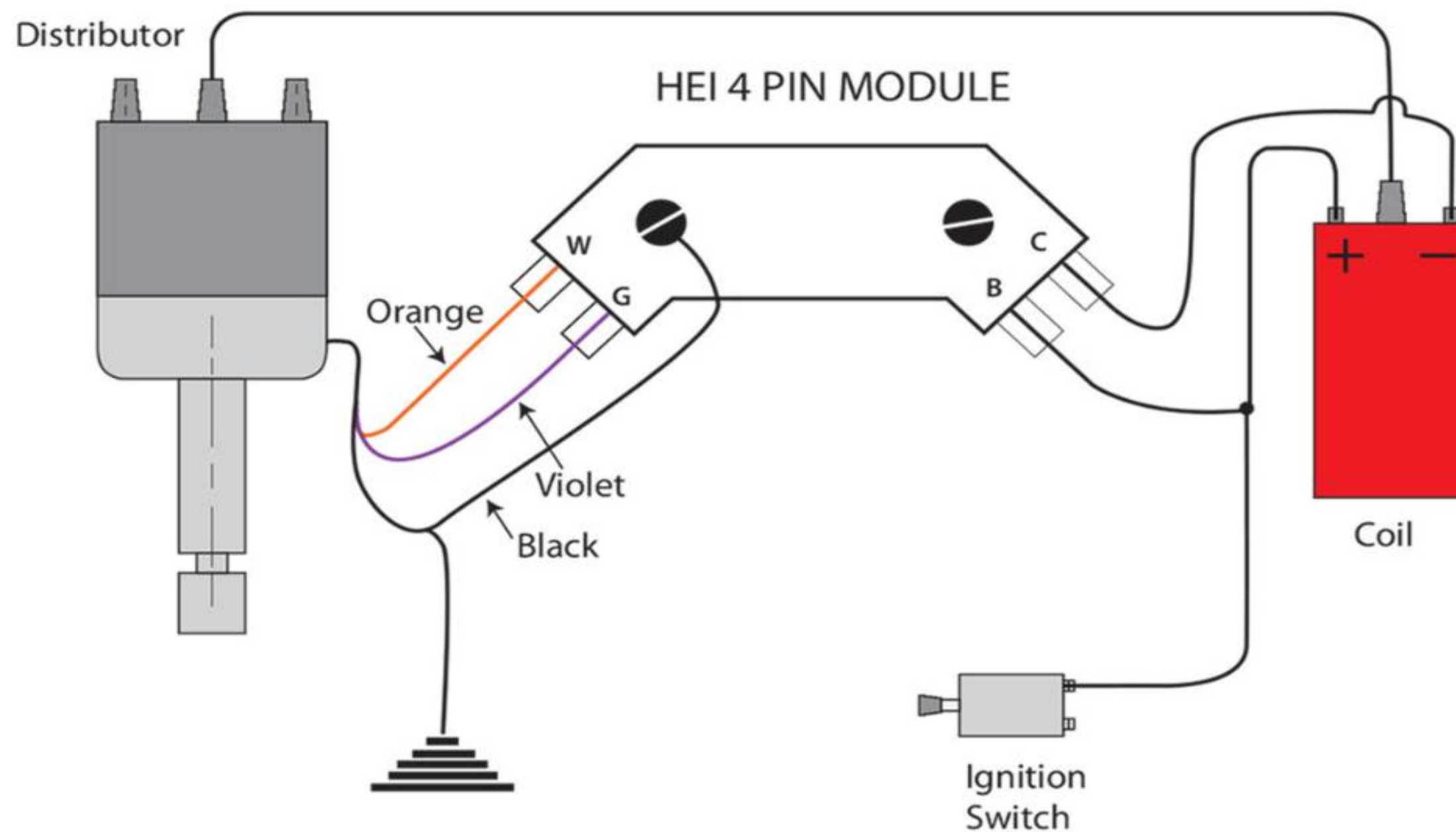




If You Have A Ford Engine With A Flat Tappet Hydraulic Lifter Camshaft Using An Iron Gear And A Duraspark Distributor From A Roller Cam 5.0L Engine, You Will Have To Change The Steel Distributor Gear For A Cast Version. The Opposite Also Applies. Effectively, You Must Match The Distributor Drive Gear To The Cam. You Can Identify A Steel Gear (left) By Its Smooth Surface Above The Gear Compared To The Cast Iron Gear (right), Which Has A Rougher Surface.



This Is A Simplified Drawing Of The Wiring Diagram Necessary To Make The Conversion. Make Sure The Plate Where The HEI Module Is Mounted Is Securely Grounded To The Engine. If The Engine Runs Poorly, Try Reversing The W And G Connections.





This Is A Close Up View Of A GM HEI Four Pin Module. This Particular HEI Module Is For A 1975 Corvette, Purchased From RockAuto. Of Course, You Can Also Find These Everywhere In The Junkyard. Each Of The Four Pins Is Marked With A Letter. The W Connects To The Orange Or Yellow Wire On A Ford Or Chrysler Distributor, While The G Pin Connects To The Other Wire To Complete The Circuit From The Pickup. The Other Two Connect The C Pin Connected To The Negative Side Of The Coil And The B Terminal To The Positive (+) Side Of The Coil.





We Mounted Our HEI Module To A 3/16 Inch Thick Aluminum Plate. Thicker Aluminum Is Preferable As A Heat Sink To Control Temperature In The Module. We Also Included This ACCEL Aftermarket High Performance Module, If You Want To Upgrade Your Conversion. The Coil Is A GM Late Model E Core Coil, Which Is More Efficient Than The Older Oil Filled Versions.





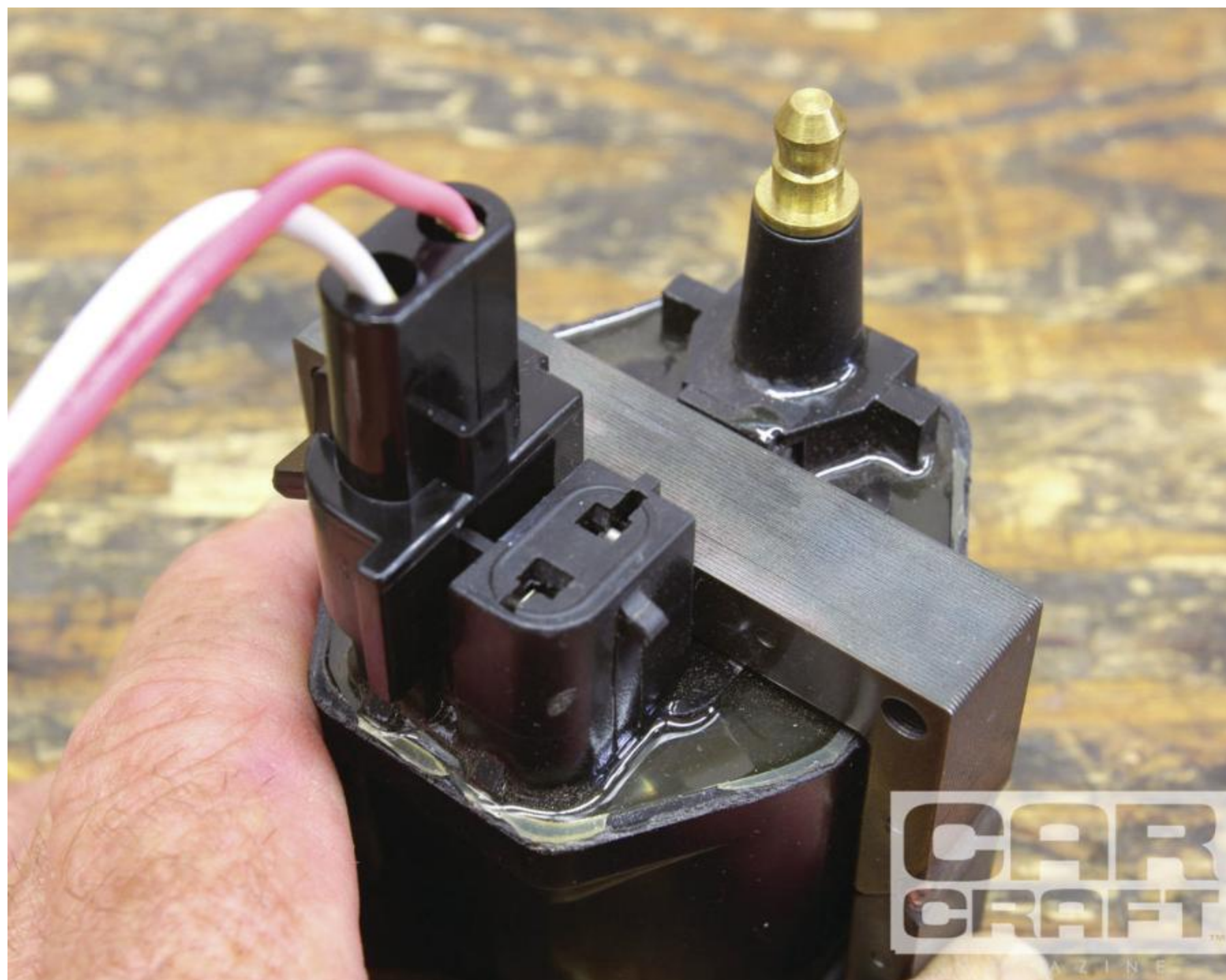
Before Mounting The Module To The Plate, Be Sure To Use A Proper Heat Transfer Material Between The Module's Metal Plate And The Aluminum Mounting Plate. This Is A White Compound From Radio Shack (PN 276 1372, \$3.49). Also, Be Sure To Remove The Two Small, Plastic Pins On The Bottom Of The Module So The Metal Portion Of The Module Fits Flush With The Mounting Plate For Maximum Heat Transfer.





While You Can Use An Older Oil Filled Coil With The HEI, The Newer, E Core Coils (as Shown) Are More Efficient And Can Be Easily Found In The Junkyard. The Coil With The Bracket Was Off A Late '80s Chevy Pickup. There's Also A Ton Of High Performance Coils Available From ACCEL, Crane, MSD, And Others. Be Sure To Match The Coil To An HEI Inductive Ignition. Do Not Mix Coils Intended For Capacitive Discharged (CD) Ignitions With An Inductive Module. All Factory Coils Are Inductive And Will Work With An HEI.





If You Want To Use A Matching GM Coil, You Can Probably Snip Its Connector Out Of The Wiring Harness When You Find The Coil. The Only Problem Is The Connectors Are Usually Brittle And Old. We Found A New Connector On RockAuto For Less Than \$7.



If You Are Converting A Chrysler Distributor, Nathan Nuttall Has Designed This Very Clever Aluminum Mount That Positions The Four Pin HEI Module Directly To The Distributor. It's Affordable And Very Space Efficient. You Can Find It On [Designed2drive.com](http://Designed2drive.com).



PARTS LIST			
Description	PN	Source	Price
GM HEI module	LX301T	RockAuto	\$12.91
GM HEI module	LX301	RockAuto	\$30.79
GM coil connector	85119	RockAuto	\$6.76
GM coil connector	HP4605	RockAuto	\$10.96
Ford dist. cap/rotor	3D1116A	RockAuto	\$18.96
Chrysler cap/rotor	3D1072A	RockAuto	\$11.11
Chrysler HEI mount	N/A	Designed2drive	\$38.50
Heat sink material	276-1372	Radio Shack	\$3.49
Crane E-core coil	PS-91	Summit Racing	\$65.20

Sources

RockAuto  
Madison, WI  
<http://www.rockauto.com>

Summit Racing  
Akron, OH  
[800-230-3030](http://www.summitracing.com)  
<http://www.summitracing.com>

<https://www.radioshack.com/products/caig-laboratories-heat-sink-silicone-grease>

[https://www.amazon.com/ARCTIC-Compound-Performance-Heatsink-Interface/dp/B0045JCFLY/ref=sr\\_1\\_fkmr3\\_4?s=industrial&ie=UTF8&qid=1497094660&sr=1-4-fkmr3&keywords=Caig+Laboratories+Heat+Sink+Silicone+Grease](https://www.amazon.com/ARCTIC-Compound-Performance-Heatsink-Interface/dp/B0045JCFLY/ref=sr_1_fkmr3_4?s=industrial&ie=UTF8&qid=1497094660&sr=1-4-fkmr3&keywords=Caig+Laboratories+Heat+Sink+Silicone+Grease)