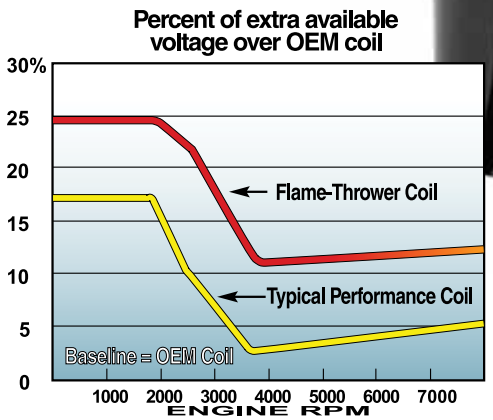
Flame-Thrower®

40,000 VOLT CANISTER COILS

While it's the perfect coil to go with the PerTronix Ignitor breakerless ignition, our 40,000 volt Flame-Thrower canister coil can benefit virtually any distributor type inductive system. Its higher voltage allows larger spark plug gaps for added power, smoother response and better fuel economy. These coils are internally resisted so installation and wiring is drastically simplified. Our oil filled coils offer great heat control for street driven vehicles, while our epoxy filled coils provide superior winding support for high vibration environments in off-road vehicles and boats.

FEATURES

- 40,000 volts.
- Available chrome plated or black for that "stock look."
- For use with inductive ignition systems.
- 1.5 or 3.0 Ohm primary resistance values available.
- Legal in all 50 states and Canada. (C.A.R.B. E.O. #D-57-21)
- Limited 90 Day Warranty.



Eight cylinder engine with PerTronix Ignitor installed.

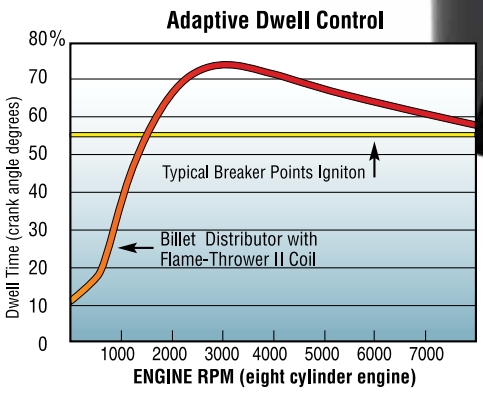
Flame-Thrower® II

45,000 VOLT CANISTER COILS

Flame-Thrower II coils feature a very low resistance which make them the ideal coil for Ignitor II ignition systems as well as many other high performance ignitions. Low resistance and improved turns ratio help to produce up to 45,000 volts. This higher voltage enables you to run larger spark plug gaps for added power and better fuel economy. These coils are also compatible with most capacitive discharge boxes including our own Second Strike.

FEATURES

- 45,000 volts.
- Available chrome plated or black for that "stock look."
- For use with inductive or CD ignition systems.
- Low 0.6 Ohm primary resistance.
- Legal in all 50 states and Canada. (C.A.R.B. E.O. #D-57-21)
- Limited 90 Day Warranty.



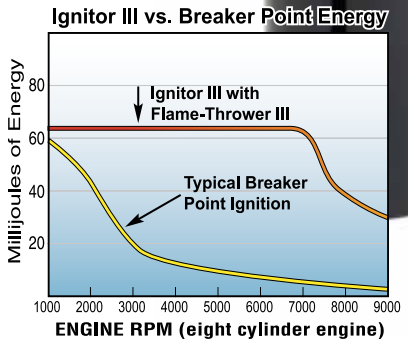
Flame-Thrower® III

45,000 VOLT CANISTER COILS

Flame-Thrower III coils feature an ultra low resistance and are designed specifically for the Ignitor III ignition system. Flame Thrower III coils have a high turns ratio and ultra low primary resistance enabling the ignition system to charge faster at high RPM's.

FEATURES

- 45,000 volts.
- Ultra Low 0.32 primary resistance.
- Compatible with Ignitor III systems as well as most capacitive discharge systems.
- Charges to peak current typically 30-70% faster than other coils.
- Rapid charge time means maximum spark energy is sustained to higher engine RPM.
- Legal in all 50 states and Canada. (C.A.R.B. E.O. #D-57-21)
- Limited 90 Day Warranty.



APPLICATION CHART

Ignition Type	System Voltage	Resistance	Application	28,000 Volts	40,000 Volts	45,000 Volts
IGNITOR® or points	12V	3 Ω	4 & 6 cylinder engines	28010	40501, 40511 40611	
	12V	1.5 Ω	8 cylinder engine		40001, 40011 40111	
	6V	1.5 Ω	4 & 6 cylinder engines		40001, 40011 40111	
	6V	0.6 Ω	8 cylinder engines			45001, 45011 45111
Ignitor II	12V	0.6 Ω	4, 6 and 8 cylinder engines			45001, 45011 45111
Ignitor III	12V	0.32 Ω	4, 6 and 8 cylinder engines			44001, 44011

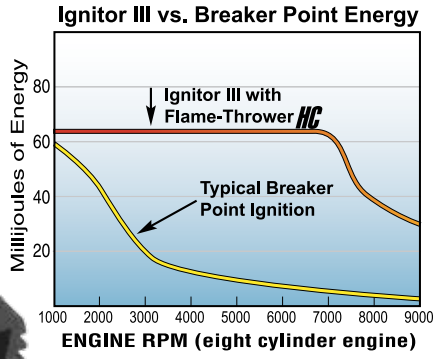
Note: Shaded area of application chart applies to positive ground as well as negative ground applications.

Part No.	Description	Finish	Turn Ratio	Primary Resistance	Secondary Resistance	Primary Inductance	Maximum Voltage	Height	Diameter
FLAME-THROWER 40,000 VOLT COILS									
40001	Flame-Thrower Oil Filled	Chrome	100:1	1.5 Ohms	9.0k Ohms	6.4mH	40,000	6.0"	2.15"
40011	Flame-Thrower Oil Filled	Black	100:1	1.5 Ohms	9.0k Ohms	6.4mH	40,000	6.0"	2.15"
40501	Flame-Thrower Oil Filled	Chrome	80:1	3.0 Ohms	9.0k Ohms	10.0mH	40,000	6.0"	2.15"
40511	Flame-Thrower Oil Filled	Black	80:1	3.0 Ohms	9.0k Ohms	10.0mH	40,000	6.0"	2.15"
40111	Flame-Thrower Epoxy Filled	Black	100:1	1.5 Ohms	9.0k Ohms	6.4mH	40,000	6.0"	2.15"
40611	Flame-Thrower Epoxy Filled	Black	80:1	3.0 Ohms	8.5k Ohms	10.0mH	40,000	6.0"	2.15"
FLAME-THROWER II 45,000 VOLT COILS									
45001	Flame-Thrower II Oil Filled	Chrome	100:1	0.6 Ohms	9.0k Ohms	6.0mH	45,000	6.0"	2.15"
45011	Flame-Thrower II Oil Filled	Black	100:1	0.6 Ohms	9.0k Ohms	6.0mH	45,000	6.0"	2.15"
45111	Flame-Thrower II Epoxy Filled	Black	100:1	0.6 Ohms	9.0k Ohms	6.0mH	45,000	6.0"	2.15"
FLAME-THROWER III 45,000 VOLT HIGH CURRENT COILS									
44001	Flame-Thrower III Oil Filled	Chrome	110:1	0.32 Ohms	7.0k Ohms	2.5mH	45,000	6.0"	2.15"
44011	Flame-Thrower III Oil Filled	Black	110:1	0.32 Ohms	7.0k Ohms	2.5mH	45,000	6.0"	2.15"
SPECIALITY INDUSTRIAL COIL									
28010	Oil Filled	Black	50:1					6.0"	2.15"
UNIVERSAL COIL BRACKETS									
10001	Coil bracket	Zinc							
10002	Coil bracket	Chrome							

Flame-Thrower HC

60,000 VOLT COIL

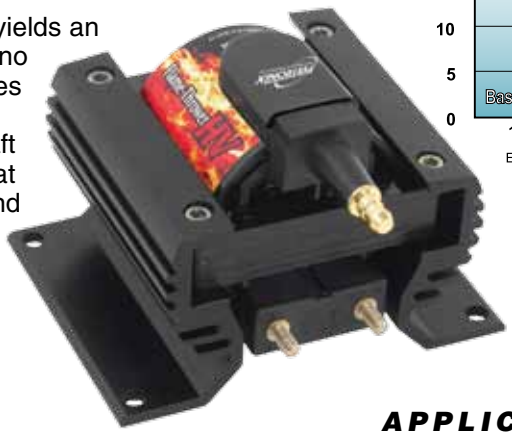
HC (HIGH CURRENT) E-core coils are engineered specifically for our Ignitor III ignition modules. HC coils have a high turns ratio and ultra low primary resistance enabling the ignition system to charge faster at high RPM's. The coil is supported in a special heat sink made from aircraft 6063 T5 aluminum which efficiently transfers heat away from the windings.

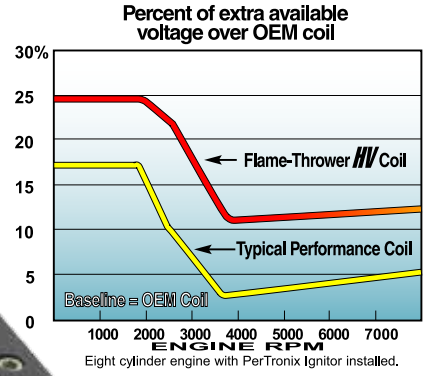


Flame-Thrower HV

60,000 VOLT COIL

Our HV (HIGH VOLTAGE) E-core design yields an incredible 60,000 volts and operates with no degradation throughout temperature ranges that surpass military specifications. The special heat sink design made from aircraft 6063 T5 aluminum efficiently transfers heat optimizing energy output for street/strip and off road applications. Flame-Thrower HV .45 ohm coils are also compatible with most capacitive discharge boxes including our own Second Strike.





FEATURES

- 60,000 volts.
- Highly efficient E-core design.
- Vacuum potted body for longer life and increased reliability.
- 6063 T5 aluminum heat sink with black anodized corrosion resistant finish.
- Precision machined male high tension terminal and brass primary terminals.
- Legal in all 50 states and Canada. (C.A.R.B. E.O. #D-57-21)
- Limited 90 Day Warranty.

APPLICATION CHART

Ignition Type	Application	Part No.
IGNITOR or points	4 & 6 cylinder engines	60130
	8 cylinder engine	60115
Ignitor II	4, 6 and 8 cylinder engines	60104
Ignitor III	4, 6 and 8 cylinder engines	60103

Note: Shaded area of application chart applies to positive ground as well as negative ground applications.

Part No.	Description	Finish	Turn Ratio	Primary Resistance	Secondary Resistance	Primary Inductance	Maximum Voltage	Length	Width	Height
60,000 VOLT HV COILS										
60104	HV Epoxy Filled E-core design	Black	90:1	0.45 Ohms	7.3k Ohms	3.8mH	60,000	4.6"	4.65"	3.15"
60115	HV Epoxy Filled E-core design	Black	85:1	1.5 Ohms	14.0k Ohms	6.4mH	60,000	4.6"	4.65"	3.15"
60130	HV Epoxy Filled E-core design	Black	85:1	3.0 Ohms	22.8k Ohms	9.0mH	60,000	4.6"	4.65"	3.15"
60,000 VOLT HC COILS										
60103	HC Epoxy Filled E-core design	Black	110:1	0.32 Ohms	7.0k Ohms	2.5mH	60,000	4.6"	4.65"	3.15"

50,000 VOLT E-CORE COILS

Flame-Thrower E-Core coils feature optimized winding design to maximize spark gap current and available voltage. When teamed with Flame-Thrower ignition modules they produce 100% more energy across the spark plug gap (during a one millisecond burn time) compared to the OEM coil. Select one of our matching Flame-Thrower ignition modules on page 49 for a performance proven combo.

FEATURES

- 50,000 volts.
- Ultra low primary resistance values
- Limited 90 Day Warranty.
- Legal in all 50 states and Canada (C.A.R.B. E.O. #D-57-21)

GM HEI COIL (YELLOW WIRE)

D3000

Replaces internal GM coils with black, yellow and red wires.

GM HEI COIL (WHITE WIRE)

D3001

Replaces internal GM coils with black, white and red wires.

GM HEI COIL "RACE ONLY"

D3070

"Race Only" coils when paired with race modules produce 42% more energy than our street/strip version with 46% faster spark breakdown time allowing 48% more peak current to reach the spark plug between 6000 and 8500 RPM. Includes all necessary hardware.

GM REMOTE E-CORE COIL

D3002

Replaces remote GM coils found on 1985-95 Buick, Cadillac, Chevrolet, Oldsmobile and Pontiac vehicles.

FORD TFI E-CORE COIL

D3003

Flame-Thrower 50,000 volt TFI style coils breath new life into your 1982-96 Ford, Lincoln and Mercury ignition system. For maximum performance use our Flame-Thrower ignition TFI module found on page 49.

Part No.	Description	Finish	Turn Ratio	Primary Resistance	Secondary Resistance	Primary Inductance	Maximum Voltage	Matching Module
FLAME-THROWER 50,000 VOLT E-CORE COILS								
D3000	GM internal E-core coil with yellow wire	Black	80:1	0.5 Ohms	8.3k Ohms	4.4mH	50,000	D2000/D2001
D3001	GM internal E-core coil with white wire	Black	80:1	0.5 Ohms	8.3k Ohms	4.4mH	50,000	D2000/D2001
D3070	GM internal Racing E-core coil	Black	90:1	0.35 Ohms	8.0k Ohms	2.8mH	50,000	D2070
D3002	GM Remote E-core coil	Black	110:1	0.32 Ohms	6.8k Ohms	2.5mH	50,000	D2002
D3003	Ford TFI E-core coil	Black	90:1	0.32 Ohms	6.0k Ohms	2.8mH	50,000	D2010

FLAME THROWER LS COILS FOR GM ENGINES

Flame-Thrower Coils GM LS engines feature an optimized coil design for improved spark energy. Our coils are epoxy molded to prevent premature failure from moisture or winding fatigue. Direct OEM replacement form factor and connections means simple installation. Available individually or in sets of 8.

GM LS1/LS6 COIL

30821

GM LS2/LS7 COIL

30831

GM LS TRUCK COIL

30841

FEATURES

- Optimized coil design for improved spark energy.
- Provides consistent spark energy throughout the RPM range and with no energy degradation up to 11,000 engine RPMs.
- Moisture resistant construction ensures long life in harsh environments.
- Plated terminals for added current conduction.
- Epoxy molded for shock and vibration resistance.
- Direct OEM replacement.
- Legal in all 50 states and Canada.(C.A.R.B. E.O. #D-57-21)
- Limited 90 Day Warranty.

Part No.	Description	OEM Cross Reference	Turn Ratio	Primary Resistance	Secondary Resistance	Primary Inductance	Maximum Voltage
FLAME-THROWER COILS							
30821	GM LS1/LS6 (single coil)	AC-Delco # D580 / GM # 12558948	58:1	0.8 Ohms	7.5k Ohms	3.6mH	30,000
30828	GM LS1/LS6 (8 coils)	AC-Delco # D580 / GM # 12558948	58:1	0.8 Ohms	7.5k Ohms	3.6mH	30,000
30831	GM LS2/LS3/LS7 (single coil)	AC-Delco # D514A / GM # 12573190	83:1	0.72 Ohms	8.1k Ohms	2.06mH	32,000
30838	GM LS2/LS3/LS7 (8 coils)	AC-Delco # D514A / GM # 12573190	83:1	0.72 Ohms	8.1k Ohms	2.06mH	32,000
30841	GM LS Truck (single coil)	AC-Delco # D585 / GM # 10457730, 12563293	73:1	1.05 Ohms	11.6k Ohms	4.5mH	35,000
30848	GM LS Truck (8 coils)	AC-Delco # D585 / GM # 10457730, 12563293	73:1	1.05 Ohms	11.6k Ohms	4.5mH	35,000

Year	Model	Single	Set of 8
BUICK			
2009	Allure	30831	30838
2009	LaCrosse	30831	30838
2004-05	Rainier	30841	30848
2006-07	Rainier	30831	30838
CADILLAC			
2004-05	CTS	30821	30828
2006-07	CTS	30831	30838
2002-06	Escalade	30841	30848
2007-13	Escalade	30831	30838
2003-06	Escalade ESV	30841	30848
2007-13	Escalade ESV	30831	30838
2002-06	Escalade EXT	30841	30848
2007-13	Escalade EXT	30831	30838
2007-13	Avalanche	30831	30838
2002-06	Avalanche 1500	30841	30848
2002	Avalanche 2500	30821	30828
2003-06	Avalanche 2500	30841	30848
CHEVROLET			
2001-03	C3500	30821	30828
2001-02	C3500HD	30821	30828
1998-02	Camaro	30821	30828
2010-13	Camaro	30831	30838
2010-13	Cheyenne	30831	30838
2007-09	Cheyenne 2500	30831	30838
2009-12	Colorado	30831	30838
1997-04	Corvette	30821	30828
2005-13	Corvette	30831	30838
2003-07	Express 1500	30841	30848
2008-13	Express 1500	30831	30838
2003-07	Express 2500	30841	30848
2008-13	Express 2500	30831	30838
2001-02	Express 3500	30821	30828
2003-07	Express 3500	30841	30848
2008-13	Express 3500	30831	30838
2010-12	Express Pasajeros	30831	30838
2006-09	Impala	30831	30838
2006	Monte Carlo	30841	30848
2007	Monte Carlo	30831	30838
1999-06	Silverado 1500	30841	30848
2007-14	Silverado 1500	30831	30838
2001-07	Silverado 1500 HD	30841	30848
1999-06	Silverado 2500	30841	30848
2007-09	Silverado 2500	30831	30838
2001-02	Silverado 2500 HD	30821	30828
2001-07	Silverado 2500 HD	30841	30848
2008-13	Silverado 2500 HD	30831	30838
2001-02	Silverado 3500	30821	30828
2001-07	Silverado 3500	30841	30848
2007-09	Silverado 3500	30831	30838
2007	Silverado 3500 HD	30841	30848
2008-13	Silverado 3500 HD	30831	30838
2003-06	Sonora	30841	30848
2003-04	SSR	30841	30848
2005-06	SSR	30831	30838
2000-06	Suburban 1500	30841	30848
2007-13	Suburban 1500	30831	30838
2001-02	Suburban 2500	30821	30828
2000-06	Suburban 2500	30841	30848
2007-13	Suburban 2500	30831	30838
2000-06	Tahoe	30841	30848
2007-13	Tahoe	30831	30838
2006-09	Trailblazer	30831	30838
2003-04	Trailblazer EXT	30841	30848
2005-06	Trailblazer EXT	30831	30838

Year	Model	Single	Set of 8
GMC			
2001-02	C3500	30821	30828
2001-02	C3500HD	30821	30828
2009-12	Canyon	30831	30838
2005-09	Envoy	30831	30838
2003-04	Envoy XL	30841	30848
2005-06	Envoy XL	30831	30838
2004	Envoy XUV	30841	30848
2005	Envoy XUV	30831	30838
2003-07	Savana 1500	30841	30848
2008-13	Savana 1500	30831	30838
2003-07	Savana 2500	30841	30848
2008-13	Savana 2500	30831	30838
2001-02	Savana 3500	30821	30828
2003-07	Savana 3500	30841	30848
2008-13	Savana 3500	30831	30838
2007-13	Sierra	30831	30838
1999-07	Sierra 1500	30841	30848
2008-14	Sierra 1500	30831	30838
2001-07	Sierra 1500 HD	30841	30848
1999-04	Sierra 2500	30841	30848
2001-02	Sierra 2500 HD	30821	30828
2001-07	Sierra 2500 HD	30841	30848
2008-13	Sierra 2500 HD	30831	30838
2001-02	Sierra 3500	30821	30828
2001-07	Sierra 3500	30841	30848
2007	Sierra 3500 HD	30841	30848
2008-13	Sierra 3500 HD	30831	30838
2001	Sierra C3	30841	30848
2000-06	Yukon	30841	30848
2007-13	Yukon	30831	30838
2000-06	Yukon XL 1500	30841	30848
2007-13	Yukon XL 1500	30831	30838
2001-02	Yukon XL 2500	30821	30828
2000-06	Yukon XL 2500	30841	30848
2007-13	Yukon XL 2500	30831	30838
HUMMER			
2003-07	H2	30841	30848
2008-09	H2	30831	30838
2009-10	H3T	30831	30838
PONTIAC			
2098-02	Firebird	30821	30828
2008-09	G8	30831	30838
2005-08	Grand Prix	30831	30838
2004	GTO	30821	30828
2005-06	GTO	30831	30838

CUSTOM AND UNIVERSAL WIRE SETS FOR LS ENGINES CAN BE FOUND IN THE WIRES SECTION OF THIS CATALOG

30,000 VOLT COIL ON PLUG FOR FORD ENGINES

Flame-Thrower Coils for 2, 3 and 4 valve Ford engines feature an optimized coil design which increases the spark energy by 15% over the OEM coils. Our coils are epoxy molded to prevent premature failure from moisture or winding fatigue. Direct OEM replacement form factor and connections for simple installation. Available individually or in sets of 8.

FEATURES

- Optimized coil design yields at least 15% more energy available for the spark than the most common OEM coils.
- Provides the spark energy throughout the RPM range and with noenergy degradation up to 11,000 engine RPMs.
- Moisture resistant construction ensures long life in harsh environments.
- Plated Copper terminals for added current conduction.
- High-temp boot sustains seal and form.
- Epoxy molded for shock and vibration resistance.
- Ferrite suppressed secondary path reduces radiated electrical energy
- Direct OEM replacement.
- Limited 90 Day Warranty.

Year	Model		Single	Set of 8
UNIVERSAL				
All	4.6L/5.4L/6.8L modular engines	2 Valve Engine	30721	30728
All	4.6L/5.4L modular engines	3 Valve Engine	30731	30738
All	4.6L/5.4L modular engines	4 Valve Engine	30741	30748
FORD				
1998-09	Crown Victoria	2 Valve Engine	30721	30728
1997-03	E Super Duty	2 Valve Engine	30721	30728
1997-05	E-150	2 Valve Engine	30721	30728
1997-09	E-250, E-350	2 Valve Engine	30721	30728
2003-09	E-450	2 Valve Engine	30721	30728
2000-05	Excursion	2 Valve Engine	30721	30728
1997-04	Expedition	2 Valve Engine	30721	30728
2005-08	Expedition	3 Valve Engine	30731	30738
2002-06	Explorer	2 Valve Engine	30721	30728
2007-08	Explorer, Sport Trac	3 Valve Engine	30731	30738
2004-08	F-150	3 Valve Engine	30731	30738
1997-09	F-150	2 Valve Engine	30721	30728
1997-99	F-250	2 Valve Engine	30721	30728
1999-04	F-250, F-350, F450	2 Valve Engine	30721	30728
2005-08	F-250, F-350, F-450, F550	3 Valve Engine	30731	30738
1999-04	F53	2 Valve Engine	30721	30728
2006-08	F53	3 Valve Engine	30731	30738
1999-04	F-550 Super Duty	2 Valve Engine	30721	30728
2005-06	GT	4 Valve Engine	30741	30748
1999-04	Mustang	2 Valve Engine	30721	30728
1999-04	Mustang Cobra	4 Valve Engine	30741	30748
2003-04	Mustang GT	4 Valve Engine	30741	30748
2005-08	Mustang	3 Valve Engine	30731	30738
2007-09	Mustang	4 Valve Engine	30741	30748
LINCOLN				
2002	Blackwood	2 Valve Engine	30721	30728
2005-08	Mark LT	3 Valve Engine	30731	30738
2005-08	Navigator	3 Valve Engine	30731	30738
1998-99	Navigator	2 Valve Engine	30721	30728
1998-09	Town Car	2 Valve Engine	30721	30728
MERCURY				
1998-09	Grand Marquis	2 Valve Engine	30721	30728
2003-04	Marauder	2 Valve Engine	30721	30728
2002-06	Moutaineer	2 Valve Engine	30721	30728
2007-08	Moutaineer	3 Valve Engine	30731	30738

2V ENGINE COIL ON PLUG

30721

3V ENGINE COIL ON PLUG

30731

4V ENGINE COIL ON PLUG

30741