



SERVICE INFORMATION LETTER

SUBJECT: PITOT PROBE INTRODUCTION OF MODEL 0851HT-2

TRANSMITTAL INFORMATION SUMMARY

SUMMARY

This is the initial release of Service Information Letter (SIL) 0851HT-1-22-1 for the 0851HT-1 Pitot Probe. Retrofit 0851HT-1 to 0851HT-2 to improve corrosion resistance. The design will include improved icing performance to meet current FAA TSO-C16B "appendix C, O and D", EASA CS25 appendix C, O and P standards.

NOTE: Refer to Section A. for effectivity.

SERVICE INFORMATION LETTER REVISION HISTORY

REVISION	DATE OF RELEASE
Initial Release	July 20, 2023

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A. Effectivity

The information in this SIL is applicable to all Boeing 737NG and MAX airplanes with Collins model 0851HT-1 pitot probe installed.

UNIT	NOMENCLATURE
0851HT-1	Pitot Probe
0851HT-2	Pitot Probe

B. Applicability

This service information letter applies to all Boeing 737NG and Boeing 737MAX airplane models that use the Collins 0851HT-1 pitot probe part.

C. References

Boeing Fleet Team Digest (FTD) article 737NG-FTD-34-15006
Boeing FTD 737MAX-FTD-34-21005
Boeing 737MAX and Boeing 737NG Aircraft Illustrated Parts Catalog (IPC)

D. Background

Collins is introducing a new pitot probe for the Boeing 737NG/MAX series of aircraft. The 0851HT-2 pitot probe is an evolutionary step of the pitot probe design which includes robust corrosion protection in certain environments and meets the latest regulatory requirements for ice protection.

The 0851HT-2 is designed to support customer operations in high humidity, oceanic regions that may induce more corrosive conditions on the aircraft. The corrosive conditions can also be triggered by high cycle operations where the probe heat is ON during extended ground taxi times.

E. Description

Standard operational heating of the pitot probe combined with corrosive elements in certain environments are known to cause accelerated degradation to the probe. Collins has invested in automated manufacturing and other design details to further improve the quality and performance of the probe. The thermal design and production enhancements result in the 0851HT-2 meeting the latest regulatory requirements and operational safety guidance for all-weather operations and icing environments.

The 0851HT-2 complies with current regulatory requirements for in-flight icing as outlined in FAA TSO-C16B using SAE AS5562 standards. Model 0851HT-2 demonstrates compliant pressure sensing performance in severe in-flight icing environments including ice crystals, supercooled liquid droplets, and mixed phase. This standard is the certification basis for all new aircraft.

Boeing has updated new airplane production requirements for pitot probe icing in alignment with SAE industry standard AS5562, FAA TSO-C16B certification "appendix C, O and D", EASA

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CS25 appendix C. O and P. These requirements exceed the ice crystals concentrations used for initial qualification of pitot probe model 0851HT-1.

This SIL is published to advise Boeing 737NG/MAX aircraft operators about the replacement of existing 0851HT-1 pitot probes with 0851HT-2 pitot probes.

F. Interchangeability

Boeing has certified the new pitot probe model 0851HT-2 for use in all five positions on all 737 NG and MAX model airplanes. The new pitot probe has been incorporated into the Boeing 737 MAX and NG Aircraft Illustrated Parts Catalog (IPC).

In the short term, the 0851HT-2 pitot probe is fully interchangeable and intermixable with the existing 0851HT-1 pitot probes. Operators are encouraged to reference the Boeing documents shown in Section C. of this document for additional details.

The 0851HT-2 will replace the 0851HT-1 for new production aircraft and the 0851HT-1 is planned for discontinuation at a date to be determined.

G. Suggested Operator Action

Operators are encouraged to incorporate the new Model 0851HT-2 pitot probe into their fleet via retrofit. This maximizes benefits for operational dispatchability, cost, and fleet reliability. Coordinate retrofit programs with a Collins Aerospace sales representative or contact Collins directly as indicated in Table 1.

For questions regarding order placement of PN 0851HT-2, please contact the assigned Customer Account Manager, or send an inquiry to the contact identified in Table 1.

Table 1: Required Order Information

Vendor	Collins Aerospace
Cage Code	59885
Contact	0851HT2OrderSupport@collins.com