



Congratulations on your purchase of WeaponX Level 2 TEFX ignition coils.

We are sure you will enjoy your purchase for years to come.

## FEATURES

- quad insulators which help eliminate spark flash over and cope with high voltage spark events
- perfect integration with ignition amplifiers
- high quality plastics and epoxies
- OEM fit and finish
- enhanced RFI and EMI protection
- plug and play
- high quality/tension connection points
- high tension terminals
- high output coils designed to grow with ignition upgrades
- hotter and longer duration spark output



WeaponX Tower EFX ignition coils are a total balanced ignition coil package that makes no sacrifices

in material or ignition quality. Top notch construction ensures you won't have any broken tabs or connectors, zero spark arching due to inferior material quality, no misfire due and seals that perform to OEM specs.

Tower EFX ignition coils also use an innovative progressive gain design that reliably increases power output as you improve your ignition without the worries or hassles of an ignition coil not meant for increased input power. Unlike other brands as your ignition grows so do the Tower EFX ignition coils.

Please Note - it is suggested that high end coreless designed plugs are used with the Tower EFX ignition coils for improved performance characteristics.

## INSTALLATION

### PLEASE READ

This installation procedure will detail installation basics and tech tips on how to reliably improve your vehicles ignition system with your ignition coil upgrade. It is imperative to follow these steps or proper ignition coil performance will not be realized.

#### Step 1

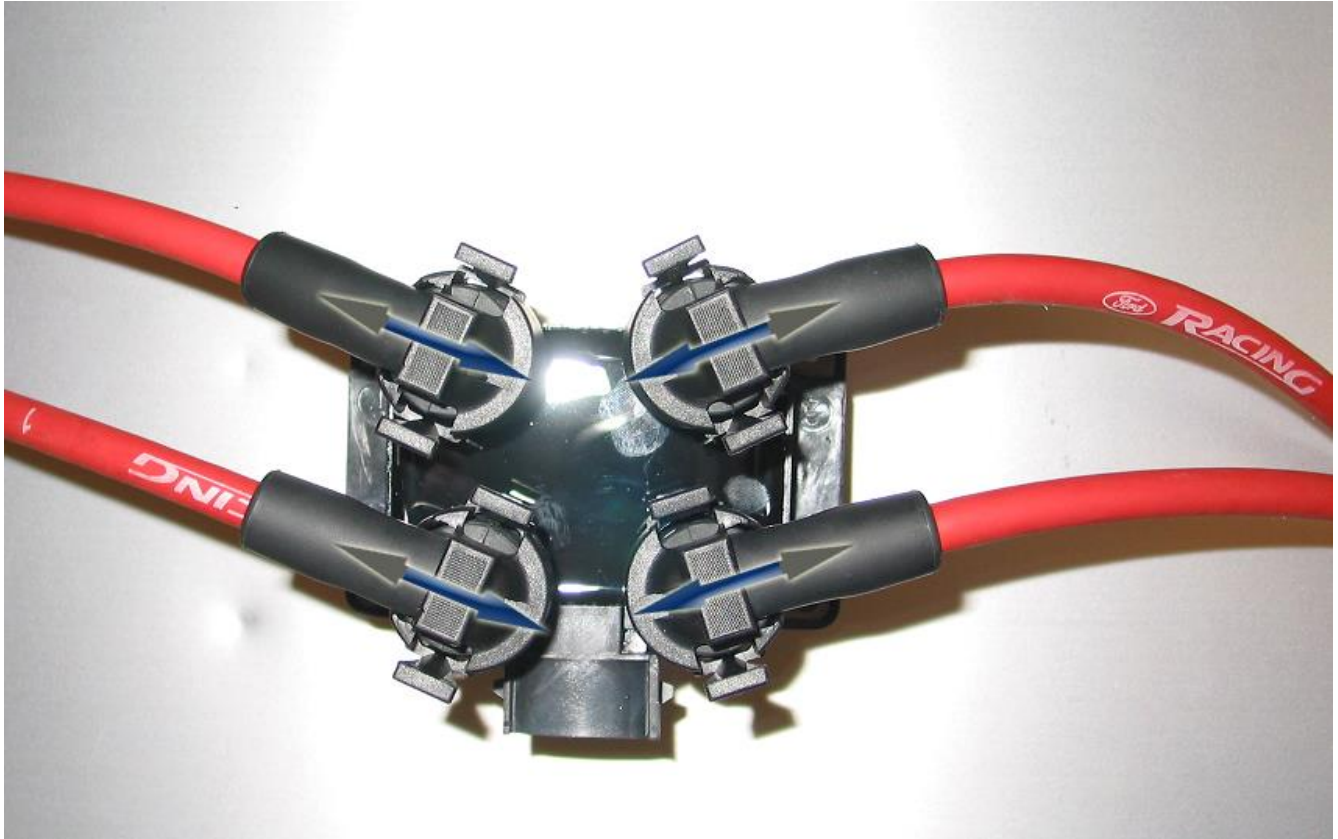
Make sure the ignition wire on the ignition coil end is straight and centered to the wire. If it is not centered it will prevent the ignition wire from fully seating on the ignition coil preventing the most performance from the ignition coil.



Make certain wire is centered to the clasps.

#### Step 2

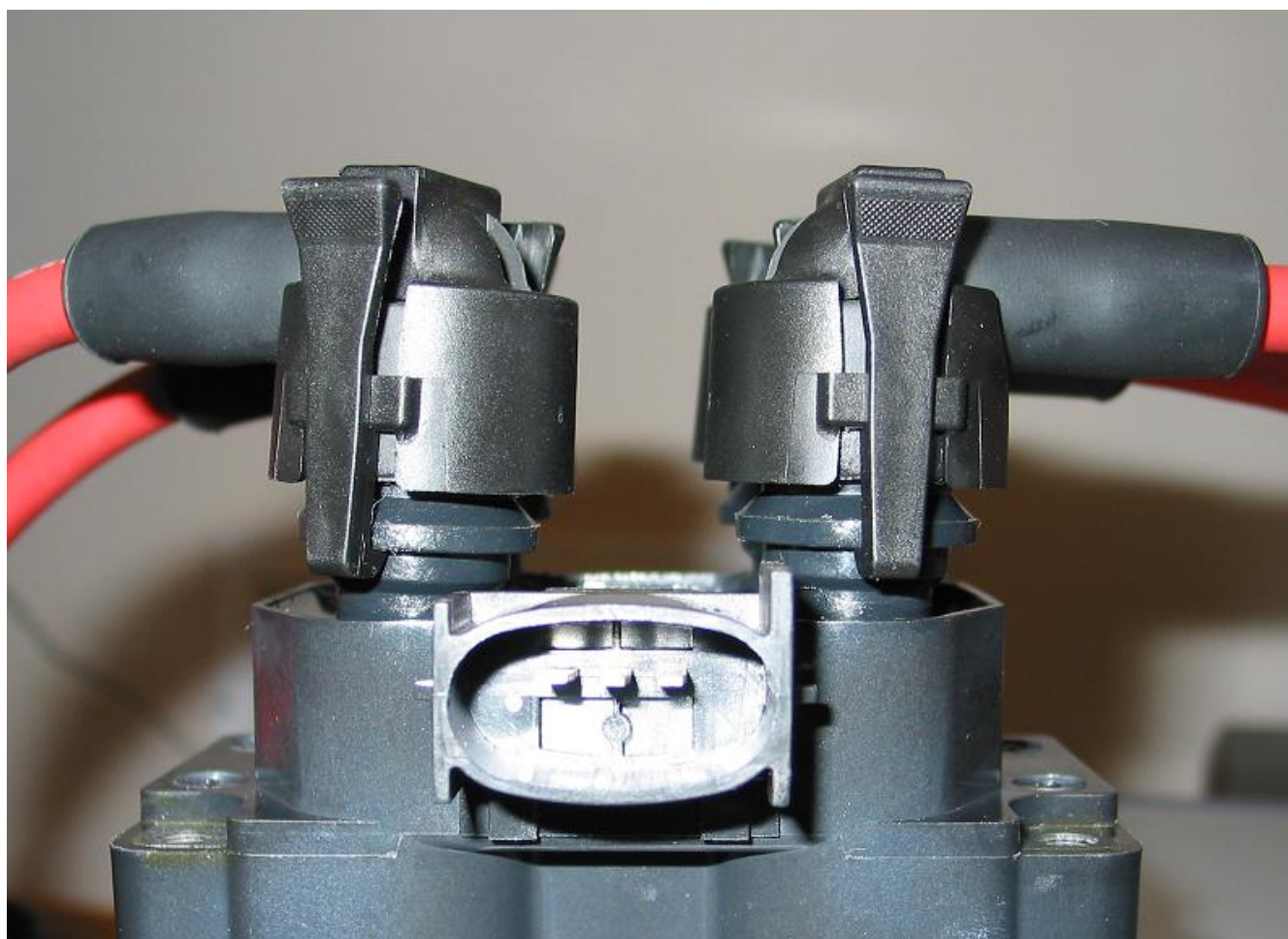
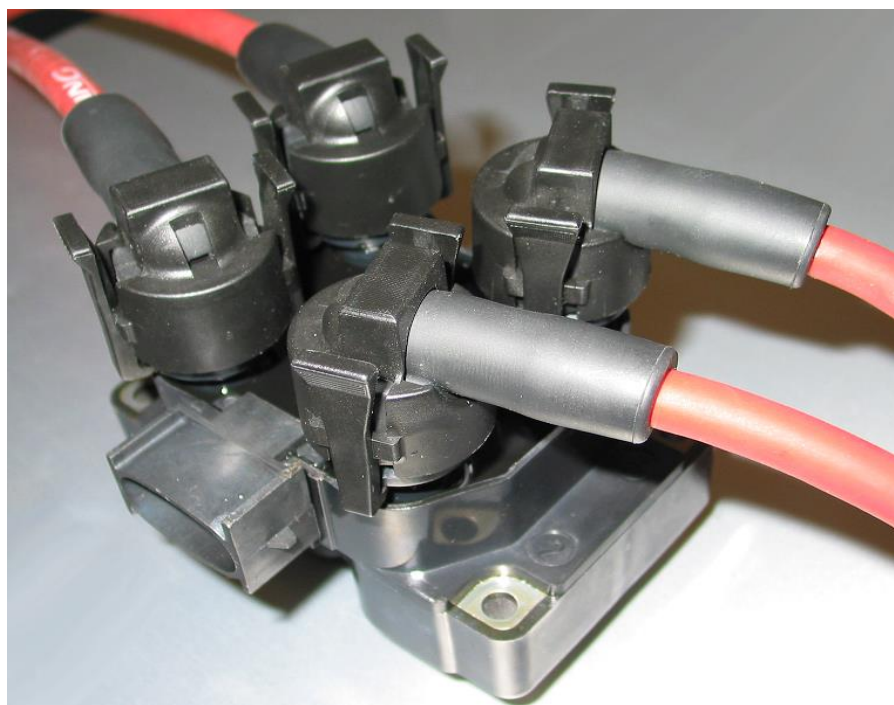
Install all plug wires in the same spot as the OEM ignition coils\* see *Appendix A for 6 cylinder TowerEFX*. When installing the spark plug wire make sure the ignition wire stays centered and **SLOWLY** place the ignition wire on the coil terminal while **SLOWLY** moving the wire **FORE and AFT**. The ignition wire will click into place **TWICE** and the clasps will seat on the towers. If the clasps do not seat **DO NOT** use a tie wrap to force the terminals to stay in place. If the wire is coming off the



terminal the spark plug wire is not properly seated in the high retention / high output brass terminal.

### Step 3

Repeat the above process for all wires. The installation should show that the terminals are all seated properly and sitting on the towers as shown below.



Notice all the clasps are FIRMLY sitting on the towers with a proper installation.

#### Step 4

The Tower EFX ignition coil is equipped with an easy slide tab on the PCM connector. It is not necessary to alter this tab because it allows the connecting PCM adapter to quickly be removed if required. If the user wishes to have the PCM connector click and stay in place they can opt to trim the tab at a 90 degree angle to prevent it from sliding off.

#### Step 5

Although it is not required, with the added power output of the ignition system it is HIGHLY recommended to use a 4 gauge or larger ground strap tied from your battery negative terminal to the engine block as well as your vehicle frame. This will aid in reducing RFI/EMI and increase power output of the ignition coils by improving electrical conduction to the ignition system. The Tower EFX ignition coils require more than 12 volts to fire properly. In a system that does not supply the proper voltage our ignition coils may not operate properly. Also, if possible, upgrading the alternator supply wire size greatly improves system efficiency and ignition coil performance.

Replace all engine hardware, you have now completed the installation process of your new racing ignition coils!

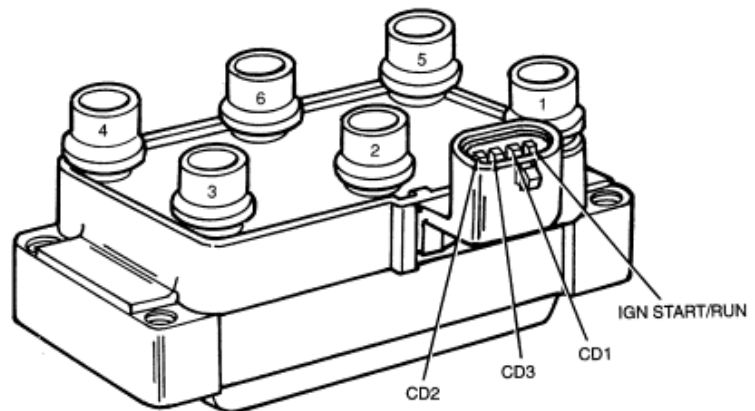
#### NOTES

These ignition coils have the potential to lean out an engine combination. Please take care and take necessary precautions to avoid and damaging conditions after ignition coil installation.

### APPENDIX A

#### 6 CYLINDER TOWER EFX ONLY

In applications where this coil replaces the horizontal style connector move the ignition wire in position 4 to position 5 and the ignition wire in position 3 to position 1. Alternatively reversing the ignition coil pins in position CD1 and position CD2 will have the same effect.



## FAQ

### **What gap size should I use?**

WeaponX 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 with our limited lifetime warranty if installed by a qualified professional. Products that fail will be replaced at Mission Ignition 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 ignition coils 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. WeaponX may at our discretion charge appropriate handling and shipping fees. Limited lifetime warranty is pro rated as per current listed guidelines on [www.missionignitionsystems.com](http://www.missionignitionsystems.com)

