

Water/ Methanol Injection Kit Stage 4 PWM+



Water/ Methanol Injection Kit benefits:

- Decrease the manifold temperature.
- Prevent from melting the pistons by decreasing EGT.
- Increasing the total number of octane prevent knocking.
- Increase dynamic compression.
- Increase in combustion efficiency.
- Reduces carbon monoxide (CO) emissions.
- Reduces carbon dioxide (CO2) emission.
- · Reduces NOx emissions.
- Reduces HC emissions.

Water-Methanol Injection Kit features:

- When the pump start, led turn on and you can set the desired level.
- The kit has the latest technology digital equipment.
- Electronically controlled pump controller.
- All parts produced by methanol durable materials.
- Easy installation with special plugs.
- Optional transfer pump offers up to use.
- Optional horizontal float switch.

Stage 4 PWM+: The kit controlled via Standalone ECU.

Water/ Methanol Injection pump has no pressure cut off switch for eliminating any oscillation/pulsation. Internally bypasses for a smooth constant even flow at the nozzle.

The new integrated solenoid valve and the nozzle assembly offer 100% safety for all injection systems utilizing a rear-mounted reservoir, injection points under vacuum, or installs where the injection nozzle is lower than the water-methanol reservoir. The solenoid fits nozzle between the pump and injection point and locks fluid in place when not in use adding safety and peace of mind to any injection system. The solenoid mounted nozzle works as an injector style. Because of the reaction time is fast.

All metal equipment has the durability to corrosion of methanol and water, which constitute corrosion impact-resistant nickel-plated brass, brass and EPDM grade plastic material.

All of our products are guaranteed for 2 years against the fabricated problem from the date of receipt by you.

"Water/ Methanol Injection Stage 4 PWM+" connection and settings:

COLOR	FUNCTION	SECTION mm2	LENGHT
Yellow	ACC +12V	0,75	1 meter
Black	GND 0V	0,75	1 meter
Blue	Pump RED	0,50	4,5 meter
Brown	Pump BLACK - ECU PWM	0,50	4,5 meter
Red	Solenoid +	0.34	2,5 meter
Black	Solenoid -	0.34	2,5 meter
Green	System ARM +12v output signal	0,25	1 meter
Purple	ECU input	0,25	1 meter

The box contains:

- 1. High-Pressure Diaphragm pump
- 2. 2 x 3/8th NPT to 1/4" compression type fitting
- 3. Nozzle
- 4. Nozzle mounting bung
- 5. 40-micron stainless steel filter
- 6. Filter nut
- 7. Controller with wiring loom
- 8. Solenoid valve
- 9. 1/8th NPT to 1/4" compression type hose fitting
- 10. 1,15 Gallon/ 4,6 Quart/ 4,3 Liter plastic tank
- 11. Plastic tank cap
- 12. 1/8th NPT 100-micron in-tank filter
- 13. Rubber O-ring
- 14. 1/8th NPT to 1/4" compression type female fitting
- 15. 20 FT/6 meter 1/4" OD. red injection hose
- 16. Fuse holder
- 17.7.5 Amp fuse
- 18. On/ Off button
- 19. 4*Fully insulated female cable connector
- 20. Fully insulated Ground cable connector
- 21.5*zip tie
- 22. 4*screw for the controller
- 23. 2*screw and 2*washer for tank
- 24. 4*screw and 4*washer for pump
- 25. 3d sticker
- 26. 8,5*4,5cm sticker
- 27. 2 x 5*2,5cm sticker
- 28. Installation manual

Required for installation and adjustment:

Flathead screwdriver, side cutter, wrenches.

How to install your kit;

The Water/ Methanol Injection tube should be taken to the engine compartment passing through the sharp edges and pointed parts away from the under the upholstery of the car.

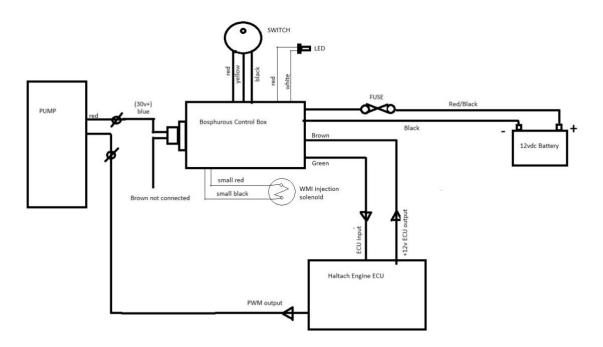
If you did not buy a low-pressure transfer pump: The water/ Methanol Injection pump should install in the luggage compartment below the tank.

If you buy a low-pressure transfer pump: The water/ Methanol Injection pump can be installed in the engine compartment.

The end of the nozzles is 1/8"-27 NPT male thread. The nozzle mounting bung should be weld on the intake pipe at a 90-degree angle and minimum 10 cm before the throttle body for better air to Water/ Methanol liquid mixture.

The on/off button should be visible on the inside of the car and should install reachable by the driver.

If you are using only water, the total nozzle cc is half of the power of your car cc. If you are using 50-50% water and methanol mixture, your car's power is cc-based. For example; only 200 cc/min for a 400 hp car using water, 400 cc/min if a methanol mixture is used.



Nozzles have a flow rating of your choice:

%100 water: 0,5cc/HP

%50-50 methanol/ water mixture: 1cc/HP %100 methanol/ water mixture: 2cc/HP

If you did not specify the size, we sent you a 247 ml/min. (3.9GPH).

How to set:

· When you don't want to use it, you can turn off the switch and it will not work.

There are two main methods to control the kit:

1- PWM setup: The purple and green cables are +12v switched. Please check the polarity.

Do not connect the Round socketed Pump brown cable to Pump. You have to connect Pump's black cable to your ECU's programmable PWM/ Frequency output. Please set the frequency maximum, Pump start PWM signal is %40 and Pump full is PWM signal %100.

You have to wire the WMI Controller's Brown Cable to your ECU's programmable output. For example Shift Light, NOS, etc.

WMI Pump PWM ratings:

%40 PWM ~ 0.5 Amps, 3 bar %70 PWM ~ 0.6 Amps, 7 bar %100 PWM ~ 0.8 Amps, 10 bar.

The Green Cable is optional use for WMI Kit switched on signal for ECU. The kit is switched on and the ECU can trigger the system signal. You do not have to wire this.

2- ON/ OFF setup: The purple and green cables are +12v switched. Please check the polarity.

You have to wire the WMI Controller's Purple Cable to your ECU's programmable output. For example Shift Light, NOS, etc.

The Green Cable is optional use for WMI Kit switched on signal for ECU. The kit is switched on and the ECU can trigger the system signal. You do not have to wire this.

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