ECU Pin Labelling - 4 Plug Subaru ECU

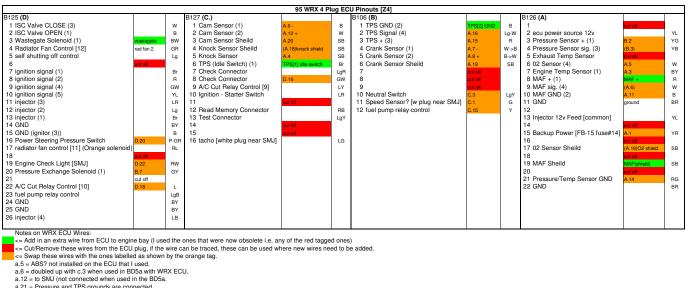
Checked by "Koom" / Last Printed 18/10/2011

B125 (d.)	B127 (c.)	B106 (b.)	B126 (a.)
13 12 11 10 9 8 7 6 5 4 3 2 1	8 7 6 5 4 3 2 1	6 5 4 3 2 1	11 10 9 8 7 6 5 4 3 2 1
26 25 24 23 22 21 20 19 18 17 16 15 14	16 15 14 13 12 11 10 9	12 11 10 9 8 7	22 21 20 19 18 17 16 15 14 13 12

N.B. ECU pins are identified by looking at the ECU pins (not the plugs that connect to them) and holding the tab at the top i.e. where the label is shown in the above tables.

Grounding Modification/Reccomendation: Due to vehicle ageing, the following pins must have the wire replaced 2.0mm(sq) min. :a.11, a.22, d.24, d.25

These are sensor earth's and MUST be directly connected to the engine block.



- a.21 = Pressure and TPS grounds are connected.

- a.2.1 = ressure and in 2 glounds are connected.

 C.7-6.8 = Check Connectors, may be transposed, doubt it, and also never checked.

 c.11 = went to a small blue plug and was not connected to anything. NOT used.

 d.4 d.17 = may or may not be the fan controller, left as is on the BD5a when using WRX ECU and fans work properly.

DAGE (D)			D400 (A)			
B125 (D) 1 ISC Valve CLOSE 2 ISC Valve OPEN 3 exhaust Valve duties 4 supercharging oppression 5 self shutting off control 6 lignition they (GND) 7 ignition signal #4 8 ignition signal #2 9 ignition signal #2 10 ignition signal #3 10 ignition signal #1 11 injector #3 12 injector #2 13 injector #2 13 injector #1 14 GND 15 GND 16 TXD 17 radiator fan control 18 A/C relay control	BD5a ECU Pinot B127 (C.) 1 speed sensors (12v) 2 3 neutral switch 4 AT torque down prohibition 5 AT air quantative output 6 AT torque down required 7 RvD 8 000000000#2 9 AC 10 starter switch 11 ATMIT identification 12 lead/read memory connector 13 static test mode 14 brake switch 15 ignition switch 16 lacho	uts ~94 RS Legacy Turbo Model [7C] B106 (B)	B126 (A) 1 baskup power source 2 ecu power source 3 water temp sensor 4 knock sensor signal 5 02 sensor signal 6 airllow sensor 7 crank angle sensor (-) 8 crank angle sensor (-) 10 cam angle sensor (+) 11 air flow (GND) 12 13 ecu power source 14 sensor (syperior source) 15 throttle sensor (5) 16 throttle sensor (5) 17 18 02/knock sensor (shield)			
19 exhaust warm sensor 1 20 power steer switch 21 exhaust gas temp warning 22 check engine lamp 23 fuel pump relay 24 GND 22 Neutral Switch 25 GND 26 injector #4			19 crank angle sensor (shield) 20 cam angle sensor (shield) 21 22 control type (GND)			

<== Pins that need to be swapped to another position.

BC5 ECU Pinouts 89-92 Legacy Turbo Models						
B106 (B)	B127 (C.)	B125 (D)	B126 (A)	T		
1 ISC Solenoid OPEN	1 Cam Angle Sensor (+)	1 TPS (GND)	1 1			
2 ISC Solenoid CLOSE	2 Cam Angle Sensor (-)	2 TPS (signal)	2 ECU Power Supply			
3 Wastegate Control	3 Cam Angle Sensor (shield)	3 TPS (power)	3 Pressure Sensor (power)			
4 Intercooler pump resistor exchange sig.	4 Knock Sensor (shield)	4 Crank Angle Sensor (+)	4 Pressure Sensor (signal)			
5 Self Shut off Control	5 Knock Sensor (signal)	5 Crank Angle Sensor (-)	5			
6 Canister Purge Control	6 Idle Switch	6 Crank Angle Sensor (shield)	6 O2 Sensor (signal)			
7 Ignition Control #4	7 Select Monitor Signal	7	7 Water Temp Sensor			
8 Ignition Control #3	8 Select Monitor Signal	8	8 Air Flow Sensor (power)			
9 Ignition Control #2	9 A/C Switch	9	9 Air Flow Sensor (signal)			
10 Ignition Control #1	10 Starter Switch	10 Neutral Switch	10 Air Flow Sensor (GND)			
11 Fuel Injector #3	11	11 Vehicle Speed Sensor 2	11 Control Systems (GND)			
12 Fuel Injector #2	12 Read Mode Connector	12 Ignition Switch	12 Intercooler Pump Control			
13 Fuel Injector #1	13 Test Mode Connector		13 ECU Power Supply			
14 Power Supply (GND)	14		14			
15 Ignition System (GND)	15 Trouble Code Output		15 Backup Power Supply			
16	16 Engine Tacho Output		16			
17 Radiator Fan Control			17 02 Sensor (sheild)			
18			18			
19 Check Engine Light			19			
20 Pressure Exchange Solenoid Valve			20 AT/MT Identification			
21			21 Sensors (GND)			
22 A/C Cut Relay Control			22 Control Systems (GND)			
23 Fuel Pump Relay						
24 Injectors (GND)						
25 Injectors (GND)						
26 Fuel Injector #4						