

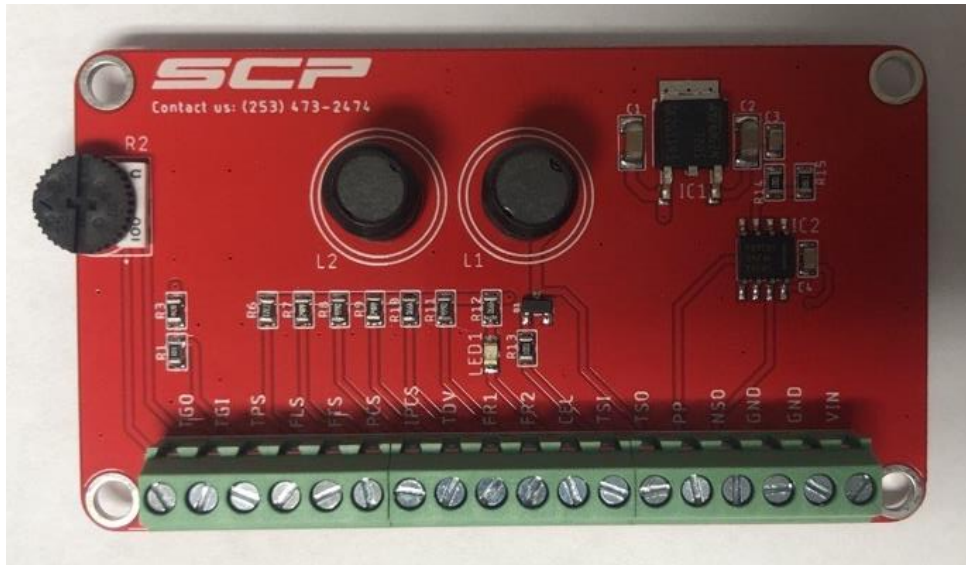
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Interface Board Deluxe Rev A

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, and P0453. 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.



1. Disconnect battery.
2. Remove the interface board from its housing by removing the 4 philips head screws.

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Interface Board Deluxe

3. Locate each of the wires and connect them as shown in the table below.

Interface Board Pin	Descriptor	Notes	2006-2007 Impreza & 2006-2008 Forester ECUs		
			Connector	Terminal	Color
1 (Far Left)	Temp Gauge Out (TGO)	Wire running up to your Vanagon temperature gauge.	Vanagon Round White Connector T7a	2	Yellow/Red
2	Temp Gauge In (TGI)	Wire running from your Vanagon temperature gauge sender.	Sensor on reverse coolant manifold		
3	Tank Pressure Sensor (TPS)		B135(B)	32	Brown
4	Fuel Level Sensor (FTS)		B135(B)	10	Yellow
5	Fuel Temp Sensor (FTS)		B135(B)	17	White/Black
6	Pressure Control Solenoid (PCS)	Used on pre-2006 Subaru ECUs	N/A		
7	Internal Pressure Control Solenoid (IPCS)		B136(C)	28	Red
8	Tank Drain Valve (TDV)		B136(C)	17	Light Green/Black
9	Fan Relay 1 (FR1)		B136(C)	18	Blue/Red
10	Fan Relay 2 (FR2)		B136(C)	29	White/Red
11	Check Engine Light (CEL)	Your check engine light wire can be run here to illuminate the built in LED when a code is present.	B136(C)	11	Orange/White
12	Tachometer Signal In (TSI)	Tachometer signal wire from Subaru ECU.	B136(C)	22	Pink
13	Tachometer Signal Out (TSO)	Tachometer signal wire running up to Vanagon tachometer.	Vanagon Round White Connector T7a	5	Green
14	Pedal Position In (PP)		B135(B)	31	Red
15	Neutral Switch Out (NSO)	Neutral switch wire from ECU.	B136(C)	31	Green/Black or White/Blue
16	Ground (GND)				
17	Ground (GND)				
18 (Far Right)	Battery Positive (VIN)	+12V battery positive	B134(A)	7	Yellow/Blue

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.

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Interface Board Deluxe

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| <p>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.</p> |
| <p>6. Scan your ECU for codes using the ODBII 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.</p> |