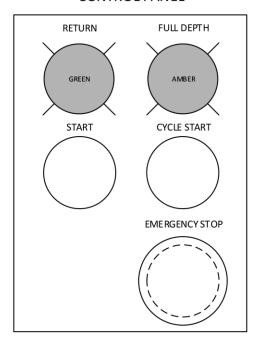


CONTROL PANEL

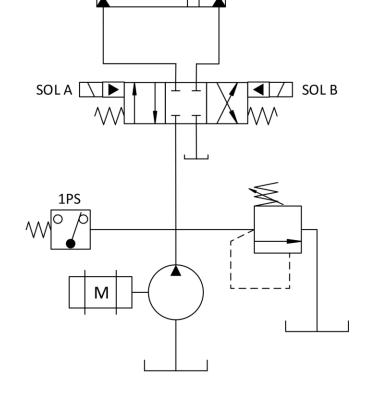


1LS

2LS

I/O POINTS

| 00013/00 | SOL A ADVANCE |
|----------|--------------------------|
| • | SOL A ADVANCE |
| O0013/01 | SOL B RETURN |
| O0013/02 | 1LT UNIT RETURNED |
| 00013/03 | 2LT UNIT FULL DEPTH |
| 1002/00 | 1LS N.O. UNIT RETURNED |
| 1002/01 | 2LS N.O. UNIT FULL DEPTH |
| 1002/02 | 1PS N.O. PRESSURE SWITCH |
| 1002/03 | START P.B. N.O. |
| 1002/04 | E-STOP P.B. N.C. |
| 1002/05 | CYCLE START P.B. N.O. |



EXERCISE 8 – UNIT WON'T RETURN









Multi-State Advanced Manufacturing Consortium

US DOL SPONSORED TAACCCT GRANT: TC23767 PAG
PRIMARY DEVELOPER: Glenn Wisniewski – Henry Ford College

Integrated Manufacturing Systems Troubleshooting (IMST) Level 1

Attachment 1-18
EXERCISE 8 – CIRCUIT

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