



***PRIME-AIRETM* SERIES**
PUMP MODEL
PA4B60—F6L

MANUAL
PART 2 of 3

PARTS
LIST
WITH
PERFORMANCE CURVE

THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

www.gormanrupp.com

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

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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.

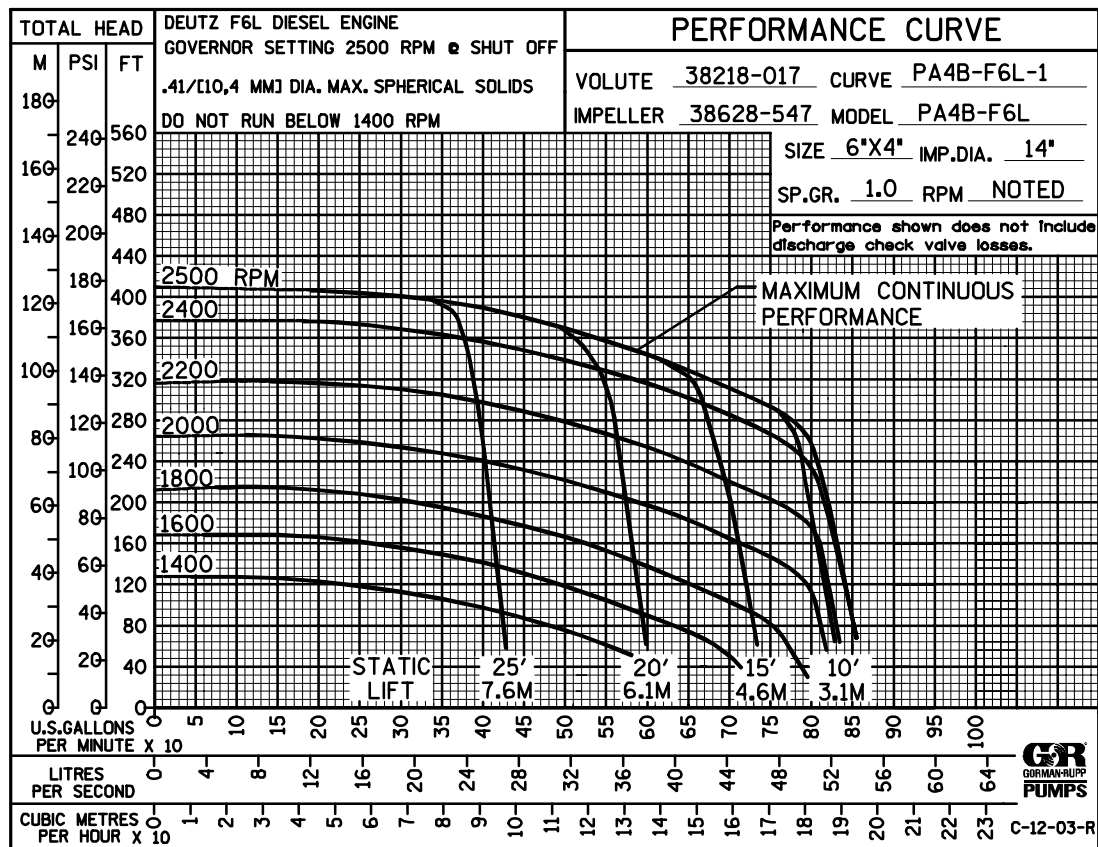
PERFORMANCE CURVE

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.



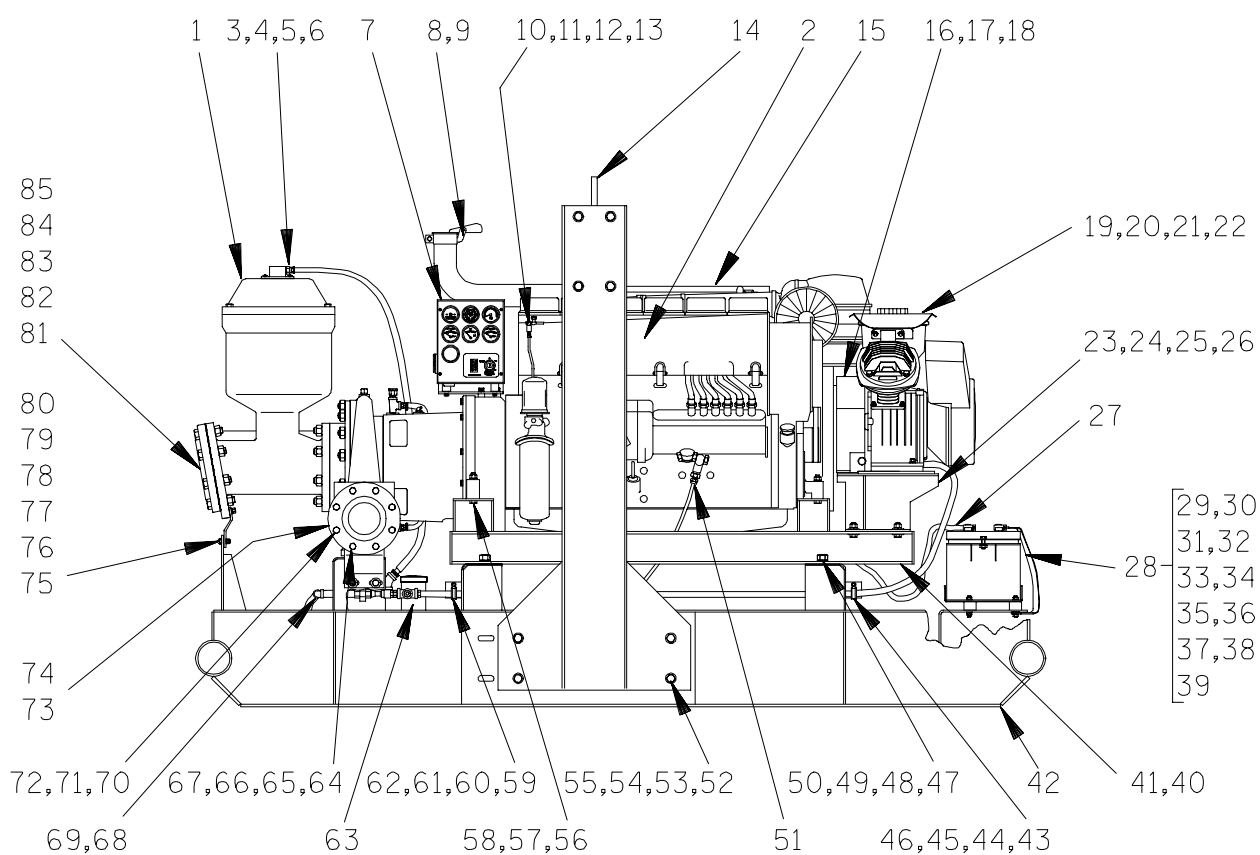
Pump speed and operating condition points must be within the continuous performance range shown on the curve.



Performance Curve – Model PA4B60–F6L

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PARTS LIST

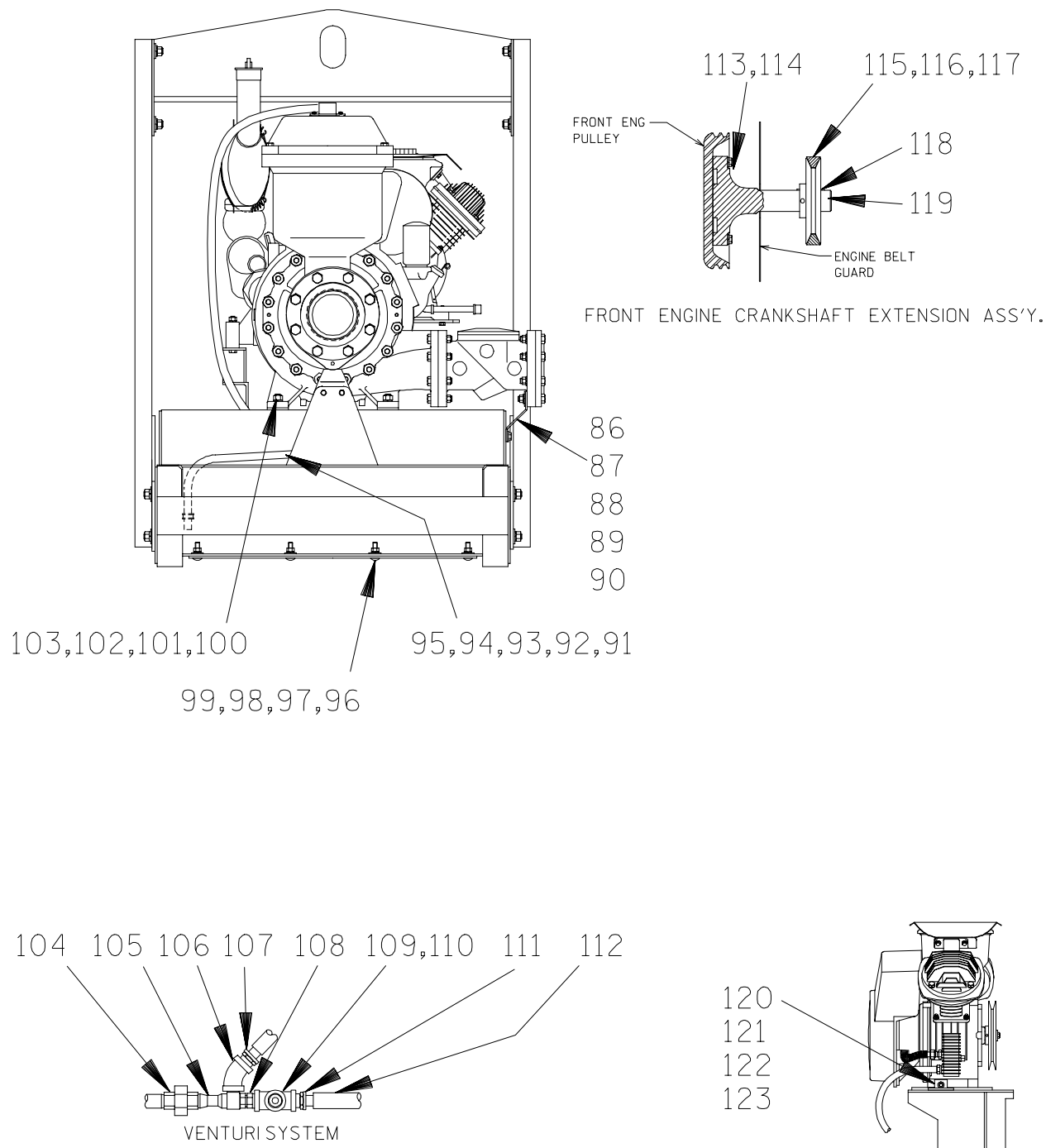
Pump Model PA4B60—F6L

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 END ASSEMBLY	PA4B60—(SAE 3/10)		1	44	HEX HD CAPSCREW	B#10—03	15991	1
2	DEUTZ ENGINE	29217—111	----	1	45	HEX NUT	D#10	15991	1
3	REDUCER BUSHING	AP1208	15079	1	46	LOCKWASHER	J#10	15991	1
4	HOSE BARB FITTING	26523—047	----	1	47	HEX HD CAPSCREW	B1008	15991	4
5	CONNECTOR 1/2	S1598	----	1	48	HEX NUT	D10	15991	4
6	4' HOSE	18513—113	----	1	49	LOCKWASHER	J10	15991	4
7	CONTROL PANEL KIT	48122—511	----	1	50	FLAT WASHER	K10	15991	4
8	EXHAUST ELBOW	31912—036	15210	1	51	FUEL LINE ASSY	46341—801	----	1
9	RAIN CAP	S1387	----	1	52	HEX HD CAPSCREW	B1008	15991	8
10	FUEL LINE	11308K	----	1	53	HEX NUT	D10	15991	8
11	HOSE CLAMP	26518—641	----	2	54	LOCKWASHER	J10	15991	8
12	MALE CONNECTOR	26523—382	----	1	55	FLAT WASHER	K10	15991	8
13	REDUCER BUSHING	AP0402	15079	1	56	HEX HD CAPSCREW	B0815	15991	4
14	LIFTING BAIL	44715—031	----	1	57	HEX NUT	D08	15991	4
15	MUFFLER GUARD ASSY	42331—035	----	1	58	LOCKWASHER	J08	15991	4
16	BELT GUARD ASSY	42353—020	----	1	59	CABLE CLAMP	27111—346	----	1
17	HEX HD CAPSCREW	B0604	15991	2	60	HEX HD CAPSCREW	B#10—03	15991	1
18	LOCKWASHER	J06	15991	2	61	HEX NUT	D#10	15991	1
19	AIR COMPRESSOR ASSY	46181—903	----	1	62	LOCKWASHER	J#10	15991	1
20	HEX HD CAPSCREW	B0604	15991	4	63	FUEL TANK ASSY	46711—081	----	1
21	LOCKWASHER	J06	15991	4	64	HEX HD CAPSCREW	B1011	15991	2
22	FLAT WASHER	K06	15991	4	65	HEX NUT	D10	15991	2
23	MTG BRACKET ASSY	41881—585	24150	1	66	LOCKWASHER	J10	15991	2
24	HEX HD CAPSCREW	B0805	15991	4	67	FLAT WASHER	K10	15991	2
25	HEX NUT	D08	15991	4	68	PIPE ELBOW	R08	11999	1
26	LOCKWASHER	J08	15991	4	69	MALE HOSE END	26525—020	----	1
27	POS BATTERY CABLE	47311—137	----	1	70	HEX HD CAPSCREW	B1010	15991	6
28	BATTERY BOX ASSY	GRP40—08C	----	1	71	HEX NUT	D10	15991	6
29	—HEX HD CAPSCREW	B0607	15991	2	72	LOCKWASHER	J10	15991	6
30	—FLAT WASHER	K06	15991	2	73	DISCHARGE FLANGE	1756	10010	1
31	—FLANGED HEX NUT	21765—314	----	2	74 *	DISCH FLANGE GSKT	1676G	18000	1
32	—GRND CABLE ASSY	47311—064	----	1	75	PRIMING CHAMBER BRKT	34535—010	15120	1
33	—BATTERY BOX LID	42113—012	24150	1	76	HEX HD CAPSCREW	B0604	15991	2
34	—12V BATTERY	SEE OPTIONS LIST			77	HEX HD CAPSCREW	B0605	15991	1
35	—BATTERY TAG	38818—506	----	1	78	HEX NUT	D06	15991	3
36	—BATTERY BOX	42431—030	24150	1	79	LOCKWASHER	J06	15991	3
37	—STUD MOUNT	24631—006	----	4	80	FLAT WASHER	K06	15991	3
38	—FLANGED HEX NUT	21765—314	----	8	81	SUCTION FLANGE	1758	10010	1
39	T TYPE LOCKWASHER	BL06	15991	1	82 *	SUCT FLANGE GSKT	1679G	18000	1
40	ENGINE RAIL RH ASSY	41611—053	24150	1	83	HEX HD CAPSCREW	B1212	15991	8
41	ENGINE RAIL LH ASSY	41611—054	24150	1	84	HEX NUT	D12	15991	8
42	SKID ASSY	41565—577	24150	1	85	LOCKWASHER	J12	15991	8
43	CABLE CLAMP	27111—346	----	1					

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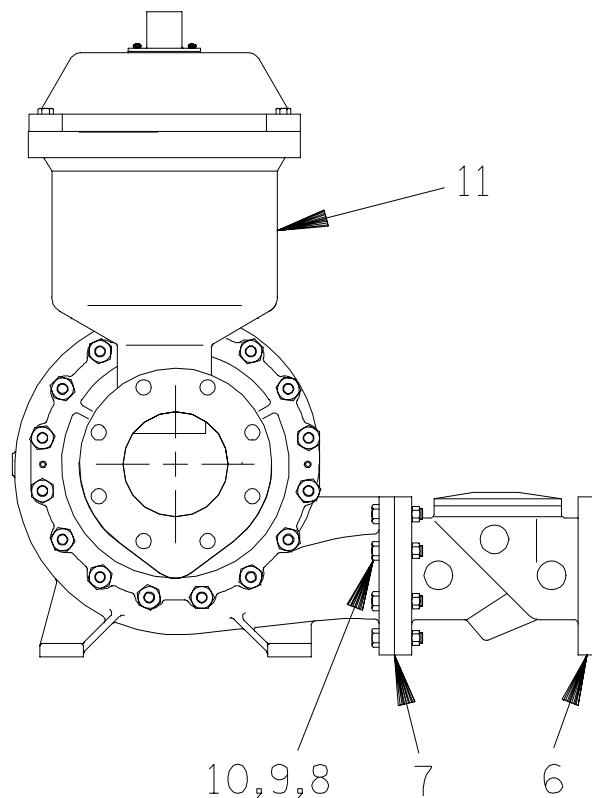
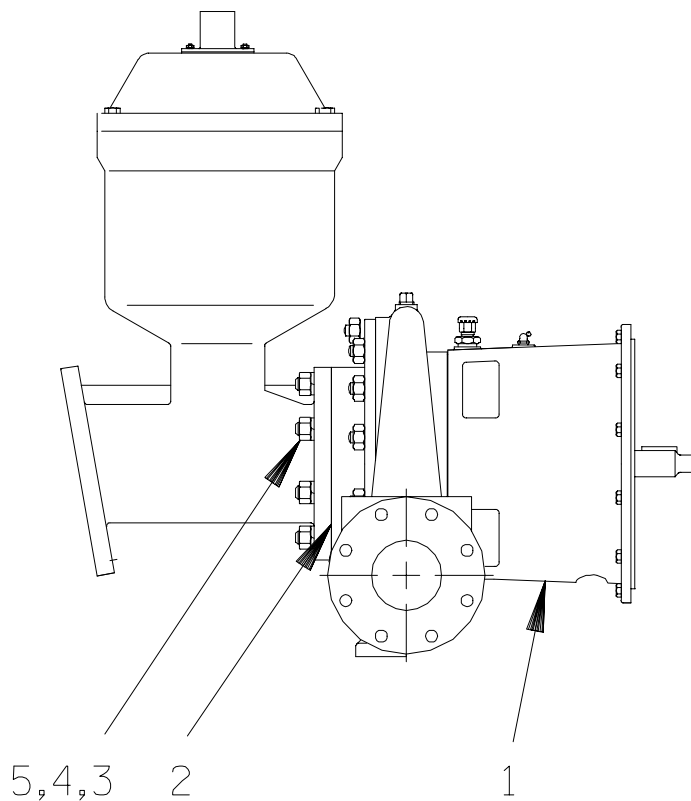
Pump Model PA4B60—F6L

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		
86	CHECK VALVE BRKT	34534—025	15120	1	119	CRANKSHAFT EXT	38531—009	11010	1		
87	HEX HD CAPSCREW	B0805	15991	2	120	MOTOR ADJ ASSY	41327—031	24150	1		
88	HEX NUT	D08	15991	2	121	HEX NUT	D08	15991	1		
89	LOCKWASHER	J08	15991	2	122	LOCKWASHER	J08	15991	1		
90	FLAT WASHER	K08	15991	2	123	FLAT WASHER	K08	15991	1		
91	20" HOSE	18513—113	----	1	NOT SHOWN:						
92	CABLE CLAMP	27111—346	----	1							
93	HEX HD CAPSCREW	B#10—03	15991	1			INSTRUCTION DECAL	38818—144	----	1	
94	HEX NUT	D#10	15991	1			WARNING DECAL	38816—063	----	2	
95	LOCKWASHER	J#10	15991	1			LUBE DECAL	38816—075	----	1	
96	CARRIAGE BOLT	AB0807	15991	8			WARNING DECAL	2613FE	----	1	
97	HEX NUT	D08	15991	8			SUCTION STICKER	6588AG	----	1	
98	LOCKWASHER	J08	15991	8			DISCHARGE STICKER	6588BJ	----	1	
99	FLAT WASHER	K08	15991	8			RPM DECAL	2613FJ	----	1	
100	HEX HD CAPSCREW	B1008	15991	2			LIFT DECAL	38816—330	----	2	
101	HEX NUT	D10	15991	2			LIFT DECAL	38816—218	----	2	
102	LOCKWASHER	J10	15991	2			PRIME-AIRE DECAL	38812—078	----	2	
103	FLAT WASHER	K10	15991	2			INSTRUCTION DECAL	38816—194	----	1	
104	PIPE UNION	AH08	11999	1			V-BELT TENSION DECAL	38816—049	----	2	
105	VENTURI	26817—002	----	1			WARNING DECAL	2613FE	----	1	
106	45° PIPE ELBOW	AG08	11999	1			ENG START-UP TAG	38816—269	----	1	
107	MALE HOSE END	26525—020	----	1			INSTR TAG PAPER	38817—085	----	1	
108	RED PIPE BUSHING	AP0806	15079	1			NAME PLATE	38818—127	13000	1	
109	PIPE TEE	U08	11999	1			DRIVE SCREW	BM#04—03	17000	4	
110	RELIEF VALVE	26662—028	----	1			STRAINER	S1529	----	1	
111	MALE HOSE END	26525—020	----	1			GR DECAL	GR—06	----	3	
112	88" HOSE	18513—113	----	1			FLOAT SWITCH KIT	48312—980	----	1	
113	HEX HD CAPSCREW	22645—136	----	4			WARNING DECAL	38816—203	----	4	
114	LOCKWASHER	21171—510	----	4		OPTIONAL:					
115	BUSHING	24131—553	----	1				BATTERY	29331—506	----	1
116	SHEAVE	24214—002	----	1				TWO-FLOAT SWITCH KIT	48312—981	----	1
117	V-BELT	24166—011	----	1							
118	SHAFT KEY	N0405	15990	1							

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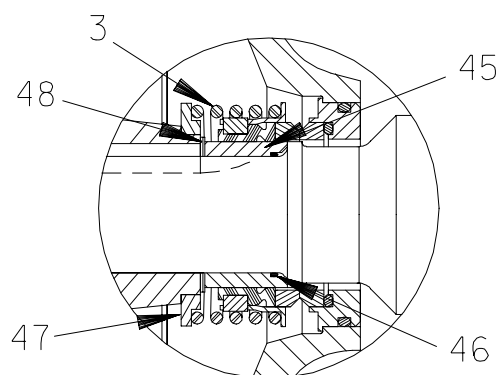
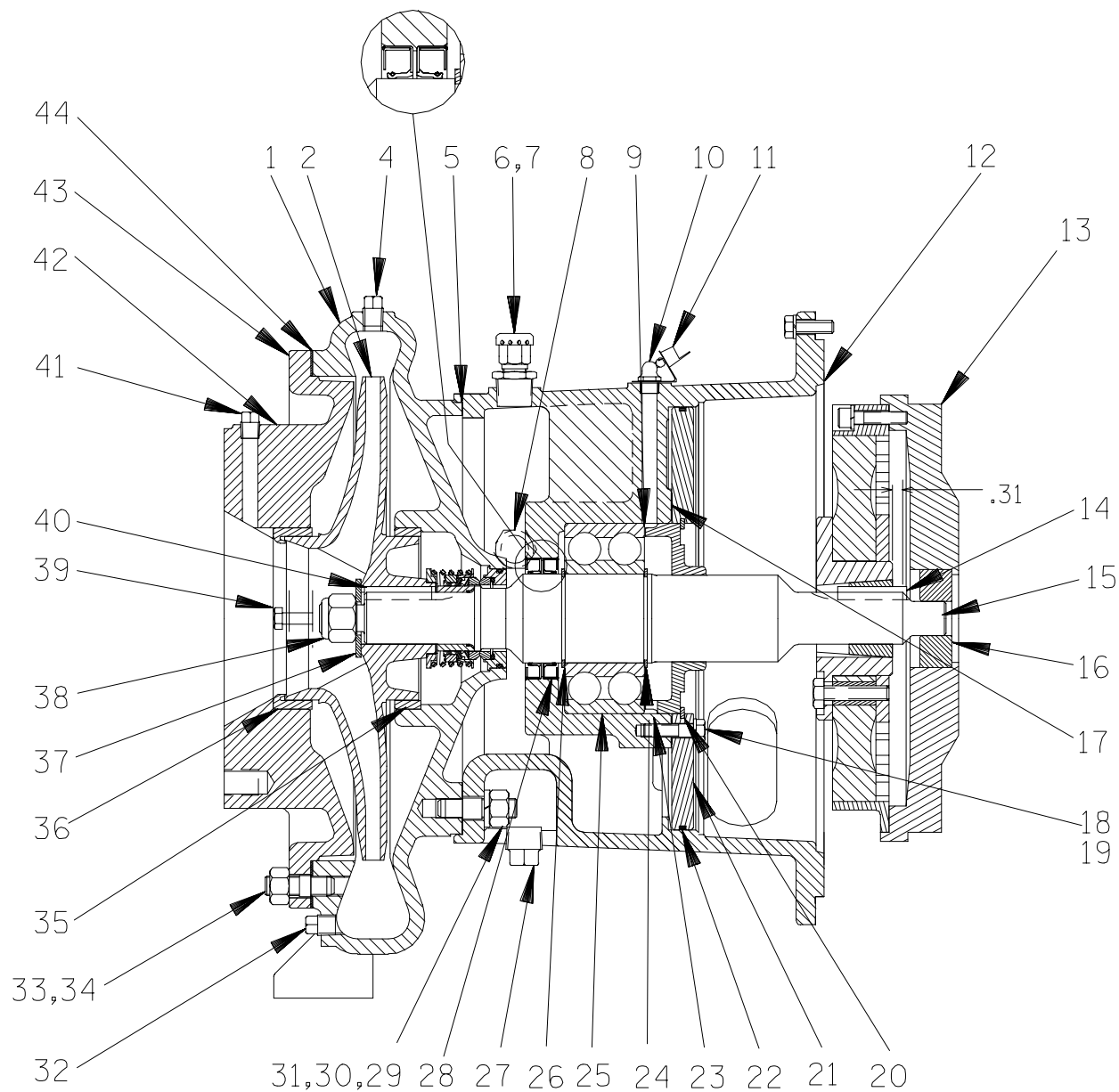
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PARTS LIST
PA4B60—(SAE 3/10) Pump Assembly

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP END ASSY	64B60—(SAE3/10)	---	1
2	* PUMP CASING GSKT	1679G	18000	1
3	STUD	C1211	15991	8
4	HEX NUT	D12	15991	8
5	LOCKWASHER	J12	15991	8
6	CHECK VALVE ASSY	26642—124	---	1
	—FLAPPER	26688—001	---	1
	—COVER GASKET	26688—002	---	1
7	DISCHARGE FLANGE GSKT	1676G	18000	1
8	HEX HD CAPSCREW	B1010	15991	8
9	HEX NUT	D10	15991	8
10	LOCKWASHER	J10	15991	8
11	PRIMING CHAMBER ASSY	46112—703	---	1

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SEAL AREA DETAIL

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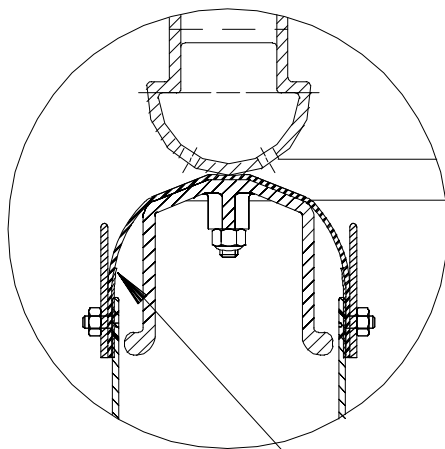
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PARTS LIST
64B60—(SAE 3/10) Pump End Assembly

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP CASING	38218-017	10000	1	28 *	OIL SEAL	25227-773	----	2
2 *	IMPELLER ASSY	38628-547	10010	1	29	STUD	C1009	15991	4
3 *	SEAL ASSY	46512-048	----	1	30	HEX NUT	D10	15991	4
4	PIPE PLUG	P06	15079	1	31	LOCKWASHER	J10	15991	4
5 *	CASING GASKET SET	38684-502	18000	1	32	CASING DRAIN PLUG	P06	15079	1
6	AIR VENT	S1703	----	1	33	STUD	C1009	15991	16
7	RED PIPE BUSHING	AP1206	15079	1	34	HEX NUT	D10	15991	16
8	SIGHT GAUGE	S1471	----	1	35 *	BALANCE RING	64H6	14000	1
9 *	BRG ADJ SHIM SET	8548	15990	1	36 *	WEAR RING	64H5	14000	1
10	LUBE FITTING	S194	----	1	37	FLAT WASHER	K14	15991	1
11	CAP PLUG	25141-151	----	1	38	NYLON LOCKNUT	BC14S	15991	1
12	INTERMEDIATE	38264-702	10000	1	39	HEX HD CAPSCREW	B0604	15991	2
13	DRIVE ASSY	44162-119	----	1	40 *	IMPELLER KEY	N0608	15990	1
14 *	SHAFT KEY	N0608	15990	1	41	PIPE PLUG	P04	15079	1
15 *	IMPELLER SHAFT	38515-585	1706H	1	42	SUCTION STICKER	6588AG	----	1
16	PILOT BUSHING	8312A	15010	1	43	SUCTION HEAD	38247-418	10000	1
17 *	INTERMEDIATE GSKT	38683-446	18000	1	44 *	SUCTION HEAD GSKT	7557G	18000	1
18	HEX HD CAPSCREW	B0606	15991	3	45 *	SHAFT SLEEVE	31163-018	17060	1
19	LOCKWASHER	J06	15991	3	46 *	SHAFT SLEEVE O-RING	25154-026	----	1
20	RETAINING RING	24121-080	----	1	47	SPRING HOLDER	31167-023	15000	1
21	OIL CHAMBER PLATE	31255-009	15080	1	48	IMP SHIM SET	5091	17090	1
22	OIL CHMBR PLT O-RING	25152-278	----	1	NOT SHOWN:				
23	BEARING RETAINER	38322-526	10000	1		OIL LEVEL DECAL	38816-123	----	1
24	RETAINING RING	S720	----	1		DRIVE SCREW	BM#04-03	17000	4
25 *	DBL ROLLER BEARING	23421-414	----	1		NAME PLATE	38818-127	13000	1
26	RETAINING RING	S720	----	1		DISCHARGE STICKER	6588BJ	----	1
27	OIL CVTY DRAIN PLUG	P12	15079	1		INTER GUARD ASSY	42381-504	----	2

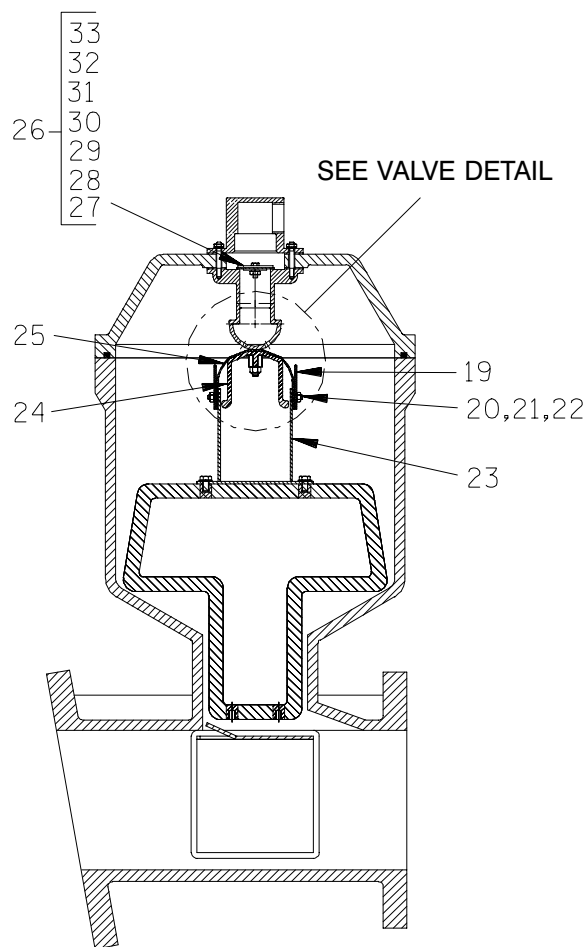
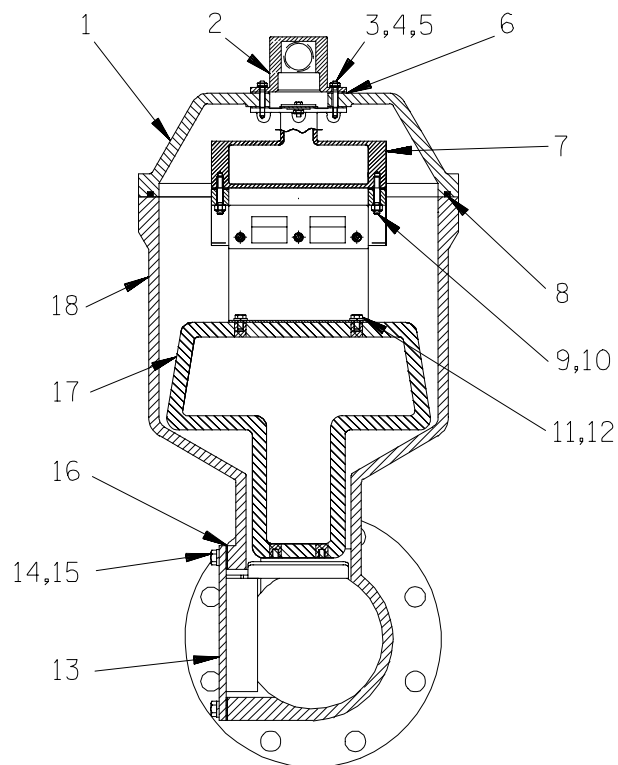
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VALVE DETAIL

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PARTS LIST
46112—703 Peeler Type Priming Valve

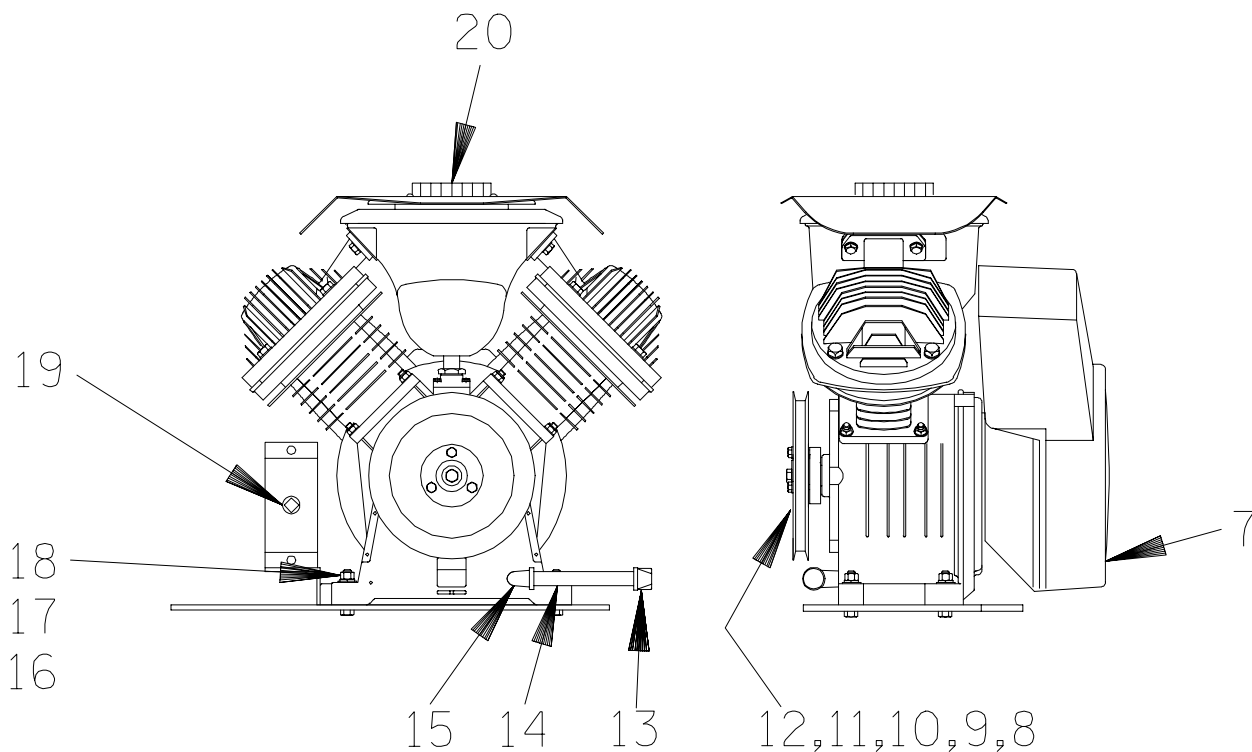
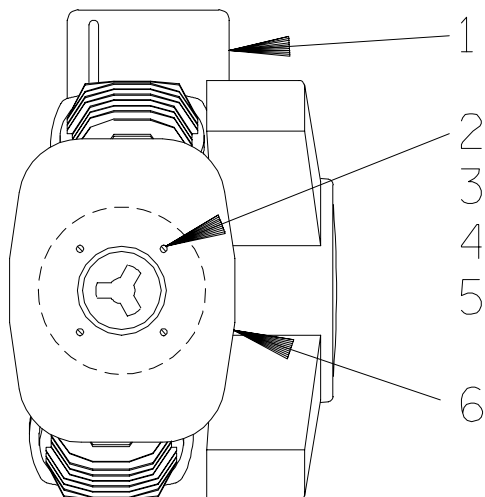
ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PRIMING CHAMBER LID	38346—613	13000	1
2	PEELER VALVE NECK	38349—410	10000	1
3	LOCKWASHER	J#10	17000	4
4	HEX NUT	D#10	17000	4
5	STUD	21332—038	---	4
6	* NECK GASKET	38683—266	19020	1
7	VALVE BODY	38343—014	14000	1
8	* CHAMBER LID GASKET	38689—039	19000	1
9	STUD	C0406 1/2	17000	2
10	HEX LOCK NUT	BC04	17000	2
11	HEX HD CAPSCREW	B0402 1/2	17000	4
12	LOCKWASHER	J04	17000	4
13	INDUCTOR GUARD ASSY	42381—066	24150	1
14	HEX HD CAPSCREW	B0606	15991	4
15	LOCKWASHER	J06	15991	4
16	* CHAMBER GSKT	38687—552	18000	1
17	* PRIMING VALVE FLOAT	38349—404	19220	1
18	PRIMING CHAMBER	38343—017	10000	1
19	GUIDE PLATE	33522—009	17000	2
20	FLAT HD CAPSCREW	F#10—03	17000	6
21	LOCKWASHER	J#10	17000	6
22	HEX NUT	D#10	17000	6
23	VLV STRAP BRKT ASSY	41881—523	24150	1
24	CLAMP PLATE	38349—406	14000	1
25	VALVE STRAP	33276—041	19410	1
26	CHECK VALVE ASSY	46411—112	---	1
27	* —CHECK VALVE	38671—413	19020	1
28	—LOCKWASHER	J#10	17000	1
29	—HEX NUT	D#10	17000	1
30	—FLATWASHER	21161—810	---	1
31	—HEX HD CAPSCREW	B#10—02	17000	1
32	—FLATWASHER	21161—811	---	1
33	—SEALING WASHER	25123—056	---	1
34	VALVE STRAP PROTECTOR	33271—019	19000	2

NOT SHOWN:

HEX HD CAPSCREW	B0807	15991	4
PIPE PLUG	P04	15079	1

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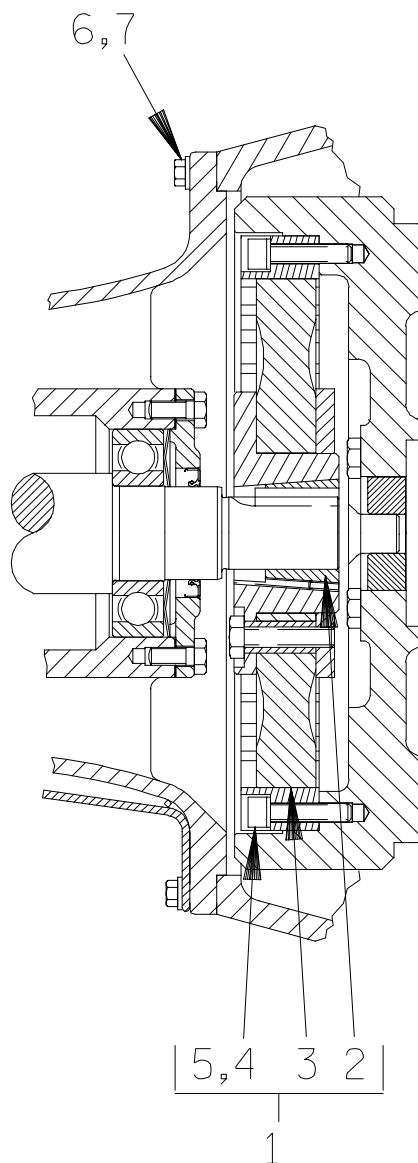
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PARTS LIST
46181—903 Air Compressor Assembly

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	AIR COMPRESSOR MOUNTING PLATE ASSY	41881—584	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	SHEAVE	24226—003	---	1
9	BUSHING	24131—611	---	1
10	CAPSCREW	22645—164	---	3
11	SHAFT EXTENSION	31412—070	15000	1
12	PULLEY KEY	24113—601	---	1
13	PIPE CAP	V06	15079	1
14	PIPE NIPPLE	T0616	15079	1
15	STREET ELBOW	R06	11999	1
16	HEX NUT	D06	15991	4
17	LOCKWASHER	J06	15991	4
18	FLAT WASHER	K06	15991	4
19	PIPE PLUG	P08	15079	1
20	AIR COMPRESSOR KNOB	38429—501	19220	1

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PUMP ISSUE 2**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 ASSY	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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