



WeaponX Active Cooled Coil Cover Technology

The creation of a high quality ignition system has been a challenging process for OEMs that has taken many years in research and development. Recently, technology has introduced to the automotive market the next generation of high performance ignition coils which offer the latest in ignition technology for improved spark output and engine reliability. WeaponX has integrated this new technology and pioneered new technology that takes ignition systems to the next level.

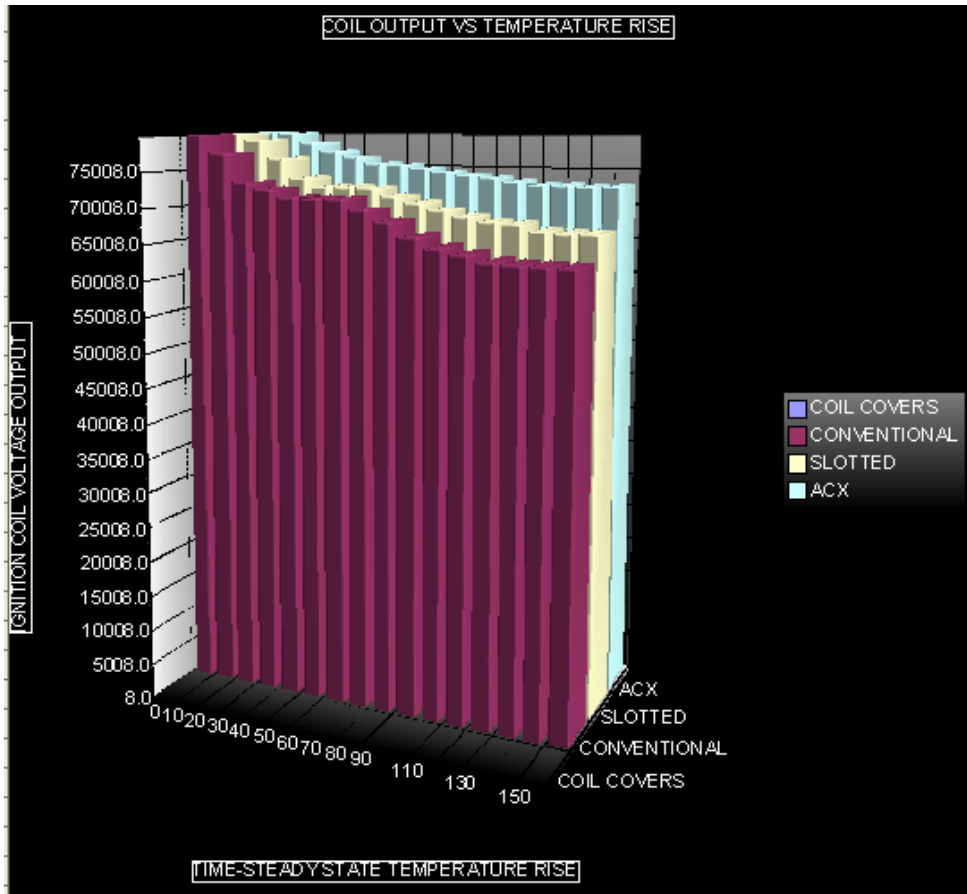
While WeaponX's true coil on plug technology is the next generation in high output ignition components a reliable means of cooling the system electronics is needed in order to achieve optimal performance and extended service life. The solution, the all new WeaponX ACX (Active Cooled XCOP) coil cover system.

This system is engineered to reduce ambient ignition coil temperature and includes self sustaining and rpm adjusting fan units which can spin to a maximum of 9000rpm allowing for optimal ignition coil operating temperatures. A strong spark requires high voltage and in order to maintain high voltage in stressful environments cool operating environments are ideal.

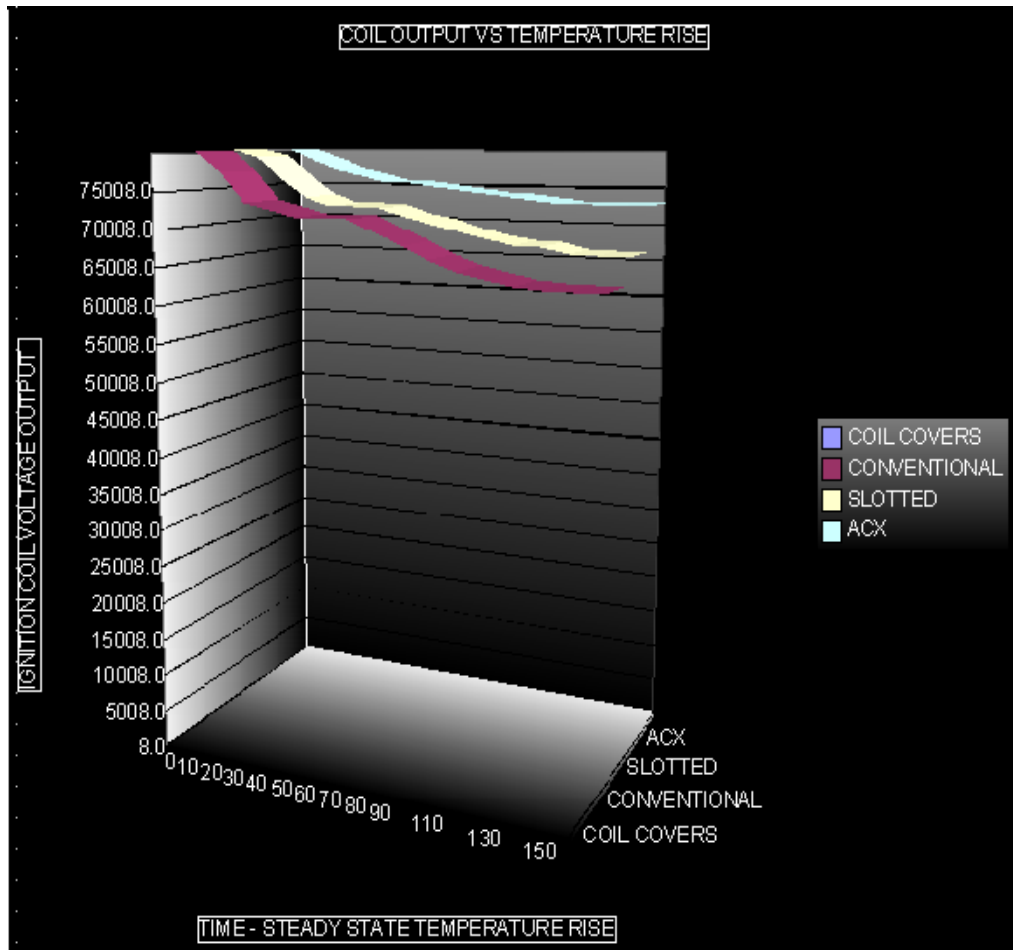
Electrical devices simply do not like heat and unfortunately for the Ford 4V platform the ignition coils are encased within the engine causing excessive heat and eventually ignition coil power drop. WeaponX's exclusive coil cover design is made to successfully alleviate this stress on the 4V ignition coils.

During a steady state temperature rise a high output ignition coil can drop in output by as much as 25% when not cooled effectively.

COIL – STEADY STATE TEMPERATURE RISE TEST 1



COIL – STEADY STATE TEMPERATURE RISE TEST 2



The ACX coil covers help maintain an ideal operating environment for the ignition coils causing less than a 9% power reduction vs 25% for a standard ignition coil cover in the same environment. Just like any other electronic device, proper cooled environments mean better stability, higher performance and enhanced service life.

The ACX ignition coil covers deliver un-compromised performance, enhanced appearance over the OEM style coil covers all while cooling the coil environment for optimal ignition power output. The ACX coil covers come standard with 9000rpm fan units and have an optional filter kit available for filtering out debris and dirt.



For un-compromised performance the choice is clear.

WeaponX Performance
ACX Coil Covers
519-341-4125