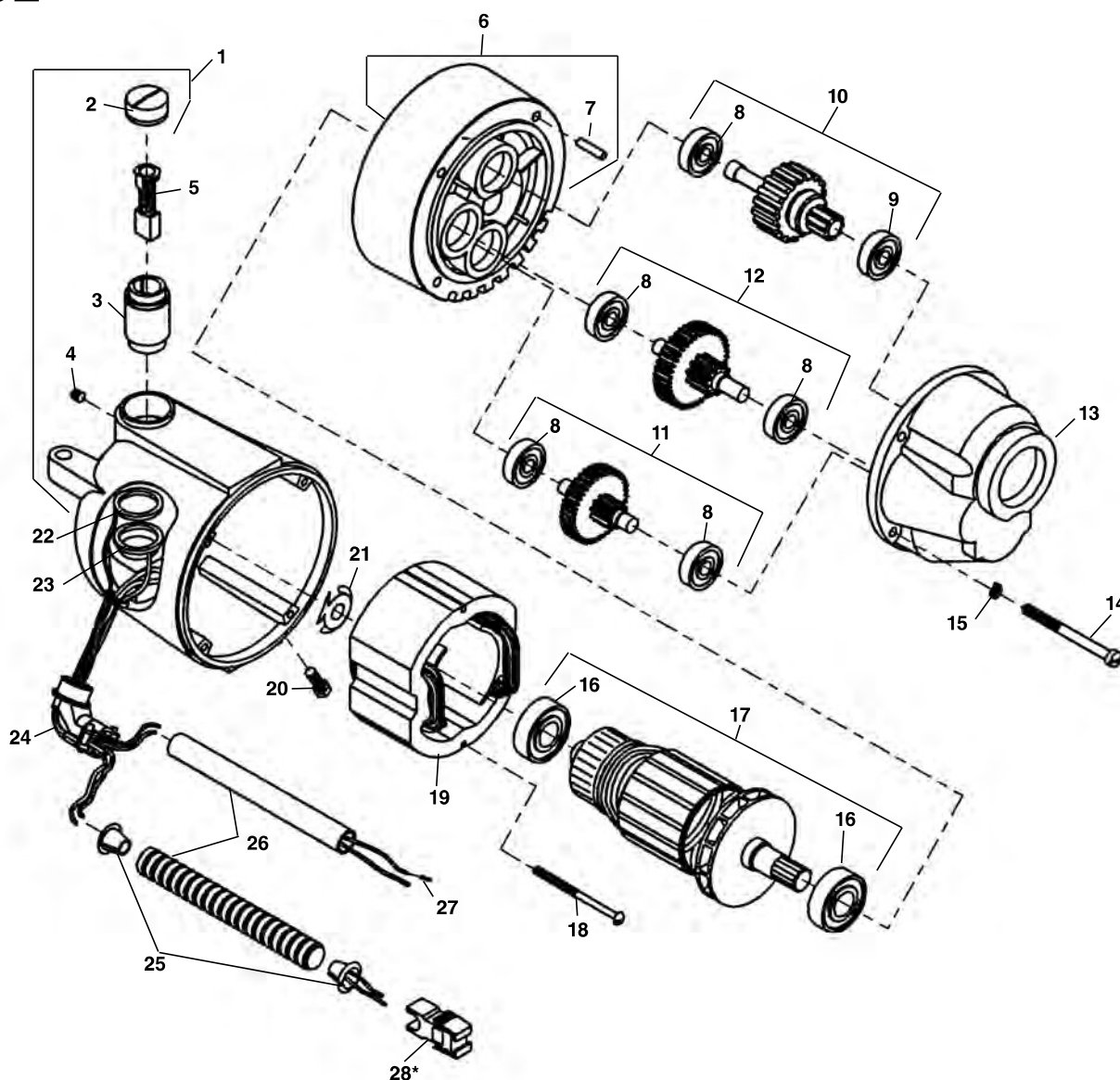


3177
3277
3177-CE
3277-CE

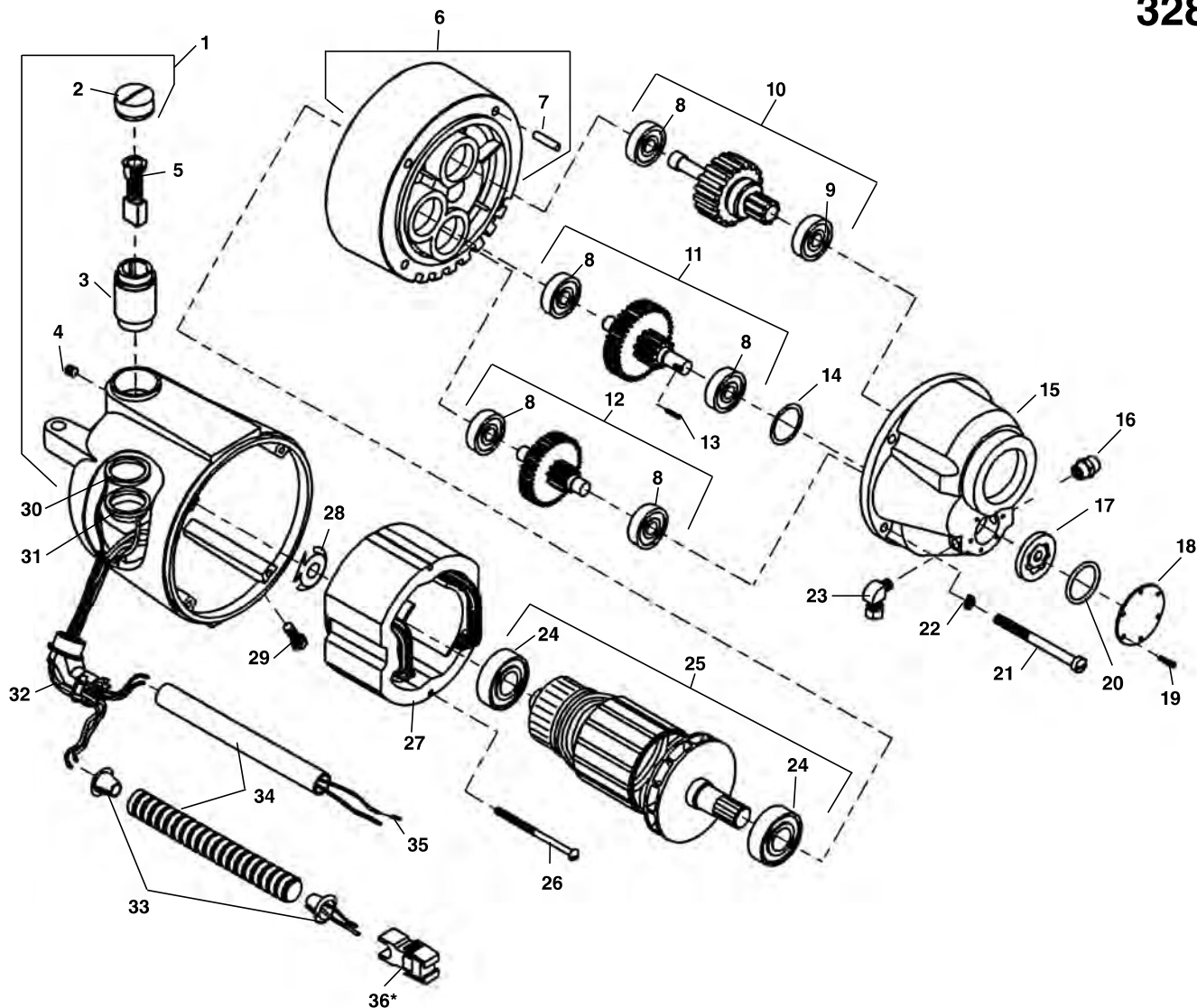


**NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.**

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
†	87740	3177 Motor 115V	10	45370	Drive Gear	20	83500	Locking Screw
†	87780	3277 Motor 230V	11	44985	1st Gear Assembly	21	44580	Loading Spring
†	61202	3177-CE Motor 115V	12	45005	2nd Gear Assembly	22	86680	White Upper Lead
†	61207	3277-CE Motor 230V	13	42875	Gear Housing	23	86685	Red Lower lead
1	43160	Housing Assembly	14	45075	Screw (4)	24	46900	Connector 90 Degree
2	44545	Brush Cap Set	15	45150	Lock Washer	25	46890	E-918 Insulator (2)
3	45025	Brush Holder Set	16	44565	Armature Bearing (2)	26	47407	Flexible Conduit
4	39770	Set Screw (2)	17	44010	Armature (115V)	27	46880	Plastic Tube (CE Only)
5	44540	Brush Assembly Set	18	44030	Armature (230V)	28*	88402	Wire Terminal (4) (CE Only)
6	43165	Fan Housing Assembly	19	44555	Mounting Screw (2)		50552	Plug (Included in Switch Box Assy. 91187)
7	45165	Dowel Pin		44015	Field (115V)			
8	45060	Gear Bearings (5)		44035	Field (230V)			
9	45315	Front Bearing						

† Refer to Speed Change Chart for Optional Speeds on Page 25

3181
3281
3181-CE
3281-CE



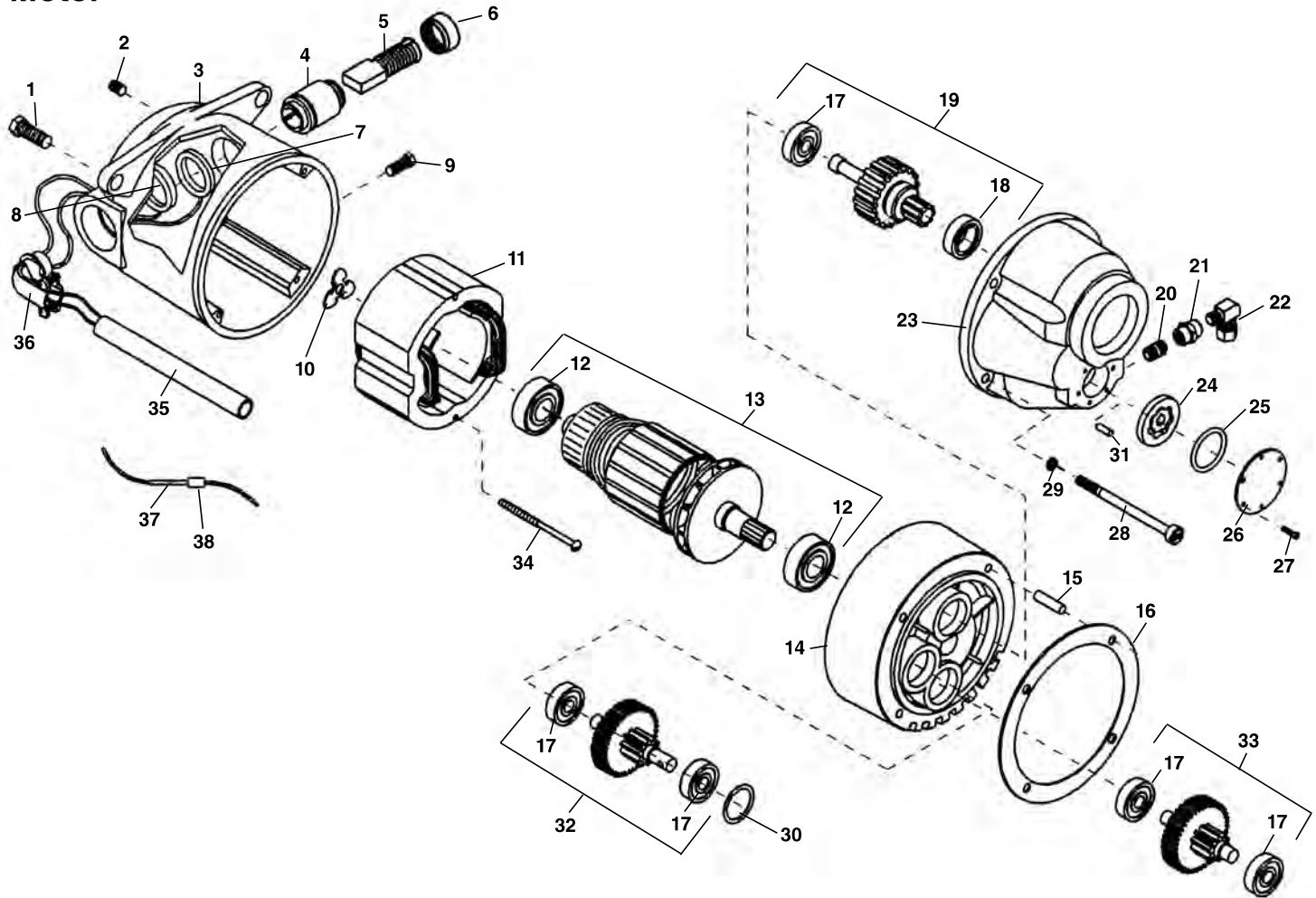
**NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.**

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
†	96810	3181 Motor 115V	12	45005	2nd Gear Assembly	26	44555	Mounting Screw (2)
†	96975	3281 Motor 230V	13	96885	Pin	27	44015	Field (115V)
†	61197	3181-CE Motor 115V	14	96880	Oil Seal		44035	Field (230V)
†	61192	3281-CE Motor 230V	15	96830	Gear Housing	28	44580	Loading Spring
1	43160	Housing Assembly	16	46830	Male Connector	29	83500	Locking Screw (2)
2	44545	Brush Cap Set	17	96870	Gerotor Set	30	86680	White Upper Lead
3	45025	Brush Holder Set	18	96840	Cover Plate	31	86685	Red Lower lead
4	39770	Set Screw (2)	19	96890	Screw (6)	32	46900	Connector 90
5	44540	Brush Assembly Set	20	96875	O Ring	33	46890	E-918 Insulator (2)
6	43165	Fan Housing Assembly	21	45075	Screw (4)	34	47407	Flexible Conduit
7	45165	Dowel Pin	22	45150	Lock Washer		46880	Plastic Tube (CE Only)
8	45060	Gear Bearings (5)	23	96910	Male Elbow	35	88402	Wire Terminal (4) (CE Only)
9	45315	Front Bearing	24	44565	Armature Bearing (2)	36*	50552	Plug (Included in Switch Box Assy. 91187)
10	45370	Drive Gear	25	44010	Armature (115V)			
11	97000	1st Gear Assembly		44030	Armature (230V)			

† Refer to Speed Change Chart for Optional Speeds on Page 25

2192
2292
2192R
2292R

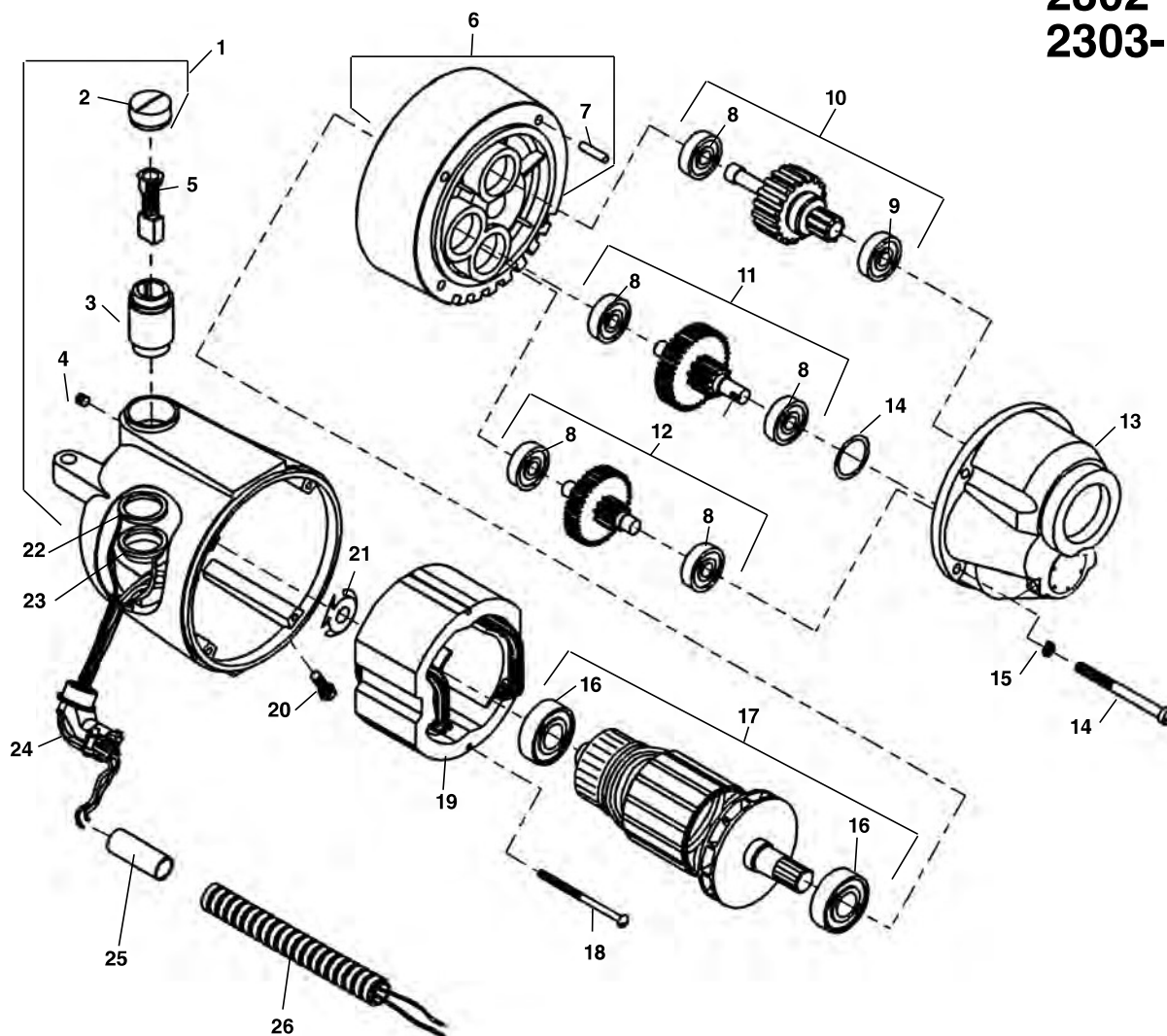
Motor



**NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.**

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
—	72127	Motor Model 2292, 230V	12	44565	Armature Bearing (2)	26	96840	Cover Plate
—	54797	Motor Model 2192R, 115V	13	52497	115V Armature	27	96890	Screw #4 x 3/8" (6)
—	54802	Motor Model 2292R, 230V	—	54542	230V Armature	28	45075	Screw 1/4" - 20
1	85915	Motor Mounting Bolt (2)	14	54552	Fan Housing Assembly	29	45150	Lock Washer 1/4"
2	39770	Set Screw 1/4" - 20 x 1/4" (2)	15	45165	Dowel Pin	30	96880	Oil Seal
3	52482	Motor Housing	16	52502	Gasket	31	96885	Pin
4	45025	Brush Holder Set (2)	17	44760	Gear Bearing	32	52522	1st Gear Assembly
5	44540	Brush Assembly Set (2)	18	45315	Front Bearing	33	54547	2nd Gear Assembly
6	44545	Brush Cap Set (2)	19	54537	Main Drive Gear Assembly	34	44555	Screw 10 - 24 x 3"
7	86685	Red Brush Lead	20	52507	1/8" NPT Close Nipple (2)	35	63382	Plastic Tube
8	86680	White Brush Lead	21	52512	1/8" Coupling (2)	36	46900	90 Connector
9	83500	Field Locking Screw	22	52517	Elbow Compression Fitting (2)	—	47412	Male Wire Connector
10	44580	Loading Spring	23	96830	Gear Case	—	52537	Female Wire Connector
11	44015	Field 100/115V	24	96870	Gerotor Set	37	16946	Male Connector
—	44035	Field 230V	25	96875	"O" Ring	38	16956	Female Connector

1102-CE
1103-CE
2302-CE
2303-CE

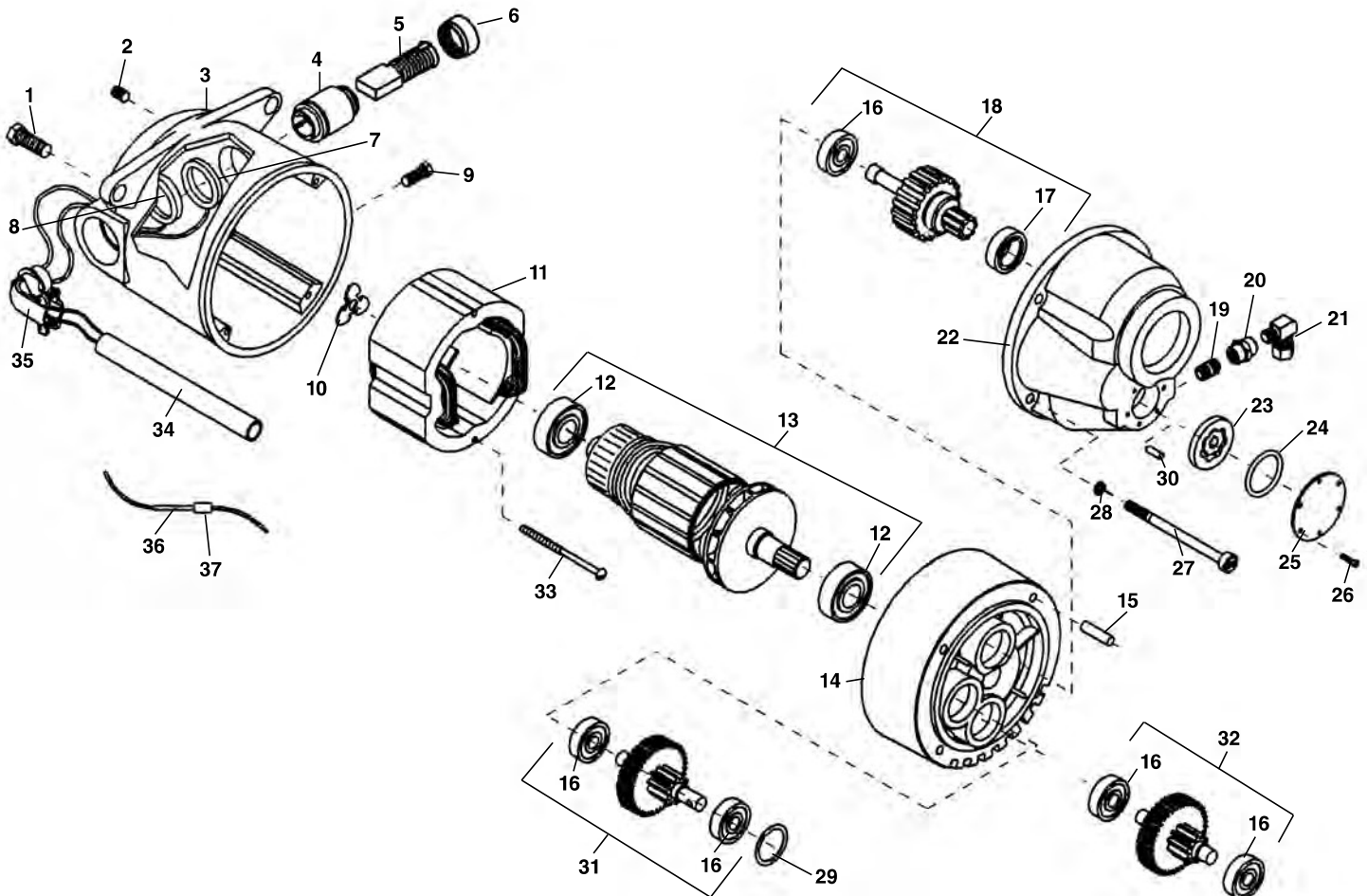


**NOTE: Order parts by Catalog Number only.
DO NOT order by Reference Number.**

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	43160	Housing Assembly	11	44985	1st Gear Assembly	17	44010	Armature 1103-CE (115V)
2	44545	Brush Cap Set			1103-CE and 2303-CE	44030		Armature 2303-CE (230V)
3	45025	Brush Holder Set		62022	1st Gear Assembly	52497		Armature 1102-CE (115V)
4	39770	Set Screw (2)			1102-CE and 2302-CE	52492		Armature 2302-CE (230V)
5	44540	Brush Assembly Set	12	45005	2nd Gear Assembly	18	44555	Mounting Screw (2)
6	43165	Fan Housing Assembly			1103-CE and 2303-CE	19	44015	Field (115V)
	54552	Fan Housing Assembly		52527	2nd Gear Assembly		44035	Field (230V)
		1102-CE and 2302-CE	13	42875	Gear Housing	20	83500	Locking Screw (2)
7	45165	Dowel Pin	14	45075	Screw (4)	21	44580	Loading Spring
8	45060	Gear Bearings (5)	15	45150	Lock Washer	22	86680	White Upper Lead
9	45315	Front Bearing	16	44565	Armature Bearing (2)	23	86685	Red Lower lead
10	45370	Drive Gear				24	46900	Connector 90 Degree
						25	63377	Ferrite Bead
						26	95690	Flexible Conduit

Motor

3092
3192
3292
3192R
3292R



**NOTE: Order parts by Catalog Number only.
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Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
—	52457	Motor Model 3092, 100V	11	44015	Field 100/115V	23	96870	Gerotor Set
—	52462	Motor Model 3192, 115V	—	44035	Field 230V	24	96875	O-Ring
—	52467	Motor Model 3292, 230V	12	44565	Armature Bearing (2)	25	96840	Cover Plate
—	52472	Motor Model 3192R, 115V Rev.	13	52487	100V Armature	26	96890	Screw #4 x 3/8" (6)
—	52477	Motor Model 3292R, 230V Rev.	—	52497	115V Armature	27	45075	Screw 1/4" - 20
1	85915	Motor Mounting Bolt (2)	—	52492	230V Armature	28	45150	Lockwasher 1/4"
2	39770	Set Screw 1/4" - 20 x 1/4" (2)	14	54552	Fan Housing Assembly	29	96880	Oil Seal
3	52482	Motor Housing	15	45165	Dowel Pin	30	96885	Pin
4	45025	Brush Holder Set (2)	16	44760	Gear Bearing	31	52522	1st Gear Assembly
5	44540	Brush Assembly Set (2)	17	45315	Front Bearing	32	52527	2nd Gear Assembly
6	44545	Brush Cap Set (2)	18	45370	Main Drive Gear Assembly	33	44555	Screw 10-24 x 3"
7	86685	Red Brush Lead	19	52507	1/8" NPT Close Nipple (2)	34	63382	Plastic Tube
8	86680	White Brush Lead	20	52512	1/8" Coupling (2)	35	46900	90 Connector
9	83500	Field Locking Screw	21	52517	Elbow Compression Fitting (2)	36	16946	Male Wire Connector
10	44580	Loading Spring	22	96830	Gear Case	37	16956	Female Wire Connector