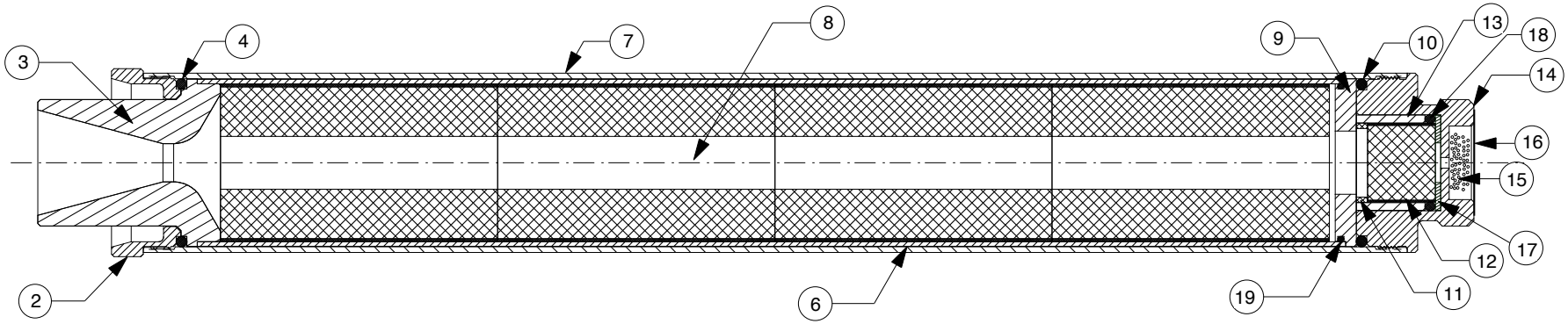
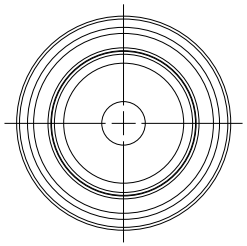
**NOTES:**

1. MOTOR ASSEMBLY SHOWN WITH SPECIFIED MOTOR HARDWARE & RELOAD KIT.

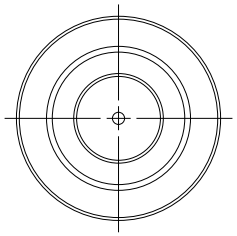
## REVISIONS

| EFFECTIVITY | REV | DESCRIPTION | DATE | APPROVED |
|---|---|---|---|---|
| FUTURE | A | FIRST RELEASE ISSUE | 3 / 25 / 10 | |



VIEW AFT CLOSURE



VIEW FORWARD CLOSURE

| QTY | PART NUMBER | DESCRIPTION | ITEM |
|---|---|---|---|
| 1 | 00031 | FWD SEAL DISK O-RING (1-7/8" O.D. X 1/16") 031 | 19 |
| 1 | 00002 | DELAY O-RING (1.17" O.D. X .123") | 18 |
| 1 | 03355 | FWD DELAY SPACER (1-1/8" O.D. X .062") | 17 |
| 1 | 05604 | EJECTION CHARGE CAP (1-1/4") | 16 |
| 1 | 03700 | EJECTION CHARGE (USER SUPPLIED) | 15 |
| 1 | 54FCC | FORWARD CLOSURE (REGULAR) | 14 |
| 1 | 03356 | DELAY INSULATOR (1.13" O.D. X .815") | 13 |
| 1 | 03920 | DELAY GRAIN(.933" O.D. X .803") | 12 |
| 1 | 03970 | AFT DELAY SPACER (.94" O.D. X .135") | 11 |
| 1 | 00224 | FORWARD O-RING (2" O.D. X 1/8") 224 | 10 |
| 1 | 54FSD | FORWARD SEAL DISK- 54MM RMS | 9 |
| 4 | 03M54-1 | PROPELLANT GRAINS (1.87" O.D. X 3.285") | 8 |
| 1 | 5417C | CASE | 7 |
| 1 | 03000-4 | PHENOLIC LINER (1.99" O.D. X 13.610") | 6 |
| NA | | INNER LINER | 5 |
| 1 | 00224 | AFT O-RING (2" O.D. X 1/8") 224 | 4 |
| 1 | 01670 | 54MM H/P NOZZLE (.455" DT UNDRILLED) | 3 |
| 1 | 54ACC | AFT CLOSURE | 2 |
| NA | | NOZZLE CAP | 1 |

LIST OF MATERIAL

| SUPPLIER DATA | RELOAD KIT IDENTIFICATION | |
|---|---|---|
| AEROTECH DIV RCS RMC, INC | 11540L | K540M-14A |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | PART NUMBER | DESCRIPTION |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

| .XX +/- .010 | .XXX +/- .005 | ANGLES +/- 2 deg. |
|---|---|---|

MATERIAL

NOTED

FINISH

CONTRACT NUMBER


RCS ROCKET MOTOR COMPONENTS, INC
2113 W. 850 N. Street
Cedar City, Utah 84721
(435) 865-7100 (Ph)
(435) 865-7120 (Fax)


| | | |
|---|---|---|
| PREP | G. ROSENFIELD | 3 / 10 |
| CHKR | | |
| APVD | | |
| APVD | | |

**HP 54/1706 MOTOR WITH K540M-14A RELOAD KIT**

SIZE A | NUMBER **ASSY DWG**

SCALE 1 / 2 | SHEET 1 OF 1