

BMW Data Repair Function

1 Data Repair

- Supports modification of ISN , VIN and frequency in the CAS data
- Supports modification of ISN ,VIN in ECU data of N13, N20, N55 and B38 engine ECU.

The corresponding data type must be manually selected to modify the corresponding data, otherwise an error will be reported.

The screenshot shows the BMW Data Repair software interface. The window title is "BMW Data Repair" and the version is "Feature version:0007". The interface includes several input fields and buttons:

- Mileage:** A text input field.
- Data Type:** A dropdown menu currently set to "CAS1". The dropdown list shows options: CAS1, CAS2, CAS3, CAS4, N13, N20, N55, and B38.
- Remote Rate:** A text input field.
- VIN:** A text input field.
- ISN:** A text input field.
- Buttons:** "Load Data", "Save Data", "Modify Rate", "Modify VIN", and "Modify ISN" are located on the right side of the interface.
- Calculate Section:** Located at the bottom, it includes a "Calculate" label, three radio buttons for "DME_ISN" (selected), "EWS_ISN", and "KEY_CODE", each followed by a text input field, and a "Calculate" button.

- How to know whether CAS data is encrypted? First, Use CGpro read CAS data.(CGDI BMW can read CAS4 CAS4+ data)

CAS1 CAS2 CAS3 CAS4 Modify Data

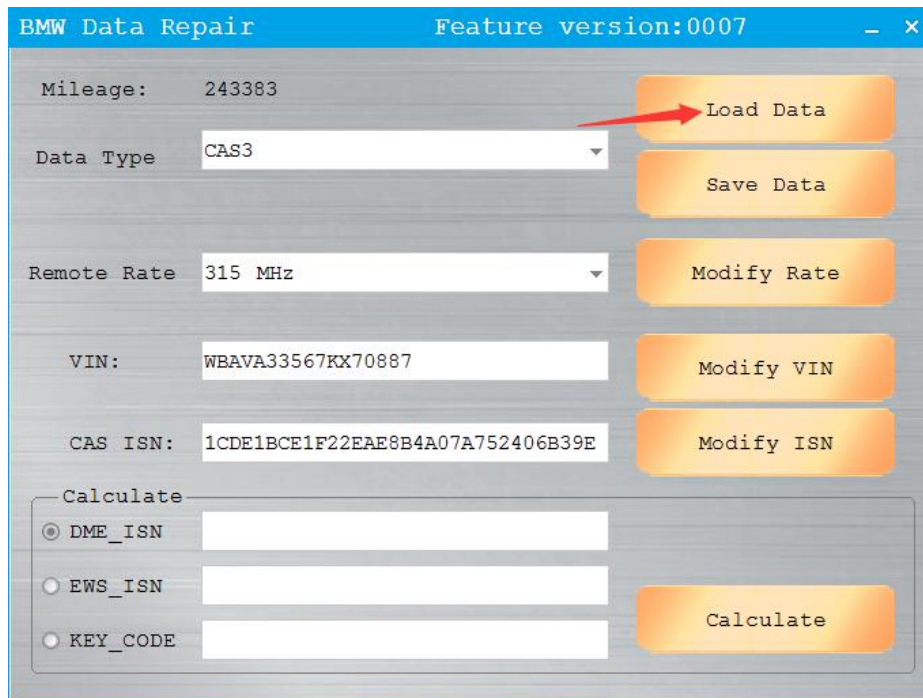
CAS1 CAS2 CAS3 CAS4

The CAS data is not encrypted, the CAS ISN and ECU ISN are the same in the CAS data.

How to replace CAS data?

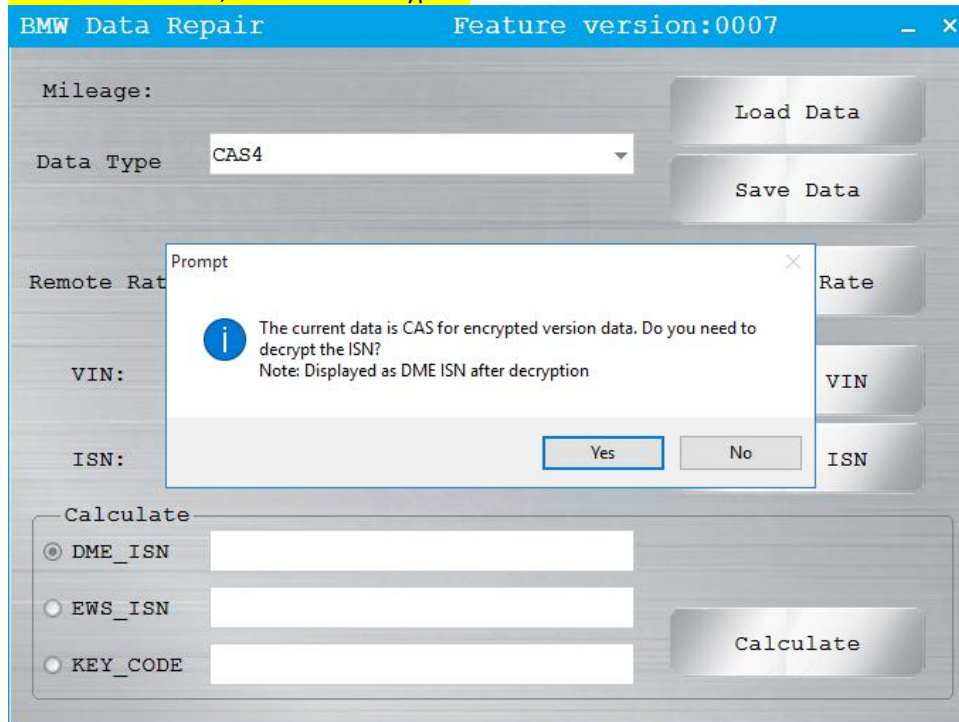
In the case your CAS data is corrupted , you will need to find donor dump from an identical vehicle, then you will need to change the VIN and ISN in donor cas dump.

Remember to add key again

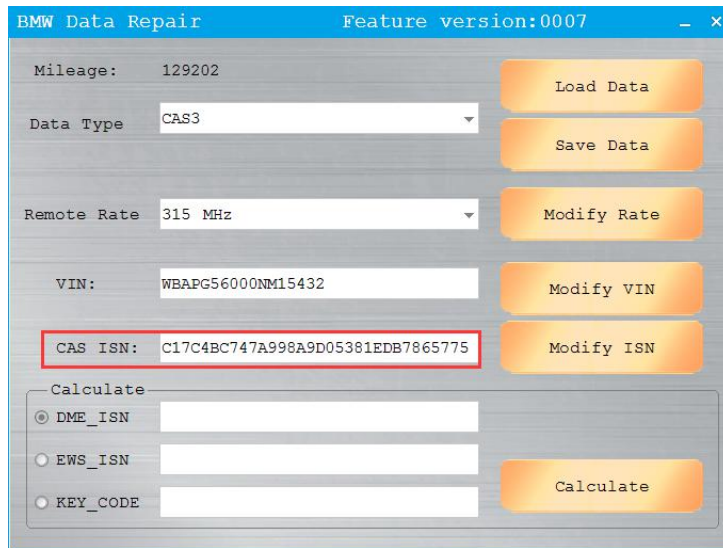


CAS3+ CAS4+ modify data

CAS3+ and CAS4+ ,The data is encrypted



Click "No" will show you CAS ISN

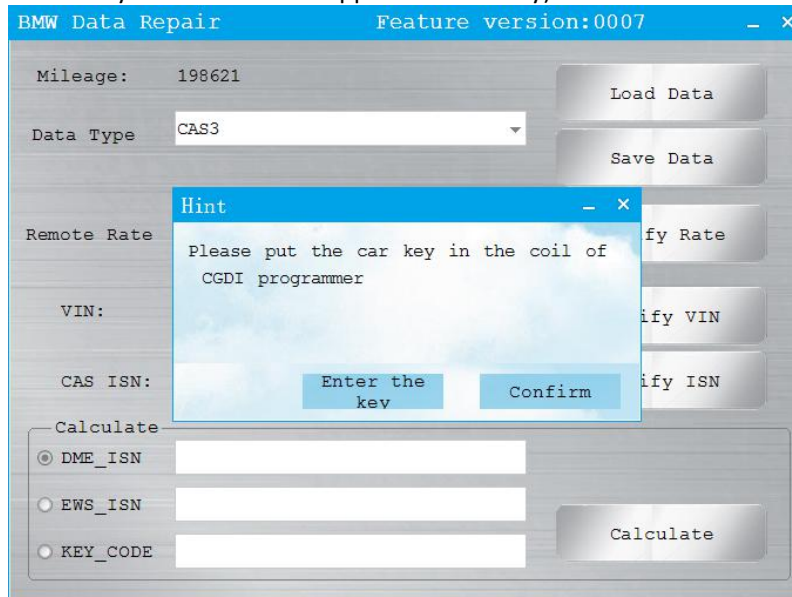


The screenshot shows the BMW Data Repair software interface. The title bar reads "BMW Data Repair" and "Feature version:0007". The interface includes several input fields and buttons:

- Mileage: 129202
- Data Type: CAS3
- Remote Rate: 315 MHz
- VIN: WBAPG56000NM15432
- CAS ISN: C17C4BC747A998A9D05381EDB7865775 (highlighted with a red box)
- Buttons: Load Data, Save Data, Modify Rate, Modify VIN, Modify ISN, Calculate
- Calculate section: DME_ISN, EWS_ISN, KEY_CODE

Click "YES" will show you ECU ISN

You will be asked to **place the key** of the original car into the CGDI coil. At this point, the car key of the data itself should be put in . (car A data puts car A key, car B data puts car B key). Or **enter the corresponding key synchronization code** (if the key synchronization code is entered incorrectly and the ECU ISN appears incorrectly)

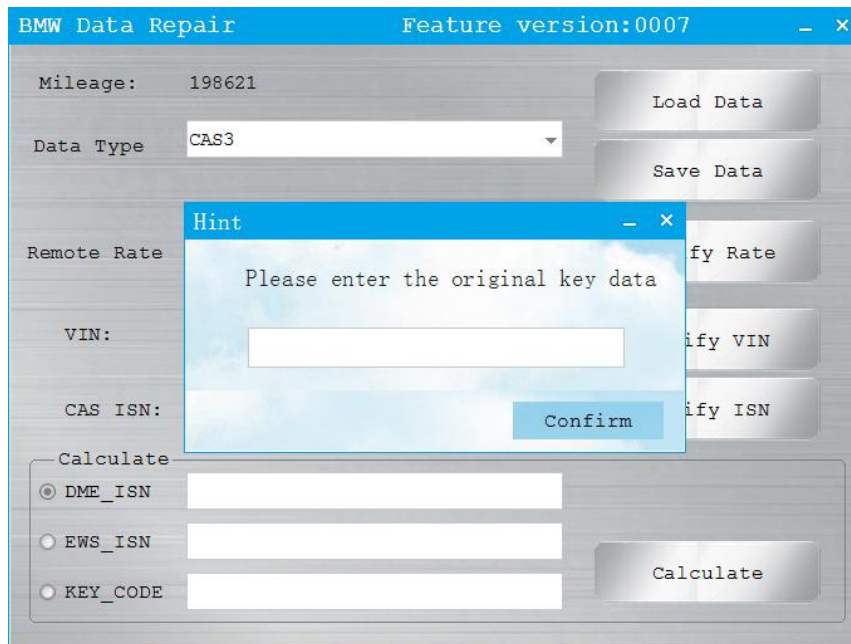


The screenshot shows the BMW Data Repair software interface with a "Hint" dialog box overlaid. The dialog box contains the following text:

Hint
Please put the car key in the coil of CGDI programmer

Buttons: Enter the key, Confirm

The background interface shows the same fields as the previous screenshot, but with a different Mileage value (198621) and a greyed-out "Calculate" button.



How to replace encrypted CAS data?

In the case your CAS data is corrupted , you will your DME ISN and you will need to find donor dump from an identical vehicle, then you will need to change the VIN and ISN in donor cas dump. write DME ISN to the donor dump, and then change the data as car A at the same frequency and the VIN.

- After loading the donor dump, click "No" , and then write the original DME ISN to the location of CAS ISN. Then modify frequency and VIN same as car A. Save data, Write it to car A. Remember to add dealer key again

N13 N20 N55 B38 modify data

Load data, can not modify the frequency, other can be modified normally.After modification, save the data.

BMW Data Repair Feature version:0007

Mileage: Load Data

Data Type: N20 Save Data

Remote Rate: --- Modify Rate

VIN: LBV5S3102GSM62149 Modify VIN

DME ISN: 5466D6025C6C4E6C5BAA6A55270B82E8 Modify ISN

Calculate

DME_ISN

EWS_ISN

KEY_CODE Calculate

2 Check if the data is incorrect

You can load the data in and the wrong place will show up

BMW Data Repair Feature version:0007

Mileage: 0 Load Data

Data Type: CAS2 Save Data

Remote Rate: 315 MHz Modify Rate

VIN: 價敬20050118?□□a Modify VIN

CAS ISN: FFFF Modify ISN

Calculate

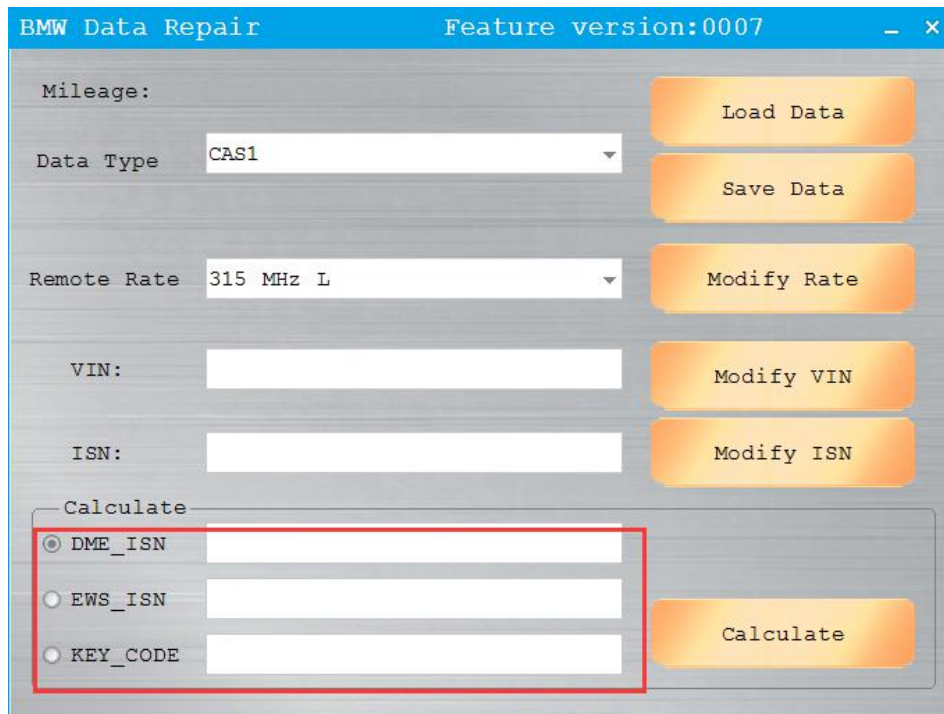
DME_ISN

EWS_ISN

KEY_CODE Calculate

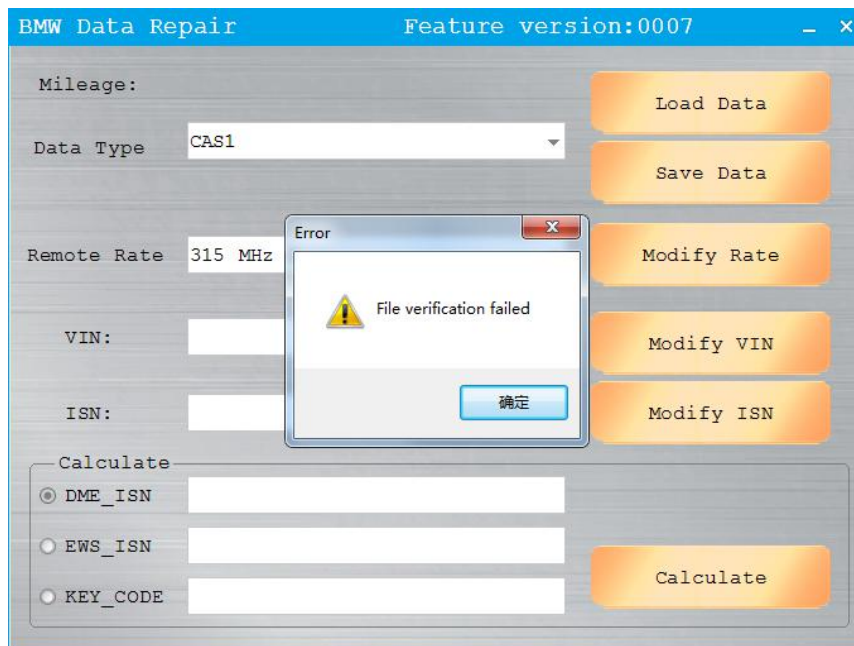
3 Calculate DME ISN, CAS ISN and Key code

Supports CAS4+ FEM BDC version and calculates a third data based on two data sets



4 Error report

a An error is reported when the loaded data and the selected data type are inconsistent



b An error is reported when the loaded flash data

