

VW Vanagon/Transporter Conversion to Subaru Engine  
Pressure Sources Switching Solenoid Valve & Boost (Atmospheric Pressure) Sensor Installation  
Brent Weide - 2011

I've got an early 1999 Subaru EJ25 DOHC happily stuffed into my 1991 VW Multivan. I did the install (including wiring) myself. There were really no surprises except for the fact that there was a need to install the Pressure Sources Sensing Solenoid (PSSSV) and the Boost (Atmospheric Pressure) Sensor. As far as I know earlier years of Subaru engines did not have these components. Those two parts come from the Subaru installed on a metal plate which should be removed from the donor Subaru vehicle.

The sensors are located on the subaru donor in the engine bay attached to the front side of the left wheel strut tower (see picture below). They are fed by both a small group of wires and a vacuum hose. When removing from the Subaru donor ensure that you retrieve the connecting wiring and the vacuum hoses. Include the external devices in your wiring harness modification activities.

The Pressure Sources Switching Solenoid Valve (PSSSV)/Boost Sensor combination can be installed in your vanagon/transporter anywhere you have room in the engine bay or even under the rear bench seat. I located mine just near the black plastic wiring junction box on the left engine bay wall.

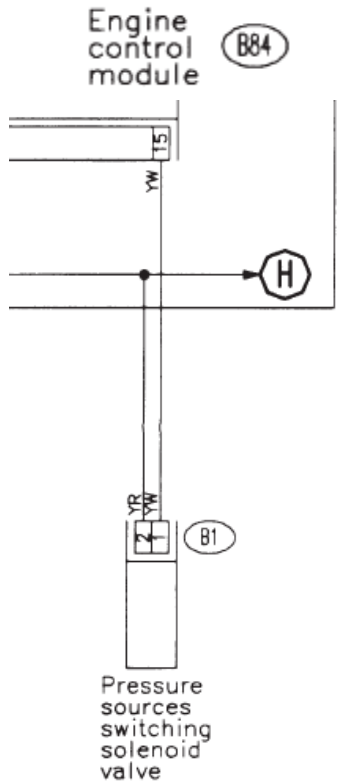
*Here's a picture indicating the installed location of the sensor/valve in a 1999 Subaru Outback.*



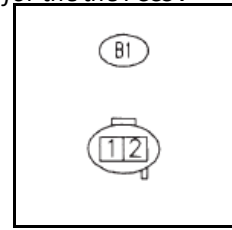
*A pic of the sensor/valve after removal from the donor subaru.*



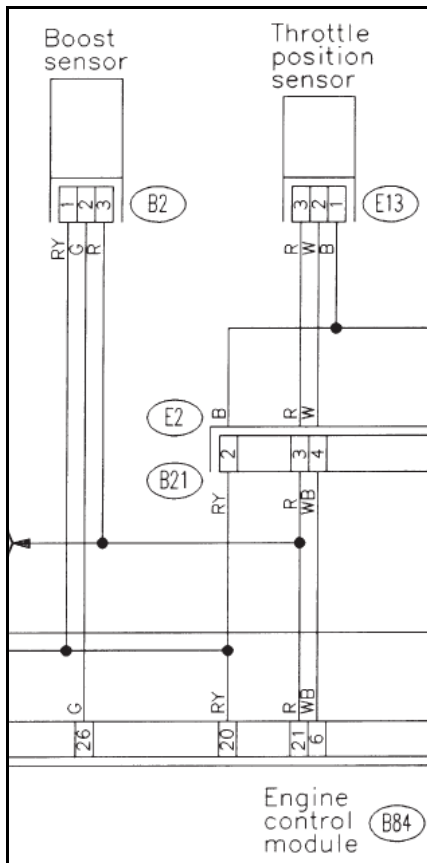
Here's a diagram showing the circuit which connects to PSSSV to the ecu on the 1999 Outback.



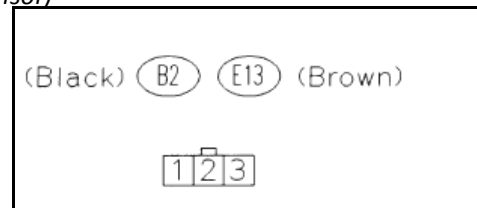
Here's the connector for the the PSSSV



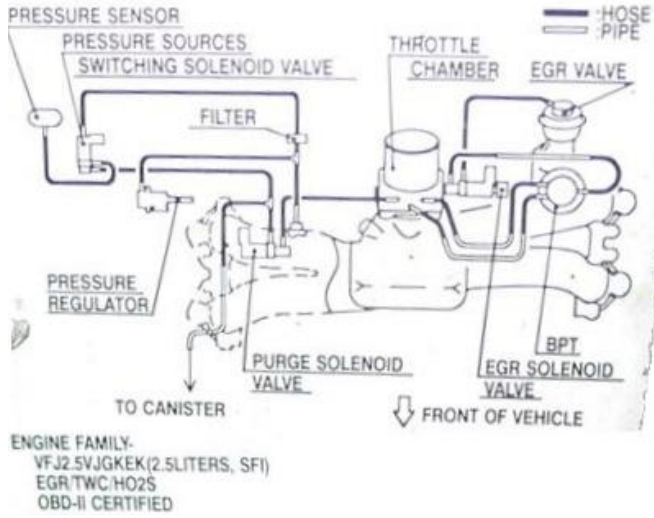
Here's the wiring for the Atmospheric Pressure Sensor (Boost Sensor).



Here's the connector for the the Atmospheric Pressure Sensor (Boost Sensor)



A diagram of the vacuum line routing to the stock subaru sensor/valve.



A pic of the sensor/valve as installed in my vw vanagon engine bay.

