

ST3.P

Control Hub

SWITCH TRANSLATOR
(FACTORY SWITCH SET TO ALL PUSH BUTTONS)

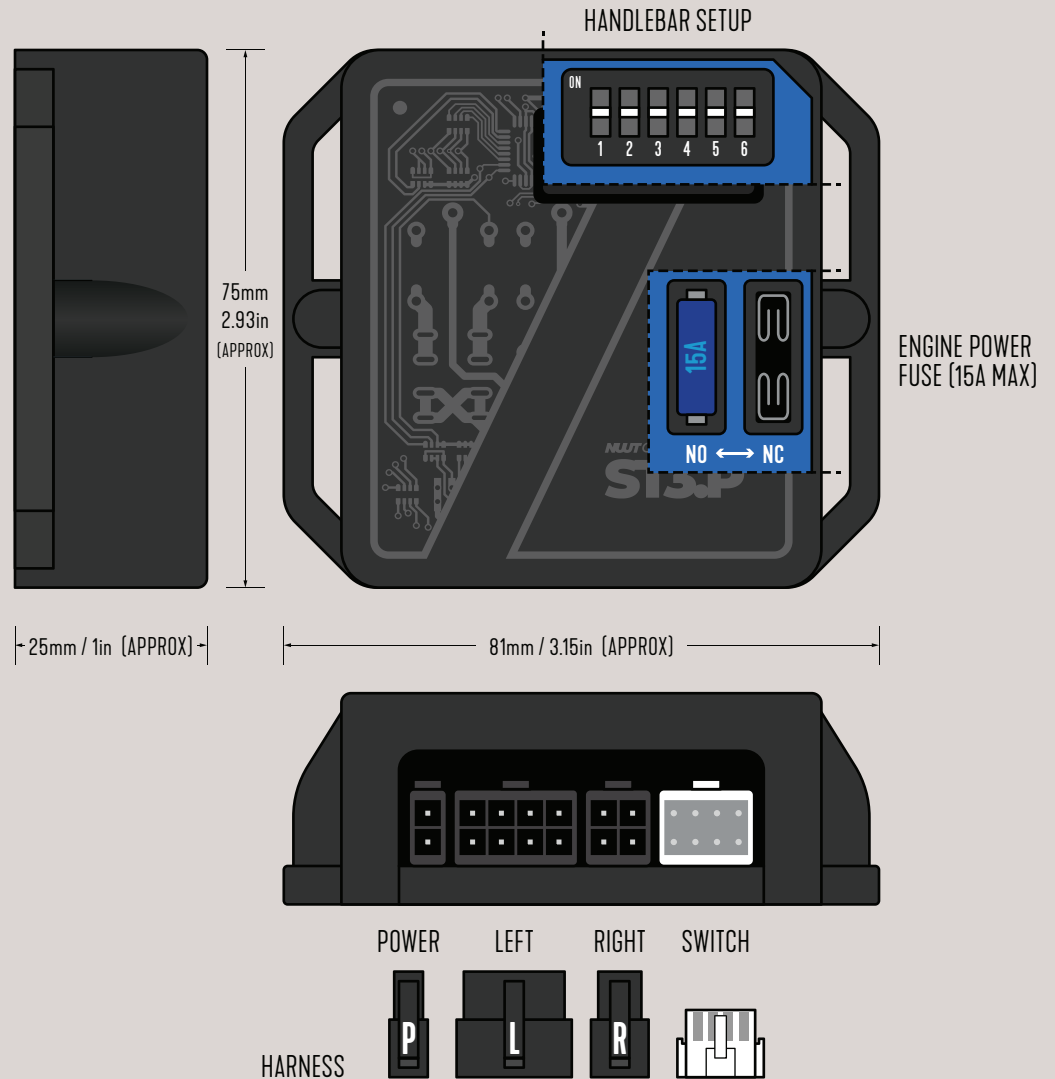
The ST3.P is a small handlebar switch controller translator. All the wiring is simple and done close to the old handlebar switch connectors. Just remove the old handlebar switch, map the wires and connect to the ST3.P. Wire up some new push buttons and back to riding.

This new controller will allow for all types of push buttons and combination of buttons – 4 or 6, latching and/or momentary. All up to you. No programming, just a few dip switches to set for your type of buttons. The ST3.P utilizes all your existing working electrical parts. Positive type, negative type, doesn't matter. All the ST3.P does is, translate the old standard switch set to push-buttons and all the wiring is done at 1 place. You can even revert back to the factory switch set.

We even added some sweet feature to the controller. If your bike did not come with hazard light function, now you got one. The ST3.P has Intelligent Directional Signal Light Switching. We even gave it the Over Voltage Engine Shutdown function – when it detects that your charging system is overloading, the hub will shut your engine down, turn on the hazard lights and turn on the high beam to dissipate the excess voltage. We thought some of the really whizzy feature of our TC3 should be included in the ST3.P.

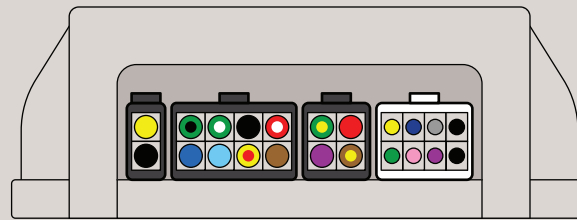
With the ST3.P, you can now add some custom mods to your ride without lots of work nor lots of money.

We will offer some push button switches for this thing so, you don't have to make your own or be ripped off by others. Yeah, it's like that.



ST3.P

Pinouts



POWER LEFT RIGHT SWITCH

POWER

GND	18AWG, 0.25m	(-)	CHASSIS GROUND IN
K+	18AWG, 0.25m	(+)	KEY SWITCH POWER IN

LEFT TIE IN TO FACTORY HARNESS

LT OUT	18AWG, 0.25m	LEFT TURN OUT
HI OUT	18AWG, 0.25m	HIGH BEAM OUT
RT OUT	18AWG, 0.25m	RIGHT TURN OUT
LO OUT	18AWG, 0.25m	LOW BEAM OUT
TURN COM	18AWG, 0.25m	TURN SIGNAL COMMON
HEADLIGHT COM	18AWG, 0.25m	HEADLIGHT COMMON
HORN IN	18AWG, 0.25m	HORN COMMON
HORN OUT	18AWG, 0.25m	HORN OUT

FOR SELF-SUPPLIED SWITCH SET (4 or 6 buttons)

RIGHT

GND	22AWG, 0.75m	(-)	GROUND
BUTTON6	22AWG, 0.75m	(-)	BUTTON 6 SWITCH
BUTTON4	22AWG, 0.75m	(-)	BUTTON 4 SWITCH
BUTTON2	22AWG, 0.75m	(-)	BUTTON 2 SWITCH

LEFT

GND	22AWG, 0.75m	(-)	GROUND
BUTTON5	22AWG, 0.75m	(-)	BUTTON 5 SWITCH
BUTTON3	22AWG, 0.75m	(-)	BUTTON 3 SWITCH
BUTTON1	22AWG, 0.75m	(-)	BUTTON 1 SWITCH

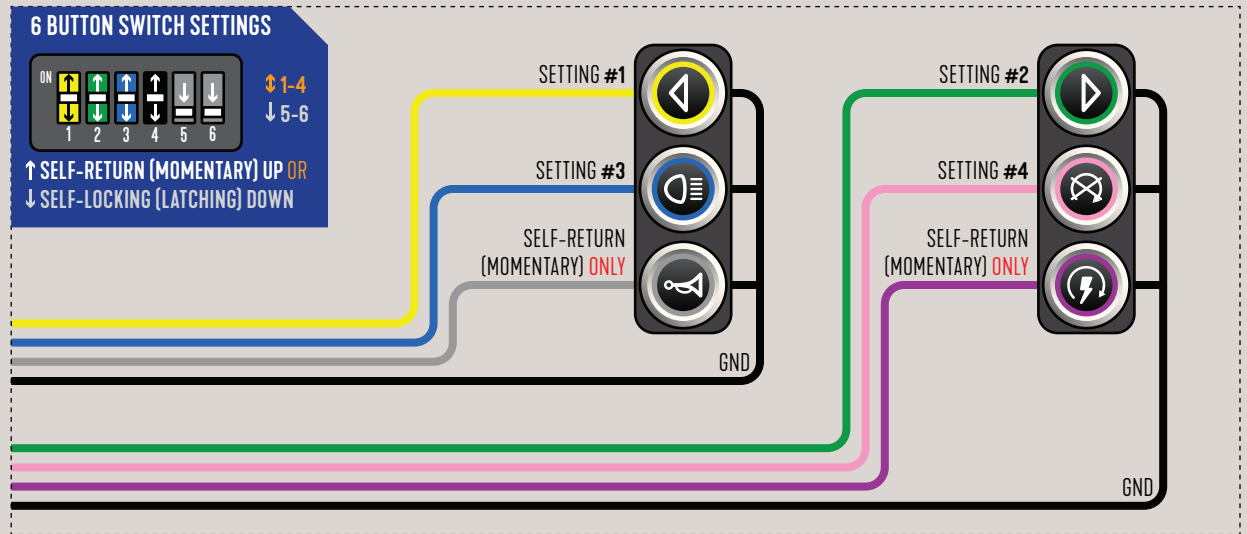
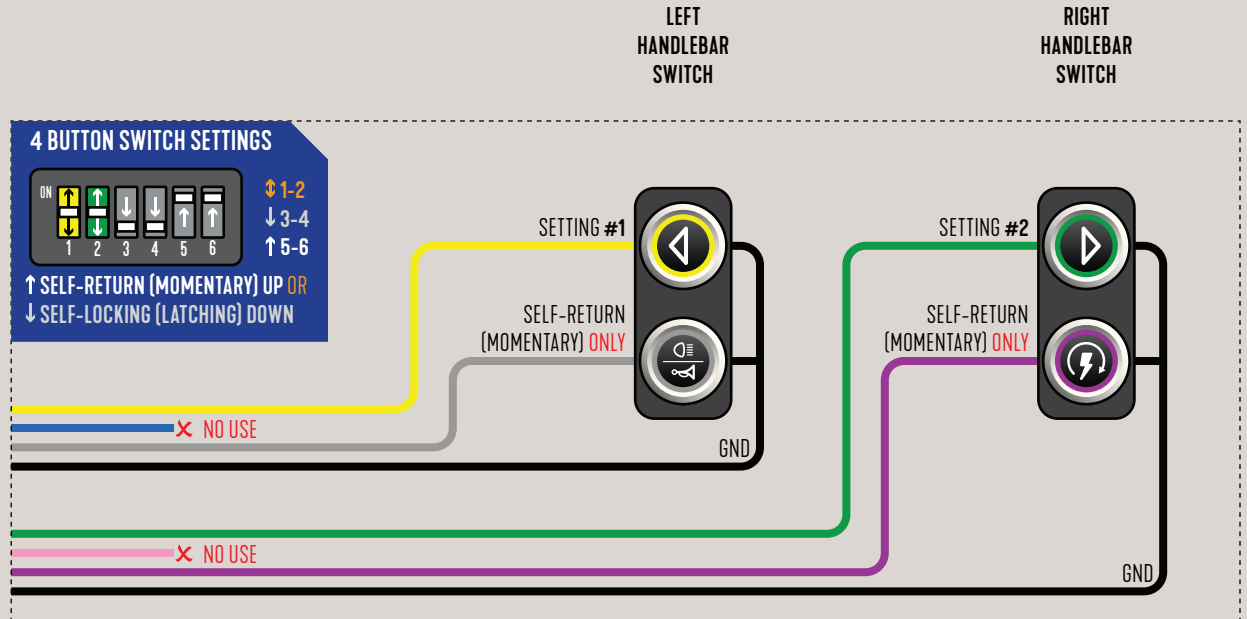
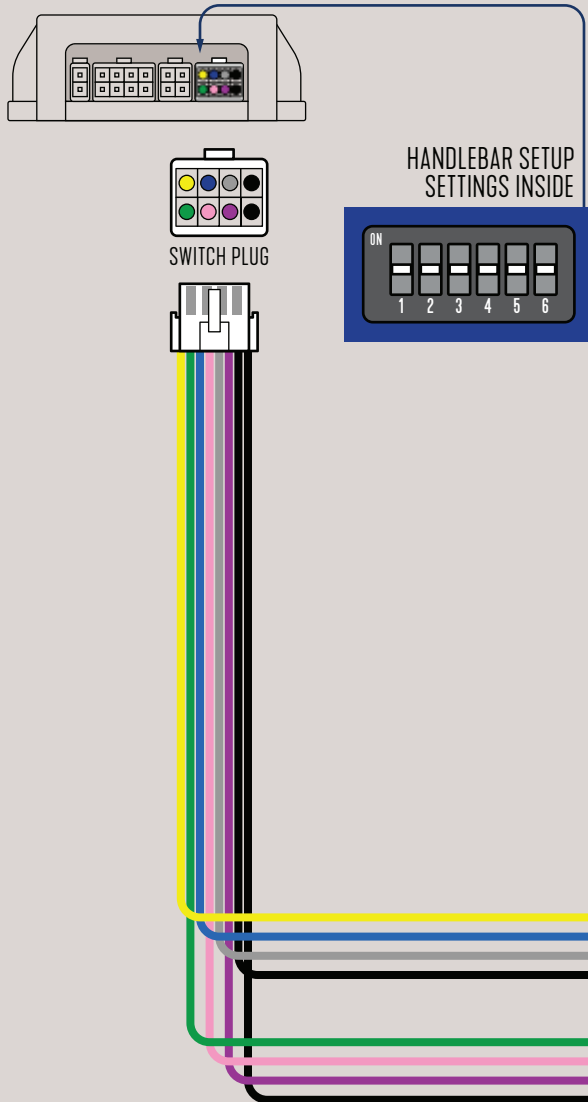
RIGHT TIE IN TO FACTORY HARNESS

ENGINE OUT	18AWG, 0.25m	ENGINE POWER
ENGINE IN	18AWG, 0.25m	ENGINE POWER COMMON
STARTER OUT	18AWG, 0.25m	STARTER/CRANK
STARTER IN	18AWG, 0.25m	STARTER/CRANK COMMON

ST3.P

Switch Harness

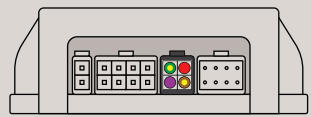
SELF-SUPPLIED SWITCH SET
(4 or 6 PUSH BUTTONS)



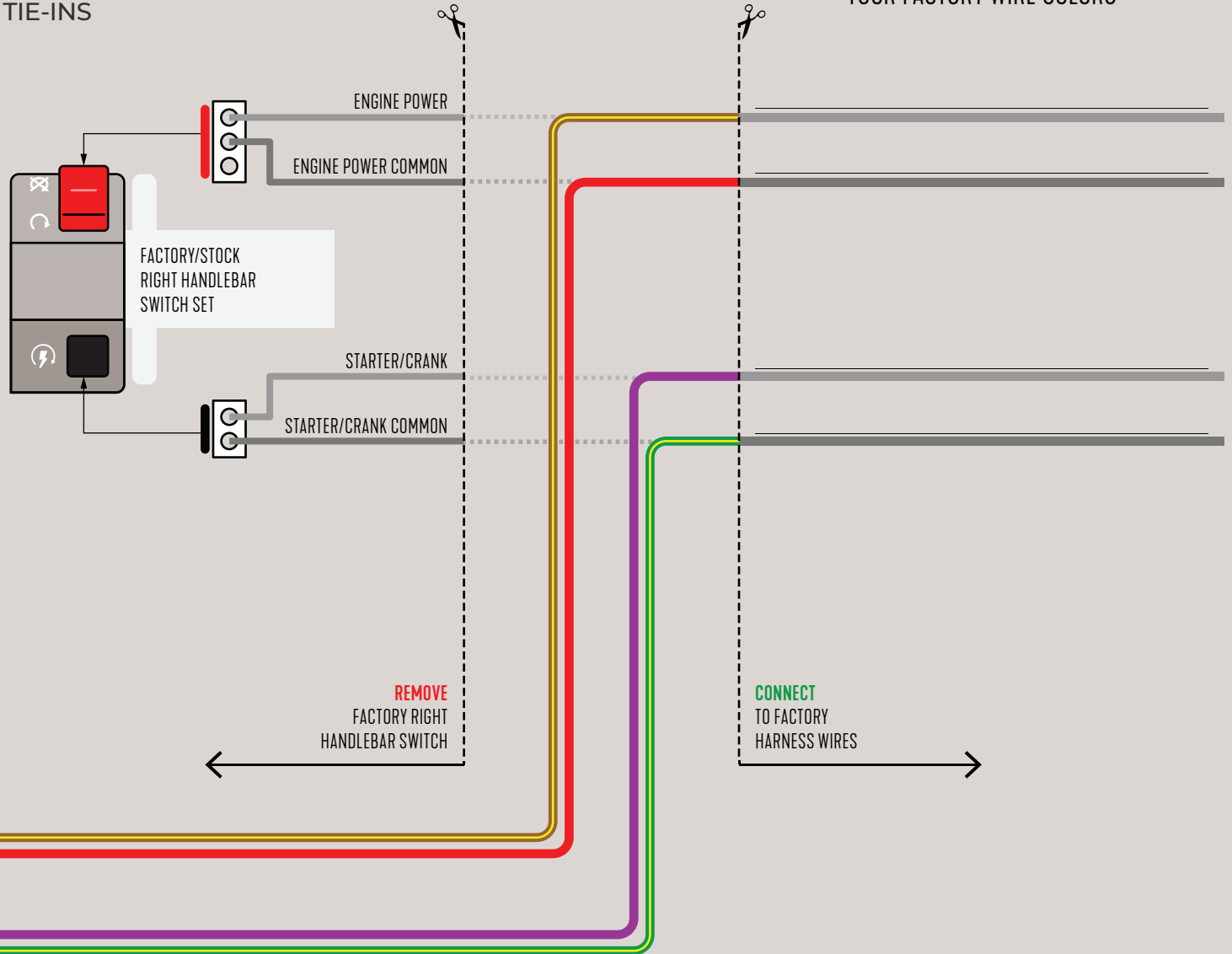
ST3.P

Right Harness

RIGHT HANDLEBAR TIE-INS



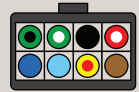
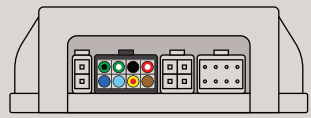
RIGHT PLUG



ST3.P

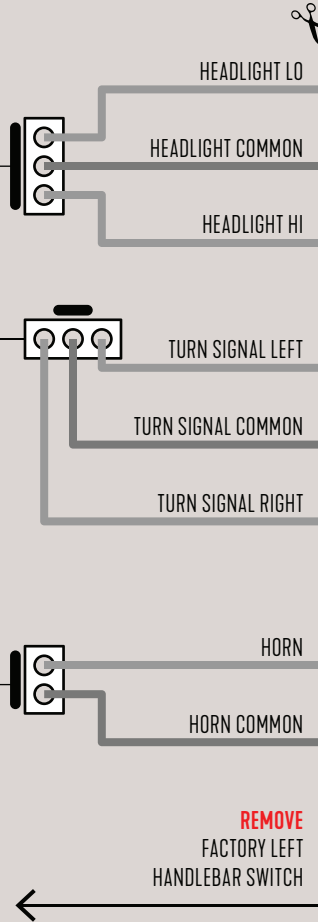
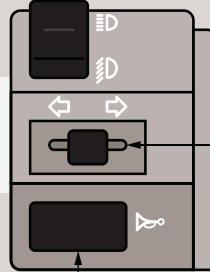
Left Harness

LEFT HANDLEBAR TIE-INS



LEFT PLUG

FACTORY/STOCK
LEFT HANDLEBAR
SWITCH SET



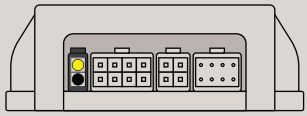
YOUR FACTORY WIRE COLORS

CONNECT
TO WIRES FROM
FACTORY HARNESS

ST3.P

Power Harness

SYSTEM POWER



POWER PLUG



KEY SWITCH

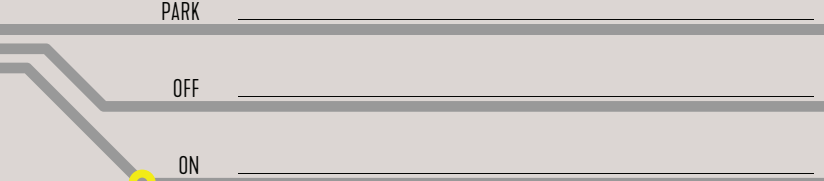


PARK

OFF

ON

YOUR FACTORY WIRE COLORS



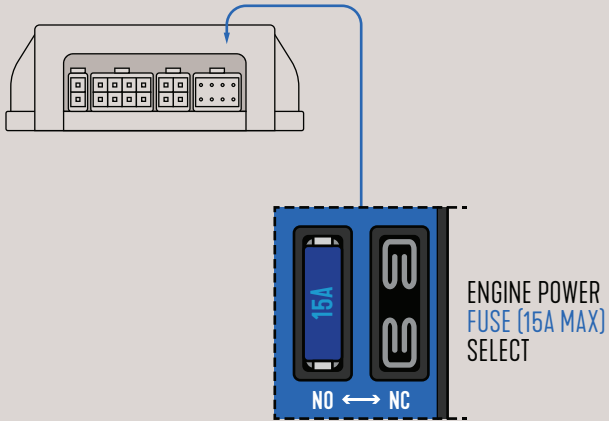
CHASSIS
GND

DO NOT EXTEND OR LENGTHEN
GROUND WIRES. KEEP SHORT AS POSSIBLE.

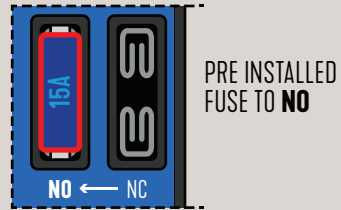
ST3.P

Fuse Install

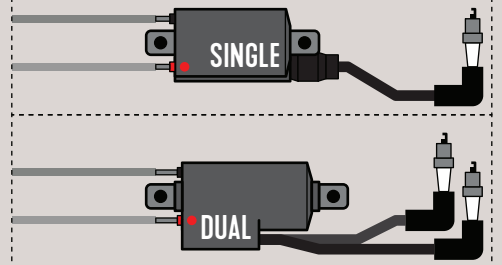
ENGINE POWER SELECT



POINTS BREAKER / CDI / TCI

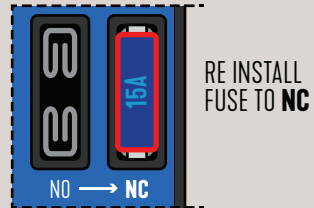


2-WIRE SPARK COIL

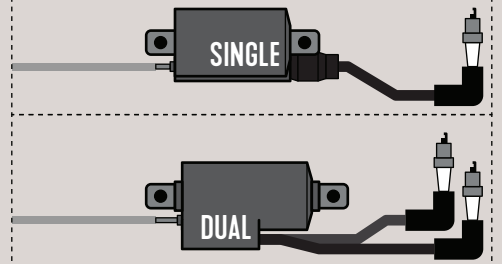


CONFIRM YOUR SPARK COIL HAVE **2 WIRES**

MAGNETO



1-WIRE SPARK COIL



CONFIRM YOUR SPARK COIL **ONLY** HAVE **1 WIRE**