

FOBFIX FORD 2018+ KEY PROGRAMMER



FORD 2018+ KEY PROGRAMMER

V1.0 - 01/03/2024

Thank you for purchasing your Fobfix 2018+ ford key programming tool. This tool can be used to add existing or new remote keys, fixed blade keys or proximity keys with the correct transponder fitted (late model Ford ID49).

For trouble free operation of your tool, please read this short user guide fully before attempting to use the tool.

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IMPORTANT

In order to maintain proper operating circumstances, we **ALWAYS** recommend a battery support unit or additional 12v power source be used to support the main vehicle battery.

To use the programmer for bladed keys, the ignition of the vehicle **MUST** be turned to position II and the hazard warning lights must be ON. This can be with either an already programmed key or a new one that you wish to add. Failure to have the ignition at position II will result in the tool reporting a single red flash and an error tone to indicate a lack of comms.

To use the programmer for Proximity keys, the ignition must remain OFF and the hazard warning lights turned ON.

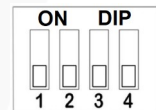
If the tool is used to delete all keys, the vehicle requires at least 2 valid keys programmed before it will start. Bearing this in mind, we suggest you always attempt to use the add key mode first. Being able to add a spare key will prove the vehicles immobiliser system is fully operational and only then should the delete key mode be used.

The programmer is a small OBD plug. It has a multicolour indicator LED and internal beeper to provide visual and audible feedback. It also has a set of DIP switches to select one of the 3 operating modes.

The Fiesta MK8 OBD port can be found here, just under the dash by the drivers right knee. Simply pull off the cap marked "OBD" to access the port. Other models may differ but are usually in the same spot.



MODE 1—CHECK NUMBER OF PROGRAMMED KEYS



For a bladed key, turn your ignition to position II. At this point your dash should be lit. Turn on your hazard warning lights.

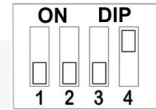
For a Proximity key, the ignition remains OFF. Turn on your hazard warning lights

Plug the tool in to the vehicles OBD connector with all DIP switches set to OFF. The LED on the tool will light up RED/GREEN/BLUE and you will hear 3 ascending tones to indicate it is powered.

After approximately 5 seconds, the LED on the tool will flash GREEN and beep a number of times corresponding to the number of keys currently programmed to the vehicle. The tool will flash RED /beep 5 times if there are zero keys programmed (if you have previously deleted all keys .

The tool will then light up again RED/GREEN/BLUE and you will hear 3 descending tones to indicate the process has finished.

MODE 2 — ADD KEYS



For a bladed key, turn your ignition ON with the key you wish to add to position II. At this point your dash should be lit. Turn on your hazard warning lights.

For a Proximity key, the ignition remains OFF. Place the proximity key you wish to add in the emergency key receptacle (in the con tray under the radio). Turn on your hazard warning lights

Plug the tool in to the vehicles OBD connector with DIP switch 4 ON.

The LED on the tool will light up RED/GREEN/BLUE and you will hear 3 ascending tones to indicate it is powered. You will then hear another high beep and see a BLUE flash. At this point the tool is in 'add key mode'.

The LED on the tool will light GREEN as it sends commands to the vehicle. Periodically it will "Chirp" and flash the LED as it performs the programming procedure. After approximately 3-4 minutes the tool will eventually light RED for 10-15 seconds as it writes data to the vehicle. At this point it is important that you DO NOT remove the tool or perform anything such as turning on the radio / lights or opening the door.

You will then hear high beep and see a BLUE flash. At this point, if using a bladed key you should cycle the key in the ignition (From position II to off and back to position II). If using a proximity key, you don't need to do anything.

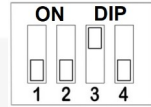
After 10 more seconds the vehicle should indicate on the dash and cycle the locks to signify that a key has been programmed.

The tool will then light GREEN and then again light RED as it restores the vehicles ECU back to its original state.

The LED on the tool will flash GREEN and beep a number of times corresponding to the number of keys now programmed to the vehicle. If the procedure has succeeded, this number will be +1 to the number of currently programmed keys.

The tool will then light up RED/GREEN/BLUE and you will hear 3 descending tones to indicate the process has finished.

MODE 3 — DELETE KEYS



For a bladed key, turn your ignition ON with any key to position II. At this point your dash should be lit. Turn on your hazard warning lights.

For a Proximity key, the ignition remains OFF and just turn on your hazard warning lights

Plug the tool in to the vehicles OBD connector with DIP switch 3 ON.

The LED on the tool will light up RED/GREEN/BLUE and you will hear 3 ascending tones to indicate it is powered. You will then hear another high beep and see a BLUE flash. At this point the tool is in 'add key mode'.

The LED on the tool will light GREEN as it sends commands to the vehicle. Periodically it will "Chirp" and flash the LED as it performs the programming procedure. After approximately 3-4 minutes the tool will eventually light RED for 10-15 seconds as it writes data to the vehicle. At this point it is important that you DO NOT remove the tool or perform anything such as turning on the radio / lights or opening the door.

You will then hear high beep and see a BLUE flash. At this point, if using a bladed key you should cycle the key in the ignition (From position II to off and back to position II). If using a proximity key, you don't need to do anything.

The tool will then light GREEN and then again light RED as it restores the vehicles ECU back to its original state.

If the procedure has succeeded, the tool will flash RED and beep 5 times to indicate the number of currently programmed keys is zero.

The tool will then light up RED/GREEN/BLUE and you will hear 3 descending tones to indicate the process has finished.

ERROR CODES

The unit incorporates a number of internal checks to make sure the key programming sequence can be performed successfully. If at any of these checks fail, you the user will be notified by a HIGH/LOW tone and a red flash of the LED.

The number of HIGH/LOW tones and flashes corresponds to the error in the following table and can be used to diagnose issues. If you repeatedly encounter the same issue, please contact us and we will attempt to help wherever possible.

ERROR NUMBER	DESCRIPTION	FIX
1	Cannot access OBD comms (no response to VIN request).	Check OBD plug is fully is connected and hazards are ON. Check vehicles OBD fuse.
2	Unsupported Body Control Module version.	Check vehicle isn't pre 2018 model. Contact Fobfix.
3	Vehicle voltage is below 12V	Charge vehicle battery or attach suitable additional 12v supply.
4	Unable to locate patchable data in Body Control Module software.	Possible new or unsupported BCM software version. Contact Fobfix.