

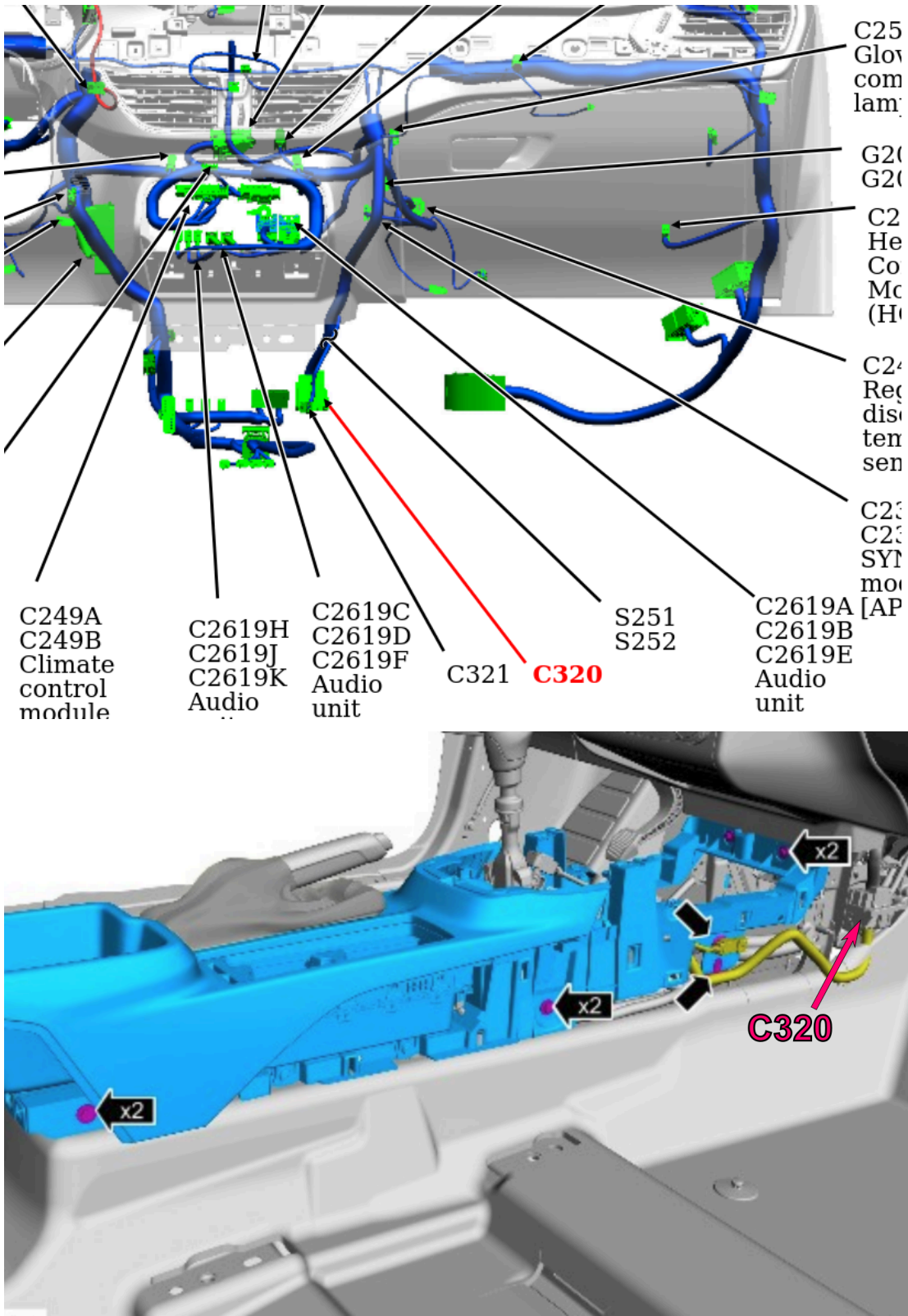
1) The module works by imitating button presses. It shorts to ground lines from **Auto Start-Stop** (A) and **Drive Mode** buttons. Therefore, it must be connected to these lines. It also requires it to be powered from a voltage source which is active when a car is started. This voltage comes from the F3 fuse line, that is the power line for PDC and the reverse camera.

2) Connections

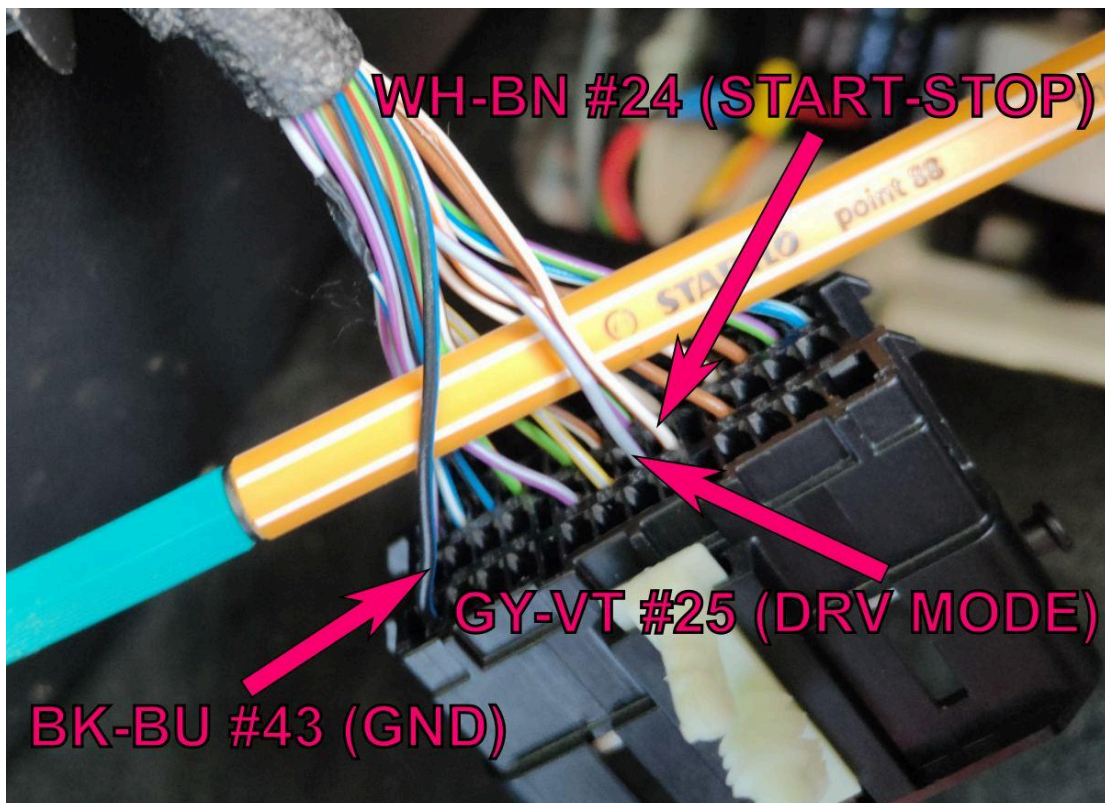
a) module signals



b) to C320 connector



Connections to button lines and GND:



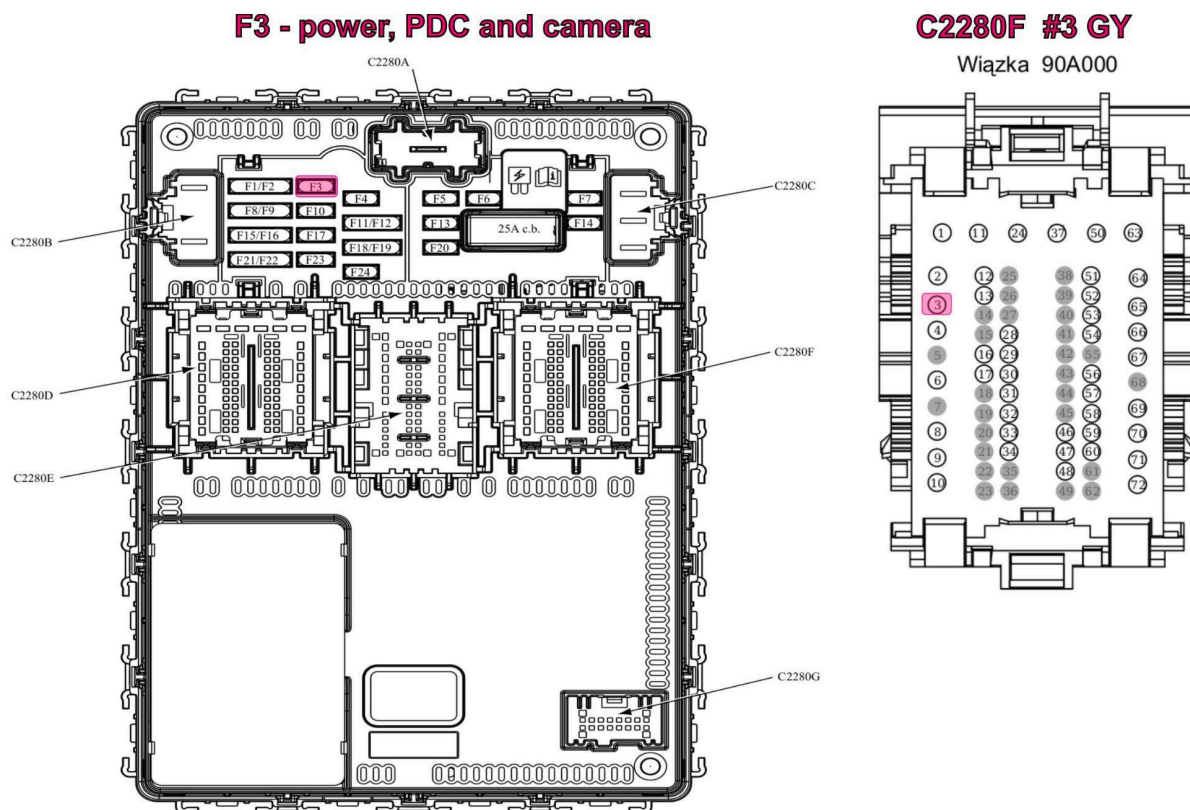
Connections can be done by soldering or special "on wire" clamps:



OR



- c) to power supply from BdyCM. 12V from the F3 fuse or the gray cable of C2280F connector



Connection to F3 fuse can be done using a fuse splitter:




Alternatively, this power can be taken from C2280F connector, pin #3 going out as gray cable.
Note, in cars without PDC nor camera, there is no such cable nor pin!

3) Module configuration

In order to configure the module, one needs to keep the buttons pressed for 3 seconds or longer. The configuration phase is allowed once all functions are finished, that is about 1 minute after power is on.

Auto Start-Stop Disable is executed about 10 seconds after power is on. This function can be disabled (OFF) or enabled (ON).





Auto Drive Mode has more settings:

- a) **default drive mode:** OFF (feature is disabled) , ECO,i SPORT
- b) **execution time options:** 10s, 30s, 65s
- c) **manual mode:** In this mode the default drive mode is not applied automatically, the module waits for a single press of  button. Once the button is pressed, the default mode is applied. This works only once. If the button is pressed before configured time, the default mode is applied at the configured time
- d) **additional pulse:** we can add an extra one pulse for auto drive mode execution (useful for other cars)

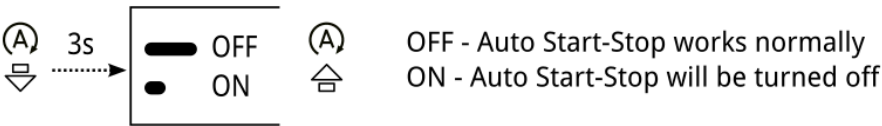
Configuration cheat-sheet:

TIP: printout and keep it in your car.

CONFIGURATION CAN BE PERFORMED ABOUT 1 MIN AFTER ENGINE STARTING

-  button press
-  button depress
-  long beep
-  short beep

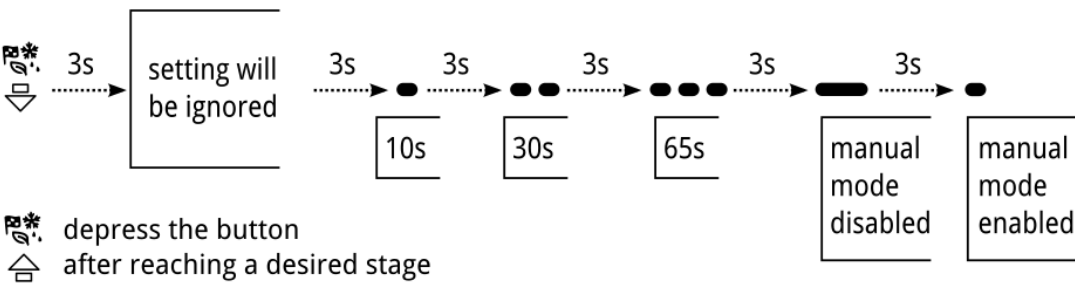
AUTO START-STOP DISABLE



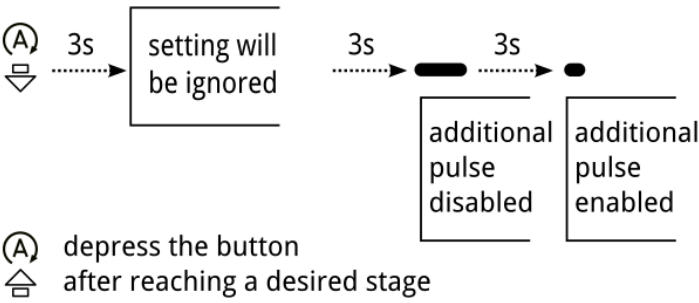
AUTO DRIVE MODE



AUTO DRIVE MODE TIME DELAY



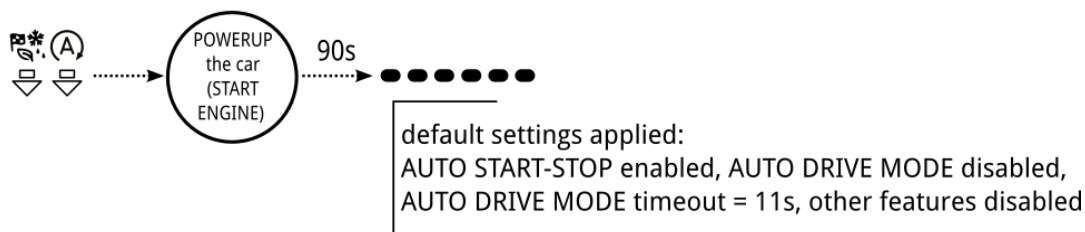
ADDITIONAL DRIVE MODE PULSE



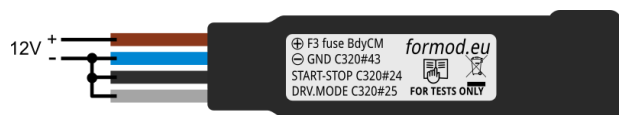
4) Restore Default Settings

Devices manufactured after 15-DEC-2021 have a special procedure for restoring default settings. It requires to press both buttons before a car is turned on and then wait 90 seconds:

SET DEFAULT SETTINGS



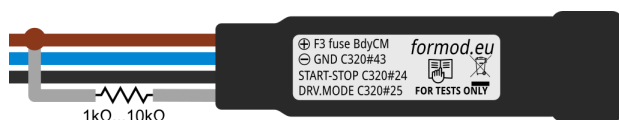
or before mounting in a car, tie to GND both the signal lines, power up with 12V and wait 90 seconds:



5) Permanently Deactivate Auto Drive Mode

For cars which do not require the Auto Drive Mode feature, the feature must be deactivated so that a floating Auto Drive Mode wire will not cause false detections.

A) Method #1 - permanently pull up the drive mode line to 12V+ through a resistor:



DISCLAIMER:

This device is intended for testing the Auto Start-Stop function and setting the driving modes in Ford cars. Installing and permanently using this device is entirely at your own risk.

This device is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of FITNESS FOR A PARTICULAR PURPOSE.