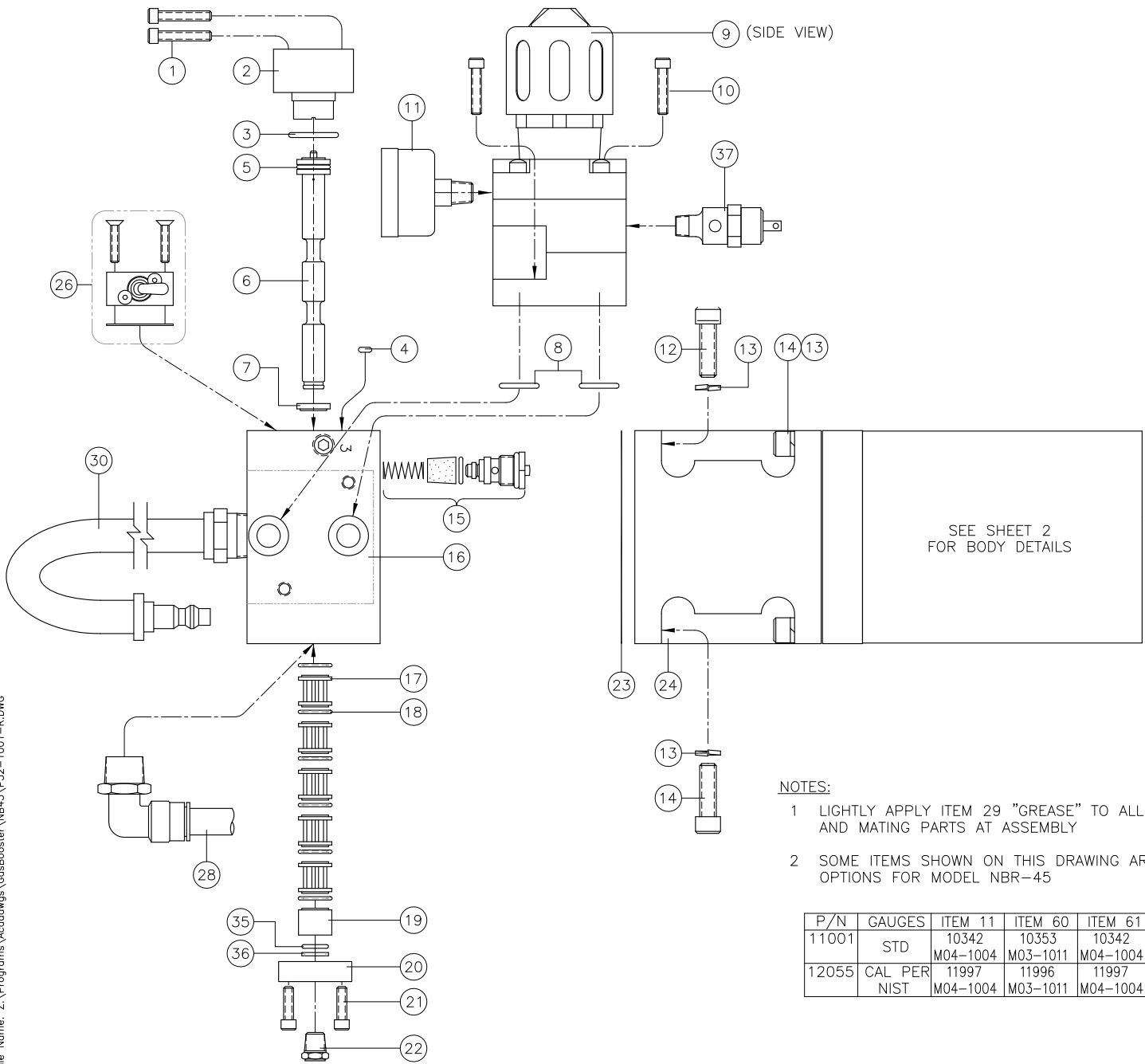


File Name: Z:\Programs\Acaddwgs\GasBooster\NB45\P32-1001-R.DWG



NOTES:

- 1 LIGHTLY APPLY ITEM 29 "GREASE" TO ALL SEALS AND MATING PARTS AT ASSEMBLY
- 2 SOME ITEMS SHOWN ON THIS DRAWING ARE OPTIONS FOR MODEL NBR-45

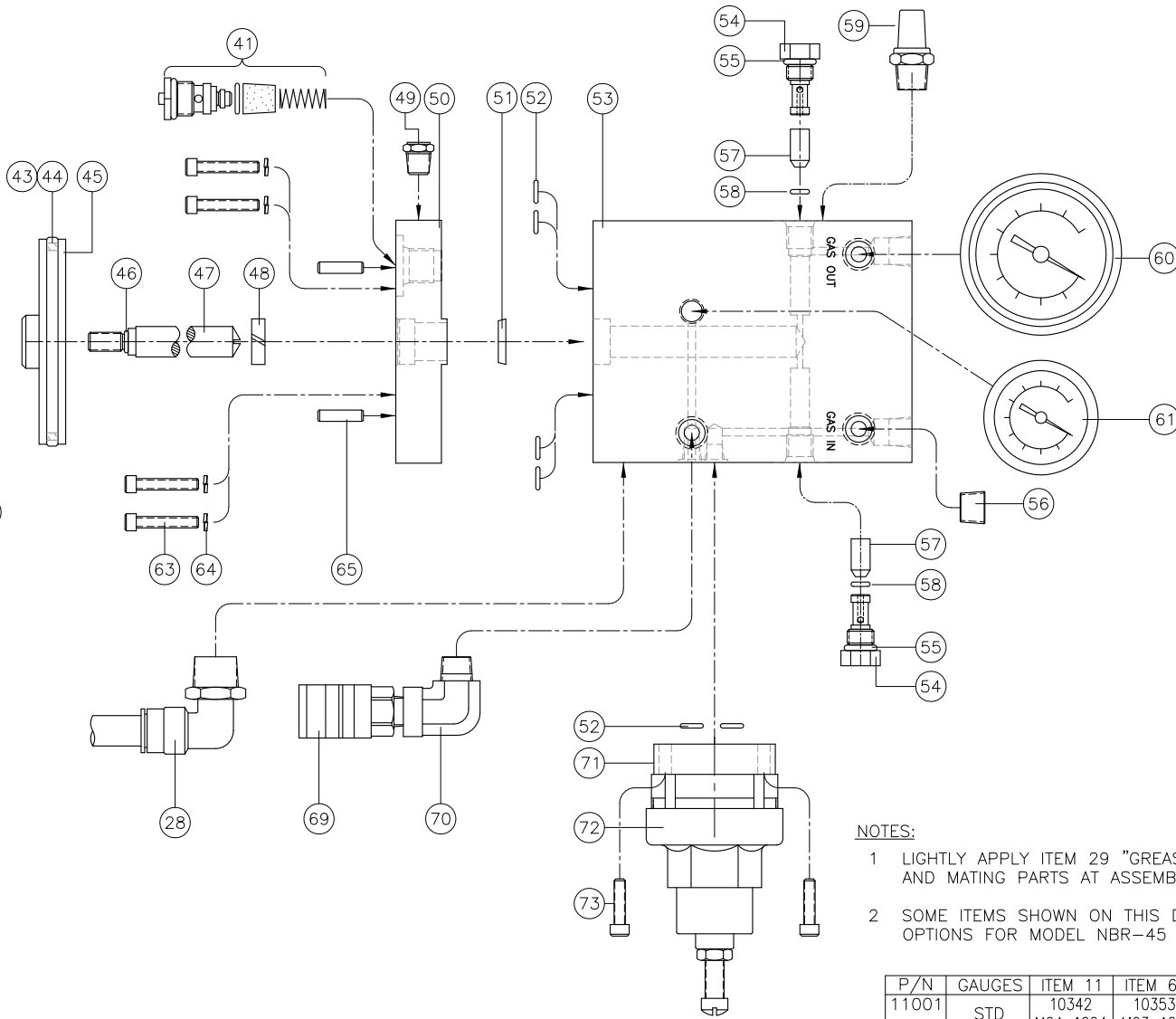
| P/N | GAUGES | ITEM 11 | ITEM 60 | ITEM 61 |
|-------|-----------------|-------------------|-------------------|-------------------|
| 11001 | STD | 10342 M04-1004 | 10353 M03-1011 | 10342 M04-1004 |
| 12055 | CAL PER NIST | 11997 M04-1004 | 11996 M03-1011 | 11997 M04-1004 |

| REV | DESCRIPTION | BY | DATE |
|-----|---|-----|---------|
| K | DEL 42; 45 WAS 10477 P00-5203; 46 WAS SO-903B7; 47 WAS 10484 P32-5501 | WNI | 4/30/08 |
| L | ADDED CHART, ADDED IDI P/NS | WNI | 7/20/10 |
| M | DEL 25 & 34 (INCLUDED W/26) | WNI | 4/13/11 |
| N | ADD IDI P/NS; REV O-RING MAT'L | WNI | 1/12/12 |
| P | ITM 57 WAS 10694 NOW 11632 | WNI | 7/1/13 |
| R | ITM 9 WAS 10015 P12-1202 | WNI | 9/17/18 |

| | | | |
|----|-----|----------------|--------------------------|
| 40 | | | |
| 39 | | | |
| 38 | | | |
| 37 | 1 | 11236 M04-1006 | RELIEF VALVE, 1/8 NPT |
| 36 | 1 | 11753 | TEFLON BU RING, -012 |
| 35 | 1 | SO-012P7 | O-RING |
| 34 | | | |
| 33 | | | |
| 32 | | | |
| 31 | | | |
| 30 | 1 | 12060 M03-1046 | HOSE ASSY |
| 29 | A/R | | GREASE, WHITE LITHIUM |
| 28 | 1 | 12061 M04-1025 | HOSE ASSY |
| 27 | | | |
| 26 | 1 | 10743 V04-1001 | VALVE ASSY, 3-W, TOGGLE |
| 25 | | | |
| 24 | 1 | 10111 P12-5202 | BODY, AIR CYLINDER |
| 23 | 1 | 10334 P00-5205 | GASKET, AIR BODY |
| 22 | 1 | 10264 | BREATHER, 1/8 NPT |
| 21 | 2 | 10-24 x .62 | SCREW, SOC HD CAP |
| 20 | 1 | 10299 P00-5208 | SPOOL CAP |
| 19 | 1 | 10269 P00-5210 | BUSHING, LONG |
| 18 | 6 | 10629 | TEE SEAL |
| 17 | 5 | 10273 P00-5209 | CAGE |
| 16 | 1 | 10004 P12-5201 | AIR CAP HOUSING |
| 15 | 1 | 10017 V04-1005 | 2-WAY AIR VLV ASSY |
| 14 | 4 | 5/16-18 x 1.75 | SCREW, SOC HD CAP |
| 13 | 8 | 10393 | L'WASHER, 5/16 HI COLLAR |
| 12 | 4 | 5/16-18 x 1.00 | SCREW, SOC HD CAP |
| 11 | 1 | SEE CHART | AIR GAUGE (0-160 PSI) |
| 10 | 2 | 1/4-20 x .88 | SCREW, SOC HD CAP |
| 9 | 1 | 12286 P12-1206 | AIR REG ASSY |
| 8 | 2 | SO-016B7 | O-RING |
| 7 | 1 | 10271 P00-5212 | BUSHING, SHORT |
| 6 | 1 | 10659 P00-5211 | AIR SPOOL |
| 5 | 1 | SO-111B7 | O-RING |
| 4 | 1 | SO-006B7 | O-RING |
| 3 | 1 | SO-019B7 | O-RING |
| 2 | 1 | 11768 P00-1202 | PILOT CAP ASSY |
| 1 | 2 | 10-24 x 1.00 | SCREW, SOC HD CAP |

| ITEM | QTY | PART NUMBER | DESCRIPTION |
|------|-----|-------------|--|
| | | | INTERFACE DEVICES, INC. 230 DEPOT ROAD MILFORD, CT 06460 |

| | |
|---------------|--|
| SCALE: 1/2 | TITLE: ASSEMBLY, NB-45 BOOSTER (AVIATION) |
| DWN BY: WNI | REF: W/N2 SUPERCHARGE REG. |
| DATE: 9/27/99 | DWG NO: P32-1001 |
| SHT: 1 OF: 2 | REV: R |



| REV | DESCRIPTION | BY | DATE |
|-----|---|-----|---------|
| K | DEL 42; 45 WAS 10477 P00-5203; 46 WAS SO-903B7; 47 WAS 10484 P32-5501 | WNI | 4/30/08 |
| L | ADDED CHART, ADDED IDI P/NS | WNI | 7/20/10 |
| M | DEL 25 & 34 (INCLUDED W/26) | WNI | 4/13/11 |
| N | ADD IDI P/NS; REV O-RING MAT'L | WNI | 1/12/12 |
| P | ITM 57 WAS 10694 NOW 11632 | WNI | 7/1/13 |
| R | ITM 9 WAS 10015 P12-1202 | WNI | 9/17/18 |

| ITEM | QTY | PART NUMBER | DESCRIPTION |
|------|-----|----------------|-----------------------------|
| 80 | 3 | 1/4-20 x .38 | BUT HD CAP SCR, SS |
| 79 | 1 | 11175 P00-5803 | MOUNTING PLATE |
| 78 | | | |
| 77 | | | |
| 76 | | | |
| 75 | | | |
| 74 | | | |
| 73 | 4 | 10-24 x .75 | SOC HD CAP SCR, SS |
| 72 | 1 | 11580 M04-1017 | REGULATOR |
| 71 | 1 | 11562 P32-5604 | REG MTG BLOCK |
| 70 | 1 | 12011 | STREET ELBOW, 1/4 NPT |
| 69 | 1 | 12058 | QUICK DISCONNECT |
| 68 | | | |
| 67 | | | |
| 66 | | | |
| 65 | 2 | 11772 | DOWEL PIN, ϕ .18 x .62 |
| 64 | 4 | 10392 | L'WASHER, 1/4 HI COLLAR |
| 63 | 4 | 1/4-20 x 1.00 | SOC HD CAP SCR |
| 62 | 1 | 10334 P00-5205 | GASKET, AIR BODY |
| 61 | 1 | SEE CHART | GAUGE, 1/8 NPT, CBM, 160 |
| 60 | 1 | SEE CHART | GAUGE, 1/4 NPT, CBM, 5K |
| 59 | 2 | 10429 | MUFFLER, 1/4 NPT |
| 58 | 2 | SO-008P7 | O-RING, POLY |
| 57 | 2 | 11632 M04-1002 | CHECK VALVE (2201) |
| 56 | 1 | 12095 | PIPE PLUG, 1/4 NPT, BRSS |
| 55 | 2 | SO-012P9 | O-RING, POLY |
| 54 | 2 | 11288 P32-5602 | PLUG, CV RETAINER |
| 53 | 1 | 10116 P32-5601 | BODY, N2 BOOSTER |
| 52 | 7 | SO-011B7 | O-RING, BUNA |
| 51 | 1 | 11597 M03-1008 | VARISEAL |
| 50 | 1 | 10553 P32-5401 | RATIO PLATE |
| 49 | 1 | 10264 | BREATHER, 1/8 NPT |
| 48 | 1 | 10369 M03-1031 | ROD BEARING, TEFLON |
| 47 | 1 | 11906 P32-5502 | PISTON ROD |
| 46 | 1 | SO-902B7 | O-RING, BUNA |
| 45 | 1 | 11167 P09-5201 | AIR PISTON |
| 44 | 1 | 10377 | GLYDE RING |
| 43 | 1 | SO-233B7 | O-RING |
| 42 | | | |
| 41 | 1 | 10017 V04-1005 | 2-WAY AIR VLV ASSY |

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| P/N | GAUGES | ITEM 11 | ITEM 60 | ITEM 61 |
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| 11001 | STD | 10342 M04-1004 | 10353 M03-1011 | 10342 M04-1004 |
| 12055 | CAL PER NIST | 11997 M04-1004 | 11996 M03-1011 | 11997 M04-1004 |

| | | | |
|-------------|---|--|--------|
| | | INTERFACE DEVICES, INC. 230 DEPOT ROAD MILFORD, CT 06460 | |
| SCALE: 1/2 | TITLE: ASSEMBLY, NB-45 BOOSTER (AVIATION) | | |
| DWN BY: WNI | DATE: 9/27/99 REF: W/N2 SUPERCHARGE REG. | | |
| SH: 2 OF: 2 | DWG NO: P32-1001 | | REV: R |