



EDELBROCK PRESSURE SENSORS
Part #91280, 91281, 91282
91283, 91284 & 91148
INSTALLATION INSTRUCTIONS

PLEASE study these instructions carefully before beginning this installation. Most installations can be accomplished with common tools and procedures. However, you should be familiar with and comfortable working on your vehicle. If you do not feel comfortable performing this installation, it is recommended to have the installation completed by a qualified mechanic. If you have any questions, please call our **Technical Hotline at: 1-800-416-8628**, 7:00 am - 5:00 pm, Pacific Standard Time, Monday through Friday.

IMPORTANT NOTE: Proper installation is the responsibility of the installer. Improper installation will void your warranty and may result in poor performance or sensor damage.

DESCRIPTION: Edelbrock Pressure Sensors are intended for use with QwikData, QwikData 2 and other aftermarket Data and Engine Management Systems. If you are using another aftermarket Data or Engine Management system check the sensors SPECIFICATIONS with the manufacturer of your system. Sensors are provided with a dash 4 AN adapter fitting and harness pigtail adapter for use with QwikData and QwikData 2 systems.

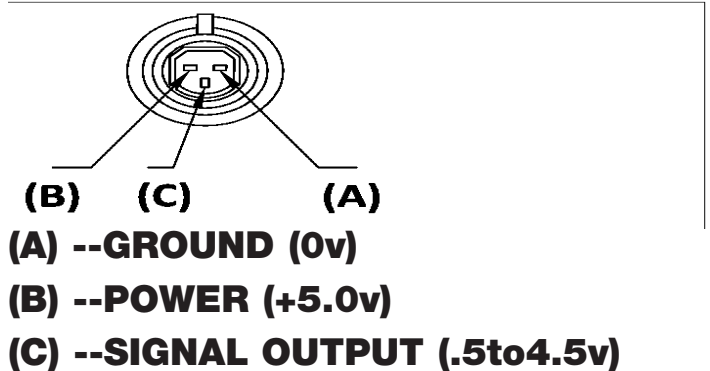
NOTE: Pressure Sensors should not be mounted directly to engine as excessive vibration can destroy the sensor. Mount sensor remotely and connect to engine with properly rated hose or flexible tubing.

KIT CONTENTS:

- Qty - 1 Sensor
- Qty - 1 1/8 Female NPT to dash 4 Male Adapter Fitting
- Qty - 1 6" Pig-Tail Adapter Harness (Metri Pack 150 series connector to QwikData 2 Switchcraft connector)
- Qty - 1 Installation Instruction

SENSOR SPECIFICATIONS

Input Voltage: 5Vdc +/- .5Vdc at 10mA typical
Output Voltage: 0.5-4.5 Vdc (ratiometric)
Linearity: +/-0.5% Span
Response Time: Less than 1msec.
Operating Temp: -40/120 deg C
Burst Pressure: 750psi & below 10 x range
 1500psi & above 2 x range
Vibration: Random to 1KHz, 20Gs
Weight: Approx 2 oz.(60g)
Material: 304 SS



CALIBRATIONS

		91280 0-15 PSIG		91281 0-100 PSIG		91282 0-500 PSIG		91283 0-1500 PSIG		91284 14.73-15PSIG		91148 -14.73-50PSIG	
		Bits	Value	Bits	Value	Bits	Value	Bits	Value	Bits	Value	Bits	Value
QWIKDATA 2 CALIBRATION TABLES		416	0.000	416	0.000	416	0.000	416	0.000	416	-14.73	416	-14.73
		3700	15.00	3700	100.0	3700	500.0	3700	1500	3700	15.00	3700	50.00
QWIKDATA CALIBRATION TABLES	psi	0.00	15.00	0.00	100.0	0.00	500.0	0.00	1500	-14.7	15.00	-14.7	50.00
	(Volts)	0.50	4.50	0.50	4.50	0.50	4.50	0.50	4.50	0.50	4.50	0.50	4.50

SENSOR CALIBRATION

Calibrations for Edelbrock Pressure Sensors are provided with QwikData 2 software in Sensor Calibrations - Import Function. If you are using another aftermarket ECU or Logger system you will need to calibrate the sensors for your software. Refer to the following charts for sensor calibration values.

SENSOR VOLTAGE OUTPUT						
PART # --- RANGE ---	91280 0-15 PSig	91281 0-100 PSig	91282 0-500 PSig	91283 0-1500 PSig	91284 Vac-15PSig	91148 Vac-50PSig
<u>VOLTAGE OUTPUT</u>	<u>VALUE</u>	<u>VALUE</u>	<u>VALUE</u>	<u>VALUE</u>	<u>VALUE</u>	<u>VALUE</u>
0.50	0.0	0.0	0.00	0.00	-14.70	-14.70
.75	0.94	6.25	31.25	93.75	-12.84	-10.66
1.00	1.88	12.50	62.50	187.50	-10.99	-6.61
1.25	2.81	18.75	93.75	281.25	-9.13	-2.57
1.50	3.75	25.00	125.00	375.00	-7.28	1.48
1.75	4.69	31.25	156.25	468.75	-5.42	5.52
2.00	5.63	37.50	187.50	562.50	-3.56	9.56
2.25	6.56	43.75	218.75	656.25	-1.71	13.61
2.50	7.50	50.00	250.00	750.00	0.15	17.65
2.75	8.44	56.25	281.25	843.75	2.01	21.69
3.00	9.38	62.50	312.50	937.50	3.86	25.74
3.25	10.31	68.75	343.75	1031.25	5.72	29.78
3.50	11.25	75.00	375.00	1125.00	7.58	33.83
3.75	12.19	81.25	406.25	1218.75	9.43	37.87
4.00	13.13	87.50	437.50	1312.50	11.29	41.91
4.25	14.06	93.75	468.75	1406.25	13.14	45.96
4.50	15.00	100.00	500.00	1500.00	15.00	50.00

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