



***PRIME-AIRE***<sup>™</sup> **SERIES**  
**PUMP MODEL**  
**PA6A60-F5L**

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

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

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

[www.gormanrupp.com](http://www.gormanrupp.com)

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

## 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.

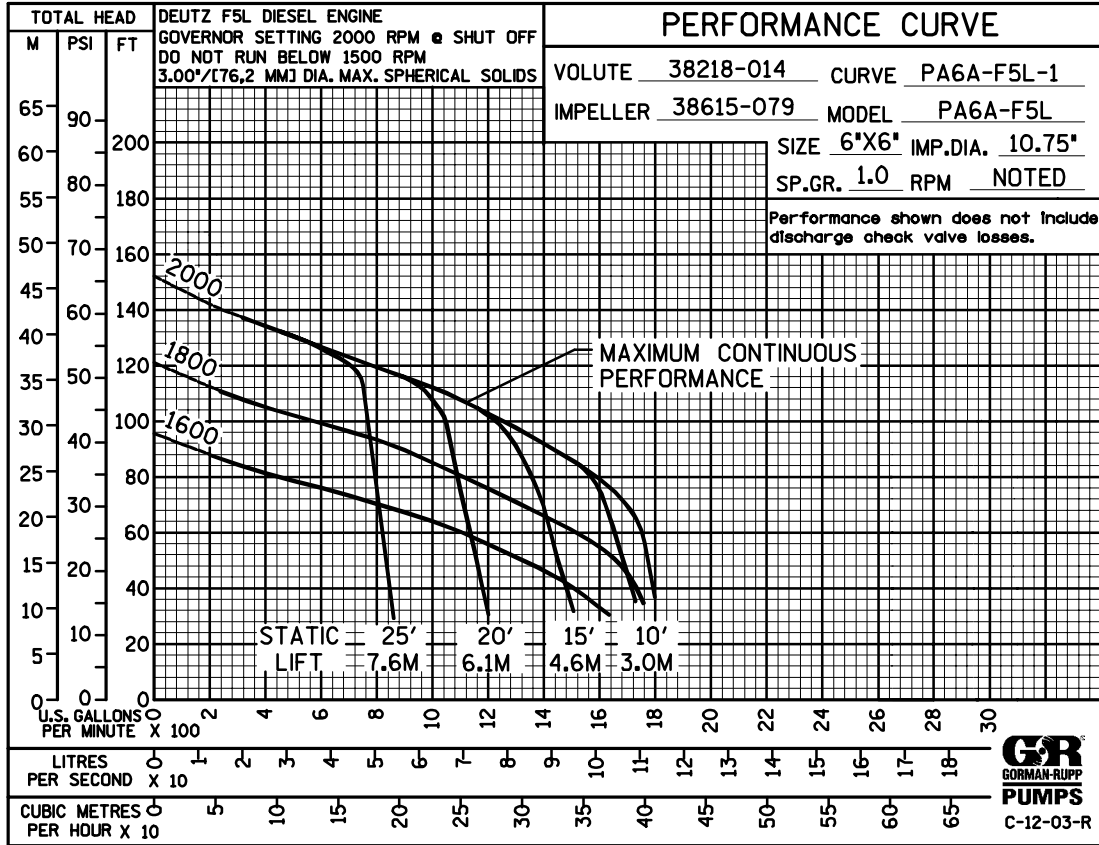
### PERFORMANCE CURVE

The performance curve on the following page is based on 70° F (21° C) clear water at sea level, corrected to 0.80 specific gravity, 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.

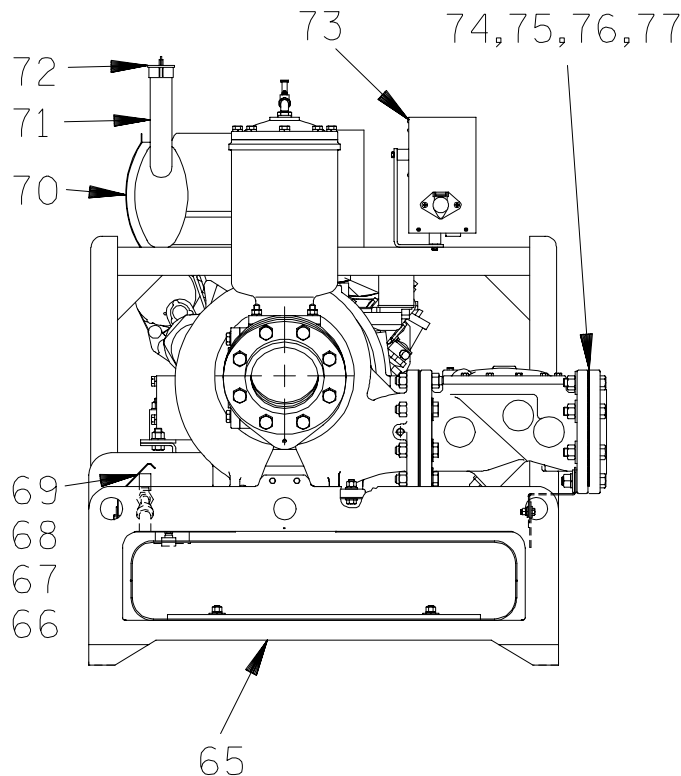
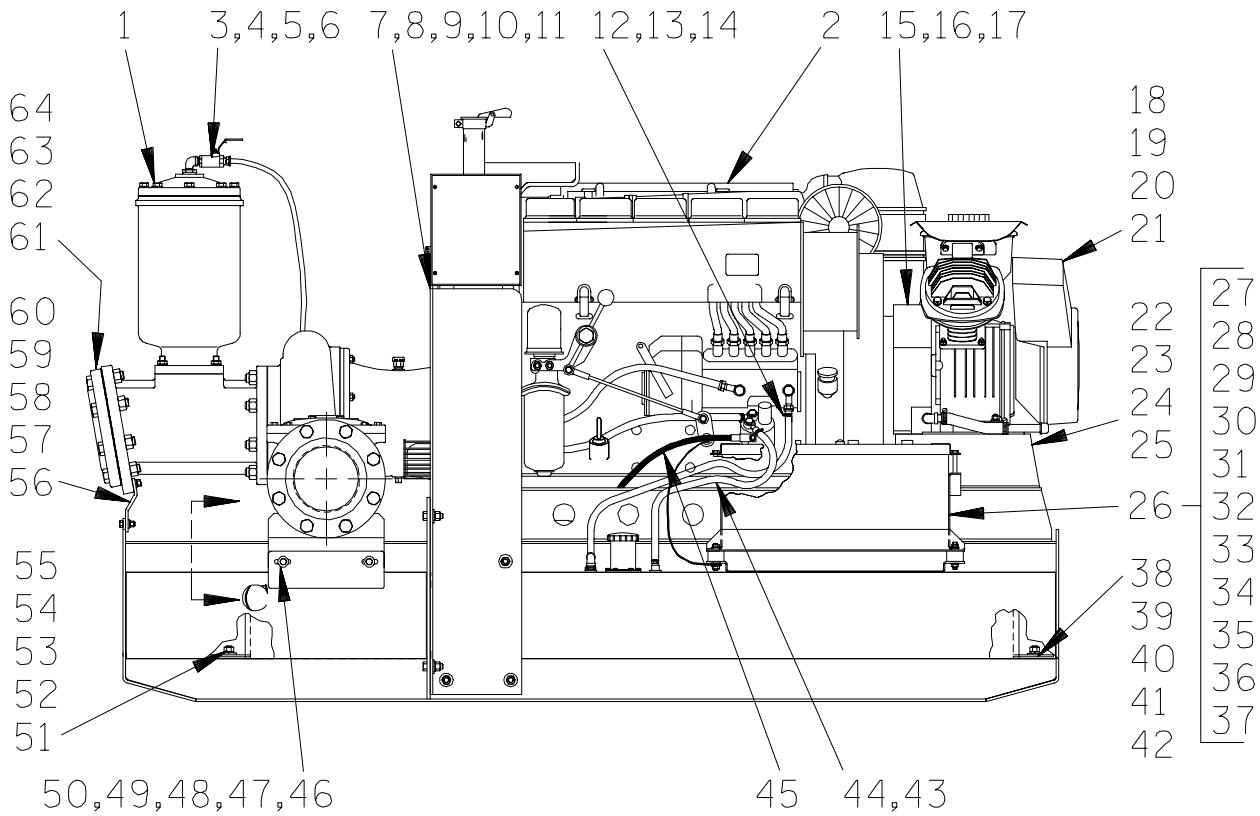


Pump speed and operating condition points must be within the continuous performance range shown on the curve.



Performance Curve – Model PA6A60-F5L

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**PARTS LIST  
Pump Model PA6A60—F5L**

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.

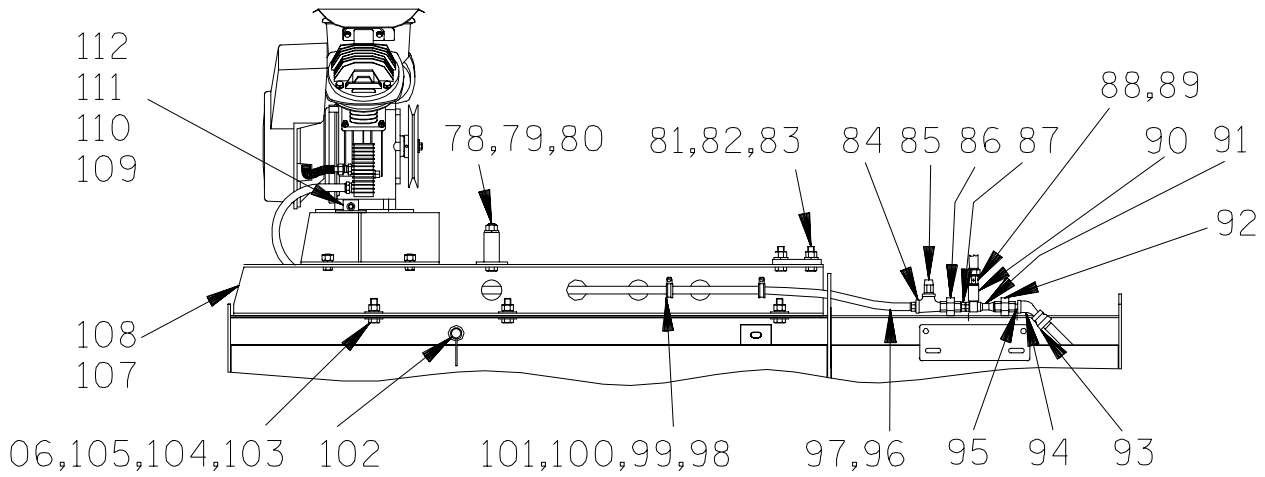
ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP ASSEMBLY	PA6A60—(SAE 4/10)		1	40	HEX NUT	D08	15991	2
2	DEUTZ F5L ENGINE	29217—261	---	1	41	LOCKWASHER	J08	15991	2
3	REDUCER BUSHING	AP1608	11999	1	42	FLAT WASHER	K08	15991	2
4	HOSE BARB FITTING	26523—047	---	1	43	MALE CONNECTOR	S1447	---	1
5	CONNECTOR	S1598	---	1	44	HOSE ASSY	46341—812	---	1
6	3.25' HOSE	18513—113	---	1	45	CABLE ASSY	47311—118	---	1
7	LIFTING BAIL	44711—019	24150	1	46	CHECK VALVE BRACKET	34518—017	15120	1
8	HEX HD CAPSCREW	B0805	15991	10	47	HEX HD CAPSCREW	B0604	15991	2
9	HEX NUT	D08	15991	8	48	HEX NUT	D06	15991	2
10	LOCKWASHER	J08	15991	10	49	LOCKWASHER	J06	15991	2
11	FLAT WASHER	K08	15991	12	50	FLAT WASHER	K06	15991	4
12	4' HOSE	18513—302	---	1	51	FUEL TANK RETAINER	33541—039	15120	1
13	HOSE CLAMP	26518—642	---	2	52	HEX HD CAPSCREW	B0806	15991	2
14	BARB HOSE FITTING	26523—333	---	2	53	HEX NUT	D08	15991	2
15	BELT GUARD ASSY	42353—020	---	1	54	LOCKWASHER	J08	15991	2
16	HEX HD CAPSCREW	B0604	15991	2	55	FLAT WASHER	K08	15991	2
17	LOCKWASHER	J06	15991	2	56	PRIM CHAMBER BRKT	34535—010	15120	1
18	A/C COMPRESSOR ASSY	46181—902	---	1	57	HEX HD CAPSCREW	B0604	15991	3
19	HEX HD CAPSCREW	B0604	15991	4	58	HEX NUT	D06	15991	2
20	LOCKWASHER	J06	15991	4	59	LOCKWASHER	J06	15991	3
21	FLAT WASHER	K06	15991	4	60	FLAT WASHER	K06	15991	3
22	A/C MTG BRKT ASSY	41881—557	24150	1	61	SUCTION FLANGE	1758	10010	1
23	HEX HD CAPSCREW	B0805	15991	4	62 *	GASKET	1679G	18000	1
24	HEX NUT	D08	15991	4	63	HEX HD CAPSCREW	B1212	15991	8
25	LOCKWASHER	J08	15991	4	64	HEX NUT	D12	15991	8
26	BATTERY BOX ASSY	GRP40—08C	---	1	65	SKID ASSY	41565—570	24150	1
27	—HEX HD CAPSCREW	B0607	15991	2	66	VENTURI GD ASSY	42381—067	---	1
28	—FLAT WASHER	KE06	15991	2	67	HEX HD CAPSCREW	B0504	15991	2
29	—FLANGED HEX NUT	21765—314	---	2	68	LOCKWASHER	J05	15991	2
30	—GRND CABLE ASSY	47311—064	---	1	69	FLAT WASHER	K05	15991	2
31	—BATTERY BOX LID	42113—012	24150	1	70	MUFFLER GRD ASSY	42331—033	---	1
32	—12V BATTERY	SEE OPTIONS			71	EXHAUST ELBOW	31912—024	15990	1
33	—BATTERY TAG	38818—506	---	1	72	RAIN CAP	S1246	---	1
34	—BATTERY BOX ASSY	42431—030	24150	1	73	CONTROL PANEL KIT	48122—530	---	1
35	—STUD MOUNT	24631—006	---	4	74	DISCHARGE FLANGE	1758	10010	1
36	—FLANGED HEX NUT	21765—314	---	8	75 *	GASKET	1679G	18000	1
37	—T-TYPE LK WASHER	BL06	15991	1	76	HEX HD CAPSCREW	B1213	15991	6
38	FUEL TANK RETAINER	33541—039	15120	1	77	HEX NUT	D12	15991	6
39	HEX HD CAP SCREW	B0806	15991	2					

\* INDICATES PARTS RECOMMENDED FOR STOCK

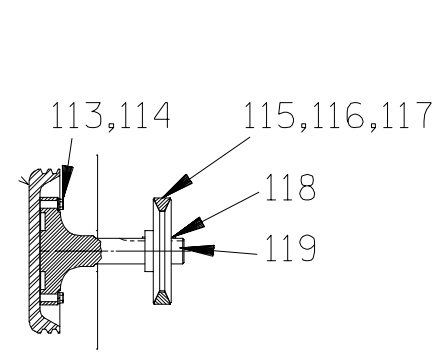
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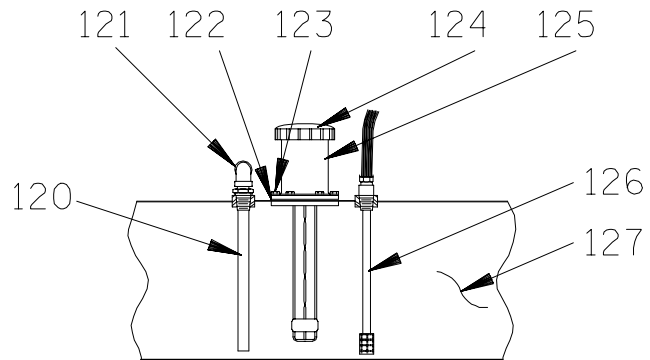
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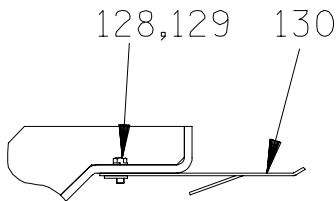
VENTURI SYSTEM AND MISC. HARDWARE



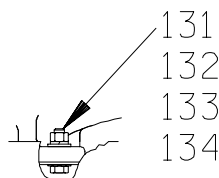
FRONT ENGINE CRANKSHAFT  
EXTENSION ASS'Y.



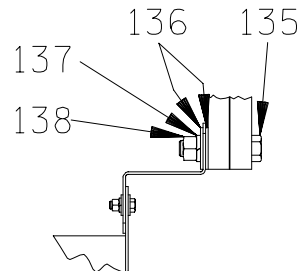
FUEL PICK-UP SYSTEM



FUEL RAIL GUARD



PUMP FEET HARDWARE



CHECK VALVE  
BRKT. HARDWARE

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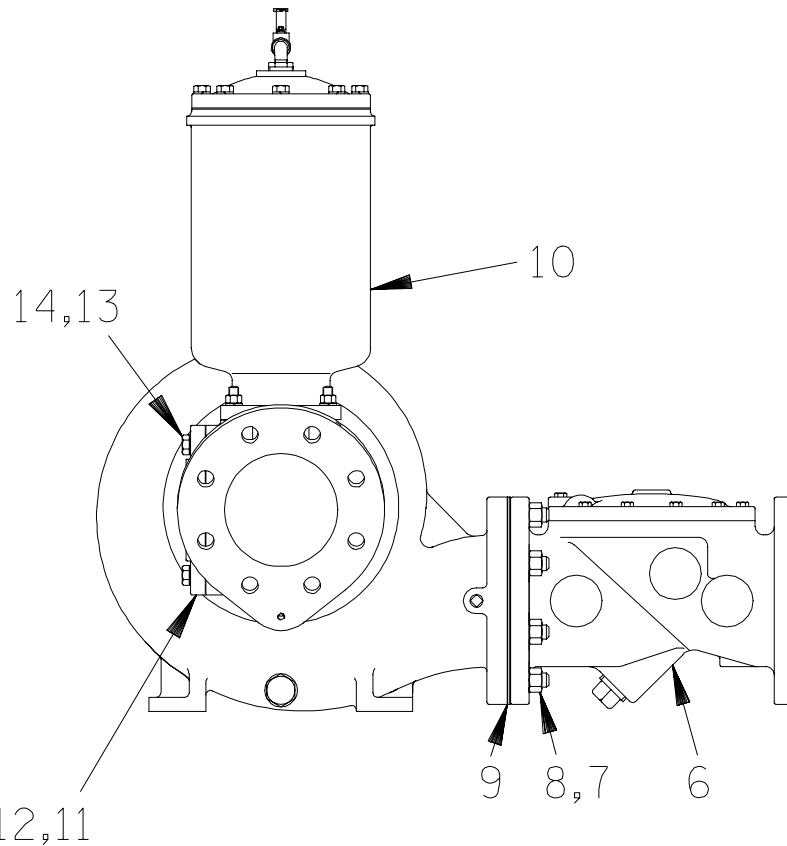
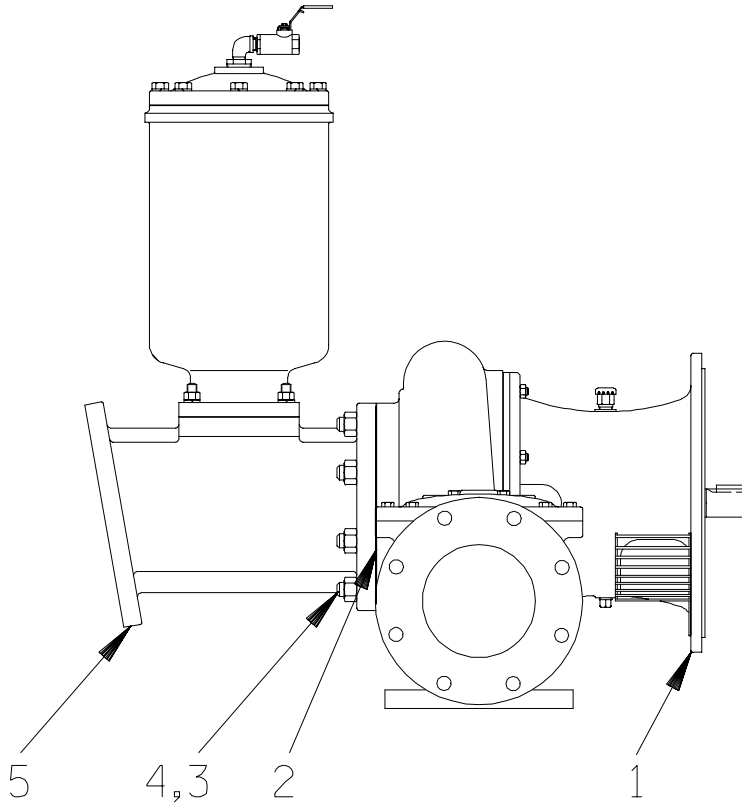
**PARTS LIST**  
**Pump Model PA6A60—F5L**

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
78	HEX HD CAPSCREW	B1017	15991	2	123	HEX HD CAPSCREW	B#10-025	15991	6
79	HEX NUT	D10	15991	2	124	FUEL GAUGE/CAP	29332-133	----	1
80	LOCKWASHER	J10	15991	2	125	FILLER NECK	29332-152	----	1
81	HEX HD CAPSCREW	B1008	15991	4	126	FUEL PICK-UP	29332-143	----	1
82	HEX NUT	D10	15991	4	127	FUEL TANK ASSY	46711-082	----	1
83	LOCKWASHER	J10	15991	4	128	HEX HD CAPSCREW	B0604	15991	1
84	SERVICE TEE	US08	11999	1	129	LOCK WASHER	J06	15991	1
85	RELIEF VALVE	26662-028	----	1	130	FUEL RAIL GUARD	42381-074	24150	1
86	PIPE UNION	AH08	11999	1	131	HEX HD CAPSCREW	B0808	15991	2
87	REDUCER BUSHING	AP0806	15079	1	132	FLAT WASHER	K08	15991	4
88	MALE HOSE END	26525-020	----	1	133	LOCK WASHER	J08	15991	2
89	BALL CHECK VALVE	26641-091	----	1	134	HEX NUT	D08	15991	2
90	PIPE COUPLING	AE08	15079	1	135	HEX HD CAPSCREW	B1214	15991	2
91	VENTURI	26817-002	----	1	136	FLAT WASHER	K12	15991	4
92	PIPE UNION	AH08	11999	1	137	LOCK WASHER	J12	15991	2
93	REDUCER PIPE BUSH	AE1208	15079	1	138	HEX NUT	D12	15991	2
94	45° STREET ELBOW	AGS08	11999	1		NOT SHOWN:			
95	PIPE NIPPLE	T08	15079	1		INSTRUCTION TAG	38818-144	----	1
96	7' HOSE	18513-304	----	1		WARNING DECAL	38816-063	----	2
97	BARB HOSE FITTING	26525-021	----	2		LUBE DECAL	38816-079	----	REF
98	HEX HD CAPSCREW	B#10-03	15991	2		SUCTION STICKER	6588AG	----	REF
99	HEX NUT	D#10	15991	2		DISCHARGE STICKER	6588BJ	----	REF
100	LOCKWASHER	J#10	15991	2		RPM DECAL	38816-240	----	1
101	CABLE CLAMP	27111-346	----	2		LIFT DECAL	38816-330	----	2
102	OIL DRAIN ASSY	46342-038	----	1		LIFT DECAL	38816-218	----	2
103	HEX HD CAPSCREW	B1007	15991	6		PA DECAL	38812-078	----	2
104	HEX NUT	D10	15991	6		INSTRUCTION DECAL	38816-194	----	1
105	LOCKWASHER	J10	15991	6		V-BELT TENSION DECAL	38816-049	----	1
106	FLAT WASHER	K10	15991	12		WARNING DECAL	2613FE	----	REF
107	ENG SUPP CH - LH	34451-077	15080	1		STRAINER	7823A	24000	1
108	ENG SUPP CH - RH	34451-076	15080	1		FLOAT SWITCH KIT	48312-980	----	1
109	MOTOR TENSIONER	41327-031	24150	1		G-R DECAL	GR-06	----	2
110	HEX NUT	D08	15991	1		ENG START UP TAG	38816-269	----	1
111	LOCKWASHER	J08	15991	1		INSTRUCTION TAG	38817-085	----	1
112	FLAT WASHER	K08	15991	1		WARNING DECAL	38816-203	----	3
113	HEX HD CAPSCREW	22645-136	----	4		OPTIONAL:			
114	LOCKWASHER	21171-510	----	4		* 12V BATTERY	29331-506	----	1
115	ENGINE PULLEY	24214-002	----	1		TWO FLOAT SWITCH KIT	48312-981	----	1
116	O.D. BUSHING	24131-553	----	1		HIGHWAY TRAILER:			
117	V-BELT	24166-011	----	1		-2" BALL COUPLER	41583-776	----	1
118	KEY	N0405	15990	1		-3" I.D. PINTLE EYE	41583-777	----	1
119	CRANK SHAFT EXT	38531-009	11010	1		REPAIR CONTROL PANEL			
120	FUEL RETURN ASSY	46331-015	24150	1		INSTALLATION KIT	48122-531	----	1
121	PIPE ELBOW	R04	11999	1					
122	FILLER NECK GSKT	38683-270	19060	1					

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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
	—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:

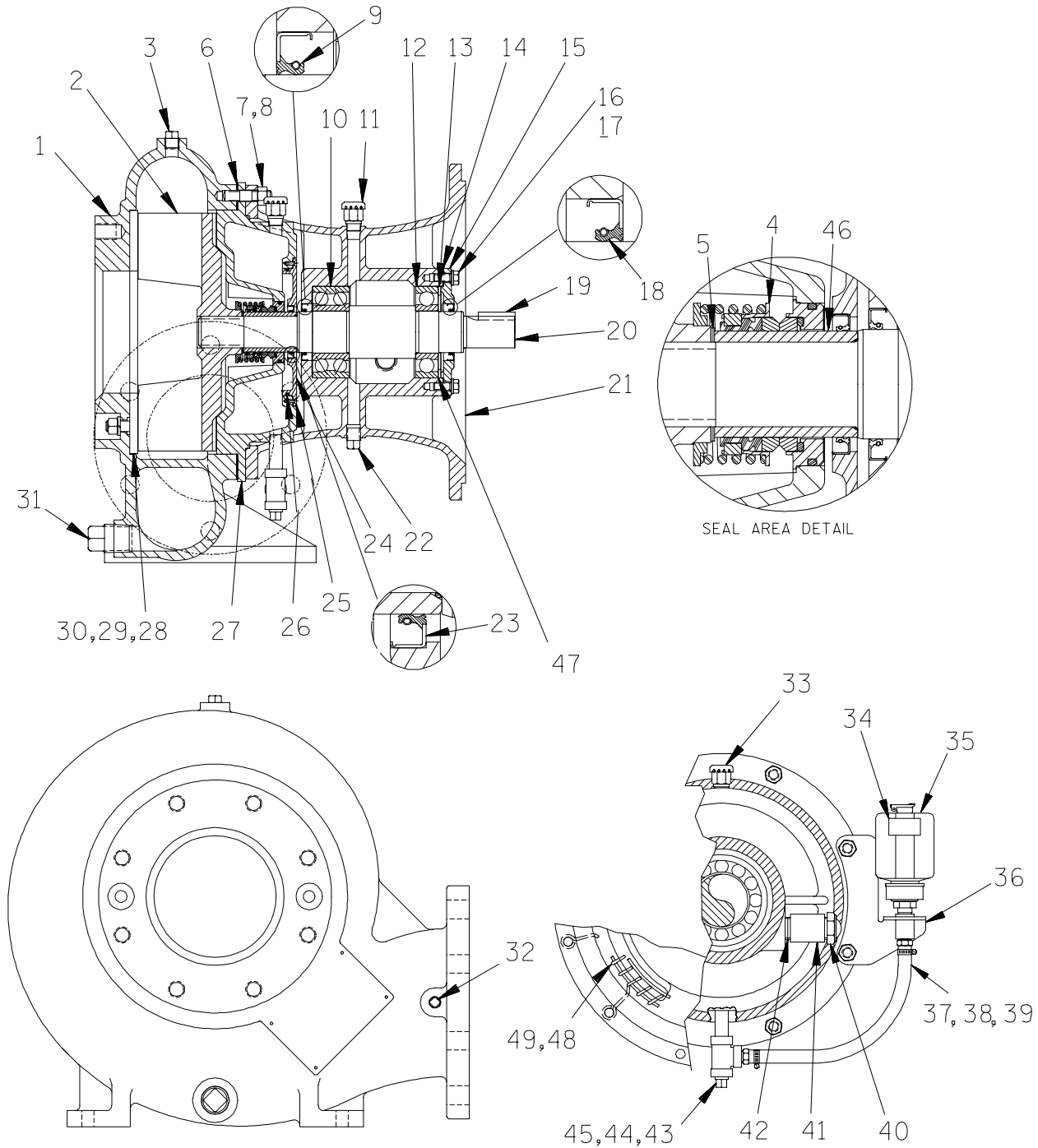
G-R DECAL	GR—06	---	1
LUBE DECAL	38816—079	---	1
SUCTION STICKER	6588AG	---	1
DISCHARGE STICKER	6588BJ	---	1
WARNING DECAL	2613FE	---	1

\* INDICATES PARTS RECOMMENDED FOR STOCK

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

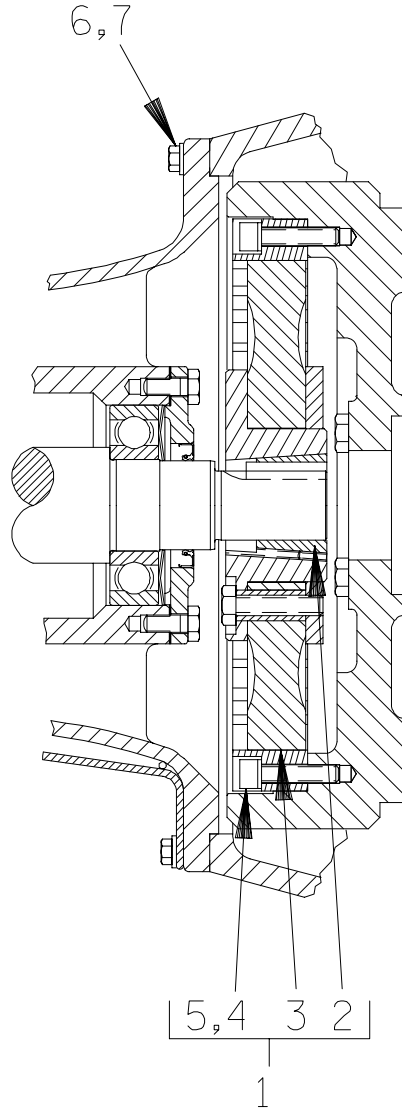
ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP CASING	38218-014	10000	1	28 *	WEAR PLATE ASSY	46451-746	24150	1
2 *	IMPELLER ASSY	46151-409	---	1	29	HEX NUT	D08	15991	2
3	PIPE PLUG	P06	15079	1	30	LOCKWASHER	J08	15991	2
4 *	SEAL ASSY	46512-048	---	1	31	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		NOT SHOWN:			
24	SEAL PLATE COVER	38242-707	10000	1		DRIVE ASSY	44162-119	---	1
25	FH MACHINE SCREW	Y#10-02	15991	4		NAME PLATE	38818-127	13000	1
26 *	SEAL PLATE O-RING	25152-256	---	1		DRIVE SCREW	BM#04-03	17000	4
27	SEAL PLATE	38272-527	10000	1					

INDICATES PARTS RECOMMENDED FOR STOCK

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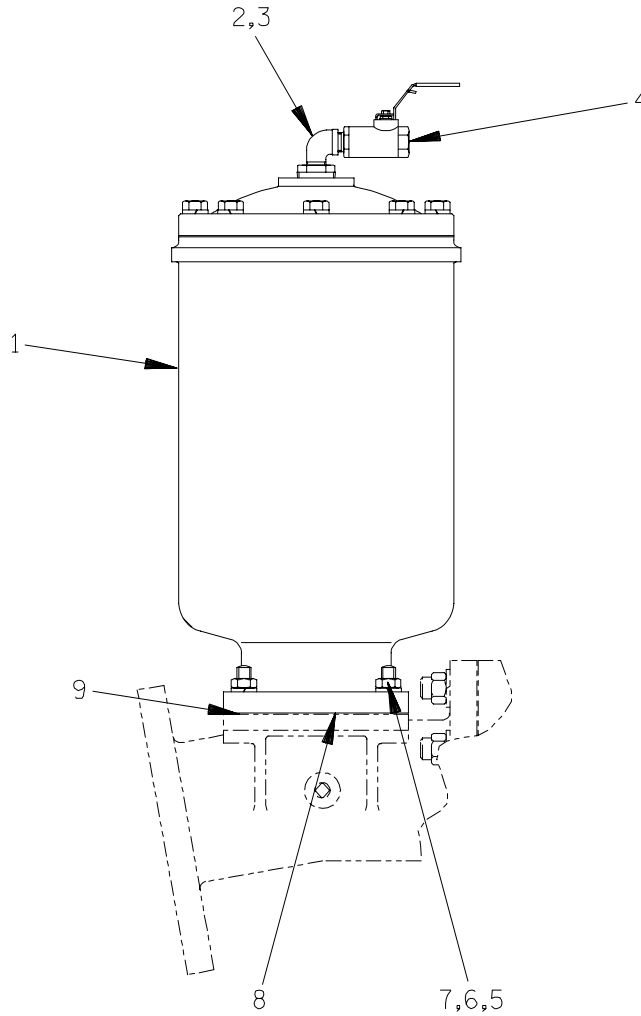


**PARTS LIST**  
**(SAE4/10) Drive Assembly**

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**

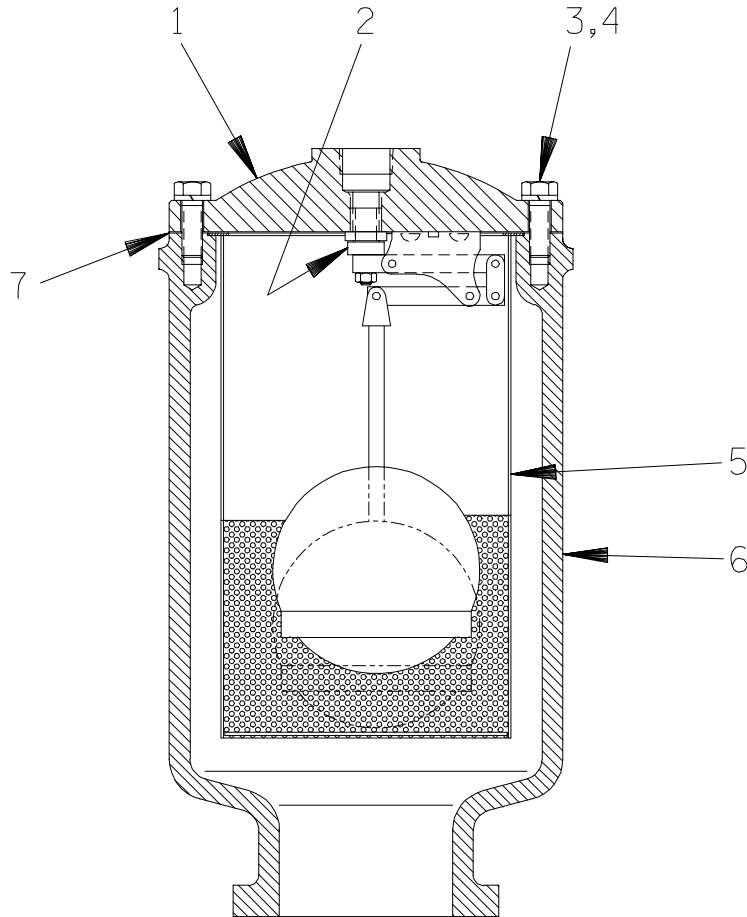
ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PRIMING HOPPER ASSY	46112—709	---	1
2	PIPE BUSHING	AP1608	11999	1
3	STREET ELBOW	RS08	11999	1
4	BALL VALVE	26631—052	---	1
5	STUD	C0809	15991	4
6	HEX NUT	D08	15991	4
7	LOCK WASHER	J08	15991	4
8	* GASKET	38687—053	19060	1
9	BAFFLE	31113—011	17000	1

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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

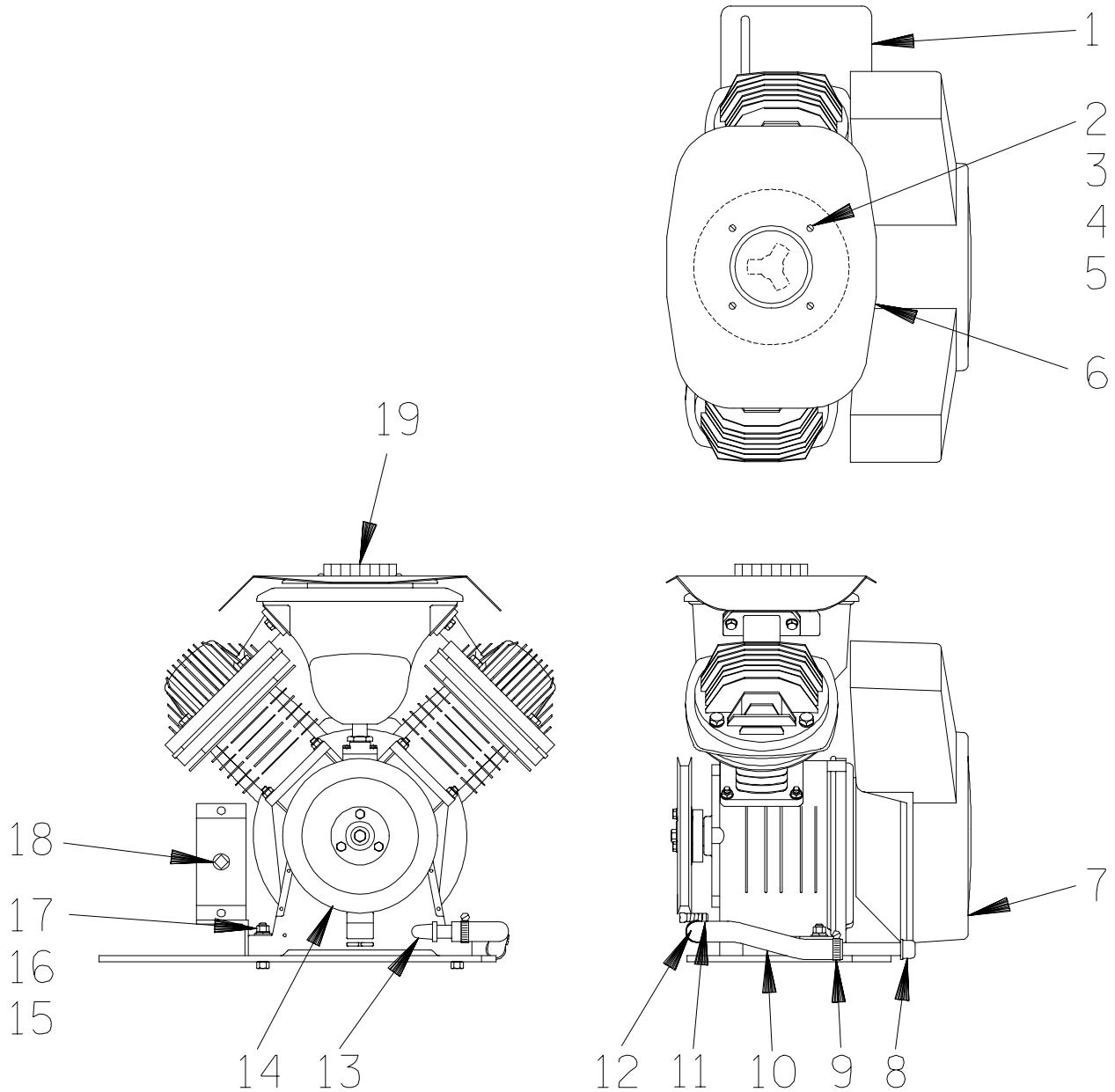
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**PARTS LIST**  
**46181—902 Air Compressor Assembly**

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

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13 of 13  
Page 64.6 A5

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