<table>
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<th>PART NO</th>
<th>NAME</th>
<th>MODEL OR END ITEM</th>
<th>NEXT ASY</th>
<th>PART NO</th>
<th>NAME</th>
<th>MODEL OR END ITEM</th>
<th>NEXT ASY</th>
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FOR ENGINEERING PURPOSES ONLY

DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE SPECIFIED

LEVEL 3 SCHEMATIC LTA-B

MIT GUIDANCE, NAVIGATION & CONTROL SUBSYSTEM

THIS IS AN ORIGINAL DRAWING

NAS 9-1100
<table>
<thead>
<tr>
<th>CHANGE</th>
<th>SHEET</th>
<th>DESCRIPTION</th>
<th>EFFECTIVITY</th>
<th>DEPOSITION OF EXISTING PARTS</th>
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<tr>
<td>1</td>
<td>3.00</td>
<td>LEO370-2</td>
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<td>EO42</td>
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<tr>
<td></td>
<td>42B</td>
<td>ADDED THERM COUPLE WITH ASSOCIATED WIRING AND NOMENCLATURE FOR MEASUREMENT NO. GG8128T.</td>
<td></td>
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<tr>
<td>3</td>
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<tr>
<td></td>
<td>35C</td>
<td>CONTACTS OF CONNECTOR J163 ARE PINS, WERE SOCKETS.</td>
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<td>4</td>
<td>7.00</td>
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<tr>
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<td>203</td>
<td>ADDED CONNECTOR DESIGNATION 3031 3032. ADDED PIN NUMBERS TO 3032 (PSA ADAPTOR CABLE). HARDWARE CHANGE: SIGNAL CONDITIONER 3AG INTERNAL CIRCUITRY EXTENSIVELY REVISED.</td>
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<tr>
<td>5</td>
<td>10.00</td>
<td>M4A</td>
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<td>35A</td>
<td>ADDED DESIGNATION FOR CONNECTORS 3031 &amp; 3032. CHANGED LOCATION OF THERM COUPLE WIRES FROM C4C.</td>
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<tr>
<td>6</td>
<td>6.00</td>
<td>35A</td>
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<td></td>
<td>33A</td>
<td>ADDED WIRING &amp; NOMENCLATURE FOR THE FOLLOWING: ACE BIAS FOR LGC 14V SUPPLY, ACE BIAS FOR LGC 4V SUPPLY &amp; INHIBIT LGC POWER FAIL.</td>
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<td>7</td>
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<td>30</td>
<td>INTERCHANGED CONNECTIONS WITHIN 3A2 (SPICE POINTS) FOR TWO WIRES CONNECTED TO 54P2, PINS H14 &amp; K14.</td>
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<td>ADDED NOTE 30.</td>
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<td>DESCRIPTION</td>
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<tr>
<td>A</td>
<td>SHEET CHANGE LIST</td>
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<tr>
<td>A-9</td>
<td>B 18 ELO SHEET</td>
<td>3.02</td>
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<td>A-5</td>
<td>ORDER REWORK SCRAP</td>
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<td>A-10</td>
<td>AIF</td>
<td>DLO LEVEL ELETTA WITH ASSOCIATED NOMENCLATURE FOR MUTUAL RESPONSIBILITY</td>
<td>4.00</td>
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<td>A-16</td>
<td>DELETED NAV PAGE VARIATION SENSES &amp; ASSOCIATED WIRING &amp; NOMENCLATURE</td>
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<td>A-20</td>
<td>CHANGED RELAY TO L3 CONNECTOR CONNECT 29 TO L2 CONNECT</td>
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<td>A-41</td>
<td>PRINTED SENSORS TO WIRING LIST</td>
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FOR CONTINUATION OF REVISIONS SEE SHEET
DISPOSITION OF ENGR DESCRIPTION EFFECTIVITY

- PARTS ORDER
- REMOVED NOTE 32 FROM SHEET 3.02
- REMOVED OUTER SHEILD FROM WIRES BETWEEN P229A AND T729A. ADDED "20A" RATING TO CIRCUIT BREAKER 4CB/724.
- CHANGED BREAKER RATINGS FOR 4-CB/724 FROM 3A70 TO 5A AND FOR 4-CB/724 FROM 5A TO 7A.
- ADDED REF DESIGNATION "3410", 3A110 # 3A12 TO HARNESS A, B BETWEEN NAV BASE RESPECTIVELY.
- CHANGED SHIELD NO. REF. FOR WIRING HARNESS FROM "ALL" TO 70.
- ADDED UNRIT NO. TO ATTACH EMBLEM ASSY.
- ADDED PART NO. TO ATTACH ROTS.
- ADDED REF DESIGNATION "3410", 3A110 # 3A12 TO HARNESS A, B BETWEEN NAV BASE RESPECTIVELY.
- CHANGED SHIELD NO. REF. FOR WIRING HARNESS FROM "ALL" TO 70.
- ADDED PART NO. TO ATTACH EMBLEM ASSY.
- ADDED REF DESIGNATION "3410", 3A110 # 3A12 TO HARNESS A, B BETWEEN NAV BASE RESPECTIVELY.
- CHANGED SHIELD NO. REF. FOR WIRING HARNESS FROM "ALL" TO 70.
- ADDED PART NO. TO ATTACH EMBLEM ASSY.

- SHEET 70 IS SHEET 195.
- ADDED SHALE TO SHEET 195.
- DELETED MEASUREMENTS 2380, 2380, 2380, 2380.
- ADDED PART NO. TO ATTACH ROTS.
- ADDED REF DESIGNATION "3410", 3A110 # 3A12 TO HARNESS A, B BETWEEN NAV BASE RESPECTIVELY.
- CHANGED SHIELD NO. REF. FOR WIRING HARNESS FROM "ALL" TO 70.
- ADDED PART NO. TO ATTACH EMBLEM ASSY.
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- CHANGED SHIELD NO. REF. FOR WIRING HARNESS FROM "ALL" TO 70.
- ADDED PART NO. TO ATTACH EMBLEM ASSY.
<table>
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<tr>
<th>ITEM NO.</th>
<th>SHEET NO.</th>
<th>ZONE</th>
<th>DET SPEC</th>
<th>CLASS</th>
<th>EFFECTIVITY</th>
<th>DISPOSITION OF EXISTING PARTS</th>
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<tr>
<td>3</td>
<td>700</td>
<td>D70</td>
<td>LEO370-27</td>
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<td>LTA-B(6)</td>
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<td>CHANGED REFERENCE CONN. NO FROM P223A TO P222</td>
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<td>LEO370-28</td>
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<td>ADDED NOTE 32 TO NOTE SHEET ADDED TO SHE. 4.00 ZONE 41B. DEFINITION OF ORIENTATION OF SWITCH 155 ON PNL III. ADDED &quot;SEE NOTE 32&quot; AND DELETED REF FROM PNL III.</td>
</tr>
</tbody>
</table>

For continuation of revisions see sheet.
28. "HIGH" SIDE OF SIGNAL REFERS TO POSITIVE-GOING PULSES.
29. COPPER & CONSTANTAN FIGTAILS FROM THERMOCOUPLES MOUNTED IN OR ON
MIT PACKAGES BY MIT. (FIGTAILS & THERMOCOUPLES ARE GFE)
30. DEUTSCH PART NUMBERS AS FOLLOWS:
   30J2 = 340-18-853
   30P2 = 346-18-85P
31. THE FOLLOWING ABBREVIATIONS ARE NOT STANDARD:
   CDU = COUPLING DATA UNIT
   PSA = POWER & SERVO ASSY
   PTA = PULSE TORQUING ASSY
   GSE = GROUND SUPPORT EQUIPMENT
   LUT = LAUNCH UMBILICAL TOWER
   SLA = SPACECRAFT TO LEM ADAPTOR
   IMU = INERTIAL MEASURING UNIT
   LGC = LEM GUIDANCE COMPUTER
   DSM = DISPLAY KEYBOARD
   CCR = COMMAND CONTROL SECTION
   RVR = RENDEZVOUS RADAR
   PCM = PULSE CODE MODULATOR
   DFI = DEVELOPMENT FLIGHT INSTRUMENTATION
   SCM = SIGNAL CONDITIONING MODULE
32. "SWITCH # 155 IN THE UP POSITION TIES THE RATE OF DESCENT (+) SIGNAL (P69 P1N 7)
   TO COMMON 2/3 K ISOLATION (P69 PIN A) AND THE RESULTING COMMAND IS FOR
   A DECREASE IN THE RATE OF DESCENT. ANALOGUOUSLY, SWITCH #155 IN THE DOWN POSITION
   TIES RATE OF DESCENT (-) SIGNAL (P69 PIN 1K) TO THE COMMON 2/3 K ISOLATION TO
   COMMAND AN INCREASE IN THE RATE OF DESCENT."
32. ALL WIRES BETWEEN CONNECTORS J249A, P2494-031 ARE TO BE COVERED WITH ONE OVER-GROSS SHIELD AS FOLLOWS.
ON SHEET 6.00 ZONES 296 & 308 REWIRE CONNECTOR INFO
& Wiring as shown below:

J229 P229A J229A P229 J221 P221 P217A J217 P217B

CUT CAP

LFM

PANELS AFFECTED: None
CABLES AFFECTED: LDW330-21828 PDW340-66945
            LDW330-21828 LLW350-69455
            LDW330-21828 LLW350-69455

DELETION OF PINS CAUTION INTERFACE AS PER CCA 762
CAPPED WIRED D117B-26(A) AT P217B-PIN11
& AT J221 PIN31

ISSUED BY: A.T. ARONSON/SCHEFFER (N1657) SECT. LTC
GROUP NO. 267 P. 5
ON SHEET 2.00 IN B/M CHANGE PART NUMBER OF 3A5
FROM 2003985-051 TO 2003985-081

<table>
<thead>
<tr>
<th>Part No. shown</th>
<th>Part No. to be Used</th>
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</thead>
<tbody>
<tr>
<td>2003985-051</td>
<td>2003985-081</td>
</tr>
</tbody>
</table>

**Sheet 2.00 IN B/M**

**Change Part Number of 3A5**

**Reason for EO:** Description of EO "Rework Display/Keyboard Assy to Incorporate Alt.

**EO Description:**

1. **Rework Display/Keyboard Assy:** To incorporate alternate.

**Change Request/Part Number:**

- **From:** 2003985-051
- **To:** 2003985-081

**Drawing Disposition of Change Request Parts**

- **Constr Unit No.:**
  - [Details provided on the image]