

# BMW Direct Injection Fuel Injector Calibration

*The information found in this whitepaper is intended for reference purposes. Consult your local BMW dealer for further programming assistance.*

BMW direct injection fuel injectors require a calibration update to be performed in the DME after installation. #1 and #2 in the photo below reference the fuel injector calibration codes. Record each code along with the cylinder number the fuel injector is being installed in prior to installation. These codes will need to be entered into the DME through the use of factory BMW software. Failure to calibrate the fuel injectors after installation will severely hinder performance and fuel mileage and may cause a misfire.



#1 = Energy Comparison Value (mJ) and is entered as a decimal. Using the photo above this value would be 57.8

#2 = Flow Value (mg/stk) and is entered as a decimal. Using the photo above this value would be 1.99

Below is a chart to record the values of the injectors and the cylinder they are installed in. This data is required to perform the calibration.

Cylinder No.	Energy Comparison Value (mJ)	Flow Value (mg/stk)
Cylinder 1 Fuel Injector		
Cylinder 2 Fuel Injector		
Cylinder 3 Fuel Injector		
Cylinder 4 Fuel Injector		
Cylinder 5 Fuel Injector		
Cylinder 6 Fuel Injector		
Cylinder 7 Fuel Injector		
Cylinder 8 Fuel Injector		