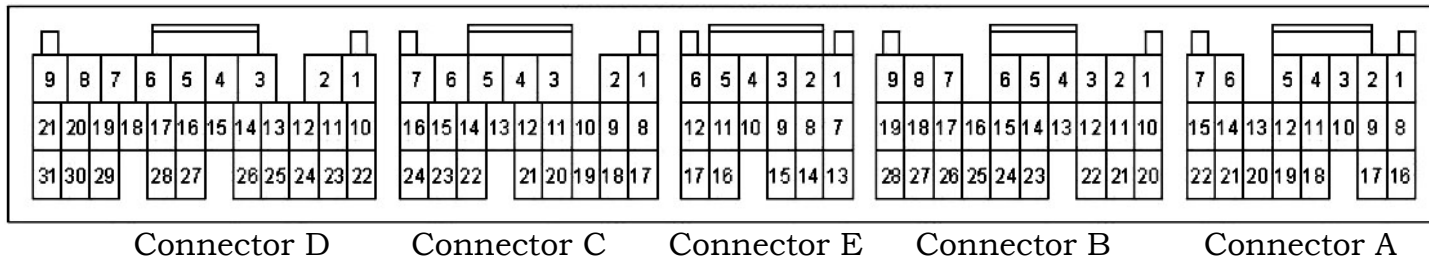




2002-2004 Subaru Impreza WRX
2005 Saab 9-2X Aero

Revised October 11, 2005

ECU Pinout Diagram



Connector D

Pin #	Name	Function	Signal Type
D1	Injector # 1	Injector Signal from Injector # 1	Speed
D8	Power Ground	Chassis ground	Ground
D9	Power Ground	Chassis ground	Ground
D10	Voltage (Aux)	Permanent 12V	Power
D19	O2 Sensor Signal (Front)	Oxygen Sensor Signal (Front)	Analog

Connector C

Pin #	Name	Function	Signal Type
C4	Injector # 4	Injector Signal from Injector # 4	Speed
C5	Injector # 3	Injector Signal from Injector # 3	Speed
C6	Injector # 2	Injector Signal from Injector # 2	Speed
C8	Power Ground (Injector)	Chassis ground of Injector	Ground
C9	Tach Signal	Vehicle Engine Speed Signal	Speed
C17	Power Ground (Power Supply)	Chassis ground of Power Supply	Ground
C18	Power Ground (Coils)	Chassis ground of Coil	Ground

Connector E

Pin #	Name	Function	Signal Type
E1	Power Ground	Chassis ground	Ground
E7	Mass Air Flow Sensor Ground	Dedicated Ground for MAF	Ground
E13	Mass Air Flow Sensor	Mass Air Flow sensor signal	Analog

Connector B

Pin #	Name	Function	Signal Type
B4	Knock Sensor	Engine knock sensor	Knock, Audio
B7	Throttle Position Sensor	Throttle position sensor signal	Analog
B8	Manifold Atmospheric Pressure Sensor	Manifold Atmospheric Pressure Sensor Signal	Analog
B17	O2 Sensor Signal (Rear)	Oxygen Sensor Signal (Rear)	Analog
B18	Engine Coolant Temperature Sensor	Engine Coolant Temperature Sensor Signal	Analog
B19	Sensor Ground	Dedicated Ground for Sensor	Ground
B27	Intake Air Temperature Sensor	Intake Air Temperature Sensor Signal	Analog

Connector A

Pin #	Name	Function	Signal Type
A1	Vehicle Speed Sensor	Vehicle speed sensor signal	Speed
A7	Power Ground (Control Systems)	Chassis ground of control systems	Ground
A15	Power Ground (Control Systems)	Chassis ground of control systems	Ground
A16	Power Supply (Starter)	12V switched	Power
A22	Power Ground (Power Supply)	Chassis ground of power supply	Ground

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.