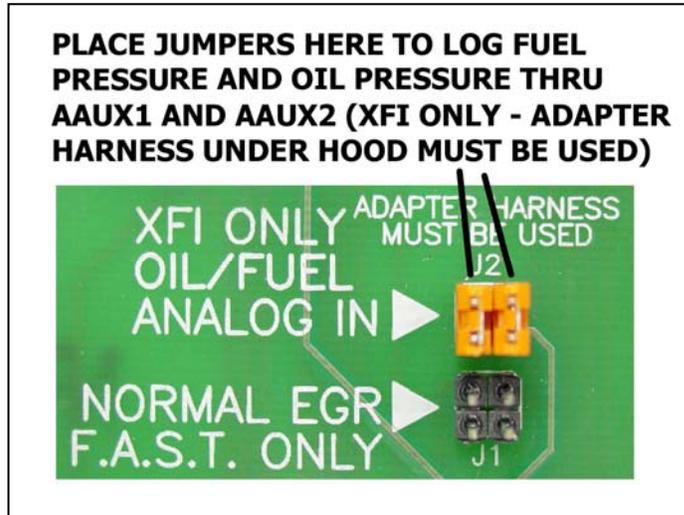


# INSTALLATION INSTRUCTIONS

## 109038 Fuel/Oil Pressure Logging Kit for XFI ECU

This Kit is designed to provide pressure logging data for fuel pressure and oil pressure by installing pressure transducers to the fuel and oil supply ports on the turbo Buick applications. This pressure data is then routed to the XFI ECU, through the Caspers 108112 XFI to GN Adapter. To prepare the data logging, the adapter must be opened and internal jumpers must be set up as shown here:



This kit consists of three items: Two 0-100 PSIA Pressure Transducers (Caspers PN 107105) and one Logging Harness (Caspers PN 109037). The pressure transducers are aviation quality, all stainless construction, designed to provide an analog output vs. pressure, 1-5VDC to indicate 0-100 PSI in linear fashion. The harness plugs into the unused EGR connector located on the turbo engine wiring harness, passenger side, rear of engine. This harness provides power to the transducers and places the oil pressure and fuel pressure data on the two "input-output" wires associated with the EGR wiring. By moving the jumpers to the positions shown above, the signals are placed on AAUX1 (FUEL) and AAUX2 (OIL) using the EGR gray and brown wires, respectively. The connector closest to the EGR connector is for the FUEL transducer, and furthest connector is routed the OIL transducer.

You must configure your XFI software to accommodate the data on these auxiliary inputs, and indicate an offset of 1 volt DC so that 1 volt equals zero PSI and 5 volts equals 100 PSI.

Pressure transducers are supplied with a 1/8" male standard pipe thread on each unit. Use Teflon pipe sealant paste when installing the transducer. **Do not use excessive force** when installing threaded fittings as damage to the transducer can result.

