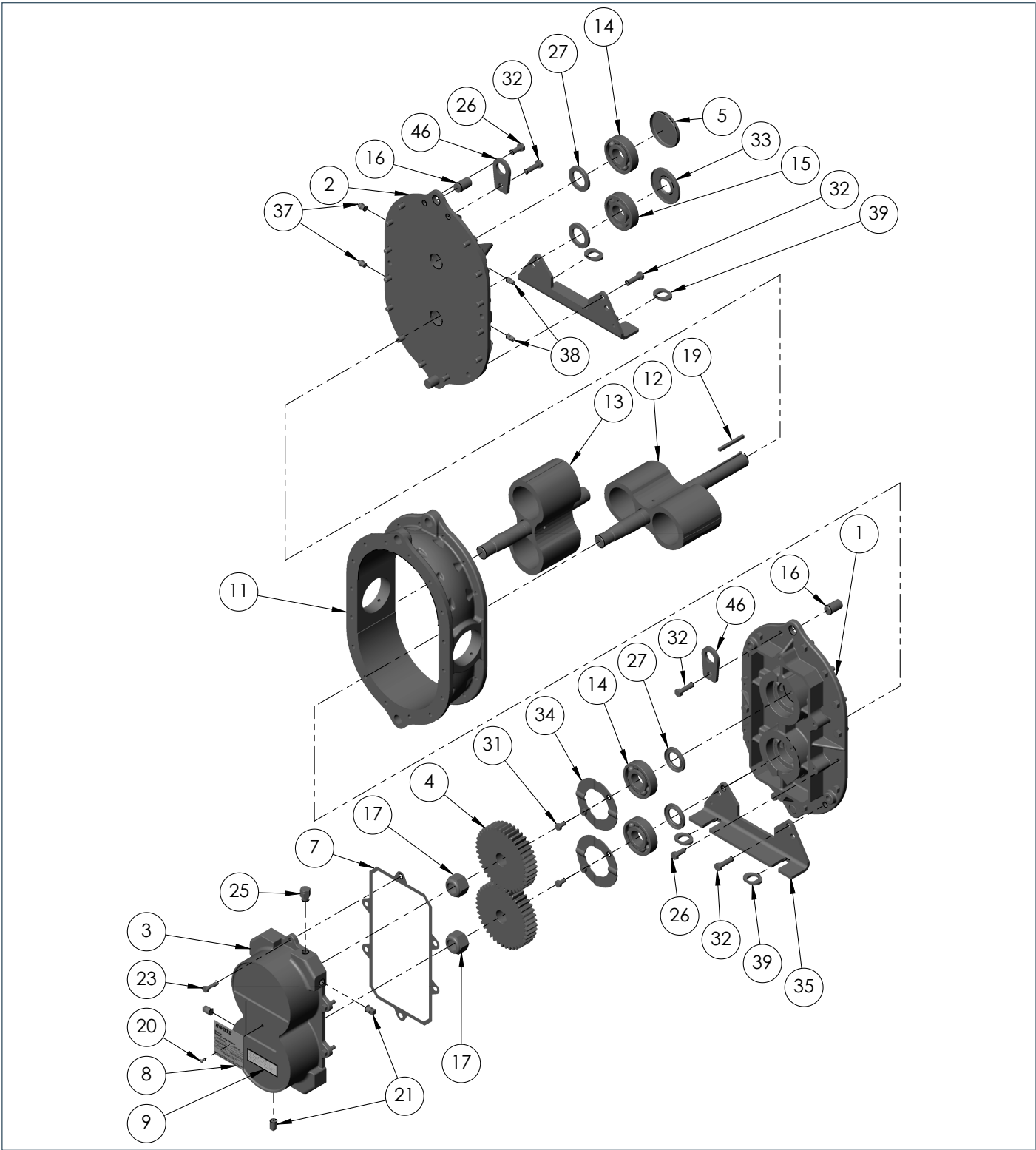


ASSEMBLY DRAWINGS

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



Assembly of Roots Universal RAI Series, Air Blowers, 2-1/2" through 5" gear diameter

Roots Universal RAI Series gas blowers Parts list 3-1/2" gear diameter

Refer to page 21 Air units and page 25 Gas units

Item #	Part name	Part number	Qty.
Non Length Parts 3-1/2" URAI, URAI-J, URAI-G, URAI-GJ			
0	HEADPLATE GEAR END	64860022	1
**1	HEADPLATE GEAR END GAS	T30084022	1
**2	HEADPLATE DRIVE END	64855022	1
**2	HEADPLATE DRIVE END GAS	T30083022	1
3	GEARBOX	65332022	1
4	TIMING GEAR SET	RC-63889021	1
5	BORE PLUG	12957003	1
7	GEARBOX GASKET	62752021	1
8	BLOWER NAMEPLATE	T20034001	1
9	LUBE LABEL	62043020	1
14	BALL BEARING	10987002	3
15	ROLLER BEARING	10222035	1
16	DOWEL PIN	10226001	4
17	HEX NUT	10319007	2
19	KEY	10825005	1
20	SELF-TAPING SCREW	10815002	1
21	PIPE PLUG	10008002	3
23	HEX HEAD SCREW	10011003	8
25	BREATHER	13005001	1
26	HEX HEAD SCREW	10019002	12
**27	LIP SEAL (INBOARD)	10005157	4
**27	MECHANICAL SEAL (GAS)	T20002001	4
31	HEX HEAD SCREW	11540003	4
32	HEX HEAD SCREW	12467007	6
33	LIP SEAL (DRIVE SHAFT)	10005172	1
34	BEARING CLAMP PLATE	64449020	2
35	BLOWER FOOT	64999021	2
***35	BLOWER FOOT GAS HORIZ.	T30091021	2
37	GREASE FITTING	10007001	2
38	VENT PLUG	13002001	2
38A	PIPE PLUG	10008001	2
39	OBLONG WASHER	12892001	4
40	SOCKET HEAD SCREW	10065022	2
***40	BUTTON HEAD SCREW	T20007002	4
***43	PIPE PLUG	T20016001	8
***44	SEALING WASHER	T20005001	4
46	LIFTING LUG	64361020	2

Item #	Part name	Part number	Qty.
Length Parts 32 URAI, URAI-G			
Ø11	CYLINDER 32	71132022	1
Ø11	CYLINDER 32 M	T30164062	1
Ø12	DRIVE IMPELLER 32	RC-201467122	1
Ø12	DRIVE IMPELLER 32 M	RC-201467122M	1
13	DRIVN IMPELLER 32	RC-201467122S	1
Length Parts 33 URAI, URAI-J, URAI-G, URAI-GJ			
*Ø11	CYLINDER 33	38992022	1
Ø11	CYLINDER 33 M	T30165062	1
*11	CYLINDER 33 J	74142023	1
Ø12	DRIVE IMPELLER 33	RC-201467222	1
Ø12	DRIVE IMPELLER 33 M	RC-201467222M	1
13	DRIVN IMPELLER 33	RC-201467222S	1
Length Parts 36 URAI, URAI-J, URAI-G, URAI-GJ			
*Ø11	CYLINDER 36	38993022	1
Ø11	CYLINDER 36 M	T30166062	1
*Ø11	CYLINDER 36 J	74168023	1
Ø11	CYLINDER 36 J M	T301290063	1
Ø12	DRIVE IMPELLER 36	RC-2014673122	1
Ø12	DRIVE IMPELLER 36 M	RC-2014673122M	1
13	DRIVN IMPELLER 36	RC-201467322S	1

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

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

*** Items are only available on gas units

Ø Unit is available in both standard and Metric configurations, confirm model before ordering parts.