



***PRIME-AIRE<sup>®</sup>* SERIES**  
**PUMP MODEL**  
**PA6A60-F4L**

**MANUAL**  
**PART 2 of 3**

**PARTS**  
**LIST**  
**WITH**  
**PERFORMANCE CURVE**

**THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO**

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA Printed in U.S.A.

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Valid serial number and e-mail address required.



**The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.**

### **RECORD YOUR PUMP MODEL AND SERIAL NUMBER**

Please record your pump model and serial number in the spaces provided below. Your Gorman-Rupp distributor needs this information when you require parts or service.

Pump Model: \_\_\_\_\_

Serial Number: \_\_\_\_\_

## PERFORMANCE CURVE – SECTION A

### RECORDING MODEL AND SERIAL NUMBERS

Please record the pump model and serial number in the spaces provided below and in the separate Installation/Operation Manual accompanying your pump. Your Gorman-Rupp distributor needs this information when you require parts or service.

Pump Model: \_\_\_\_\_

Serial Number: \_\_\_\_\_

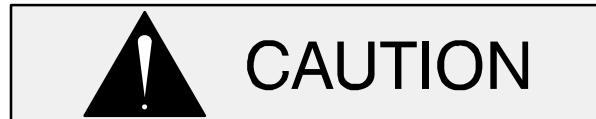
### WARRANTY INFORMATION

The pump warranty is provided as part of Gorman-Rupp's support program for customers who operate and maintain their equipment as described in this manual and other accompanying literature. Please note that should the equipment be abused or modified to change its performance beyond the original factory specifications, the warranty will become void and any claim will be denied.

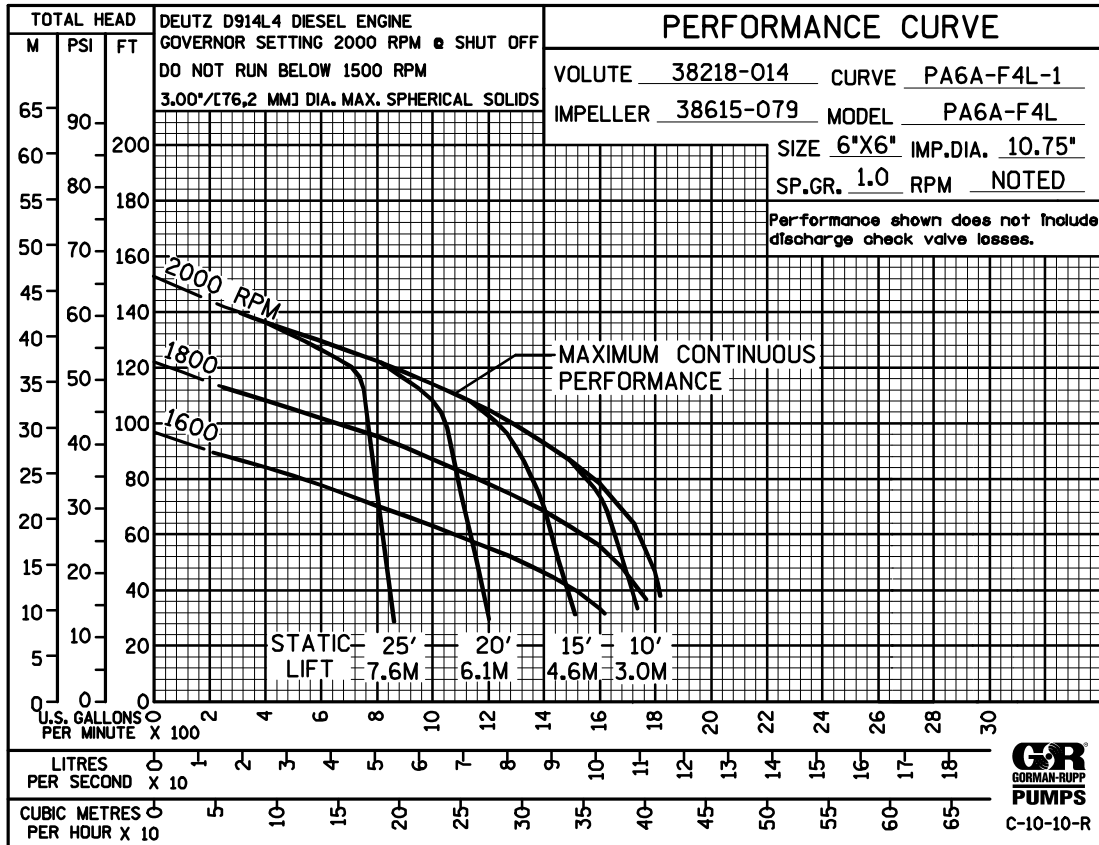
### PERFORMANCE CURVE

The performance curve on the following page is based on 70°F (21°C) clear water at sea level with minimum suction lift. Since pump installations are seldom identical, your performance may be different due to such factors as viscosity, specific gravity, elevation, temperature, and impeller trim.

If your pump serial number is followed by an "N", your pump is **NOT** a standard production model. Contact the Gorman-Rupp Company to verify performance or part numbers.

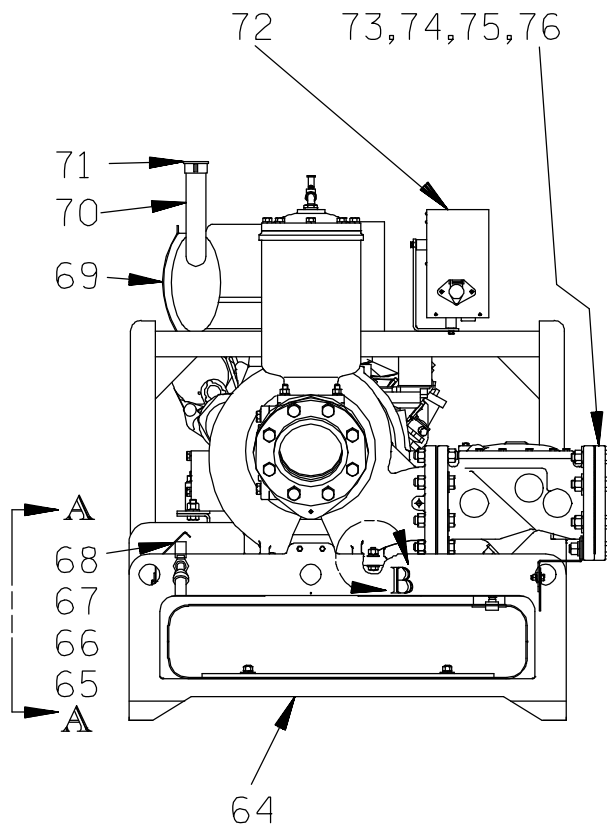
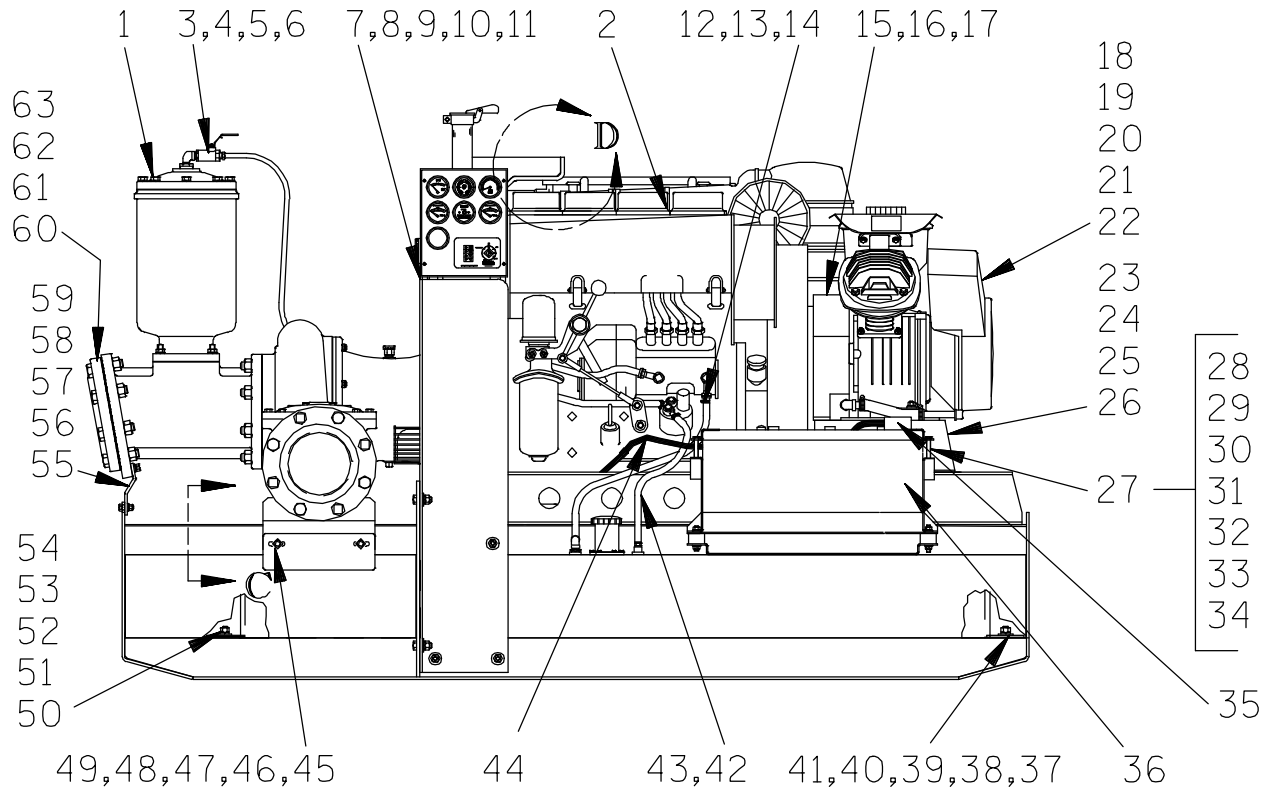


Pump speed and operating condition points must be within the continuous performance range shown on the curve.



Performance Curve – Model PA6A60–F4L

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**PARTS LIST**  
**Pump Model PA6A60—F4L**

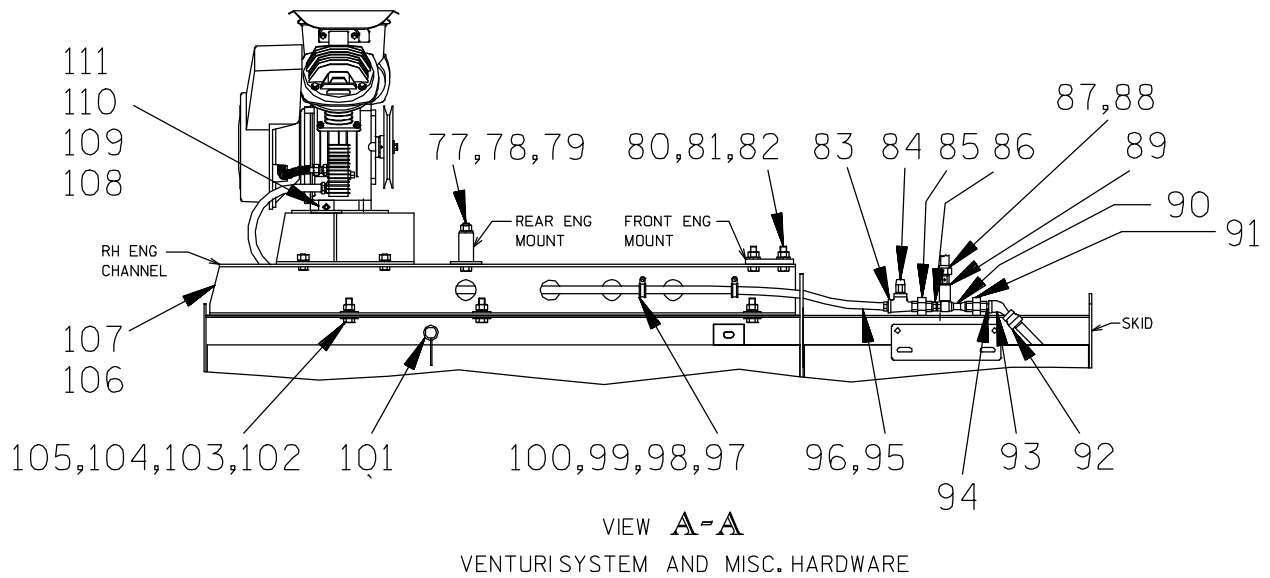
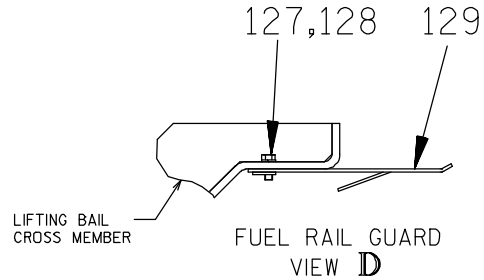
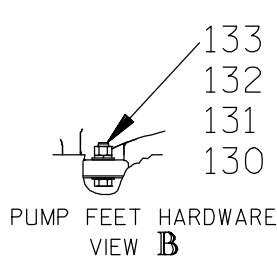
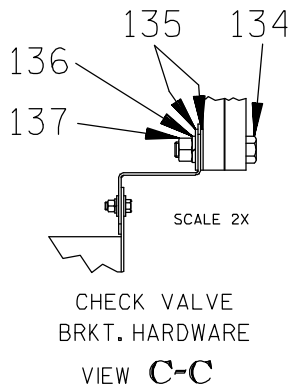
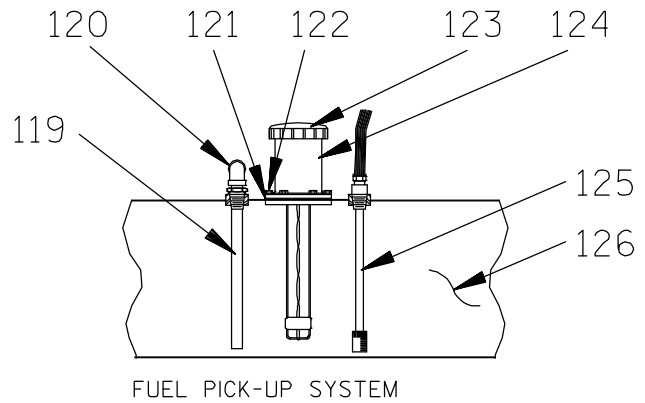
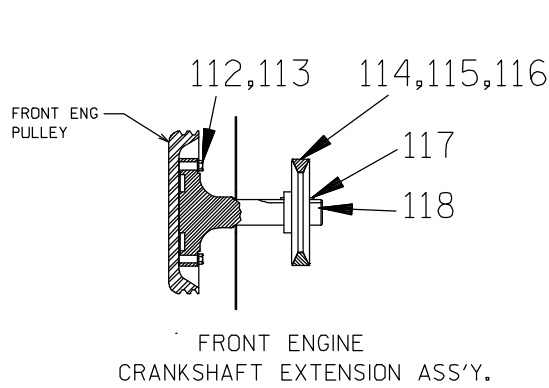
If your pump serial number is followed by an "N", your pump is **NOT** a standard production model. Contact the Gorman-Rupp Company to verify part numbers.

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP ASSEMBLY	PA6A60—(SAE 4/10)		1	39	HEX NUT	D08	15991	2
2	DEUTZ F4L ENGINE	29217-421	----	1	40	LOCK WASHER	J08	15991	2
3	REDUCER BUSHING	AP1608	11999	1	41	FLAT WASHER	K08	15991	2
4	HOSE BARB FITTING	26523-047	----	1	42	MALE CONNECTOR	S1447	----	1
5	CONNECTOR 1/2	S1598	----	1	43	HOSE ASSY	46341-812	----	1
6	3.25' HOSE	18513-113	----	1	44	POS CABLE ASSY	47311-118	----	1
7	LIFTING BAIL	44711-019	24150	1	45	CHECK VALVE BRKT	34518-017	15120	1
8	HEX HD CAP SCREW	B0805	15991	10	46	HEX HD CAP SCREW	B0604	15991	2
9	HEX NUT	D08	15991	8	47	HEX NUT	D06	15991	2
10	LOCK WASHER	J08	15991	10	48	LOCK WASHER	J06	15991	2
11	FLAT WASHER	K08	15991	12	49	FLAT WASHER	K06	15991	4
12	4' HOSE	18513-302	----	1	50	FUEL TANK RETAINER	33541-039	15120	1
13	HOSE CLAMP	26518-642	----	2	51	HEX HD CAP SCREW	B0806	15991	2
14	HOSE BARB FITTING	26523-333	----	2	52	HEX NUT	D08	15991	2
15	BELT GUARD ASSY	42353-020	----	1	53	LOCK WASHER	J08	15991	2
16	HEX HD CAP SCREW	B0604	15991	2	54	FLAT WASHER	K08	15991	2
17	LOCK WASHER	J06	15991	2	55	PRIM CHMBR BRKT	34535-010	15120	1
18	AIR COMPRESSOR ASSY	46181-902	----	1	56	HEX HD CAP SCREW	B0604	15991	3
19	HEX HD CAP SCREW	B0605 1/2	15991	4	57	HEX NUT	D06	15991	2
20	LOCK WASHER	J06	15991	4	58	LOCK WASHER	J06	15991	3
21	FLAT WASHER	K06	15991	4	59	FLAT WASHER	K06	15991	3
22	FLAT WASHER	21161-501	15991	4	60	SUCTION FLANGE	1758	10010	1
23	A/C MTG BRKT ASSY	41881-557	24150	1	61	GASKET	1679G	18000	1
24	HEX HD CAP SCREW	B0805	15991	4	62	HEX HD CAP SCREW	B1212	15991	8
25	HEX NUT	D08	15991	4	63	HEX NUT	D12	15991	8
26	LOCK WASHER	J08	15991	4	64	SKID ASSY	41565-570	24150	1
27	BATTERY BOX ASSY	42432-003	----	1	65	VENTURI GUARD ASSY	42381-067	----	1
28	-HEX HD CAP SCREW	B0608	15991	2	66	HEX HD CAP SCREW	B0504	15991	2
29	-FLAT WASHER	KE06	15991	2	67	LOCK WASHER	J05	15991	2
30	-HEX NUT W/FLG	21765-314	----	10	68	FLAT WASHER	K05	15991	2
31	-BATTERY BOX LID	42113-012	24150	1	69	MUFFLER GUARD ASSY	42331-031	----	1
32	-BATTERY BOX ASSY	42431-030	24150	1	70	EXHAUST ELBOW	31912-023	15990	1
33	-STUD MOUNT	24631-006	----	4	71	RAIN CAP	S1331	----	1
34	-BATTERY TAG	38818-506	----	1	72	CONTROL PANEL KIT	48122-530	----	1
35	GROUND CABLE ASSY	47311-064	----	1	73	DISCHARGE FLANGE	1758	10010	1
36	12V BATTERY	SEE OPTIONS			74	GASKET	1679G	18000	1
37	FUEL TANK RETAINER	33541-039	15120	1	75	HEX HD CAPSCREW	B1213	15991	6
38	HEX HD CAP SCREW	B0806	15991	2	76	HEX NUT	D12	15991	6

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**PARTS LIST**  
**Pump Model PA6A60—F4L**

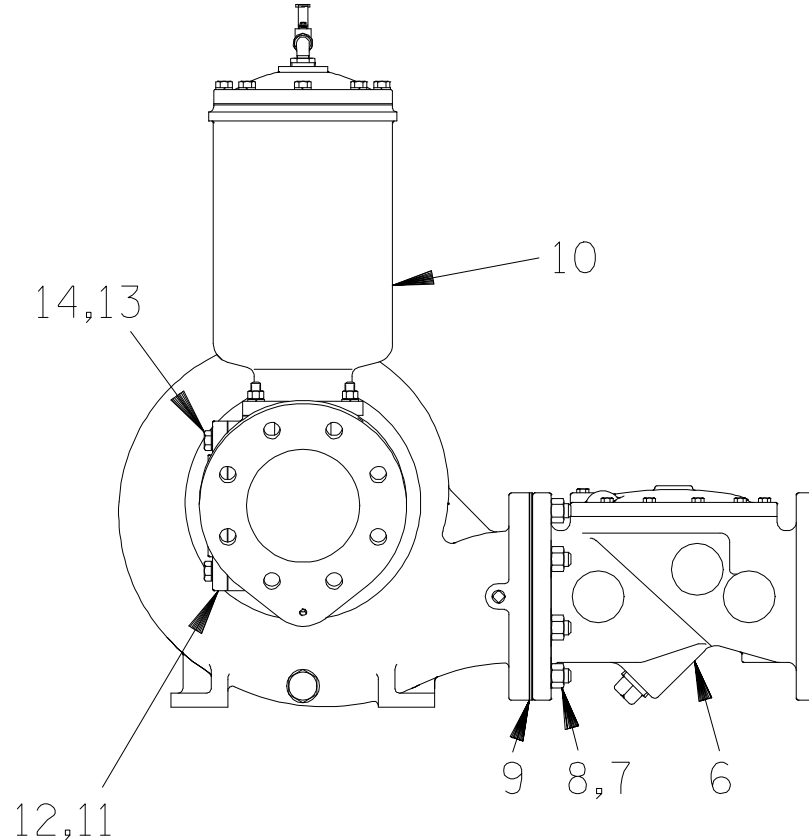
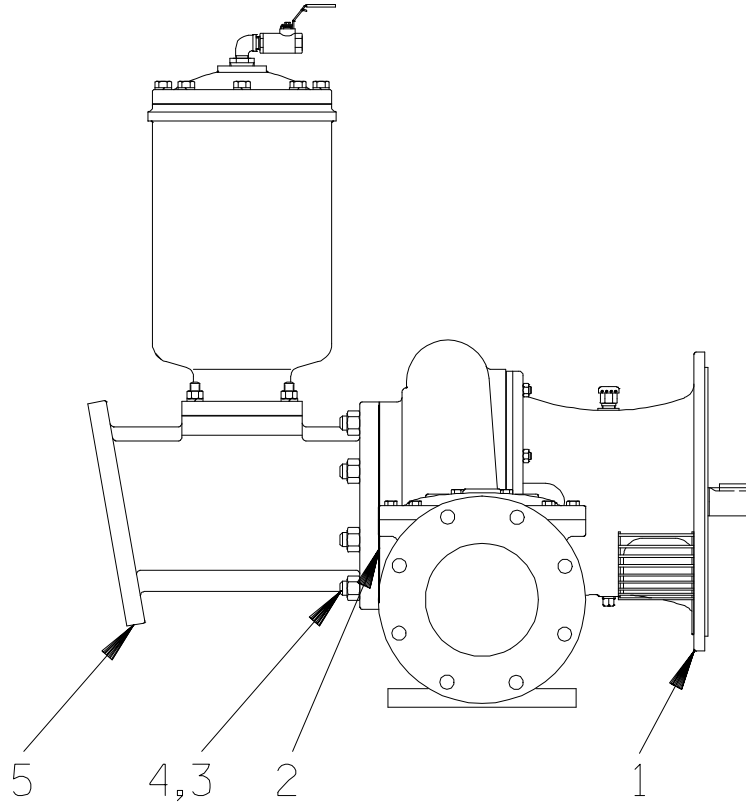
ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
77	HEX HD CAP SCREW	B1017	15991	2	123	FUEL GAUGE/CAP	29332-133	----	1
78	HEX NUT	D10	15991	2	124	FILLER NECK	29332-152	----	1
79	LOCKWASHER	J10	15991	2	125	FUEL PICK-UP	29332-143	----	1
80	HEX HD CAP SCREW	B1008	15991	4	126	FUEL TANK	46711-082	----	1
81	HEX NUT	D10	15991	4	127	HEX HD CAP SCREW	B0604	15991	1
82	LOCK WASHER	J10	15991	4	128	LOCK WASHER	J06	15991	1
83	SERVICE TEE	US08	11999	1	129	FUEL RAIL GUARD	42381-074	24150	1
84	RELIEF VALVE	26662-028	----	1	130	HEX HD CAPSCREW	B0808	15991	2
85	PIPE UNION	AH08	11999	1	131	FLAT WASHER	K08	15991	4
86	REDUCER BUSHING	AP0806	15079	1	132	LOCK WASHER	J08	15991	2
87	MALE HOSE END	26525-020	----	1	133	HEX NUT	D08	15991	2
88	CHECK VALVE	26641-092	----	1	134	HEX HD CAP SCREW	B1214	15991	2
89	PIPE COUPLING	AE08	15079	1	135	FLAT WASHER	K12	15991	4
90	VENTURI	26817-002	----	1	136	LOCK WASHER	J12	15991	2
91	PIPE UNION	AH08	11999	1	137	HEX NUT	D12	15991	2
92	REDUCER PIPE BUSH	AE1208	15079	1	NOT SHOWN:				
93	45° STREET ELBOW	AGS08	11999	1		INSTRUCTION DECAL	38818-144	----	1
94	PIPE NIPPLE	T08	15079	1		WARNING DECAL	38816-063	----	2
95	6.5' HOSE	18513-304	----	1		LUBE DECAL	38816-079	----	1
96	HOSE BARB FITTING	26525-021	----	2		SUCTION STICKER	6588AG	----	1
97	HEX HD CAP SCREW	B#10-03	15991	2		DISCHARGE STICKER	6588BJ	----	1
98	HEX NUT	D#10	15991	2		RPM DECAL	38816-240	----	1
99	LOCK WASHER	J#10	15991	2		LIFT DECAL	38816-345	----	2
100	CABLE CLAMP	27111-346	----	2		PA DECAL	38812-078	----	2
101	OIL DRAIN ASSY	46342-007	----	1		INSTRUCTION DECAL	38816-194	----	1
102	HEX HD CAP SCREW	B1007	15991	6		V-BELT TENSION DECAL	38816-049	----	1
103	HEX NUT	D10	15991	6		WARNING DECAL	2613FE	----	2
104	LOCK WASHER	J10	15991	6		STRAINER	7823A	24000	1
105	FLAT WASHER	K10	15991	12		FLOAT SWITCH KIT	48312-980	----	1
106	ENG SUPP CH—LH	34451-077	15080	1		ENG START UP TAG	38816-269	----	1
107	ENG SUPP CN—RH	34451-076	15080	1		INSTRUCTION TAG	38817-085	----	1
108	MOTOR TENSIONER	41327-031	24150	1		WARNING DECAL	38816-203	----	3
109	HEX NUT	D08	15991	1		G-R DECAL	GR-06	----	2
110	LOCK WASHER	J08	15991	1		LOW SULFER			
111	FLAT WASHER	K08	15991	1		FUEL DECAL	38816-196	----	1
112	HEX HD CAP SCREW	22645-136	----	4	OPTIONAL:				
113	LOCK WASHER	21171-510	----	4		* 12V BATTERY	29331-506	----	1
114	ENG PULLEY	24214-002	----	1		TWO FLOAT SWITCH KIT	48312-981	----	1
115	Q.D. BUSHING	24131-553	----	1		FUEL TANK KIT	46711-083	----	1
116	V-BELT	24166-011	----	1		REP MUFFLER GRD ASSY	42331-049	----	1
117	KEY	N0405	15990	1	HIGHWAY TRAILER:				
118	CRANKSHAFT EXT	38531-009	11010	1		-2" BALL COUPLER	41583-776	----	1
119	FUEL RETURN ASSY	46331-015	24150	1		-3" I.D. PINTLE EYE	41583-777	----	1
120	PIPE ELBOW	R04	11999	1		REPAIR CONTROL PANEL			
121	FILLER NECK GASKET	38683-270	19060	1		INSTALLATION KIT	48122-531	----	1
122	HEX HD CAP SCREW	B#10-02S	15991	6					

INDICATES PARTS RECOMMENDED FOR STOCK

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**PARTS LIST**  
**PA6A60—(SAE 4/10) Pump Assembly**

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP END ASSY	66E60—(SAE4/10)	---	1
2	* PUMP CASING GSKT	1679G	18000	1
3	STUD	C1211	15991	8
4	HEX NUT	D12	15991	8
5	6" HOPPER SPOOL	38642—507	10000	1
6	CHECK VALVE ASSY	26642—126	---	1
	—FLAPPER	26688—001	---	1
	—COVER O-RING	25152—377	---	1
7	STUD	C1211	15991	8
8	HEX NUT	D12	15991	8
9	* CHECK VALVE GASKET	25113—036	---	1
10	PRIMING CHAMBER ASSY	48275—005	---	1
11	4" BLIND FLANGE	25353—908	---	1
12	4" GASKET	25113—034	---	1
13	HEX HEAD CAP SCREW	B1008	15991	8
14	LOCKWASHER	J10	15991	8

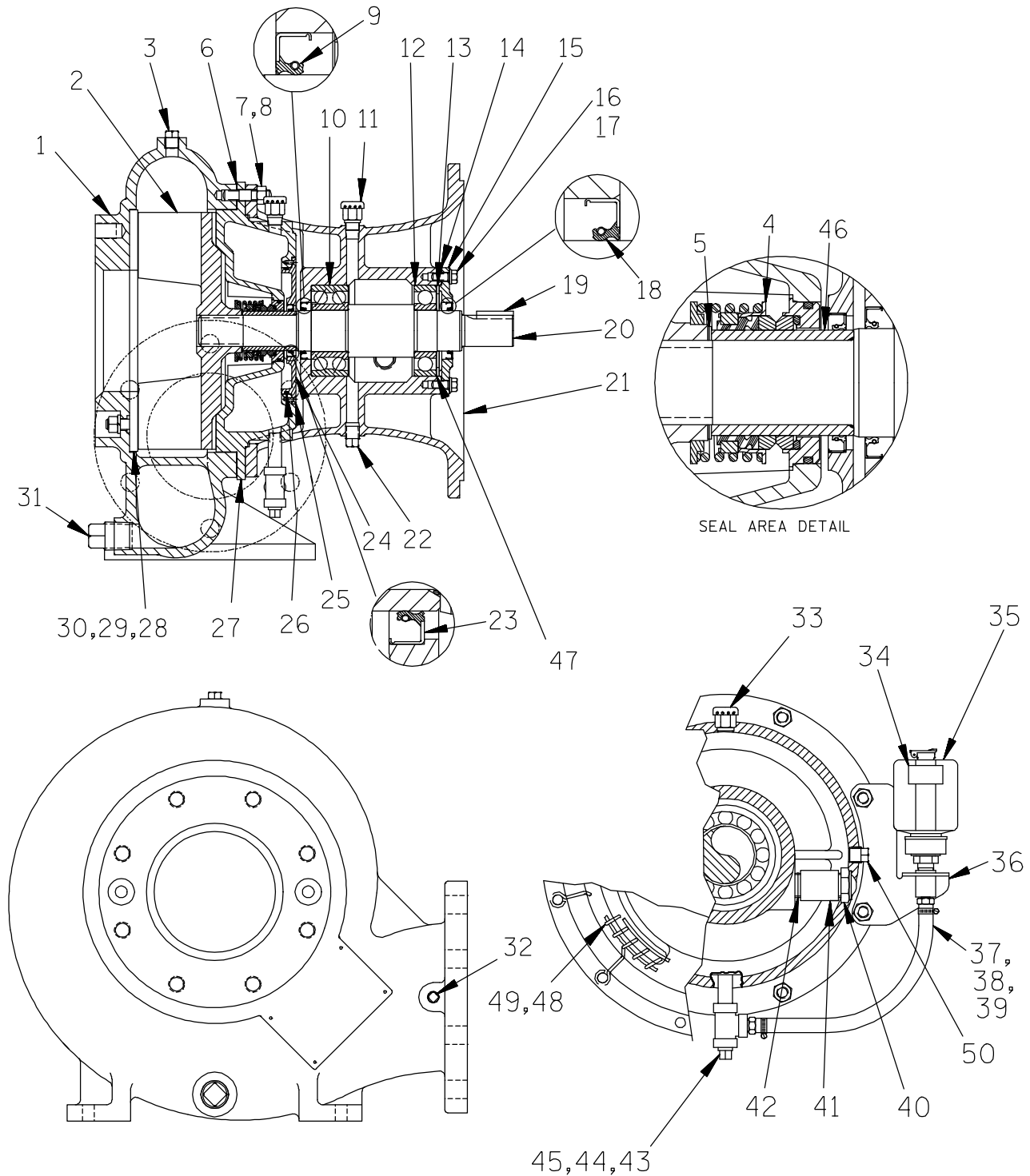
## NOT SHOWN:

G-R DECAL	GR—06	---	1
LUBE DECAL	38816—079	---	1
SUCTION STICKER	6588AG	---	1
DISCHARGE STICKER	6588BJ	---	1
WARNING DECAL	2613FE	---	1
STRAINER	7823A	24000	1

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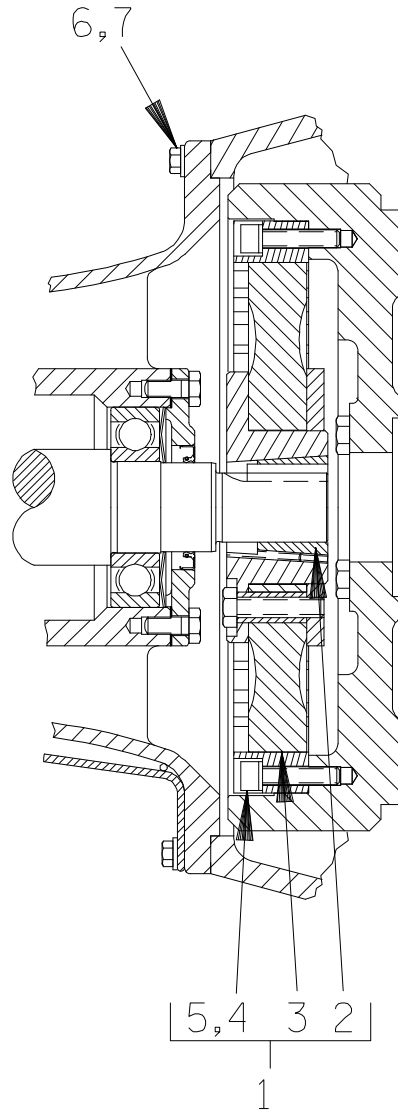
**PARTS LIST**  
**66E60—(SAE4/10) Pump End Assembly**

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP CASING	38218-014	10000	1	28 *	WEAR PLATE ASSY	46451-746	24150	1
2 *	IMPELLER ASSY	46151-409	---	1	29	HEX NUT	D08	15991	2
3	PIPE PLUG	P06	15079	1	30	LOCKWASHER	J08	15991	2
4 *	SEAL ASSY	46512-048	---	1	31	PIPE PLUG	P16	10009	1
5 *	ADJ SHIM SET	5091	17090	1	32	PIPE PLUG	P04	15079	1
6 *	CASING GASKET SET	34G	18000	1	33	AIR VENT	S1703	---	1
7	STUD	C0809	15991	8	34	OIL LEVEL DECAL	38816-123	---	1
8	HEX NUT	D08	15991	8	35	BOTTLE OILER	26713-004	---	1
9 *	OIL SEAL	25258-622	---	1	36	BOTTLE OILER BRKT	41881-619	24150	1
10 *	INBOARD BALL BEARING	23421-461	---	1	37	MALE CONNECTOR	26523-409	---	2
11	AIR VENT	S1703	---	1	38	HOSE	18513-054	---	1
12 *	OUTBOARD BALL BRG	S1077	---	1	39	HOSE CLAMP	26518-642	---	2
13	THRUST WASHER	31133-197	15210	1	40	OIL LVL SIGHT GAUGE	S1471	---	1
14 *	BRG COVER GSKT	5413G	18000	1	41	PIPE COUPLING	AE12	15079	1
15	BEARING CAP	4185A	10010	1	42	PIPE NIPPLE	T12	15079	1
16	HEX HD CAPSCREW	B0604	15991	4	43	PIPE NIPPLE	T0608	15079	1
17	LOCKWASHER	J06	15991	4	44	PIPE TEE	U06	11999	1
18 *	OIL SEAL	25258-622	---	1	45	SEAL CVTY DRAIN PLUG	P06	15079	1
19 *	IMP SHAFT KEY	N0607	15990	1	46 *	SHAFT SLEEVE	31163-016	1706H	1
20 *	IMPELLER SHAFT	38514-807	1706H	1	47 *	BRG SHIM SET	8546	15990	1
21	INTERMEDIATE	38263-614	10010	1	48	INTERMEDIATE GUARD	42381-031	24152	1
22	BRG CAV DRAIN PLUG	P06	15079	1	49	INTERMEDIATE GUARD	42381-032	24152	1
23 *	OIL SEAL	25258-620	---	1	50	PIPE PLUG	P06	15079	2
24	SEAL PLATE COVER	38242-707	10000	1		NOT SHOWN:			
25	FH MACHINE SCREW	Y#10-02	15991	4		DRIVE ASSY	44162-119	---	1
26 *	SEAL PLATE O-RING	25152-256	---	1		NAME PLATE	38818-127	13000	1
27	SEAL PLATE	38272-527	10000	1		DRIVE SCREW	BM#04-03	17000	4

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**PARTS LIST**  
**44162—119 Drive Assembly**

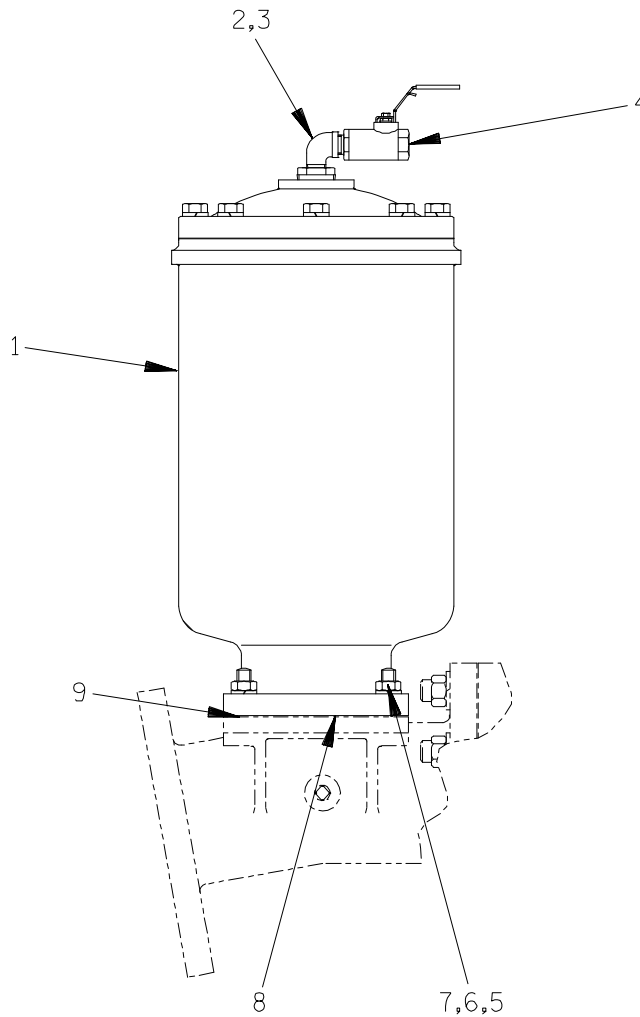
ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	COUPLING KIT	48112—001	---	1
2	—BUSHING	24131—345	---	1
3	—COUPLING ASSEMBLY	44165—011	---	1
4	—LOCKWASHER	21171—536	---	8
5	—SOCKET HD CAPSCREW	22644—220	---	8
6	HEX HD CAPSCREW	B0605	---	12
7	LOCKWASHER	J06	---	12

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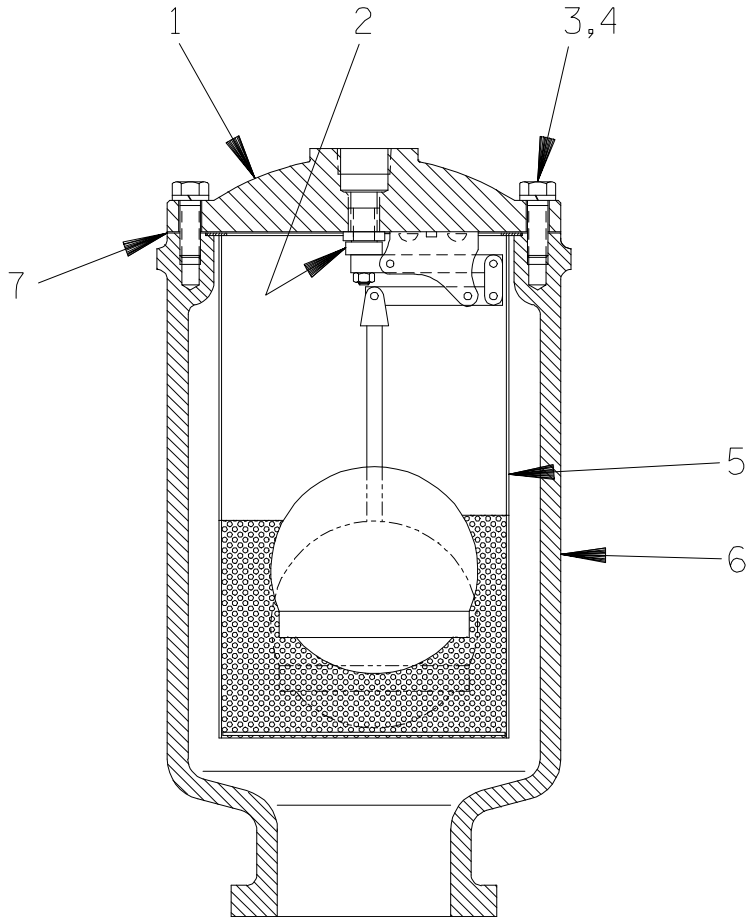
**PARTS LIST**  
**48275—005 Priming Chamber Kit**

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PRIMING HOPPER ASSY	46112—709	---	1
2	PIPE BUSHING	AP1608	11999	1
3	STREET ELBOW	RS08	11999	1
4	BALL VALVE	26631—052	---	1
5	STUD	C0809	15991	4
6	HEX NUT	D08	15991	4
7	LOCK WASHER	J08	15991	4
8	* GASKET	38687—053	19060	1
9	BAFFLE	31113—011	17000	1

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**PARTS LIST**  
**46112—709 Priming Chamber Assembly**

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PRIMING VALVE	26664—007	---	1
2	—ORIFICE BUTTON	26688—021	---	1
3	HEX HD CAPSCREW	B0806	15991	8
4	LOCKWASHER	J08	15991	8
5	STRAINER ASSY	46641—222	17000	1
6	PRIMING CHAMBER	38343—020	10000	1
7	* PRIMING VALVE GASKET	38683—657	19060	1

\* INDICATES PARTS RECOMMENDED FOR STOCK

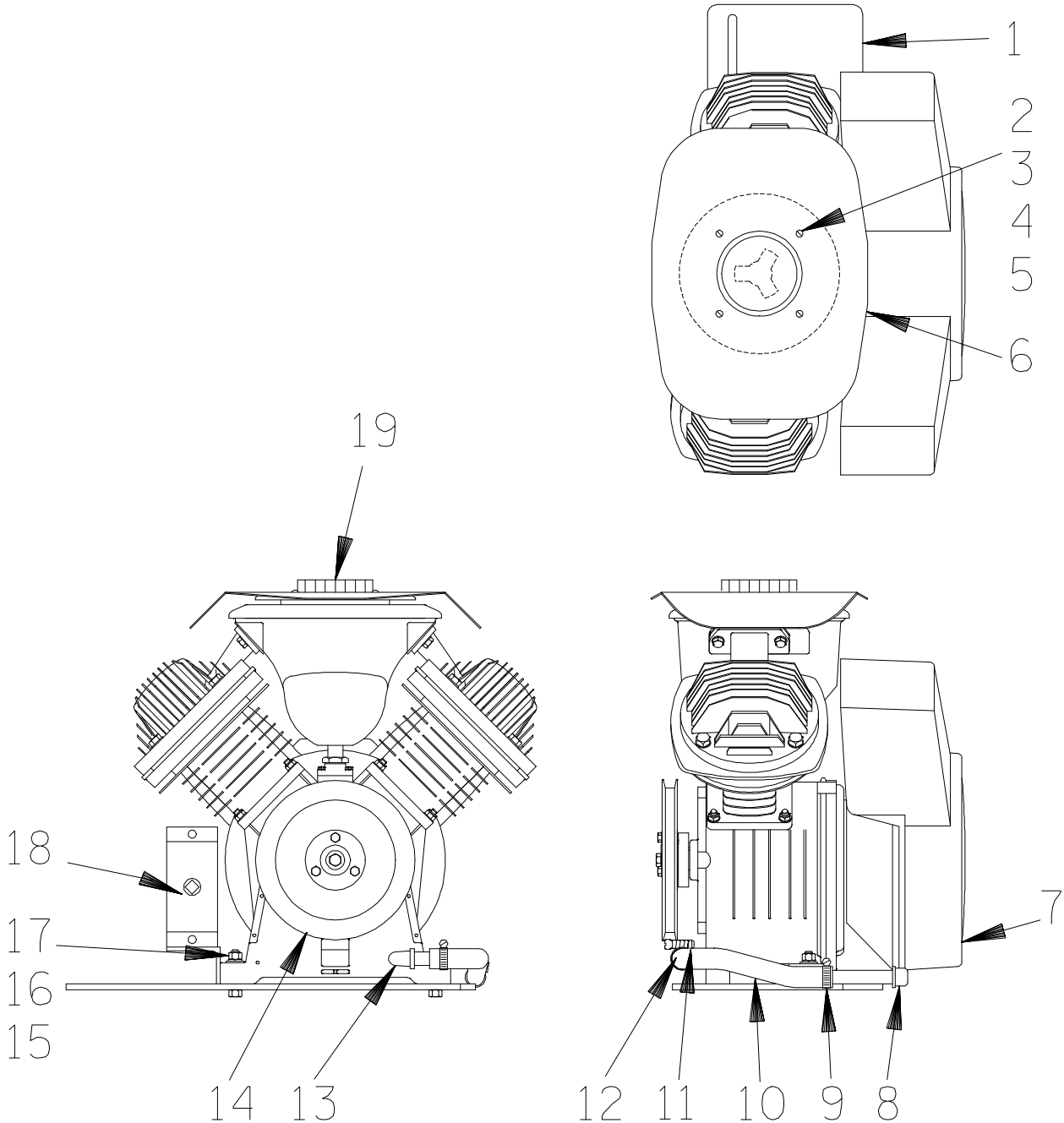
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**PARTS LIST**  
**46181—902 Air Compressor Assembly**

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	AIR COMPRESSOR MOUNTING PLATE	41881—554	24150	1
2	MACHINE SCREW	X#10—02	15991	4
3	HEX NUT	D#10	15991	4
4	LOCKWASHER	J#10	15991	4
5	FLAT WASHER	K#10	15991	4
6	AIR COMPRESSOR COVER	38354—043	15120	1
7	AIR COMPRESSOR	26813—111	---	1
8	PIPE CAP	V06	15079	1
9	HOSE CLAMP	26518—683	---	1
10	HOSE	18513—304	---	1
11	HOSE CLAMP	26518—683	---	1
12	PIPE NIPPLE	2434	15070	1
13	PIPE ELBOW	R06	11999	1
14	A/C PULLEY ASSY	44112—001	---	1
15	HEX NUT	D06	15991	4
16	LOCKWASHER	J06	15991	4
17	FLAT WASHER	K06	15991	4
18	PIPE PLUG	P08	15079	1
19	AIR COMPRESSOR KNOB	38429—501	19220	1

**THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO**

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