



2004 Subaru Impreza WRX STi

Revised October 2, 2005

ECU Pinout Diagram

To B134

7	6	5	4	3	2	1			
17	16	15	14	13	12	11	10	9	8
27	26	25	24	23	22	21	20	19	18
34	33			32	31	30	29	28	

To B135

7	6	5	4	3		2	1				
19	18	17	16	15	14	13	12	11	10	9	8
27	26		25	24		23	22	21	20		
35	34		33	32		31	30	29	28		

To B136

6	5		4	3	2	1				
16	15	14	13	12	11	10	9	8	7	
27	26	25	24	23	22	21	20	19	18	17
35	34	33	32	31			30	29	28	

To B137

7	6	5	4	3	2	1			
17	16	15	14	13	12	11	10	9	8
25	24		23	22	21	20	19	18	
31	30		29	28			27	26	

Connector B134

Pin #	Name	Function	Signal Type
23	Engine Speed Output Sensor	Engine speed output sensor signal	Speed

Connector B135

Pin #	Name	Function	Signal Type
1	Power Ground	Chassis ground	Ground
4	Power Ground	Chassis ground	Ground
5	Power Source	12V switched	Power
6	Power Source	12V switched	Power
19	Voltage Back Up	Permanent 12V	Power
27	Vehicle Speed Sensor	Vehicle speed sensor signal	Speed

Connector B136

Pin #	Name	Function	Signal Type
8	Brake Switch 2	Brake switch signal	Analog
9	Brake Switch 1	Brake switch signal	Analog
13	Intake Air Temperature Sensor	Air temperature sensor signal	Analog
17	Accelerator Position Sensor	Accelerator position sensor signal (1-3.5V)	Analog
18	Electric Throttle Sensor	Electric throttle sensor signal	Analog
21	Fuel Tank Pressure Sensor	Fuel tank pressure sensor signal (2.3V-2.7V)	Analog
22	Manifold Absolute Pressure Sensor	Manifold absolute pressure (MAP) sensor signal	Analog
23	Mass Air Flow Sensor	Mass Air Flow sensor signal	Analog
25	Knock Sensor	Engine knock sensor (2.8V)	Knock, Audio

Caution!

If you are not familiar with the vehicle's electrical systems, onboard sensors, and vehicle dynamics, DO NOT attempt to perform ANY installation of PLX Devices Inc. product(s). PLX Devices Inc. does not guarantee 100% accuracy, compatibility and specific application functionality of these documents. Use these documents as guidelines ONLY and refer to your vehicle's service manual for detailed information.

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(408)745-7591

