



SL900-050

# SERVICE LETTER

DATE: 21 MARCH 2003

PAGE 1 OF 1

## INTEGRATED INSTRUMENTATION DISPLAY SYSTEM (IIDS) MOD 3

**MODELS AFFECTED:** MD900 helicopters with P/N 900A3720002-107, -109, -111, -113, -115, -117, -119, or -121 IIDS.

MD Helicopters Inc. (MDHI) has discovered that under high temperature and high ambient light conditions, there is a possibility of the IIDS erroneously declaring a lamp failure of either one or both display backlighting lamps and turning off the lamp(s) with the erroneous failure detection. If this occurs, the IIDS is still operating, but the display will be either dim (one lamp off) or not visible (both lamps off). It takes approximately five minutes for the IIDS to turn the lamp off after the false lamp failure detection. Cycling electrical power to the IIDS will restart the lamps. There will be a fault log generated with the fault code message: IIDSFALT2 = 9 and/or 10, which are IIDS Primary and/or Secondary Filament Failure. Note that the IIDS detects the cockpit ambient light level using the light sensor in the upper center of the IIDS faceplate.

CMC Electronics, the manufacturer of the IIDS, has determined that this occurs due to an erroneous threshold level in the lamp failure detection logic. An IIDS modification that revises the threshold level has been approved to reduce the possibility of this event occurring. An IIDS with this modification is identified as MOD 3 level on the modification level label on the unit. All new IIDS will be the MOD 3 configuration. All IIDS that are returned for maintenance or other upgrades will be modified to the MOD 3 configuration.

For further assistance, contact your local MDHI Field Service Representative or contact the Field Service Department at MDHI, Mesa, Arizona. Telephone 1-800-388-3378 or (480) 346-6387. DATAFAX: (480) 346-6813.