



***PRIME-AIRE*[®] SERIES
PUMP MODEL
PA6C60-4045D-ESP**

**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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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: _____

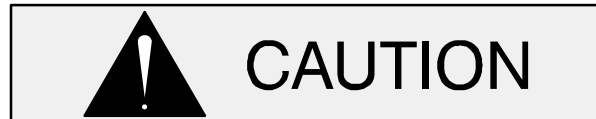
WARRANTY INFORMATION

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.

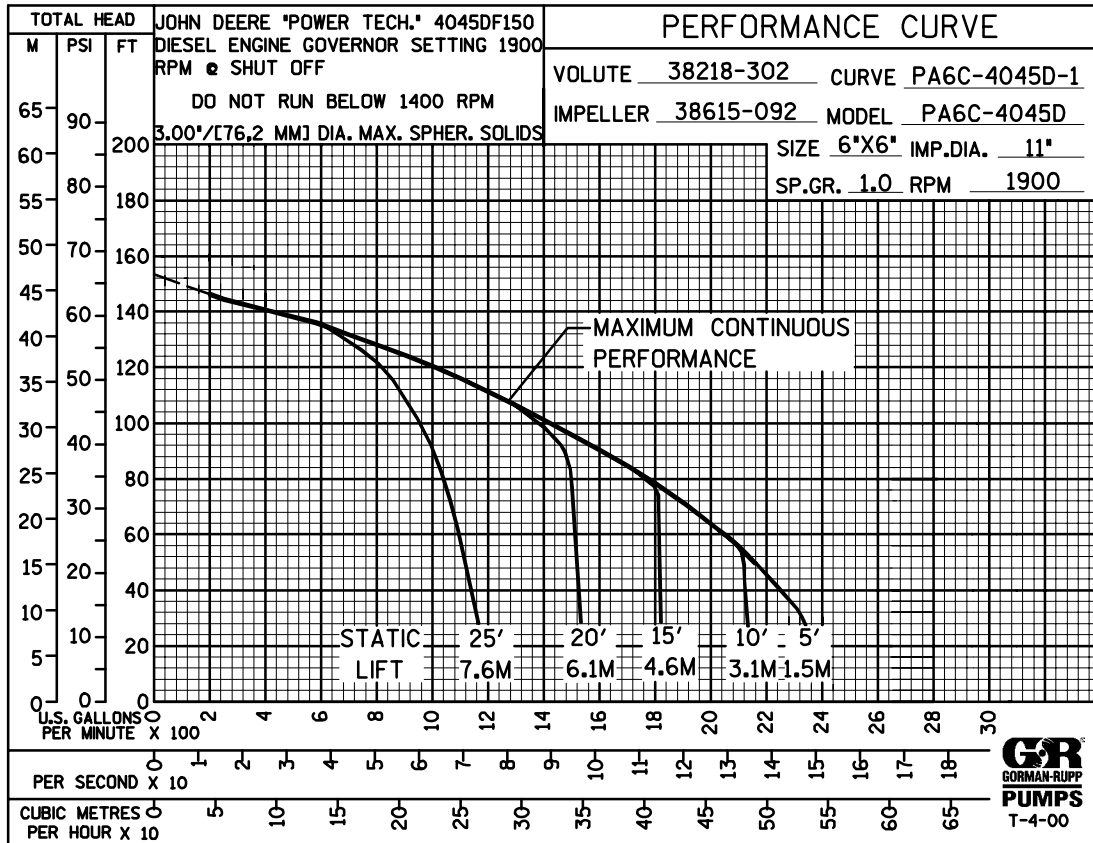
PERFORMANCE CURVE

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

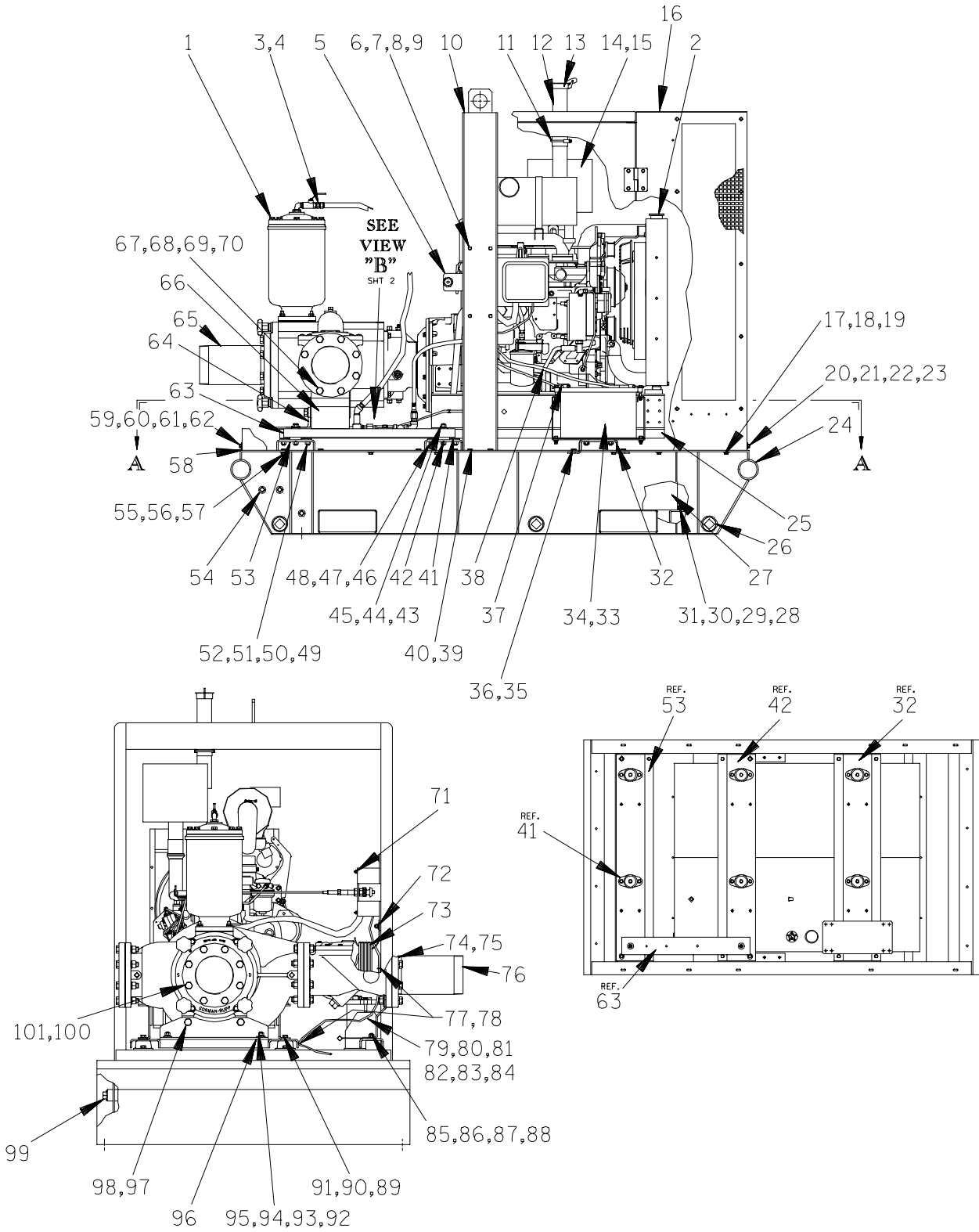


Pump speed and operating condition points must be within the continuous performance range shown on the curve.



Performance Curve – Model PA6C60-4045D-ESP

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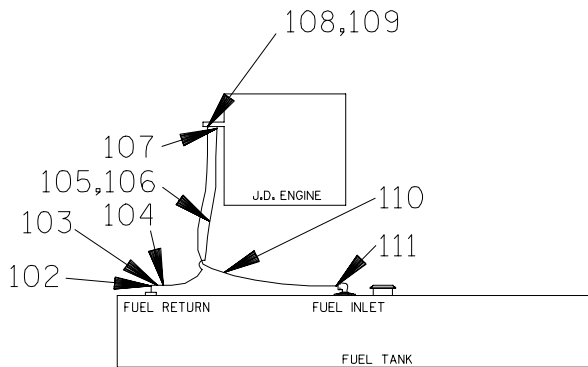
**PARTS LIST
Pump Model PA6C60-4045D-ESP**

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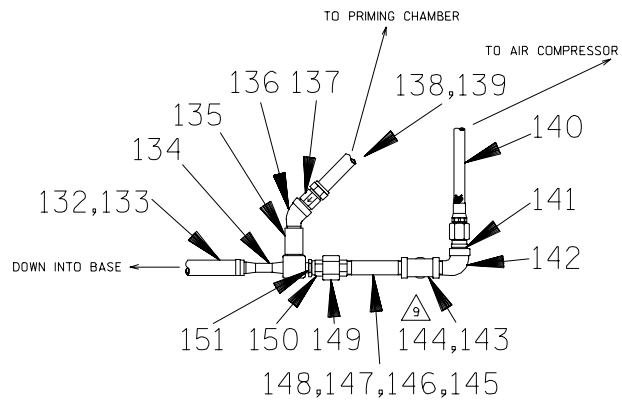
ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP END ASSEMBLY	46133-667	----	1	51	FLAT WASHER	K08	15991	4
2	JOHN DEERE 4045D	29224-128	----	1	52	HEX NUT	D08	15991	4
3	1/2" CONNECTOR	S1598	----	1	53	CROSS RAIL ASSY	41581-028	24150	1
4	HOSE BARB FITTING	26523-047	----	1	54	PIPE PLUG	P08	15079	3
5	MOUNTING BRACKET	34621-293	13000	1	55	HEX HD CAPSCREW	B0805	15991	4
6	HEX HD CAPSCREW	B0605	15991	4	56	LOCK WASHER	J08	15991	4
7	LOCK WASHER	J06	15991	4	57	FLAT WASHER	K08	15991	4
8	FLAT WASHER	K06	15991	4	58	23.2 FOOT FOAM TAPE	18668-003	----	1
9	HEX NUT	D06	15991	4	59	HEX HD CAPSCREW	B0504	15991	3
10	HOISTING BAIL ASSY	44713-036	24150	1	60	FLAT WASHER	K05	15991	3
11	MUFFLER CLAMP	S1980	----	1	61	LOCK WASHER	J05	15991	3
12	EXHAUST EXTENSION	31615-036	15210	1	62	MOUNTING ASSEMBLY	41881-788	----	1
13	WEATHER CAP	S1710	----	1	63	CROSS RAIL	34414-098	15080	1
14	EXHAUST SILENCER	29334-128	----	1	64	PUMP SUPPORT	34265-040	15080	1
15	EXHAUST BLANKET	29334-293	----	1	65	PIPE NIPPLE	T9648	15070	1
16	ENCLOSURE ASSY	42164-015	----	1	66	C.V. SUPPORT	34561-009	15080	1
	-DOOR W/WINDOW	42142-134	----	1	67	HEX HD CAPSCREW	B1214	15991	8
	-DOOR W/O WINDOW	42142-135	----	1	68	LOCK WASHER	K12	15991	8
17	HEX HD CAPSCREW	B0505	15991	20	69	FLAT WASHER	J12	15991	2
18	FLAT WASHER	K05	15991	20	70	HEX NUT	D12	15991	8
19	LOCK WASHER	J05	15991	20	71	FLAT WASHER	K04	15991	4
20	HEX HD CAPSCREW	B0504	15991	5	72	BRACKET	34184-007	15120	1
21	FLAT WASHER	K05	15991	5	73	FLOAT SWITCH KIT	48312-980	----	1
22	LOCK WASHER	J05	15991	5	74	FLANGE	1758	10010	2
23	MOUNTING ASSEMBLY	41881-789	----	1	75	FLANGE GASKET	25113-036	----	2
24	BASE ASSEMBLY	41565-587	24150	1	76	PIPE NIPPLE	T9648	15070	1
25	BASE FRAME	41437-064	24150	1	77	CABLE TIE MTG BLOCK	27111-352	----	2
26	PIPE PLUG	P32	10009	3	78	CABLE TIE	27111-205	----	2
27	FUEL TANK ASSY	46711-092	24150	1	79	PLUG CONNECTION	27261-301	----	1
28	FLAT WASHER	K07	15991	6	80	6.68 FOOT CABLE SO	18141-147	----	1
29	LOCK WASHER	J06	15991	6	81	SOCKET CONNECTOR	27263-001	----	1
30	HEX NUT	D06	15991	6	82	HEX HD CAPSCREW	B0404	15991	2
31	14.01 FOOT FOAM TAPE	18668-003	----	1	83	LOCK WASHER	J04	15991	2
32	CROSS RAIL ASSY	41581-026	24150	1	84	FLAT WASHER	K04	15991	2
33	12V BATTERY	SEE OPTIONS		1	85	HEX HD CAPSCREW	B0606	15991	2
34	BATTERY BOX ASSY	42432-006	----	1	86	LOCK WASHER	K06	15991	2
35	HEX HD CAPSCREW	B0805	15991	4	87	FLAT WASHER	J06	15991	2
36	LOCK WASHER	J08	15991	4	88	HEX NUT	D06	15991	2
37	POS BATTERY CABLE	47311-111	----	1	89	HEX HD CAPSCREW	B0804	15991	6
38	NEG BATTERY CABLE	47311-189	----	1	90	LOCK WASHER	J08	15991	6
39	HEX HD CAPSCREW	B0805	15991	4	91	FLAT WASHER	K08	15991	6
40	LOCK WASHER	J08	15991	4	92	HEX HD CAPSCREW	B0806	15991	2
41	COMPRESSION MOUNT	24631-104	----	6	93	LOCK WASHER	J08	15991	2
42	CROSS RAIL ASSY	41581-027	24150	1	94	FLAT WASHER	K08	15991	2
43	HEX NUT	D08	15991	4	95	HEX NUT	D08	15991	2
44	LOCK WASHER	J08	15991	4	96	SHIM SET	48261-045	----	4
45	FLAT WASHER	K08	15991	4	97	HEX HD CAPSCREW	B1206	15991	2
46	HEX HD CAPSCREW	B0805	15991	4	98	LOCK WASHER	J12	15991	2
47	LOCK WASHER	J08	15991	4	99	PIPE PLUG	P20	10009	1
48	FLAT WASHER	K08	15991	4	100	HEX HD CAPSCREW	B1209	15991	8
49	STUD MOUNT	24631-011	----	2	101	LOCK WASHER	J12	15991	8
50	LOCK WASHER	J08	15991	4					

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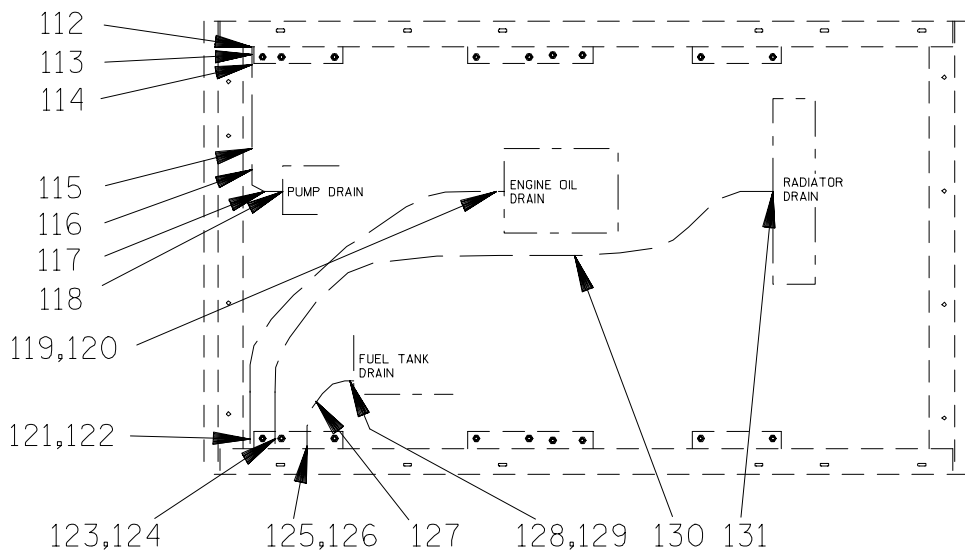
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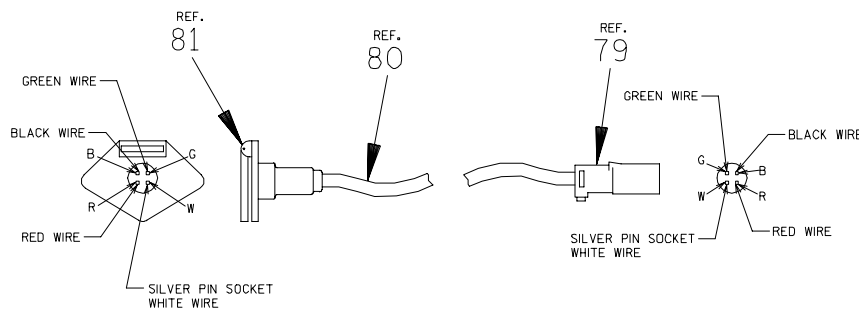
FUEL LINE ASSEMBLY



VIEW B-B
2X SCALE



DRAIN LINES



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PARTS LIST
Pump Model PA6C60-4045D-ESP

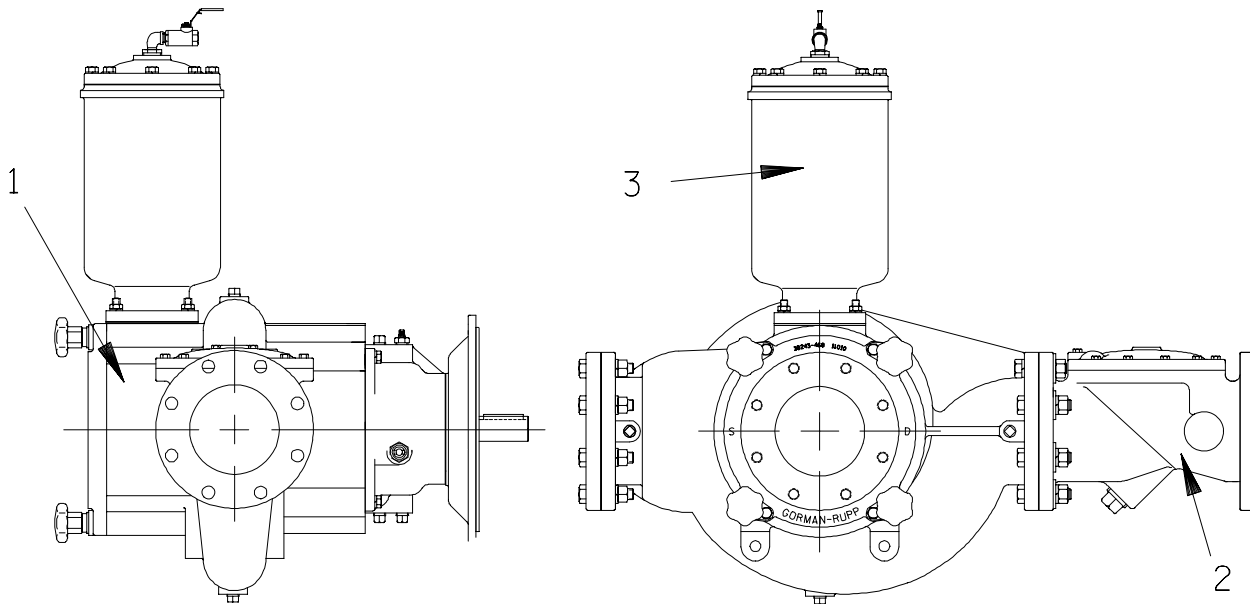
ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
102	STREET ELBOW	RS06	11999	1	148	FLAT WASHER	K08	15991	1
103	REDUCER BUSHING	AP0604	15079	1	149	HEX NUT	D08	15991	1
104	HOSE BARB FTG	26523-386	----	1	150	PIPE UNION	AH08	11999	1
105	3.8 FOOT HOSE	18513-301	----	1	151	REDUCER BUSHING	AP0806	15079	1
106	HOSE CLAMP	26518-641	----	2	NOT SHOWN:				
107	HOSE BARB FTG	26523-386	----	1		WARNING DECAL	38816-319	----	2
108	CONNECTOR	S1447	----	1		PUMP DRAIN LABEL	38816-320	----	1
109	HOSE END	26523-015	----	1		FUEL TANK DRAIN LABEL	38816-321	----	1
110	3.6 FOOT HOSE	18513-054	----	1		RADIATOR DRAIN LABEL	38816-322	----	1
111	HOSE BARB MALE	26523-333	----	1		OIL DRAIN LABEL	38816-323	----	1
112	BUSHING	AP2008	11999	1		LEVEL CONTROL LABEL	38816-332	----	1
113	MALE HOSE END	26525-020	----	2		WARNING DECAL	38816-330	----	2
114	HOSE CLAMP	26518-642	----	2		WARNING DECAL	38816-218	----	2
115	2.01 FOOT HOSE	18513-056	----	1		ENG START-UP TAG	38816-269	----	1
116	BALL VALVE	26631-023	----	1		INSTRUCTION TAG	38817-085	----	1
117	PIPE NIPPLE	T08	15079	1		CAUTION DECAL	2613FJ	----	1
118	STREET ELBOW	RS08	11999	1		SUCTION STICKER	6588AG	----	1
119	HOSE CLAMP	26518-642	----	1		DISCHARGE STICKER	6588BJ	----	1
120	6.26 FOOT HOSE	18513-056	----	1		DECAL KIT	48154-805	----	1
121	HOSE CLAMP	26518-642	----	1		WARNING DECAL	38816-203	----	2
122	MALE HOSE END	26525-020	----	1		INSTRUCTION DECAL	38818-144	----	1
123	HOSE CLAMP	26518-642	----	1		PRIME-AIRE DECAL	38812-078	----	2
124	HOSE FITTING	26523-335	----	1		HEX HD CAP SCREW	B0602	15991	4
125	PIPE NIPPLE	T08	15079	1	OPTIONS:				
126	BALL VALVE	26631-023	----	1		12V BATTERY (DRY)	29331-517	----	1
127	.85 FOOT HOSE	18513-056	----	1		12V BATTERY (WET)	29331-527	----	1
128	HOSE CLAMP	26518-642	----	2		EPS/TRANSDUCER CTRL PANEL KIT			
129	MALE HOSE END	26525-020	----	2			48122-522	----	1
130	7.34 FOOT HOSE	18513-054	----	1		GAUGE KIT	48213-112	----	1
131	HOSE CLAMP	26518-642	----	1		2-5/16" BALL TANDEM HIGHWAY			
132	2.01 FOOT HOSE	18513-115	----	1		TRAILER W/SURGE BRAKES			
133	HOSE CLAMP	26518-666	----	1		-JACK W/FOOT PAD	29313-011	----	1
134	VENTURI	26817-002	----	1		-JACK W/DOLLY WHEEL	29313-012	----	1
135	PIPE COUPLING	AE08	15079	1		3" I.D. LUNETTE EYE TANDEM			
136	STREET ELBOW	AGS08	11999	1		HIGHWAY TRAILER W/SURGE BRAKES			
137	BALL/CHECK VALVE	26641-091	----	1		-JACK W/FOOT PAD	29313-013	----	1
138	HOSE BARB FTG	26523-446	----	1		-JACK W/DOLLY WHEEL	29313-014	----	1
139	4.68 FOOT HOSE	18513-113	----	1		2-5/16" BALL TANDEM HIGHWAY			
140	HOSE ASSY	46341-426	----	1		TRAILER W/ELECTRIC BRAKES			
141	MALE ADAPTOR	26351-065	----	2		-JACK W/FOOT PAD	29313-015	----	1
142	STREET ELBOW	RS08	11999	1		-JACK W/DOLLY WHEEL	29313-016	----	1
143	1/2 TEE	U08	11999	1		3" I.D. LUNETTE EYE TANDEM			
144	PRESS RELIEF VALVE	26662-028	----	1		HIGHWAY TRAILER W/ELECTRIC BRAKES			
145	BRACKET ASSY	41881-706	24150	1		-JACK W/FOOT PAD	29313-017	----	1
146	HEX HD CAPSCREW	B0805	15991	1		-JACK W/DOLLY WHEEL	29313-018	----	1
147	LOCK WASHER	J08	15991	1					

* INDICATES PARTS RECOMMENDED FOR STOCK

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PARTS LIST
PA6C60-(SAE 4/10) Pump End Assembly

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP END ASSY	66F60-(SAE4/10)	---	1
2	CHECK VALVE KIT	48274-015	---	1
	-CHECK VALVE	26642-126	---	1
*	-FLAPPER	26688-001	---	1
*	-COVER O-RING	25152-377	---	1
*	-FLANGE GASKET	25113-036	---	1
3	PRIMING CHAMBER KIT	48275-005	---	1

NOT SHOWN

STRAINER	7823A	24000	1
SUCTION STICKER	6588AG	---	1
DISCHARGE STICKER	6588BJ	---	1
WARNING DECAL	2613FE	---	1
G-R DECAL	GR-06	---	1
LUBE DECAL	11421A	---	1
OIL LEVEL DECAL	38816-123	---	1
ROTATION DECAL	2613M	---	1

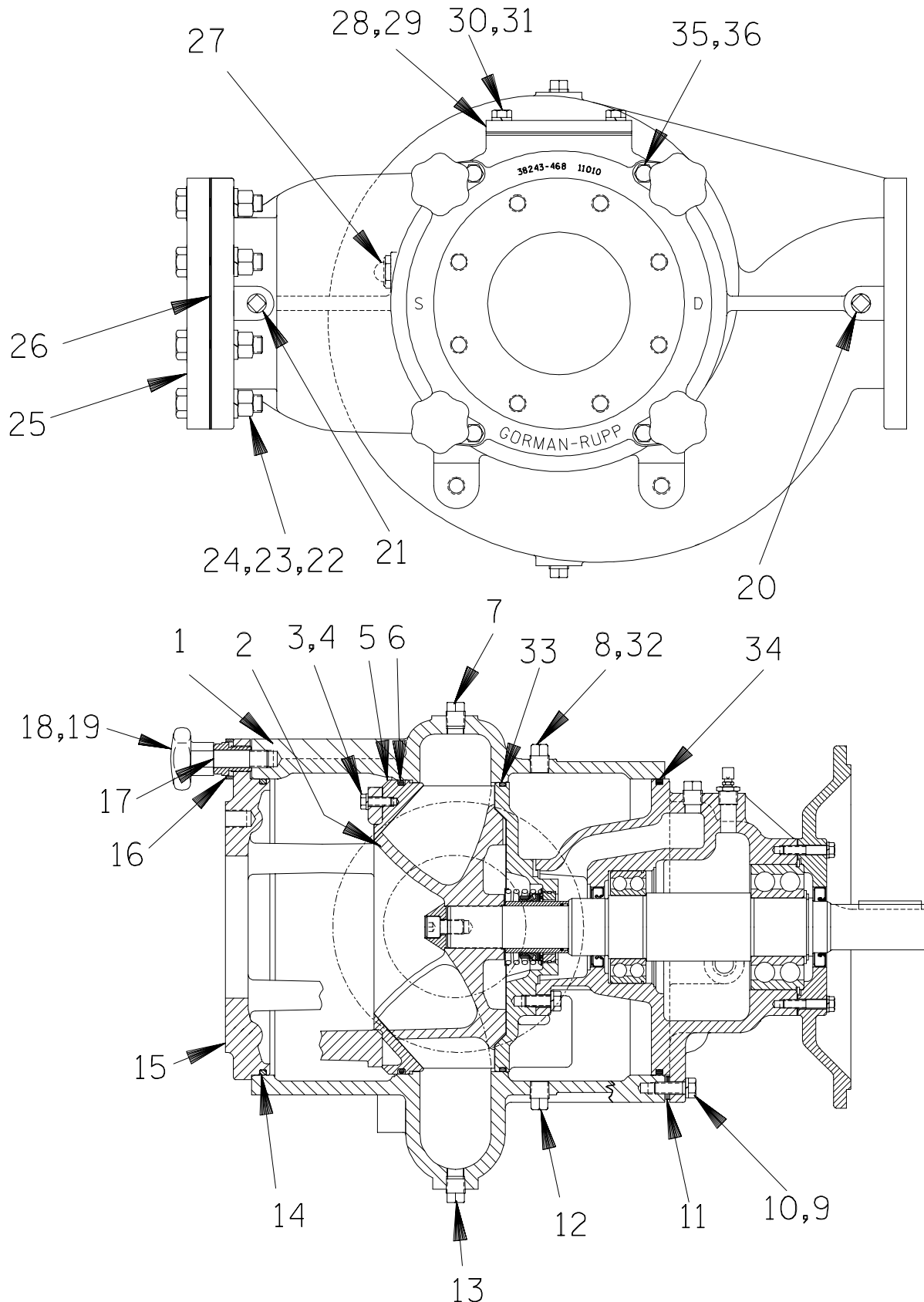
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PARTS LIST
PA6C60-(SAE 4/10) Pump End Assembly

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	VOLUTE	38218-303	11010	1
2	REPAIR ROTATING ASSY	44163-430	---	1
3	HEX HD CAP SCREW	B0604-1/2	17000	4
4	LOCK WASHER	J06	17090	4
5	WEAR PLATE	38691-864	11010	1
6	* O-RING	25152-453	---	1
7	PIPE PLUG	P08	15079	1
8	VENTED PLUG	4823A	15079	1
9	HEX HD CAP SCREW	B0806	15991	4
10	LOCK WASHER	J08	15991	4
11	ADJUSTING SHIM	13131-3	17040	12
12	PIPE PLUG	P08	15079	1
13	PIPE PLUG	P08	15079	1
14	* O-RING	S1676	---	1
15	BACK COVER PLATE	38243-468	11010	1
16	LOCKING COLLAR	38115-551	15001	4
17	ADJUSTING SCREWS	31871-070	1500X	4
18	STUD	C1213	15991	4
19	HAND KNOB	38115-901	10000	4
20	PIPE PLUG	P08	15079	1
21	PIPE PLUG	P08	15079	1
22	HEX HD CAP SCREW	B1213	15991	8
23	LOCK WASHER	J12	15991	8
24	HEX NUT	D12	15991	8
25	BLIND FLANGE ASSY	42111-349	---	1
26	* GASKET	25113-036	---	1
27	SIGHT GAUGE	S1471	---	1
28	COVERPLATE	33541-045	15080	1
29	* GASKET	38687-053	19060	1
30	HEX HEAD CAP SCREW	B0805	15991	4
31	LOCK WASHER	J08	15991	4
32	SHIP PLUG	11495B	15079	1
33	* O-RING	25152-381	---	1
34	* O-RING	S1676	---	1
35	HEX HD CAP SCREW	B0804-1/2	15991	4
36	LOCK WASHER	J08	15991	4
NOT SHOWN:				
	DRIVE ASSY	44162-159	---	1
	PIPE PLUG	P12	15079	1
	OIL LEVEL DECAL	38816-123	---	1
	NAME PLATE	38818-127	13000	1
	DRIVE SCREW	BM#04-03	17000	4

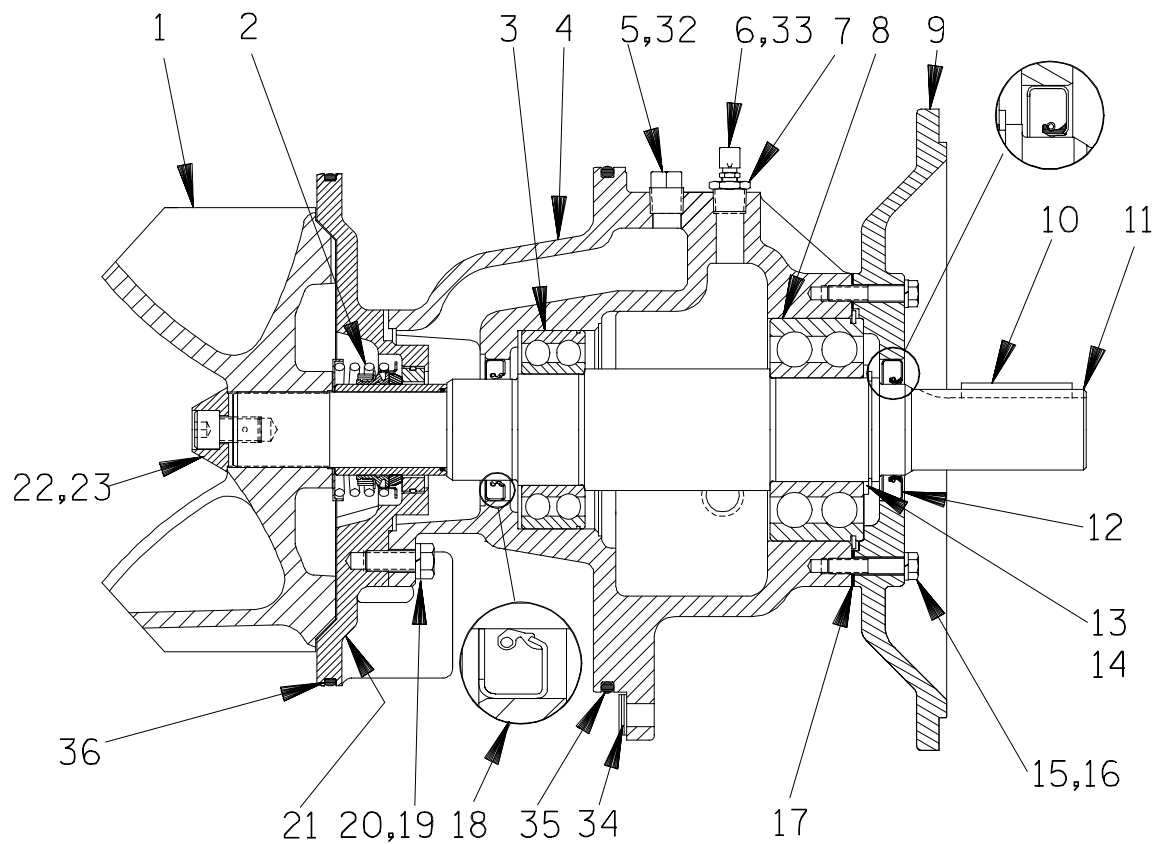
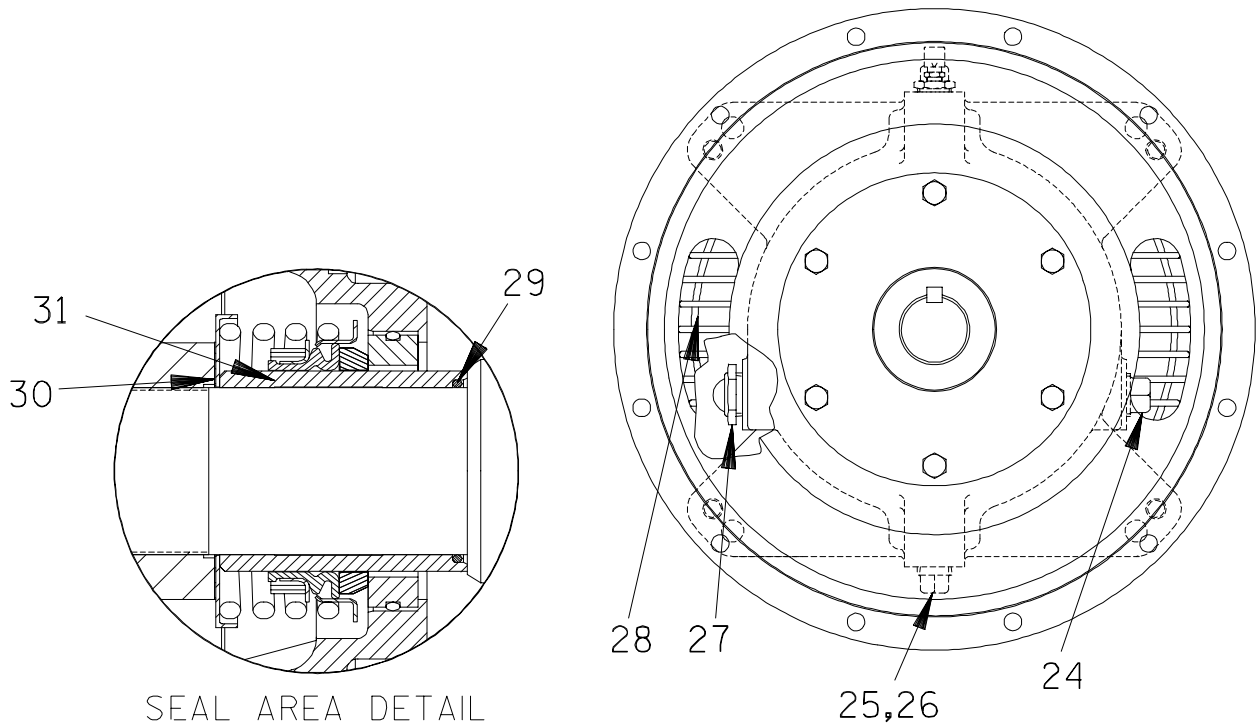
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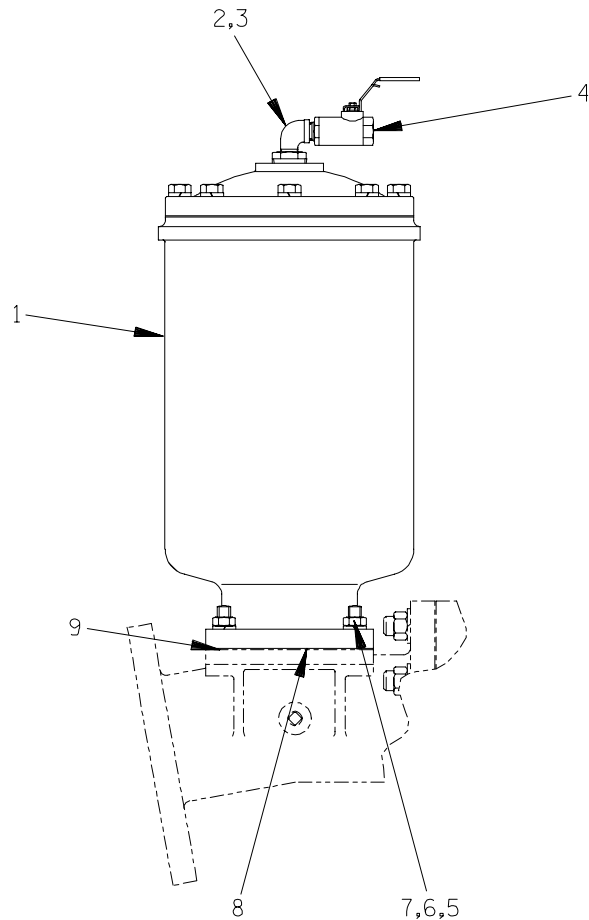
PARTS LIST
44163-430 Repair Rotating Assembly

ITEM NO.		PART NAME	PART NUMBER	MAT'L CODE	QTY
1	*	IMPELLER	38615-092	11010	1
2	*	SEAL ASSY	46512-149	---	1
3	*	INBOARD BALL BEARING	23422-019	---	1
4		BEARING HOUSING	38251-513	10000	1
5		VENTED PLUG	4823A	15079	1
6		AIR VENT	S1530	---	1
7		RED PIPE BUSHING	AP0802	15079	1
8	*	OUTBOARD BALL BRG	23422-414	---	1
9		DRIVE FLANGE	38545-004	10000	1
10	*	IMP SHAFT KEY	24113-603	---	REF
11		IMPELLER SHAFT	38515-592	1706H	1
12	*	OIL SEAL	S1907	---	1
13		SNAP RING	S720	---	1
14		THRUST WASHER	31134-115	15000	1
15		HEX HD CAPSCREW	B0608	15991	6
16		LOCKWASHER	J06	15991	6
17	*	BRG HOUSING GSKT	38683-474	18000	1
18	*	OIL SEAL	25227-771	---	1
19		HEX HD CAPSCREW	B0805-1/2	15991	4
20		LOCKWASHER	J08	15991	4
21		SEAL PLATE	38272-256	10000	1
22		SOCKET HD CAPSCREW	DM1004S	17090	1
23		IMPELLER WASHER	31514-015	17000	1
24		PIPE PLUG	P08	15079	1
25		BRG CAVITY SIGHT GAUGE	S1471	---	1
26		PIPE PLUG	P08	15079	1
27		BRG CAVITY DRAIN PLUG	P08	15079	1
28		BRG CAVITY SIGHT GAUGE	S1471	---	1
29		INTERMEDIATE GUARD	42381-509	24152	2
30	*	SHAFT SLEEVE O-RING	25154-131	---	REF
31	*	IMPELLER ADJ SHIM SET	48261-057	---	REF
32	*	SHAFT SLEEVE	31163-019	1706H	1
33		SHIP PLUG	11495B	15079	1
34		SHIP PLUG	11495B	15079	1
35		BEARING ADJ SHIM SET	13131-3	17040	12
36	*	BRG HOUSING O-RING	S1676	---	1
37	*	SEAL PLATE O-RING	25152-381	---	1
NOT SHOWN:					
		INSTRUCTION TAG	6588U	---	1

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PARTS LIST
48275-005 Priming Chamber Kit

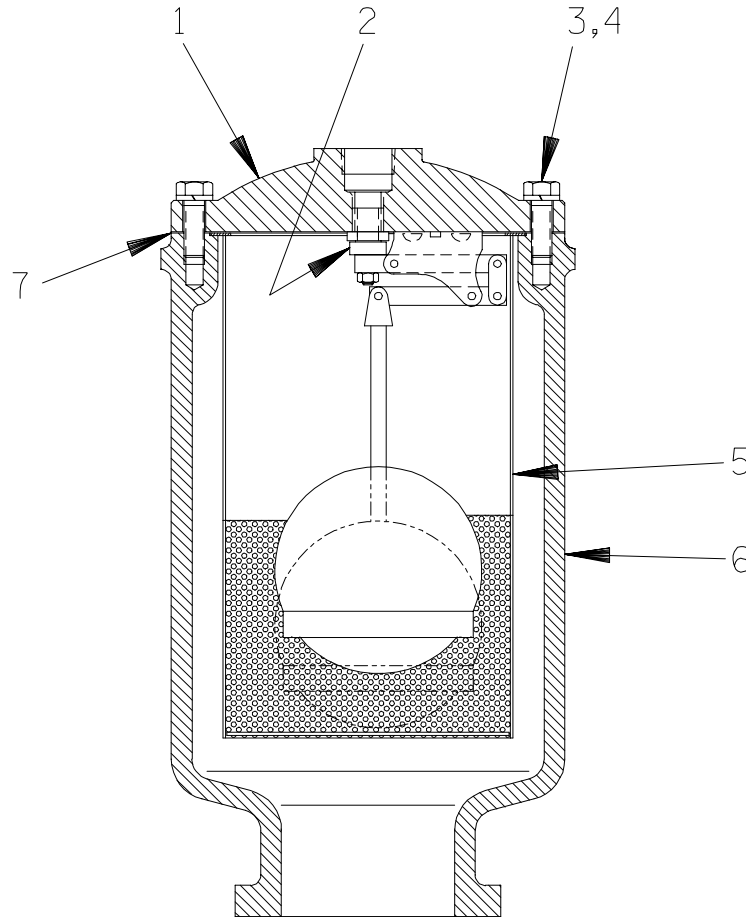
ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PRIMING HOPPER ASSY	46112-709	---	1
2	PIPE BUSHING	AP1608	11999	1
3	STREET ELBOW	RS08	11999	1
4	BALL VALVE	26631-052	---	1
5	STUD	C0809	15991	4
6	HEX NUT	D08	15991	4
7	LOCK WASHER	J08	15991	4
8	* GASKET	38687-053	19060	1
9	BAFFLE	31113-011	17000	1

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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

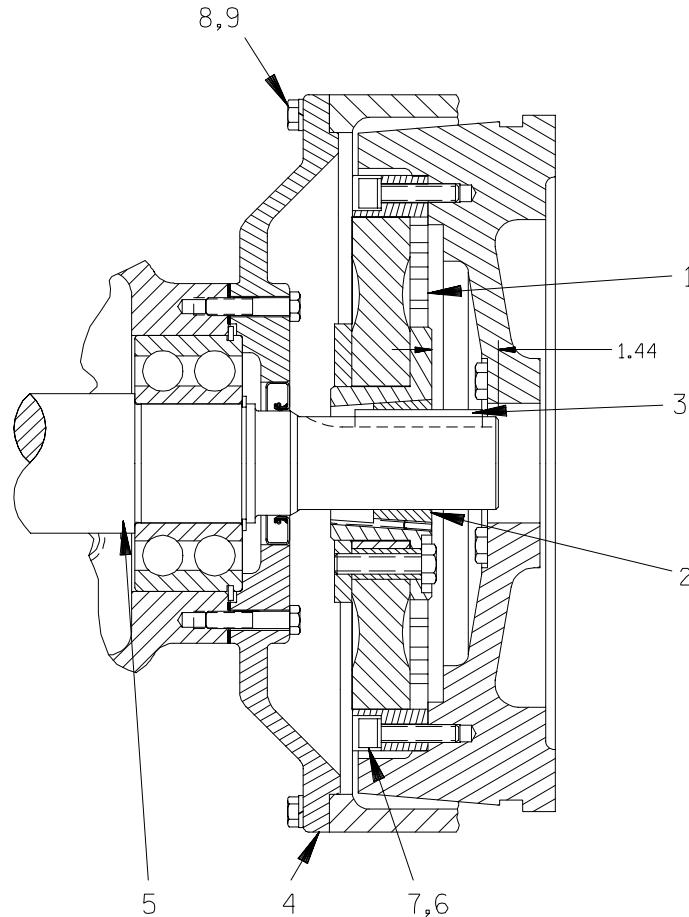
* INDICATES PARTS RECOMMENDED FOR STOCK

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PARTS LIST
44162-159 Drive Assembly

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	COUPLING ASSY	44165-016	---	1
2	BUSHING	24131-498	---	1
3	* -KEY	24113-603	---	1
4	DRIVE FLANGE	38545-004	10000	1
5	IMPELLER SHAFT	38515-586	1706H	1
6	LOCKWASHER	21171-536	---	8
7	SOCKET HD CAPSCREW	BD0606 1/2	15991	8
8	HEX HD CAPSCREW	B0605	15991	12
9	LOCKWASHER	J06	15991	12

* INDICATES PARTS RECOMMENDED FOR STOCK

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