



Ignition Modules



Crane HI-4E Ignition Modules/Module-Coil Kits.

- Improved, Adjustable Spark Curve Produces Strong Torque/Power Increases!
- Multi-Spark Technology Delivers Cleaner Low-End, Idling, Crisper Throttle Response.
- Easy Plug-In Installation. No Harness Replacement required on 1991-up Bikes. (1980-94 requires VT No. 32-9014 (OEM 32408-90) Harness Kit)
- Selectable Single-Fire or Dual Fire.
- Adjustable Rev-Limit, 500 to 9,900 RPM in 100 RPM increments!
- Accurate, Easy Rear Cylinder Timing Offset.
- Billet Aluminum, External Mounted.
- Kits include module, coil and spark plug wires.

VT No.	Item	Description
32-0806	Module only	1980-94 with 7 Pin connector.
Note: 1980-90 requires harness kit VT No. 32-9014		
32-4101	Kit	As Above
32-0807	Module only	1995-up with 8 Pin Connector
32-4102	Kit	As Above



Accel Single/Dual Fire Ignition Module. Fits all carbureted 1970-2000(except TC-88) and all 1971-up Sportster models, works in both single or dual fire applications and features 14 tuneable advance curves from stock to full performance, adjustable rev limiter, VOES input, tachometer output and front cylinder static time LED. Requires sensor cup for installation.

VT No.	Item
32-0091	Accel S/D Fire Ignition Module
32-9087	Sensor Cup



32-8075



32-8076



32-7510



32-9255



32-9292



32-9291

Crane Cams Hi-Intensity Ignition System converts early, points type 1970-79 BT to electronic ignition. On 1980 and later models it will replace stock electronic ignition, external module and rev limiter. Kit includes Hi module stand off screws and hardware. Order VT No. 32-7510 advance weight unit separately.

VT No.	Item
32-8075	Single module/dual fire/single coil for a dual fire ignition system that replaces the stock point and condenser type ignition. Can be used with stock coil. Rotor for Above
32-9291	Rotor for Above
32-8076	Dual module/Single Fire/ Single or Dual Coil when being used as single fire/single plug requires VT No. 32-9224 coil. When used as dual plug applications VT No. 32-9225 coil must be used.
32-9292	Rotor for above
32-7510	Advance Unit
32-9255	Tach Adapter for Above



A



B



C



D

Crane Coils are available in high intensity for single or dual fire, mounts to stock brackets.

VT No.	#	Type
32-9224	A	Single Fire
32-9241	D	Single Fire
32-9225	B	Dual Fire
32-3006	C	Dual Fire



32-1013

S&S Spark Technology Ignition System features an ECU module that will automatically adjust ignition timing. When detonation is detected by knock sensor, the ECU retards the ignition timing to prevent engine damage. When detonation is not present, ignition timing is advanced for maximum power and economy. Additional features include: Simple installation--plugs into stock harness, No timing adjustments, 7000 RPM rev limiter, single fire operation, automatic dwell adjust, short circuit and reverse polarity protected.

VT No.	Fits
32-1013	Module
Installation Kit for carbureted models	
32-7805	2004-2006 TC-88
32-1012	1999-2003 TC-88
32-1049	1995-1999 Evo Big Twins



Crane HI4TC Ignition for TC88 Carbureted Engine Models offers multi-spark performance, variable advance curves and a digital rev limiter. It is a plug in replacement of the stock module and is compatible with the factory security system. A crankshaft position sensor is employed to establish accurate firing. Rear cylinder timing can be offset from -5° to +4°; the same for initial timing. Both are easily adjusted by means of rotary switch on the unit. An additional rotary switch is used to select the advance curve, with choice of ten families. This enables the ignition to optimize the performance potential of the Twin-Cam 88® in any stage, from stock to wildly modified. Rotary switches also control the built-in Sequential Rev Limiter, which is adjustable from 1,500 to 9,900 RPM, and won't cause "popping and banging" like conventional rev limiters.

Benefits of multiple spark system include easier starting (hot or cold), better low-speed driveability and off-idle response. It pulses up to nine sparks per cycle at idle and three sparks up to 6,000 RPM, which also stops spark plug fouling and lean-surge.

VT No.	Year
32-3160	1999-03
32-3180	2004-up



Crane Hi-4 fits all 1970-98 carbureted models and requires sensor cup for 1982 and earlier applications. Order tach interface, sensor cup and screw separately if required. **Note: Order Coils Listed Below**



VT No.	Fits
32-9217	Dual Fire Ignition fits Evo, Shovel and Sportster through 1997. It can be set for Street or Race-Electric start or Kick Start includes 4000 to 8000 adjustable RPM limiter. Includes adjustment for rate of advance. This unit is compatible with stock dual fire coils
32-9218	Single Fire Ignition fits Evo, Shovel and Sportster through 1997. It can be set for Street or Race-Electric or Kick Start includes rear cylinder timing adjustment for rate of advance. Compatible with single fire coils.
32-4100	Single Fire Ignition Kit fits As Above Includes coil and 8.5mm wires.
32-0588	8.5 mm Wire Set
32-9255	Tach Adapter Interface
32-0559	Sensor Cup and Screw Set
32-9087	Sensor Cup, replaces 32402-83
32-9052	Cup Screw, replaces 2611C

Note: When using HI-4 Single Fire Ignition with "Dual Plug Cylinder Heads", two dual fire coils must be used (Crane Cams #8-3002 or 8-3006). Both the spark plug wires from one coil will go to the front cylinder, while both plug wire from the other coil will go to the rear cylinder.

Single Fire: Just the spark plug for the piston that is in its compression stroke will be fired. The other piston, being in its overlap position will not be ignited.
Dual Fire: Both spark plugs are fired simultaneously at the time only one piston is in its compression stroke. This is the way the stock motor works on preTC-88 motors.
Single Plug: One spark plug in each head. Total of 2 spark plugs in one engine.
Dual Plug: Two spark plugs in each head. Total of 4 spark plugs in one engine.