



SERVICE LETTER

DATE: 29 MARCH 2005

PAGE 1 OF 1

CALCULATION OF ONE ENGINE INOPERATIVE (OEI) EXCURSIONS CUMULATIVE LOG TIME FOR 900A3720002-1 13 AND 900A3720002-121 IIDS

The INTEGRATED INSTRUMENT DISPLAY SYSTEMS (IIDS) P/N 900A3720002-113 and 900A3720002-121 (IIDS) cumulative log can incorrectly calculate the accumulated 2.5 minute One Engine Inoperative (OEI) time. The OEI time recorded in the cumulative log can be greater than the OEI time recorded in the associated Exceedance Log. This error is conservative and should not be considered a safety of flight issue. This may however, result in early engine inspections or overhauls based on this erroneous data.

The EGT threshold used in the Cumulative Log calculation of the 2.5 minute OEI excursions and total time values is set below the actual threshold value of 900° C. The IIDS Exceedance recording function uses the correct EGT threshold for determining 2.5 minute OEI engine EGT exceedances. Therefore it is possible to have 2.5 minute OEI excursions and total time values in the Cumulative Log with no accompanying Exceedance Log. It is also possible to have more 2.5 minute OEI excursion time recorded in the Cumulative Log than recorded by the Exceedance Log in an actual exceedance event.

The Pratt & Whitney maintenance manual (05-10-00) requires an engine logbook entry for excursions into the EGT 2.5 minute OEI rating. MDHI recommends that **only** the 2.5 minute OEI time recorded by the IIDS Exceedance Log be used for this purpose. Instructions on how to download this information and view these logs as text files can be found in the CSP-900RMM-2 S3, MD Explorer Ground Based Maintenance Computer (GBMC) User Guide.