


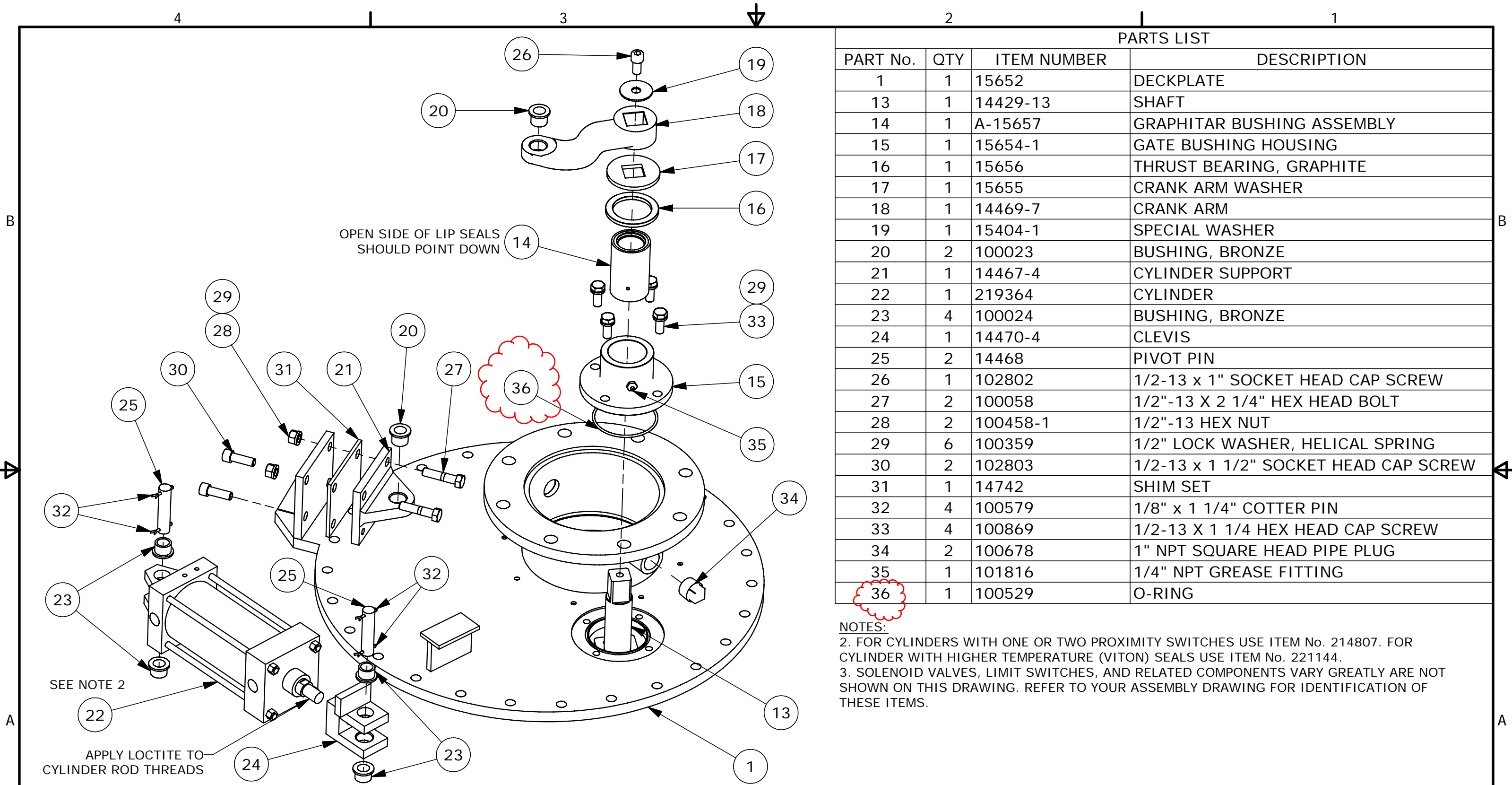
| PARTS LIST | | | |
|------------|-----|-------------|---------------------------------------|
| PART No. | QTY | ITEM NUMBER | DESCRIPTION |
| 1 | 1 | SEE NOTE 1 | DECKPLATE |
| 2 | 1 | 19144-1 | GATE ARM |
| 3 | 1 | 19142-1 | SEAT |
| 4 | 1 | 19141 | GATE |
| 5 | 1 | 225299 | SEAT GASKET |
| 6 | 1 | 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.

| | | | | | | | | | | | | |
|-----|------------|--------|--------|---------|-----------------------------------|----------|----------|------------|---|--------------------------------|-------------|--------------|
| | | | | | | DRAWN BY | PAG | 12/19/2007 |  <div>Allen-Sherman-Hoff</div> <div>a Division of Diamond Power International, Inc.</div> <div>EXTON, PENNSYLVANIA, U.S.A.</div> | STYLE IV AIRLOCK DECK PLATE | CONTRACT | |
| | | | | | CHECKED BY | CMH | 1/8/2008 | STD | | | | |
| | | | | | APPROVED BY | | | DWG | | | REV | |
| B | 10/21/2010 | PAG | | | BUSHINGS, PART #23, WERE INVERTED | | | ASH-PI-017 | | | B | |
| A | 12/23/2008 | PAG | | | PART #5 WAS 19355-1 | | | | | PARTS IDENTIFICATION SHEET | | |
| REV | DATE | REV BY | CKD BY | ENG APP | REVISION RECORD | | | | | | SCALE: NONE | SHEET 2 OF 2 |