



PRIME-AIRE[™] **SERIES**
PUMP MODEL
PA6A60-F4L

MANUAL
PART 2 of 3

PARTS
LIST
WITH
PERFORMANCE CURVE

THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

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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.

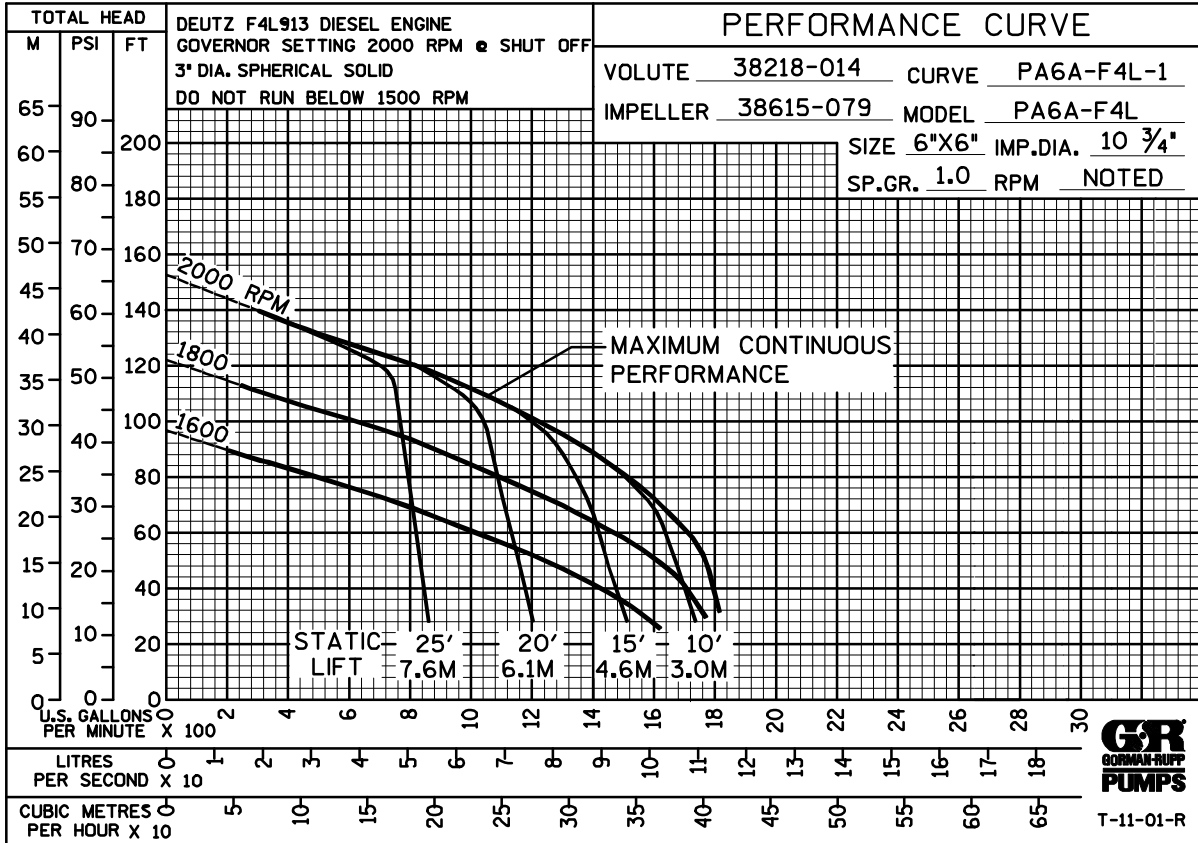
PERFORMANCE CURVE

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.

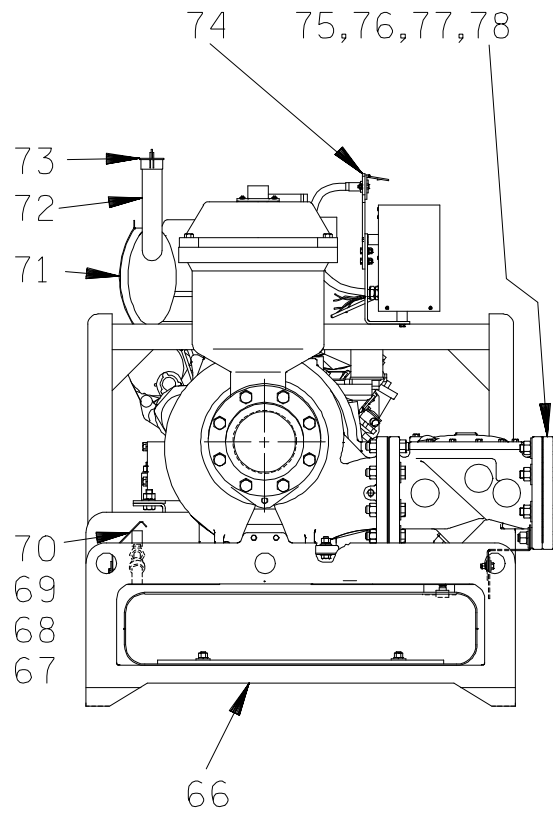
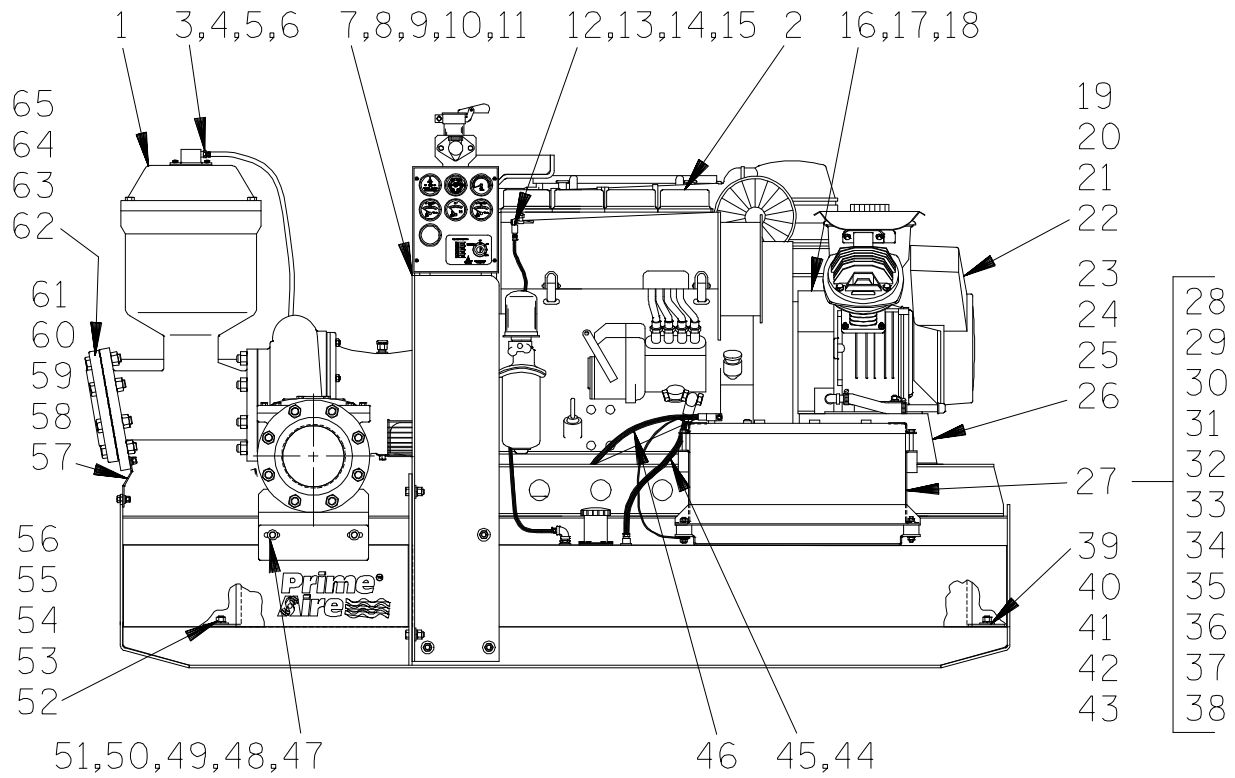


Pump speed and operating condition points must be within the continuous performance range shown on the curve.



Performance Curve – Model PA6A60-F4L

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PARTS LIST
Pump Model PA6A60—F4L

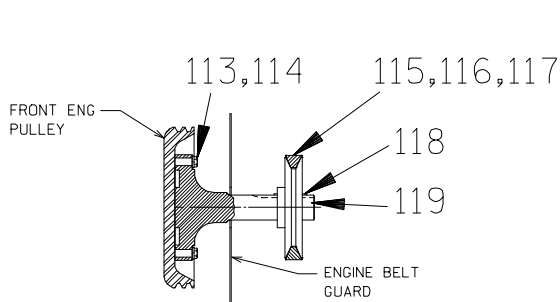
If your pump serial number is followed by an "N", your pump is **NOT** a standard production model. Contact the Gorman-Rupp Company to verify part numbers.

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	40	HEX HD CAP SCREW	B0806	15991	2
2	DEUTZ F4L ENGINE	29217-043	----	1	41	HEX NUT	D08	15991	2
3	REDUCER BUSHING	AP1608	11999	1	42	LOCK WASHER	J08	15991	2
4	HOSE BARB FITTING	26523-047	----	1	43	FLAT WASHER	K08	15991	2
5	CONNECTOR 1/2	S1598	----	1	44	MALE CONNECTOR	S1447	----	1
6	3.25' HOSE	18513-113	----	1	45	HOSE ASSY	46341-812	----	1
7	LIFTING BAIL	44711-019	24150	1	46	1/0 CABLE ASSY	47311-118	----	1
8	HEX HD CAP SCREW	B0805	15991	10	47	CHECK VALVE BRKT	34518-017	15120	1
9	HEX NUT	D08	15991	8	48	HEX HD CAP SCREW	B0604	15991	2
10	LOCK WASHER	J08	15991	10	49	HEX NUT	D06	15991	2
11	FLAT WASHER	K08	15991	12	50	LOCK WASHER	J06	15991	2
12	HOSE	11308A	----	1	51	FLAT WASHER	K06	15991	4
13	HOSE CLAMP	26518-641	----	2	52	FUEL TANK RETAINER	33541-039	15120	1
14	HOSE BARB FITTING	26523-443	----	1	53	HEX HD CAP SCREW	B0806	15991	2
15	HOSE BARB FITTING	26523-386	----	1	54	HEX NUT	D08	15991	2
16	BELT GUARD ASSY	42353-020	----	1	55	LOCK WASHER	J08	15991	2
17	HEX HD CAP SCREW	B0604	15991	2	56	FLAT WASHER	K08	15991	2
18	LOCK WASHER	J06	15991	2	57	PRIM CHMBR BRKT	34535-010	15120	1
19	AIR COMPRESSOR ASSY	46181-902	----	1	58	HEX HD CAP SCREW	B0604	15991	3
20	HEX HD CAP SCREW	B0604	15991	4	59	HEX NUT	D06	15991	2
21	LOCK WASHER	J06	15991	4	60	LOCK WASHER	J06	15991	3
22	FLAT WASHER	K06	15991	4	61	FLAT WASHER	K06	15991	3
23	A/C MTG BRKT ASSY	41881-557	24150	1	62	SUCTION FLANGE	1758	10010	1
24	HEX HD CAP SCREW	B0805	15991	4	63	GASKET	1679G	18000	1
25	HEX NUT	D08	15991	4	64	HEX HD CAP SCREW	B1212	15991	8
26	LOCK WASHER	J08	15991	4	65	HEX NUT	D12	15991	8
27	BATTERY BOX ASSY	GRP40-08C	----	1	66	SKID ASSY	41565-570	24150	1
28	-HEX HD CAP SCREW	B0607	15991	2	67	VENTURI GUARD ASSY	42381-067	----	1
29	-FLAT WASHER	K06	15991	2	68	HEX HD CAP SCREW	B0504	15991	2
30	-HEX NUT W/FLG	21765-314	----	2	69	LOCK WASHER	J05	15991	2
31	-GROUND CABLE ASSY	47311-064	----	1	70	FLAT WASHER	K05	15991	2
32	-BATTERY BOX LID	42113-012	24150	1	71	MUFFLER GUARD ASSY	42331-031	----	1
33	-12V BATTERY	SEE OPTIONS		1	72	EXHAUST ELBOW	31912-023	15990	1
34	-BATTERY TAG	38818-506	----	1	73	RAIN CAP	S1331	----	1
35	-BATTERY BOX ASSY	42431-030	24150	1	74	CONTROL PANEL KIT	48122-508	----	1
36	-STUD MOUNT	24631-006	----	4	75	DISCHARGE FLANGE	1758	10010	1
37	-HEX NUT W/FLG	21765-314	----	8	76	GASKET	1679G	18000	1
38	-T-TYPE LK WASHER	BL06	15991	1	77	HEX HD CAPSCREW	B1213	15991	6
39	FUEL TANK RETAINER	33541-039	15120	1	78	HEX NUT	D12	15991	6

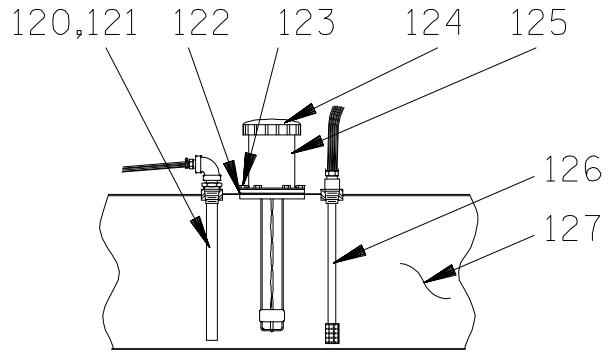
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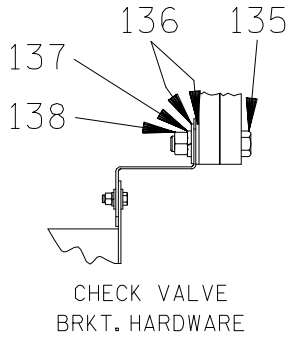
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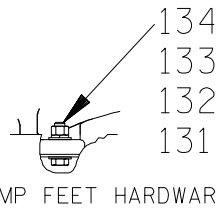
FRONT ENGINE CRANKSHAFT EXTENSION ASS'Y.



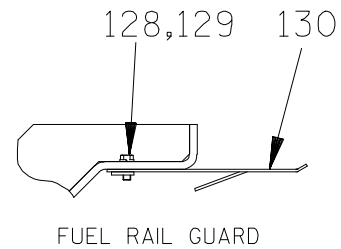
FUEL PICK-UP SYSTEM



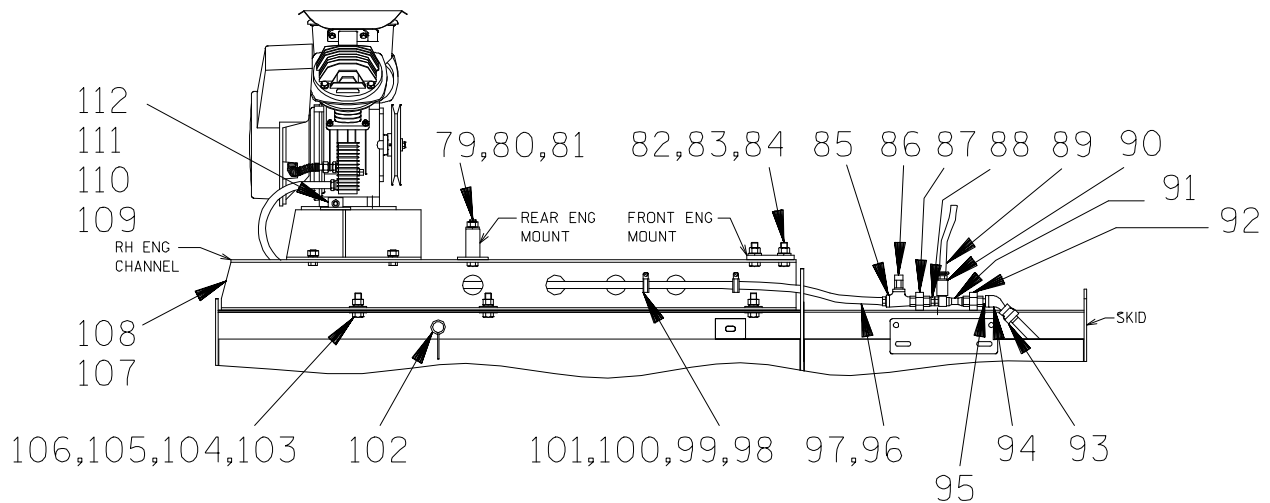
CHECK VALVE
BRKT. HARDWARE



PUMP FEET HARDWARE



FUEL RAIL GUARD



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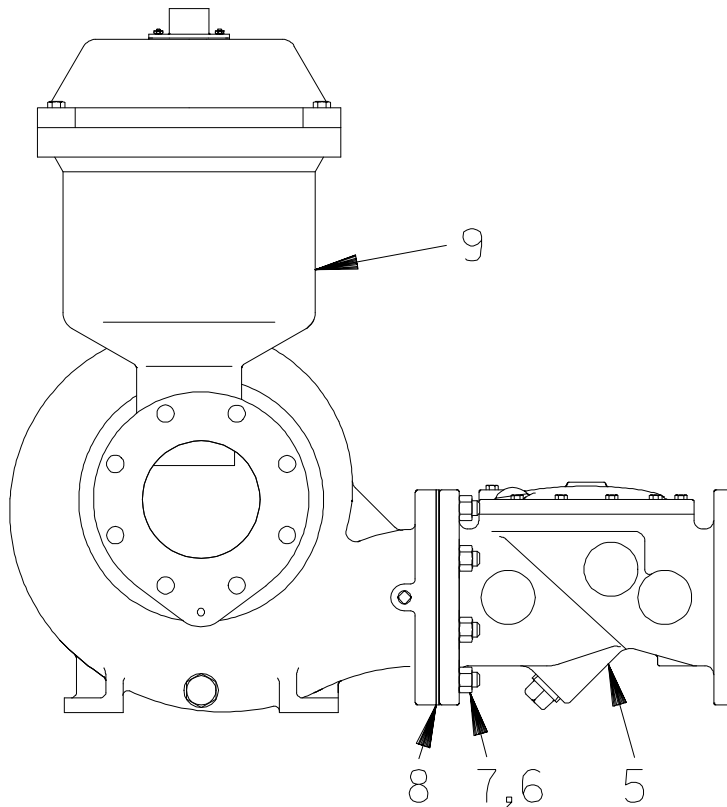
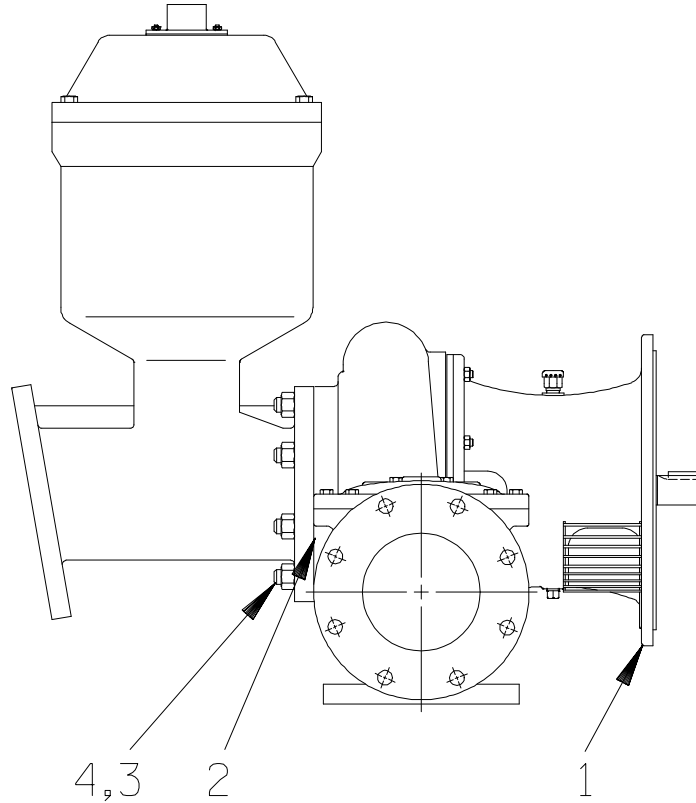
PARTS LIST
Pump Model PA6A60—F4L

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
79	HEX HD CAP SCREW	B1017	15991	2	119	CRANKSHAFT EXT	38531-009	11010	1
80	HEX NUT	D10	15991	2	120	FUEL RETURN ASSY	46331-015	24150	1
81	LOCKWASHER	J10	15991	2	121	PIPE ELBOW	R04	11999	1
82	HEX HD CAP SCREW	B1008	15991	4	122	FILLER NECK GASKET	38683-270	19060	1
83	HEX NUT	D10	15991	4	123	HEX HD CAP SCREW	B#10-02S	15991	6
84	LOCK WASHER	J10	15991	4	124	FUEL GAUGE/CAP	29332-133	----	1
85	SERVICE TEE	US08	11999	1	125	FILLER NECK	29332-152	----	1
86	RELIEF VALVE	26662-028	----	1	126	FUEL PICK-UP	29332-143	----	1
87	PIPE UNION	AH08	11999	1	127	FUEL TANK	46711-082	----	1
88	REDUCER BUSHING	AP0806	15079	1	128	HEX HD CAP SCREW	B0604	15991	1
89	MALE HOSE END	26525-020	----	1	129	LOCK WASHER	J06	15991	1
90	PIPE COUPLING	AE08	15079	1	130	FUEL RAIL GUARD	42381-074	24150	1
91	VENTURI	26817-002	----	1	131	HEX HD CAPSCREW	B0808	15991	2
92	PIPE UNION	AH08	11999	1	132	FLAT WASHER	K08	15991	4
93	REDUCER PIPE BUSH	AE1208	15079	1	133	LOCK WASHER	J08	15991	2
94	45° STREET ELBOW	AGS08	11999	1	134	HEX NUT	D08	15991	2
95	PIPE NIPPLE	T08	15079	1	135	HEX HD CAP SCREW	B1214	15991	2
96	HOSE	18513-304	----	1	136	FLAT WASHER	K12	15991	4
97	HOSE BARB FITTING	26525-021	----	2	137	LOCK WASHER	J12	15991	2
98	HEX HD CAP SCREW	B#10-03	15991	2	138	HEX NUT	D12	15991	2
99	HEX NUT	D#10	15991	2	NOT SHOWN:				
100	LOCK WASHER	J#10	15991	2		INSTRUCTION DECAL	38818-140	----	1
101	CABLE CLAMP	27111-346	----	2		WARNING DECAL	38816-063	----	2
102	OIL DRAIN ASSY	46342-007	----	1		LUBE DECAL	38816-079	----	1
103	HEX HD CAP SCREW	B1007	15991	6		SUCTION STICKER	6588AG	----	1
104	HEX NUT	D10	15991	6		DISCHARGE STICKER	6588BJ	----	1
105	LOCK WASHER	J10	15991	6		RPM DECAL	38816-240	----	1
106	FLAT WASHER	K10	15991	12		LIFT DECAL	38816-330	----	2
107	ENG SUPP CH—LH	34451-077	15080	1		PA DECAL	38816-218	----	2
108	ENG SUPP CN—RH	34451-076	15080	1		INSTRUCTION DECAL	38812-078	----	2
109	MOTOR TENSIONER	41327-031	24150	1		V-BELT TENSION DECAL	38816-194	----	1
110	HEX NUT	D08	15991	1		WARNING DECAL	38816-049	----	1
111	LOCK WASHER	J08	15991	1		STRAINER	2613FE	----	2
112	FLAT WASHER	K08	15991	1		FLOAT SWITCH KIT	7823A	24000	1
113	HEX HD CAP SCREW	22645-136	----	4			48312-980	----	1
114	LOCK WASHER	21171-510	----	4	OPTIONAL:				
115	ENG PULLEY	24214-002	----	1		* 12V BATTERY	29331-506	----	1
116	Q.D. BUSHING	24131-553	----	1		TWO FLOAT SWITCH KIT	48312-981	----	1
117	V-BELT	24166-011	----	1		FUEL TANK KIT	46711-083	----	1
118	KEY	N0405	15990	1					

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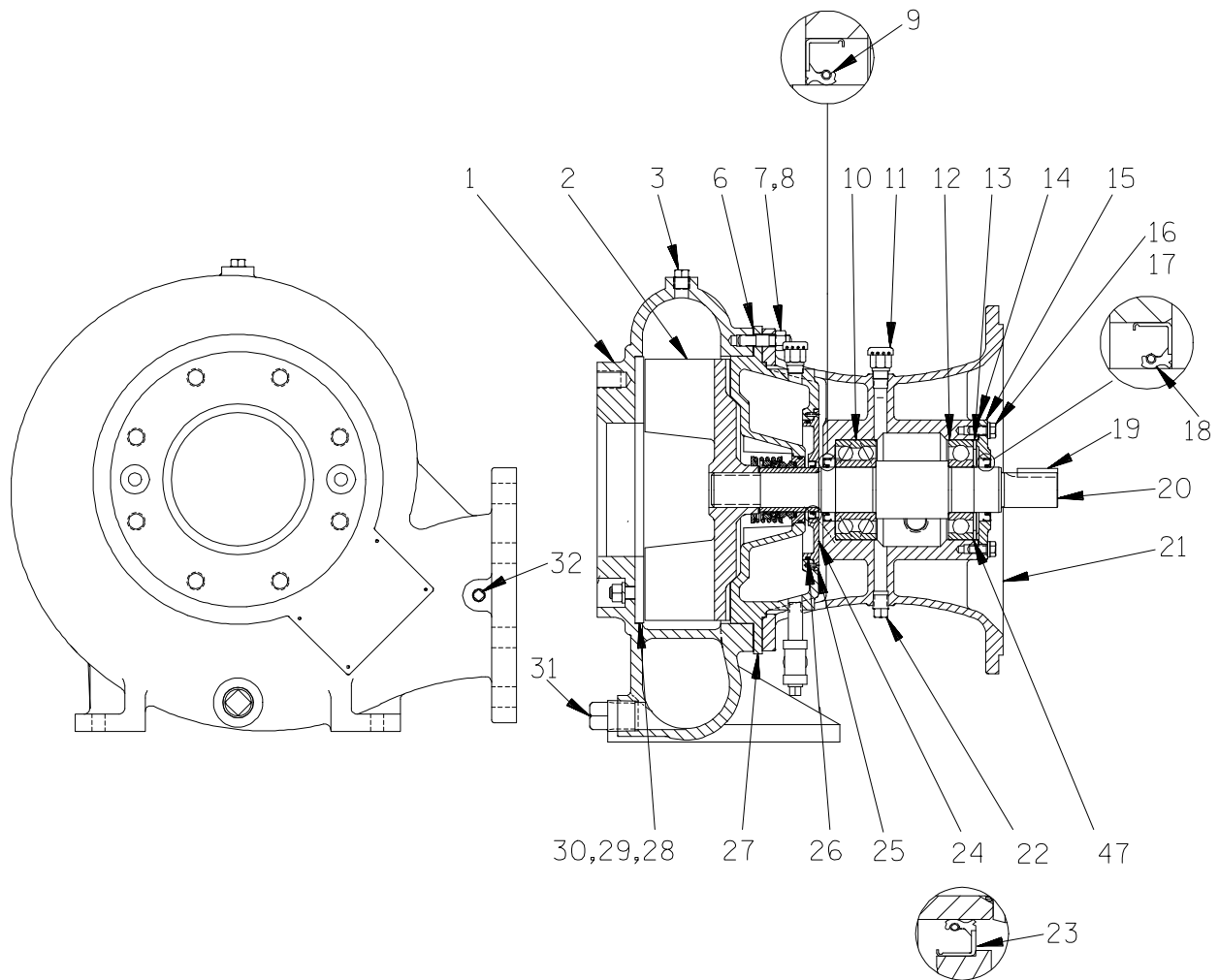
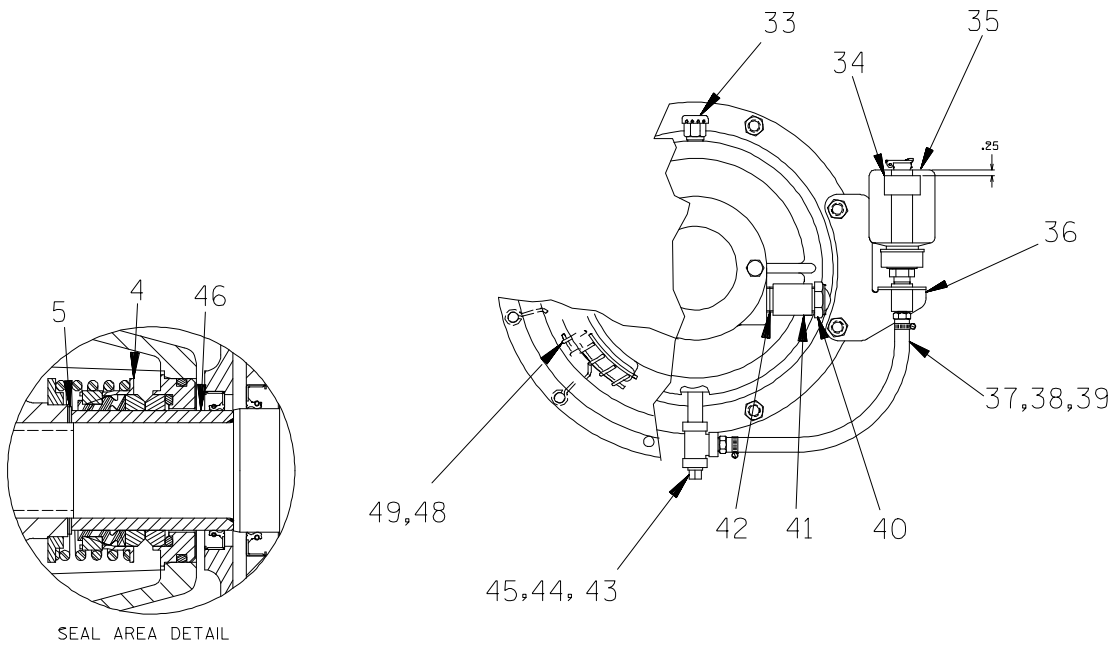
PARTS LIST
PA6A60—F4L Pump Assembly

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP END ASSY	66E60—(SAE4/10)	---	1
2	* GASKET	1679G	18000	1
3	STUD	C1211	15991	8
4	HEX NUT	D12	15991	8
5	CHECK VALVE ASSY	26642—126	---	1
6	STUD	C1211	15991	8
7	HEX NUT	D12	15991	8
8	* GASKET	25113—036	---	1
9	PRIMING CHAMBER ASSY	46112—703	---	1

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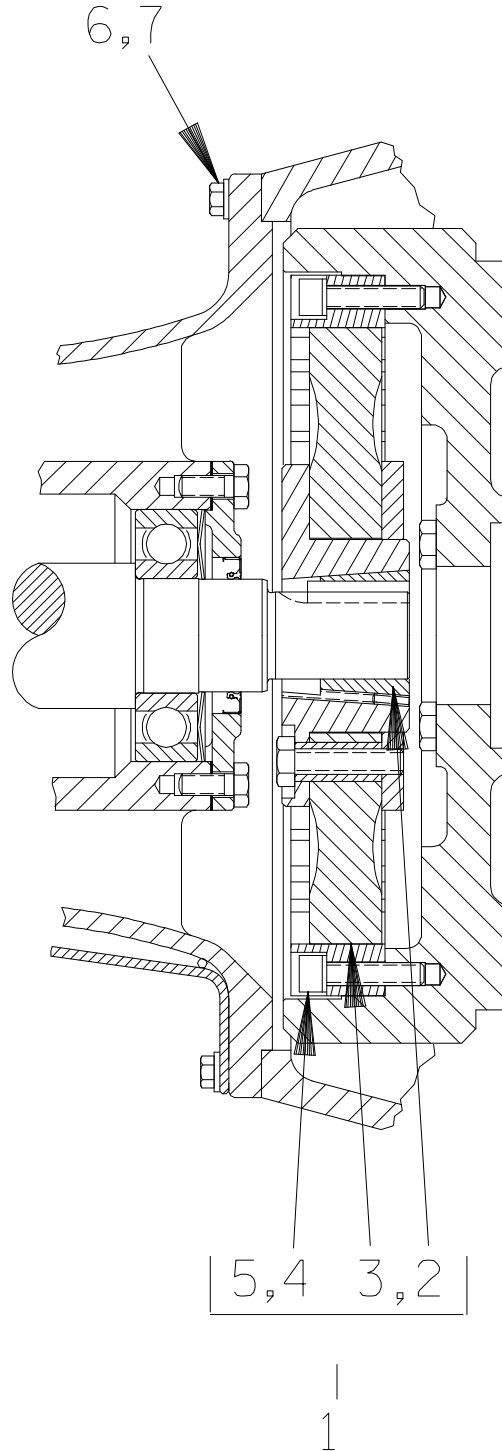
PARTS LIST
66E60—(SAE4/10) Pump End Assembly

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	VOLUTE	38218-014	10000	1	27	SEAL PLATE	38272-527	10000	1
2 *	IMPELLER ASSY	46151-409	----	1	28 *	WEAR PLATE ASSY	46451-746	24150	1
3	PIPE PLUG	P06	15079	1	29	HEX NUT	D08	15991	2
4 *	MECHANICAL SEAL	46512-048	----	1	30	LOCKWASHER	J08	15991	2
5 *	ADJ SHIM SET	5091	17090	1	31	PIPE PLUG	P16	10009	1
6 *	GASKET SET	34G	18000	1	32	PIPE PLUG	P04	15079	1
7	STUD	C0809	15991	8	33	AIR VENT	S1703	----	1
8	HEX NUT	D08	15991	8	34	OIL LEVEL DECAL	38816-123	----	1
9 *	OIL SEAL	25258-622	----	1	35	BOTTLE OILER	26713-004	----	1
10 *	BALL BEARING	23421-461	----	1	36	BRACKET ASSY	41881-619	24150	1
11	AIR VENT	S1703	----	1	37	MALE CONNECTOR	26523-409	----	2
12 *	BALL BEARING	S1077	----	1	38	1.25' HOSE	18513-054	----	1
13 *	THRUST WASHER	31133-197	15120	1	39	HOSE CLAMP	26518-642	----	2
14 *	BRG COVER GSKT	5413G	18000	1	40	SIGHT GAUGE	S1471	----	1
15	BEARING CAP	4185A	10010	1	41	PIPE COUPLING	AE12	15079	1
16	HEX HD CAPSCREW	B0604	15991	4	42	PIPE NIPPLE	T12	15079	1
17	LOCKWASHER	J06	15991	4	43	PIPE NIPPLE	T0608	15079	1
18 *	OIL SEAL	25258-622	----	1	44	PIPE TEE	U06	11999	1
19 *	KEY	N0607	15990	1	45 *	PIPE PLUG	P06	15079	1
20 *	IMPELLER SHAFT	38514-807	1706H	1	46 *	SHAFT SLEEVE	31163-016	1706H	1
21	INTERMEDIATE	38263-614	10010	1	47	SHIM SET	8546	15990	1
22	PIPE PLUG	P06	15079	1	48	INTERMEDIATE GUARD	42381-031	24152	1
23 *	OIL SEAL	25258-620	----	1	49	INTERMEDIATE GUARD	42381-032	24152	1
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 *	O-RING	25152-256	----	1		NAME PLATE	38818-127	13000	1
						DRIVE SCREW	BM#04-03	17000	4

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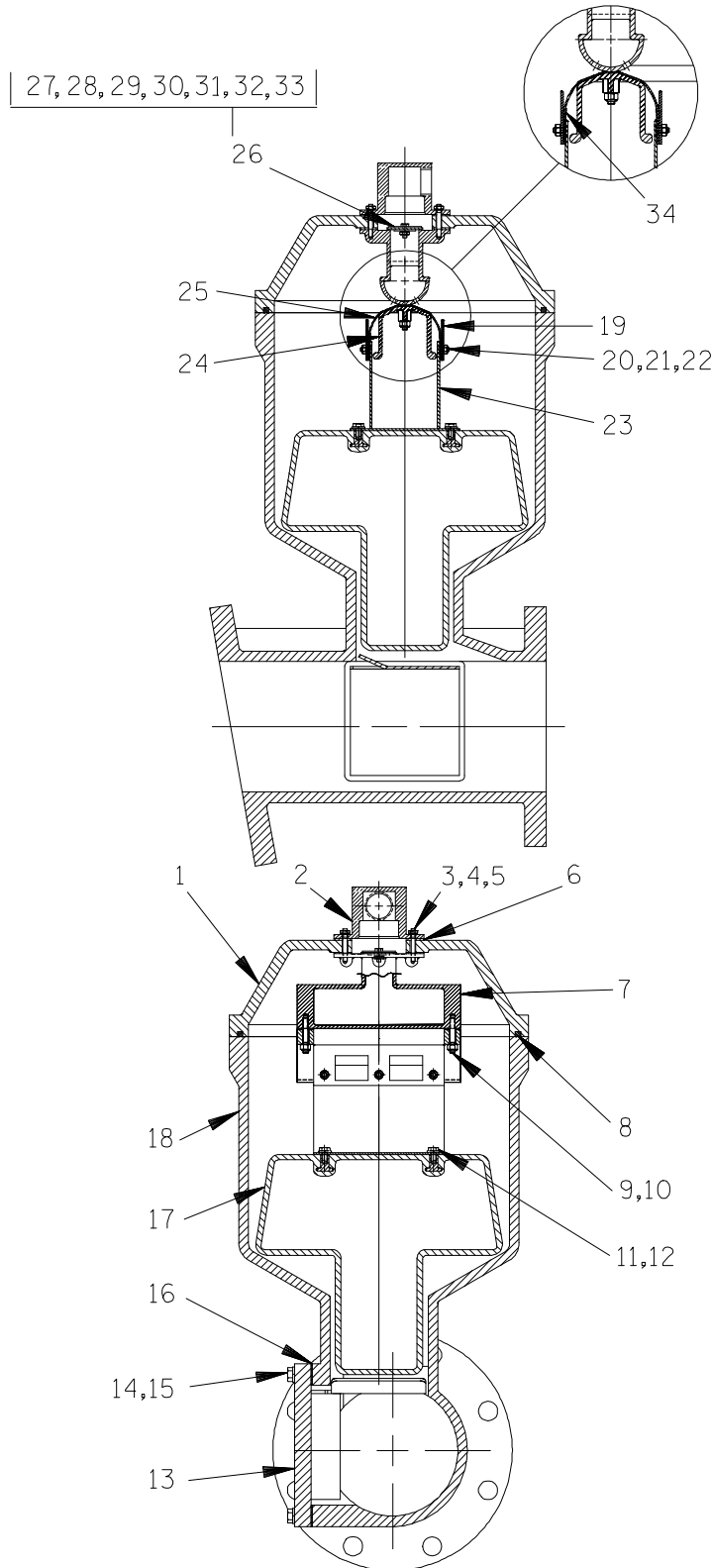
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PARTS LIST
(SAE4/10) Drive Assembly

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	22645-164	---	12
7	LOCKWASHER	21171-511	---	12

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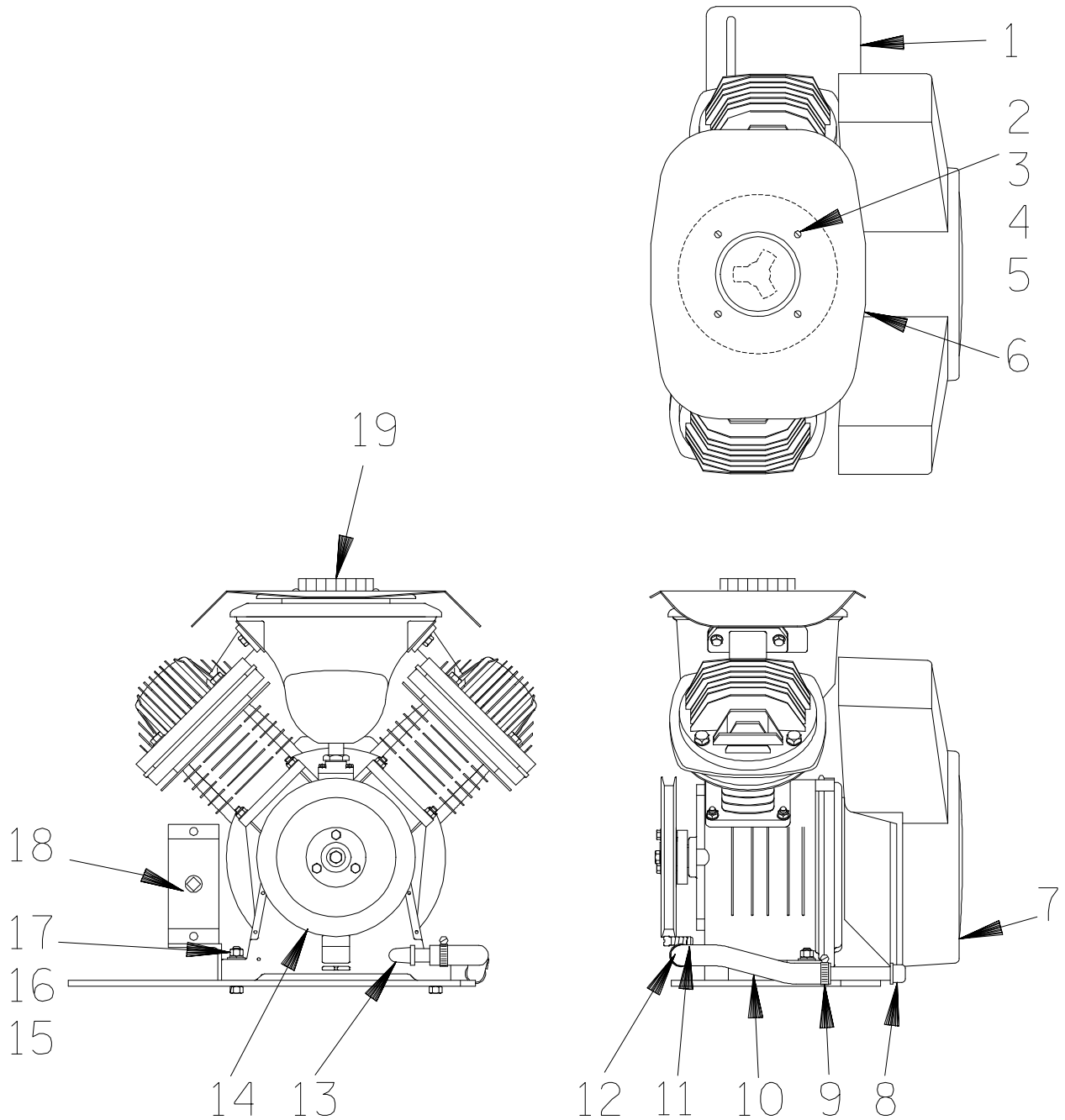
PARTS LIST
46112—703 Peeler Type Priming Valve

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PRIMING CHAMBER LID	38346—613	13000	1	20	FLAT HD CAPSCREW	F#10—03	17000	6
2	PEELER VALVE NECK	38349—410	10000	1	21	LOCKWASHER	J#10	17000	6
3	LOCKWASHER	J#10	17000	4	22	HEX NUT	D#10	17000	6
4	HEX NUT	D#10	17000	4	23	VLV STRAP BRKT ASSY	41881—523	24150	1
5	STUD	21332—038	---	4	24	CLAMP PLATE	38349—406	14000	1
6 *	NECK GASKET	38683—266	19020	1	25	VALVE STRAP	33276—041	19410	1
7	VALVE BODY	38343—014	14000	1	26	CHECK VALVE ASSY	46411—112	---	1
8 *	GASKET	38689—039	19000	1	27 *	—CHECK VALVE	38671—413	19020	1
9	STUD	C0406 1/2	17000	2	28	—LOCKWASHER	J#10	17000	1
10	HEX LOCK NUT	BC04	17000	2	29	—HEX NUT	D#10	17000	1
11	HEX HD CAPSCREW	B0402 1/2	17000	4	30	—FLATWASHER	21161—810	---	1
12	LOCKWASHER	J04	17000	4	31	—HEX HD CAPSCREW	B#10—02	17000	1
13	INDUCTOR GUARD ASSY	42381—066	24150	1	32	—FLATWASHER	21161—811	---	1
14	HEX HD CAPSCREW	B0606	15991	4	33	—SEALING WASHER	25123—056	---	1
15	LOCKWASHER	J06	15991	4	34	VLV STRAP PROTECTOR	33271—019	19000	2
16 *	GASKET	38687—552	18000	1	NOT SHOWN:				
17 *	PRIMING VALVE FLOAT	38349—404	19220	1		HEX HD CAPSCREW	B0807	15991	4
18	PRIMING CHAMBER	38343—017	10000	1		PIPE PLUG	P04	15079	1
19	GUIDE PLATE	33522—009	17000	2					

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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	AIR COMPRESSOR PULLEY ASSY	44112—001	---	1
15	HEX NUT	D06	15991	4
16	LOCK WASHER	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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