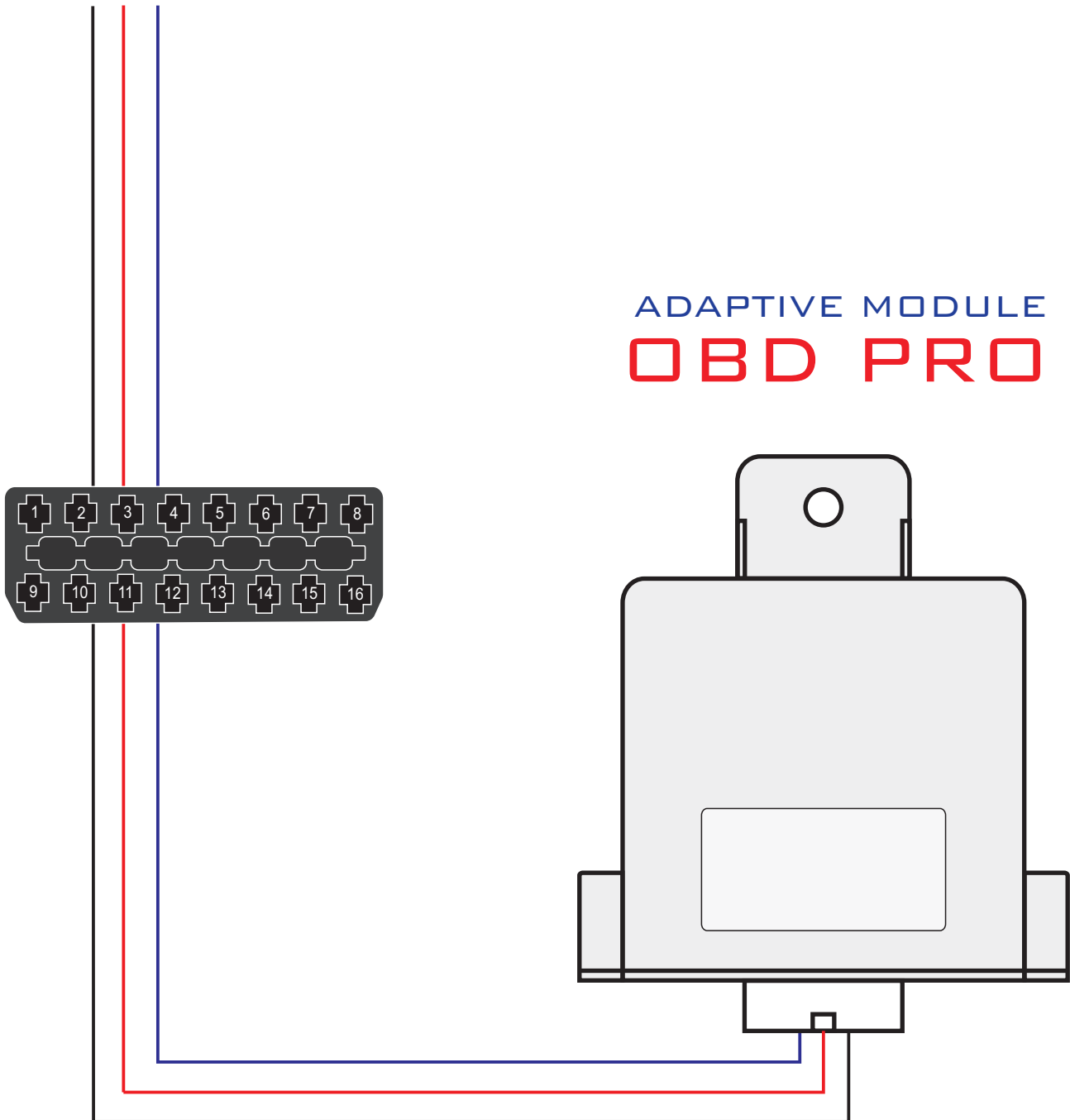


ADAPTIVE MODULE
OBD PRO



INSTALLATION AND USAGE INSTRUCTION

PURPOSE OF OBD PRO MODULE

OBD-Pro module is a device which allows coupling of SEC PRO ECU (v.2 version and higher) and car's EOBD / OBD II diagnostic system. This allows to use signals from the EOBD / OBDII system to control gas installation and the composition of the fuel mixture in order to optimize it. OBD PRO module can also be used to vehicle diagnostics through the SEC DIAGNOSTIC (version MY13-4 and above) software, no additional equipment necessary.

ACTIVATION OF MODULE AFTER INSTALLATION

After installation of the OBD PRO module it's necessary to activate it's connection with SEC PRO controller. It can be done by using SEC DIAGNOSTIC software ver. 13-4 and above. Go to Parameters tab → OBD connection → Hard OBD (Fig.1). Once connected, the communication between SEC PRO controller and OBD PRO module will be active and there will appear short-term and long-term corrections and also there will be access to OBD Diagnostic option in Diagnostics tab.

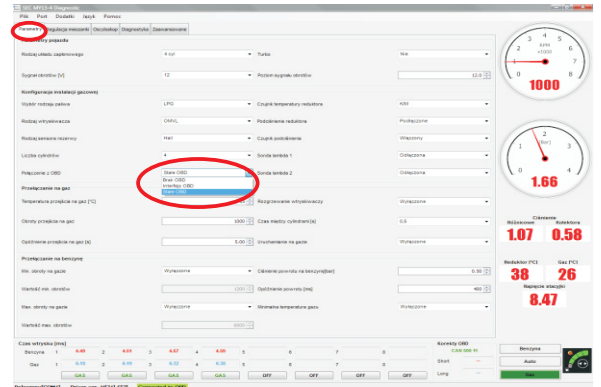


Fig.1

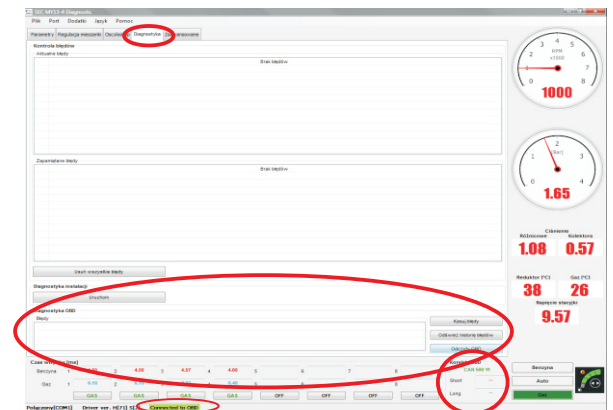


Fig. 2

FUEL MIXTURE ADJUSTMENT

Connection of OBD PRO module with SEC PRO controller also allows the control of fuel mixture according to short-term and long-term corrections. To start this adjustment mode, SEC DIAGNOSTIC must be in Mixture Adjustment tab, then select Calibration Mode -> OBD (see Figure 3). After running this mode the controller will be adjusting enrichment of the mixture, based on the indication OBD.

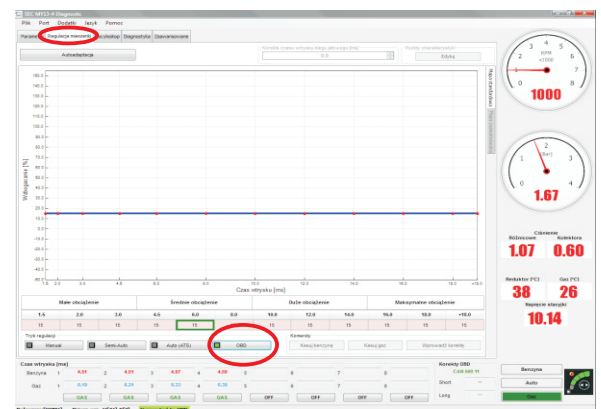
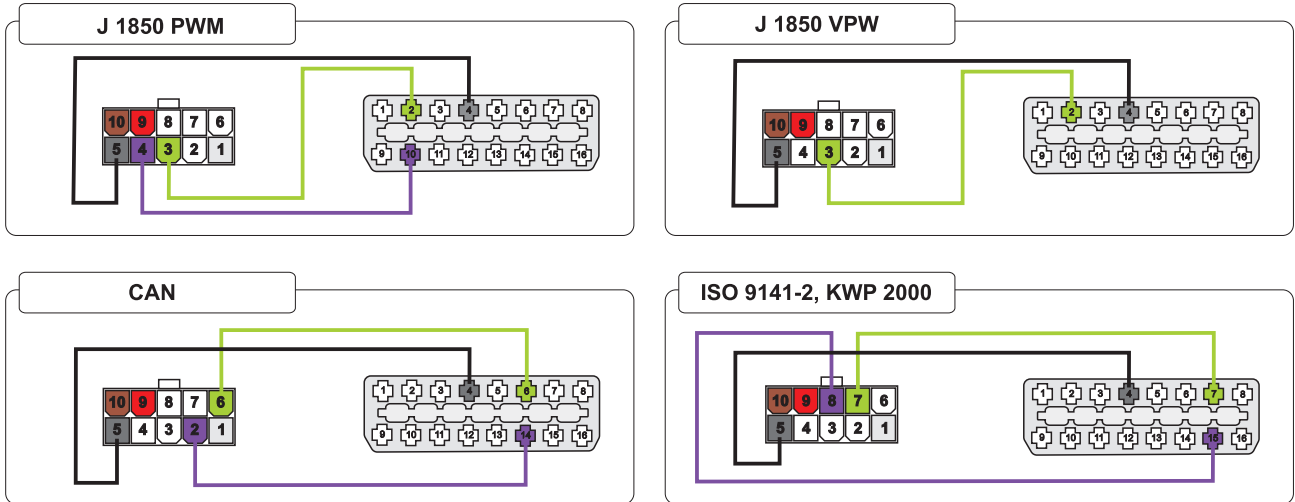


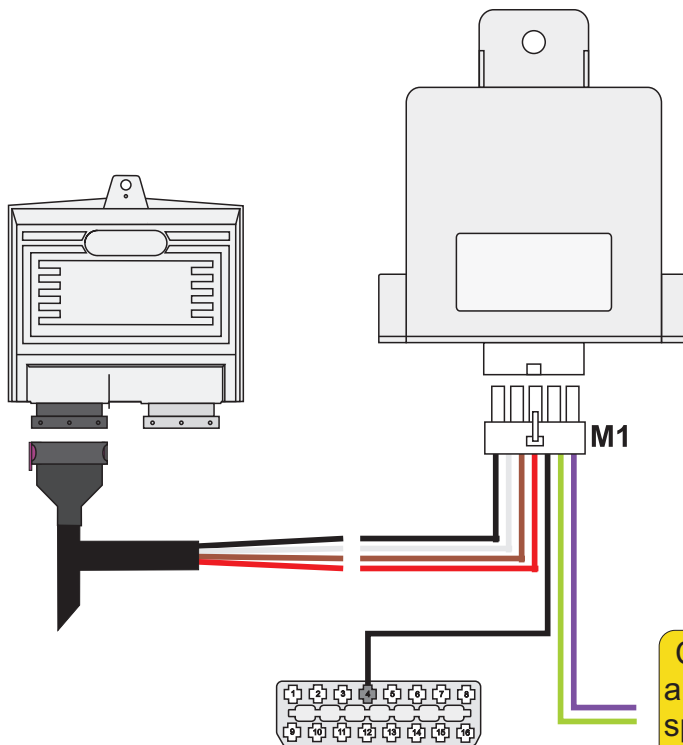
Fig. 3

OBD PRO MODULE INSTALLATION INSTRUCTIONS

Before installing the unit, determine the location of the communication interface and protocol OBD . Then plug the green and the purple cable (included in the set) into the appropriate protocol for the pins of the connector and connector M1. Pins location for each OBD protocols is illustrated by the following diagrams. Weight (one of the two black wires from the connector pin No. 6 M1) is to plug in the 4 pin diagnostic connector (regardless of the type of the OBD). Other cables should be connected to the corresponding wires in the wiring loom SEC PRO control unit as shows at the installation diagram.



INSTALLATION DIAGRAM



Connect to the M1 connector and OBD diagnostic connector as specified in the tables.