



Vehicle OBD II Connector (front view)  
ISO 9141 uses pins 4, 5, 7, 15, & 16

Mastercheck Pin	Mastercheck Data Function	Mapping to OBD-II Connector Pin(s)
<b>B</b>	+12V source	16
<b>E</b>	Ground/Earth	4 & 5
<b>r</b>	Transmission/Gearbox ISO-9141 L-Line [Ctrl Line]	15
<b>s</b>	Transmission/Gearbox ISO-9141 K-Data [P-code]	7
<b>v</b>	Powertrain/Engine ISO-9141 L-Line [Ctrl Line]	15
<b>w</b>	Powertrain/Engine ISO-9141 K-Data [P-Code]	7

#### Other Mastertech Pins that do not map to the standard OBD-II Port

<b>A</b>	Ignition fuse, Fuse A3 (20A) on fuseboard F2
<b>C</b>	CHECK ENGINE warning lamp (MIL)
<b>S</b>	Turbo Pressure Transducer (in volts)
<b>V</b>	Engine Speed Signal
<b>Y</b>	Road Speed Signal (from transmission control module pin D1)
<b>c</b>	Coolant Temperature Sensor Output (pin 1)
<b>t</b>	Programming voltage input from Mastertech to engine control module
<b>u</b>	Programming voltage motor car variant