



Congratulations on your purchase of our NeXT Series Ignition Condensor.

FEATURES

- advanced electronic device for reduced interferences when used with any automotive related electronic device
- perfect integration with ignition amplifiers, high output ignition coils and spark plugs
- enhanced voltage regulation and transient voltage control for added performance
- high quality plastics, epoxies and components
- enhanced RFI and EMI protection
- twin monitoring system for interference reduction and filtering

Mission Systems NeXT Ignition Condensor is the most required component for maintaining system integrity and signal quality. Top notch construction ensures lifetime use while reducing interference levels allowing for reliable system controll of any connected components. Developed for use with NASA's extremely sensitive DAS systems, Mission Ignition Systems NeXT Ignition Condensor is a standard component in NASA's aerospace ignition needs by filtering out harmful EMI / RFI energy allowing for clean ECU and system signals where flawless operation is required, which typically improves ECU performance and engine response.

INSTALLATION

PLEASE READ

Step 1

Mount the NeXT Series Ignition Condensor closest to the battery terminals.

Step 2

The heavy gauge black wire should be grounded as close to the negative battery post as possible.

Step 3

The white wire should now be tied to the noise source, which is ignition coil positive wiring. (all coils should be connected to the same battery source wire.

Step 4

Please note that it is very important to **ground the heavy black ground wires to the negative battery terminal or use a solid chassis ground using as little of the wire as possible. Improved performance will be realized by reducing this wire length so it is recommended to trim this wire to fit your application. A supplied eyelet is given and should be crimped on the two ground wires wire once it is trimmed to fit your application.**

into.

Installation notes.

- a) Prevent wrapping / twisting and sharp bends of the main ground wire. Do not place kinks or extremely tight bends on the wire.
- b) If possible trim excess wire to improve the response of the internal circuitry.

FAQ

Why are non-suppressor spark plugs suggested for use?

Our ignition condenser can now electronically eliminate interferences which allow for the use of a non-suppressor style spark plugs not typically used in an OEM applications. Non-suppressor spark plugs have many benefits that can be utilized with the use of our ignition coils including higher horsepower and better engine response. Essentially the new technology eliminates the weak link in the ignition while still providing protection to the electrical devices in the vehicle. The only way to technologically accomplish this is to implement one of our patent pending electrical systems which allows for the use of non-suppressor spark plugs. Using a suppressor style spark plug only diminishes the gains that can otherwise be achieved with our NeXT Ignition Condenser.

What gap size should I use?

Mission Systems highly suggests to initially use a gap size that you know works. This is the first step in optimizing your ignition system. When things are operating properly it is suggested to open up gap in 0.002 increments until optimal gap size without blowout is reached then back off gap size by 0.004. It should also be noted that inoperable or poorly functioning charging systems greatly reduce the output and capability of the system and ignition coils.

***WARRANTY**

Mission Systems guarantees this product free from defects and workmanship and includes a lifetime warranty if installed by a qualified professional. Products that fail will be replaced at Mission Systems option when product quality has been marked as the failing issue. This warranty does not include abuse, misuse, modification or improper installation of the product. Warranty is limited to the product only and shall not be liable in part or whole for any special, incidental or consequential damages or costs that may occur with this product. The foregoing is exclusive and in lieu of any other warranties either expressed or implied and is valid only to the original purchaser. During a return product must be accompanied by an RGA number and must be received within 30 days of RGA issue. Mission Systems may at our discretion charge appropriate handling and shipping fees back to original purchaser if product is found to be in operating condition. Minimum \$9 handling fee on returned product to be charged for processing.