

Advisory Wire

REFERENCE NO:	AW700-34-0653	INFORMATION TYPE:	Operational
ATA:	34-41	EFFECTIVITY:	Global Express / XRS (9002 - 9312, 9314 - 9380, 9384 - 9429) Global 5000 (9127 to 9383, 9389 to 9400, 9404 to 9431 and 9998)
SUBJECT:	Primus Weather Radar Altitude Compensated Tilt Control		

1. REFERENCES:

- 1.1. Honeywell Service Information Letter (SIL) D201806000021 Primus 880 Weather Radar ACT (Altitude Compensated Tilt) (Optional) Function – Recommended Discontinuation of Use or Use with Caution;
- 1.2. Honeywell Primus 880 Digital Weather Radar System Pilot's Guide A28-1146-102 Revision 4
- 1.3. Flight Crew Operating Manual (FCOM) Volume 2, Page 17-10-61, Radar Control – TILT

The SIL is available on the Bombardier Customer Portal (<https://my.businessaircraft.bombardier.com>).

2. INTRODUCTION:

This Advisory Wire is to inform operators of the release of a Honeywell Service Information Letter (SIL) (Ref. 1.1) advising operators of reduced Altitude Compensation Tilt (ACT) functionality and stating alternative recommendations for Tilt control.

3. DESCRIPTION:

The Altitude Compensation Tilt (ACT) function, enabled by pulling the TILT knob on the WXR Control Panel, automatically adjusts tilt as a function of selected range and barometric altitude.

The Honeywell SIL (Ref. 1.1) reports that on the Weather Radar receiver/transmitter units with Modification S software installed, there is insufficient tilt range in the ACT mode. As a result, the radar antenna's beam may skim over the tops of weather cells at high altitudes, resulting in possible inaccurate representation of weather conditions ahead of the aircraft. Manual tilt control is not affected.

4. ACTION:

Operators should be familiar with the described issue relating to the use of the Weather Radar System's Altitude Compensation Tilt.

Flight crews are advised to discontinue the use of the ACT function and use manual control to adjust antenna tilt. The Weather Radar System Pilot's Guide (Ref 1.2) and the Volume 2 of the Flight Crew Operating Manual (FCOM) (Ref. 1.3) describe techniques for the use of Manual Tilt Control.

Operators will be updated on this issue by a revision to this AW. Should you have any queries pertaining to this AW or requiring additional information please contact your Bombardier Field Service Representative (FSR) or the Customer Response Center (CRC).