



EDELBROCK PRESSURE SENSOR Part #91287

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.

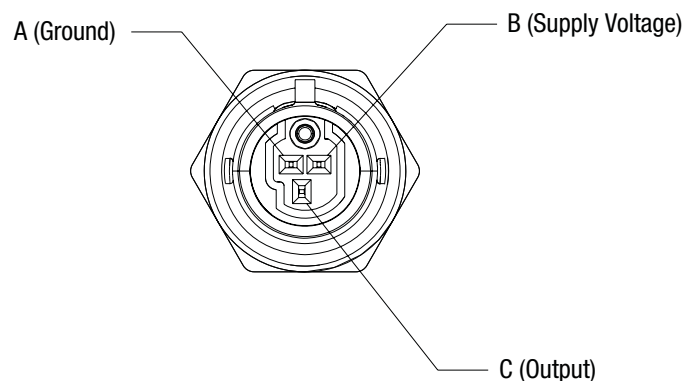
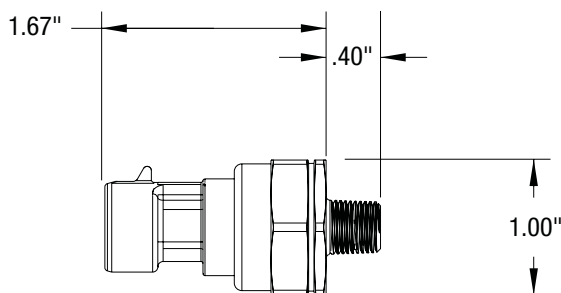
NOTE: Pressure Sensors should not be mounted directly to engine as excessive vibration can destroy the sensor. The sensor should be mounted such that the connector side faces upward to avoid trapping water or condensation in the sensor tip, which will damage the sensor.

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

GENERAL SPECIFICATIONS:

Input Voltage:	4.9 to 5.1 volts DC
Overvoltage:	16 volts DC (maximum)
Reverse Polarity:	16 volts DC (maximum)
Supply Current:	5 mA (maximum)
Response Time:	6.0 mS (maximum) (To 63% of Step Input)
Minimum Load:	9.0 K OHMS (Pull-Up or Pull-Down)



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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.

91287 - 2-BAR Manifold Absolute Pressure Sensor

QD2 Bits	Output Volts	kPa	PSIa	PSIg	In/Hg
820	0.50	0	0.00	-14.69	-29.91
901	0.60	5	0.73	-13.96	-28.42
983	0.70	10	1.47	-13.22	-26.92
1065	0.80	15	2.20	-12.49	-25.43
1147	0.90	20	2.94	-11.75	-23.93
1229	1.00	25	3.67	-11.02	-22.44
1311	1.10	30	4.41	-10.28	-20.94
1393	1.20	35	5.14	-9.55	-19.44
1475	1.30	41	5.88	-8.82	-17.95
1557	1.40	46	6.61	-8.08	-16.45
1639	1.50	51	7.35	-7.35	-14.96
1720	1.60	56	8.08	-6.61	-13.46
1802	1.70	61	8.82	-5.88	-11.97
1884	1.80	66	9.55	-5.14	-10.47
1966	1.90	71	10.28	-4.41	-8.97
2048	2.00	76	11.02	-3.67	-7.48
2130	2.10	81	11.75	-2.94	-5.98
2212	2.20	86	12.49	-2.20	-4.49
2294	2.30	91	13.22	-1.47	-2.99
2376	2.40	96	13.96	-0.73	-1.50
2458	2.50	101	14.69	0.00	0.00
2539	2.60	106	15.43	0.73	1.50
2621	2.70	111	16.16	1.47	2.99
2703	2.80	116	16.90	2.20	4.49
2785	2.90	122	17.63	2.94	5.98
2867	3.00	127	18.37	3.67	7.48
2949	3.10	132	19.10	4.41	8.97
3031	3.20	137	19.83	5.14	10.47
3113	3.30	142	20.57	5.88	11.97
3195	3.40	147	21.30	6.61	13.46
3277	3.50	152	22.04	7.35	14.96
3358	3.60	157	22.77	8.08	16.45
3440	3.70	162	23.51	8.82	17.95
3522	3.80	167	24.24	9.55	19.44
3604	3.90	172	24.98	10.28	20.94
3686	4.00	177	25.71	11.02	22.44
3768	4.10	182	26.45	11.75	23.93
3850	4.20	187	27.18	12.49	25.43
3932	4.30	192	27.92	13.22	26.92
4014	4.40	198	28.65	13.96	28.42
4096	4.50	203	29.38	14.69	29.91