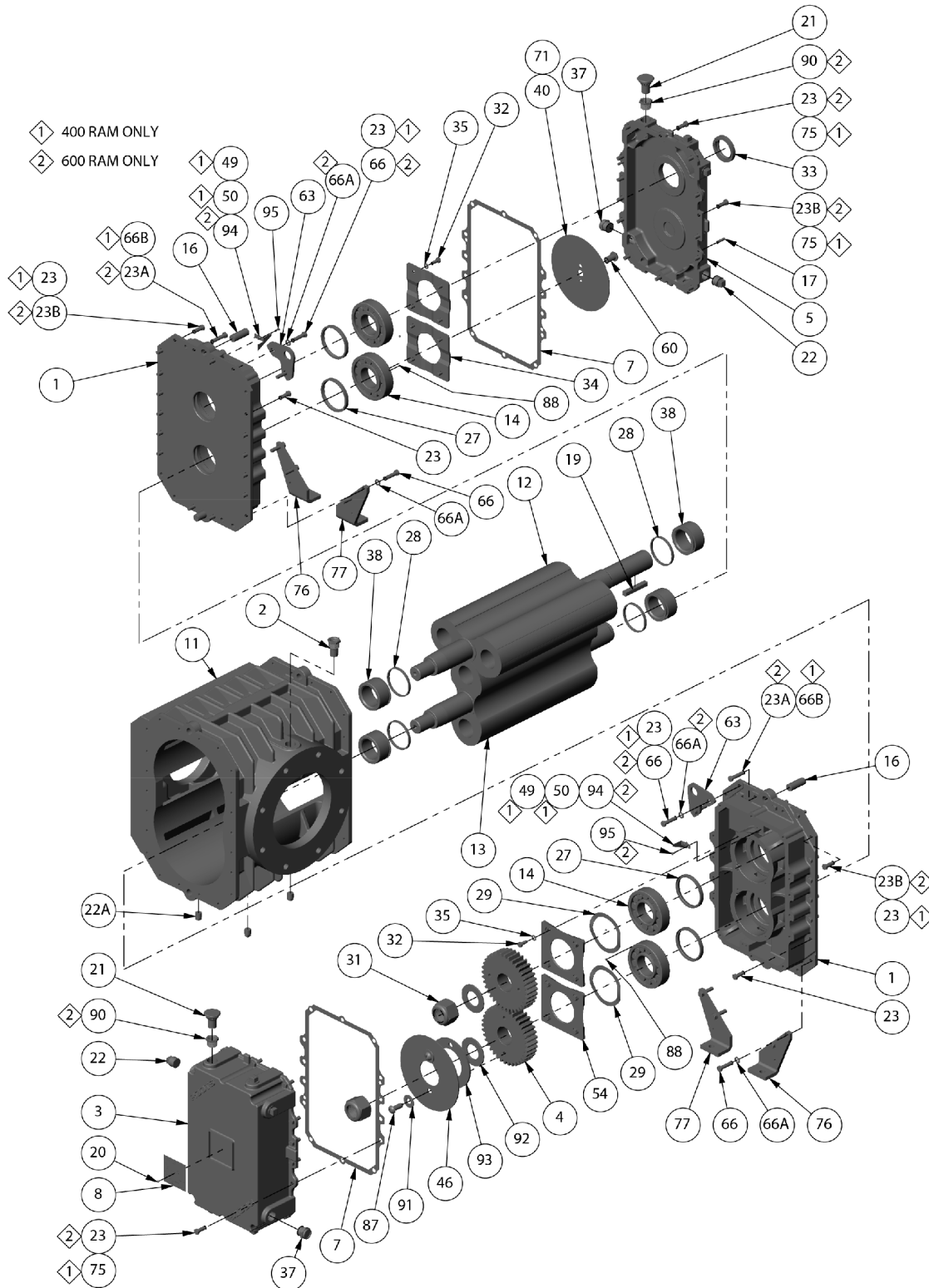


Standard components shown. Actual component geometry may vary with model.



Assembly of Roots 400 & 600 RAM-VJ

RAM, RAM-J, RAM-G, RAM-GJ, & RAM-VJ SERIES PARTS LIST - 4" GEAR DIAMETER

Item #	Part name	Part number	Qty.
Non Length Parts 4" RAM, RAM-G, RAM-J, RAM-GJ, RAM-VJ			
1 ²	HEADPLATE	81134023	2
1 ²	HEADPLATE, GAS	82239023	2
3	GEARBOX	78494022	1
4	GEAR ASSEMBLY	RC-52466021	1
5	END COVER	78495022	1
7	GASKET	78365021	2
8	NAMEPLATE	T20034001	1
10	SHIM SET	52378020	1
14	BEARING, ROLLER	T30054020	4
16	PIN, DOWEL	10531008	4
17	PIN, DOWEL	12917013	2
19	KEY	10828002	1
20	SCREW, SELF-TAPPING	10815002	1
21	BREATHER	T20013004	2
22	PLUG, PIPE	10008004	12
23	SCREW, HEX HEAD	10019005	18
27 ²	LIP SEAL	10460030	4
27 ²	LIP SEAL, MECHANICAL	12903001	4
28	PISTON RING SEAL	12283001	4
29	WASHER, WAVY SPRING	10135018	2
31	NUT, HEX	10319019	2
33	LIP SEAL, DRIVE SHAFT	10460034	1
34	BEARING CLAMP PLATE, DE	T20068020	2
35	WASHER, SPRING LOCK	10049002	16
37	PLUG, SIGHT	12066003	2
38	SLEEVE, PISTON RING	52418020	4
40	SLINGER, DRIVE END	54710020	1
40 ⁴	SLINGER, BOTTOM DRIVE	60458021	1
46	SLINGER, GEAR END	T20029001	1
49	OIL LEADER, LEFT	62783021	1
50	OIL LEADER, RIGHT	62784021	1
54	BEARING CLAMP PLATE, GE	62007020	2
60	SCREW, BUTTON HEAD	12800001	1
63	LIFTING LUG	64361020	2
66	SCR, CAP HEXH 3/8-16X1.625	10019010	8
66A	WSHR, SPR LOCK 3/8M	10049004	8
66B	SCREW, HEX HEAD	12467006	10
70	SHIM	10619141	1
71 ⁴	SCREW, SET SOCKET HEAD	10089014	2
75	SCREW, HEX HEAD	10011003	36
76	FOOT, RIGHT	78359021	2
77	FOOT, LEFT	78360021	2
85 ³	ELBOW, PIPE	10064002	2
85A ³	PLUG, PIPE	10008002	2
87	SCREW, BUTTON HEAD	12800001	2

Item #	Part name	Part number	Qty.
88	BALL	T20001001	4
89 ³	NIPPLE, CLOSE	10047002	2
91	BUSHING, REDUCING	T20031001	2
93	WASHER-OIL SLINGER GE	90185020	1
Length Parts 404 RAM			
11 ¹	CYLINDER 404	65464023	1
11 ¹	CYLINDER 404 J	73200023	1
12	DRIVE IMPELLER 404	82218023	1
13	DRIVEN IMPELLER 404	82218S23	1
Length Parts 406 RAM			
11 ¹	CYLINDER 406	61672022	1
11 ¹	CYLINDER 406 J	74139023	1
11 ¹	CYLINDER 406 VJ	55869023	1
12	DRIVE IMPELLER 406	82219023	1
13	DRIVEN IMPELLER 406	82219S23	1
Length Parts 409 RAM			
11 ¹	CYLINDER 409	61799023	1
11 ¹	CYLINDER 409 J	52526024	1
11 ¹	CYLINDER 409 VJ	55818024	1
12	DRIVE IMPELLER 409	82220023	1
13	DRIVEN IMPELLER 409	82220S23	1
Length Parts 412 RAM			
11 ¹	CYLINDER 412	61796023	1
11 ¹	CYLINDER 412 J	52380024	1
11 ¹	CYLINDER 412 VJ	55877024	1
12	DRIVE IMPELLER 412	82221023	1
13	DRIVEN IMPELLER 412	82221S23	1
Length Parts 418 RAM			
11 ¹	CYLINDER 418	67035023	1
11 ¹	CYLINDER 418 J	52527024	1
11 ¹	CYLINDER 418 VJ	55876024	1
12	DRIVE IMPELLER 418	82222023	1
13	DRIVEN IMPELLER 418	82222S23	1

¹Unit is available in both standard and WHISPAIR (Jet) configurations, confirm model before ordering parts.

²Units are available in both standard and gas configurations, confirm model before ordering parts.

³Items are only available on gas units.

⁴Available for bottom drive.