



***PRIME-AIRE[®]* SERIES**
PUMP MODEL
PA4A60—4045D

MANUAL
PART 2 of 3

PARTS
LIST
WITH
PERFORMANCE CURVE

THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

www.grpumps.com

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

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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.

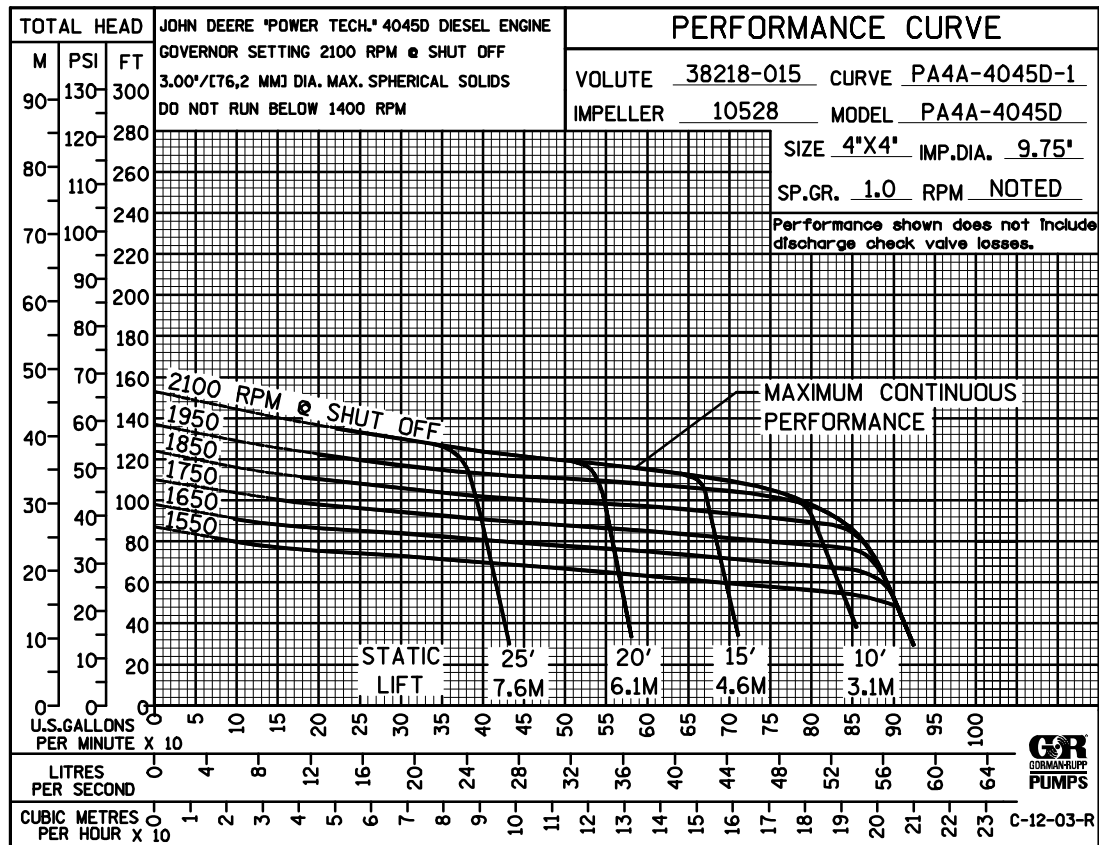
PERFORMANCE CURVE

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

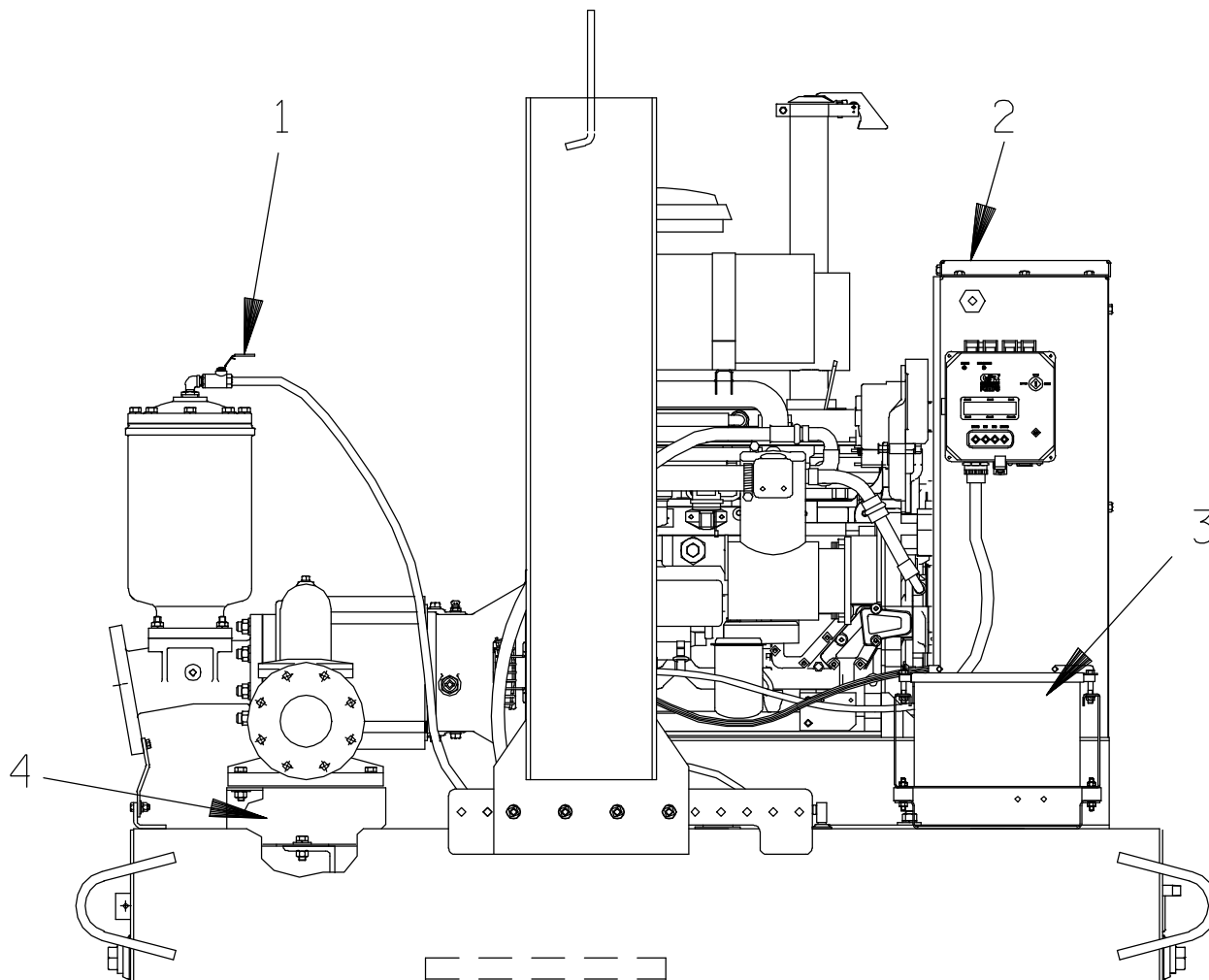


Pump speed and operating condition points must be within the continuous performance range shown on the curve.



Performance Curve – Model PA4A60–4045D

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1 of 13

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Page 64.4 A16

S/N 1302484 Up
PUMP ISSUE 3

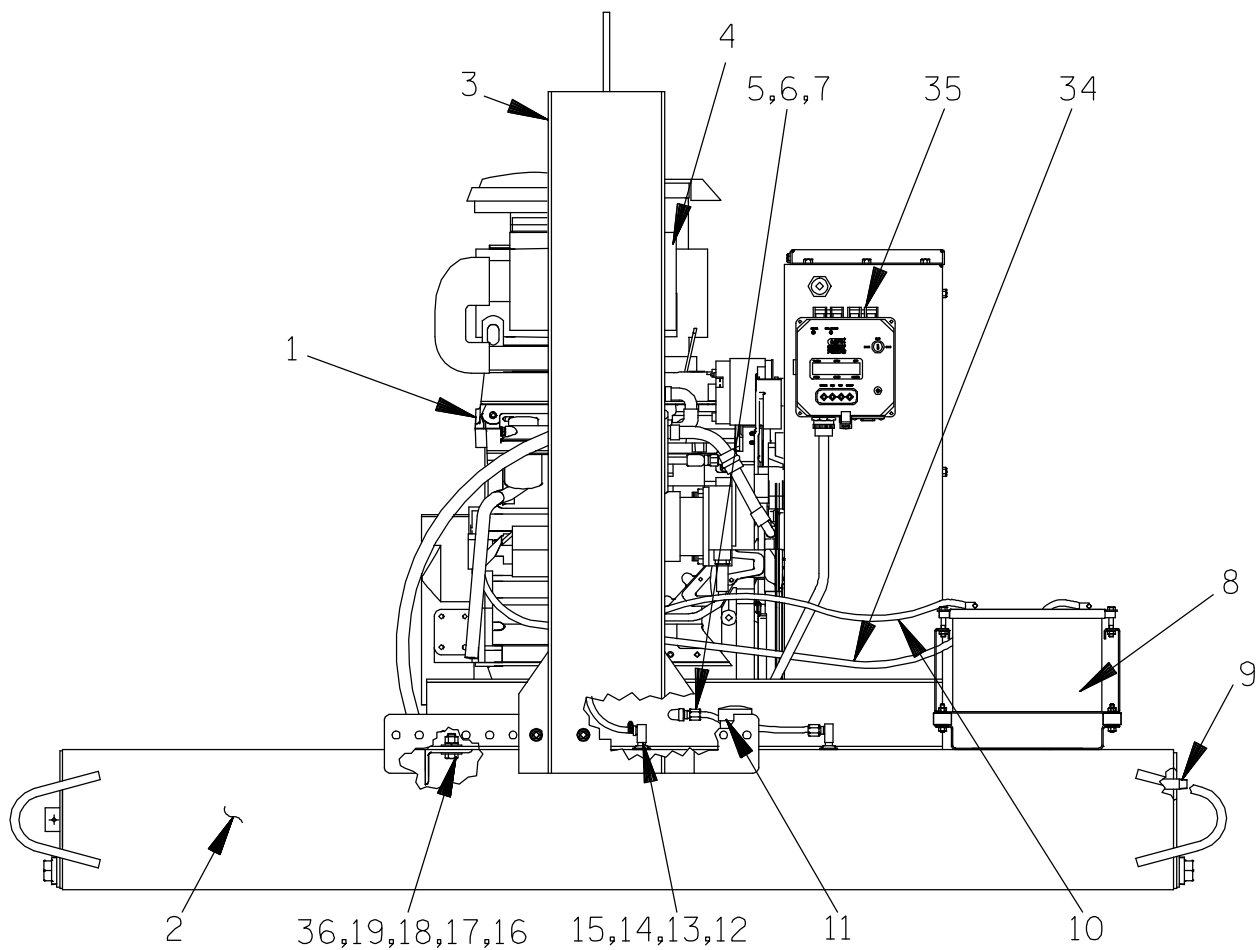
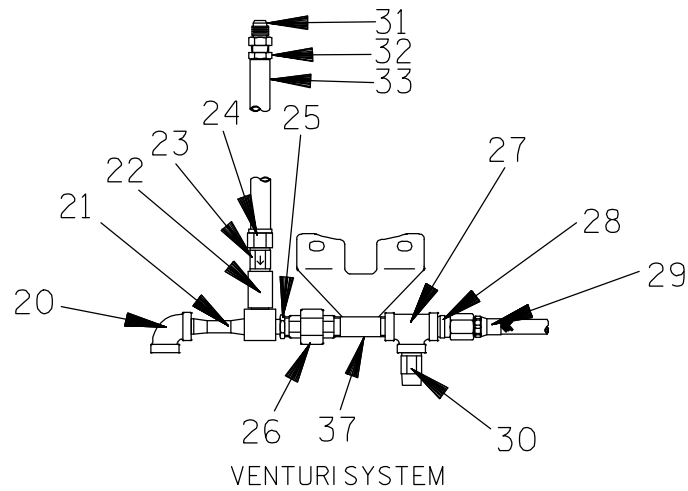
PARTS LIST

Pump Model PA4A60—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
1	PUMP END ASSEMBLY	64C60—(SAE 4/10)	----	1
2	POWER UNIT KIT	46143—047	----	1
3	BATTERY	SEE OPTIONS	----	REF
4	PUMP MOUNTING KIT	48157—026	----	1
NOT SHOWN:				
	G-R DECAL	GR—06	----	3
	PA DECAL	38812—078	----	2
	INSTR TAG PAPER	38817—085	----	1
	CAUTION DECAL	2613FJ	----	1
	STRAINER	2690C	24000	1
OPTIONAL:				
	12V BATTERY (DRY)	29331—517	----	1
	12V BATTERY (WET)	29331—527	----	1
	WHEEL KIT	GRP30—252	----	1
	EPS/TRANSDUCER CTRL PANEL KIT	48122—523	----	1
	4" THREADED FLANGE KIT	48274—203	----	1
	2—5/16" BALL TANDEM HIGHWAY TRAILER W/SURGE BRAKES			
	—JACK W/FOOT PAD	29313—011	----	1
	—JACK W/DOLLY WHEEL	29313—012	----	1
	3" I.D. LUNETTE EYE TANDEM HIGHWAY TRAILER W/SURGE BRAKES			
	—JACK W/FOOT PAD	29313—013	----	1
	—JACK W/DOLLY WHEEL	29313—014	----	1
	2—5/16" BALL TANDEM HIGHWAY TRAILER W/ELECTRIC BRAKES			
	—JACK W/FOOT PAD	29313—015	----	1
	—JACK W/DOLLY WHEEL	29313—016	----	1
	3" I.D. LUNETTE EYE TANDEM HIGHWAY TRAILER W/ELECTRIC BRAKES			
	—JACK W/FOOT PAD	29313—017	----	1
	—JACK W/DOLLY WHEEL	29313—018	----	1
	JD 4CYCLE FILTER KIT UNHTD/10MIC	48122—913	----	1
	JD 4CYCLE FILTER KIT HTD/30MIC	48122—914	----	1

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3 of 13

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Page 64.4 A16

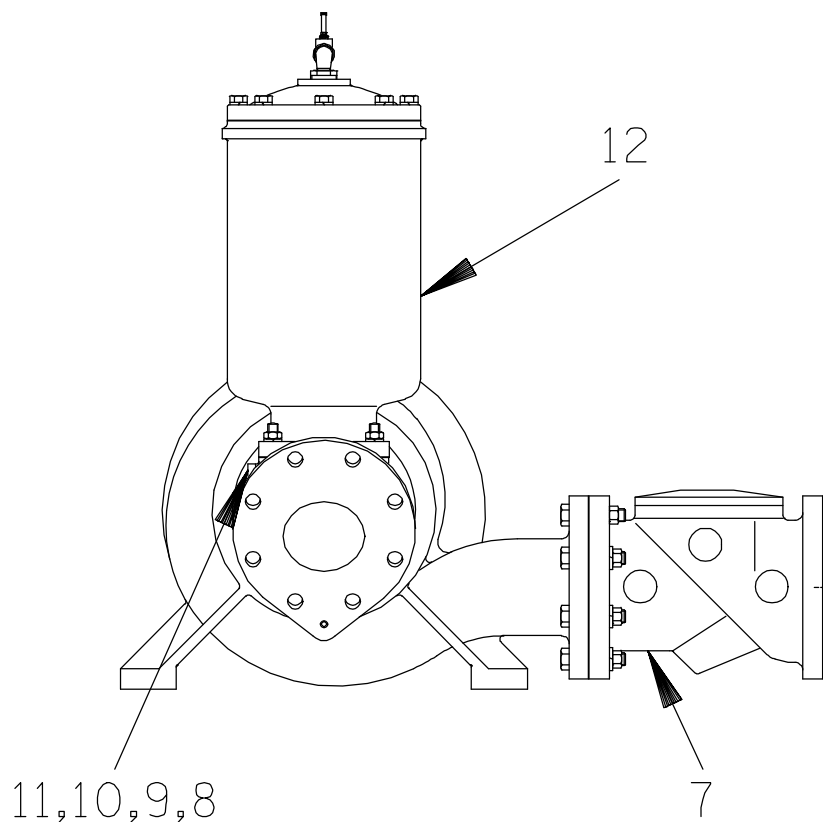
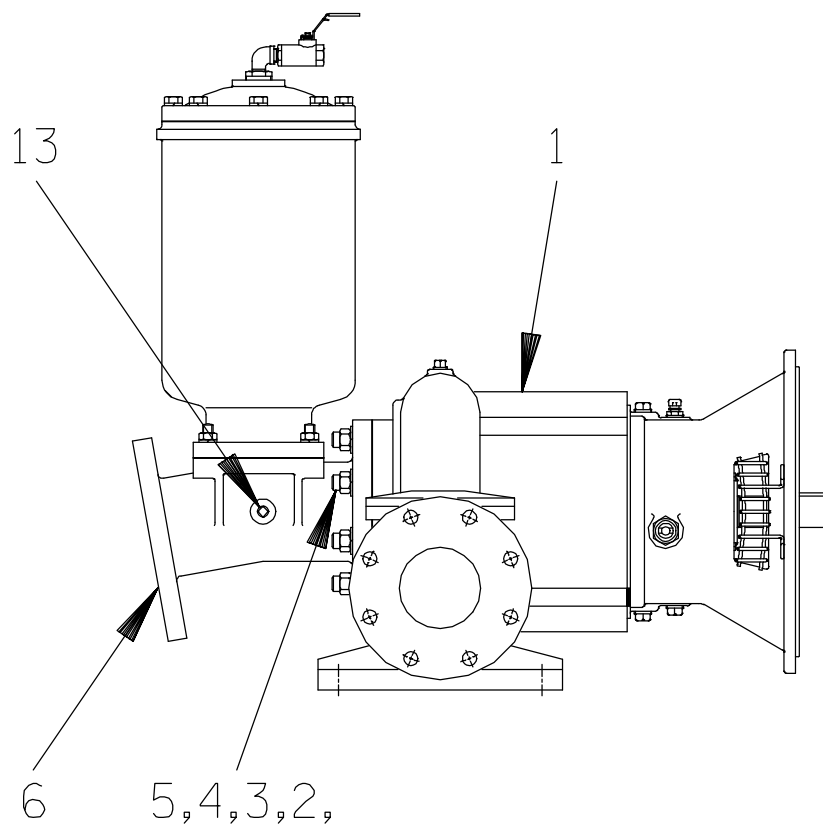
S/N 1302484 Up
PUMP ISSUE 3

PARTS LIST
46143—047 Power Unit Kit

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
1	JOHN DEERE ENGINE	29224—132	----	1
2	BASE/FUEL TANK	41553—005	24150	1
3	LIFTING BAIL KIT	48274—803	----	1
4	MUFFLER GUARD ASSY	42331—040	----	1
5	MALE ELBOW	26351—131	----	1
6	CONNECTOR	S1447	----	2
7	HOSE ASSEMBLY	46341—789	----	1
8	BATTERY BOX KIT	42432—005	----	1
9	OIL DRAIN ASSY	46342—013	----	1
10	POS BATTERY CABLE	47311—108	----	1
11	GAUGE	29332—135	----	1
12	FUEL PICKUP AND RETURN	29332—145	----	2
13	BARBED HOSE FITTING	26523—386	----	2
14	HOSE	11308G	----	1
15	HOSE CLAMP	26518—641	----	2
16	HEX HEAD CAP SCREWS	B1007	15991	4
17	HEX NUT	D10	15991	4
18	LOCK WASHER	J10	15991	4
19	FLAT WASHER	K10	15991	4
20	PIPE ELBOW	R08	11999	1
21	VENTURI	26817—002	----	1
22	PIPE CPLG	AE08	15079	1
23	BALL/CHECK VALVE	26641—091	15079	1
24	BARBED HOSE FITTING	26523—446	----	1
25	REDUCING PIPE BUSHINGS	AP0806	15079	1
26	PIPE UNION	AH08	11999	1
27	TEE	U08	11999	1
28	MALE ADAPTER	26351—065	----	2
29	HOSE ASSY	46341—426	----	1
30	PRESSURE RELIEF VALVE	26662—028	----	1
31	CONNECTOR	S1598	----	1
32	BARBED HOSE FITTING	26523—047	----	1
33	5 FT. HOSE	18513—113	----	1
34	NEG BATTERY CABLE	47311—172	----	1
35	CONTROL PANEL	SUPPLIED W/ENGINE		1
36	HEX HD CAPSCREW	B1008	15991	2
37	VENTURI MTG BRACKET	41888—199	24150	1
NOT SHOWN:				
	ENGINE START UP TAG	38816—269	----	1
	WARNING DECAL	38816—203	----	1
	INSTRUCTION DECAL	38818—144	----	1
	FLOAT SWITCH KIT	48312—980	----	1

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5 of 13

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Page 64.4 A16

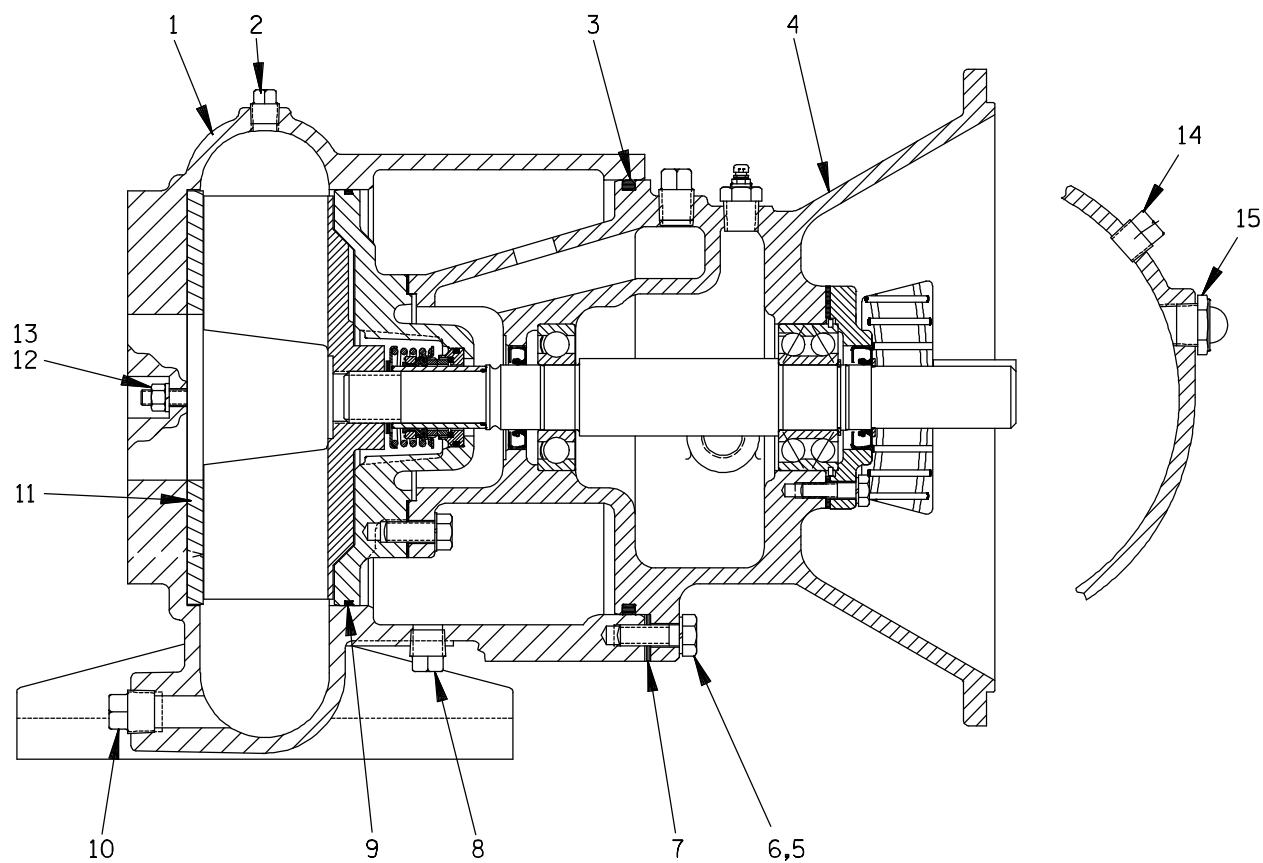
S/N 1302484 Up
PUMP ISSUE 3

PARTS LIST
PA4A60—(SAE 4/10) Pump Assembly

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP END ASSY	64C60—(SAE 4/10)	---	1
2	* PUMP CASING GSKT	1676G	18000	1
3	STUD	C1011	15991	8
4	HEX NUT	D10	15991	8
5	LOCKWASHER	J10	15991	8
6	4" SPOOL FLANGE	38644—802	10000	1
7	CHECK VALVE KIT	48274—003	---	1
	—CHECK VALVE	26642—124	---	1
	* —FLAPPER	26688—005	---	1
	* —COVER O-RING	25152—366	---	1
	* —FLANGE GASKET	25113—034	---	1
8	COVER PLATE	38244—021	15080	1
9	* COVER PLATE GSKT	38689—037	18000	1
10	HEX HD CAPSCREW	B0804	15991	2
11	LOCKWASHER	J08	15991	2
12	PRIMING CHAMBER KIT	48275—005	---	1
13	PIPE PLUG	P04	15079	1
NOT SHOWN:				
	NAME PLATE	38818—127	13000	1
	DRIVE SCREW	BM#04—03	17000	4
	G-R DECAL	GR—06	---	1
	ROTATION DECAL	2613M	---	1
	STRAINER	2690C	24000	1

* INDICATES PARTS RECOMMENDED FOR STOCK

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7 of 13

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Rev. D 05/20/13

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Page 64.4 A16

S/N 1302484 Up
PUMP ISSUE 3

PARTS LIST
64C60—(SAE 4/10) Pump End Assembly

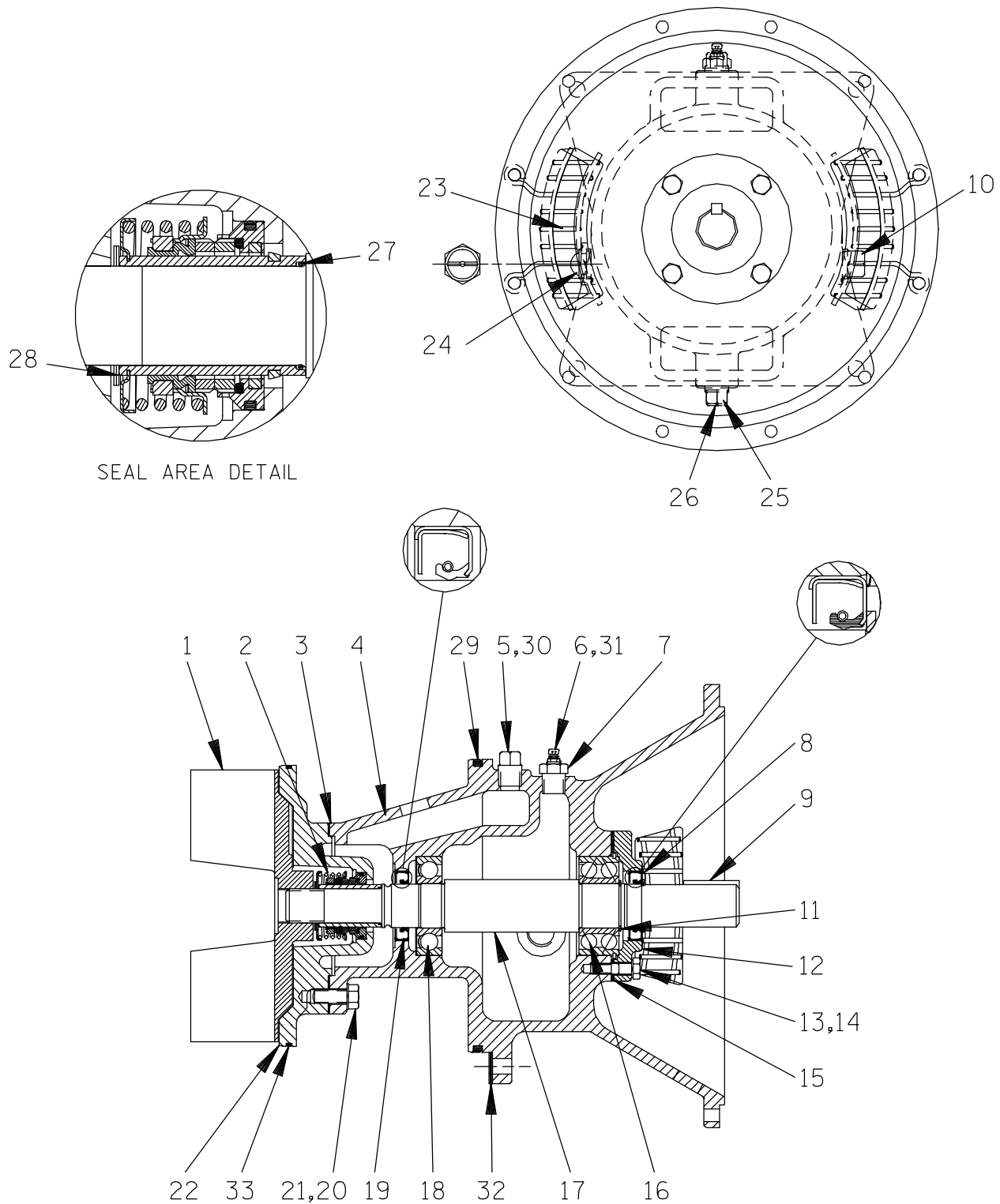
ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	PUMP CASING	38218—015	10000	1
2	PIPE PLUG	P06	15079	1
3	* INTERMEDIATE O-RING	S1674	---	1
4	REPAIR ROTATING ASSY	44163—229	---	1
5	HEX HD CAPSCREW	B0806	15991	4
6	LOCKWASHER	J08	15991	4
7	* ROT ASSY SHIM SET	13130	17040	4
8	DRAIN PLUG	P08	15079	1
9	* SEAL PLATE O-RING	25154—273	---	1
10	CASING DRAIN PLUG	P12	15079	1
11	* WEAR PLATE	10532B	15990	1
12	HEX NUT	D06	15991	2
13	LOCKWASHER	J06	15991	2
14	SIGHT GAUGE	S1471	---	1
15	PIPE PLUG	P08	15079	1

NOT SHOWN:

NAME PLATE	2613R	13000	1
DRIVE SCREW	BM#04—03	17000	4
OIL LEVEL DECAL	38816—123	---	1
SUCTION STICKER	6588AG	---	1
DISCHARGE STICKER	6588BJ	---	1
WARNING DECAL	2613FE	---	1
LUBE DECAL	11421A	---	1
DRIVE ASSY SAE 3/4—10	44162—160	---	1
INSTRUCTION TAG	38817—085	---	1

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9 of 13

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Page 64.4 A16

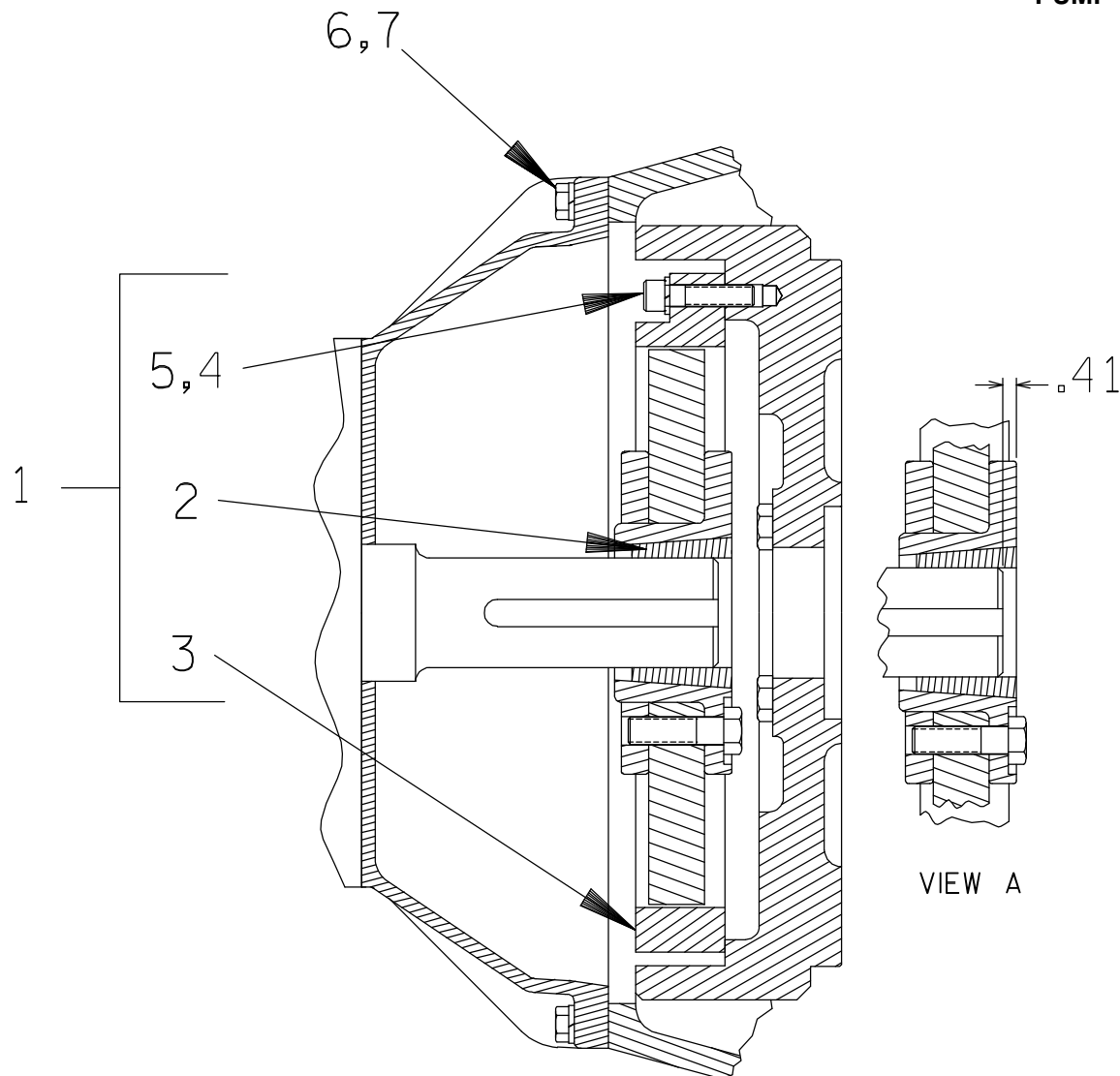
S/N 1302484 Up
PUMP ISSUE 3

PARTS LIST
44163—229 REPAIR ROTATING ASSEMBLY

ITEM NO.		PART NAME	PART NUMBER	MAT'L CODE	QTY
1	*	IMPELLER	10528	11010	1
2	*	SEAL ASSY	46513—151	---	1
3	*	SEAL PLATE GSKT	10959G	20000	1
4		INTERMEDIATE BRACKET	38266—007	10000	1
5		VENTED PLUG	4823A	15079	1
6		AIR VENT	S1530	---	1
7		REDUCER PIPE BUSHING	AP0802	15079	1
8	*	OIL SEAL	S1352	---	1
9	*	SHAFT KEY	N0610	15990	1
10		PIPE PLUG	P12	15079	1
11		BRG SNAP RING	S244	---	1
12		BEARING CAP	38322—215	10010	1
13		HEX HD CAPSCREW	B0605	15991	4
14		LOCKWASHER	J06	15991	4
15	*	BEARING CAP GSKT	38683—248	18000	1
16	*	OUTER BALL BEARING	S1040	---	1
17	*	IMPELLER SHAFT	38514—561	1706H	1
18	*	INNER BALL BEARING	23276—009	---	1
19	*	OIL SEAL	S1352	---	1
20		HEX HD CAPSCREW	B0805 1/2	15991	4
21		LOCKWASHER	J08	15991	4
22		SEAL PLATE	38272—234	10010	1
23		INTERM GUARD ASSY	42381—509	24152	2
24		OIL LVL SIGHT GAUGE	S1471	---	1
25		INTERM DRAIN PLUG	P08	15079	1
26		SEAL CVTY DRAIN PLUG	P08	15079	1
27	*	SHAFT SLEEVE O-RING	25154—022	---	REF
28	*	IMPELLER ADJ SHIM SET	37J	17090	REF
29	*	INTERMEDIATE O-RING	S1674	---	1
30		SHIPPING PLUG	11495B	15079	1
31		SHIPPING PLUG	11495B	15079	1
32	*	ROT ASSY ADJ SHIM SET	13130	17040	4
33	*	SEAL PLATE O-RING	25154—273	---	1
NOT SHOWN:		INSTRUCTION TAG	6588U	---	1

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**Drive Assembly**

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	COUPLING KIT	48112—005	---	1
2	—BUSHING	24131—496	---	1
3	—COUPLING ASSY	24391—105	---	1
4	—LOCKWASHER	21171—536	---	8
5	—SAE SOCKET HD CAPSCREW	BD0606 1/2	15991	8
5	—METRIC SOCKET HD CAPSCREW	22644—220	---	8
SAE APPLICATIONS:				
6	HEX HD CAPSCREW	B0605	15991	12
7	LOCKWASHER	J06	15991	12
METRIC APPLICATIONS				
6	HEX HD CAPSCREW	22645—164	---	12
7	LOCKWASHER	21171—511	---	12

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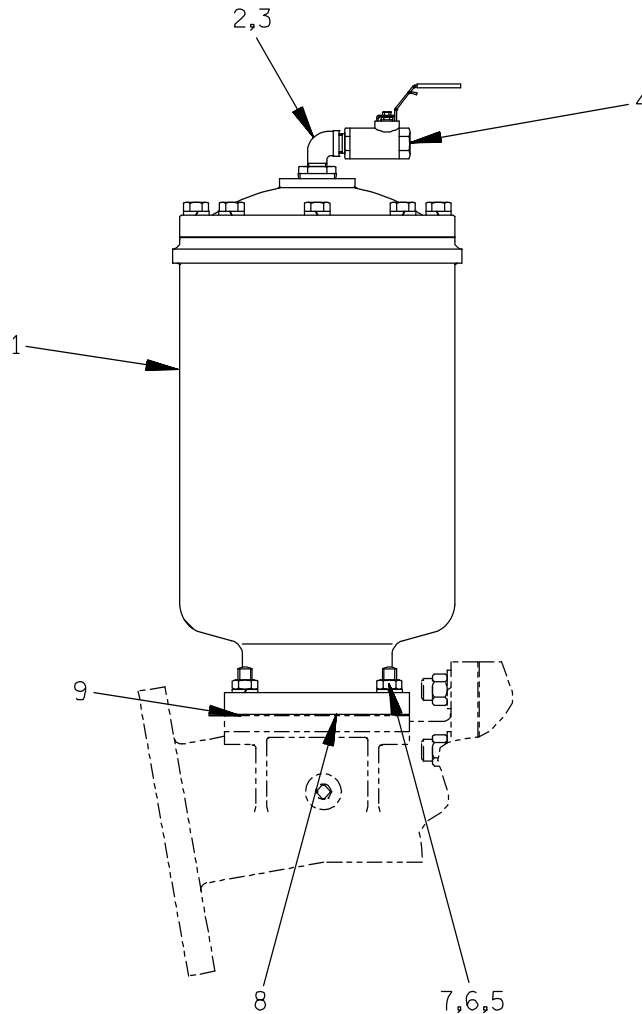
11 of 13

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Page 64.4 A16

S/N 1302484 Up
PUMP ISSUE 3

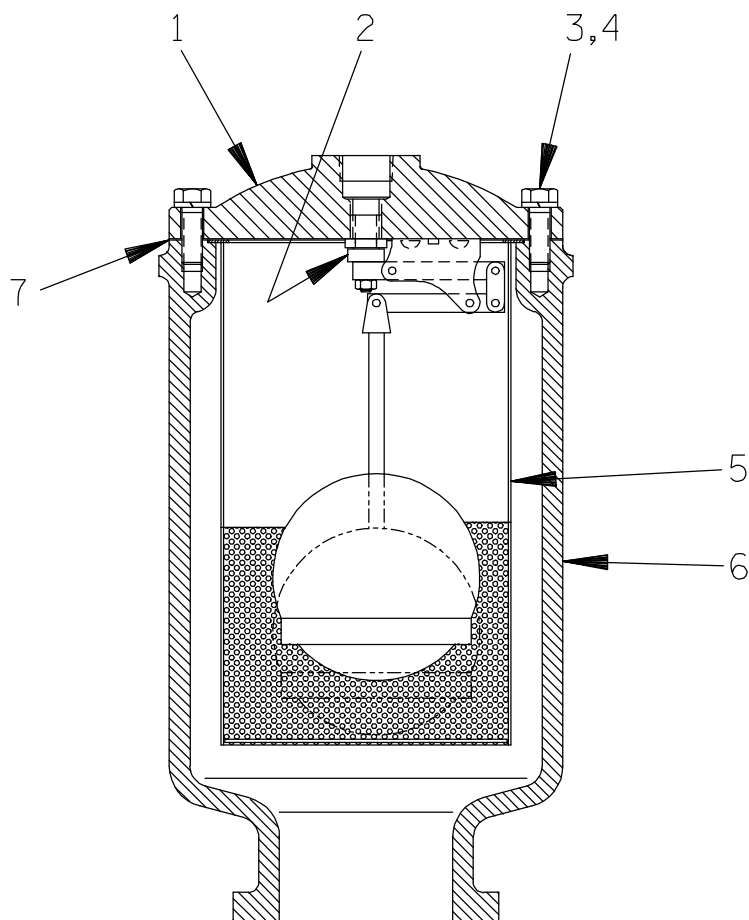


PARTS LIST
48275—005 Priming Chamber Kit

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

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13 of 13

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Page 64.4 A16

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