

Honda Aircraft Company

SERVICE BULLETIN

RECOMMENDED
SB-420-42-019 (Rev C)

TITLE

Navigation - Wet and Contaminated Runway Performance

DESCRIPTION

This service bulletin installs the Wet and Contaminated Airplane Flight Manual (AFM) Supplement and as applicable, the Wet and Contaminated (W&C – sometimes referred to as EASA) Takeoff and Landing Database (TOLD).

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Date of Original Issue:
Jul 15/22

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Date of Revision:
Aug 23/22

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1.0 PLANNING

Revision	Reason for Change
Original Issue (Jul 15/22)	Initial release
Rev. B (Aug 19/22)	Added software series restriction to the effectivity of this service bulletin. If this Service Bulletin was previously complied with, no further action required by operator.
Rev. C (Aug 23/22)	Administrative changes only - typographical error correction. If this Service Bulletin was previously complied with, no further action required by operator.

Effectivity: 42000011 through 42000234 with pre-81 Series software.

Reason

This service bulletin installs the Wet and Contaminated AFM Supplement. Additionally, for aircraft within the effectivity range *with* Garmin 73 Series or 80.9.5 Software, this service bulletin installs the Wet and Contaminated (W&C – sometimes referred to as EASA) Takeoff and Landing Database (TOLD).

NOTE: SB-420-42-019 Navigation - Wet and Contaminated Runway Performance / EASA TOLD is **NOT** compatible with 81 Series or higher software versions.

This Wet and Contaminated AFM supplement provides aircraft performance data for the Honda Model HA-420, fitted with two GE Honda Aero Engines (GHAE) Model HF120 engines, required for EASA Air Operations Part-CAT and recommended for Part-NCC.

This data includes dry runway takeoff performance, which considers the effect of an All Engines Operating (AEO) rejected takeoff, as well as wet and contaminated runway performance.

Data provided is as follows:

Takeoff:

- Dry (with consideration of AEO rejected takeoff)
- Wet
- Standing Water, 0.125 inch (1/8 inch, 3.2 mm)

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-
- Standing Water, 0.250 inch (1/4 inch, 6.4 mm)
 - Slush / Wet Snow
 - Dry Snow / Compacted Snow

Landing:

- Dry
- Wet
- Standing Water, 0.125 inch (1/8 inch, 3.2 mm)
- Standing Water, 0.250 inch (1/4 inch, 6.4 mm)
- Slush / Wet Snow
- Dry Snow / Compacted Snow

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Compliance time

Honda Aircraft Company considers this bulletin recommended. It should be complied with at the next maintenance interval or within 24 months of the effective date of this bulletin, whichever occurs first.

Approvals

The technical information or instructions in this document are based on Honda Aircraft Company engineering and is approved/accepted by the appropriate regulatory authorities.

If your airplane is registered in a country other than the United States, consult your local regulatory authorities before accomplishing this bulletin.

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Commercial Terms and Job Planning

Labor Allowance : No Coverage

For planning purposes ONLY:

- Estimated hours for installing the AFM Supplement and to load the TOLD database: Up to 1.0 hours
- Suggested number of people for the job: 1

Part Allowance : Refer to table entitled "Required Parts."

**Table 1
Coverage Table**

	All Applicable Aircraft
Labor	None
Parts	Yes

**Table 2
Deadline to Obtain Coverage**

	All Applicable Aircraft
Labor	Not Applicable
Parts	July 31, 2024

How to Obtain Coverage : File a claim for coverage by logging into <https://hondajetconnect.com>

NOTE: **The Service Bulletin Compliance Form must be attached to the claim to receive proper reimbursement.**

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Weight/Balance

None.

References

- Aircraft Maintenance Manual HJ1-29000-011-001
- Airplane Flight Manual Supplement HJ1-29000-003-027
- Airplane Flight Manual Supplement HJ1-29001-003-027
- Airplane Flight Manual Supplement HJ1-29004-003-027

Affected Manuals

- Airplane Flight Manual HJ1-29000-003-001
- Airplane Flight Manual HJ1-29001-003-001
- Airplane Flight Manual HJ1-29004-003-001

2.0 MATERIAL REQUIREMENTS

Tools/Tooling

None.

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Parts

Table 3
Required Parts

Part Number	Description	Effectivity	Quantity Per Airplane	Replaces
HJ1-29000-003-027 Rev B or later	AFM Supplement - Wet and Contaminated Runway Performance	42000012 - 42000125	1	-
HJ1-29001-003-027 Rev B or later	AFM Supplement - Wet and Contaminated Runway Performance	42000011, 42000126 - 42000206, and 42000012 - 42000125 with SB-420-55-001	1	-
HJ1-29004-003-027 Original Release or later	AFM Supplement - Wet and Contaminated Runway Performance	42000207 - 42000234, and 42000126 - 42000206 with SB-420-42-016	1	-

Reidentified Parts

None.

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3.0 ACCOMPLISHMENT INSTRUCTIONS

This service bulletin shall be accomplished as follows:

WARNING: WHENEVER ANY PART OF A SYSTEM IS DISMANTLED, ADJUSTED, REPAIRED OR RENEWED, DETAILED INVESTIGATION MUST BE MADE ON COMPLETION TO MAKE SURE THAT DISTORTION, TOOLS, RAGS OR ANY OTHER LOOSE ARTICLES ARE NOT PRESENT.

- (1) Do the Make the Airplane Safe for Maintenance procedure (Ref. AMM 20-00-01-910-801).
- (2) Install Airplane Flight Manual (AFM) supplement HJ1-29000-003-027 Rev B or later, HJ1-29001-003-027 Rev B or later, or HJ1-29004-003-027 Original Release or later - as applicable - to the AFM.

NOTE: For Garmin 72 Series software and below, the Garmin selectable option is not available. The paper copy of the AFM supplement HJ1-29000-003-027 Rev B or later or HJ1-29001-003-027 Rev B or later, as appropriate, will be provided only. The Garmin system will not have the function to select contaminated runways and will not calculate in the Garmin navigation.

- (a) For aircraft operating with Garmin 72 series software and below proceed to Step 3.0 (6).
- (b) For aircraft operating with Garmin 73 Series or 80.9.5 software proceed to Step 3.0 (3).

- (3) Install the Garmin 73 Series or 80.9.5 software loader card in the upper slot of #1 PFD.
- (4) Load the HA420 EASA TOLD database option for aircraft 42000011 - 42000125 per AMM 31-61-00-910-801 (3) and for aircraft 42000126 - 42000234 per AMM 31-61-00-910-802 (3).

NOTE: This will replace the Baseline (FAA) TOLD tables.

NOTE: When loading the HA420 EASA TOLD Database option, ensure that the software checkbox is selected for the TOLD Tables GTC1 and TOLD Tables GTC2 line items. This will ensure TOLD tables are loaded even though the EASA TOLD tables have the same version number as the FAA Baseline TOLD tables.

- (5) Verify the TOLD table loaded by gaining access to the Takeoff Data Control page and review the Runway Surface tab under the Weather Surface tab.
 - (a) Ensure that contaminated runway surfaces (e.g. Standing Water .125") are selectable as Runway Surface.

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- (6) Submit the compliance form of this service bulletin to Honda Aircraft Company Technical Support at hjtechsupport@haci.honda.com, FAX 336-554-8310 or mail to: Honda Aircraft Company Technical Support, 6420 Ballinger Rd, Greensboro, NC 27410.

4.0 FIGURES

None.

5.0 AIRCRAFT RECORDS

Update airplane maintenance records as necessary.

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COMPLIANCE FORM

FOR SERVICE BULLETIN SB-420-42-019 (C)

NOTE: Submit this form to Honda Aircraft Company Technical Support at hjtechsupport@haci.honda.com, FAX 336-554-8310 or mail to: Honda Aircraft Company Technical Support, 6420 Ballinger Rd, Greensboro, NC 27410.

- ORGANIZATION:
- APPROVAL:
- DATE:
- COMMENTS:

AIRPLANE DATA

AIRPLANE SERIAL NUMBER	
AIRPLANE REGISTRATION NUMBER	
HOURS OF OPERATION - AIRPLANE	
NUMBER OF LANDINGS	
HOURS OF OPERATION - RIGHT ENGINE	
HOURS OF OPERATION - LEFT ENGINE	