

Multi-Engine Turboprop Communiqué

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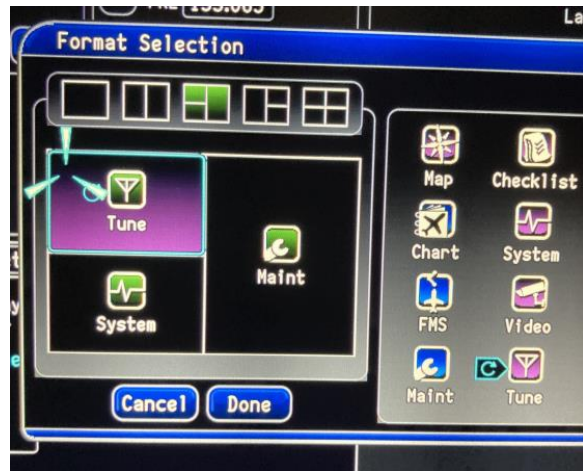
ATA 45 – Collins Fusion Diagnostics Downloads




Beechcraft King Air turboprops equipped with Collins Fusion Avionics provide helpful diagnostics reports through the Onboard Maintenance System (OMS). The procedures to download these reports are in chapter 45-20-00 of the Super King Air B300/B300C Fusion Maintenance Manual. This procedure is performed on the ground.

1. Insert a USB memory stick into the USB port at the bottom of the center Fusion Display.



2. Select the "Maint" page as a half screen from the format selection menu.



<p>3. Select the “Adv” mode from the far top right icon on the maintenance top menu.</p> <p>4. Select “Report” icon from the top of the maintenance menu.</p> <p>5. Select “Health Monitor Fault Logs” in the pulldown selection box.</p> <p>6. Press “Start” to save the Health Monitor Log to your USB device.</p>	 <p>The screenshot shows the maintenance menu with icons for Maint, ACM, System, Report, Util, and Rec Adv Mode. The 'Type' pulldown menu is open, showing options: Health Monitor Fault Logs (selected), Fault Messages Condensed, Service Messages Condensed, FDE Condensed, iTAWS Data Recordings, and Health Monitor Fault Logs. The 'Leg Range' and 'Write To' fields are also visible, and a 'Start' button is at the bottom.</p>
<p>7. Select “iTAWS Data Recordings” from the Type pulldown menu.</p> <p>8. Press “Start” to save the iTAWS Data Recordings to your USB device.</p>	 <p>The screenshot shows the maintenance menu with the 'Type' pulldown menu set to 'iTAWS Data Recordings'. Below it, 'Last Leg Written' and 'Date Written' are displayed. The 'Leg Range' is set to 'Current Flight Leg' and 'Write To' is 'MFD USB'. A 'Start' button is at the bottom.</p>
<p>9. Finally, select “All Reports” from the Type pulldown menu.</p> <p>10. Press “Start” to save the Fault Messages, Flight Deck Effects, LRU, Service, Parameters, Strapping, and Config reports to your USB device.</p> <p>Note: Due to size limitations, iTAWS Data and Health Monitor Logs are not included in the “All Reports” option. They can be downloaded before or after “All Reports” but must be downloaded separately.</p>	 <p>The screenshot shows the maintenance menu with the 'Type' pulldown menu set to 'All Reports'. Below it, 'Last Leg Written 0' and 'Date Written 25MAY2021' are displayed. The 'Leg Range' is set to 'All Legs Since Last Written' and 'Write To' is 'MFD USB'. A 'Start' button is at the bottom.</p>

After all steps are completed the USB device will have two zip files and seven .txt files for review by technical support. The files can be transferred to a PC and emailed for further review.