

Injectronics

Remanufactured Automotive Electronics Components

PRODUCT SERVICE INFORMATION

Document number: P0036

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Vehicle: Ford BF

Subject: BEM Key programming & parameter reset

The procedure stated below will learn key(s) to a replacement BEM and also perform a parameter reset with the PCM. Please have all the keys available before starting the procedure.

Please Note: If any extra keys need to be learnt at later stage, the whole procedure will need to be repeated, including the PCM parameter reset (which will also require a new in-code).

A minimum of 2 keys are required to program to BEM otherwise BEM will set a trouble code "B1213-Anti theft keys programmed is less than minimum", however the system will still function as normal even with 1 key.

The key transponders are rolling code type so once a key is matched to a new BEM, the keys won't work with the old BEM.

Unlike the Ford BA PCM or older Ford PCM's which requires 10 minutes security wait for a PCM parameter reset, Ford BF PCM and later PCM will require a security in-code to perform a parameter reset.

When the parameter reset function is selected on the scantool, it will give you a security out-code, and this out-code will be used to generate a valid in-code. Once the in-code is used, the out-code will roll on to a different code and the previous in-code will become invalid.

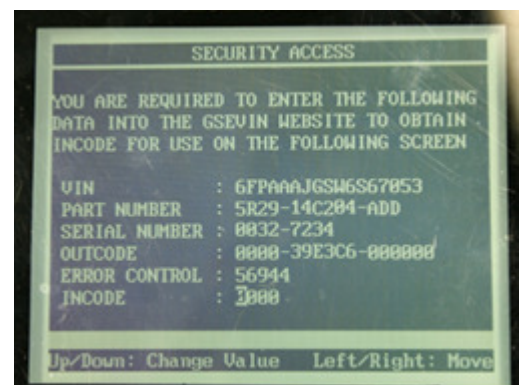
A Scantool with a programming function for Ford will be required e.g. Hanatech multiscan or G-scan etc.

In the procedure below, a Hanatech Multiscan was used but the procedure will be similar for other generic scantools.

Procedure is stated below:

- Have all the keys ready along with remote key fob for programming.
- From the Hanatech menu, select "Enhanced Scan" -> "Australian" -> "Ford -Australia"-> "Diagnostics" -> "Falcon" -> "BF"
- Security programming menu is available in the "Powertrain" section, but in other scantools it could be in "BEM" section also.
- Select "Powertrain" and if communication is ok another menu will display
- Now select "Security" and read the disclaimer, then enter scantool's last 4 digit code and continue.
- Select "Keycode erase" and follow the prompts carefully
- Once finished matching keys go back to the previous menu.
- Now select "Parameter reset" and follow the prompts.
- Screen shown below will display all the information required for your in-code request.
- Enter the valid in-code to continue and follow the prompt.
- The door locks will cycle to indicate a successful operation.

Note: Injectronics can supply in-codes over the phone provided a valid out-code can be supplied (see diagram).



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