



***PRIME-AIRE[®]* SERIES**
PUMP MODEL
PA12A60-B-6068T

MANUAL
PART 2 of 3

PARTS
LIST
WITH
PERFORMANCE CURVE

THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

www.grpumps.com

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Register your new
Gorman-Rupp pump online at
www.grpumps.com

Valid serial number and e-mail address required.



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

RECORD YOUR PUMP MODEL AND SERIAL NUMBER

Please record your pump model and serial number in the spaces provided below. Your Gorman-Rupp distributor needs this information when you require parts or service.

Pump Model: _____

Serial Number: _____

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.

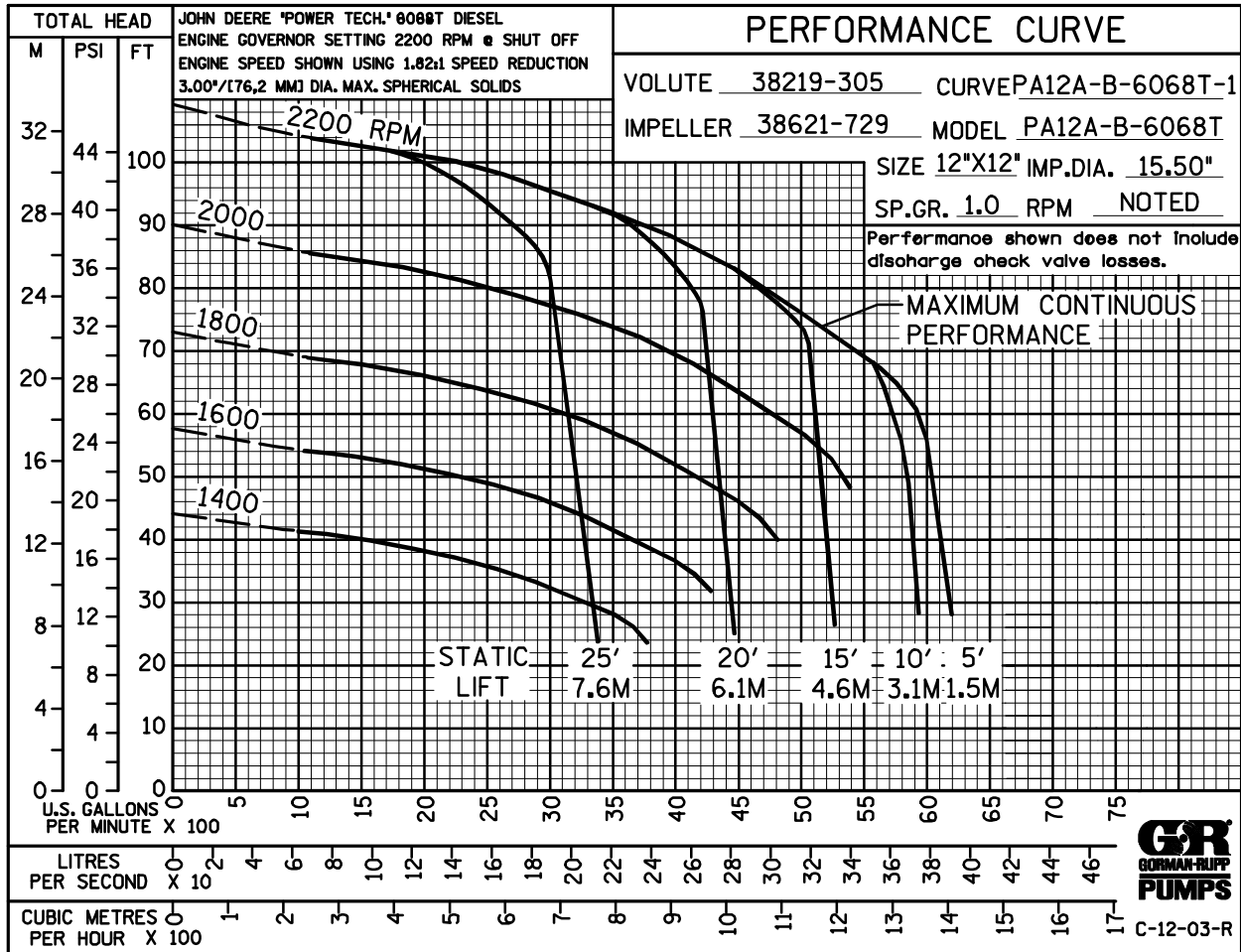
PERFORMANCE CURVE

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.

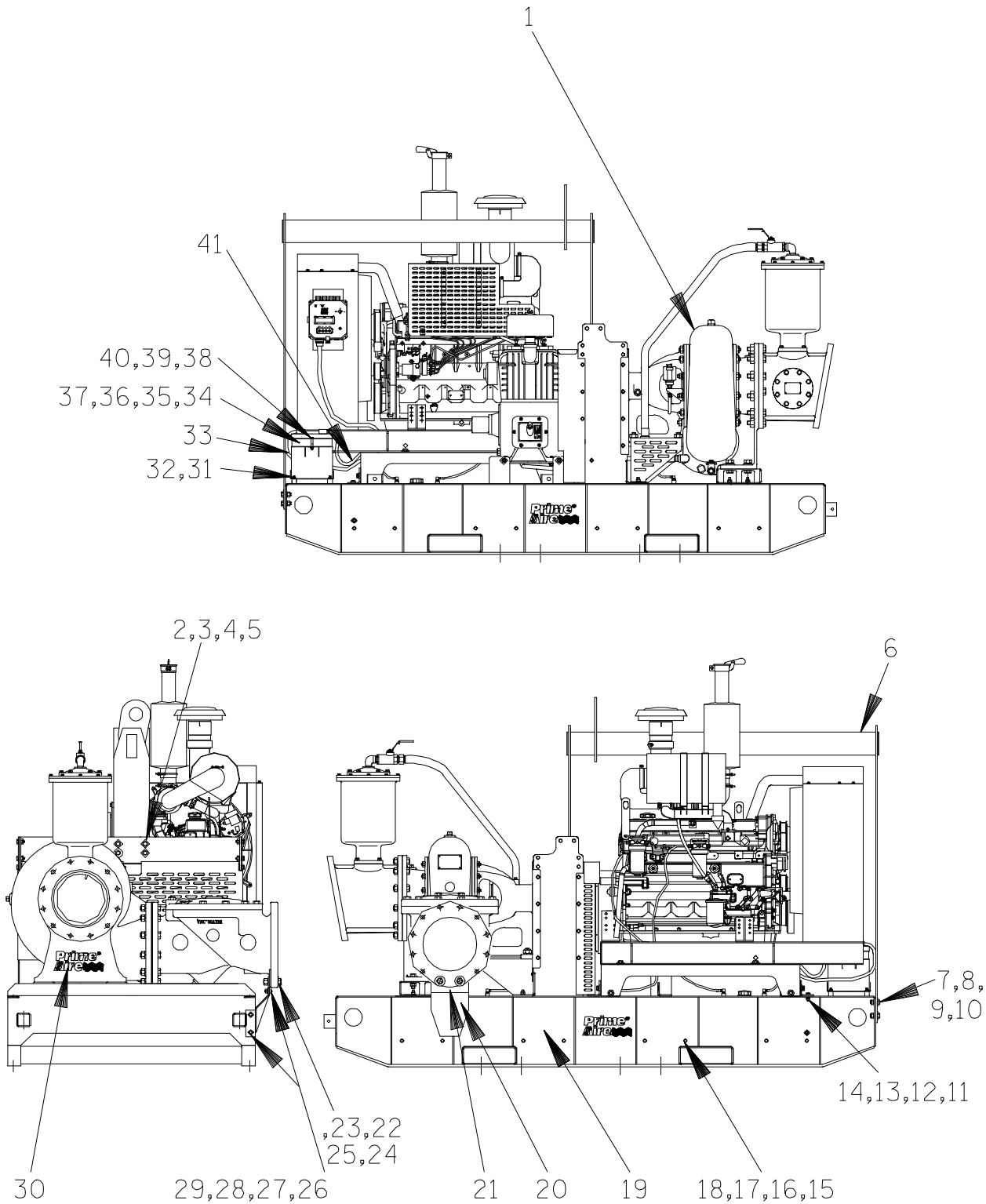


Pump speed and operating condition points must be within the continuous performance range shown on the curve.



Performance Curve – Model PA12A60-B-6068T

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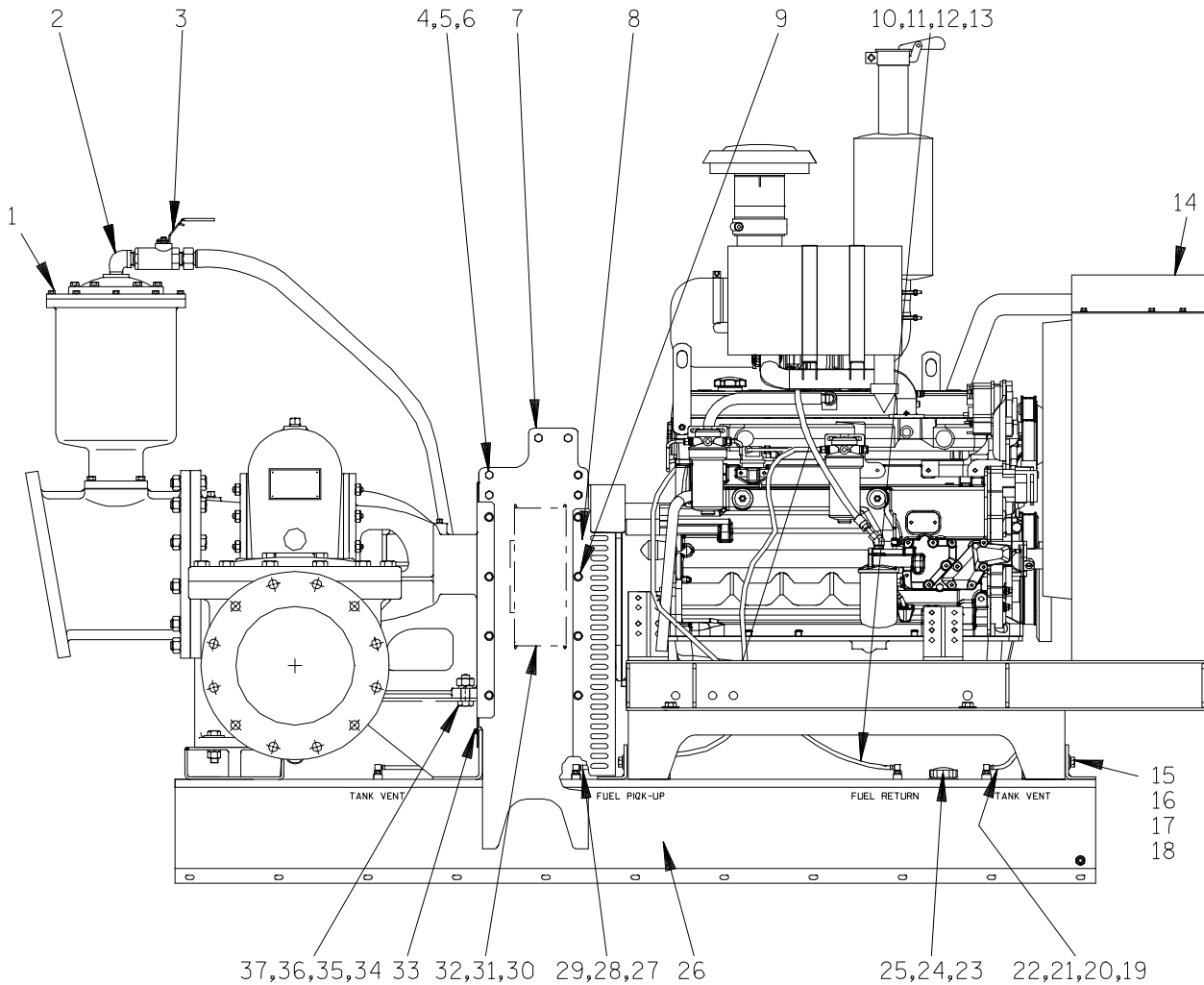
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PUMP ISSUE 2

PARTS LIST
Pump Model PA12A60—B—6068T

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 SUB-ASSEMBLY	46133-653	---	1	25	HEX NUT	D14	15991	2
2	HEX HD CAPSCREW	B1008	15991	4	26	HEX HD CAPSCREW	B0705	15991	4
3	FLAT WASHER	K10	15991	4	27	FLAT WASHER	K07	15991	6
4	LOCK WASHER	J10	15991	4	28	LOCK WASHER	J07	15991	4
5	HEX NUT	D10	15991	4	29	HEX NUT	D07	15991	4
6	LIFT BAIL ASSY	44721-027	24150	1	30	PRIME AIRE DECAL	38812-078	---	3
7	HEX HD CAPSCREW	B1007	15991	4	31	STUD MOUNT	24631-006	---	4
8	FLAT WASHER	K10	15991	4	32	FLANGED HEX NUT	21765-314	---	8
9	LOCK WASHER	J10	15991	4	33	GROUND CABLE	47311-134	---	1
10	HEX NUT	D10	15991	4	34	BATTERY BOX LID	42113-012	24150	1
11	HEX HD CAPSCREW	B0807	15991	12	35	12V BATTERY	SEE OPTIONS		1
12	FLAT WASHER	21161-501	---	12	36	BATTERY TAG	38818-506	---	1
13	LOCK WASHER	J08	15991	12	37	BATTERY BOX ASSY	42431-030	24150	1
14	HEX NUT	D08	15991	12	38	HEX HD CAPSCREW	B0607	15991	2
15	HEX HD CAPSCREW	B0808	15991	16	39	FLAT WASHER	K06	15991	2
16	FLAT WASHER	21161-501	---	32	40	FLANGED HEX NUT	21765-314	---	1
17	LOCK WASHER	J08	15991	16	41	POS BATTERY CABLE	47311-137	---	1
18	HEX NUT	D08	15991	16		NOT SHOWN:			
19	COMBINATION BASE	41565-585	24150	1		CABLE TIE	27111-218	---	1
20	CHK VLV SUPPORT BRKT	41881-604	24150	1		FLOAT SWITCH KIT	48312-980	---	1
21	CHECK VALVE SUPPORT	33643-131	15080	1		OPTIONAL:			
22	HEX HD CAPSCREW	B1412	15991	2		BATTERY	29331-506	---	1
23	FLAT WASHER	K14	15991	4					
24	LOCK WASHER	J14	15991	2					

* INDICATES PARTS RECOMMENDED FOR STOCK



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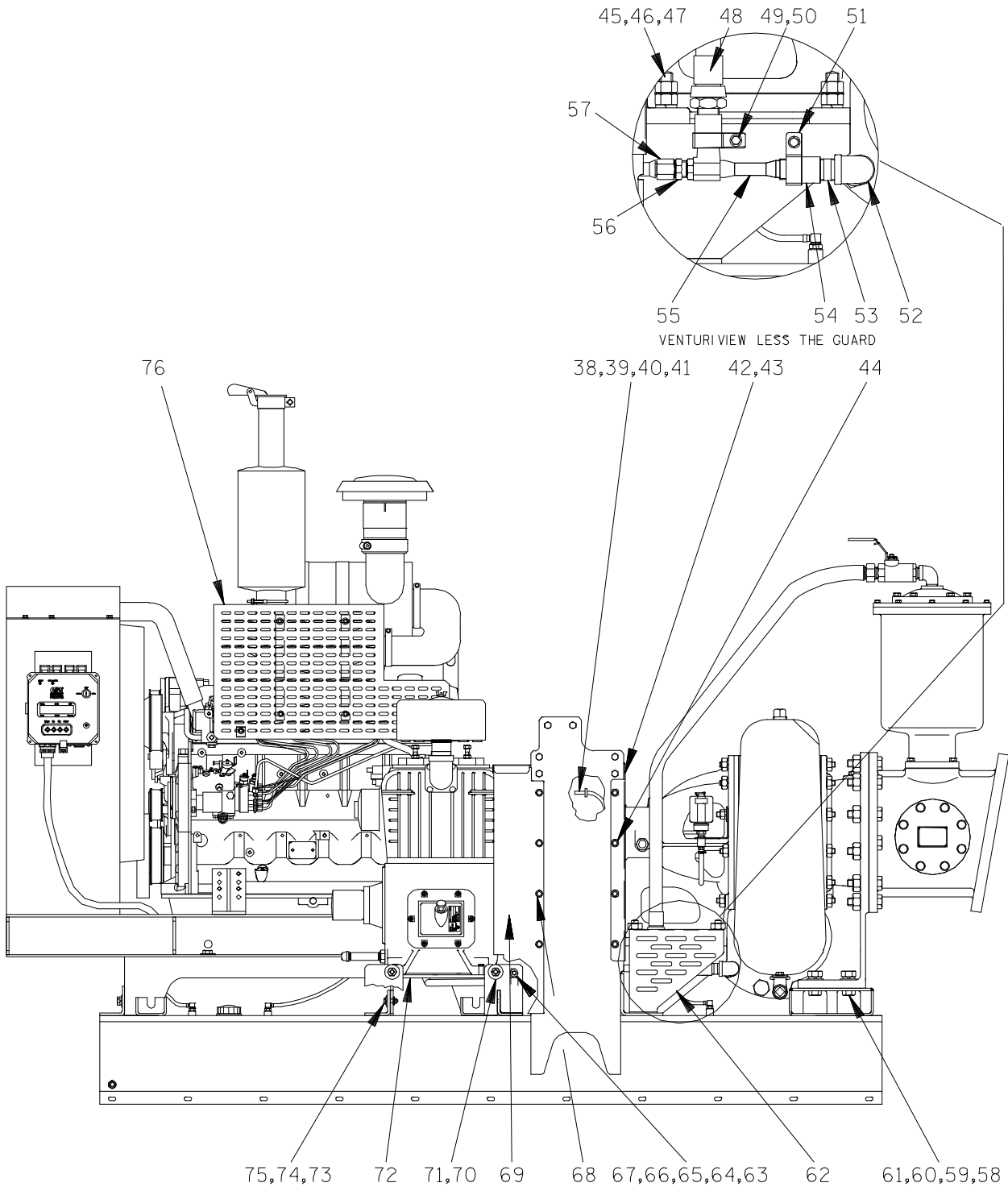
PARTS LIST
Pump Sub-Assembly

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP ASSEMBLY	PA12A60-B	----	1	20	HOSE CLAMP	26518-641	----	1
2	STREET ELBOW	RS16	11999	1	21	MALE CONNECTOR	26523-463	----	2
3	BALL VALVE	26631-054	----	1	22	REDUCING BUSHING	AP0604	15079	1
4	HEX HD CAPSCREW	B0806	15991	12	23	FLANGE W/GASKET	29332-151	----	1
5	LOCK WASHER	J08	15991	12	24	FUEL GAUGE	29332-132	----	1
6	HEX NUT	D08	15991	12	25	#10 TAPSCREW	21281-444	----	6
7	HOIST BAIL SUB ASSY	44718-032	24150	1	26	FUEL TANK ASSY	46711-068	----	1
8	ENGINE SIDE GUARD	34266-007	15120	1	27	FUEL PICKUP	29332-142	----	1
9	FLANGE HD CAPSCREW	21634-515	----	4	28	HOSE CLAMP	46341-796	----	1
10	FUEL LINE	31411-323	19360	1	29	MALE CONNECTOR	S1447	----	1
11	HOSE CLAMP	26518641	----	2	30	PUMP DRIVE BELT	24154-001	----	1
12	MALE CONNECTOR	26523-464	----	1	31	SPROCKET	24271-003	----	1
13	REDUCING BUSHING	AP0604	15079	1	32	BUSHING	24131-535	----	1
14	ENGINE MODIFICATION	44311-015	----	1	33	FLANGE HD CAPSCREW	21634-505	----	5
15	HEX HD CAPSCREW	B0807	15991	6	34	HEX HD CAPSCREW	B1211	15991	2
16	LOCK WASHER	J08	15991	6	35	HEX NUT	D12	15991	2
17	SQUARE WASHER	21168-025	----	6	36	LOCK WASHER	J12	15991	2
18	ENGINE SHIM SET	48261-045	----	6	37	FLAT WASHER	K12	15991	4
19	FUEL LINE	11308A	----	1					

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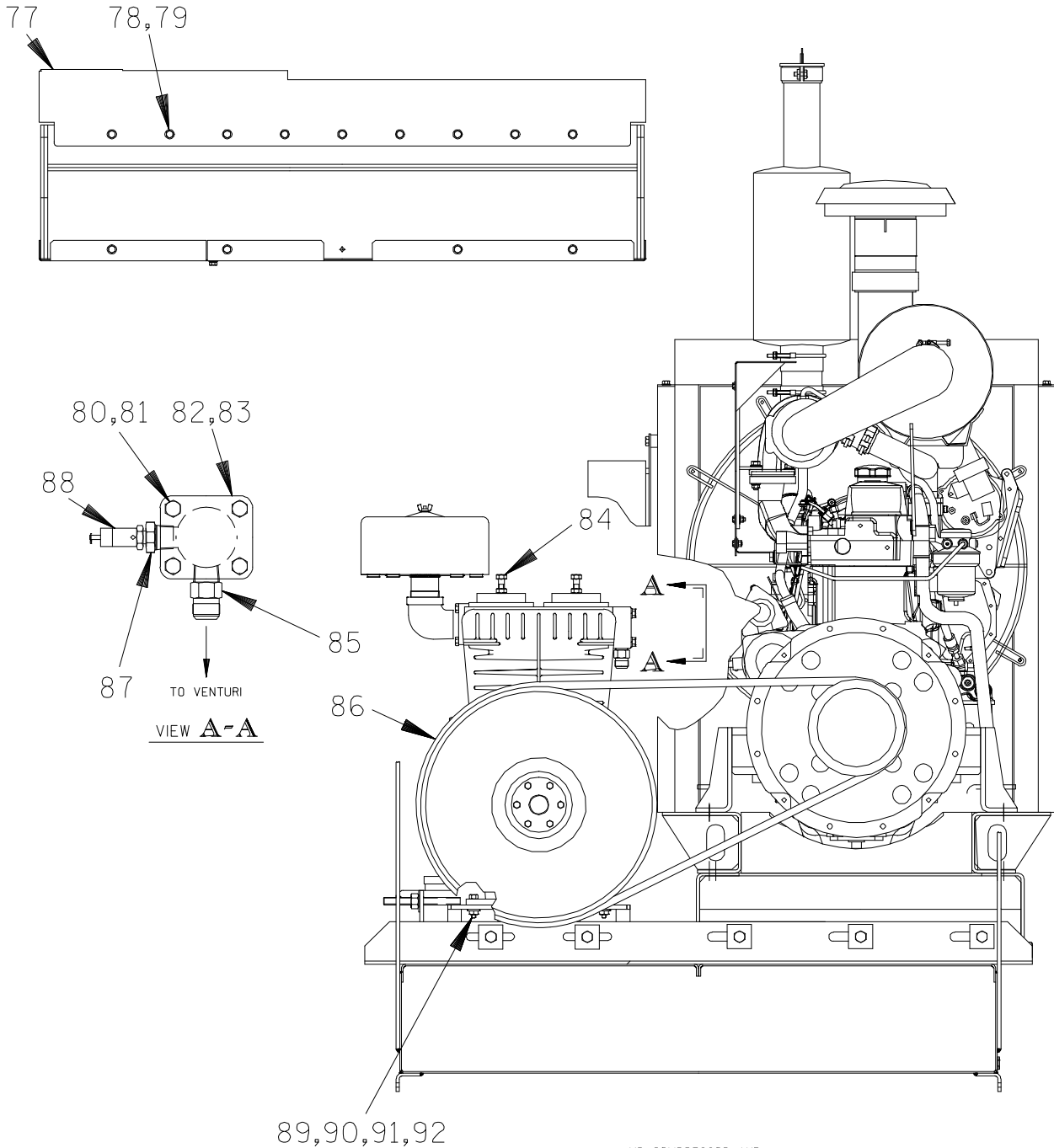
PARTS LIST
Pump Sub-Assembly

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
38	FUEL LINE	11308F	---	1	62	VENTURI	34518-020	15120	1
39	HOSE CLAMP	26518-641	---	1	63	CLAMP	22811-422	---	1
40	MALE CONNECTOR	26523-463	---	1	64	HEX HD CAPSCREW	B0503-1/215991		1
41	REDUCING BUSHING	AP0604	15079	1	65	FLAT WASHER	K05	15991	1
42	PUMP GUARD ASSY	42381-077	---	1	66	LOCK WASHER	J05	15991	1
43	PUMP END GUARD	34266-022	15120	1	67	HEX NUT	D05	15991	1
44	FLANGE HD CAPSCREW	21634-515	---	4	68	FLANGE HD CAPSCREW	21634-515	---	8
45	HEX HD CAPSCREW	B1214	15991	2	69	FLYWHEEL GUARD	34518-016	15120	1
46	HEX NUT	D12	15991	4	70	HEX NUT	D10	15991	4
47	LOCK WASHER	J12	15991	2	71	FLAT WASHER	K10	15991	4
48	VACUUM HOSE ASSY	46341-021	---	1	72	AIR COMP MTH BRKT	41881-529	24150	1
49	HEX HD CAPSCREW	B0504	15991	2	73	HEX HD CAPSCREW	B0606	15991	4
50	LOCK WASHER	J05	15991	2	74	LOCK WASHER	J06	15991	4
51	STRAP	22811-259	---	2	75	SQUARE WASHER	21168-023	---	4
52	PIPE ELBOW	R16	11999	1	76	MUFFLER/MANIFOLD GRD	42331-066	---	1
53	1" X 2" PIPE NIPPLE	T1608	15079	1	NOT SHOWN:				
54	1" PIPE COUPLING	AE16	15079	2		GUARD WARNING STKR	38816-063	---	2
55	VENTURI	26817-001	---	1		DECAL 6 IN	GR-06	---	3
56	HOSE FITTING	26341-128	---	1		ENGINE STARTUP TAG	38816-269	---	1
57	AIR COMP HOSE ASSY	46341-022	---	1		WARNING DECAL	38816-330	---	2
58	HEX HD CAPSCREW	B1211	15991	4		WARNING DECAL	38816-218	---	2
59	HEX NUT	D12	15991	4		CAUTION DECAL	2613FJ	---	1
60	LOCK WASHER	J12	15991	4		INSTRUCTION DECAL	38818-144	---	1
61	FLAT WASHER	K12	15991	4		WARNING DECAL	38816-203	---	1

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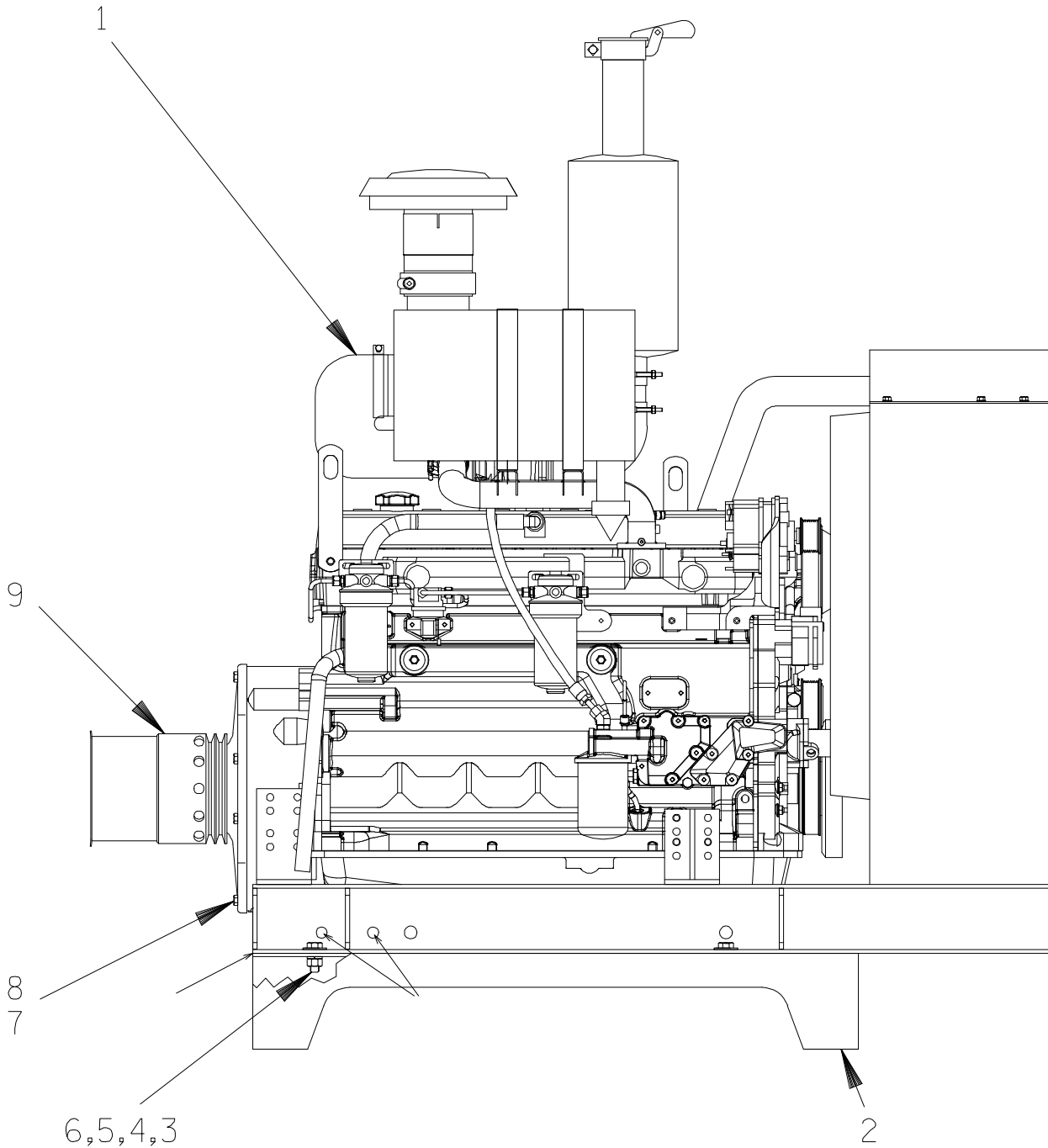
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PARTS LIST
Engine Modification Assembly

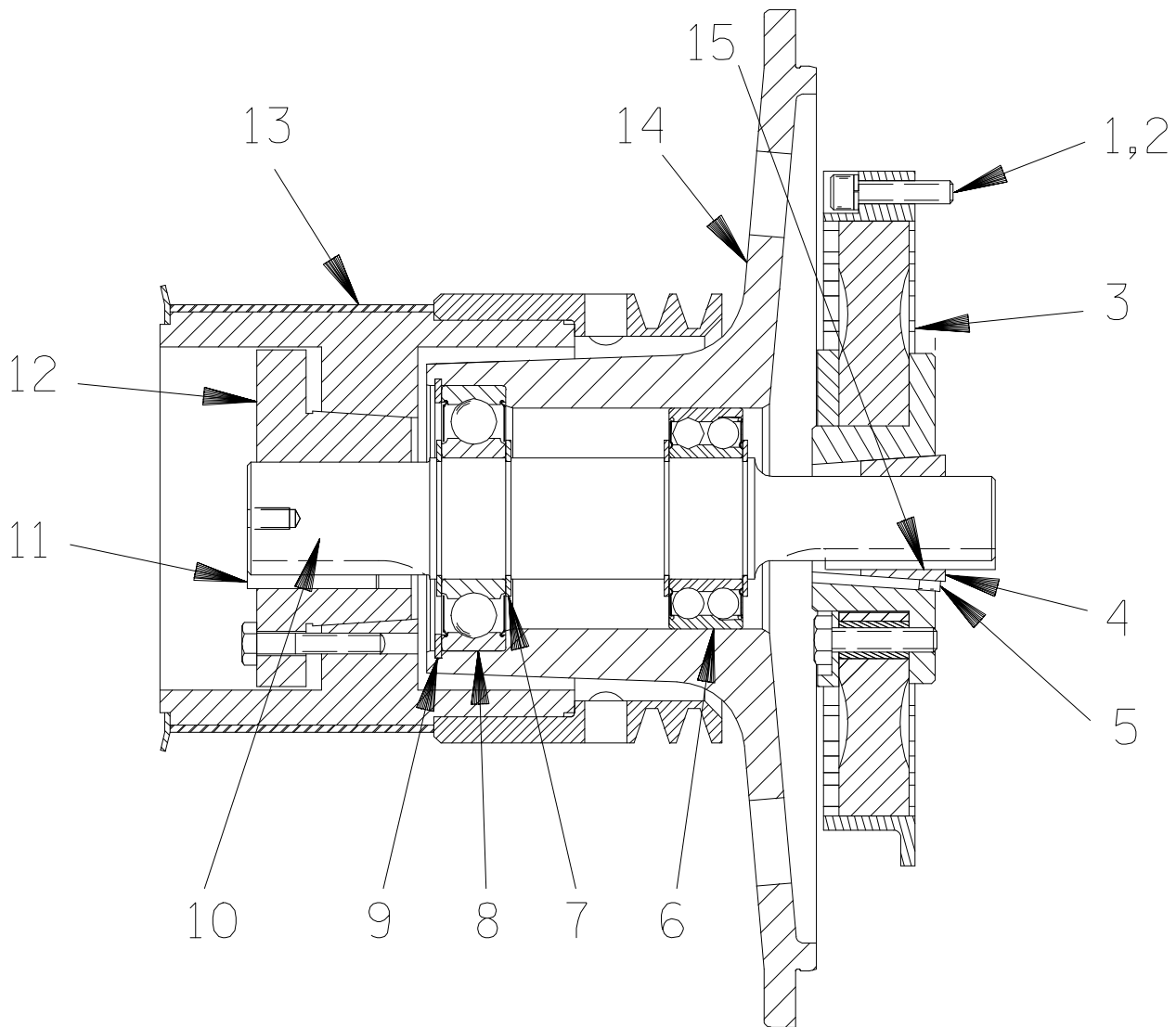
ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	JOHN DEERE 6068T ENGINE	29224—231	---	1
2	PEDESTAL ASSEMBLY	41414—017	---	1
3	HEX HD CAPSCREW	B1007	15991	4
4	FLAT WASHER	K10	15991	4
5	LOCK WASHER	J10	15991	4
6	HEX NUT	D10	15991	4
7	CAPSCREW	22645—164	---	12
8	LOCK WASHER	21171—511	---	12
9	ENGINE DRIVE ASSEMBLY	44162—152	---	1

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PARTS LIST
Engine Drive Assembly

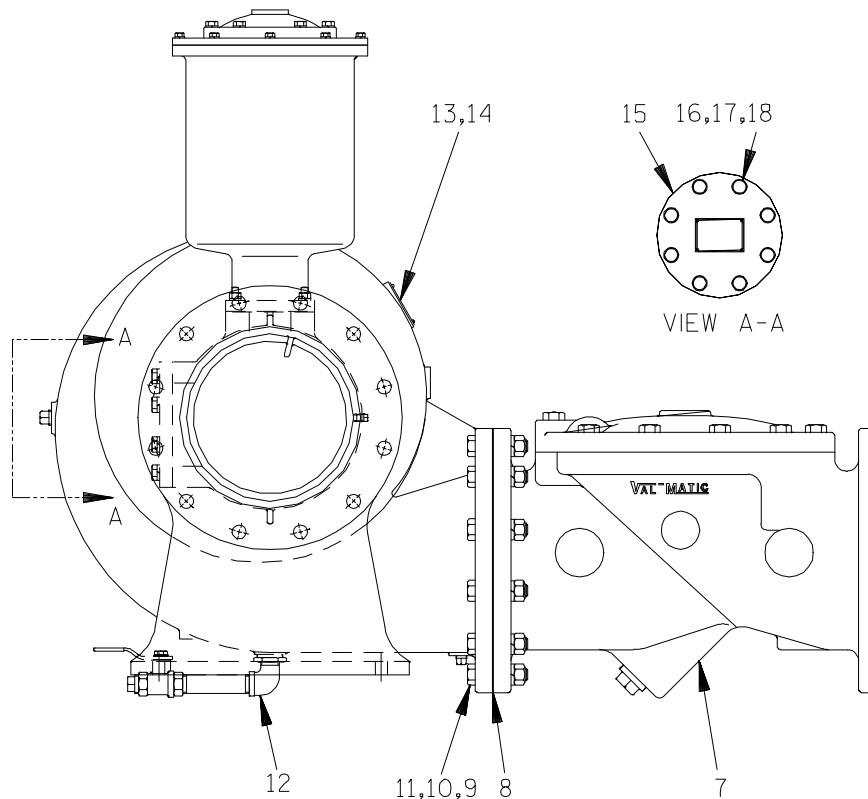
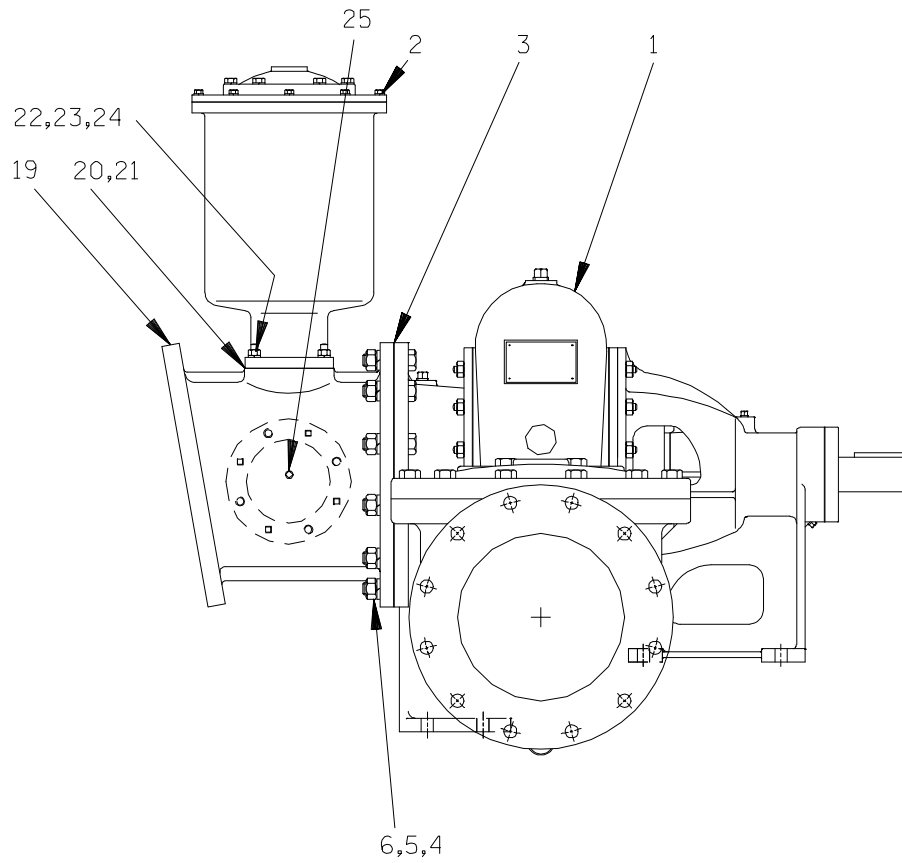
ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	SOCKET HEAD CAPSCREW	22644—220	---	8
2	LOCKWASHER	21171—536	---	8
3	COUPLING W/O BUSHING	24391—103	---	1
4	BUSHING	24131—496	---	1
5	—ALLEN HD SETSCREW	GA0703—1/2	15990	2
6	* BALL BEARING	23431—012	---	1
7	RETAINING RING	S215	---	4
8	* BALL BEARING	23282—012	---	1
9	RETAINING RING	24121—075	---	1
10	OUTPUT SHAFT	38512—051	1706H	1
11	* OUTPUT SHAFT KEY (DRIVE END)	N0807	15990	1
12	TAPERLOCK BUSHING	24131—526	---	1
13	DRIVE SPROCKET	44162—901	---	1
14	BEARING HOUSING	38251—001	11010	1
15	* OUTPUT SHAFT KEY (DRIVEN END)	N0612	15990	1

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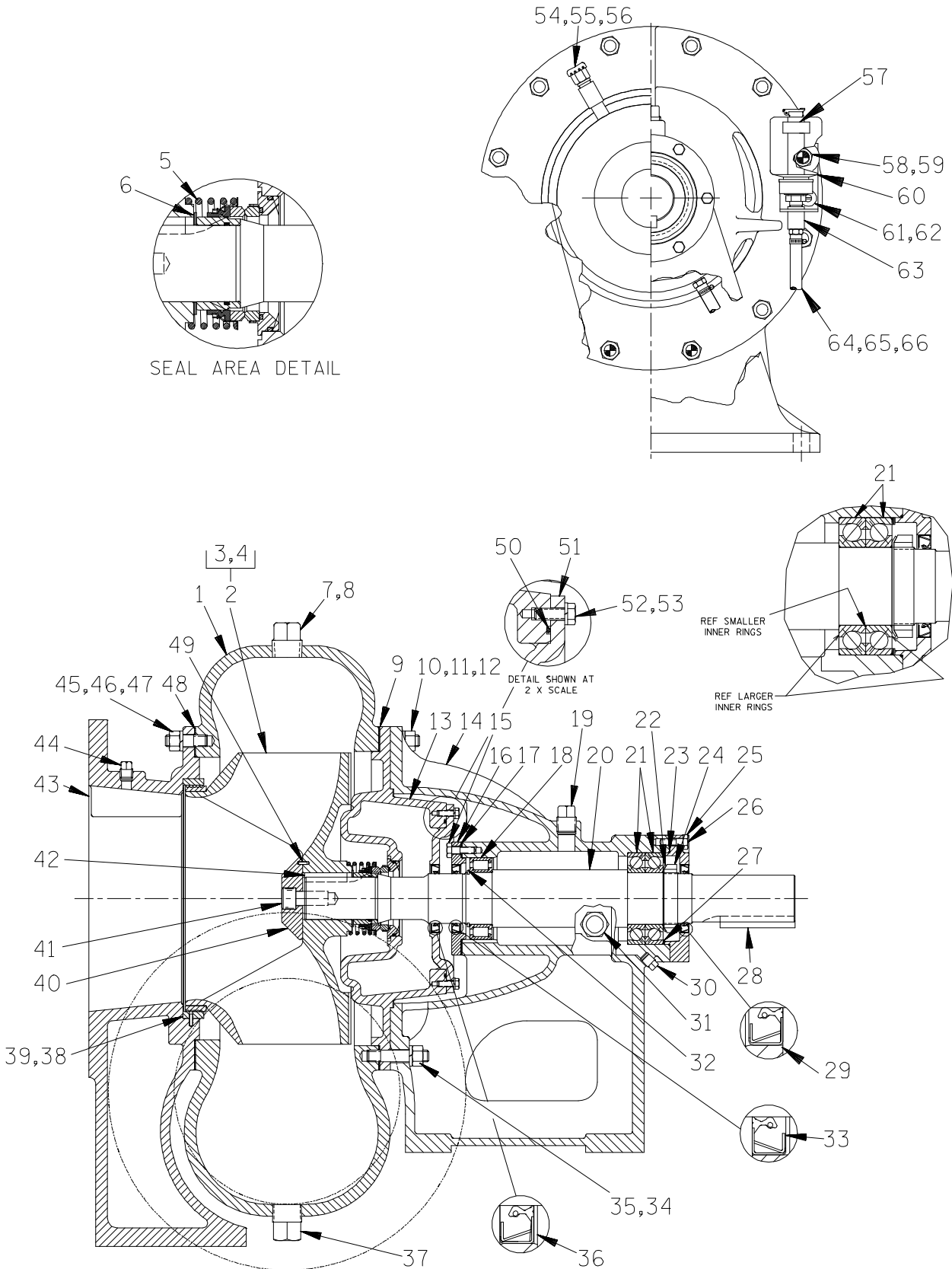
PARTS LIST
PA12A60-B Pump Model Assembly

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP ASSEMBLY	612M60-B	---	1
2	PRIMING CHAMBER ASSEMBLY	46112-707	---	1
3	* FLANGE GASKET	4991G	18000	1
4	HEX HEAD CAPSCREW	B1413	15991	12
5	LOCK WASHER	J14	15991	12
6	HEX NUT	D14	15991	12
7	CHECK VALVE ASSEMBLY	26642-128	---	1
	* -FLAPPER	26688-003	---	1
	* -COVER GASKET	26688-004	---	1
8	* FLANGE GASKET	4991G	18000	1
9	HEX HEAD CAPSCREW	B1415	15991	12
10	LOCK WASHER	J14	15991	12
11	HEX NUT	D14	15991	12
12	DRAIN VALVE ASSEMBLY	46346-262	---	1
13	NAME PLATE	38818-127	13000	1
14	DRIVE SCREW	BM#04-03	17000	4
15	BLIND FLANGE ASSEMBLY	42111-358	---	1
16	HEX HEAD CAPSCREW	B1007	15991	8
17	LOCK WASHER	J10	15991	8
18	* FLANGE GASKET	25113-034	---	1
19	12" SUCTION SPOOL	38642-617	---	1
20	* GASKET	38687-053	19060	1
21	BAFFLE	31113-011	17000	1
22	HEX HEAD CAPSCREW	B0809	15991	4
23	LOCK WASHER	J08	15991	4
24	HEX NUT	D08	15991	4
25	PIPE PLUG	P04	15079	1

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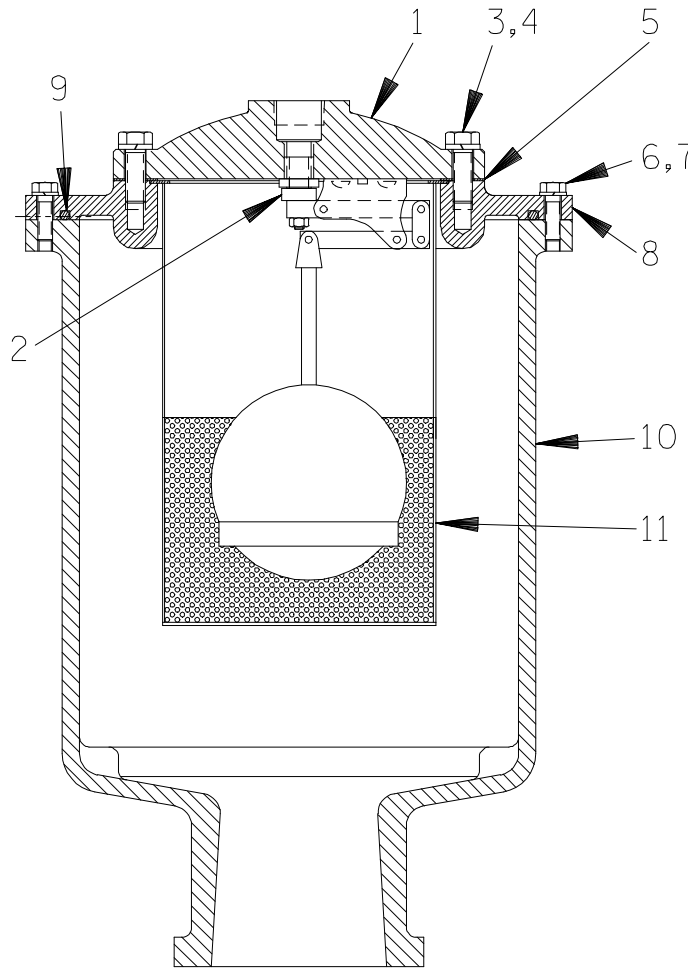
PARTS LIST
612M60-B Pump Model Assembly

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP CASING	38219-305	10010	1	40	IMPELLER WASHER	31167-022	15030	1
2	IMPELLER/WR RING ASSY	46151-022	24110	1	41	SOCKET HD CAPSCREW	BD1206	15990	1
3	-IMPELLER	38621-729	11010	1	42 *	IMPELLER KEY	N0809	15990	1
4 *	-WEAR RING	4182A	11030	1	43	SUCTION HEAD	4180	10010	1
5 *	MECHANICAL SEAL	46512-109	----	1	44	PIPE PLUG	P06	15079	1
6 *	IMP ADJ SHIM SET	48261-033	----	1	45	STUD	C1009	15991	12
7	PIPE PLUG	P12	15079	2	46	HEX NUT	D10	15991	12
8	PIPE PLUG	P06	15079	1	47	LOCK WASHER	J10	15991	12
9 *	CASING GASKET	38674-434	18000	1	48 *	SUCTION HEAD GASKET	4180G	18000	1
10	STUD	C1011	15991	9	49	ROLL PIN	S2197	----	1
11	HEX NUT	D10	15991	9	50 *	COVER O-RING	25151-266	----	1
12	LOCK WASHER	J10	15991	9	51	SEAL PLATE COVER	38242-708	10000	1
13	SEAL PLATE	38272-717	10000	1	52	HEX HD CAPSCREW	J05	15991	6
14	PEDESTAL	38257-520	10000	1	53	LOCK WASHER	B0503-1/2	15991	6
15	HEX HD CAPSCREW	B0605	15991	6	54	AIR VENT	S1703	----	1
16	BEARING CAP	38322-425	10010	1	55	PIPE NIPPLE	T0608	15079	1
17 *	BEARING CAP GASKET	4184G	18000	1	56	PIPE COUPLING	AE06	15079	1
18 *	ROLLER BEARING	23528-005	----	1	57	OIL LEVEL DECAL	38816-123	----	1
19	VENTED PIPE PLUG	38649-009	15079	1	58	FLAT WASHER	K10	15991	1
20 *	IMPELLER SHAFT	38512-522	17040	1	59	LOCK WASHER	J10	15991	1
21 *	BALL BEARING	23413-015	----	2	60	BOTTLE OILER	26713-004	----	1
22	LOCKING TAB WASHER	23962-515	----	1	61	RD HD MACHINE SCREW	X0405	15991	2
23 *	BEARING CAP O-RING	25152-249	----	1	62	LOCK WASHER	J04	15991	2
24	BEARING LOCKNUT	23962-015	----	1	63	BOTTLE OILER BRKT	41881-811	24150	1
25	BEARING CAP	38322-429	10000	1	64	MALE CONNECTOR	26523-409	----	2
26	HEX HD CAPSCREW	B0605	15991	6	65	3/8" I.D. X 11" LG HOSE	18513-054	----	1
27 *	SHIM SET	48261-055	----	1	66	HOSE CLAMP	26518-642	----	2
28 *	SHAFT KEY	N1016	15990	1	NOT SHOWN:				
29 *	BEARING CAP OIL SEAL	25258-845	----	1		STRAINER	46641-012	24150	1
30	PIPE PLUG	P04	15079	1		INSTRUCTION TAG	38817-024	----	1
31	SIGHT GAUGE	S1471	----	2		SUCTION DECAL	6588AG	----	1
32	RETAINING RING	24124-057	----	1		DISCHARGE DECAL	6588BJ	----	1
33 *	BEARING CAP OIL SEAL	25258-845	----	1		LUBRICATION DECAL	38816-079	----	2
34	STUD	C1013	15991	3		ROTATION DECAL	2613M	----	1
35	HEX NUT	D10	15991	3		INSTRUCTION TAG	38817-011	----	1
36 *	SEAL PLATE OIL SEAL	25258-845	----	1		G-R DECAL	GR-03	----	1
37	PIPE PLUG	P24	10009	1		WARNING DECAL	2613FE	----	1
38 *	SUCT HEAD WEAR RING	4181A	14000	1		NAME PLATE	2613D	13990	1
39	SPIRAL PIN	21137-123	----	3		DRIVE SCREW	BM#04-03	17000	4

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PARTS LIST
46112-707 Priming Chamber

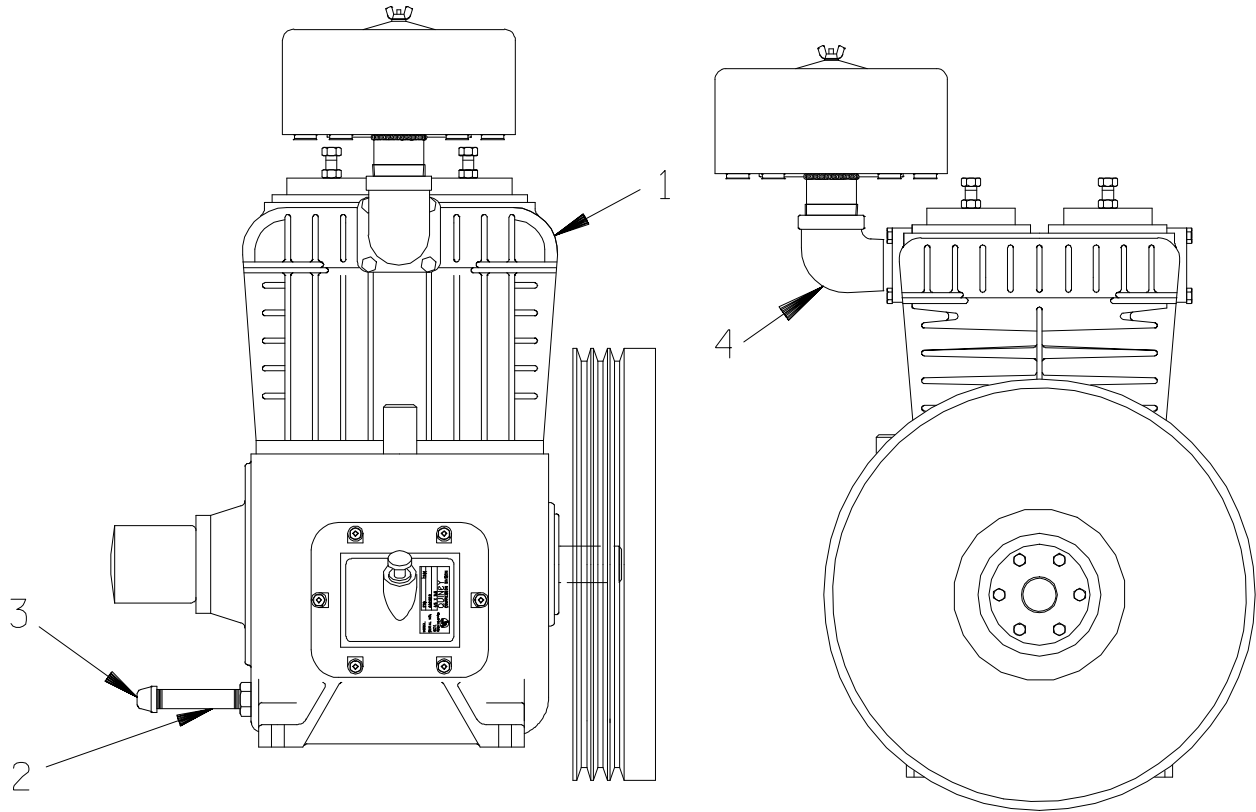
ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PRIMING VALVE	26664-007	---	1
2	ORIFICE BUTTON	26688-021	---	REF
3	HEX HD CAPSCREW	B0806	15991	8
4	LOCK WASHER	J08	15991	8
5	* PRIMING VALVE GSKT	38683-657	19060	1
6	HEX HD CAPSCREW	B0605	15991	12
7	LOCK WASHER	J06	15991	12
8	PRIMING CHAMBER LID	38346-618	10000	1
9	* LINEAR O-RING	18512-056	---	3.86'
10	PRIMING CHAMBER	38343-018	10000	1
11	STRAINER ASSY	46641-222	17000	1

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PARTS LIST
Air Compressor Assembly

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	AIR COMPRESSOR	26813-101	---	1
	* -AIR FILTER	29334-072	---	1
2	PIPE NIPPLE	T0818	15079	1
3	PIPE CAP	V08	15079	1
4	ST ELBOW	RS32	11999	1

* INDICATES PARTS RECOMMENDED FOR STOCK

THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

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