


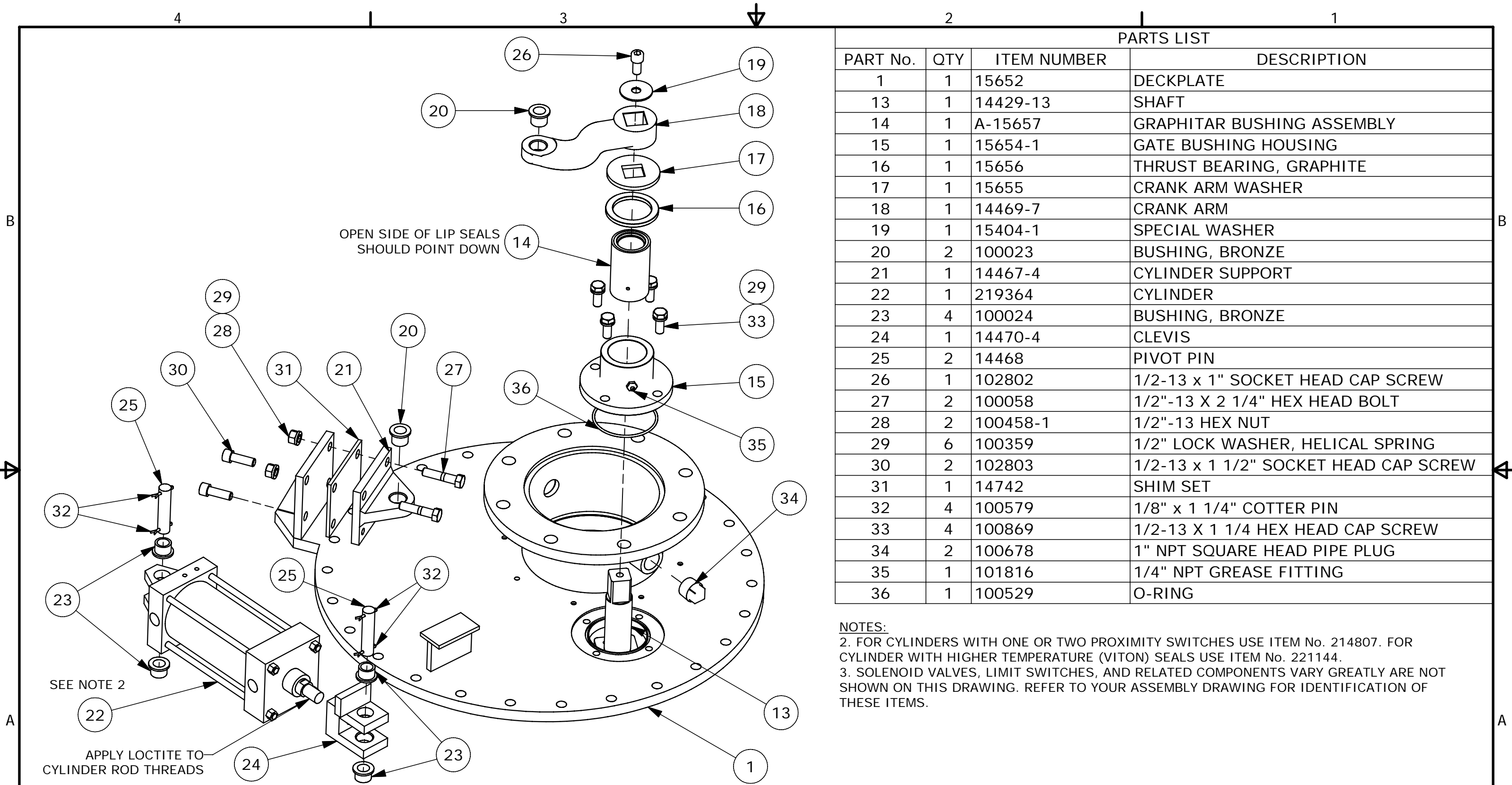
PARTS LIST			
PART No.	QTY	ITEM NUMBER	DESCRIPTION
1	1	SEE NOTE 1	DECKPLATE
2	1	19144-1	GATE ARM
3	1	19142-1	SEAT
4	1	19141	GATE
5	1	225299	SEAT GASKET
6	1	SEE TABLE 1	SPRING ADJUSTMENT SCREW
7	1	SEE TABLE 1	SPRING
8	1	19143-2	RETAINING RING
9	1	107927	1 1/2-6 JAM NUT
10	7	100813	3/8-16 x 1 FLAT HEAD SOCKET CAP SCREW
11	1	109077	5/8-18 x 2 1/2" SOCKET HEAD CAP SCREW
12	1	101323	5/8" USS PLAIN WASHER
13	1	14429-13	SHAFT

NOTES:
1. DECKPLATES VARY DUE TO SEVERAL FACTORS SUCH AS THICKNESS, EQUALIZER VALVE CONNECTIONS, LIMIT SWITCH OPTIONS, AND IF THE VALVE WAS CONVERTED FROM STYLE I TO STYLE IV. SEE YOUR ASSEMBLY DRAWING FOR IDENTIFICATION OF THE DECKPLATE ITEM NUMBER.

TABLE 1		
TEMPERATURE RATING	SPRING PART No.	ADJUST SCREW PART No.
LOW TEMP (350° F MAX)	109079	19145
HIGH TEMP (750° F MAX)	212843	19145-1


SPRING ADJUSTMENT PROCEDURE
1. TURN SPRING ADJUSTMENT SCREW UNTIL GATE CONTACTS SEAT.
2a. FOR LOW TEMPERATURE DECKPLATES: TIGHTEN 2 MORE TURNS.
2b. FOR LOW TEMPERATURE DECKPLATES WITH ASH HEADS GREATER THAN 15 FT OR EQUALIZER HEADER TO DISCHARGE LINE DIFFERENTIAL PRESSURES GREATER THAN 2.5 PSI: TIGHTEN 3 MORE TURNS.
2c. FOR HIGH TEMPERATURE DECKPLATES: TIGHTEN 1.5 MORE TURNS.
3. LOCK ADJUSTMENT SCREW IN PLACE BY TIGHTENING JAM NUT.

					DRAWN BY	PAG	12/19/2007	 <div>Allen-Sherman-Hoff a Division of Diamond Power International, Inc. EXTON, PENNSYLVANIA, U.S.A.</div> <div>© 2010 DIAMOND POWER INTERNATIONAL, INC. ALL RIGHTS RESERVED. THIS DRAWING IS THE PROPERTY OF DIAMOND POWER INTERNATIONAL, INC. (DPII) AND ITS USE IS GOVERNED BY THE TERMS AND CONDITIONS OF THE CONTRACT FOR WHICH IT WAS CREATED. DPII GRANTS A NON-EXCLUSIVE LICENSE TO USE, REPRODUCE AND DISTRIBUTE THIS DRAWING SOLELY FOR THE MAINTENANCE, REPAIR AND OPERATION, AND FOR SOLICITING BIDS FOR THE ERECTION OF, THE EQUIPMENT DISCLOSED HEREIN.</div>	STYLE IV AIRLOCK DECK PLATE PARTS IDENTIFICATION SHEET		CONTRACT STD	
					CHECKED BY	CMH	1/8/2008				DWG ASH-PI-017	REV B
					APPROVED BY						SCALE: NONE	SHEET 1 OF 2
B	10/21/2010	PAG			BUSHINGS, PART #23, WERE INVERTED							
A	12/23/2008	PAG			PART #5 WAS 19355-1							
REV	DATE	REV BY	CKD BY	ENG APP	REVISION RECORD							



PARTS LIST			
PART No.	QTY	ITEM NUMBER	DESCRIPTION
1	1	15652	DECKPLATE
13	1	14429-13	SHAFT
14	1	A-15657	GRAPHITAR BUSHING ASSEMBLY
15	1	15654-1	GATE BUSHING HOUSING
16	1	15656	THRUST BEARING, GRAPHITE
17	1	15655	CRANK ARM WASHER
18	1	14469-7	CRANK ARM
19	1	15404-1	SPECIAL WASHER
20	2	100023	BUSHING, BRONZE
21	1	14467-4	CYLINDER SUPPORT
22	1	219364	CYLINDER
23	4	100024	BUSHING, BRONZE
24	1	14470-4	CLEVIS
25	2	14468	PIVOT PIN
26	1	102802	1/2-13 x 1" SOCKET HEAD CAP SCREW
27	2	100058	1/2"-13 X 2 1/4" HEX HEAD BOLT
28	2	100458-1	1/2"-13 HEX NUT
29	6	100359	1/2" LOCK WASHER, HELICAL SPRING
30	2	102803	1/2-13 x 1 1/2" SOCKET HEAD CAP SCREW
31	1	14742	SHIM SET
32	4	100579	1/8" x 1 1/4" COTTER PIN
33	4	100869	1/2-13 X 1 1/4 HEX HEAD CAP SCREW
34	2	100678	1" NPT SQUARE HEAD PIPE PLUG
35	1	101816	1/4" NPT GREASE FITTING
36	1	100529	O-RING

NOTES:
2. FOR CYLINDERS WITH ONE OR TWO PROXIMITY SWITCHES USE ITEM No. 214807. FOR CYLINDER WITH HIGHER TEMPERATURE (VITON) SEALS USE ITEM No. 221144.
3. SOLENOID VALVES, LIMIT SWITCHES, AND RELATED COMPONENTS VARY GREATLY ARE NOT SHOWN ON THIS DRAWING. REFER TO YOUR ASSEMBLY DRAWING FOR IDENTIFICATION OF THESE ITEMS.

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						CHECKED BY	CMH	1/8/2008				DWG ASH-PI-017	REV B
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