



CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DRWG NO. REV GID

E1000734-v3

SHEET 1 OF 1

ASSEMBLY NO:

D1000088-v3

OVERALL BILL OF MATERIALS

TITLE: TMS F2 MIRROR MOUNT

| | | | | | | | |
|---|-----------|-----|-----------------------------|----|-------|-----|------|
| APPROVALS: | DATE: | REV | DCN NO. | BY | CHECK | DCC | DATE |
| CIT, CC | 31-May-11 | v3 | E1100351-v1 | CC | | | |
| DRAWN / AUTHOR: (REFERENCE CONTENTS) | | | | | | | |
| CHECKED: | | | | | | | |
| APPROVED: | | | | | | | |
| DCC RELEASE | | | | | | | |

| ITEM NO | REQ. | SPARE | TOT. | PART NUMBER | REVISION | DESCRIPTION | MATERIAL |
|----------------|------|-------|------|---|----------|--|------------------------|
| 1 | 1 | 0 | 1 | D1000085 | v1 | ALIGO F2 MIRROR WEDGE | 6061-T6 Al |
| 2 | 6 | 2 | 8 | 96861A600 (McM-Carr) or equiv | | VENTED FLAT WASHER .255 ID, .468 OD, .032 TH | 18-8 SSSL |
| 3 | 1 | 0 | 1 | D1002459 | v1 | ALIGO AOS TRANSMON F2 MIRROR SIDE CLAMP UPPER | 6061-T6 Al |
| 4 | 6 | 2 | 8 | MS16995-51 | | SCREW, SOCKET HEAD CAP, 1/4-20 UNC-2A X 0.875 LONG | 300 SSSL |
| 5 | 2 | 0 | 2 | D1002458 | v1 | ALIGO AOS TRANSMON F2 MIRROR SIDE CLAMP LOWER | 6061-T6 Al |
| 6 ₁ | 3 | 1 | 4 | 94355A614 (McM-Carr) or equiv ₁ | | SKT SET SCRW, FLAT PT, 1/4-28 X 1/2 ₁ | 18-8 SSSL ₁ |
| 7 | 3 | 1 | 4 | 99934A330 (McM-Carr) or equiv | | SKT SET SCRW, 6-32 X 1/4 L, SILVER TIP | 18-8 SSSL |
| 8 | 3 | 2 | 5 | 9529K44 (McM-Carr) or equiv | | 440C SS BALL 7/32" DIAMETER, GRADE 24 | AISI 440C |
| 9 | 1 | 0 | 1 | D1100522 | v1 | TMS Telescope Second Fold Mirror | BK7 GLASS |
| 10 | 3 | 0 | 3 | D1002465 | v2 | ALIGO AOS TRANSMON F2 MIRROR CLAMP | 6061-T6 Al |
| 11 | 3 | 1 | 4 | 70466S (Century Spring) or equiv | | COMPRESSION SPRING .210 O.D., .018 W.D., .63 L, 3.4#/IN | 302 SSSL |
| 12 | 3 | 1 | 4 | 94035A999 (McM-Carr) or equiv | | PRECISION SKT SHLDR SCRW 5/32 O.D., 5/8 L, #6-32 X 3/16 THD | 18-8 SSSL |

FOOT NOTES:

1. Electropolish items 6 per LIGO Specification E0900364, section 5.2.2.