

These instructions and the images herein are proprietary. Any unauthorized reproduction is prohibited.

Interface Board Deluxe Rev B

Immediately upon delivery, open all packages and check the contents of the shipment. Report any issues directly to SCP within 15 days. After 15 days, SCP will not be responsible for missing or damaged items.

INSTALLATION INSTRUCTIONS

The Small Car Performance Interface Board Deluxe is designed to make a seamless Subaru installation with minimal engine codes, a working tach, an accurate temp gauge, and a functional neutral switch system. Small Car Performance focuses on installing engines that use ECUs from 2006-2007 Imprezas and 2006-2008 Foresters. Our interface board has been tested with those ECUs and the following codes may still be present: P0600. If you are using this board with an ECU not listed previously you may get more or less codes. If the pinout for your harness is not listed below and Small Car Performance did not complete your harness modification, we cannot offer technical support on the wiring of the interface board at this time.



"Rev B" is listed in the upper right corner of the board. If no rev is listed, you have rev A.

1. Disconnect battery.
2. Remove the interface board from its housing by removing the 4 philips head screws.
3. Locate each of the wires and connect them as shown in the table below.

Terminal	Abbreviation	Description	Notes	Connector	Terminal	OEM Wire Color
1	TGO	Vanagon temperature gauge out		Vanagon Round White Connector T7a	2	Yellow/Red
2	TGI	Vanagon temperature gauge in		Sensor on reverse coolant manifold	-	
3	TPS	Fuel tank pressure sensor		B135(B)	32	Brown
4	FLS	Fuel level sensor		B135(B)	10	Yellow

These instructions and the images herein are proprietary. Any unauthorized reproduction is prohibited.

Interface Board Deluxe B

5	FTS	Fuel Temperature Sensor		B135(B)	17	White/Black
6	PCS	Pressure control solenoid valve	Used on pre-2006 Subaru ECUs	-	-	-
7	IPCS	Internal pressure control solenoid		B136(C)	28	Red
8	TDV	Tank drain valve		B136(C)	17	Light Green/Black
9	FR1	Fan relay 1		B136(C)	18	Blue/Red
10	FR2	Fan relay 2		B136(C)	29	White/Red
11	CEL	Check engine light	California customers will not use this terminal as their check engine light will be on the instrument cluster. See below.	B136(C)	11	Orange/White
12	TSI	Tach signal wire in	Post-1985 Vanagons only.	B136(C)	22	Pin
13	TSO	Tach signal wire out	Post-1985 Vanagons only.	Vanagon Round White Connector T7a	5	Green
14	PP	Pedal position in		B135(B)	31	Red
15	NSOM	Neutral Switch Out		B136(C)	31	Green/Black or White/Blue
16						
17	GND	Ground for Interface Board Deluxe	Connect to chassis ground	-	-	-
18						
19	VIN	Power to Interface Board Deluxe		B134(A)	7	Yellow/Blue

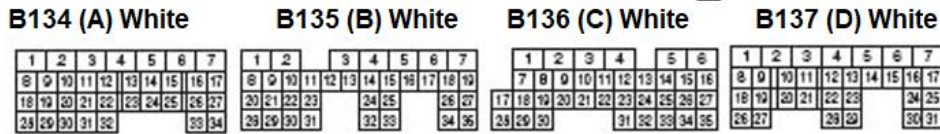
These instructions and the images herein are proprietary. Any unauthorized reproduction is prohibited.

Interface Board Deluxe B

20			
21			
22			
23			
24			

Notes:

1. Pins 16, 18, and 20-24 are not to be used at this time. However, they can be used with a future product release.
2. Terminals are listed from left to right with terminal 1 being on the bottom left and terminal 24 on the upper right.
3. The abbreviations are listed on the interface board above the terminals.
4. Wire colors on a Small Car Manufactured harness will not match the wire colors in the far right column however, they will be labeled.
5. The image below shows the ECU connector pinouts for the support years.



4. Once the interface board has been connected, reconnect battery, start vehicle. Ensure the tachometer functions. If it does not work then review the following items.
 - a. Check your wiring. Ensure the board has power, ground, tachometer in signal, and tachometer out signal.
 - b. If your van was made pre-1985 it does not need the tachometer signal modification and will work off the Subaru ECU tach signal.
 - c. Make sure your tachometer hasn't been permanently modified to work off a Subaru tachometer signal. If it has, feed the Subaru ECU tachometer signal straight to the tachometer.
5. Let your engine get up to operating temperature. Monitor the engine temperature with an IR gun or with via the OBDII port during this time. Once operating temperature and the radiator fan has cycle, rotate the thumbwheel on the side of the interface board until your temperature gauge needle sits right over the LED in the center of the gauge.
6. Scan your ECU for codes using the OBDII port. If you have a code aside from those previously mentioned and you have a supported ECU, check your wiring. If you have a code aside from those previously mentioned and you don't have a supported ECU, still check your wiring.