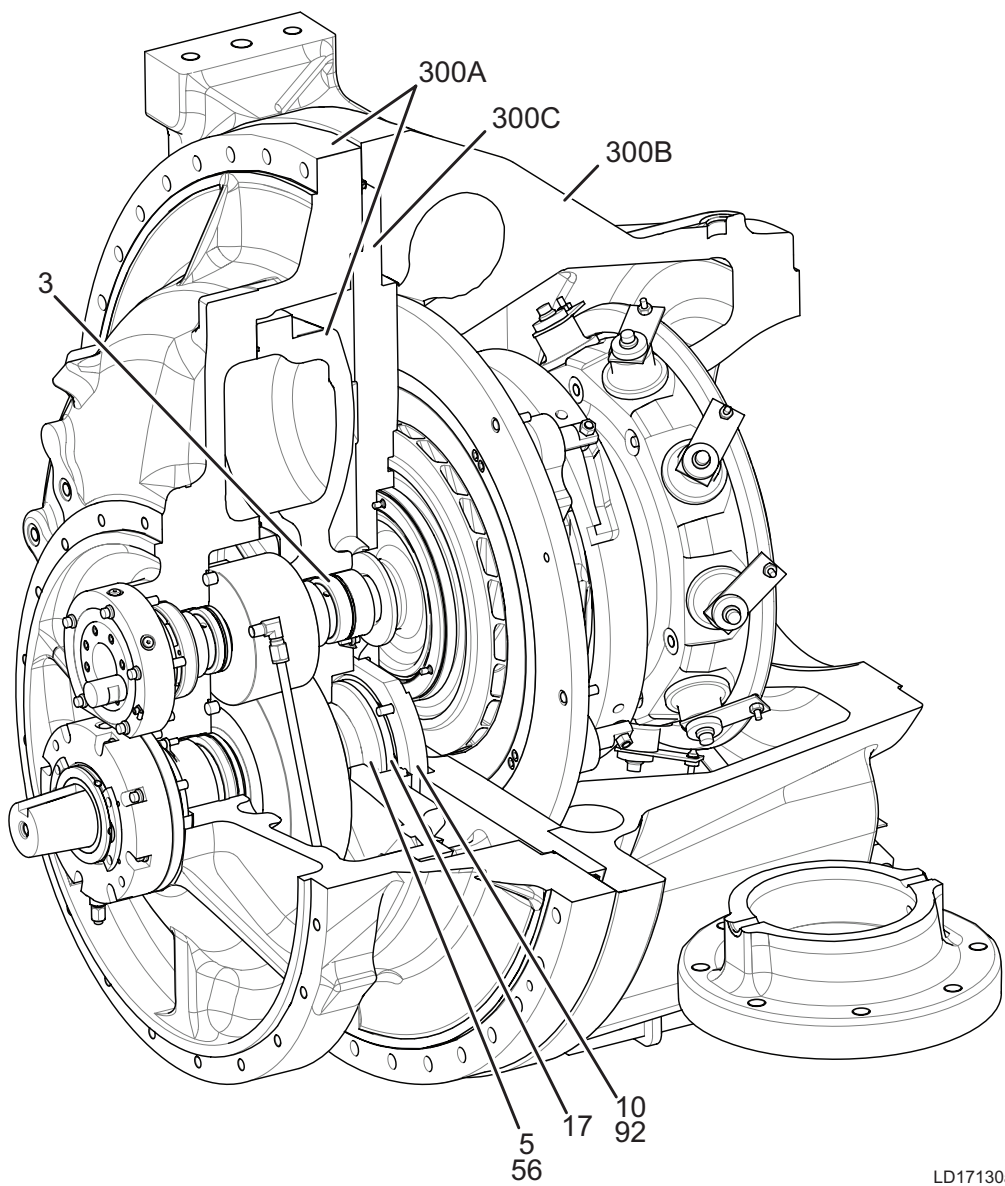
FIGURE 9 - K2 COMPRESSOR

K2



25

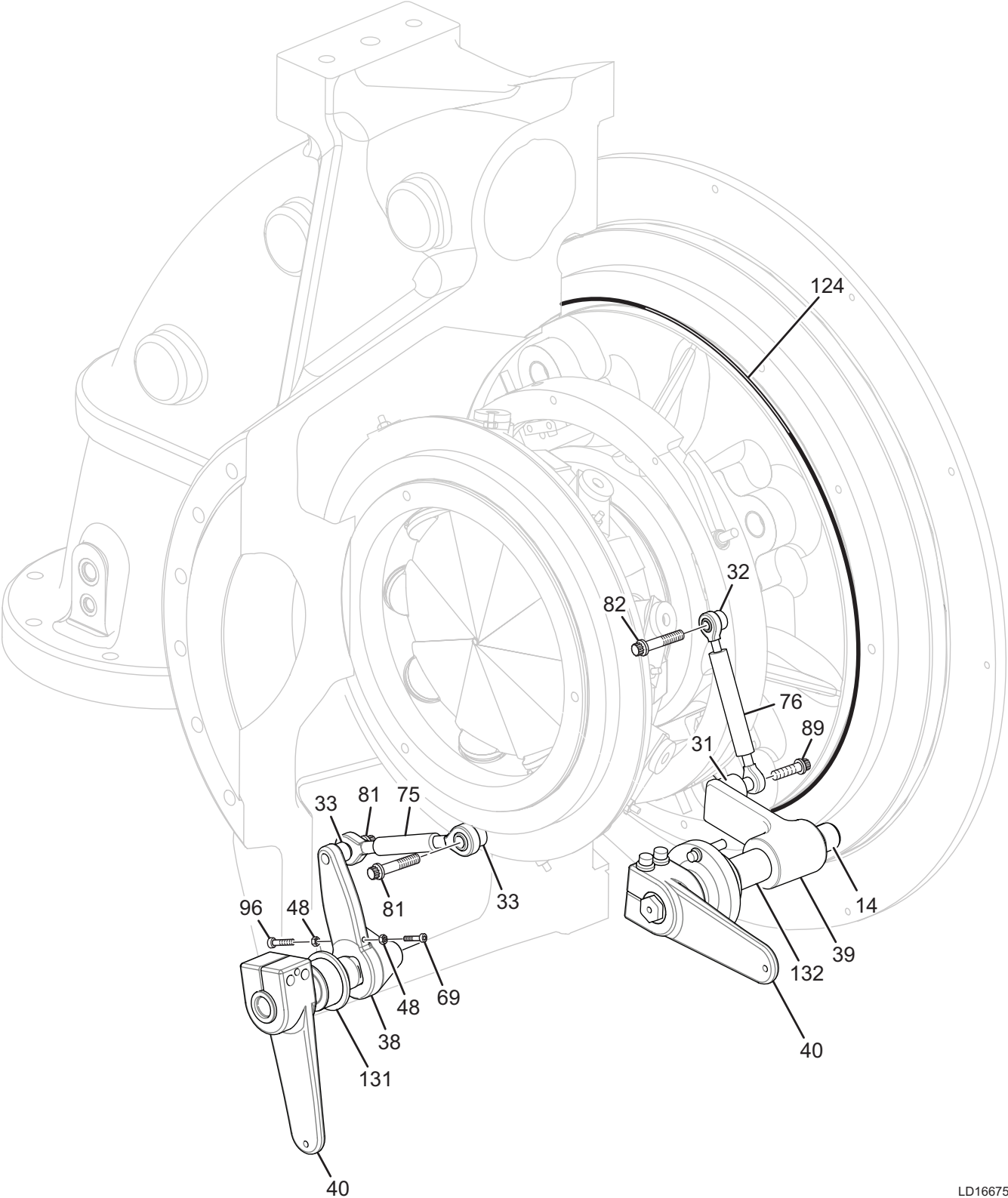
K2 COMPRESSOR



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FIGURE 11 - K2 COMPRESSOR

K2 COMPRESSOR



LD16675a

FIGURE 13 - K2 COMPRESSOR

K2 COMPRESSOR

K2

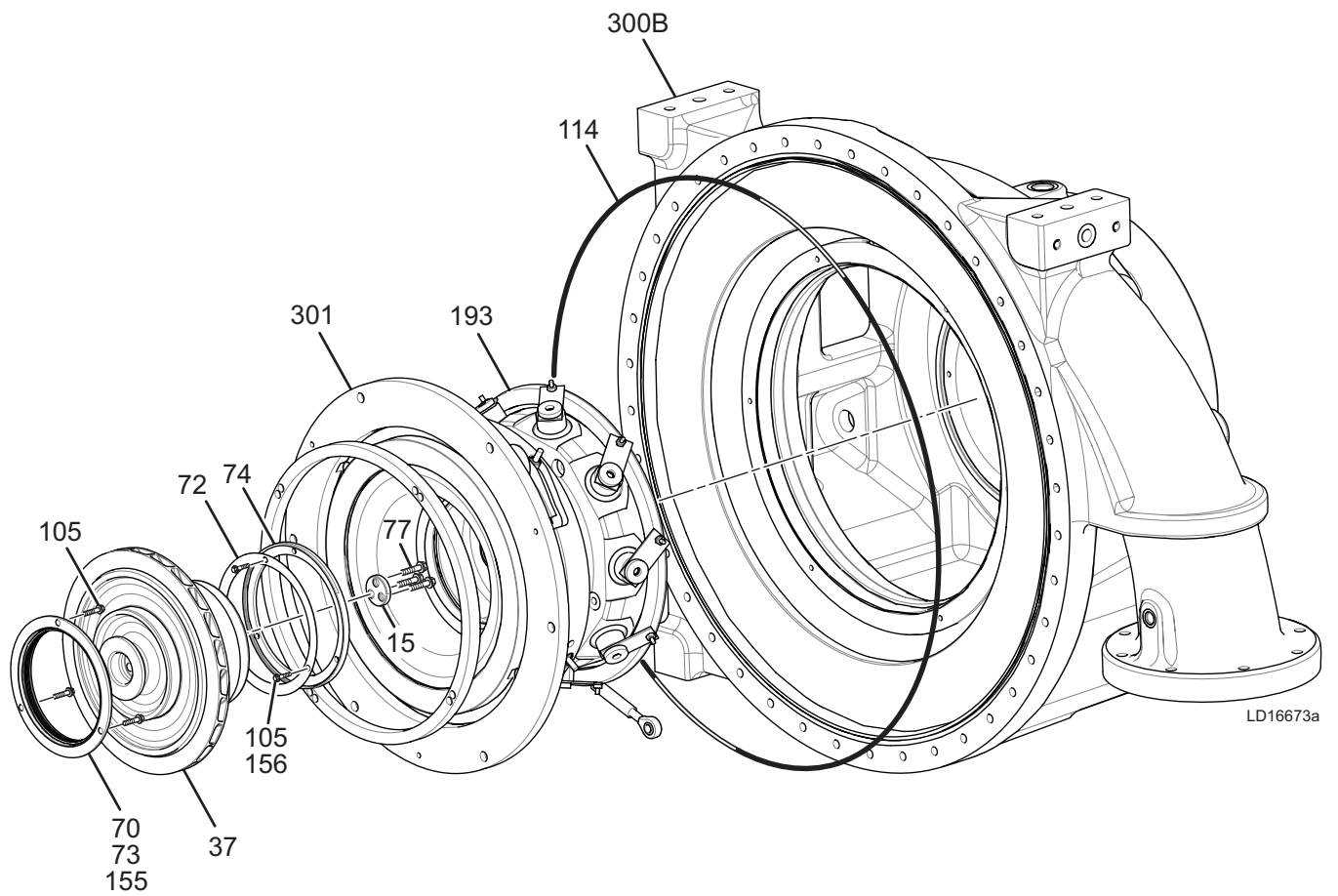
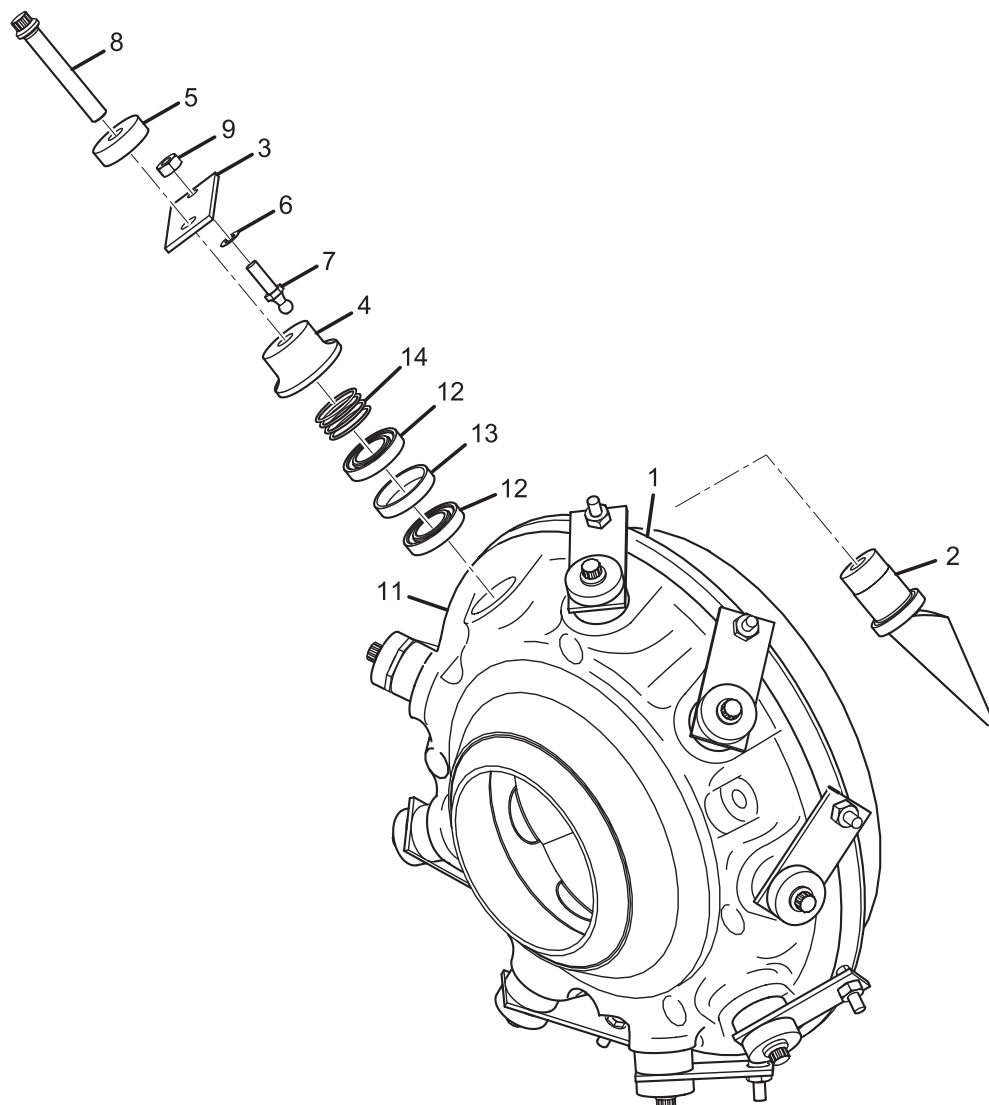


FIGURE 14 - K2 COMPRESSOR

K2 COMPRESSOR

TABLE 9 - PRE-ROTATION DEVICE (K2)

ITEM	DESCRIPTION	PART #	QUANTITY	FIGURE
-	Device, PRV K2	364 51669 000	1	15
1	Ring, Vane Driving K1-2	064 51667 000	1	15
2	Vane, Pre-Rotation K1-2 (prior 2/2012)	064 51641 000	9	15
	Vane, Pre-Rotation K1-2 (after 2/2012)	029 26311 000	9	15
3	Arm, PRV	064 47508 000	9	15
4	Spacer, PRV Arm K1-2	064 51668 000	9	15
5	Washer, Special PRV	064 47516 000	9	15
6	Washer, Plain 17/64 ID 1/2	021 11973 000	18	15
7	Stud, Ball 1/4-28 Unf	029 15924 000	9	15
8	Screw, Cap 12pt Hd 1/2	021 11515 000	9	15
9	Nut, Selflock 1/4-28 Unf	021 12943 000	9	15
11	Housing, PRV K2	064 51742 000	1	15
12	Bearing, Ball Deep Groove	029 25106 000	18	15
13	Spacer	064 51815 000	9	15
14	Spring, Crest-to-Crest Type	029 25107 000	9	15



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FIGURE 15 - PRE-ROTATION DEVICE (K2)

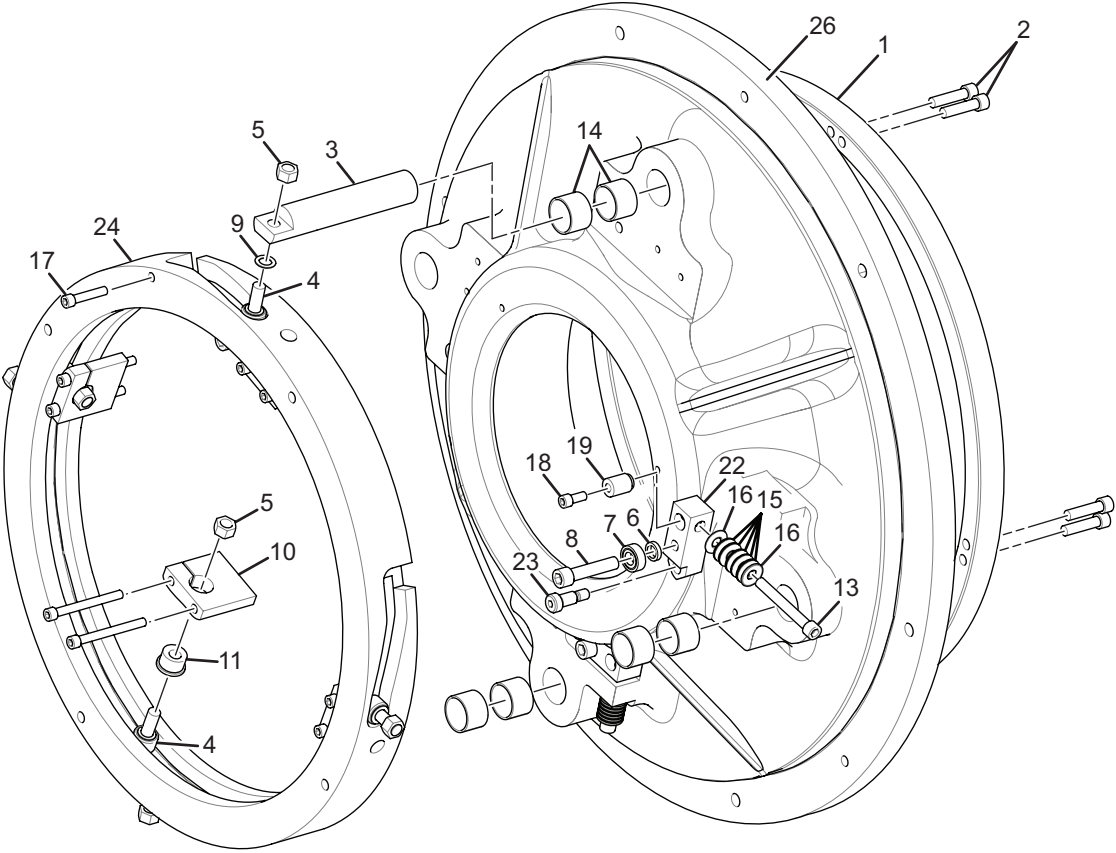
K2 COMPRESSOR

TABLE 10 - VARIABLE GEOMETRY DIFFUSER (VGD) MODEL K2

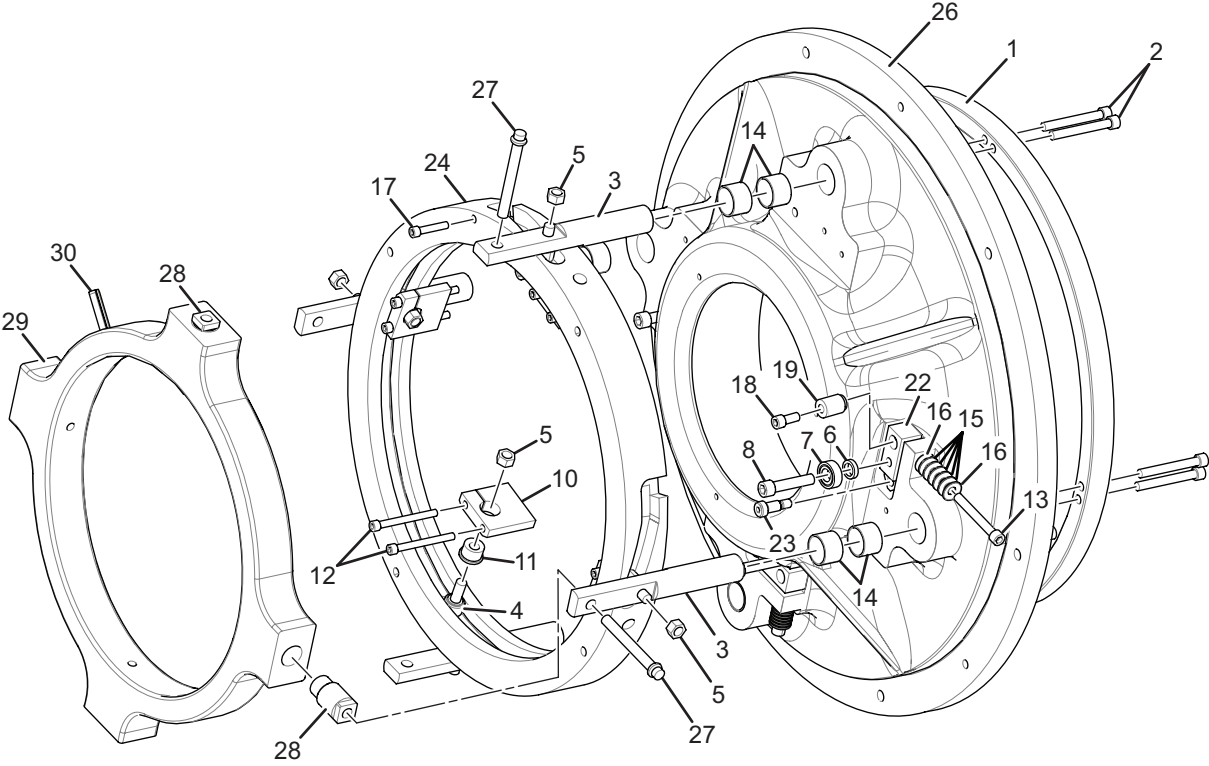
ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	Device, VGD (prior 4/2012)	362 51715 000	1	16
-	Device, VGD (after 4/2012)	364 53361 000	1	16
1	Ring, VGD Diffuser K2	064 51712 000	1	16
2	Screw, Cap Hex Soc Hd 5/16	021 31527 000	8	16
3	Pin, Drive (prior 4/2012)	064 50470 000	4	16
	Pin, Drive (after 4/2012)	064 53359 000	4	16
4	Bearing, Mcgill Cf-3/4-B	029 24103 000	8	16
5	Nut, Hex 3/8 - 24 Unf-2b	021 00474 000	8	16
6	Spacer, VGD	064 50758 000	4	16
7	Bearing, Mcgill Cyr 1 3/8	029 24104 000	4	16
8	Screw, Cap Hex Soc Hd 3/8	021 01508 000	4	16
9	Washer, Plain .384 Id X 5/8 Od	021 31155 000	4	16
10	Support, Axial Bearing	064 51714 000	4	16
11	Bushing, Eccentric	064 51713 000	4	16
12	Screw, Cap Hex Soc Hd	021 19223 000	8	16
13	Screw, Cap Hex Soc Hd 5/16	021 31326 000	2	16
14	Bushing, Garlock 16du12	029 24100 000	8	16
15	Washer, Conical Disk	021 31324 000	24	16
16	Washer, Plain Hardened 3/8 Id	021 31323 000	4	16
17	Screw, Cap Hex Soc Hd 1/4	021 02578 000	1	16
18	Screw, Set Hex Socket 1/4	021 31328 000	2	16
19	Pin, Tensioner VGD Drive Ring	064 50830 000	2	16
22	Block, Tensioner Drive Ring	064 50824 000	2	16
23	Screw, Shoulder Soc Hd 5/16	021 31322 000	2	16
24	Ring, VGD Drive	064 51710 000	1	16
26	Plate, Nozzle Base	064 51634 000	1	16
27	Screw, Cap 12pt Hd 3/8 (after 4/2012)	021 11941 000	4	16
28	Insert, VGD Ring (after 4/2012)	064 53106 000	4	16
29	Ring, Stabilizing VGD K2 (after 4/2012)	064 53363 000	1	16
30	Pin, Slot Spg 3/8 x 1-3/8 (after 4/2012)	029 08499 000	1	16

K2

K2 COMPRESSOR



364 51715 000



364 53361 000

LD16674a

FIGURE 16 - VARIABLE GEOMETRY DIFFUSER (K2)

K3 COMPRESSOR

TABLE 11 - K3 COMPRESSOR

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
1	Arm, PRV Motor	064 50614 000	1	20
2	Arm, Motor (prior 3/2012)	064 51401 000	1	20
	Arm, Motor (after 3/2012)	064 53338 000	1	20
*3	Bearing, H.S. Forward Thrust K3-4	029 25837 001	1	18
*4	Bearing, H.S. Front K3-4	064 51782 000	1	19
*5	Bearing, H.S. Rear K3-4	064 52719 000	1	18
*6	Bearing, H.S. Reverse Thrust K3-4	029 24758 002	1	17
*7	Bearing, L.S. Front	064 47857 000	1	19
8	Bearing, L.S. Thrust	029 24757 000	1	19
*9	Bearing, L.S. Rear	064 47858 000	1	18
10	Bracket, Support Lower PRV	064 48851 000	1	20
11	Bushing, Garlock 16du12	029 24100 000	2	20, 21
12	Clamp, Tube 1/8 Od	023 06163 000	1	17
*13	Collar, H.S. Thrust K3-4	064 52718 000	1	18
14	Collar, Impeller Clamping	064 47853 000	1	22
*15	Collar, L.S. Thrust	064 51492 000	1	19
16	Connr, Cinch 3/8 Tube X	023 06801 000	3	18
17	Connr, Fla M X M 1/4 Od Fla	023 23367 000	1	17
18	Cover, Shaft Control (prior 6/2013)	064 51671 000	2	20, 21
	Cover, Shaft Control (after 6/2013)	064 52347 000		
19	Dowel, Pin Str	029 24130 000	2	20
20	Elbow, Cinch 3/8 Tube X	023 22141 000	2	18
22	Fillpiece, Prerot Device	064 10821 000	1	21
23	Fillpiece, Pre-Rotation Device	064 50765 000	1	21
24	Fillpiece, PRV Linkage	064 47727 000	1	21
25	Fillpiece, PRV Device	064 51523 000	1	21
27	Header, Spray	064 47999 000	1	18
28	Impeller, 9.512 Eye Diameter K3	064 51729 001	1	22
29	Lever, Internal	064 51653 000	1	21
30	Lever, Internal VGD	064 51216 000	1	21
31	Lever, PRV External	064 51703 000	2	20, 21
32	Link, External VGD	064 50723 000	1	20
33	Link, Ext PRV & Mot Tk131	064 46880 000	2	20
37	Nut, Hex Mach Scr #10 - 32	021 08670 000	2	20
38	Nut, Hex 5/16 - 18unc-2b	021 02523 000	4	20
39	Nut, Flare Hydraulic 1/4 Od	023 09670 000	1	17
40	Nut, Hex 1/4 - 20 Unc-2b	021 00450 000	4	20, 21
41	Orifice, Pipe Plug Yk Compr	064 51852 000	1	19
42	Orifice, H.S. Oil Feed	064 49203 000	1	17
43	Pin, Dowel Tapped 3/8 Dia	029 18459 000	3	18
44	Plate, Cover Handhole	064 50139 000	1	20
45	Plate, Mtg	064 47998 000	1	18
46	Plug, Hex Hd 1-1/16	023 18295 000	1	17
47	Plug, Hex Hd 1-5/16	023 18282 000	2	17

* Included in Bearing Kit

† Included in O-Ring Kit

K3

K3 COMPRESSOR

TABLE 11 - K3 COMPRESSOR (CON'T)

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
48	Plug, Hex Hd 3/4	023 18280 000	2	17
49	Plug, Hex Hd 7/16	023 18279 000	2	17
53	Plug, PRV Assembly	064 50632 000	2	20
54	Plug, Hex Hd 9/16	023 18962 000	9	17
56	Probe, Proximity	025 40496 000	1	17
57	Retainer, B.P. Seal Washer	064 50239 000	1	22
58	Retainer, Bearing S Stage Turbo	064 46886 000	2	18
59	Retainer, Eye Seal K3	064 51778 000	1	22
60	Ring, Balance Piston Seal (prior 3/2010)	064 50238 000	1	22
	Ring, Balance Piston Seal (after 3/2010)	064 52955 000	1	22
61	Ring, Eye Seal K3	064 51777 000	1	22
62	Rod, Adjustable PRV & VGD	364 51754 731	1	21
63	Rod, Adjustable PRV & VGD	364 51753 681	1	21
64	Screw, Cap Hex Soc Hd #10	021 31829 000	2	20
65	Screw, Cap Hex Soc Hd #8	021 19153 000	1	17
66	Screw, Cap Hex Soc Hd 1/4	021 29576 000	10	19, 20
68	Screw, Cap Hex Soc Hd 1/4	021 02578 000	4	19
69	Screw, Cap Hex Soc Hd 1/4	021 12643 000	6	18
*70	Screw, Cap Hex Soc Hd 1/4	021 29501 000	3	18, 19
71	Screw, Cap Hex Soc Hd 1/4	021 08993 000	3	18
72	Screw, Cap Hex Soc Hd 5/16	021 02581 000	2	18, 20
73	Screw, Cap Hex Soc Hd 5/16	021 16173 000	2	20
74	Screw, Shoulder Soc Hd	021 17557 000	6	22
75	Screw, Cap 12 Pt Hd 3/8	021 11139 000	6	20
76	Screw, Cap 12 Pt Hd 3/8	021 11141 000	10	20
79	Screw, Cap 12 Pt Hd 3/8-16x1-1/	021 11175 000	10	20
80	Screw, Cap 12 Pt Hd 5/8	021 11553 000	56	17
82	Screw, Cap 12 Pt Hd 3/8	021 11920 000	14	17
83	Screw, Cap 12 Pt Head 3/8	021 17553 000	1	21
84	Screw, Cap 12 Pt Hd 3/8	021 17618 000	1	21
87	Screw, Cap 12 Pt Hd 1/2	021 11926 000	4	20
88	Screw, Cap 12 Pt Hd 1/2	021 11525 000	2	21
89	Screw, Cap 12 Pt Hd 1/2	021 12165 000	6	22
90	Screw, Cap 12 Pt Hd 1/2	021 31600 000	2	20
91	Hhcs, 0.250-20 X 1.500 Gr 5 BI	021 13223 000	2	21
93	Screw, Cap Flat Soc Hd 3/8	021 13856 000	2	18
94	Screw, Set Hex Soc Cup Pt	021 00774 000	1	18
†95	O-Ring, Neop 00.468id .078thk M	028 12961 003	11	17
†96	O-Ring, Neop 00.924id .116thk M	028 12961 006	1	17
†97	O-Ring, Neo1 00.301id .070thk M	028 12513 000	3	17
†98	O-Ring, Neop 00.755id .097thk M	028 12961 005	2	20
†99	O-Ring, Neo1 27.560id .139thk S	028 15565 000	1	21
†100	O-Ring, Hnbr 40.690id .139thk S	028 15444 000	1	22

* Included in Bearing Kit

† Included in O-Ring Kit

K3 COMPRESSOR

TABLE 11 - K3 COMPRESSOR (CON'T)

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
†101	O-Ring, Hnbr 44.050id .275thk M	028 15443 000	1	22
†102	O-Ring, Neo1 02.112id .103thk M	028 15432 000	2	19
†103	O-Ring, Hnbr 06.737id .103thk M	028 15446 000	1	19
†104	O-Ring, Neo1 01.109id .139thk M	028 12200 000	4	19, 20
†105	O-Ring, Neop 02.234id .139thk M	028 03803 000	2	20
†106	O-Ring, Neop 05.609id .139thk M	028 12258 000	1	17
†107	O-Ring, Neo1 08.234id .139thk M	028 15078 000	1	20
†108	O-Ring, Neop 10.484id .139thk M	028 12226 000	1	18
†109	O-Ring, Neop 00.351id .072thk M	028 12961 001	3	17
†110	O-Ring, Neop 00.644id .087thk M	028 12961 004	2	17
†111	O-Ring, Neop 01.171id .116thk M	028 12961 008	2	17
†112	O-Ring, Hnbr 00.424id .103thk M	028 15428 000	1	17
†113	O-Ring, Neop 00.301id .064thk M	028 12961 021	1	17
114	Seal, Double Shaft	029 24762 000	1	17
†115	O-Ring, Neo1 05.859id .139thk M	028 12204 000	1	17
119	Shaft, Control VGD (prior 6/2013)	364 51673 000	2	20, 21
	Shaft, Control VGD (after 6/2013)	064 53745 000		
120	Sleeve, Flare Hydraulic 1/4 Od	023 10000 000	1	17
121	Spacer, .50 Lg X .33 Id X .63od	064 50611 000	2	20
122	Spacer, Flanged, PRV & VGD	064 50612 000	4	20
123	Tube, Gear Cooling	064 51248 000	1	*
124	Tube, L.S. Oil Drain	064 51222 000	1	18
125	Tube, Oil Drain Shaft Seal	064 51637 000	1	18
126	Tube, Oil Drain H.S. Thrust	064 51638 000	1	*
127	Valve, Check Oil 1/8 Npte	022 04444 000	1	18
128	Valve, Stop Ang Vertical	022 09578 000	1	17
129	Washer, Eye Spring K3	064 51779 000	1	22
130	Washer, Plain Hardened	021 17264 000	4	20
131	Washer, Plain 13/32 Id X 13/16	021 01274 000	2	18
132	Washer, Spring Ha 104 Balance	064 50240 000	1	22
133	Wiring Kit, PRV Motor Actuator	375 49340 103	2	20
133A	PRV Motor Actuator	025 29657 001	2	20
193	Device, PRV K3	364 51772 000	1	22
300	Compressor, Large Parts K3	164 51795 300	1	19
300A	Support, Rotor W/ Bearing Housing	364 51498 000	1	19
300B	Scroll ,Rotor K3	064 51768 000	1	19
300C	Plate, Diffuser K3	064 51627 000	1	19
301	Plate, Nozzle Base K3 VGD	064 51773 000	1	22
302	Device, VGD K3 (prior 3/2012)	364 51776 000	1	*
	Device, VGD K3 (after 3/2012)	364 53218 000	1	*

* Included in Bearing Kit

† Included in O-Ring Kit

K3

K3 COMPRESSOR

TABLE 12 - K3 COMPRESSOR BEARING KIT

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	Compressor Bearing Kit	364 53064 000	1	-
*4	Bearing, H.S. Front K3-4	064 51782 000	1	19
*7	Bearing, L.S. Front	064 47857 000	1	19
*8	Bearing L.S. Thrust	029 24757 000	1	19
*9	Bearing, L.S. Rear	064 47858 000	1	18
*3,5,13	Kit H.S. Forward Thrust	364 53001 000	1	18
*15	Collar, L.S. Thrust	064 52066 000	1	19
*70	Screw, Cap Hex Soc Hd, 1/4	031 29501 000	1	18

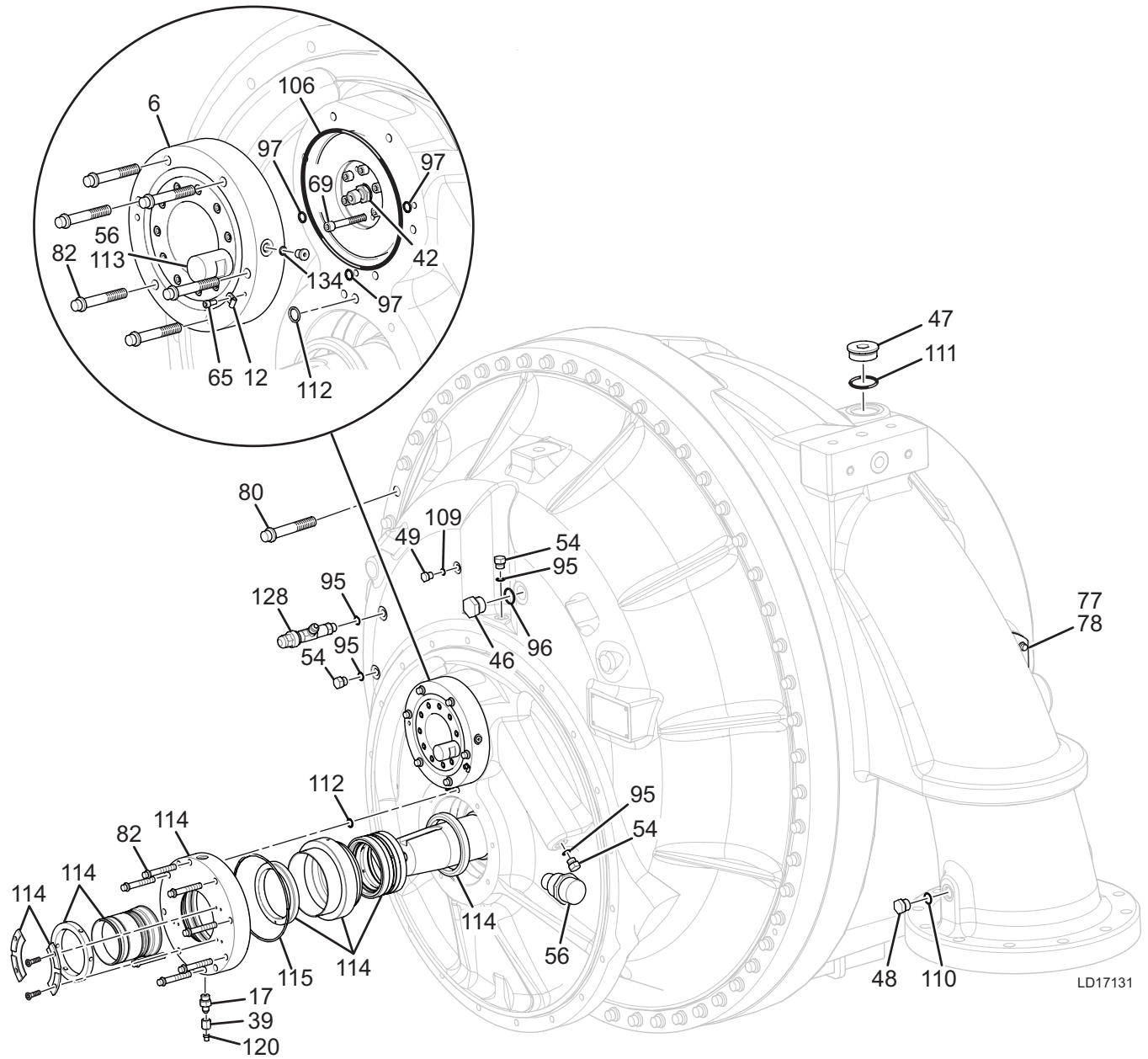
NOTE:* Included in Bearing Kit

TABLE 13 - K3 COMPRESSOR O-RING KIT

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	Compressor O-Ring Kit	464 52065 000	1	-
†95	O-Ring, Neop 00.468id .078thk M	028 12961 003	11	17
†96	O-Ring, Neop 00.924id .116thk M	028 12961 006	1	17
†97	O-Ring, Neo1 00.301id .070thk M	028 12513 000	3	17
†98	O-Ring, Neop 00.755id .097thk M	028 12961 005	2	20
†99	O-Ring, Neo1 27.560id .139thk S	028 15565 000	1	21
†100	O-Ring, Hnbr 40.690id .139thk S	028 15444 000	1	22
†101	O-Ring, Hnbr 44.050id .275thk M	028 15443 000	1	22
†102	O-Ring, Neo1 02.112id .103thk M	028 15432 000	2	19
†103	O-Ring, Hnbr 06.737id .103thk M	028 15446 000	1	19
†104	O-Ring, Neo1 01.109id .139thk M	028 12200 000	4	19, 20
†105	O-Ring, Neop 02.234id .139thk M	028 03803 000	2	20
†106	O-Ring, Neop 05.609id .139thk M	028 12258 000	1	17
†107	O-Ring, Neo1 08.234id .139thk M	028 15078 000	1	20
†108	O-Ring, Neop 10.484id .139thk M	028 12226 000	1	18
†109	O-Ring, Neop 00.351id .072thk M	028 12961 001	3	17
†110	O-Ring, Neop 00.644id .087thk M	028 12961 004	2	17
†111	O-Ring, Neop 01.171id .116thk M	028 12961 008	2	17
†112	O-Ring, Hnbr 00.424id .103thk M	028 15428 000	1	17
†113	O-Ring, Neop 00.301id .064thk M	028 12961 021	1	17
†115	O-Ring, Neo1 05.859id .139thk M	028 12204 000	1	17

† Included in O-Ring Kit

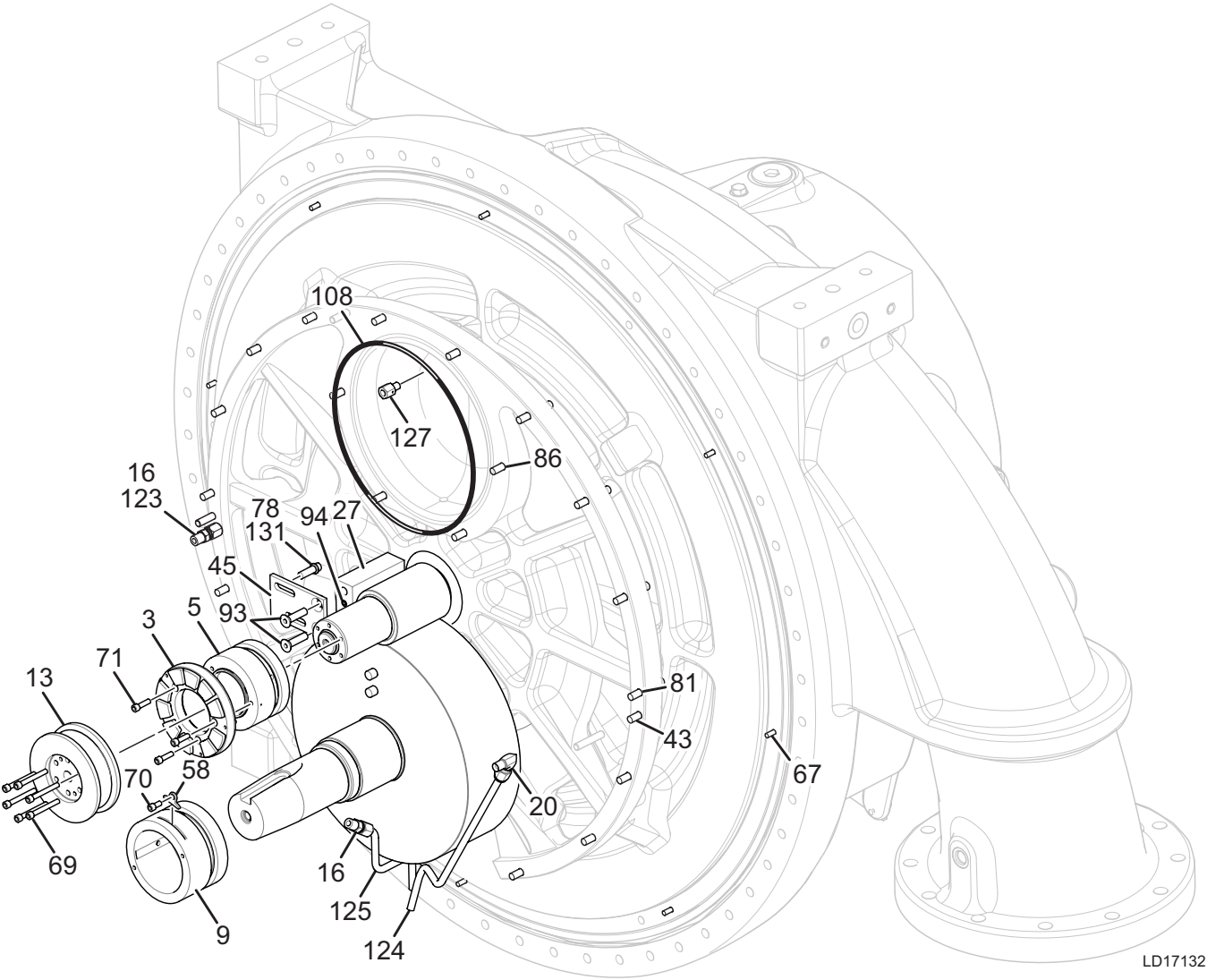
K3 COMPRESSOR



K3

FIGURE 17 - K3 COMPRESSOR

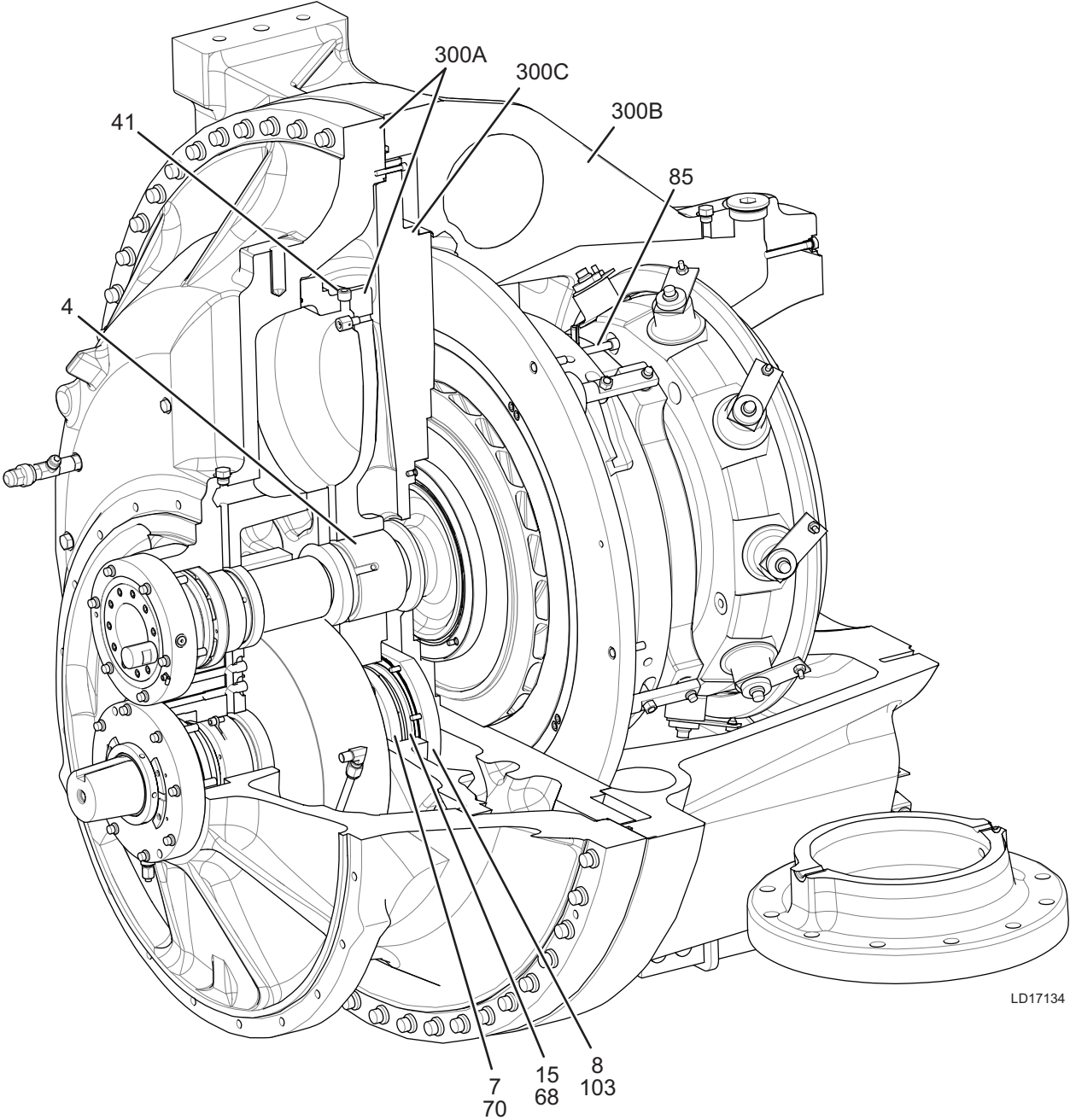
K3 COMPRESSOR



LD17132

FIGURE 18 - K3 COMPRESSOR

K3 COMPRESSOR

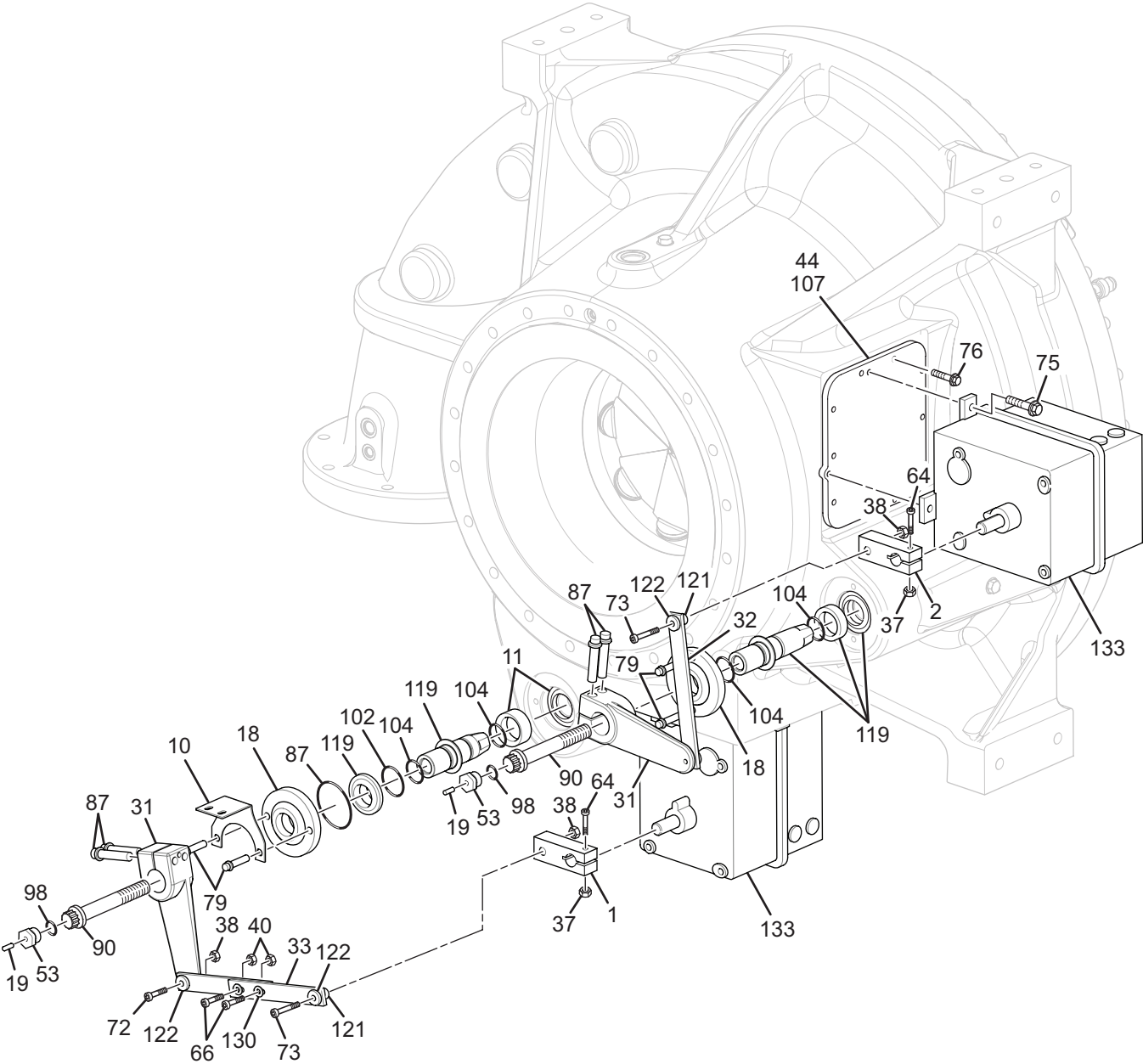


K3

LD17134

FIGURE 19 - K3 COMPRESSOR

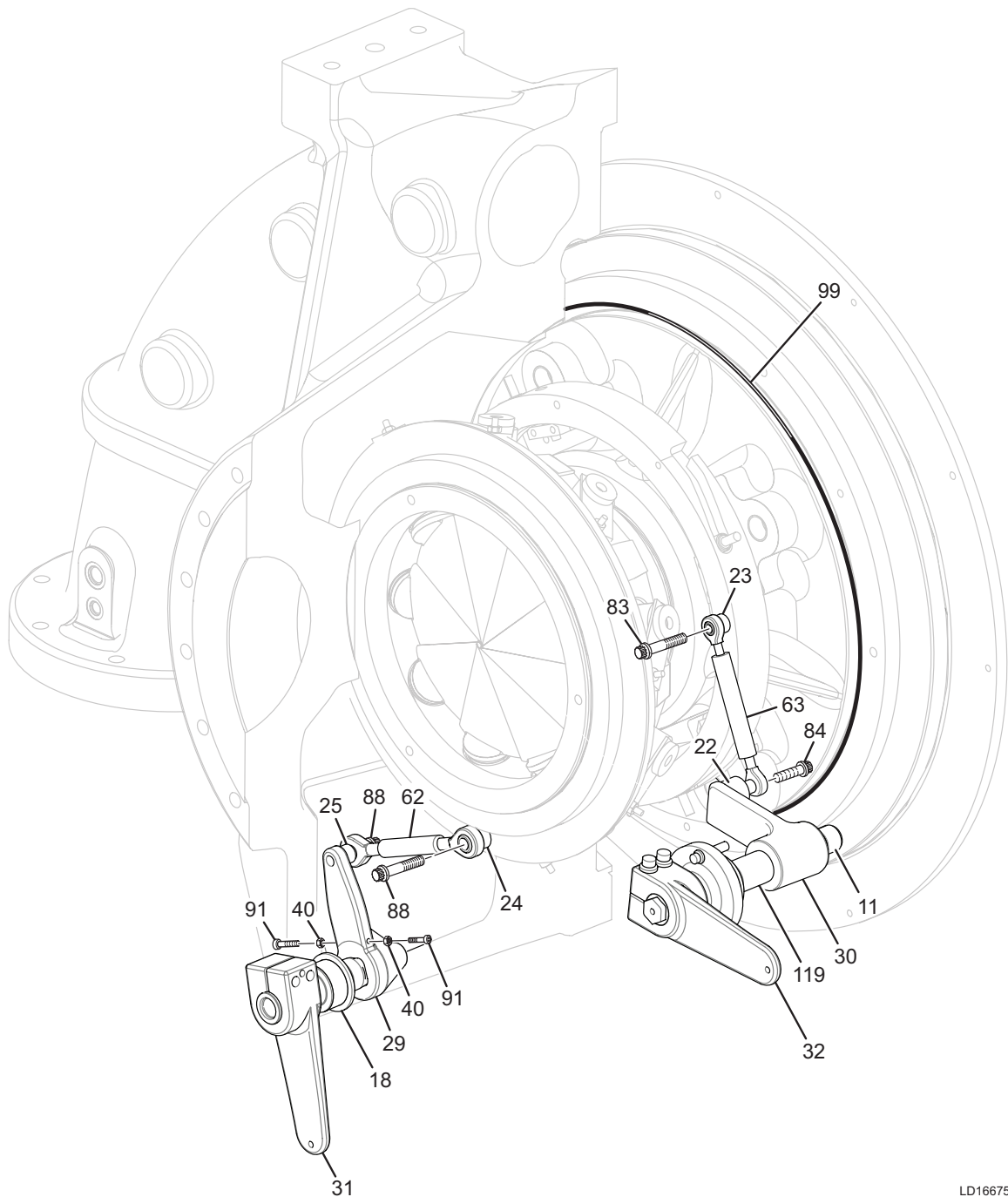
K3 COMPRESSOR



LD16672b

FIGURE 20 - K3 COMPRESSOR

K3 COMPRESSOR

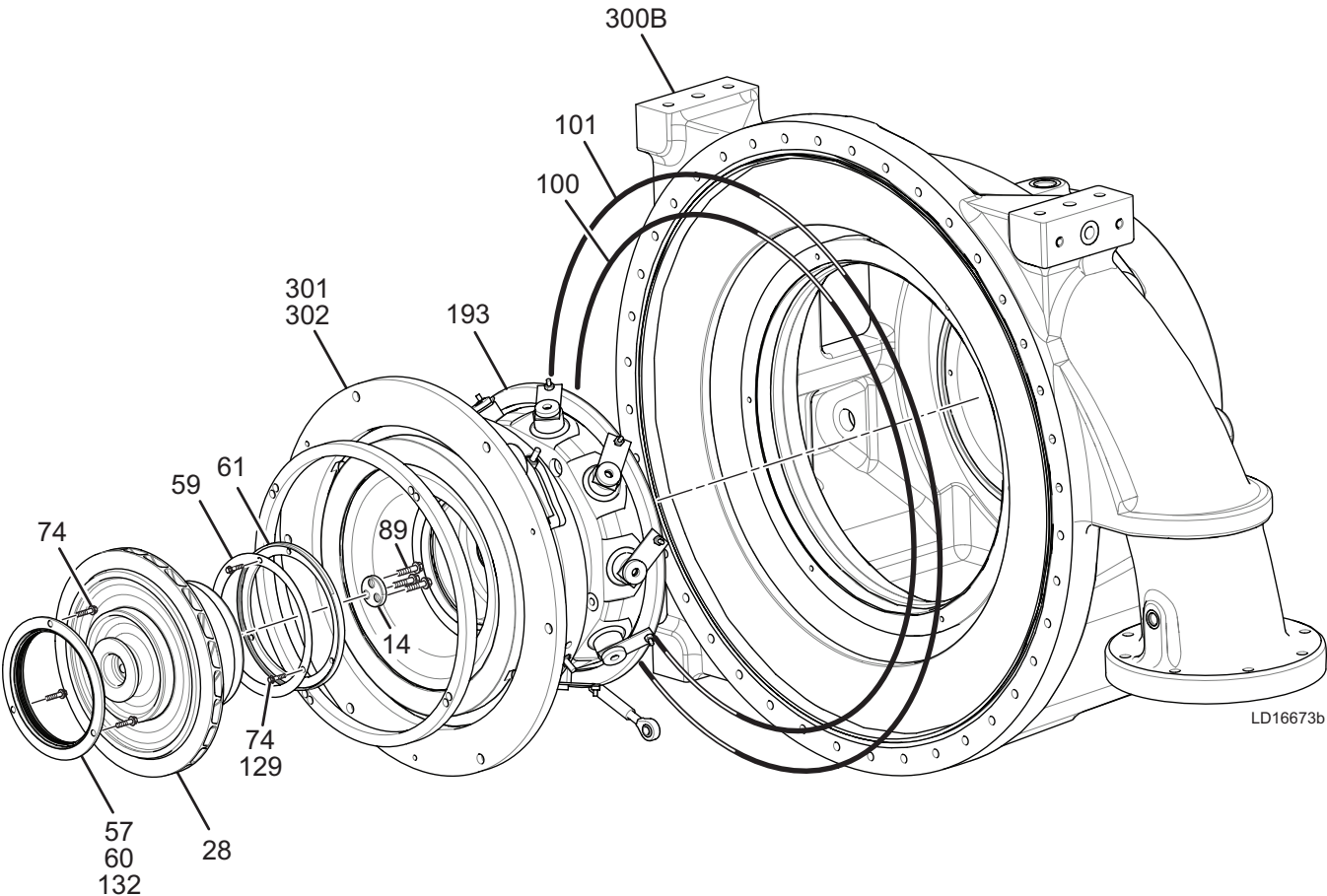


K3

LD16675c

FIGURE 21 - K3 COMPRESSOR

K3 COMPRESSOR



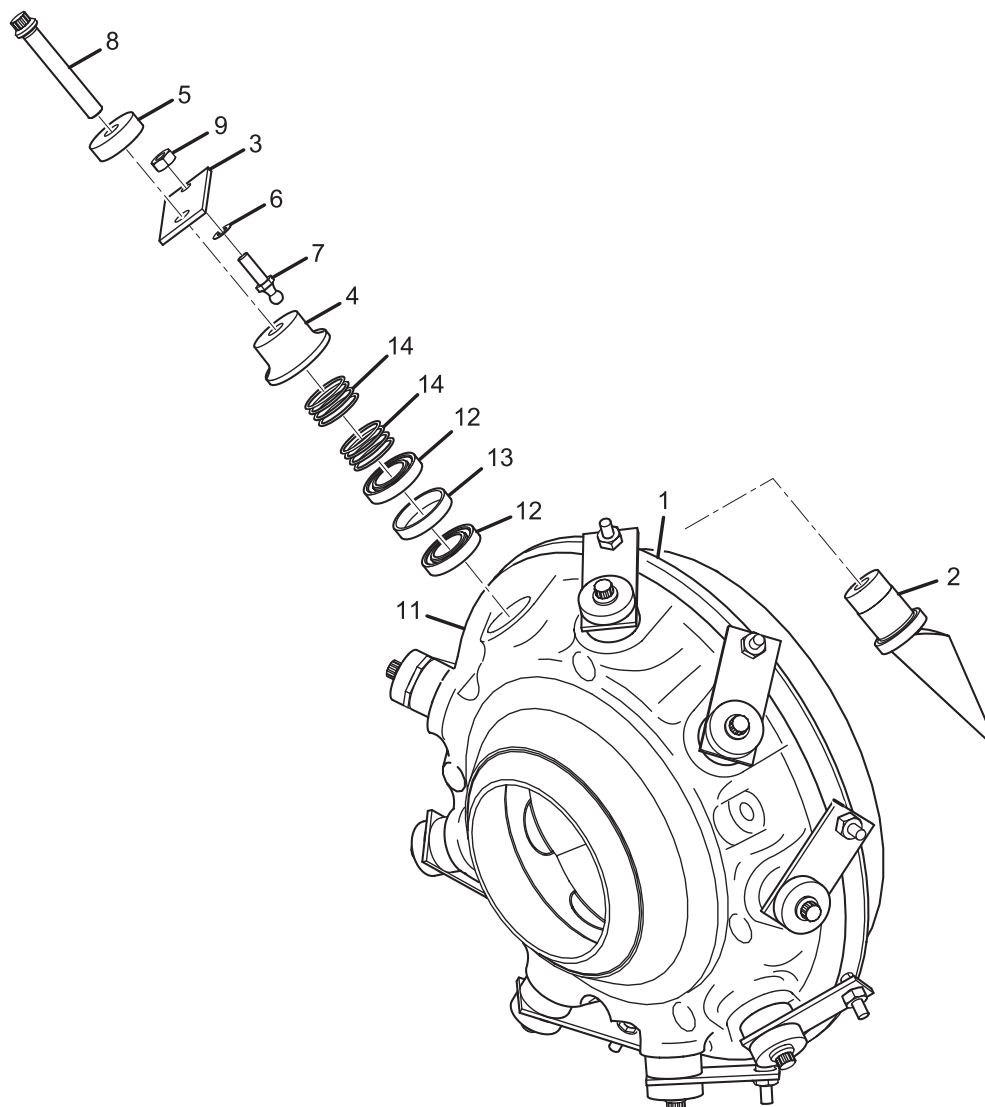
LD16673b

FIGURE 22 - K3 COMPRESSOR

K3 COMPRESSOR

TABLE 14 - PRE-ROTATION DEVICE (K3)

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	Device, PRV K3	364 51772 000	1	23
1	Ring, Vane Driving K3-4	064 51771 000	1	23
2	Vane, Pre-Rotation K3-4 (prior 2/2012)	064 51769 000	9	23
	Vane, Pre-Rotation K3-4 (after 2/2012)	029 23612 000	9	23
3	Arm, PRV	064 47508 000	9	23
4	Spacer, PRV Arm K3-4	064 51652 000	9	23
5	Washer, Special PRV	064 47516 000	9	23
6	Washer, Plain 17/64 ID 1/2	021 11973 000	18	23
7	Stud, Ball 1/4-28 Unf	029 15924 000	9	23
8	Screw, Cap 12pt Hd 1/2	021 11515 000	9	23
9	Nut, Selflock 1/4-28 Unf	021 12943 000	9	23
11	Housing, PRV K3	064 51770 000	1	23
12	Bearing, Ball Deep Groove	029 25085 000	18	23
13	Spacer	064 51646 000	9	23
14	Spring, Overlap Type Wave	029 25086 000	18	23



K3

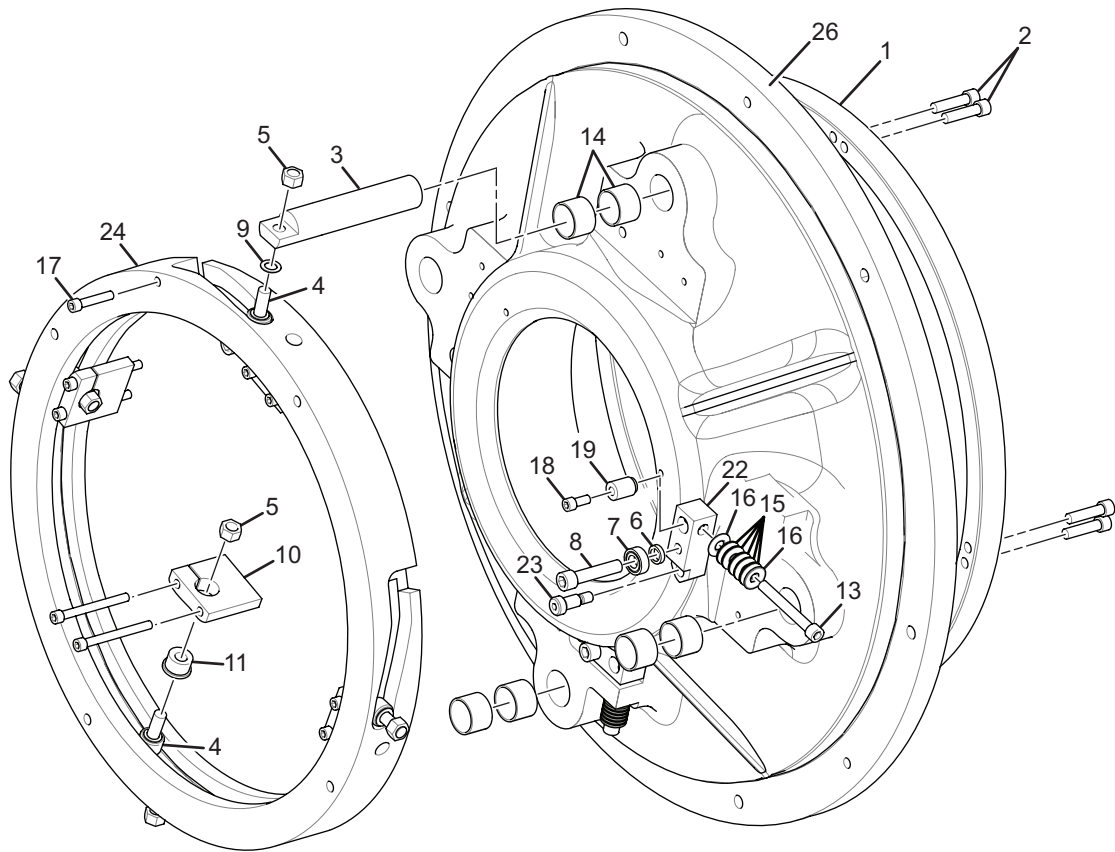
LD12820

FIGURE 23 - PRE-ROTATION DEVICE (K3)

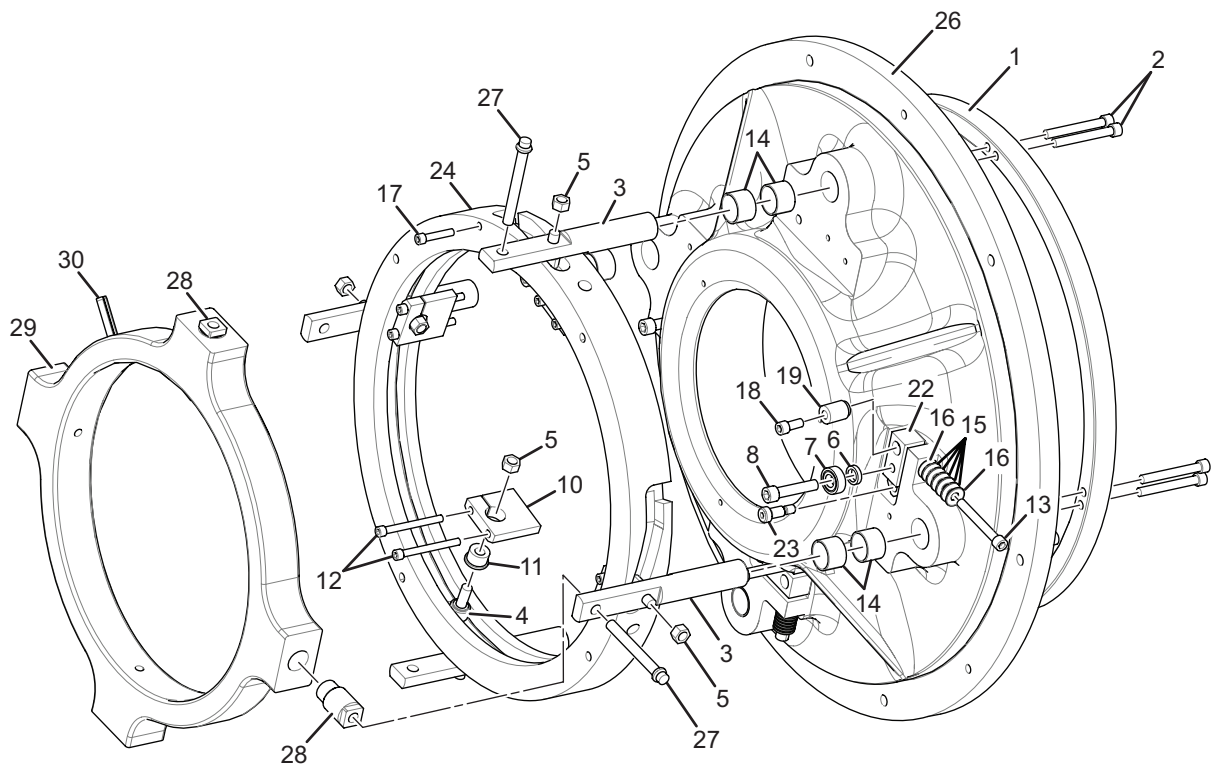
K3 COMPRESSOR**TABLE 15 - VARIABLE GEOMETRY DIFFUSER (VGD) MODEL K3**

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	Device, VGD K3 (prior 3/2012)	364 51776 000	-	24
-	Device, VGD K3 (after 3/2012)	364 53218 000	-	24
1	Ring, VGD Diffuser K3	064 51775 000	1	24
2	Screw, Cap Hex Soc Hd 5/16	021 31527 000	8	24
3	Pin, Drive (prior 3/2012)	064 50470 000	4	24
	Pin, Drive (after 3/2012)	064 53220 000	4	24
4	Bearing, McGill Cf-3/4-B	029 24103 000	8	24
5	Nut, Hex 3/8 - 24 Unf-2b	021 00474 000	8	24
6	Spacer, VGD	064 50758 000	4	24
7	Bearing, McGill Cyr 1 3/8	029 24104 000	4	24
8	Screw, Cap Hex Soc Hd 3/8	021 01508 000	4	24
9	Washer, Plain .384 Id X 5/8 Od	021 31155 000	4	24
10	Support, Axial Bearing	064 51714 000	4	24
11	Bushing, Eccentric	064 51713 000	4	24
12	Screw, Cap Hex Soc Hd	021 19223 000	8	24
13	Screw, Cap Hex Soc Hd 5/16	021 31326 000	2	24
14	Bushing, Garlock 16du12	029 24100 000	8	24
15	Washer, Conical Disk	021 31324 000	24	24
16	Washer, Plain Hardened 3/8 Id	021 31323 000	4	24
17	Screw, Cap Hex Soc Hd 1/4	021 02578 000	1	24
18	Screw, Set Hex Socket 1/4	021 31328 000	2	24
19	Pin, Tensioner VGD Drive Ring	064 50830 000	2	24
22	Block, Tensioner Drive Ring	064 50824 000	2	24
23	Screw, Shoulder Soc Hd 5/16	021 31322 000	2	24
24	Ring, VGD Drive	064 51774 000	1	24
27	Screw, Cap 12 Pt Hd 3/8 (after 2/2012)	021 11941 000	4	24
26	Plate, Nozzle Base K3 (after 2/2012)	064 51773 000	1	24
28	Insert, VGD Ring (after 2/2012)	064 53106 000	1	24
29	Ring, Stabilizing (after 3/2012)	064 53221 000	1	24
30	Pin, Slot Spg 3/8 x 1-3/8 (after 3/2012)	029 08499 000	1	24

K3 COMPRESSOR



364 51776 000



364 53218 000

LD16674b

FIGURE 24 - VARIABLE GEOMETRY DIFFUSER (K3)

K4 COMPRESSOR**TABLE 16 - K4 COMPRESSOR**

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
1	Arm, PRV Motor	064 50614 000	1	28
2	Arm, Motor (prior 3/2012)	064 51401 000	1	28
	Arm, Motor (after 3/2012)	064 53339 000	1	28
*3	Bearing, H.S. Forward Thrust K3-4	029 25837 000	1	26
*4	Bearing, H.S. Front K3-4	064 51782 000	1	27
*5	Bearing, H.S. Rear K3-4	064 52719 000	1	26
*6	Bearing, H.S. Reverse Thrust K3-4	029 24758 000	1	25
*7	Bearing, L.S. Front	064 47857 000	1	27
8	Bearing, L.S. Thrust	029 24757 000	1	27
*9	Bearing, L.S. Rear	064 47858 000	1	26
10	Bracket, Support Lower PRV	064 48851 000	1	28
11	Bushing, Garlock 16du12	029 24100 000	2	28, 29
12	Clamp, Tube 1/8 Od	023 06163 000	1	25
*13	Collar, H.S. Thrust K3-4	064 52718 000	1	26
14	Collar, Impeller Clamping	064 47853 000	1	30
15	Collar, L.S. Thrust	064 51492 000	1	27
16	Connr, Cinch 3/8 Tube X	023 06801 000	3	26
17	Connr, Fla M X M 1/4 Od Fla	023 23367 000	1	25
18	Cover, Shaft Control (prior 6/2013)	064 51671 000	2	28, 29
	Cover, Shaft Control (after 6/2013)	064 52347 000		
19	Dowel, Pin Str	029 24130 000	2	28
20	Elbow, Cinch 3/8 Tube X	023 22141 000	2	26
22	Fillpiece, Prerot Device	064 10821 000	1	29
23	Fillpiece, Pre-Rotation Device	064 50765 000	1	29
24	Fillpiece, PRV Linkage	064 47727 000	1	29
25	Fillpiece, PRV Device	064 51523 000	1	29
27	Header, Spray	064 47999 000	1	26
28	Impeller, 10.631 Eye Diameter K4	064 51730 001	1	30
29	Lever, Internal	064 51653 000	1	29
30	Lever, Internal VGD	064 51216 000	1	29
31	Lever, PRV External	064 51703 000	2	28, 29
32	Link, External VGD	064 50723 000	1	28, 29
33	Link, Ext PRV & Mot Tk131	064 46880 000	2	28
37	Nut, Hex Mach Scr #10 - 32	021 08670 000	2	28
38	Nut, Hex 5/16 - 18unc-2b	021 02523 000	4	28
39	Nut, Flare Hydraulic 1/4 Od	023 09670 000	1	25
40	Nut, Hex 1/4 - 20 Unc-2b	021 00450 000	4	28, 29
41	Orifice, Pipe Plug Yk Compr	064 51852 000	1	27
42	Orifice, H.S. Oil Feed H	064 49203 000	1	25
43	Pin, Dowel Tapped 3/8 Dia	029 18459 000	3	26
44	Plate, Cover Handhole	064 50139 000	1	28
45	Plate, Mtg Ha50-73	064 47998 000	1	26
46	Plug, Hex Hd 1-1/16	023 18295 000	1	25
47	Plug, Hex Hd 1-5/16	023 18926 000	2	25

* Included in Bearing Kit

† Included in O-Ring Kit

K4 COMPRESSOR

TABLE 16 - K4 COMPRESSOR (CON'T)

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
48	Plug, Hex Hd 3/4	023 18280 000	2	25
49	Plug, Hex Hd 7/16	023 18279 000	2	25
53	Plug, PRV Assembly	064 50632 000	2	28
54	Plug, Hex Hd 9/16	023 18962 000	9	25
56	Probe, Proximity	025 40496 000	1	25
57	Retainer, B.P. Seal Washer	064 51510 000	1	30
58	Retainer, Bearing S Stage Turbo	064 46886 000	2	26
59	Retainer, Eye Seal K4	064 51827 000	1	30
60	Ring, Bal.Pist. Seal (prior 11/2010)	064 51509 000	1	30
	Ring, Bal.Pist. Seal (after 11/2010)	064 52956 000	1	30
61	Ring, Eye Seal K4	064 51826 000	1	30
62	Rod, Adjustable PRV & VGD	364 51754 731	1	29
63	Rod, Adjustable PRV & VGD	364 51753 681	1	29
64	Screw, Cap Hex Soc Hd #10	021 31829 000	2	28
65	Screw, Cap Hex Soc Hd #8	021 19153 000	1	25
66	Screw, Cap Hex Soc Hd 1/4	021 29576 000	10	28
67	Screw, Cap Hex Soc Hd 1/4	021 18994 000	8	26
68	Screw, Cap Hex Soc Hd 1/4	021 02578 000	4	27
69	Screw, Cap Hex Soc Hd 1/4	021 12643 000	6	26
*70	Screw, Cap Hex Soc Hd 1/4	021 29501 000	3	26, 27
71	Screw, Cap Hex Soc Hd 1/4	021 08993 000	3	26
72	Screw, Cap Hex Soc Hd 5/16	021 01435 000	2	28
73	Screw, Cap Hex Soc Hd 5/16	021 16173 000	2	28
74	Screw, Shoulder Soc Hd	021 17557 000	6	30
75	Screw, Cap 12 Pt Hd 3/8	021 11139 000	6	28
76	Screw, Cap 12 Pt Hd 3/8	021 11141 000	10	28
78	Screw, Cap 12 Pt Hd 3/8	021 11149 000	2	26
77	Gasket, Round 5" Od	028 15789 000	1	25
78	Screw, Cap 12 Pt Hd 3/8	021 11149 000	6	25
79	Screw, Cap 12 Pt Hd 3/8-16x1-1/	021 11175 000	10	28
80	Screw, Cap 12 Pt Hd 5/8	021 11553 000	56	25
81	Screw, Cap 12 Pt Hd 3/8	021 11917 000	16	26
82	Screw, Cap 12 Pt Hd 3/8	021 11920 000	14	25
83	Screw, Cap 12 Pt Head 3/8	021 17553 000	1	29
84	Screw, Cap 12 Pt Hd 3/8	021 17618 000	1	29
85	Screw, Cap 12 Pt Hd 3/8	021 18808 000	3	27
86	Screw, Cap 12 Pt Hd 3/8	021 18788 000	4	26
87	Screw, Cap 12 Pt Hd 1/2	021 11926 000	4	28
88	Screw, Cap 12 Pt Hd 1/2	021 11525 000	2	29
89	Screw, Cap 12 Pt Hd 1/2	021 12165 000	6	30
90	Screw, Cap 12 Pt Hd 1/2	021 31600 000	2	28
91	Hhcs, 0.250-20 X 1.500 Gr 5 BI	021 13223 000	2	29
93	Screw, Cap Flat Soc Hd 3/8	021 13856 000	2	26
94	Screw, Set Hex Soc Cup Pt	021 00774 000	1	26

* Included in Bearing Kit

† Included in O-Ring Kit

K4 COMPRESSOR**TABLE 16 - K4 COMPRESSOR (CON'T)**

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
†95	O-Ring, Neop 00.468id .078thk M	028 12961 003	11	25
†96	O-Ring, Neop 00.924id .116thk M	028 12961 006	1	25
†97	O-Ring, Neo1 00.301id .070thk M	028 12513 000	3	25
†98	O-Ring, Neop 00.755id .097thk M	028 12961 005	2	28
†99	O-Ring, Neo1 31.174id .139thk S	028 15072 000	1	29
†100	O-Ring, Hnbr 40.690id .139thk S	028 15444 000	1	30
†101	O-Ring, Hnbr 44.050id .275thk M	028 15443 000	1	30
†102	O-Ring, Neo1 02.112id .103thk M	028 15432 000	2	28
†103	O-Ring, Hnbr 06.737id .103thk M	028 15446 000	1	27
†104	O-Ring, Neo1 01.109id .139thk M	028 12200 000	4	28
†105	O-Ring, Neop 02.234id .139thk M	028 03803 000	2	28
†106	O-Ring, Neop 05.609id .139thk M	028 12258 000	1	25
†107	O-Ring, Neo1 08.234id .139thk M	028 15078 000	1	28
†108	O-Ring, Neop 10.484id .139thk M	028 12226 000	1	26
†109	O-Ring, Neop 00.351id .072thk M	028 12961 001	3	25
†110	O-Ring, Neop 00.644id .087thk M	028 12961 004	2	25
†111	O-Ring, Neop 01.171id .116thk M	028 13865 000	1	25
†112	O-Ring, Hnbr 00.424id .103thk M	028 15428 000	1	25
†113	O-Ring, Neop 00.301id .064thk M	028 12961 021	1	25
114	Seal, Double Shaft	029 24762 000	1	25
†115	O-Ring, Neo1 05.859id .139thk M	028 12204 000	1	25
119	Shaft, Contl VGD (prior 6/2013)	364 51673 000	2	28, 29
	Shaft, Contl VGD (after 6/2013)	064 53745 000		
120	Sleeve, Flare Hydraulic 1/4 Od	023 10000 000	1	25
121	Spacer, .50 Lg X .33 Id X .63od	064 50611 000	2	28
122	Spacer, Flanged, PRV & VGD	064 50612 000	4	28
123	Tube, Gear Cooling	064 51248 000	1	26
124	Tube, L.S. Oil Drain	064 51222 000	1	26
125	Tube, Oil Drain Shaft Seal	064 51637 000	1	26
126	Tube, Oil Drain H.S. Thrust	064 51638 000	1	25
127	Valve, Check Oil 1/8 Npte	022 04444 000	1	26
128	Valve, Stop Ang Vertical	022 09578 000	1	25
129	Washer, Eye Spring K4	064 51828 000	1	30
130	Washer, Plain Hardened	021 17264 000	4	28
131	Washer, Plain 13/32 Id X 13/16	021 31323 000	2	26
132	Washer, Spring Balance	064 51511 000	1	30
133	Wiring Kit, PRV Motor Actuator	375 49340 103	2	28
133A	PRV Motor Actuator	025 29657 001	2	28
134	O-ring, HNBR 0.239ID x 0.064Thk	028 15846 000	4	25
193	Device, PRV K4	364 51772 001	1	30
300	Compressor, Large Parts K4	164 52995 300	1	27
300A	Support, Rotor W/Brg Hsg	364 51498 000	1	27
300B	Scroll, Rotor K4	064 52992 000	1	27, 30
300C	Plate, Diffuser K4	064 51820 000	1	27
301	Plate, Nozzle Base K4 VGD	064 51822 000	1	30
302	Device, VGD K4	364 51825 000	1	30

* Included in Bearing Kit

† Included in O-Ring Kit

K4 COMPRESSOR

TABLE 17 - K4 BEARING KIT

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	Compressor Bearing Kit	364 53064 000	1	-
*4	Bearing, H.S. Front K3-4	064 51782 000	1	27
*3,5,13	Kit H.S. Thrust	364 53001 000	1	26
*7	Bearing, L.S. Front	064 47857 000	1	27
*8	Bearing, L.S. Thrust	029 24757 000	1	27
*9	Bearing, L.S. Rear	064 47858 000	1	26
*15	Collar, L.S. Thrust	064 51492 000	1	27
*70	Screw, Cap Hex Soc Hd 1/4	021 29501 000	1	27

* Included in Bearing Kit

TABLE 18 - K4 O-RING KIT

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	K4 Compressor O-Ring Kit	464 52066 000	1	-
†95	O-Ring, Neop 00.468id .078thk M	028 12961 003	11	25
†96	O-Ring, Neop 00.924id .116thk M	028 12961 006	1	25
†97	O-Ring, Neo1 00.301id .070thk M	028 12513 000	3	25
†98	O-Ring, Neop 00.755id .097thk M	028 12961 005	2	28
†99	O-Ring, Neo1 31.174id .139thk S	028 15072 000	1	29
†100	O-Ring, Hnbr 40.690id .139thk S	028 15444 000	1	30
†101	O-Ring, Hnbr 44.050id .275thk M	028 15443 000	1	30
†102	O-Ring, Neo1 02.112id .103thk M	028 15432 000	2	28
†103	O-Ring, Hnbr 06.737id .103thk M	028 15446 000	1	27
†104	O-Ring, Neo1 01.109id .139thk M	028 12200 000	4	28
†105	O-Ring, Neop 02.234id .139thk M	028 03803 000	2	28
†106	O-Ring, Neop 05.609id .139thk M	028 12258 000	1	25
†107	O-Ring, Neo1 08.234id .139thk M	028 15078 000	1	28
†108	O-Ring, Neop 10.484id .139thk M	028 12226 000	1	26
†109	O-Ring, Neop 00.351id .072thk M	028 12961 001	3	25
†110	O-Ring, Neop 00.644id .087thk M	028 12961 004	2	25
†111	O-Ring, Neop 01.171id .116thk M	028 12961 008	2	25
†112	O-Ring, Hnbr 00.424id .103thk M	028 15428 000	1	25
†113	O-Ring, Neop 00.301id .064thk M	028 12961 021	1	25
†115	O-Ring, Neo1 05.859id .139thk M	028 12204 000	1	25

† Included in O-Ring Kit

K4

K4 COMPRESSOR

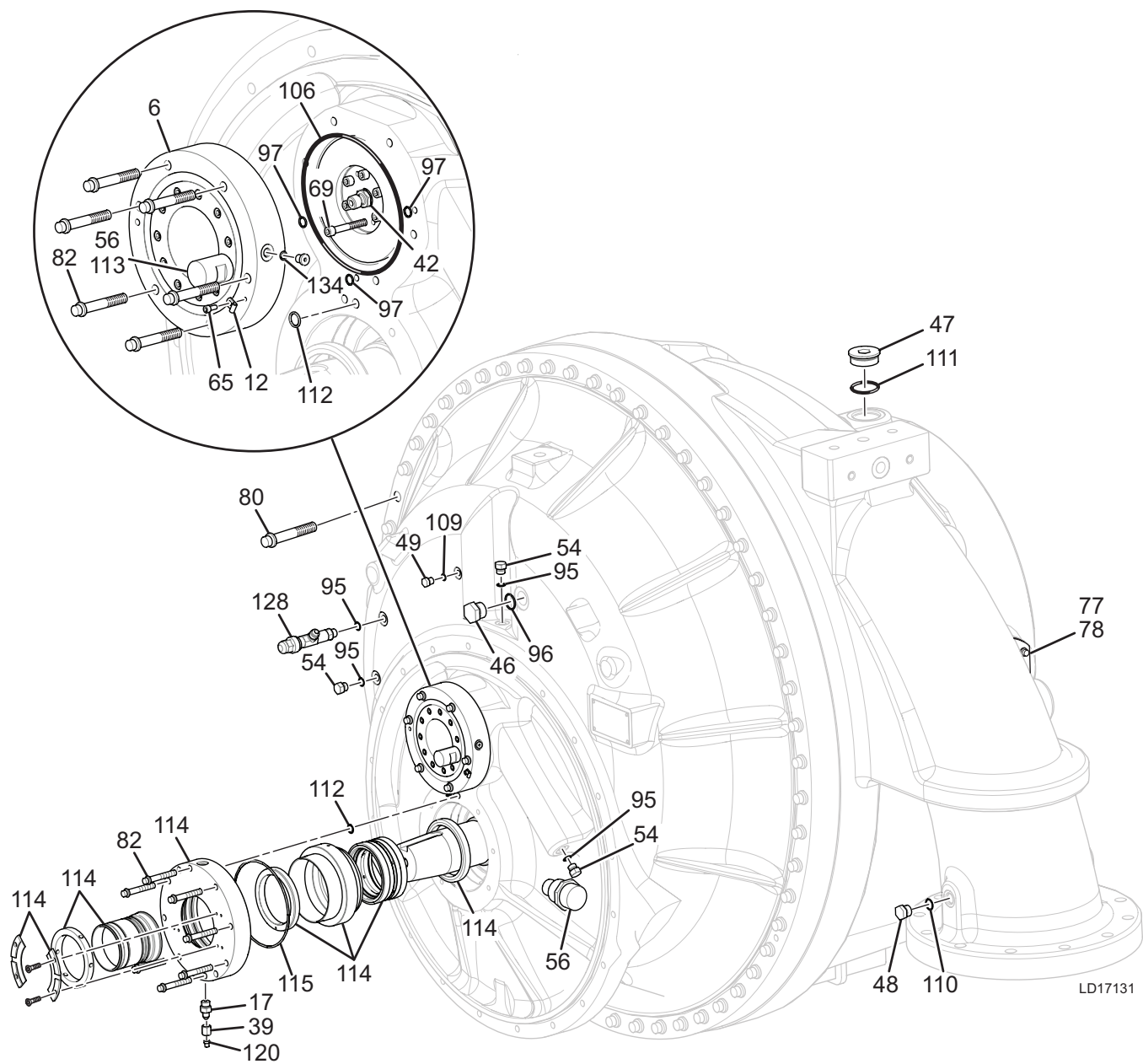
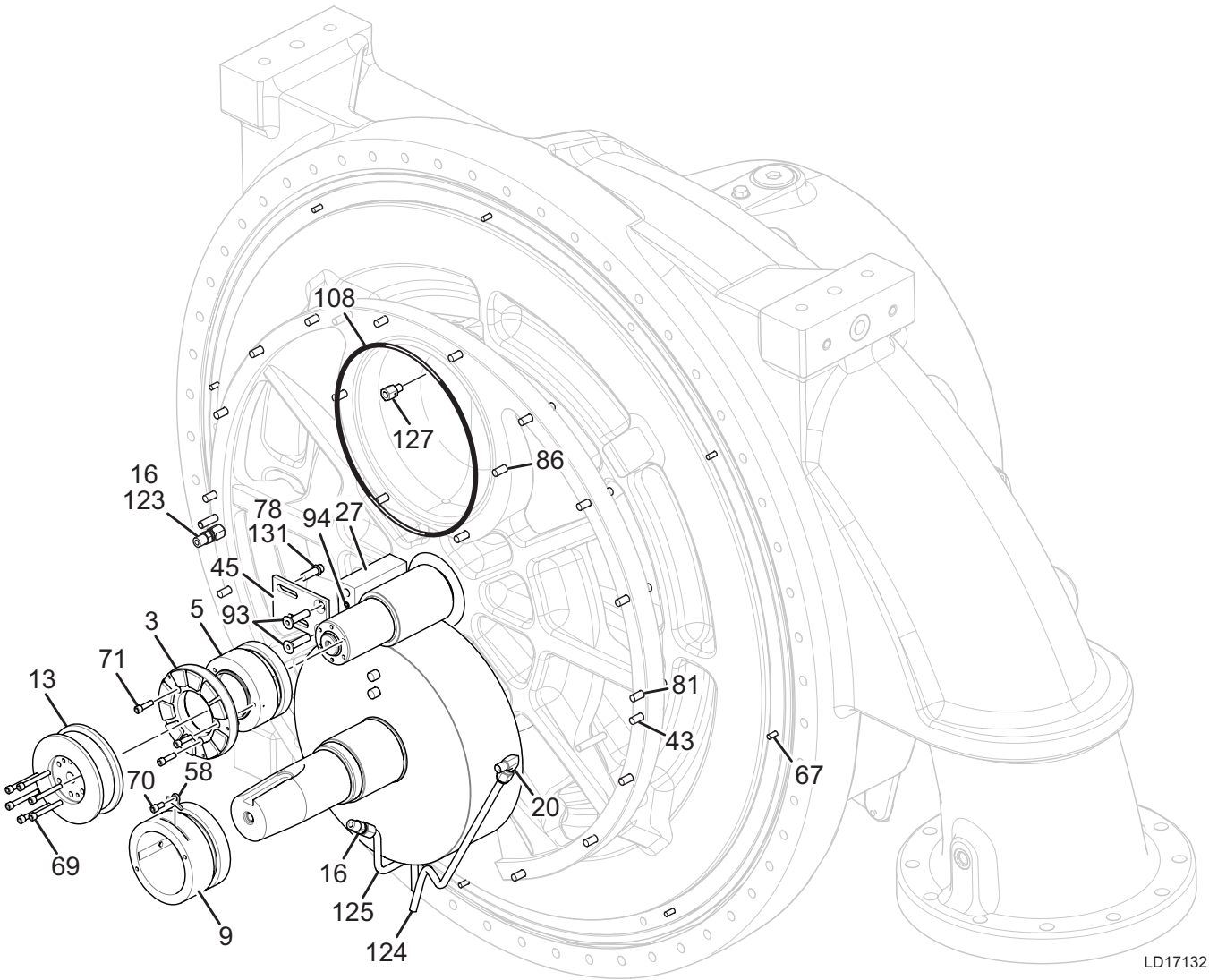


FIGURE 25 - K4 COMPRESSOR

K4 COMPRESSOR



K4

LD17132

FIGURE 26 - K4 COMPRESSOR

K4 COMPRESSOR

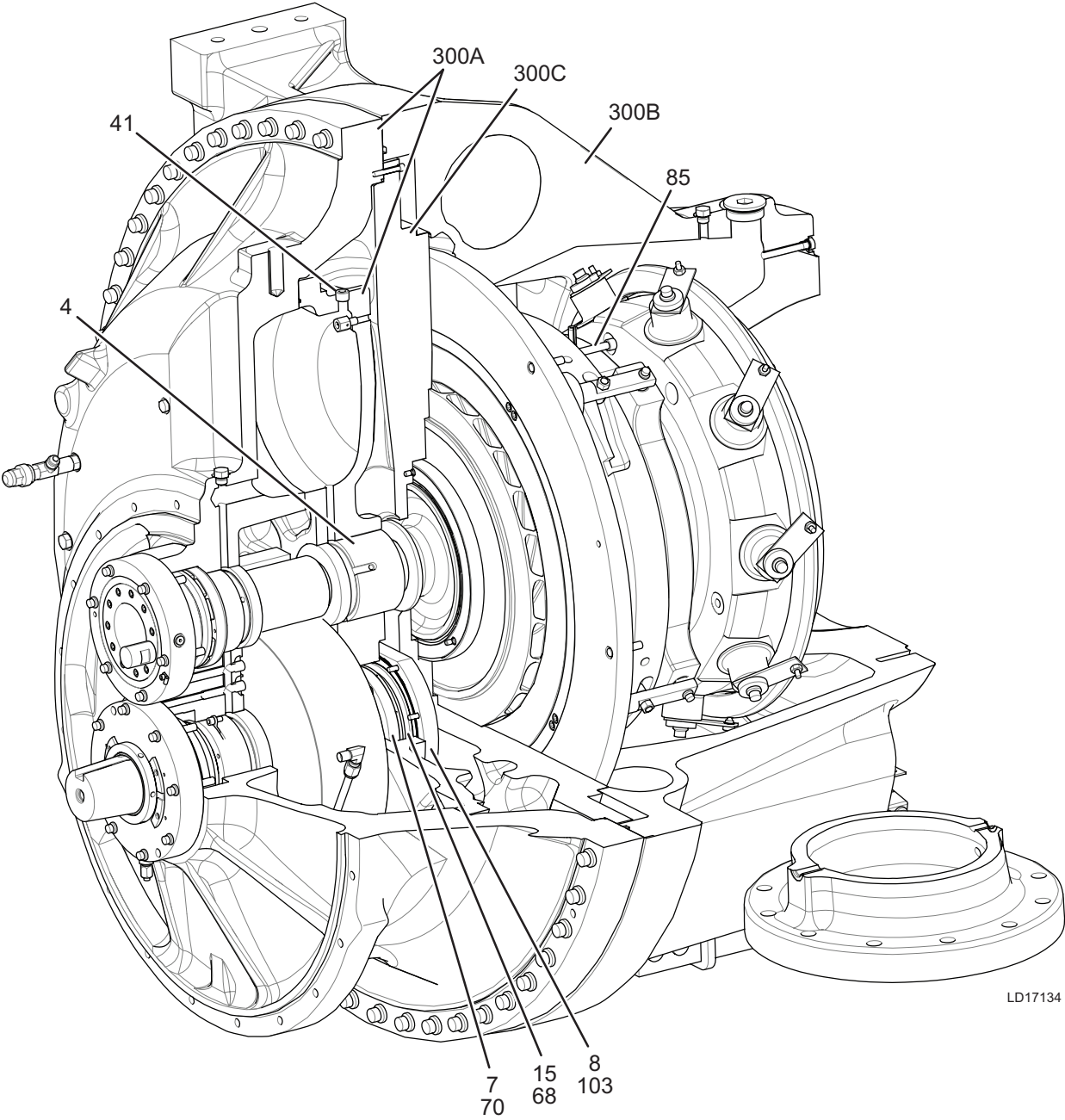
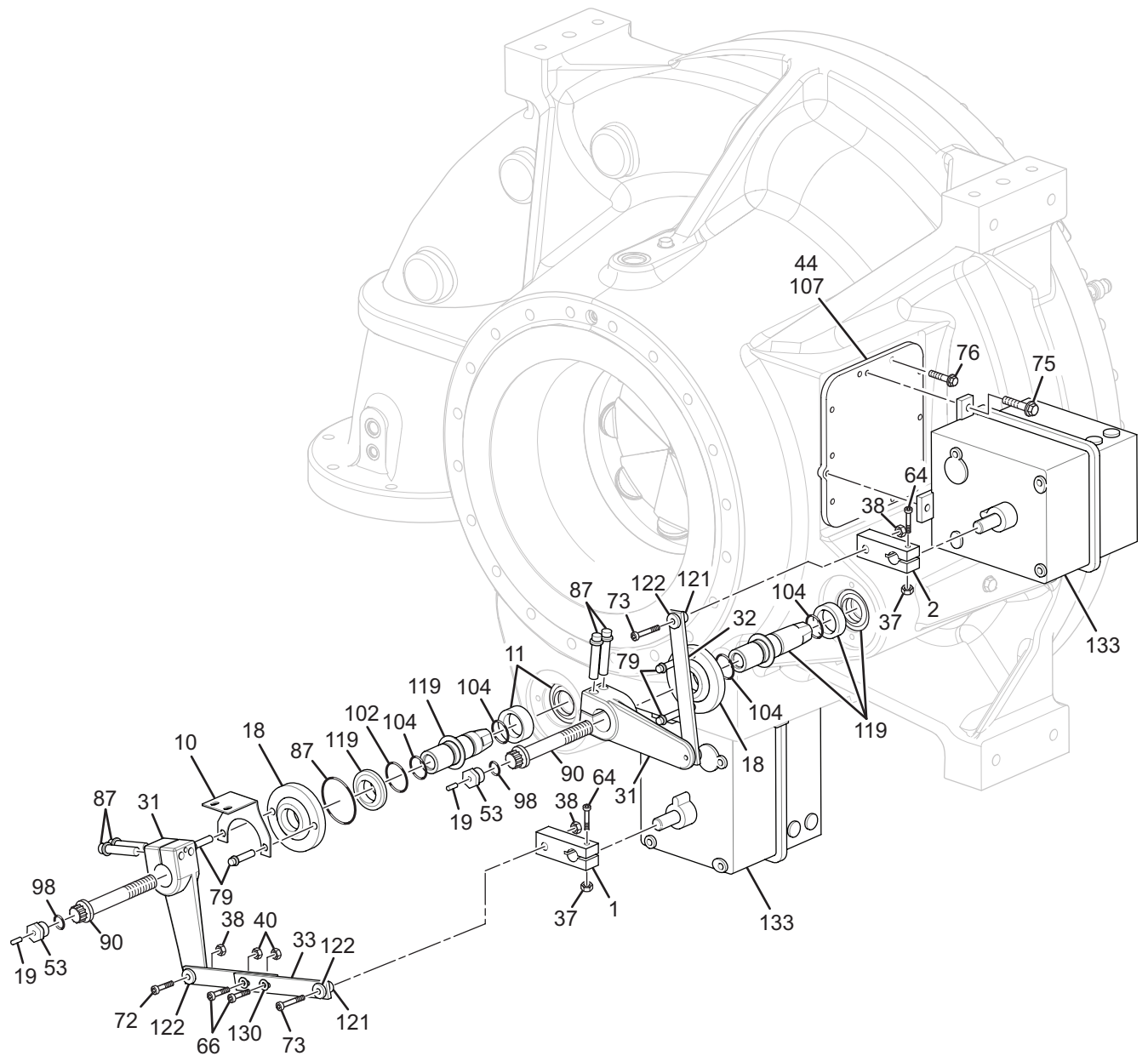


FIGURE 27 - K4 COMPRESSOR

K4 COMPRESSOR

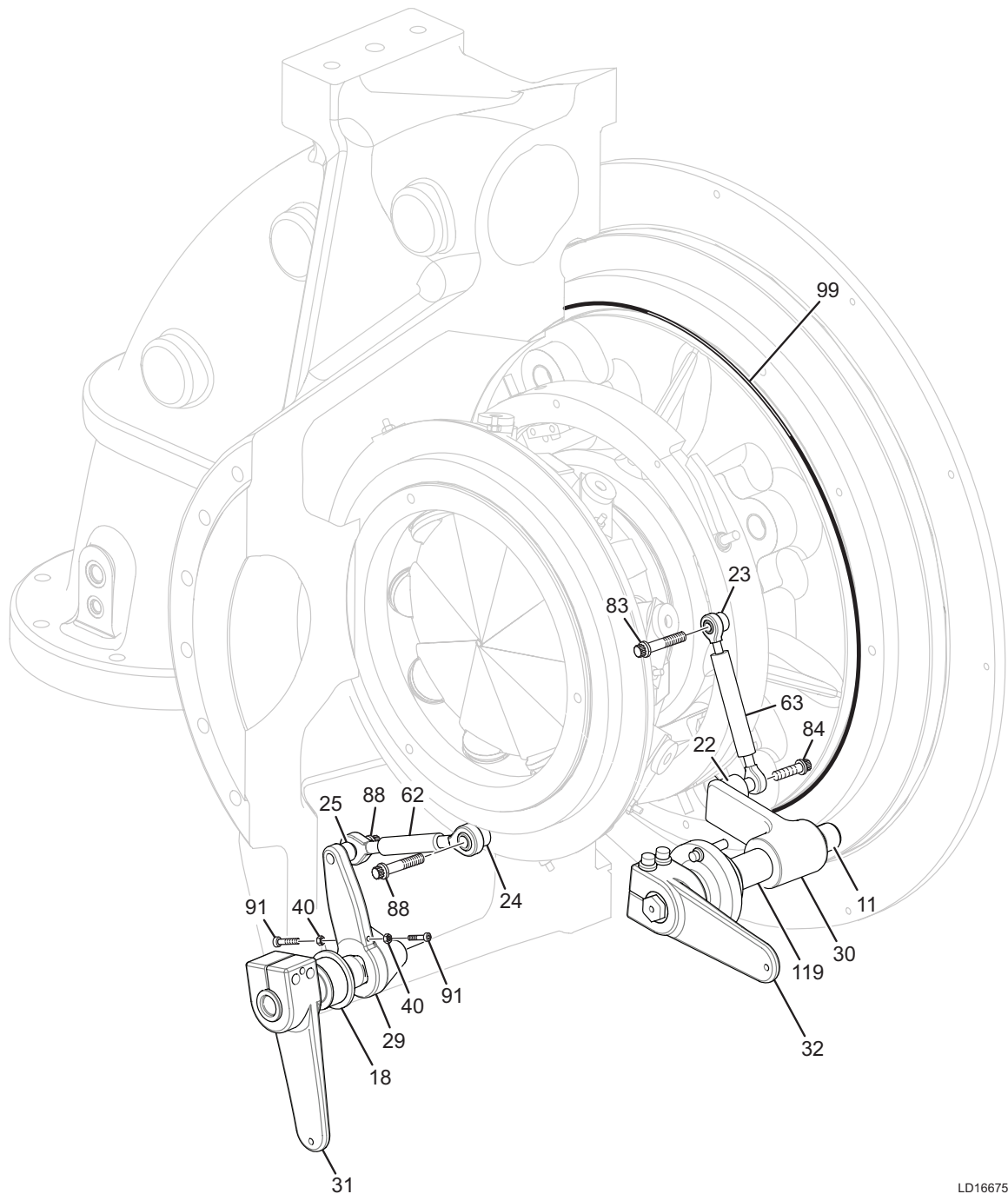


K4

LD16672b

FIGURE 28 - K4 COMPRESSOR

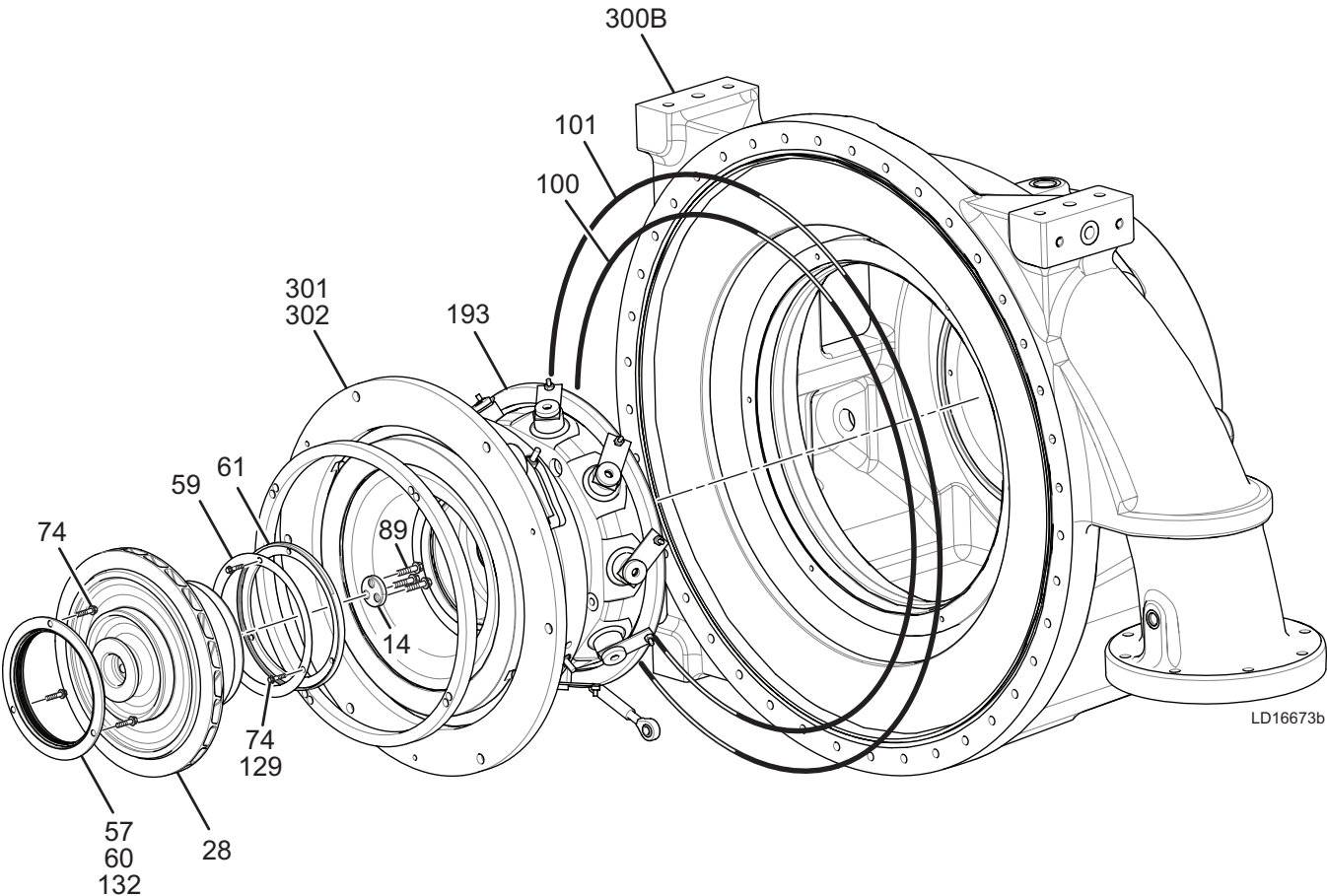
K4 COMPRESSOR



LD16675c

FIGURE 29 - K4 COMPRESSOR

K4 COMPRESSOR



K4

FIGURE 30 - K4 COMPRESSOR

K4 COMPRESSOR

TABLE 19 - PRE-ROTATION DEVICE K4

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	Device, PRV K4	364 51772 001	1	31
1	Ring, Vane Driving K3-4	064 51771 000	1	31
2	Vane, Pre-Rotation K3-4 (prior 3/2012)	064 51769 000	9	31
	Vane, Pre-Rotation K3-4 (after 3/2012)	029 26312 000	9	31
3	Arm, PRV	064 47508 000	9	31
4	Spacer, PRV Arm K3-4	064 51652 000	9	31
5	Washer, Special PRV	064 47516 000	9	31
6	Washer, Plain 17/64 ID 1/2	021 11973 000	18	31
7	Stud, Ball 1/4-28 Unf	029 15924 000	9	31
8	Screw, Cap 12pt Hd 1/2	021 11515 000	9	31
9	Nut, Selflock 1/4-28 Unf	021 12943 000	9	31
11	Housing, PRV K4	064 51807 000	1	31
12	Bearing, Ball Deep Groove	029 25085 000	18	31
13	Spacer, PRV Bearing	064 51646 000	9	31
14	Spring, Overlap Type Wave	029 25086 000	18	31

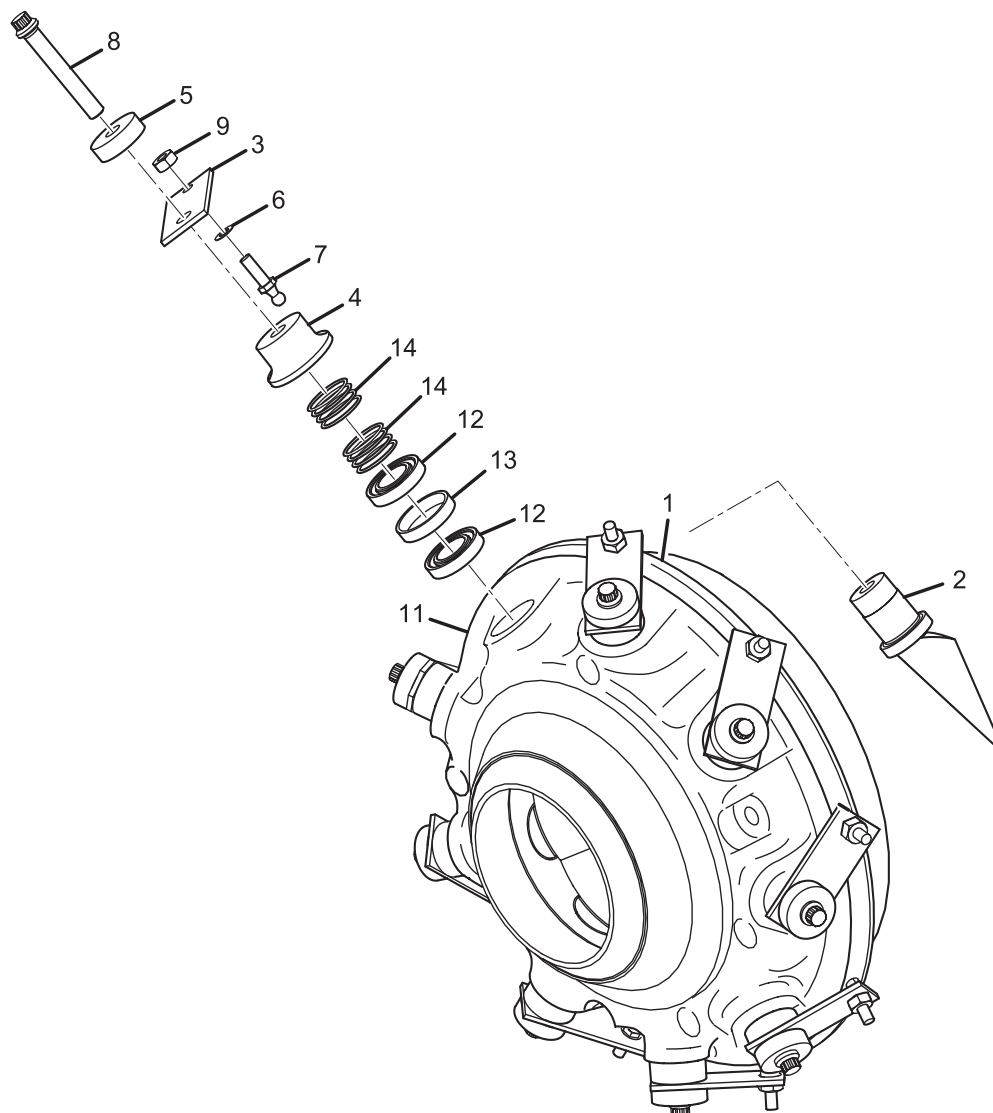


FIGURE 31 - PRE-ROTATION DEVICE (K4)

LD12820

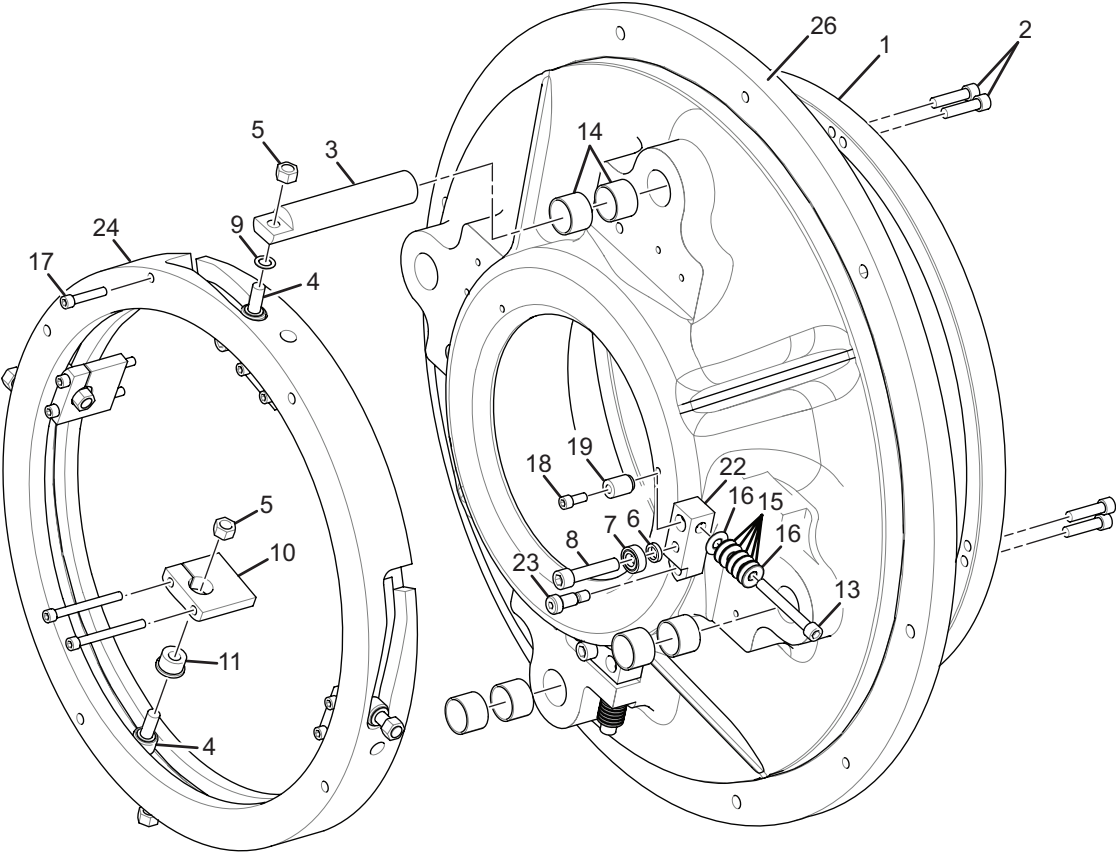
K4 COMPRESSOR

TABLE 20 - VARIABLE GEOMETRY DIFFUSER (VGD) MODEL K4

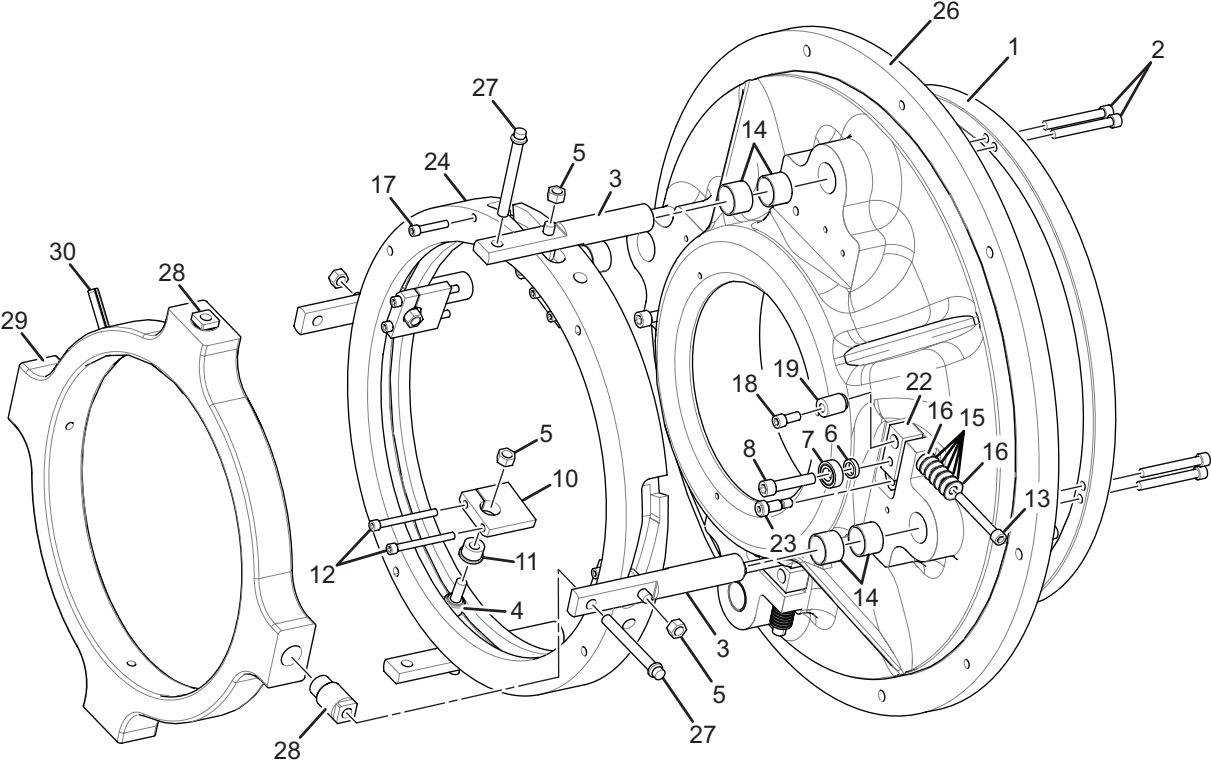
ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	Device, VGD K4 (prior 3/2012)	364 51825 000	1	32
-	Device, VGD K4 (after 3/2012)	364 53219 000	1	32
1	Ring, VGD Diffuser K4	064 51824 000	1	32
2	Screw, Cap Hex Soc Hd 5/16	021 31527 000	8	32
3	Pin, Drive (prior 3/2012)	064 50470 000	4	32
	Pin, Drive (after 3/2012)	064 53220 000	4	32
4	Bearing, Mcgill Cf-3/4-B	029 24103 000	8	32
5	Nut, Hex 3/8 - 24 Unf-2b:	021 00474 000	8	32
6	Spacer, VGD	064 50758 000	4	32
7	Bearing, Mcgill Cyr 1 3/8	029 24104 000	4	32
8	Screw, Cap Hex Soc Hd 3/8	021 01508 000	4	32
9	Washer, Plain .384 Id X 5/8 Od	021 31155 000	4	32
10	Support, Axial Bearing	064 51714 000	4	32
11	Bushing, Eccentric	064 51713 000	4	32
12	Screw, Cap Hex Soc Hd	021 19223 000	8	32
13	Screw, Cap Hex Soc Hd 5/16	021 31326 000	2	32
14	Bushing, Garlock 16du12	029 24100 000	8	32
15	Washer, Conical Disk	021 31324 000	24	32
16	Washer, Plain Hardened 3/8 Id	021 31323 000	4	32
17	Screw, Cap Hex Soc Hd 1/4	021 02578 000	1	32
18	Screw, Set Hex Socket 1/4	021 31328 000	2	32
19	Pin, Tensioner VGD Drive Ring	064 50830 000	2	32
22	Block, Tensioner Drive Ring	064 50824 000	2	32
23	Screw, Shoulder Soc Hd 5/16	021 31322 000	2	32
24	Ring, VGD Drive K4	064 51823 000	1	32
26	Plate, Nozzle Base K4 (after 3/2012)	064 51822 000	1	32
27	Screw, Cap 12 Pt Hd 3/8 (after 3/2012)	021 11941 000	4	32
28	Insert, VGD Ring (after 3/2012)	064 53106 000	4	32
29	Ring, Stabilizing (after 3/2012)	064 53222 000	1	32

K4

K4 COMPRESSOR



364 51825 000



364 53219 000

LD16674c

FIGURE 32 - VARIABLE GEOMETRY DIFFUSER (K4)

K7 COMPRESSOR

TABLE 21 - K7 COMPRESSOR

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
1	Screw, Set Hex Soc Cup Pt	021 00774 000	1	34
*2	Bearing, High Speed Front	064 51495 000	1	35
3	Hhcs, 0.375-16 X 0.875 Gr 5 Bl	021 01470 000	6	36
4	Seal, O-Ring .301 Id X .064	028 12961 021	1	33
6	Wiring Kit, PRV Motor Actuator	375 49340 105	2	36
6A	PRV, Motor Actuator	025 40490 000	2	36
7	Seal, O-Ring 5/16 Id X	028 12513 000	3	33
*8	Bearing, High Speed Rear	064 51494 000	1	36
*9	Bearing, Low Speed Rear	064 47858 000	1	34
*10	Bearing, Low Speed Front	064 47857 000	1	35
*11	Bearing, High Speed for Thrust	029 24759 000	1	34
*13	Collar, High Speed Thrust	064 51493 000	1	34
*14	Collar, Low Speed Thrust	064 51492 000	1	35
15	Collar, Impeller Clamping	064 51501 000	1	35, 38
16	Elbow, Cinch 3/8 Tube X	023 22141 000	2	34
17	Bearing, High Speed Rev Thrust	029 24758 000	1	33
†18	Seal, O-Ring 10-1/2 Id X 1/8	028 12226 000	1	34
20	Cover, Prv Shaft Control (prior 6/2013)	064 48861 000	2	36, 37
	Cover, Prv Shaft Control (after 6/2013)	064 52347 000		
21	Shaft, Control Prerot Device (prior 6/2013)	364 51220 000	2	36
	Shaft, Control Prerot Device (after 6/2013)	064 53745 000		
23	Hhcs, 0.375-16 X 1.500 Gr 5 Zn	021 18901 000	4	36
25	Screw, Cap Flat Soc Hd 3/8	021 13856 000	2	34
26	Spacer, .50 Lg X .33 Id X .63od	064 50611 000	2	36
27	Orifice, High speed Oil Feed	064 49203 000	1	38
28	Screw, Cap 12 Pt Hd 1/2	021 31600 000	2	36
29	Washer, Plain 11/32 Id X 11/16	021 05166 000	4	36
30	Screw, Cap 12pt Hd 3/8	021 11141 000	18	36
31	Connr, Cinch 3/8 Tube X	023 06801 000	3	34
32	Seal, Double Shaft	029 24762 000	1	33
32A	C-ring, Replacement for Shaft Seal	028 14493 000	1	33
33	Lever, Internal	064 51516 000	1	37
34	Lever, PRV External	064 51518 000	1	34, 37
35	Arm, Motor	064 51522 000	1	36
36	Link, External PRV	064 51788 000	1	36
37	Rod, Adjustable PRV & VGD	364 51754 800	1	37
38	Plug, Hex Hd 1-1/16	023 18295 000	1	33
†39	Seal, O-Ring Neoprene	028 12961 006	1	33
40	Retainer, Bearing S Stage Turbo	064 46886 000	2	34
41	Screw, Cap Hex 3/8 -16unc	021 01477 000	2	34
42	Tube, Low Speed Oil Drain	064 51222 000	1	*
43	Connr, Fla M X M 1/4 Od Fla	023 23367 000	1	33
44	Tube, Oil Drain Shaft Seal	064 51637 000	1	34
45	Washer, Plain 13/32 Id X 13/16	021 01274 000	2	34

* Included in Bearing Kit

† Included in O-Ring Kit

K7 COMPRESSOR**TABLE 21 - K7 COMPRESSOR (CONT'D)**

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
46	Ring, Balance Piston Seal Hj-119 (prior 11/2010)	064 51509 000	1	38
	Ring, Balance Piston Seal Hj-119 (after 11/2010)	064 52956 000		
47	Retainer, Balance Piston Seal Washer Hj119	064 51510 000	1	38
48	Washer, Spring Balance	064 51511 000	1	38
49	Impeller, 11.89 Eye Hard Coat	064 51499 001	1	38
50	Screw, Cap 12pt Hd 5/16	021 12197 000	1	36
51	Plug, Pipe 1/4 Hex Socket	023 01973 000	3	34
53	Plug, Hex Hd 7/16	023 18279 000	1	33
54	Screw, Cap 12pt Hd 5/16	021 01435 000	1	36
55	Fillpiece, PRV Device	064 51523 000	1	37
57	Dowel, Pin Str	029 24130 000	2	36
59	Screw, Cap 12 Pt Hd 1/2	021 11984 000	1	37
60	Plug, Hollow Hex 7/16"	023 18921 000	4	35
61	Screw, Cap Hex Soc Hd 1/4	021 29501 000	3	34, 35
62	Tube, Oil Drain H.S. Thrust	064 51638 000	1	34
63	Screw, Cap Hex Soc Hd 1/4	021 02578 000	8	35
65	Lever, PRV External	064 50613 000	1	36, 37
66	Screw, Cap 12pt Hd 5/8	021 11553 000	56	33
67	Screw, Cap 12 Pt Hd 1/2	021 12165 000	6	38
68	Screw, Cap Hex Soc Hd 1/4	021 08993 000	3	34
69	Link, External	064 51549 000	1	36
70	Orifice, Set Screw	064 51402 000	1	35
71	Screw, Cap Hex Soc Hd 1/4	021 29576 000	8	35
72	Plug, Hex Hd 3/4	023 18280 000	2	33
73	Plate, Mtg	064 47998 000	1	34
74	Screw, Cap Hex Soc Hd #10-32	021 31182 000	2	36
75	Header, Spray	064 47999 000	1	34
76	Plug, Hex Hd 9/16	023 18962 000	8	33
†77	Seal, O-Ring Neoprene	028 12961 003	9	33
78	Tube, Gear Cooling	064 51248 000	1	*
81	Nut, Hex 1/4 - 20 Unc-2b	021 00450 000	2	37
82	Pin, Dowel Tapped 3/8 Dia	029 18459 000	3	34
83	Hhcs, 0.250-20 X 1.250 Gr 5 BI	021 01392 000	2	37
84	Screw, Shoulder Soc Hd	021 17557 000	6	38
85	Plug, Hex Hd 1-5/16	023 18926 000	1	33
†86	Seal, O-Ring Neoprene	028 13865 000	1	33
87	O-ring, Neo 2.112ld 0.103thk	028 15432 000	2	36
88	Bracket, Support Lower PRV	064 48851 000	1	36
89	Valve, Check Oil 1/8 Npte	022 04444 000	1	34
91	Plate, Cover Handhole	064 50139 000	1	36
†92	Seal, O-Ring 5-7/8 Id X 1/8	028 12204 000	1	33
93	Screw, Cap 12 Pt Hd 3/8	021 18808 000	3	37
†94	Seal, O-Ring 1-1/8 Id X 1/8	028 12200 000	4	36
95	Plug, PRV Assembly	064 50632 000	2	36
96	Plug, Pipe, Flush Type Hex	023 24908 000	3	33

* Included in Bearing Kit

† Included in O-Ring Kit

K7 COMPRESSOR

TABLE 21 - K7 COMPRESSOR (CONT'D)

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
†97	Seal, O-Ring Neoprene	028 12961 005	2	36
98	Hhcs, 0.375-16 X 2.000 Gr 5 Bl	021 11917 000	16	34
†99	Seal, O-Ring 6-3/4 Id X	028 15446 000	1	35
*103	Bearing, Low Speed Thrust	029 24757 000	1	35
104	Arm, Motor (prior 2/2012)	064 51548 000	1	36
	Arm, Motor (after 2/2012)	064 53340 000		
105	Screw, Cap 12pt Hd 3/8	021 11916 000	6	33, 34
106	Screw, Cap 12 Pt Hd 3/8	021 31767 000	2	37
108	Fillpiece, VGD Device	064 51551 000	2	37
109	Hhcs, 0.375-16 X 3.750 Gr 5 Bl	021 18788 000	4	34
†110	Seal, O-Ring Molded 44.050 Id	028 15443 000	1	38
111	Link, External PRV	064 51789 000	1	36
112	Probe, Proximity	025 40496 000	1	33
114	Valve, Stop Ang Vertical	022 09578 000	1	33
†115	Seal, O-Ring 8.234 Id X	028 15078 000	1	36
116	Nut, Hex 5/16 - 18unc-2b	021 02523 000	12	36
117	Rod, Adjustable PRV & VGD	364 51753 860	1	37
118	Ring, Eye Seal	064 51506 000	1	38
119	Retainer, Eye Seal	064 51507 000	1	38
120	Washer, Spring Eye	064 51508 000	1	38
†121	Seal, O-Ring Spliced 33.510 Id	028 15445 000	1	37
†122	Seal, O-Ring 5-5/8 Id X 5-7/8	028 12258 000	1	33
†123	Seal, O-Ring Neoprene	028 12961 001	1	33
†124	Seal, O-Ring 40.690 Id	028 15444 000	1	38
125	Screw, Cap Hex Soc Hd 1/4	021 17765 000	8	34
126	Spacer, Flanged, PRV & VGD	064 50612 000	4	36
127	Screw, Cap 12 Pt Hd 1/2	021 11926 000	4	36
128	Lever, Internal VGD	064 51216 000	1	37
†130	Seal, O-Ring Neoprene	028 12961 004	2	33
131	Screw, Cap 12pt Hd 3/8	021 11920 000	14	33
135	Bushing, Garlock 16du12	029 24100 000	2	37
136	Lockwasher, Hel Spg #10 Reg	021 05265 000	2	36
137	Nut, Hex Mach Scr #10 - 32	021 08670 000	4	36
139	Fillpiece, PRV Linkage	064 47727 000	1	37
140	Screw, Cap 12 Pt Hd 1/2	021 11525 000	1	37
†141	Seal, O-Ring 7/16 Id X 3/32	028 15428 000	1	33
142	Clamp, Tube 1/8 Od	023 06163 000	1	33
143	Screw, Cap Hex Soc Hd #8	021 19153 000	1	33
144	Screw, Cap 12pt Hd 5/16	021 19241 000	3	36
145	Screw, Cap 12pt Hd 5/16	021 12202 000	1	36
146	Nut, Flare Hydraulic 1/4 Od	023 09670 000	1	33
147	Sleeve, Flare Hydraulic 1/4 Od	023 10000 000	1	33
148	Spacer .75lg x .33ID x .63Od	064-51538-000	1	36
149	Spacer Flanged PRV & VGD	064-51854-000	2	36
*150	O-Ring .239ID.	028 15846 000	4	33

* Included in Bearing Kit

† Included in O-Ring Kit

K7 COMPRESSOR

TABLE 21 - K7 COMPRESSOR (CONT'D)

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
300A	Support, Rotor W/ Housing Brg K7	364 51498 000	1	35
300B	Scroll, Rotor K7	064 52993 000	1	35
300C	Plate, Diffuser K7	06451504 000	1	35

* Included in Bearing Kit

† Included in O-Ring Kit

TABLE 22 - K7 BEARING KIT

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	Compressor Bearing Kit	464 51830 000	1	-
*2	Bearing, H.S. Front	064 51495 000	1	35
*8	Bearing, H.S. Rear	064 51494 000	1	36
*9	Bearing, L.S. Rear	064 47858 000	1	34
*10	Bearing, L.S. Front	064 47857 000	1	35
*11	Bearing, Thrust H.S.	029 24759 000	1	34
*13	Collar, Thrust H.S.	064 51493 000	1	34
*14	Collar, Thrust L.S.	064 51492 000	1	35
*103	Bearing, thrust l.s.	029 24757 000	1	35
*17,96,150	Bearing H.S. Rev kit	464 52532 000	1	33

* Included in Bearing Kit

TABLE 23 - K7 O-RING KIT

ITEM	DESCRIPTION	PART NUMBER	QUANTITY	FIGURE
-	Compressor O-Ring Kit	464 51832 000	1	-
†18	Seal, O-Ring 10-1/2 ID x 1/8	028 12226 000	1	34
†39	Seal, O-Ring Neoprene	028 12961 006	1	33
†77	Seal, O-Ring Neoprene	028 12961 003	9	33
†86	Seal, O-Ring Neoprene	028 12961 008	1	33
†92	Seal, O-Ring 5-7/8 id x 1/8	028 12204 000	1	33
†94	Seal, O-Ring 1-1/8 id x 1/8	028 12200 000	4	36
†97	Seal, O-Ring Neoprene	028 12961 005	2	36
†99	Seal, O-Ring 6-3/4 id x	028 15446 000	1	35
†110	Seal, O-Ring Molded 44.050 ID	028 15443 000	1	38
†115	Seal, O-Ring 8.234 id x	028 15078 000	1	36
†121	Seal, O-Ring spliced 33.510 ID	028 15445 000	1	37
†122	Seal, O-Ring 5-5/8 id x 5-7/8	028 12258 000	1	33
†123	Seal, O-Ring Neoprene	028 12961 001	1	33
†124	Seal, O-Ring 40.690 ID	028 15444 000	1	38
†130	Seal, O-Ring Neoprene	028 12961 004	2	33
†141	Seal, O-Ring 7/16 id x 3/32	028 15428 000	1	33

† Included in O-Ring Kit

K7 COMPRESSOR

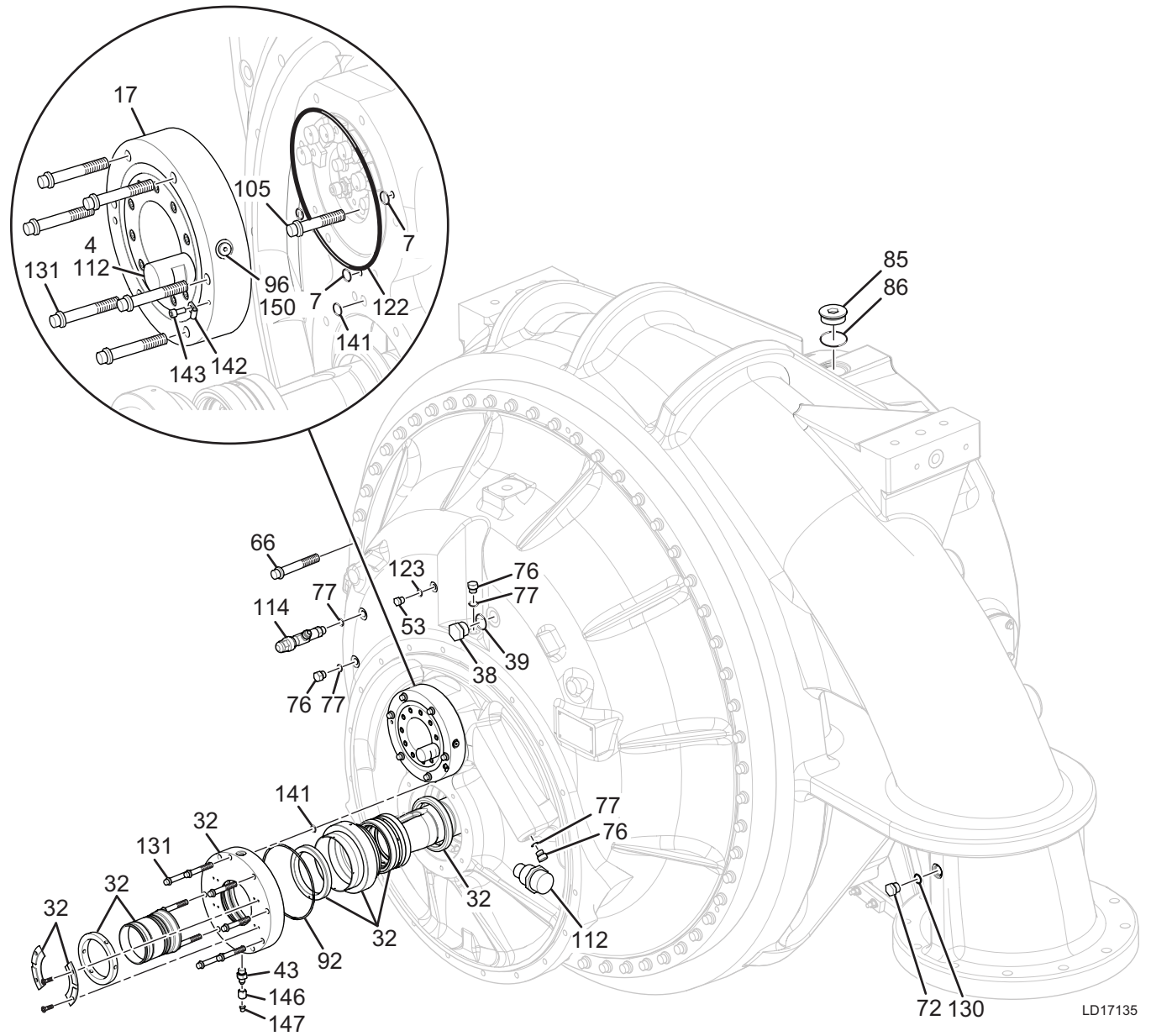
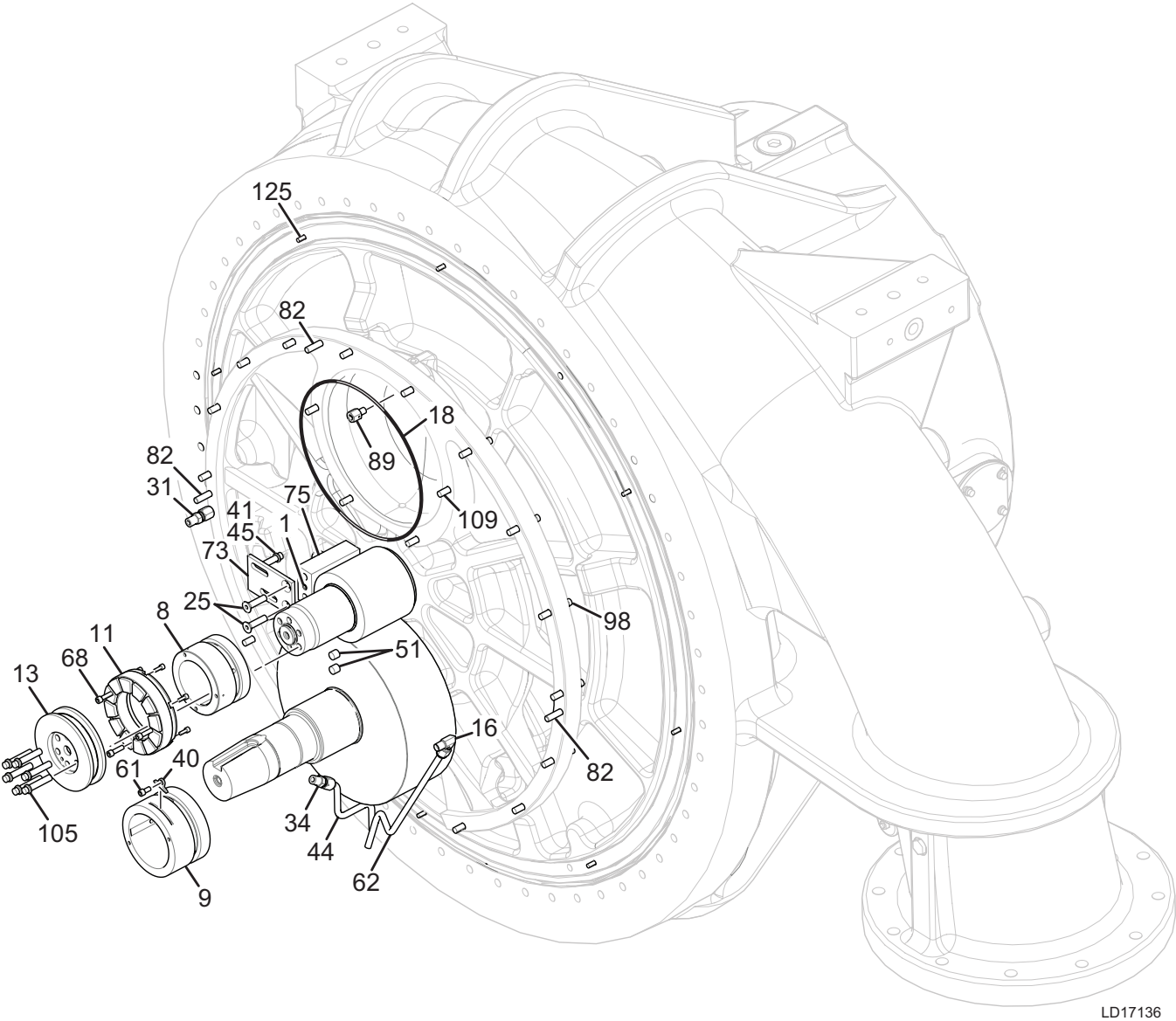


FIGURE 33 - K7 COMPRESSOR

K7 COMPRESSOR



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FIGURE 34 - K7 COMPRESSOR

K7 COMPRESSOR

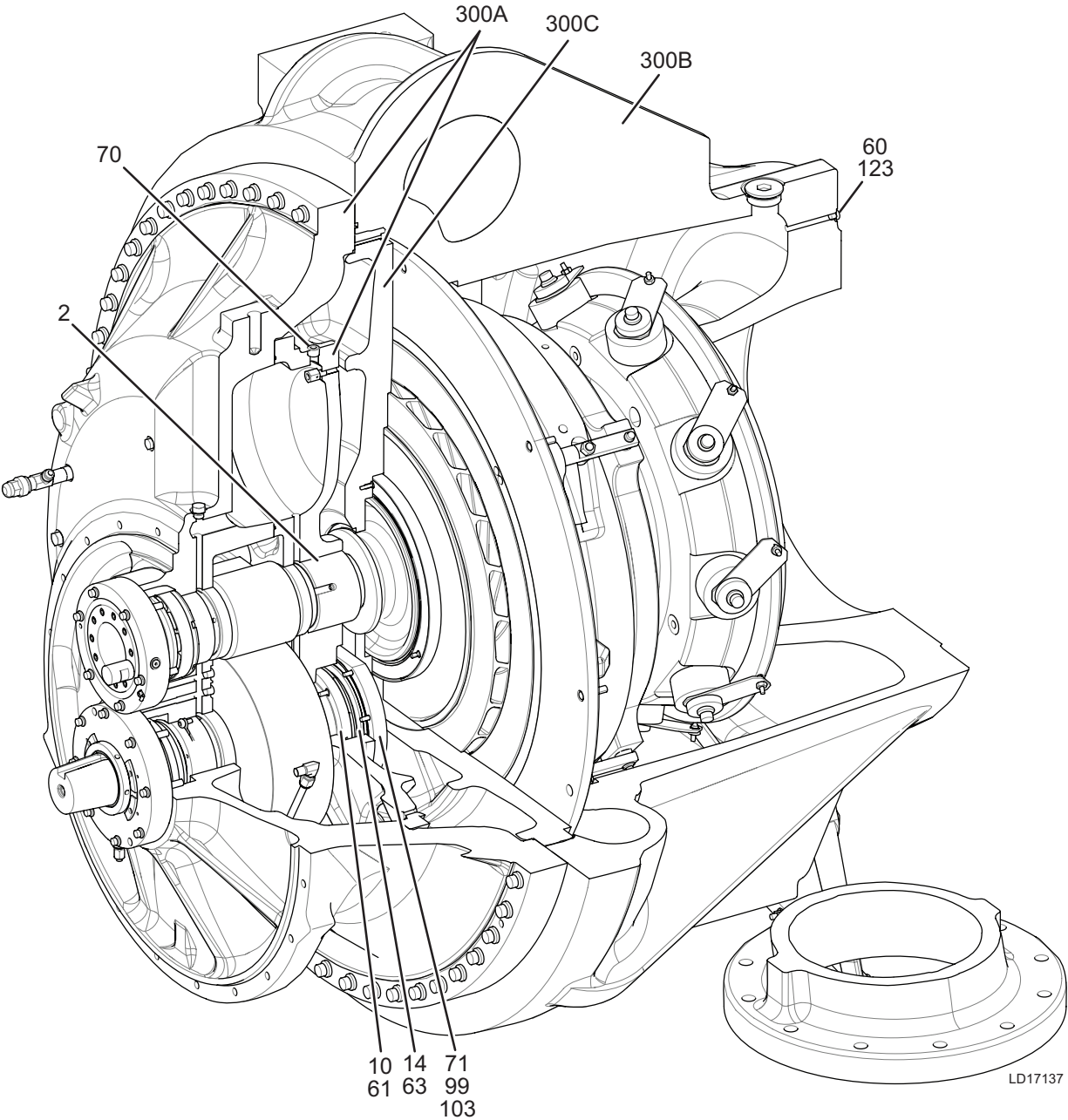


FIGURE 35 - K7 COMPRESSOR

K7 COMPRESSOR

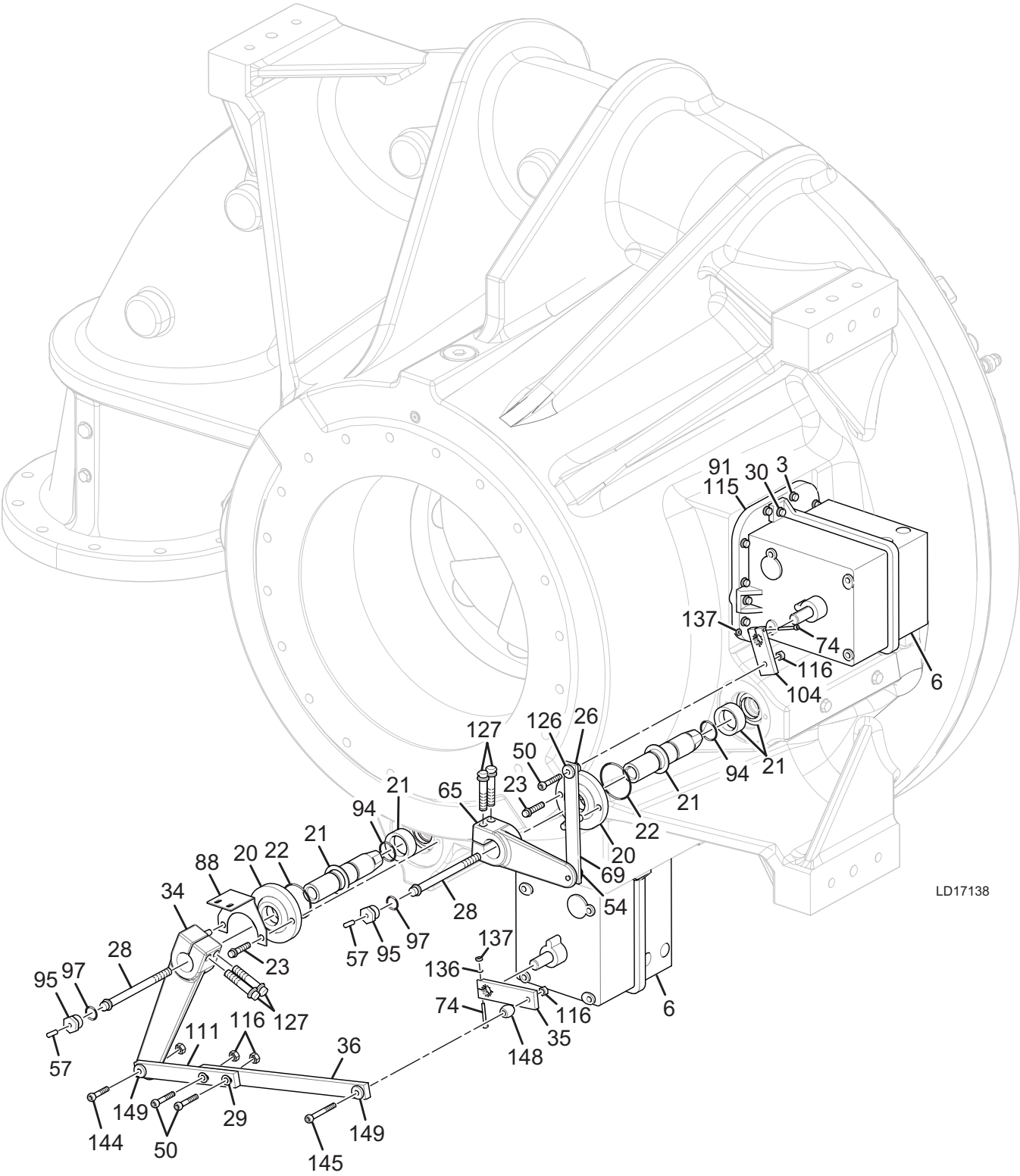
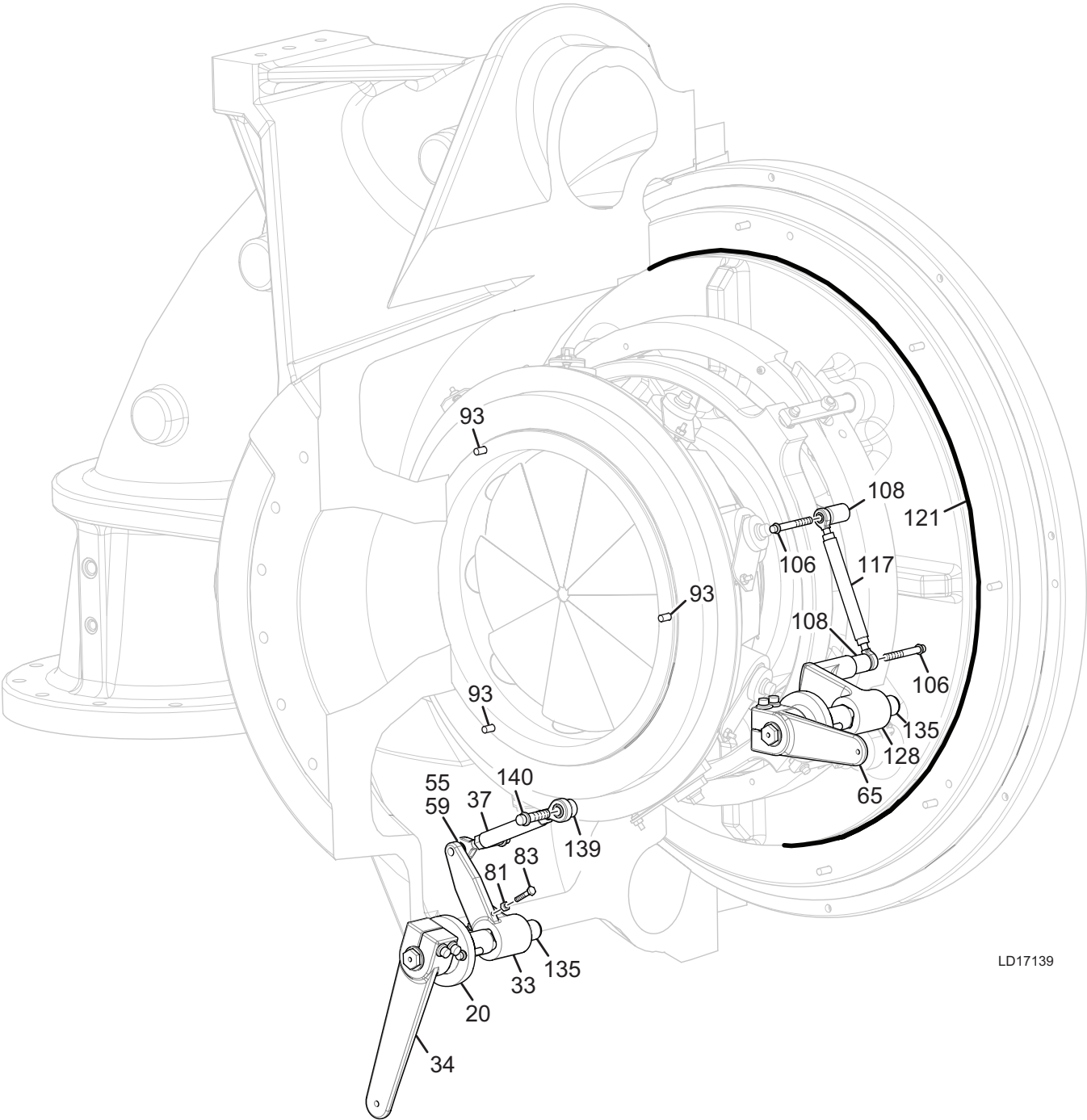


FIGURE 36 - K7 COMPRESSOR

K7 COMPRESSOR

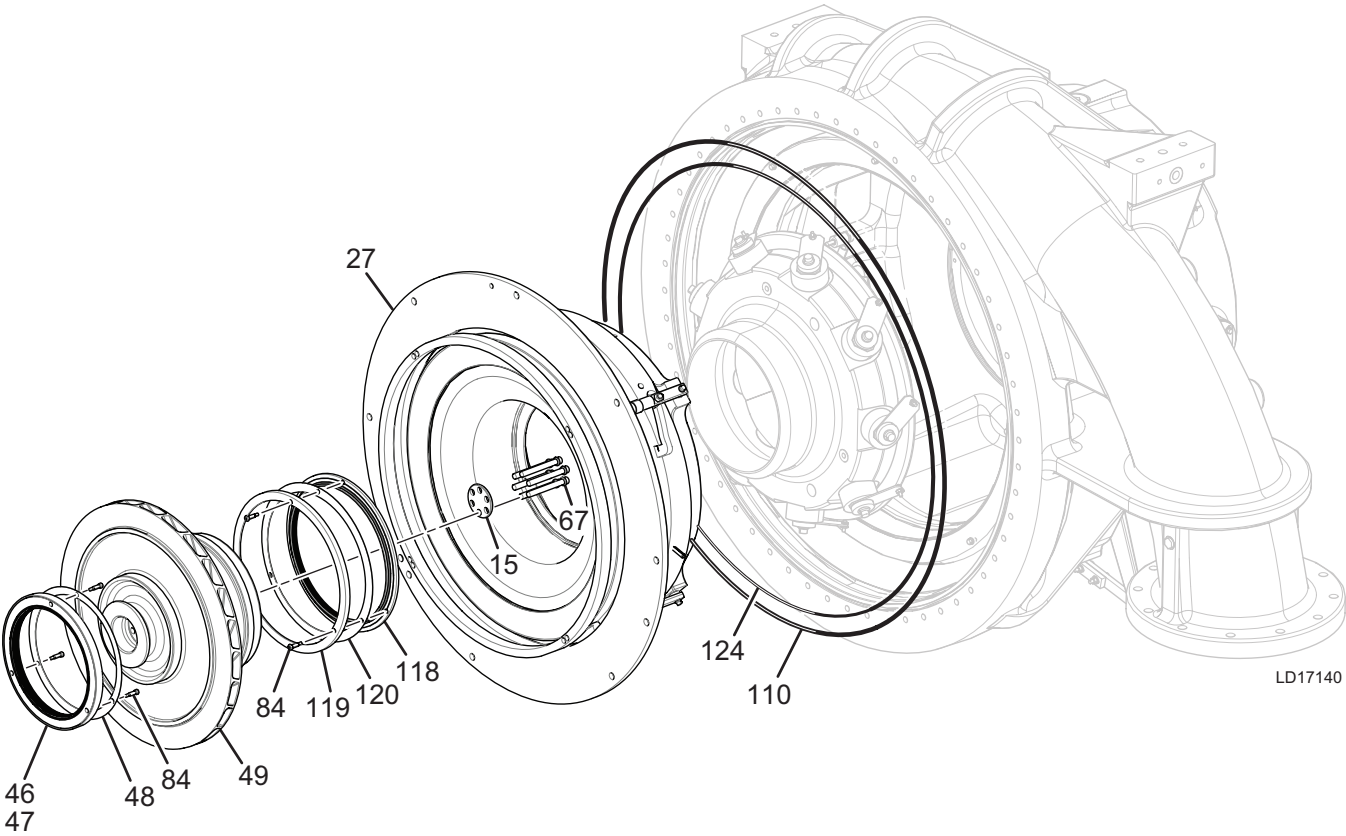


LD17139

K7

FIGURE 37 - K7 COMPRESSOR

K7 COMPRESSOR



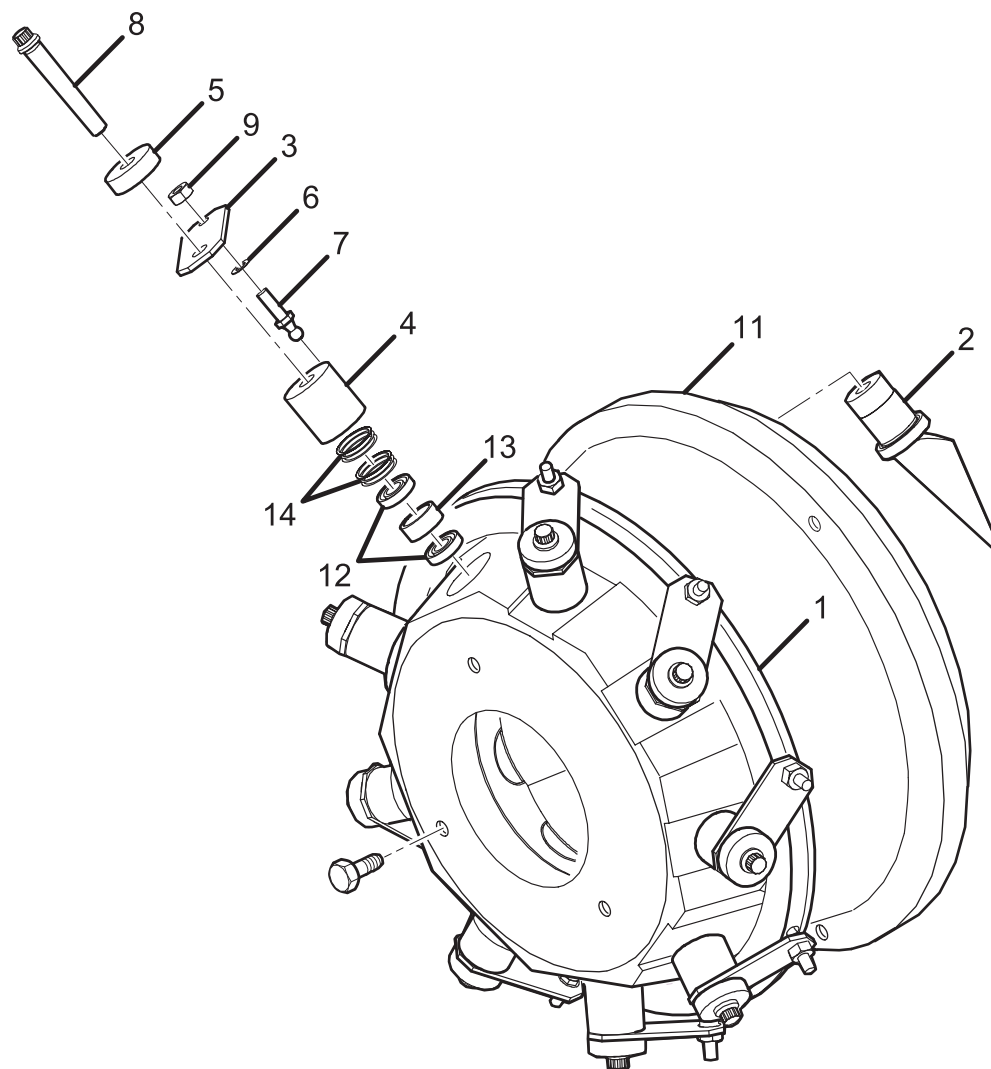
LD17140

FIGURE 38 - K7 COMPRESSOR

K7 COMPRESSOR

TABLE 24 - PRE-ROTATION DEVICE (K7)

ITEM	DESCRIPTION	PART NUMBER	QUANTITY
1	Ring, Vane Driving	064 51514 000	1
2	Vane, Pre-Rotation (prior 2/2012)	064 51503 000	9
	Vane, Pre-Rotation (after 2/2012)	029 26283 000	9
3	Arm, PRV Vane	064 51513 000	9
4	Spacer, PRV Arm	064 51512 000	9
5	Washer, Special Pre-Rot	064 47318 000	9
6	Washer, Plain Lt 17/64 Id 1/2	021 11973 000	18
7	Stud, Ball 1/4 - 28 Unf	029 15924 000	9
8	Screw, Cap 12 Pt Head 5/8	021 17265 000	9
9	Nut, Self Lock 1/4 - 28 Unf	021 12943 000	9
11	Housing, Pre-Rot Vanes	064 51502 000	1
12	Bearing, Ball Deep Groove	029 25081 000	18
13	Spacer	064 51783 000	9
14	Spring, Overlap Type Wave	029 25082 000	18



K7

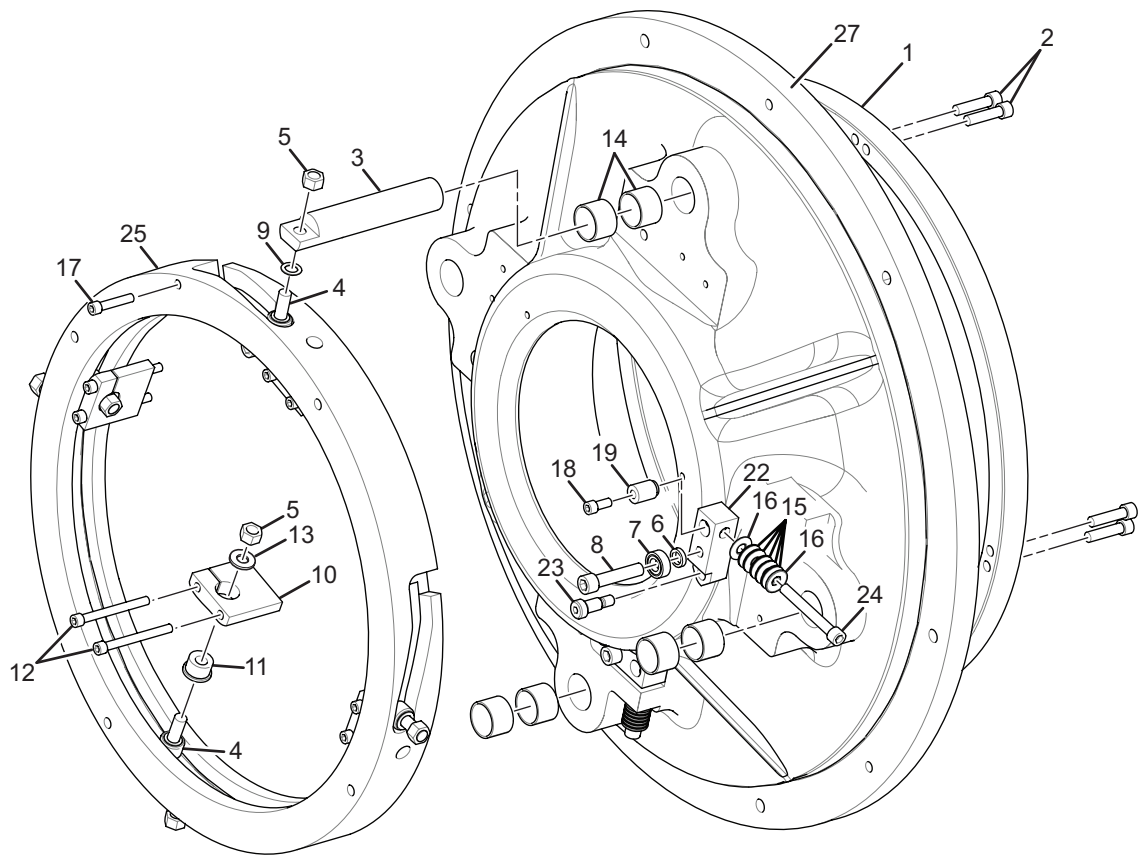
LD12108

FIGURE 39 - PRE-ROTATION DEVICE (K7)

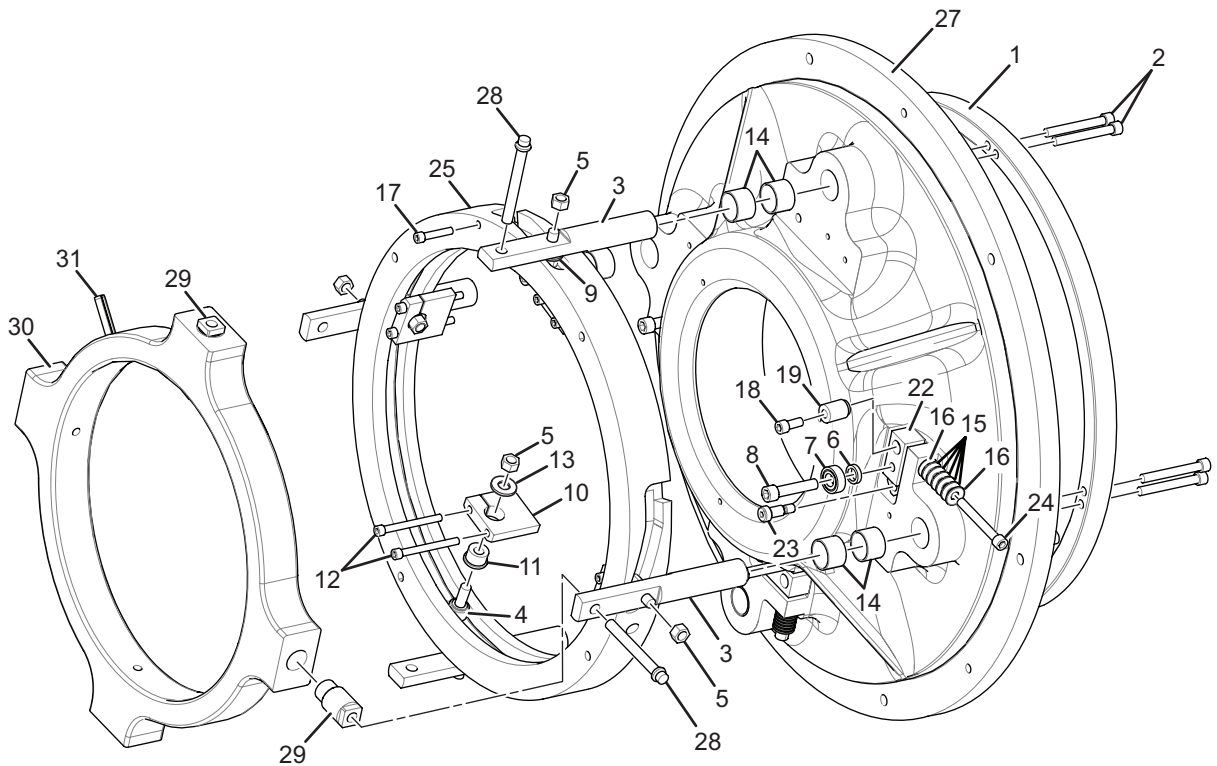
K7 COMPRESSOR**Table 25 - Variable Geometry Diffuser (VGD) Model K7**

ITEM	DESCRIPTION	PART NUMBER	QUANTITY
-	VGD Device K7 (prior 3/2012)	364 51517 000	1
-	VGD Device K7 (after 3/2012)	364 53107 000	1
1	Ring, Diffuser Ha VGD	064 51535 000	1
2	Screw, Cap Hex soc hd 5/16"	021 31326 000	8
3	Pin, Drive (prior 3/2012)	064 51533 000	4
	Pin, Drive (after 3/2012)	064 53105 000	4
4	Bearing, Mcgill cf-1-b	029 24890 000	4
5	Nut, Hex 7/16 - 20unf-2b	021 31755 000	8
6	Spacer, VGD	064 50758 000	4
7	Bearing, Mcgill Cyr 1-3/8"	029 24104 000	4
8	Screw, Cap Hex soc hd 3/8"	021 01508 000	4
9	Washer, Plain .453 id x .750 od	021 31755 000	4
10	Support, Axial Bearing	064 51534 000	4
11	Bearing, Mcgill cfe-1-b	029 24891 000	4
12	Screw, Cap hex soc hd	021 31754 000	8
13	Washer, Plain 15/32 id x 59/64	021 14111 000	4
14	Bushing, Garlock 16du12	029 24100 000	8
15	Washer, Conical Disk	021 31324 000	24
16	Washer, Plain hardened 3/8 id	021 31323 000	4
17	Screw, Cap Hex soc hd 1/4"	021 18994 000	1
18	Screw, Set Hex socket 1/4"	021 31328 000	2
19	Pin, Tensioner VGD Drive Ring	064 50830 000	2
22	Tensioner, Block VGD Drive Ring	064 50824 000	2
23	Screw, Shoulder soc hd 5/16	021 31322 000	2
24	Screw, Cap hex soc hd 5/16	021 31762 000	2
25	Ring, Drive	064 51536 000	1
27	Plate, Nozzle Base (after 3/2012)	064 51505 000	1
28	Screw, Cap 12 Pt Hd 3/8 (after 3/2012)	021 11941 000	4
29	Insert, VGD Ring (after 3/2012)	064 53106 000	4
30	Ring, Stabilizing (after 3/2012)	064 53104 000	1
31	Pin, Slot Spg 3/8 x 1-3/8 (after 3/2012)	029 08499 000	1

K7 COMPRESSOR



364 51517 000



364 53107 000

K7

LD17250a

FIGURE 40 - VARIABLE GEOMETRY DIFFUSER (K7)

TABLE 26 - GEAR CODES (K1/K2)

K1 / K2	
SPEED CODE	PART # (029 14400 XXX)
FA	301
FB	302
FC	303
FD	304
FE	305
FF	306
FG	307
FH	308
FJ	309
FK	310
FL	311
FM	312
FN	313
FP	314
FQ	315
FR	316
FS	317
FT	318
FU	319
FV	320
FW	321
TA	800
TB	801
TC	802

K1 / K2	
SPEED CODE	PART # (029 14400 XXX)
TD	803
TE	804
TF	805
TG	806
TH	807
TJ	808
TK	809
TL	810
TM	811
TN	812
TP	813
TQ	814
TR	815
TS	816
TT	817
TU	818
TV	819
TW	820
TX	821
TY	822
TZ	823
AD	824
AE	825
AF	826

TABLE 27 - GEAR CODES (K3/K4)

K3 / K4	
SPEED CODE	PART # (029 14400 XXX)
PC	379
PD	380
PE	381
PF	382
PG	383
PH	384
PJ	385
PK	386
PL	387
PM	388
PN	389
PP	390
PQ	391
PR	392
PS	393
PT	394
PU	395
PV	396
PW	397
PX	398
PY	399
PZ	400
EA	401

K3 / K4 (CON'T)	
SPEED CODE	PART # (029 14400 XXX)
EB	402
EC	403
ED	404
EE	405
EF	406
EG	407
EH	408
EJ	409
EK	410
EL	411
EM	412
EN	413
EP	414
EQ	415
ER	416
ES	417
ET	418
EU	419
EV	420
EW	421
EX	422
EY	423

TABLE 28 - GEAR CODES (K7)

K7	
SPEED CODE	PART NUMBER 029-14400-XXX
MC	111
MD	112
ME	113
MF	114
MG	115
MH	116
MJ	117
MK	118
ML	119
MM	120
MN	121
MP	122
MQ	123
MR	124
MS	125
MT	126
MU	127
MV	128
MW	129
MX	130
MY	131
MZ	132
AG	133
AH	134
AJ	135
AK	136
AL	137
AM	138
AN	139

NOTES



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