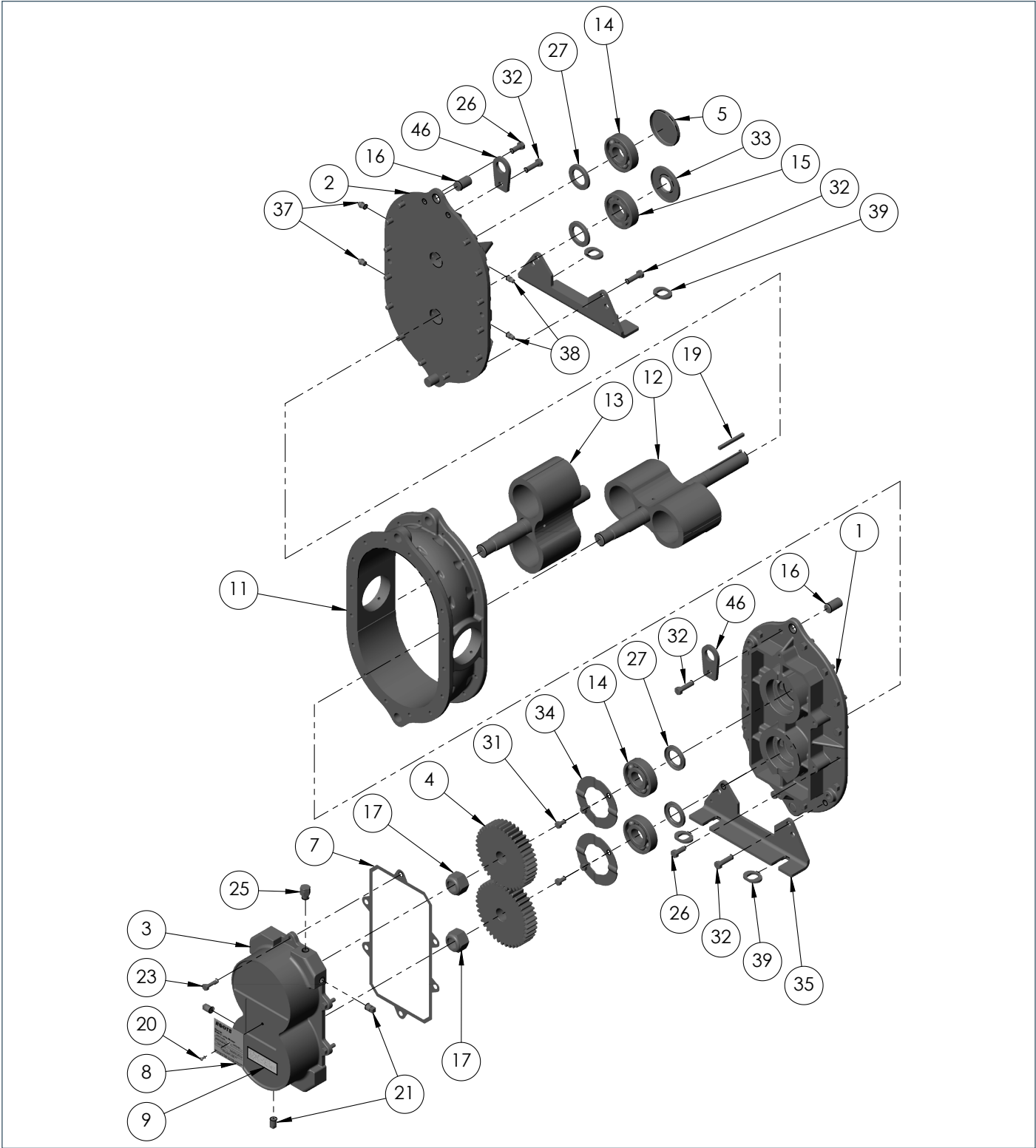


ASSEMBLY DRAWINGS

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 4" gear diameter

Refer to page 21 Air units and page 25 Gas units

Item #	Part name	Part number	Qty.
Non Length Parts 4" URAI, URAI-J, URAI-G, URAI-GJ			
1	HEADPLATE GEAR END	64607022	1
1	HEADPLATE GEAR END GAS	T30086022	1
2	HEADPLATE DRIVE END	64849022	1
2	HEADPLATE DRIVE END GAS	T30085022	1
3	GEARBOX	65333022	1
4	TIMING GEAR SET	RC-63865021	1
5	BORE PLUG	12957004	1
7	GEARBOX GASKET	62757021	1
8	BLOWER NAMEPLATE	T20034001	1
9	LUBE LABEL	62043020	1
14	BALL BEARING	10987040	3
15	ROLLER BEARING	10222036	1
16	DOWEL PIN	10226001	4
17	HEX NUT	10319009	2
19	KEY	10825023	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	10
**27	LIP SEAL (INBOARD)	10005158	4
**27	MECHANICAL SEAL (GAS)	T20002002	4
31	HEX HEAD SCREW	11540003	4
32	HEX HEAD SCREW	10019005	6
***32	HEX HEAD SCREW	10019002	6
33	LIP SEAL (DRIVE SHAFT)	12091010	1
34	BEARING CLAMP PLATE	64399020	2
35	BLOWER FOOT	65000021	2
***35	BLOWER FOOT GAS HORIZ.	T30092021	2
37	GREASE FITTING	10007001	2
38	VENT PLUG	13002001	2
38A	PIPE PLUG	10008001	2
39	OBLONG WASHER	12892001	4
***40	BUTTON HEAD SCREW	T20007002	4
42	HEX HEAD SCREW	10019017	4
***43	PIPE PLUG	T20016001	8
***44	SEALING WASHER	T20005001	4
46	LIFTING LUG	64361020	2

Item #	Part name	Part number	Qty.
Length Parts 42 URAI, URAI-J, URAI-G, URAI-GJ			
Ø11	CYLINDER 42	38995022	1
Ø11	CYLINDER 42 M	T30164062	1
Ø12	DRIVE IMPELLER 42	RC-201468122	1
Ø12	DRIVE IMPELLER 42 M	RC-201468122M	1
13	DRIVN IMPELLER 42	RC-201468122S	1
Length Parts 45 URAI, URAI-J, URAI-G, URAI-GJ			
*Ø11	CYLINDER 45	61672022	1
Ø11	CYLINDER 45 M	T30168062	1
*11	CYLINDER 45 J	74139023	1
Ø12	DRIVE IMPELLER 45	RC-201468222	1
Ø12	DRIVE IMPELLER 45 M	RC-201468222M	1
13	DRIVN IMPELLER 45	RC-201468222S	1
Length Parts 47 URAI, URAI-J, URAI-G, URAI-GJ			
*Ø11	CYLINDER 47	63636022	1
Ø11	CYLINDER 47 M	T30169062	1
*Ø11	CYLINDER 47 J	74170023	1
Ø11	CYLINDER 47 J M	T30291063	1
Ø12	DRIVE IMPELLER 47	RC-201468322	1
Ø12	DRIVE IMPELLER 47 M	RC-201468322M	1
13	DRIVN IMPELLER 47	RC-201468322S	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.