



## HEAD UNIT NBT EVO (HU-H2) PROGRAMMING ABORT

### 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

This will require a two-step process 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

If head unit fails programming, and the vehicle has option 609 Navigation, and the vehicle is produced after 11/1/2018, then 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 BTL D 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**

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

Or, the:

### **Vehicle Returns**

<b>Defect Code:</b>	<b>6512580200</b>	<b>Headunit High (HU-H) (Professional NAV) software error / internal equipment fault</b>
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
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**

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
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.