HEAD UNIT NBT EVO (HU-H2) PROGRAMMING ABORT

This Service Information Bulletin (Revision 1) replaces SI B65 14 19 **dated May 2019**.

What's New(Specific text highlighted):
- Correction – ABL recommendation added
- Procedure – ABL recommendation added

MODEL

F06 (6 Series Gran Coupe)	F16 (X6 Sports Activity Coupe)	F22 (2 Series Coupe)	F23 (2 Series Convertible)
F31 (3 Series Sport Wagon)	F32 (4 Series Coupe)	F33 (4 Series Convertible)	F34 (3 Series Gran Turismo)
F36 (4 Series Gran Coupe)	F39 (X2 Sports Activity Coupe)	F48 (X1 sDrive 28i or xDrive 28i)	F82 (M4 Coupe)
F83 (M4 Convertible)	F86 (X6 M SAC)	F87 (M2 Coupe)	F90 (M5 Sedan)
G01 (X3 Sports Activity Vehicle)	G02 (X4 Sports Activity Coupe)	G12 (7 Series Sedan)	G30 (5 Series Sedan)
G32 (6 Series Gran Turismo)	I01 (i3 & i3 REx)	I12 (i8 Coupe)	I15 (i8 Roadster)

Only vehicles produced from 11/1/2018 to 5/1/2019 equipped with NBT EVO Head Unit (Option 609 Navigation System Professional)

SITUATION

During programming, several aborts can occur in the head unit NBT EVO (HU-H2):

- The CID screen may light up blue when this occurs
- A battery reset is not successful in restoring head unit operation

CAUSE

Software error in the Bootloader file (BTLD) of the head unit.

CORRECTION

Run the programming Special Measure Service Function that comes up in the measures plan.

If the ABL Test Plan is not available in programming, use ISTA to run the ABL.

If the ABL does not restore operation, an additional two-step process will be required to restore head unit operation:

- First set vehicle up for IRAP so the BTLD file can be rewritten into the head unit.
- Then after IRAP, connect again to ISTA, if head unit is not on measures plan then manually select it for programming. Then allow ISTA to finish the programming.

PROCEDURE

Run the programming Special Measure Service Function "Programming abort in the head unit" that comes up in the measures plan after the Head Unit fails programming. Follow the special on screen prompts.

If the ABL Test Plan is not available in programming, use ISTA to run the ABL. This ABL test plan can also be found:

- Function Structure
- Body
- Audio, video, navigation, Telephone (MOST ring)
- Current fault patterns
- Programming abort in the head unit

If the ABL does not restore operation, the vehicle is equipped with option 609 Navigation, and the vehicle is produced after 11/1/2018- submit a TSARA case for IRAP support

Always connect a BMW-approved battery charger/power supply (SI B04 23 10) **when performing programming.**

The IRAP team will flash the head unit with a revised BTLD file.

After the IRAP session, connect vehicle to ISTA 4.17.1x or higher, and complete the programming.
For information on programming and coding with ISTA, refer to:

- CenterNet
- TIS
- Technical Documentation
- Programming and Diagnostics
- Programming Documentation

WARRANTY INFORMATION
Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Vehicle is already in the Workshop

Defect Code:	Refer to AIR	Defect Code that applies to the covered repair work which necessitated this additional work procedure below to be performed
Labor Operation:	**Labor Allowance:**	**Description:**
61 00 731	Refer to AIR	Additional work after 1st termination when programming/encoding (with job item no. 61 00 730)

Or, the:

Vehicle Returns

Defect Code:	6512580200	Headunit High (HU-H) (Professional NAV) software error / internal equipment fault
Labor Operation:	**Labor Allowance:**	**Description:**
00 00 006	Refer to AIR	Performing vehicle test (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to AIR	Performing vehicle test (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to AIR	Connect an approved battery charger/power supply (indicated in AIR as Charging battery)
And:		
61 00 730	Refer to AIR	Programming/encoding control unit(s)

And, additionally for the:

e-Vehicles

Labor Operation:	Labor Allowance:	Description:
61 25 910	Refer to AIR	Recharging high-voltage battery unit (to high voltage charging socket)

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006.

Refer to AIR for the corresponding flat rate unit (FRU) allowances.

During the same workshop visit, if a vehicle also requires another Technical Campaign or repair that also includes programming and encoding the control units, the programming procedure may only be invoiced one time.

Programming and Encoding - Vehicle Control Units

The programming procedure automatically reprograms and encodes all vehicle control modules which do not have the latest software i-level. If one or more control module failures occur during this programming procedure:

Please claim this consequential control module-related repair work under the defect code listed in this bulletin with the applicable AIR labor operations.
Please explain this additional work (The why and what) on the repair order and in the claim comments section.

For control module failures that occurred prior to performing this programming procedure:

When covered under an applicable limited warranty, claim this control module-related repair work using the applicable defect code and labor operations (including diagnosis) in AIR.