



***PRIME-AIRE*<sup>TM</sup> SERIES  
PUMP MODEL  
PA6C60-4045D**

**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: \_\_\_\_\_

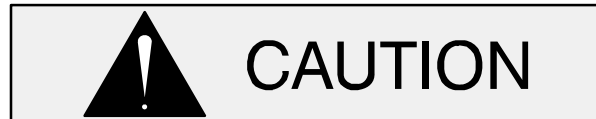
### WARRANTY INFORMATION

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.

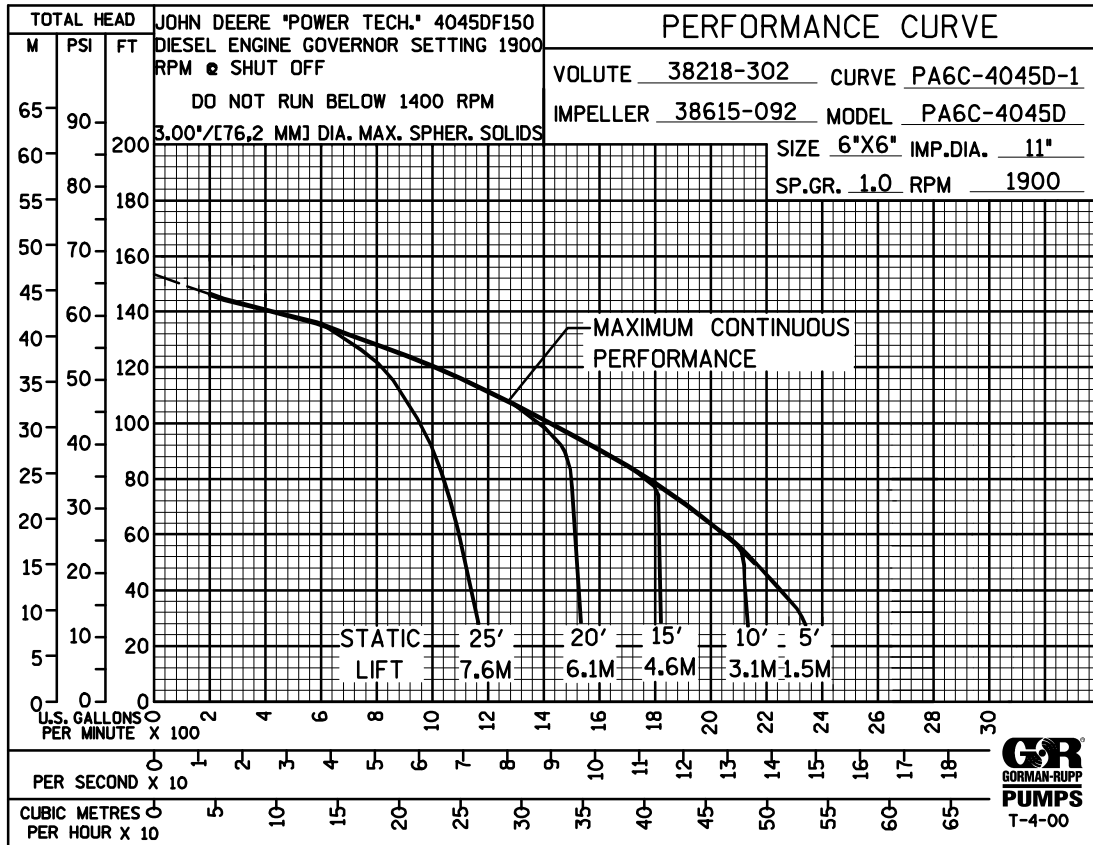
### PERFORMANCE CURVE

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

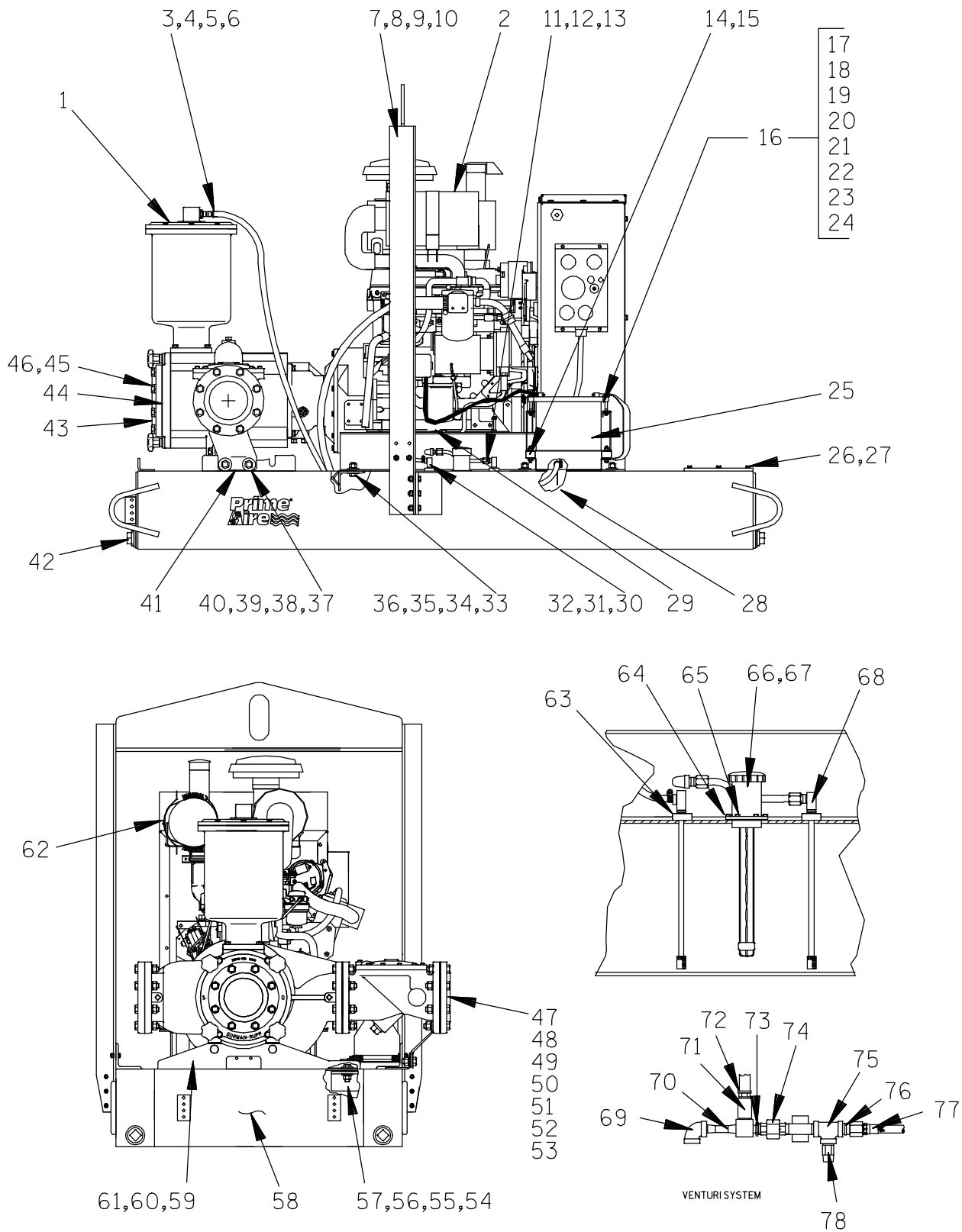


Pump speed and operating condition points must be within the continuous performance range shown on the curve.



Performance Curve – Model PA6C60-4045D

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

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.

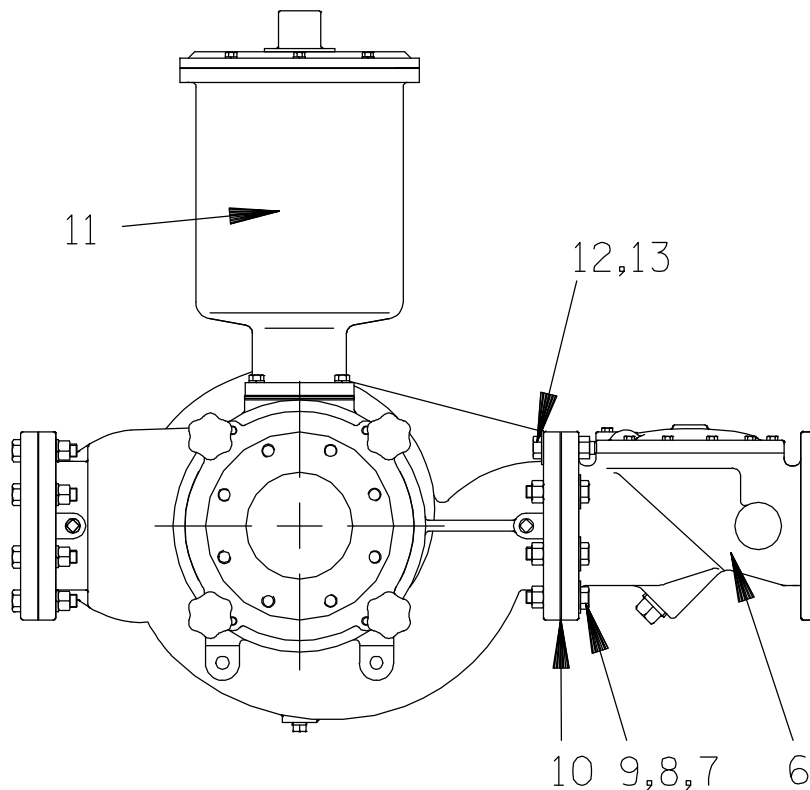
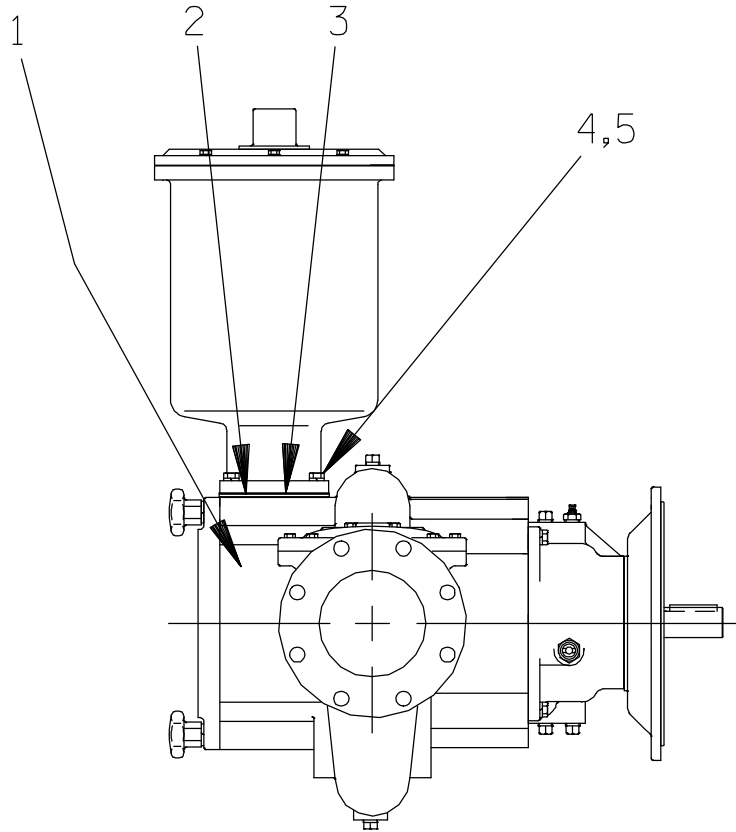
ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP ASSEMBLY	PA6C60-(SAE 4/10)		1	51	HEX HD CAPSCREW	B1214	15991	2
2	JOHN DEERE 4045DF150	29224-115	----	1	52	LOCKWASHER	J12	15991	6
3	REDUCER BUSHING	AP1608	11999	1	53	HEX NUT	D12	15991	8
4	CONNECTOR	S1598	----	1	54	HEX HD CAPSCREW	B1009	15991	2
5	HOSE BARB FTG	26523-047	----	1	55	FLAT WASHER	KB10	17000	4
6	4' HOSE	18513-113	----	1	56	LOCKWASHER	J10	15991	2
7	LIFTING BAIL	44713-029	24150	1	57	HEX NUT	D10	15991	2
8	HEX HD CAPSCREW	B0805	15991	10	58	BASE/FUEL TANK	41553-001	24150	1
9	LOCKWASHER	J08	15991	10	59	PUMP BRACKET	34268-007	15080	1
10	HEX NUT	D08	15991	10	60	HEX HD CAPSCREW	B1206	15991	2
11	MALE ELBOW	26351-131	----	1	61	LOCKWASHER	J12	15991	2
12	CONNECTOR	S1447	----	2	62	MUFFLER GUARD ASSY	42331-040	----	1
13	HOSE ASSEMBLY	46341-789	----	1	63	FUEL PICKUP	29332-145	----	1
14	STUD MOUNT	24631-006	----	4	64	GASKET	38683-270	19060	1
15	HEX NUT	21765-314	----	8	65	HEX HD MACH SCREW	B#10-02S	15991	6
16	BATTERY BOX ASSY	GRP40-02E	----	1	66	FUEL GAGE	29332-135	----	1
17	-HEX HD CAPSCREW	B0612	15991	2	67	FILL NECK ASSY	46312-017	24152	1
18	-FLANGE HEX NUT	21765-314	----	2	68	FUEL PICKUP	29332-145	----	1
19	-FLAT WASHER	KE06	15991	2	69	PIPE ELBOW	AG08	11999	1
20	-BATTERY TAG	38818-515	----	1	70	VENTURI	26817-002	----	1
21	-GRD CABLE ASSY	47311-064	----	1	71	PIPE COUPLING 1/2	AE08	15079	1
22	-BATTERY FRAME	8355B	24000	1	72	MALE CONNECTOR	26525-020	----	1
23	-BATTERY BOX	34751-006	15120	1	73	RED PIPE BUSH	AP0806	15079	1
24	-T TYPE LOCKWASHER	BL06	15991	1	74	PIPE UNION	AH08	11999	1
25	BATTERY	SEE OPTIONAL		REF	75	TEE 1/2	U08	11999	1
26	HEX HD CAPSCREW	B0602	15991	3	76	MALE ADAPTOR	26351-065	----	2
27	LOCKWASHER	J06	15991	3	77	HOSE ASSY	46341-426	----	1
28	OIL DRAIN ASSY	46342-013	----	1	78	RELIEF VALVE	26662-028	----	1
29	CABLE ASSEMBLY	47311-109	----	1		NOT SHOWN:			
30	HOSE BARB FITTING	26523-386	----	2		INSTRUCTION DECAL	38818-128	----	1
31	HOSE	11308G	----	1		LUBE DECAL	38816-079	----	1
32	HOSE CLAMP	26518-641	----	2		SUCTION STICKER	6588AG	----	1
33	HEX HD CAPSCREW	B1007	15991	6		DISCHARGE STICKER	6588BJ	----	1
34	HEX NUT	D10	15991	6		RPM DECAL	2613FJ	----	1
35	LOCKWASHER	J10	15991	6		LIFT DECAL	38816-218	----	2
36	FLAT WASHER	K10	15991	12		PA DECAL	38812-078	----	2
37	HEX HD CAPSCREW	B1205	15991	2		WARNING DECAL	2613FE	----	2
38	LOCKWASHER	J12	15991	2		G-R DECAL	GR06	----	4
39	FLAT WASHER	KB12	17000	6		INSTR TAG PAPER	38817-009	----	1
40	HEX NUT	D12	15991	2		ENG START-UP TAG	38816-269	----	1
41	CHECK VALVE BRKT	34742-014	15080	1		NAME PLATE	38818-127	13000	1
42	PIPE PLUG	P32	10009	4		DRIVE SCREW	BM#04-03	17000	4
43	FLANGE	1758	10010	1		6" STRAINER	7823A	24000	1
44	FLANGE GASKET	25113-036	----	1		WARNING DECAL	38816-175	----	2
45	HEX HD CAPSCREW	B1208	15991	8		OPTIONAL:			
46	LOCKWASHER	J12	15991	8		WHEEL KIT	GRP30-251	----	1
47	FLANGE	1758	10010	1		BATTERY	29331-515	----	1
48	FLANGE GASKET	25113-036	----	1					
49	HEX HD CAPSCREW	B1212	15991	2					
50	HEX HD CAPSCREW	B1213	15991	4					

\* INDICATES PARTS RECOMMENDED FOR STOCK

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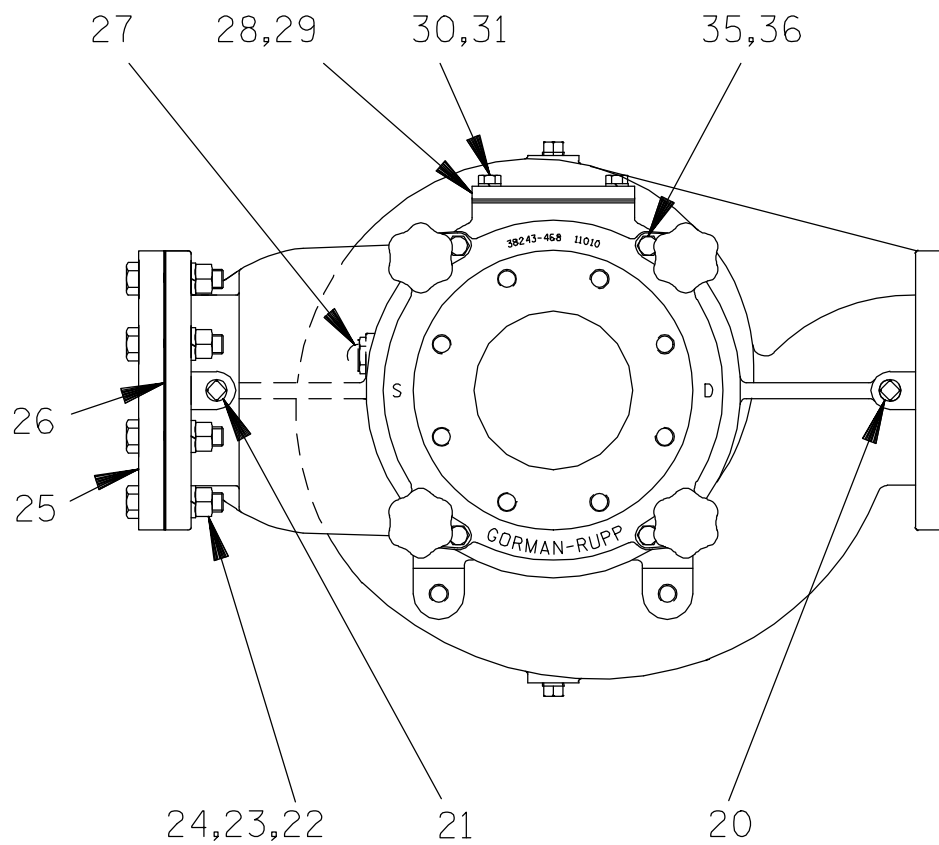
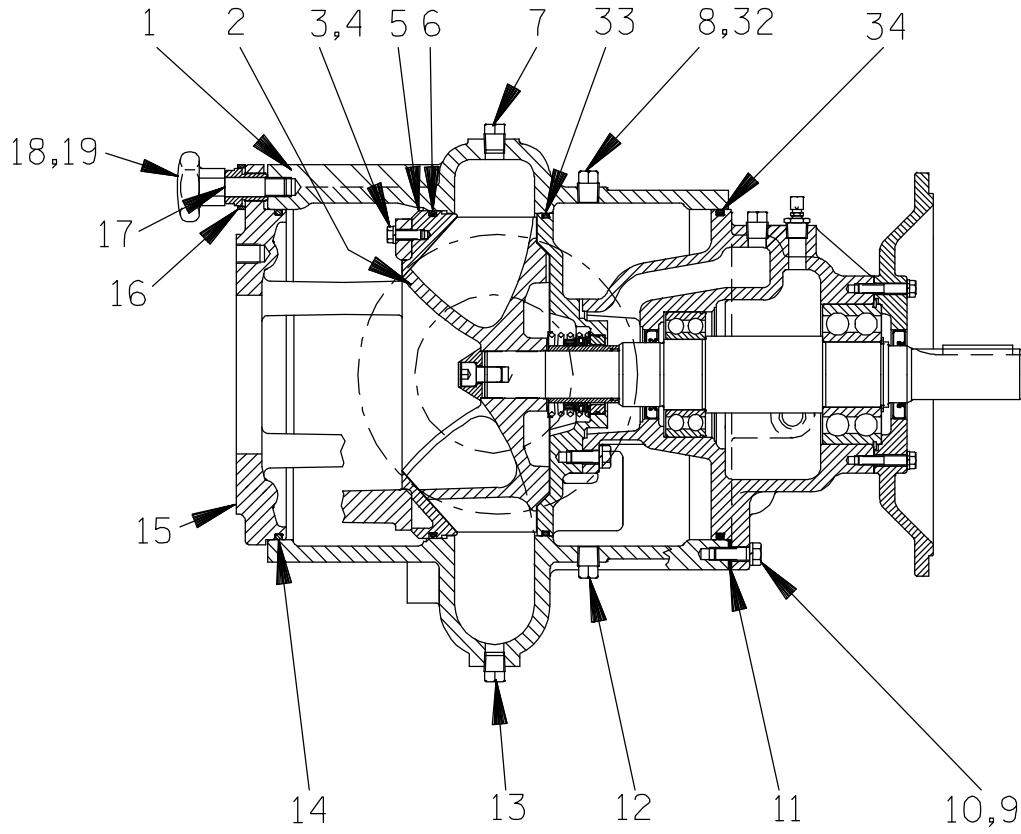
**PARTS LIST**  
**PA6C60-(SAE 4/10) Pump Assembly**

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP END ASSY	66F60-(SAE4/10)	---	1
2	BAFFLE	31113-011	17000	1
3	* PRIMING CHAMBER GSKT	38687-053	19060	1
4	HEX HD CAPSCREW	B0806	15991	4
5	LOCKWASHER	J08	15991	4
6	CHECK VALVE ASSY	26642-126	---	1
	-FLAPPER	26688-001	---	1
	-COVER GASKET	26688-002	---	1
7	HEX HD CAPSCREW	B1213	15991	6
8	LOCKWASHER	J12	15991	6
9	HEX NUT	D12	15991	6
10	* CASING GASKET	25113-036	---	1
11	PRIMING CHAMBER ASSY	46112-704	---	1
12	HEX HD CAPSCREW	B1212	15991	2
13	HEX NUT	D12	15991	2

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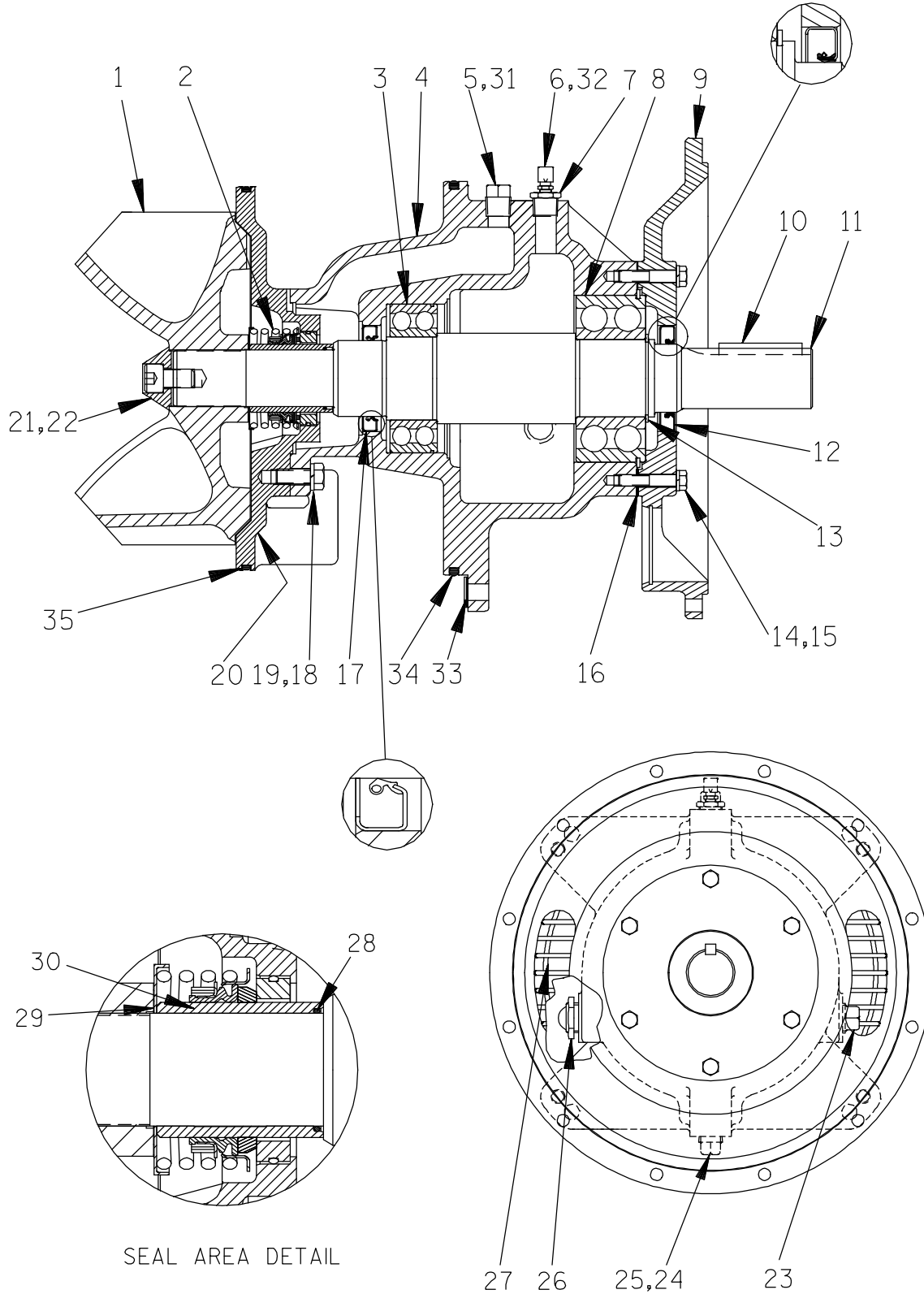
**PARTS LIST**  
**66F60--(SAE4/10) Pump End Assembly**

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP CASING	38218-303	11010	1	25	BLIND FLANGE ASSY	42111-349	----	1
2	REPAIR ROTATING ASSY	44163-253	----	1	26 *	FLANGE GASKET	25113-036	----	1
3	HEX HD CAPSCREW	B0604 1/2	17000	4	27	SIGHT GAUGE	S1471	----	1
4	LOCKWASHER	J06	17090	4	28	COVER PLATE	33541-045	15080	1
5 *	WEAR RING	38691-864	11010	1	29 *	CVR PLATE GASKET	38687-053	19060	1
6 *	WEAR RING O-RING	25152-453	----	1	30	HEX HD CAPSCREW	B0805	15991	4
7	PIPE PLUG	P08	15079	1	31	LOCKWASHER	J08	15991	4
8	VENTED PLUG	4823A	15079	1	32	SHIPPING PLUG	11495B	15079	1
9	HEX HD CAPSCREW	B0806	15991	4	33	SEAL PLATE O-RING	25152-381	----	1
10	LOCKWASHER	J08	15991	4	34	BEARING HSG O-RING	S1676	----	1
11 *	ADJ SHIM SET	13131	17040	4	35	HEX HD CAPSCREW	B0804 1/2	15991	4
12	CASING DRAIN PLUG	P08	15079	1	36	LOCKWASHER	J08	15991	4
13	CASING DRAIN PLUG	P08	15079	1		NOT SHOWN:			
14 *	BACK CVR PLATE O-RING	S1676	----	1		DRIVE ASSY	44162-159	----	1
15	BACK COVER PLATE	38243-468	11010	1		PIPE PLUG	P12	15079	1
16 *	ADJ SCREW	31871-070	1500X	4		OIL LEVEL DECAL	38816-123	----	1
17	LOCKING COLLAR	38115-551	15001	4		ALTERNATE PARTS:			
18	STUD	C1213	15991	4		PA SERIES NAME PLATE	38818-127	13000	1
19	HAND KNOB	38115-901	10000	4		DRIVE SCREW	BM#04-03	17000	4
20	PIPE PLUG	P08	15079	1		60 SERIES NAME PLATE	2613R	13990	1
21	PIPE PLUG	P08	15079	1		DRIVE SCREW	BM#04-03	17000	2
22	HEX HD CAPSCREW	B1213	15991	8					
23	LOCKWASHER	J12	15991	8					
24	HEX NUT	D12	15991	8					

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SEAL AREA DETAIL

DRIVE END VIEW

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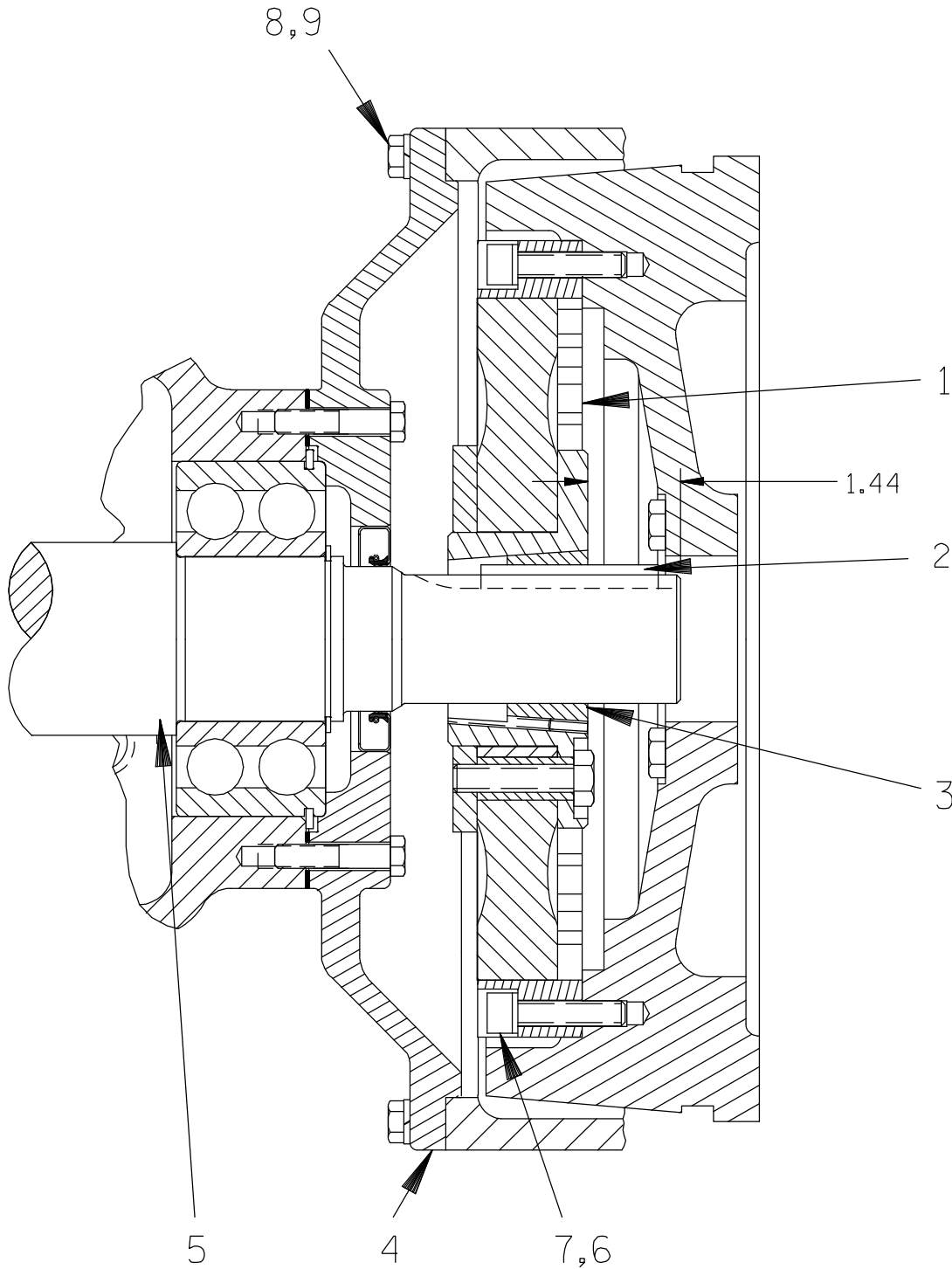
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**PARTS LIST**  
**44163-253 Repair Rotating Assembly**

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1 *	IMPELLER	38615-092	11000	1	18	HEX HD CAPSCREW	B0805	15991	4
2 *	SEAL ASSY	46512-149	---	1	19	LOCKWASHER	J08	15991	4
3 *	INBOARD BALL BEARING	23422-019	---	1	20	SEAL PLATE	38272-256	10000	1
4	BEARING HOUSING	38251-513	10000	1	21	SOCKET HD CAPSCREW	DM1004S	17090	1
5	VENTED PLUG	4823A	15079	1	22	IMPELLER WASHER	31514-015	17000	1
6	AIR VENT	S1530	---	1	23	PIPE PLUG	P12	15079	1
7	RED PIPE BUSHING	AP0802	15079	1	24	PIPE PLUG	P08	15079	1
8 *	OUTBOARD BALL BRG	23422-414	---	1	25	BRG CVTY DRAIN PLUG	P08	15079	1
9	DRIVE FLANGE	38545-004	10000	1	26	SIGHT GAUGE	S1471	---	1
10 *	IMP SHAFT KEY	SUPPLIED W/DRIVE ASSY			27	INTERMEDIATE GUARD	42381-509	24152	2
11 *	IMPELLER SHAFT	38515-586	1706H	1	28 *	SHAFT SLEEVE O-RING	25154-131	---	1
12 *	OIL SEAL	S1907	---	1	29 *	IMPELLER ADJ SHIM SET	48261-057	---	1
13	SNAP RING	S720	---	1	30 *	SHAFT SLEEVE	31163-019	1706H	1
14	HEX HD CAPSCREW	B0608	15991	6	31	SHIP PLUG	11495B	15079	1
15	LOCKWASHER	J06	15991	6	32	SHIP PLUG	11495B	15079	1
16 *	BRG HOUSING GSKT	38683-474	18000	1	33	ADJ SHIM SET	13131	17000	4
17 *	OIL SEAL	25227-771	---	1	34 *	BRG HOUSING O-RING	S1676	---	1
					35 *	SEAL PLATE O-RING	25152-381	---	1

\* INDICATES PARTS RECOMMENDED FOR STOCK



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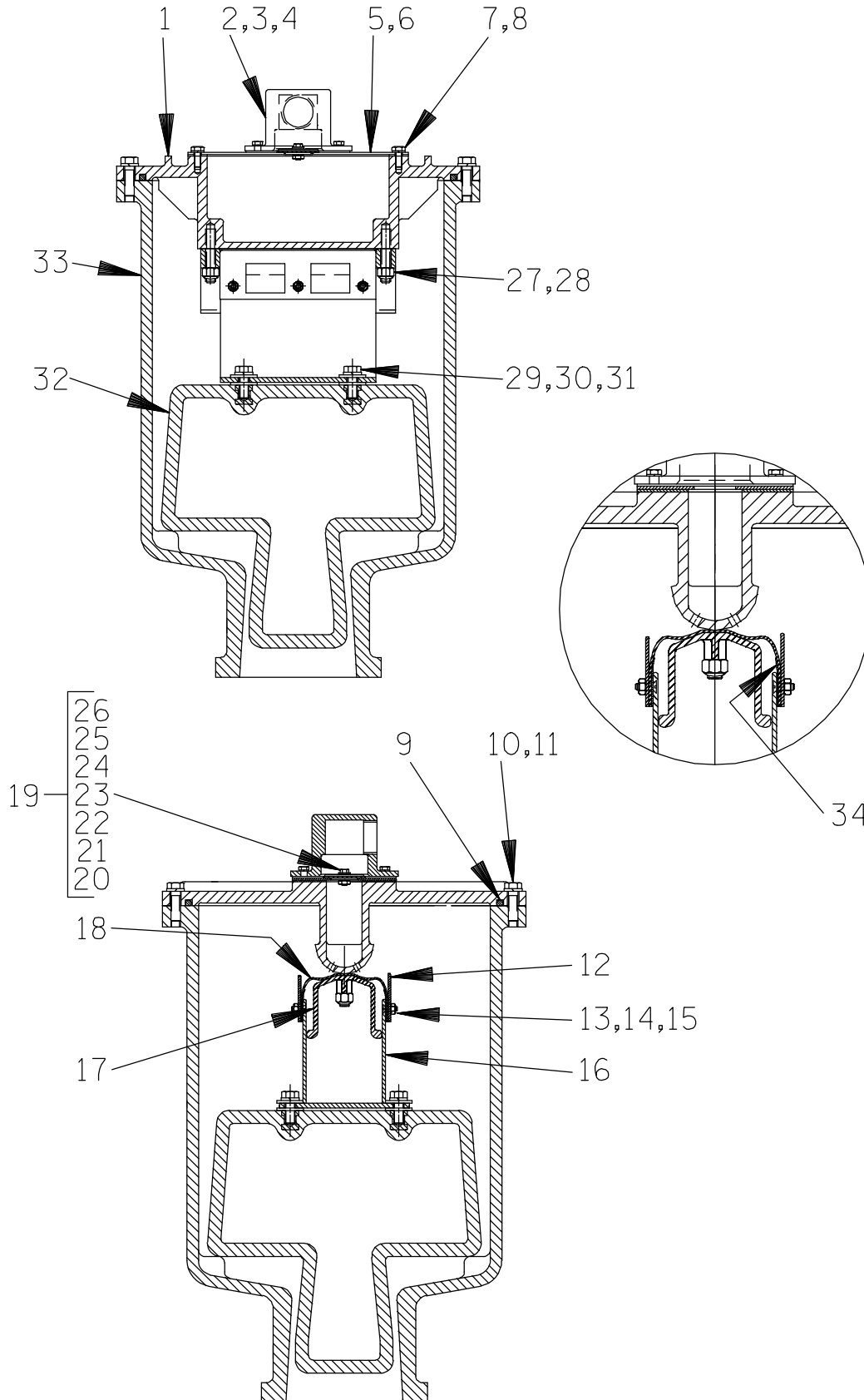
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**PARTS LIST**  
**(SAE4/10) Drive Assembly**

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	COUPLING ASSY	44165-016	---	1
2	KEY	SUPPLIED W/BUSHING		1
3	BUSHING	24131-498	---	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

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**PARTS LIST**  
**46112-704 Priming Chamber Assembly**

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PRIMING CHAMBER LID	38346-615	1300U	1	18	VALVE STRAP	33276-041	19410	1
2	PEELER VALVE NECK	38349-413	10000	1	19	CHECK VALVE ASSY	46411-112	---	1
3	HEX HD CAPSCREW	B0403 1/2	15991	4	20 *	-CHECK VALVE	38671-413	19020	1
4	LOCKWASHER	J04	15991	4	21	-LOCKWASHER	J#10	17000	1
5	VALVE PLATE GSKT	38687-555	19060	1	22	-HEX NUT	D#10	17000	1
6	VALVE PLATE	33541-040	17000	1	23	-FLATWASHER	21161-810	---	1
7	HEX HD CAPSCREW	B0402 1/2	15991	4	24	-HEX HD CAPSCREW	B#10-02	17000	1
8	LOCKWASHER	J04	15991	4	25	-FLATWASHER	21161-811	---	1
9	3.85 FT LINEAR O-RING	18512-056	---	1	26	-SEALING WASHER	25123-056	---	1
10	HEX HD CAPSCREW	B0605	15991	12	27	STUD	C0607	17000	2
11	LOCKWASHER	J06	15991	12	28	HEX LOCK NUT	DD06	17000	2
12	GUIDE PLATE	33522-009	17000	2	29	HEX HD CAPSCREW	B0604	17000	4
13	FLAT HD CAPSCREW	F#10-03	17000	6	30	LOCKWASHER	J06	17000	4
14	LOCKWASHER	J#10	17000	6	31	FLAT WASHER	KB06	17000	8
15	HEX NUT	D#10	17000	6	32 *	PRIMING VALVE FLOAT	38349-412	19220	1
16	VLV STRAP BRKT ASSY	41881-597	2415X	1	33	PRIMING CHAMBER	38343-018	10000	1
17	CLAMP PLATE	38349-411	14000	1	34	VLV STRAP PROTECTOR	33271-019	19000	2

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