

AWB 31-2 Issue 1, 30 September 2002 Damage to CRT Anti-reflective coatings

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Applicability

All High Efficiency Antireflective (HEA) Coated CRT Display Unit Filters.

Models-ED-600/800, CD-800/810, DU870/880, etc.

Who should read this AWB

All maintenance personnel, maintenance organisations, Air Operator Certificate holders.

Background

CASA has been advised through a Honeywell technical newsletter A23-1995-016 regarding the care and cleaning of Honeywell CRT Display Units such as the ED-600/800, CD-800/810, and DU 870/880 which have a High Efficiency Antireflective (HEA) coating on the filter glass. This coating can be damaged by improper handling and/or cleaning procedures.

Recommendation

Honeywell recommends the following for all HEA coated CRT Display Unit Filters:

1. Particles of grit, dirt, or sand are to be removed carefully with dry air or a soft camel's hair brush;
2. For cleaning, apply isopropyl alcohol to a soft, lint free cloth, an optical grade wipe or lens paper. Using light pressure, wipe across the filter. Use each optical wipe or lens paper only once.

NOTES:

1. DO NOT SPRAY ALCOHOL OR OTHER CLEANING FLUID DIRECTLY ON THE FILTER. EXCESS FLUID MAY GO UNDER THE BEZEL AND DAMAGE THE EDGE OF THE FILTER COATING.
2. THE CD-820 IS NOT HEA COATED. CLEAN THE FRONT PANEL OF THE CDU WITH A MILD GLASS CLEANER AND A SOFT CLOTH. CLEAN FRONT GLASS FACE WITH A MILD GLASS CLEANER AND LENS TISSUE.

1. Use a clean soft cloth or optical wipe to remove any excess alcohol from the filter using the minimum motion required to remove excess liquid.

NOTE: THE LIFE OF THE CRT DISPLAY UNITS CAN BE EXTENDED BY OPERATING THEM AT THE LOWEST PRACTICAL BRIGHTNESS SETTING AND BY TURNING THEM OFF DURING GROUND MAINTENANCE WHEN AIRCRAFT POWER IS ON.