



**PERFORMANCE ELECTRONICS**

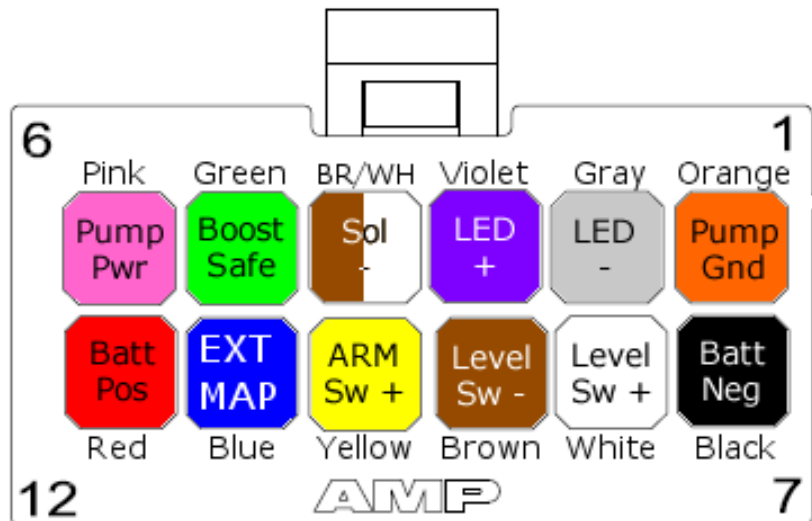
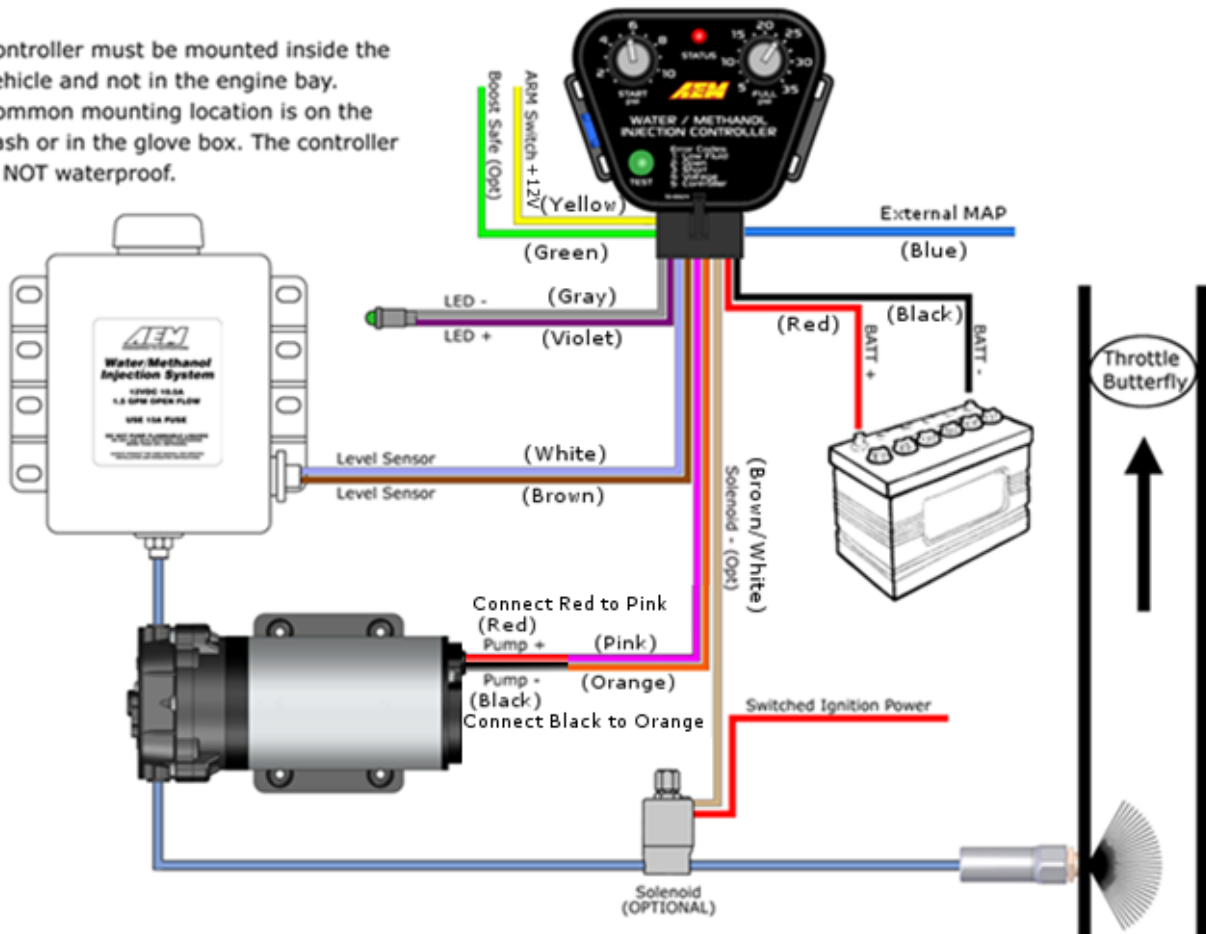
***Multi-Input Water/Methanol  
Injection Harness***

***30-3324***

# Installation

## Diagram

Controller must be mounted inside the vehicle and not in the engine bay. Common mounting location is on the dash or in the glove box. The controller is NOT waterproof.



**NOTE: THIS KIT INCLUDES NEW STYLE INJECTOR NOZZLES THAT HAVE INTERNAL CHECK VALVES. AN EXTERNAL CHECK IS NO LONGER NEEDED OR INCLUDED IN THIS KIT.**

## Pin Installation

Pin #	Description	Wire**	Color	Connection
1	Pump Ground	16 AWG	Orange	Connect to ground (black) wire of pump.
2	LED -	20 AWG	Gray	Connect to ground (black) wire of external LED.
3	LED +	20 AWG	Violet	Connect to positive (red) wire of external LED.
4	Solenoid -	20 AWG	Brown/White	1.5A Low Side output. Connect to optional flow control solenoid.
5	Boost Safe LS Out	18 AWG	Green	1.7A Low Side output. Grounded when error condition exists.
6	Pump Power	16 AWG	Pink	Connect to the positive (red) wire of pump.
7	Ground	16 AWG	Black	Main ground connection, connect directly to battery ground.
8	Level Switch+	20 AWG	White	Connect to the white wire of the fluid tank level sensor*
9	Level Switch-	20 AWG	Brown	Connect to the black wire of the fluid tank level sensor*
10	Arm Switch +	20 AWG	Yellow	Arms injection system. Connect to a switched 12V source.
11	External Signal	18 AWG	Blue	Connect to External Signal. (0-5V, injector duty, MAF frequency)
12	Power 12V	16 AWG	Red	Main Power Connection, connect directly to positive battery terminal.

\*Note: If fluid tank is equipped with previous generation level sensor, identified by having two black wires, then pins 8 (white) and 9 (brown) may be connected to either of the two black sensor wires. The polarity is unimportant.

\*\*Note: If you need to extend the wires to mount the controller use at least 16 AWG wire for the pump **and** controller ground circuits and 18 AWG for the remainder.

## Optional System Upgrades

### Water/Methanol Injection FAILSAFE Device AEM P/N 30-3020/30-3020M

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Actively monitors the entire flow curve independent of pressure, continuously collecting flow vs. injection rate data so that any deviation from your established flow curve will trigger an alarm output that can be used to reduce boost or timing, change maps, add fuel, trigger a two-step or perform practically any action you choose to save your engine. It is PC programmable (with USB connectivity) which eliminates the guesswork when setting min/max threshold parameters. **HIGHLY RECOMMENDED** for all water/methanol injection systems

### Water/Methanol Injection Flow Gauge – AEM P/N 30-5141/30-5142

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Displays flow rate data on a smooth moving needle-type gauge that allows you to accurately monitor the status of your injection system in real time. Available in max flow rates of 500 cc/min or 1000 cc/min with a black or white face. The AEM water/methanol injection filter is **HIGHLY RECOMMENDED** when using this flow gauge.

### Water/Methanol Injection Filter – AEM P/N 30-3003

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Inline filter that uses a micronic mesh screen to filter out particles as small as 40 microns. Allows a cleaner flow of water/methanol into the injection pump, lines, and nozzles increasing overall system longevity. Injection filter is **HIGHLY RECOMMENDED** when using the AEM water/methanol injection flow gauge.

### Additional Nozzle Kit – AEM P/N 30-3012

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Includes one nozzle body, two jet sizes, and the necessary hardware to run a second nozzle in your injection system.

### 5 Gallon Tank – AEM P/N 30-3010

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Upgrade to a 5 gallon tank to maximize your fluid holding capacity. Includes level sensor and mounting hardware.