Activating Cruise Control on a Ford Fiesta Mk7.5 (Facelift)

Note: For those of you wanting to activate other functions and have no interest in fitting cruise control skip to sub-chapter 2.1 If you are here to activate cruise control i would also go to sub-chapter 2.1 and make a forscan forum account as it can take a day for you to be accepted.

Parts needed: 1. T20 screwdriver.
2. T10 Screwdriver.
3. 10mm socket wrench/socket wrench screwdriver.
4. ELM327 OBD2 (https://ebay.to/2PhGqNs).
5. Long thin screwdriver.
6. Trim removal tools (https://ebay.to/2KQwREp).
7. New buttons with silver trim and wiring loom (purchase off facebook groups such as http://bit.ly/2FYdUkB, http://bit.ly/2zDYoos, gumtree, ebay etc.) You can also get some from aliexpress if you don't care about OEM parts (http://s.click.aliexpress.com/e/iXvSJZQ).
8. A PC with windows operating system.




Note: You should purchase your new steering wheel controls that look like the left photo with the wiring present, If the middle button on the volume controls has a face on it like in the right photo then the controls will light up blue, if it has a capital M then they will light up red, both will offer the same functionality.

Chapter 1: Fitting the controls
- 1.1: Checking compatibility
- 1.2: Disconnecting the battery
- 1.3: Removing the airbag
- 1.4: Changing over the controls
- 1.5: Refitting of the airbag

Chapter 2: Activating cruise control
2.1: Downloading FORScan
2.2: Activating cruise control (and other options if wanted and necessary parts are fitted i.e. Power-fold Mirrors)

Chapter 3: Using cruise control

Chapter 1: Fitting the controls

1.1 Checking compatibility

Parts Needed: T20 Screwdriver, Trim Removal Tools

Step 1: Remove the screw holding the bottom plastic trim piece (see image 1.11)



Image 1.11: Lower trim retaining screw

Step 2: Remove the two screws behind the steering wheel, you will have to turn the wheel about 70 degrees either way to gain access (see image 1.12).

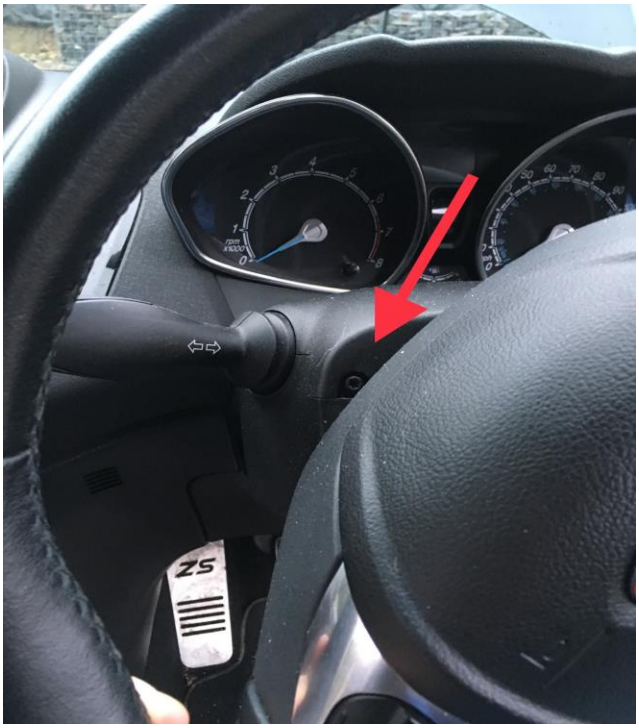
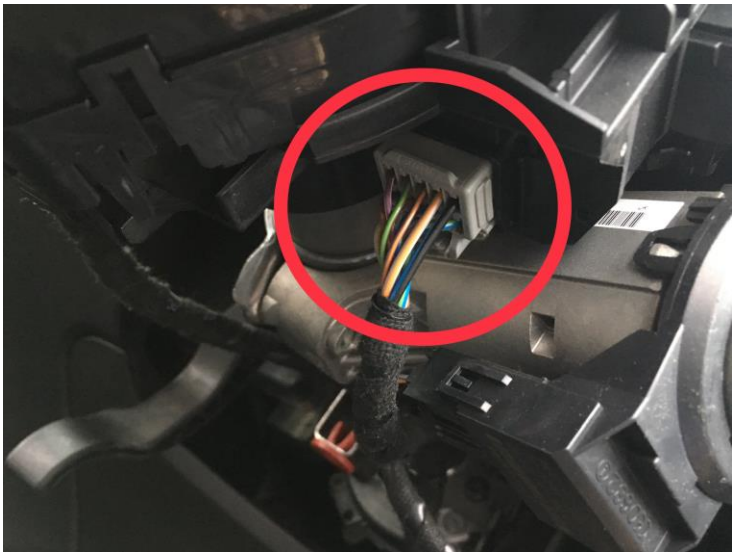


Image 1.12: Upper trim retaining screws

Helpful note:If the steering locks up and is unable to turn at any point put your key in and turn whilst jiggling your steering wheel back and forth and it should free up.

Step 3: Pry apart the two bits of trim using the trim removal tool, the bottom piece sometimes needs pulling outwards before it can be pulled down. When they are removed under the steering column you will see this module (see image 1.13), if it has 9 wires going into it you are compatible, if it only has 7 you are unfortunately not compatible.


Image 1.13 Steering column wires

Helpful note: If you've already bought the steering wheel controls and are compatible then leave the trim pieces off for the next steps.

1.2 Disconnecting the battery

Parts Needed: 10mm Socket Wrench/Socket Wrench Screwdriver

Step 1: Using your 10mm Socket Wrench disconnect the negative terminal first, this is the one not covered by the red plastic cover, once disconnected make sure it is not touching anything, i use cardboard to rest it on (see image 1.21) and if you wanted to close your bonnet whilst you wait for the charge left in the system to dissipate place something over the terminals as well so it doesn't touch your bonnet. After the negative terminal is disconnected disconnect the positive terminal and repeat the process of making sure it isn't touching anything.



Image 1.21: Battery Terminals

1.3 Removing the airbag

Parts Needed: T20 Screwdriver, Long Thin Screwdriver

IMPORTANT NOTE: Wait at least 30 minutes after disconnecting the battery before attempting any work on or around the airbag!

Step 1: Remove the plastic trim above and below the steering column as shown in sub chapter 1.1 if you haven't already and turn the steering wheel to about 70 degrees to the left (see image 1.31)



Image 1.31: Steering wheel angle for removal of airbag

Step 2: With the steering wheel at this angle looking at the wheel from below you will see an access hole (see image 1.32).



Image 1.32 Airbag access hole

In this access hole positioned towards the outer side of the steering wheel is a pin that with your long thin screwdriver you are going to lift up until you can no longer see it towards the inner side of the access hole (see image 1.33)



Image 1.33: Airbag retaining pin

Once the pin is out of sight towards the inside of the steering wheel one side of the airbag will either pop out by itself or may require a bit of persuasion by pulling (do not let the pin fall back down whilst pulling), once one side has popped out turn the wheel so the other access hole is in the same position and repeat, this may also pop out easily, if

not it usually requires some jiggling from side to side whilst pulling. This bit can be fiddly so take your time.

Step 3: Once the airbag is out it will look like this (see image 1.34), remove the three parts labelled, the circled connection just unclips when squeezed at the sides and the two other connectors pull off, if they are too tight try and loosen them a tiny bit with your screwdriver but do not over do it so as to damage the connectors.



Image 1.34: Airbag with connectors

Place the airbag to one side.

1.4 Changing over the controls

Parts Needed: T20 Screwdriver, T10 Screwdriver, New controls

Step 1: Remove the T20 screw (see image 1.41) with a T20 screwdriver, then remove the big white connector, this requires the top bit be pushed down whilst pulling out, the wiring loom should now be loose.

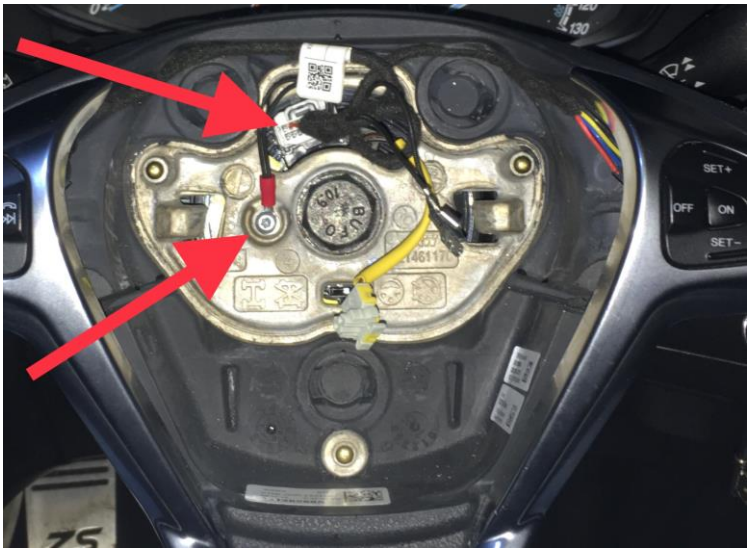


Image 1.41: Wiring loom removal

Step 2: On the back side of the steering wheel there are three T10 screws holding in the silver trim, two directly behind the controls and one at the bottom, remove these and the trim will pull loose with just your hands.

Step 3: Put the new controls in the same way you took the old ones out and screw the three T10 screws back into place, plug the large white connector into the wheel and screw the T20 screw back on tight. Around the top of the steering wheel are some runs cut into the wheel for wires to route around (indicated by the red lines on image 1.42), push the wires coming from either side controls into these to keep them out of the way (see image 1.42)


Image 1.42: Route for wires

1.5 Refitting the airbag

Parts Needed: Pliers (only needed if you had to loosen the two connecters on the airbag earlier)

Part 1: Reconnect the connectors to the back of the airbag, pop the yellow connector back in along with the two slide on connectors (see image 1.34), if they are loose because you had to loosen them earlier squeeze them tight with some pliers so they do not easily come off.

Part 2: Make sure all the wires are tucked up to the middle centre of the steering wheel as much as possible and aren't blocking anything and push the airbag back in so the protruding springs go into the rubber holes, make sure the airbag sits flush with the wheel (see image 1.51)



Image 1.51: Airbag after reinstallation

If the airbag is not flush with the wheel push it with considerable force and it should go in, if not there may be some wires blocking it and you'll have to take the airbag back off and check, if it isn't flush you may have a horn that is constantly stuck on so make sure it's flush before reconnecting the battery, don't be afraid to give it a good whack.

Part 3: You can now reconnect the battery, positive terminal first then negative and tighten the nuts.

Chapter 2: Activating cruise control

2.1 Downloading FORScan

Parts needed: A portable computer with windows

Part 1: Head to https://forscan.org/download.html and click the fifth link down labelled as “beta for windows” and open the setup once it has finished downloading. Once you’ve set FORScan up open it and on the menu on the left click the bottom selection , you should see a Hardware ID. Now head over to https://forscan.org/forum/extlic.php, create an account and login (It may take a day or so for you to be accepted onto the forum) and then input your information and in the box labelled Hardware ID paste in the Hardware ID shown on your FORScan. On the next page click download on the right hand side.

Once you have downloaded the activation key proceed back to the  section of forscan and click “Load licence key” and find and open the activation key file, FORScan should restart. Now on the  menu it should show you have an extended licence and when it is valid until.

2.2 Activating Cruise Control

Parts Needed: The portable computer from the previous step, ELM 327 OBD2 cable

For the ELM cable linked at the top of the guide HS is where the switch is facing away from the cable (shown in image 2.21 and 2.22), if you get it wrong it just won't scan and you'll have to do it again, no harm will be done.



Image 2.21: HS



Image 2.22:MS

Part 1: Open the small compartment by your right knee and squeeze the sides in to allow it to fully come down (see images 2.23 and 2.24) to gain access to the OBD port and plug in your ELM cable into the OBD port and the other end into your pc (usually the ELM cable comes with a CD to install the drivers so it'll work, if not your pc will usually ask if you want it to search for some.

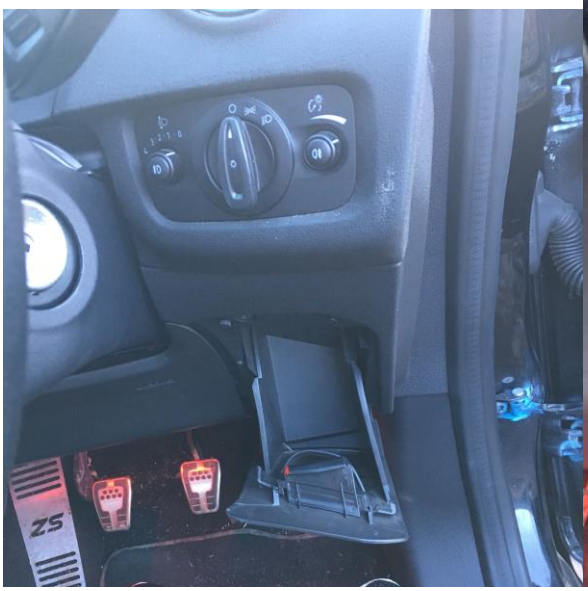
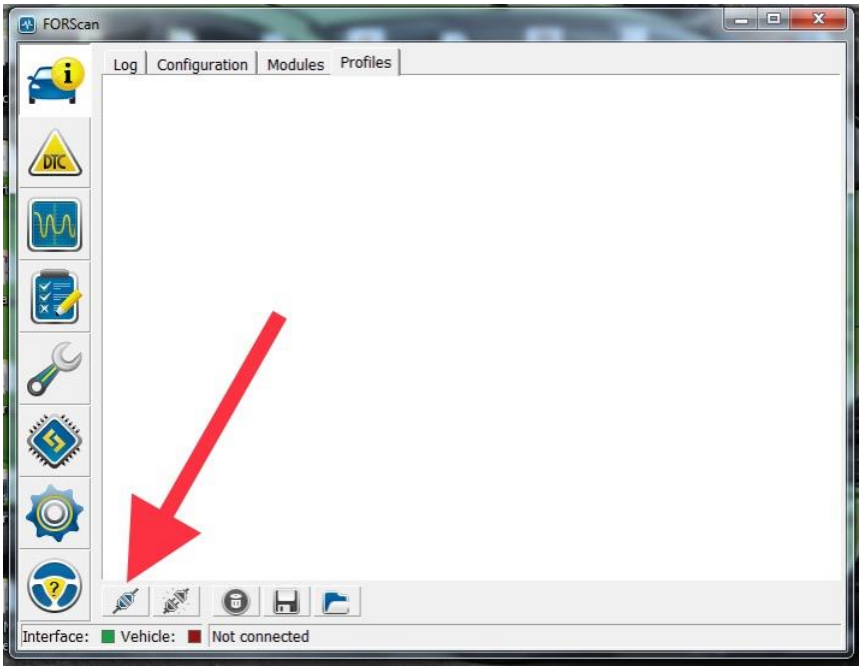


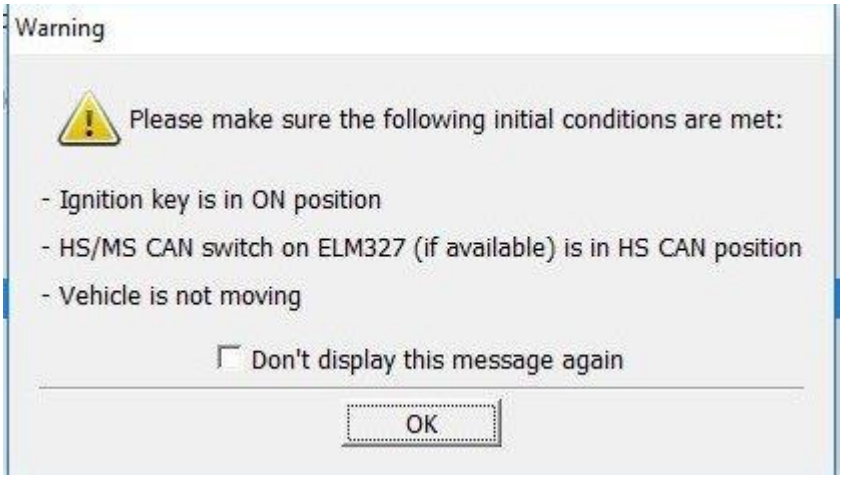


Image 2.23 & 2.24: OBD port access

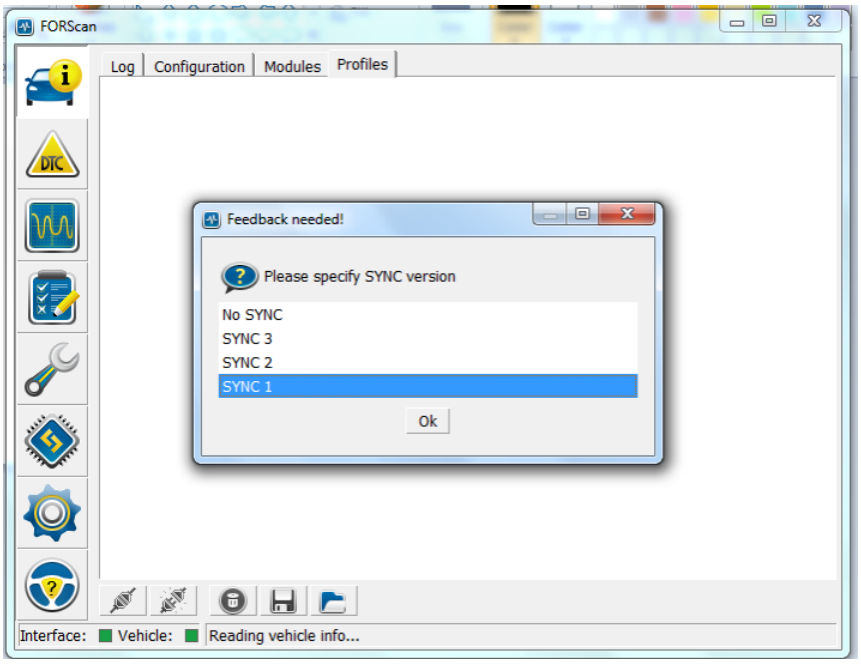
Part 2: Go on the top left menu (car with an "i" on it) and click the button labelled to connect your pc to your car



A warning will pop up, make sure your ignition is on and your ELM cable is set to HS and click OK, it will start picking up some modules.



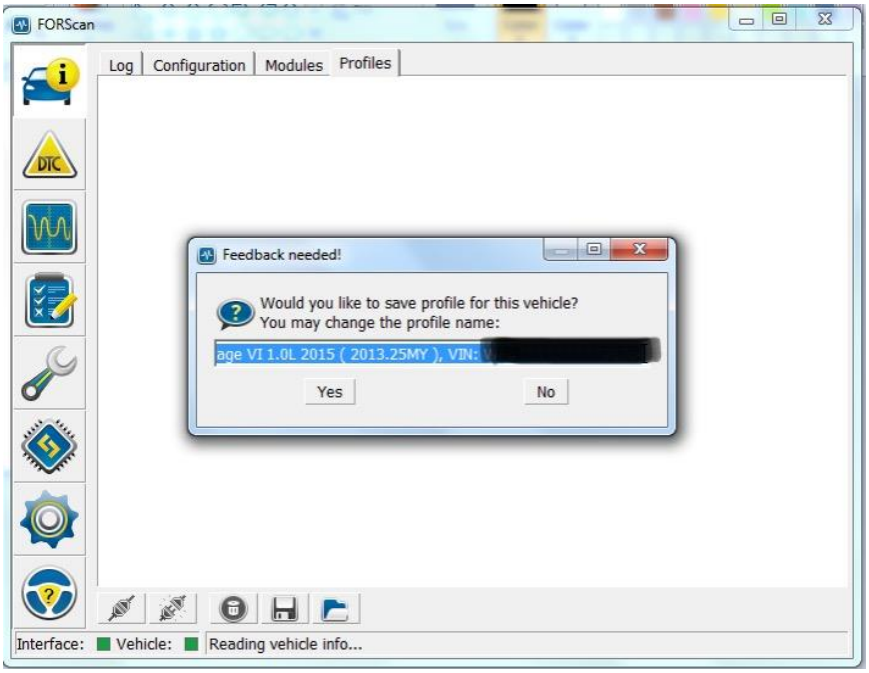
It will then ask you for your model year, choose the correct one for your car then it will ask you for your version of SYNC, select the correct one.



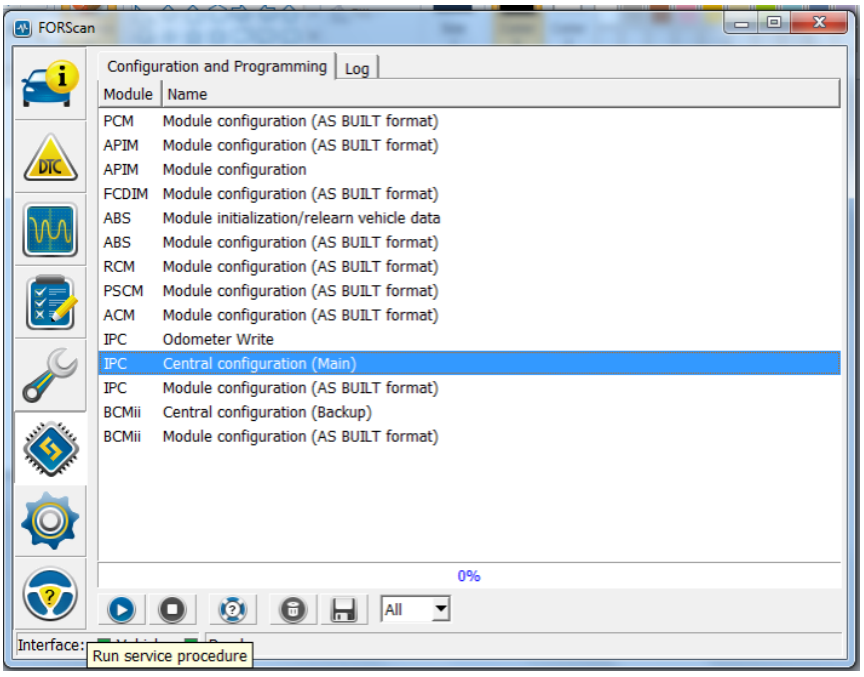
Once its started scanning and picked up a few modules it will then prompt you to switch your ELM cable to MS, simply flick the switch to MS and click OK.



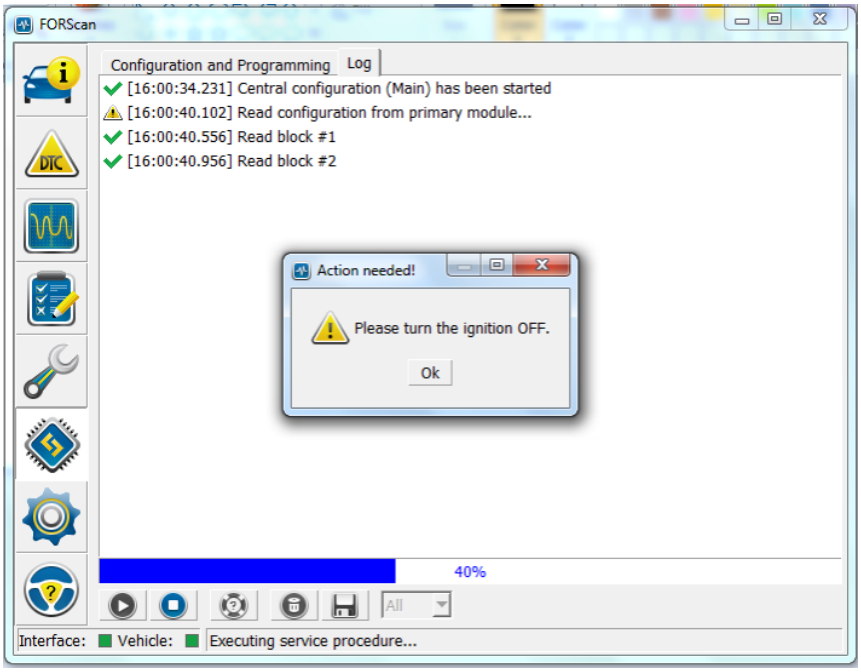
Once it has connected to your car it will ask if you want to save your configurations etc. i would recommend this.



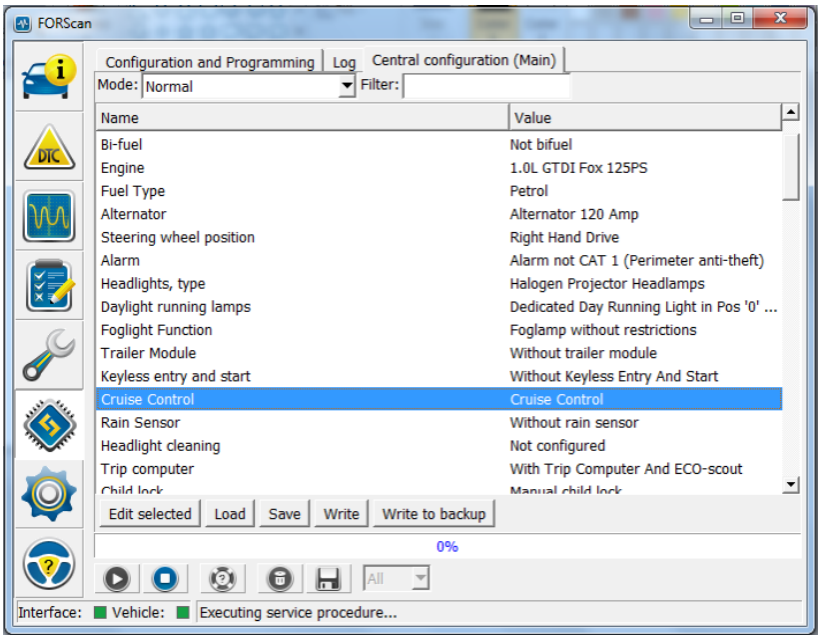
Now go to the third menu up on the left and click on “Central configuration (Main)” and click the small play button at the bottom.



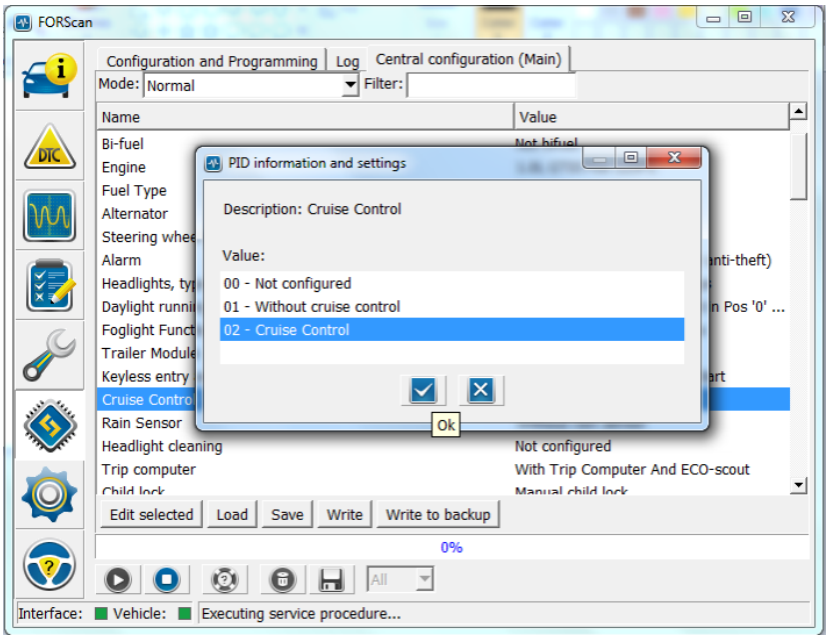
It may ask you to switch between HS/MS modes and also turn your ignition off during this process.



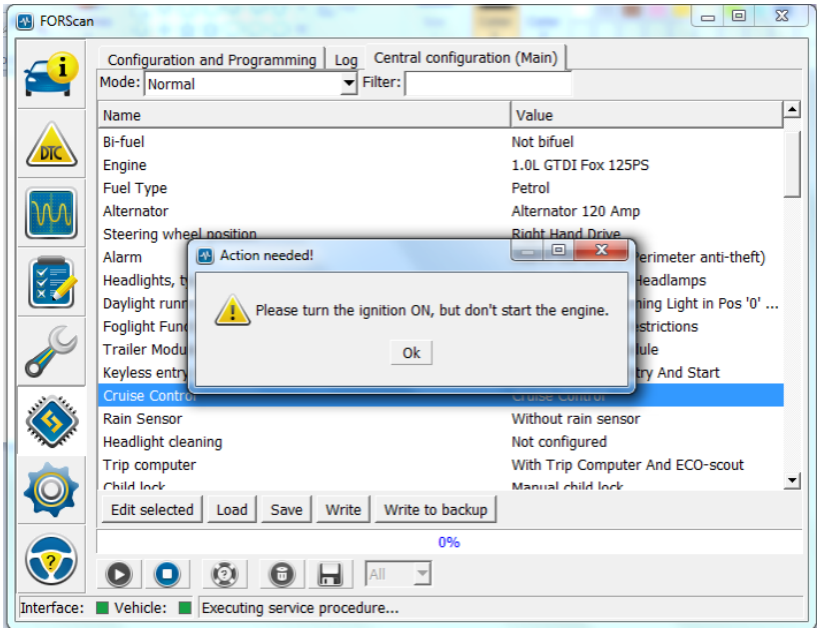
You'll see a menu like this, this contains all the things that can be activated on your car, for cruise control select cruise control and click "Edit selected".



A menu will pop up with some selections, select the third option “02 - Cruise Control” and click the tick and click confirm on the next pop up screen.

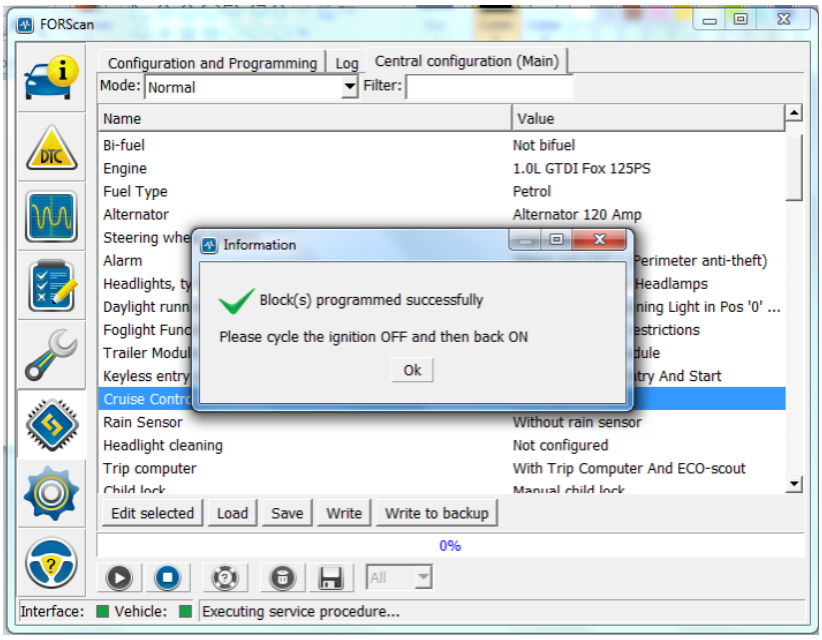


Once you’ve confirmed the change click “Write” near the “Edit selected” and follow the prompts it gives such as turning your ignition on without starting the engine.



Note: It may make a loud noise when writing to your ECU, this is normal.

If it has been successful, you'll be met with this screen, turn your ignition off and on again like it says.



Once you've finished all the activations you wish to do go back to the top left menu and next to the button to connect to your vehicle, click disconnect.

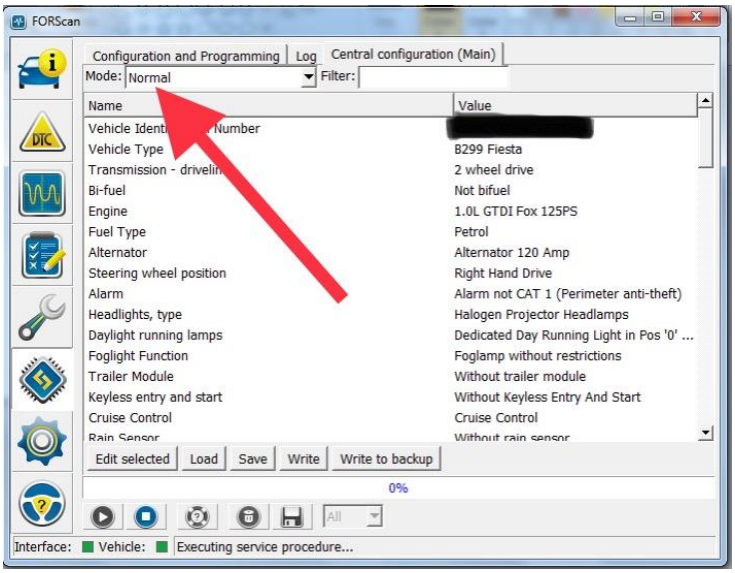
Enjoy your  

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Other activations follow the same process, other activations that are popular are:

- Automatic locking with speed: Once your car goes above 15 mph the doors will lock. After activation on FORScan you need to turn on the ignition (not engine) and press lock/unlock button three times, turn off ignition then press lock/unlock button three times, turn on ignition and press lock/unlock once, turn off ignition and it should work.
- Power fold mirrors: Mirrors that fold when locking the car and unfold when unlocking, with puddle lights. Power fold mirrors need to be fit.
- Ambient lighting: Glove box LED strip. LED strip needed (if small connector is present behind and above glove box in a makeshift holder)
- LED DRL's: Headlights with daytime running lights. New headlights with daytime running lights in are required.
- Automatic Headlights and Wipers: Headlights that come on when lights levels drop to a certain level and wipers that come on when it detects rain. Rain and light sensors necessary along with automatic lights switch.
- TPMS indicator turn off: Turn off tyre pressure monitoring system notification on your dashboard if you have no sensors fitted or if you've had aftermarket wheels for example.
- Gear upshift turn off: Turn off the small arrow telling you when it's best to upshift.
- Global window open/close: Open or close your windows from your key fob.

Some of these activations may require you to change modes to one of two engineering modes which is a simple click in a drop down box shown below.



Chapter 3: Using Cruise Control

Fords instructions explain how to use cruise control quite well on pages 15 & 16 (http://www.fordservicecontent.com/Ford_Content/catalog/owner_guides/ENUSA_CG3583_FCN_qg_201402.pdf), if you've never used cruise control before i'd suggest practicing with it on a quiet straight road to get used to it.