



BOOST CONTROL SOLENOID 30-2400



WARNING:

This installation is not for the mechanically or electrically challenged! If you are not mechanically or electrically inclined or do not understand the procedure please do not attempt the installation. Refer the installation to a reputable mechanic.

This product is legal in California for racing vehicles only and should never be used on public highways.

**For Technical Inquiries
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Instruction Part Number: 10-2400
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The model **30-2400 Boost Control Solenoid** specially modified for use as a boost control solenoid in high boost automotive systems. The kit includes all the necessary fittings to plumb your wastegate for either an internal or external wastegate.

The **30-2400 Kit** Contains:

- 1x Fast Response Solenoid
- 1x Mating Connector Assembly
- 1x 1/8" NPT Sintered Muffler
- 2x 1/8" NPT to -4AN Male Adapters
- 2x 1/8" NPT to 3/16" Hose Barb Adapters

Operating Voltage: 12VDC

Operating Frequency: 31hz

Duty Range: 10 to 90%

Max Pressure: 120 PSI

Electrical Connection: Polarity is unimportant. Hook one wire to switched 12 Volts and the other to the AEM EMS's PW2 output or the driving devices boost control line. When energized, ports 1 & 2 are connected, when de-energized, ports 2 & 3 are connected.



Hookup for External Wastegates:

Port 1: Manifold Pressure

Port 2: Top Can of Wastegate

Port 3: Sintered Muffler

This hookup, in addition to running a hose from manifold pressure to the bottom can of the wastegate, will give you the highest boost when the solenoid is fully energized (90+%) and allows the minimum boost to be determined by the mechanical spring in the wastegate when the solenoid is not powered (0-10% duty) .

Hookup for Internal Wastegates:

Port 1: Sintered Muffler

Port 2: Manifold Pressure

Port 3: Wastegate Can

This hookup, with no additional hoses required, will give you the highest boost when the solenoid is fully energized (90%) and allows the minimum boost to be determined by the mechanical spring in the wastegate when the solenoid is not powered (0-10% duty).