TDCi Injectors coding
http://www.obdtester.com/focom

This is PRELIMINARY WORKING DRAFT for SECONS Ltd. internal use and FoCOM users.

Injectors coding is used on following vehicles:

Mondeo	**2000-2006**	2.0 DuraTorq TDCi	HJBA/HJBB/HJBC/FMBA/N7BA
	2005-2006	2.2 DuraTorq TDCi	
Focus	**2001-2005**	1.8 DuraTorq TDCi	FFDA/F9DA/F9DB
		2.0 DuraTorq TDCi	FIFA
	2005-...	1.6 DuraTorq TDCi	
Focus C-Max	**2005-...**	1.6 DuraTorq TDCi	
Fiesta	**2004-...**	1.6 DuraTorq TDCi	
Transit	**2000-2005**	2.4 DuraTorq TDCi	H9FA
	2000-2005	2.0 DuraTorq TDCi	
Transit Con.	**2002-2006**	1.8 DuraTorq TDCi	

Before programming/coding injectors it is necessary to wean the vehicle at least 8 hours.

Fault codes related to the injectors are:

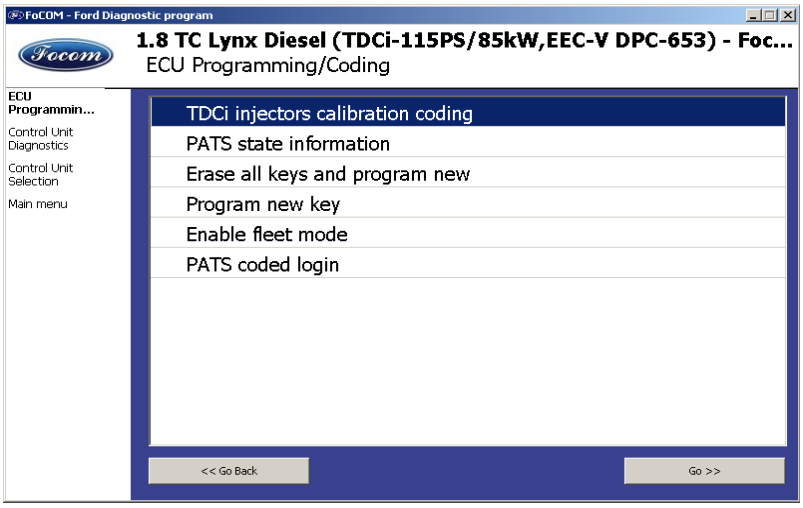
P2336 - Cylinder 1 Above Knock Threshold
P2337 - Cylinder 2 Above Knock Threshold
P2338 - Cylinder 3 Above Knock Threshold
P2339 - Cylinder 4 Above Knock Threshold

Calibration data of injectors are:

- eight-digit hexadecimal number for 1.6TDCi engines
- sixteen-digit hexadecimal number for the engine 1.8TDCi, 2.0 TDCi, 2.2TDCi and 2.4 TDCi
- injector classification - classes 4, 5 and 6 are for other control units

Coding procedure / ECU programming

Select function *TDCi injectors calibration coding*, which can be found in the menu of *ECU Programming/Coding*.



If you cannot find *TDCi injectors calibration coding* function in menu, please send us file with fast snapshot (go to the menu *Control Unit Identification* a click button *Save ECU Information*), part number of ECU (xxxx-12A650-xx) and the VIN code on address info@secons.com. A function will be added.

Injector classification number (Siemens SID803, SID803A, SID202, SID206, SID83M)

Control units Siemens SID803, SID803A, SID202, SID206 and SID83M do not use individual calibration values for each injector, injector classification for all injectors is used. Installed injectors must have the same classification number which needs to be programmed to the ECU. When prompted to enter a classification number of injectors, enter one of three possible classes (4, 5 or 6).
This value is assigned to all injectors at once.

Sixteen-digit calibration number

Is necessary to enter the ordinal number of injector (1, 2, 3 or 4) which should be programmed, at the beginning of procedure rather than calibration data. Calibration data will be entered in the next step. The ordinal numbers of injectors are:

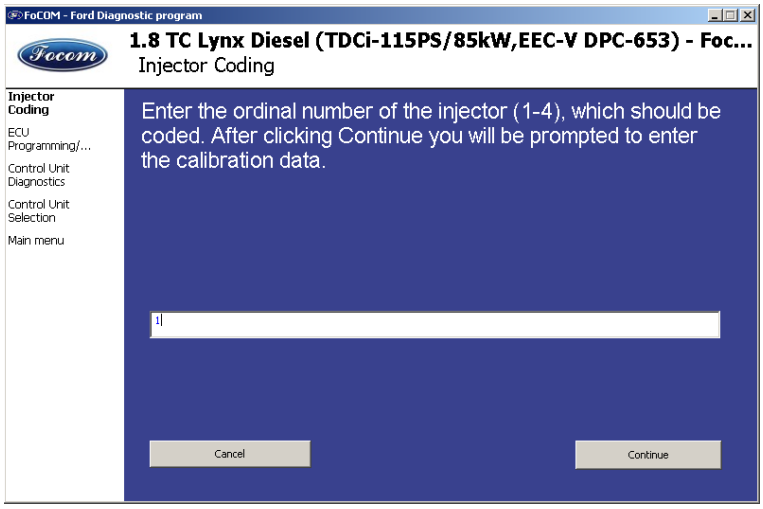
2.0 TDCi:

- No. 1 is upper left injector for cylinder No. 1
- No. 2 is upper right injector for cylinder No. 3

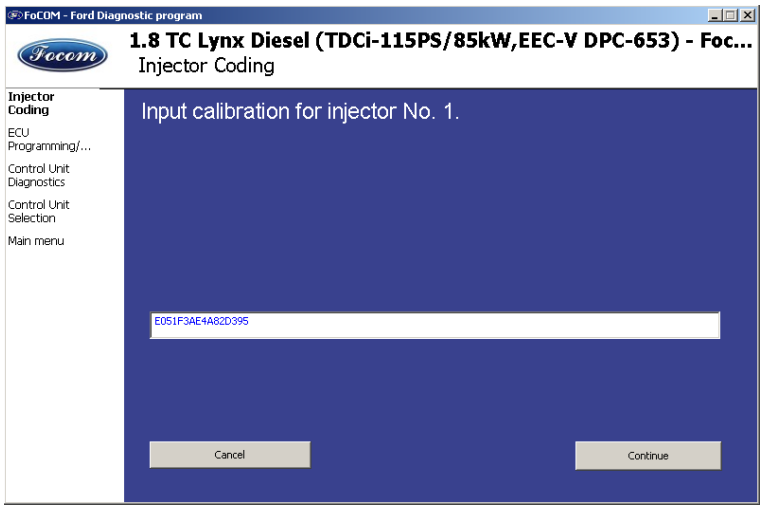
- No. 3 is lower left injector for cylinder No. 4
- No. 4 is lower right injector for cylinder No. 2

Other engines:

- No. 1 is upper left injector for cylinder No. 1
- No. 2 is upper right injector for cylinder No. 2
- No. 3 is lower left injector for cylinder No. 3
- No. 4 is lower right injector for cylinder No. 4



In the next step is necessary to enter calibration data for propriate injector.

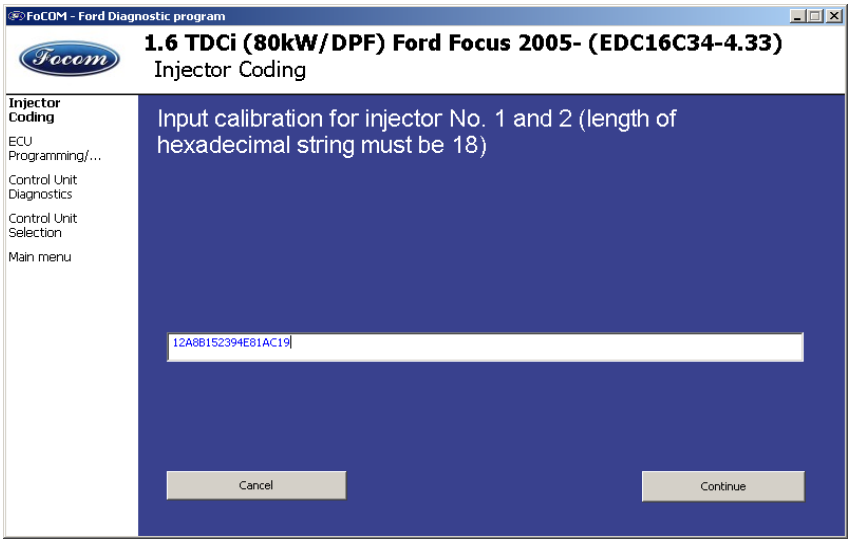


Enter calibration data of injector. Calibration data can be found on the injector or on the label placed in the engine compartment:

In the next step confirm the accuracy of assignment. Injectors should be coded in this moment.

Eight-digit calibration number

The procedure is identical to sixteen-digit calibration number with the difference, that data are always entered in pairs in a row. FoCOM requires eighteen-digit number that consists of two eight-digit data calibration and two extra characters (one at the beginning and one at the end of the string).



Read TDCi injectors calibration

This function is available in the menu of *ECU Programming/Coding* and allows you to read the latest calibration data in the control unit injectors.

This function is available just for some control unit and results of this function are not guaranteed, because of the difficulties of solution.

Older cars do not provide this feature.
This function isn't provided by IDS diagnostics.