NOTES
1. VANE POTENTIOMETER SPECIFICATIONS (MEASURE ANGLE OF ATTACK (AOA (ALPHA)) AND
   ANGLE OF SIDESLIP (AOS (BETA)))
   1.1. TYPE: DUAL CONDUCTIVE PLASTIC
   1.2. RESISTANCE: 5K OHMS
   1.3. RESISTANCE TOLERANCE: ±10%
   1.4. LINEARITY: ±5%
   1.5. RESOLUTION: INFINITE SIGNAL OUTPUT
   1.6. ELECTRICAL TRAVEL: ±170° (±5°) FROM CENTER TAP
   1.7. POWER RATING (70° C): 1.0 WATT
   1.8. MECHANICAL TRAVEL: 360° CONTINUOUS
   1.9. MECHANICAL LIFE: 20+ MILLION SHAFT REVOLUTIONS
   1.10. OPERATING TEMPERATURE RANGE: -55° TO +125° C
   1.11. OTHER SPECIFICATIONS: PER MIL-R-39023
2. HEATED PROBE SPECIFICATIONS (MEASURES TOTAL AND STATIC PRESSURE)
   2.1. INPUT POWER: 28 VDC OR 28 VOLTS, 400 CYCLE AC
   2.2. OPERATING TEMPERATURE RANGE: -65° TO +540° C
   2.3. MACH NUMBER: 0 TO 3
   2.4. OTHER SPECIFICATIONS: PER MIL-P-25632B
3. MAINTENANCE REQUIREMENTS
   3.1. PROTECTIVE ACCESSORIES SUCH AS TOTAL HEAD PROBE COVER AND VANE COVER SHOULD
       BE INSTALLED WHENEVER THE AIR DATA BOOM IS NOT IN USE. THESE ACCESSORIES WILL
       PROTECT THE PRODUCT FROM DAMAGE AS WELL AS KEEP IT CLEAN.
   3.2. PRESSURE OR LEAK TESTING OF THE PRESSURE SYSTEM SHOULD BE CONDUCTED ANNUALLY.
   3.3. BEFORE EACH FLIGHT, CHECK THE NOSE TIP FOR DAMAGE THAT MAY CAUSE MEASUREMENT
       ERRORS.
   3.4. BEFORE EACH FLIGHT, CHECK VANES FOR DAMAGE SUCH AS SCRAPED FIN EDGES, BENT FINS
       OR VANES, AND NOISY VANE BUSHINGS.
   3.5. BEFORE EACH FLIGHT, VERIFY ALL SCREWS ARE TIGHT AND THAT THE AIRCRAFT MOUNTING
       POINT IS SECURE.
   3.6. VERIFY CALIBRATION OF VANE ASSEMBLIES ANNUALLY.