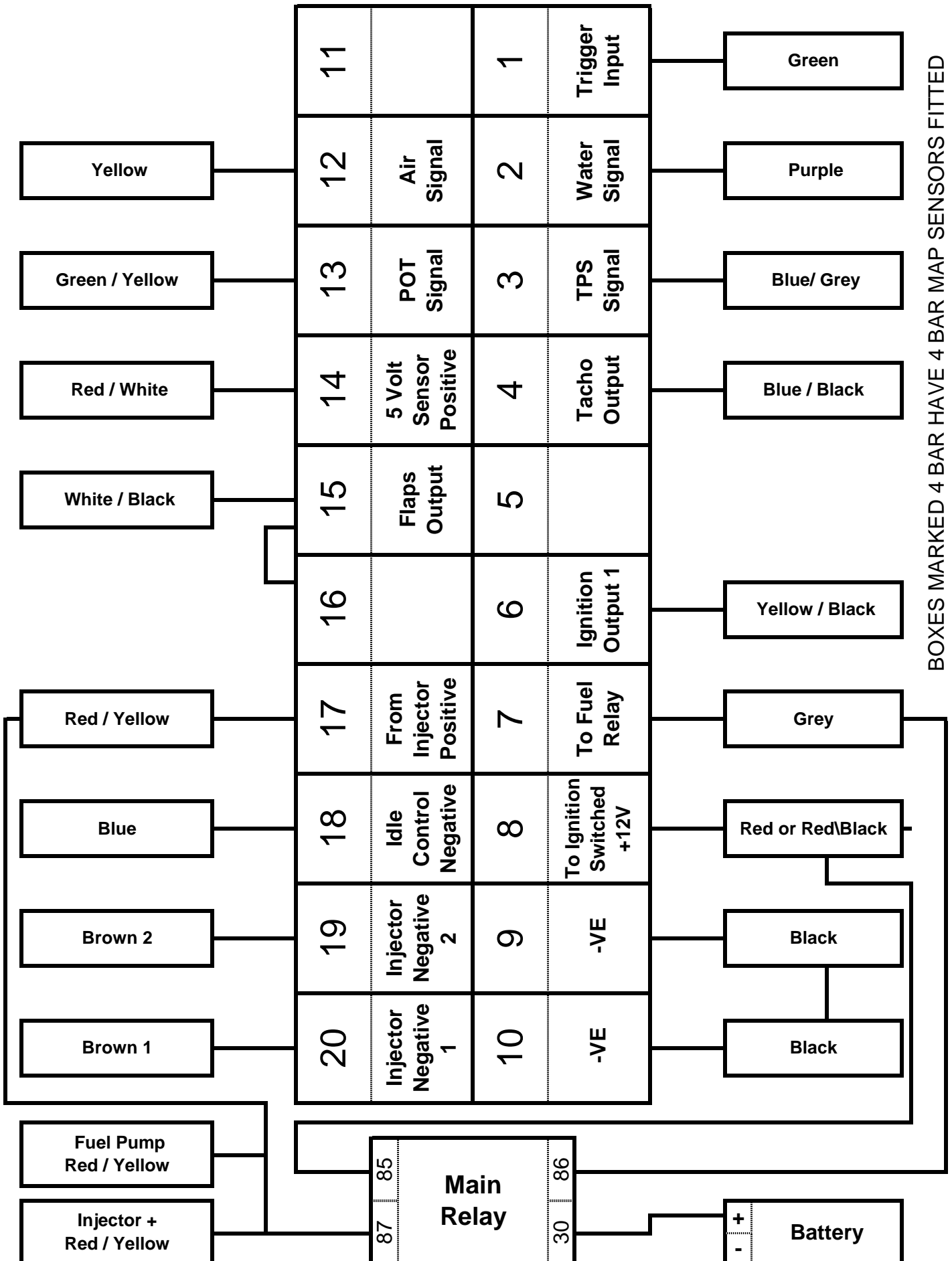


# DICKTATOR ENGINE MANAGEMENT SYSTEM

20 PIN PLUG LAYOUT AS SEEN FROM HARNESS SIDE

All Multi Colored Wires are always stated as : Main Color / Stripe Color

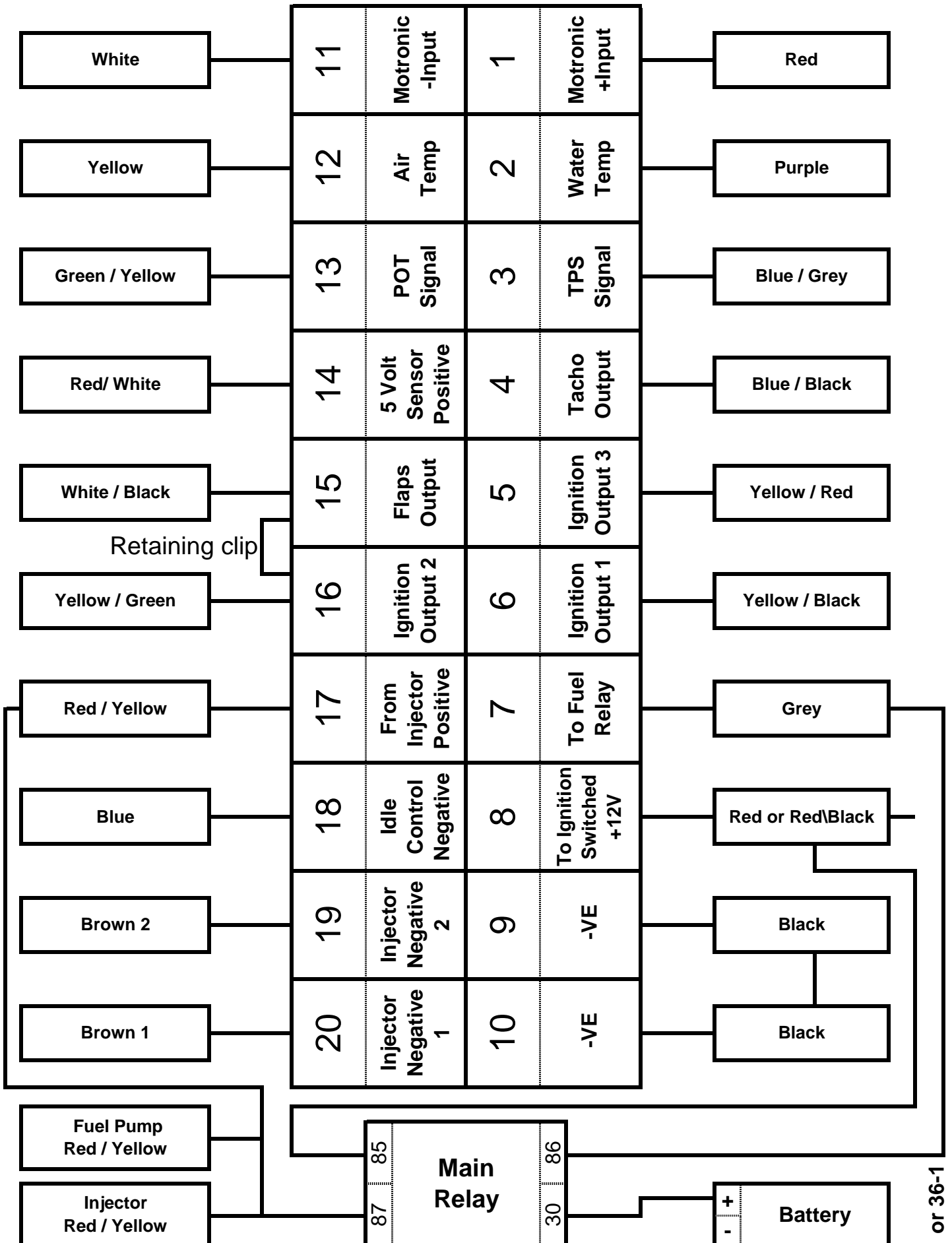


BOXES MARKED 4 BAR HAVE 4 BAR MAP SENSOR FITTED  
ALL OTHER BOXES HAVE 3 BAR MAP SENSOR FITTED

# DICKTATOR ENGINE MANAGEMENT SYSTEM

20 PIN PLUG LAYOUT AS SEEN FROM HARNESS SIDE

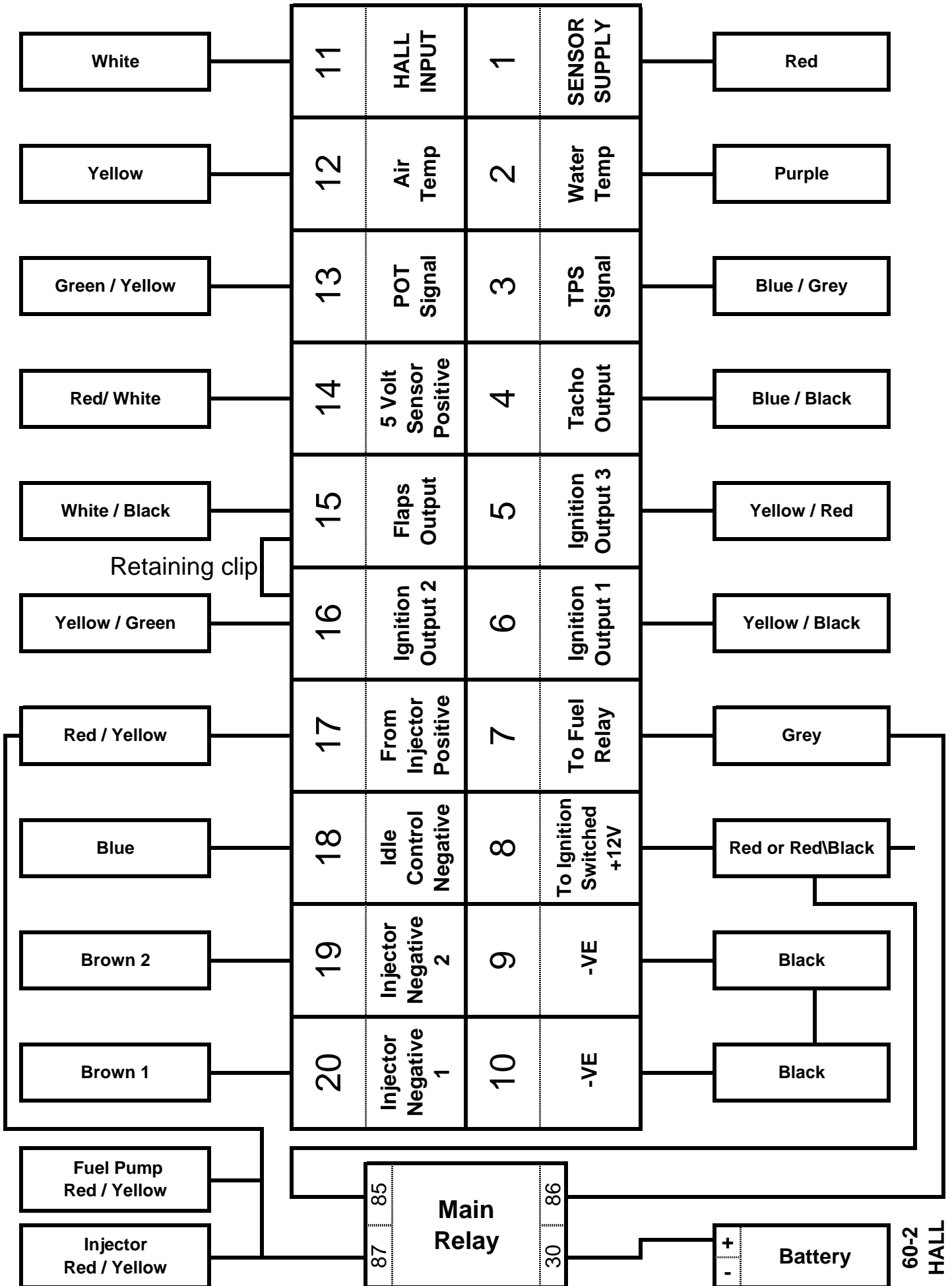
All Multi Coloured Wires are always stated as : Main Colour / Stripe Colour



# DICKTATOR ENGINE MANAGEMENT SYSTEM

20 PIN PLUG LAYOUT AS SEEN FROM HARNESS SIDE

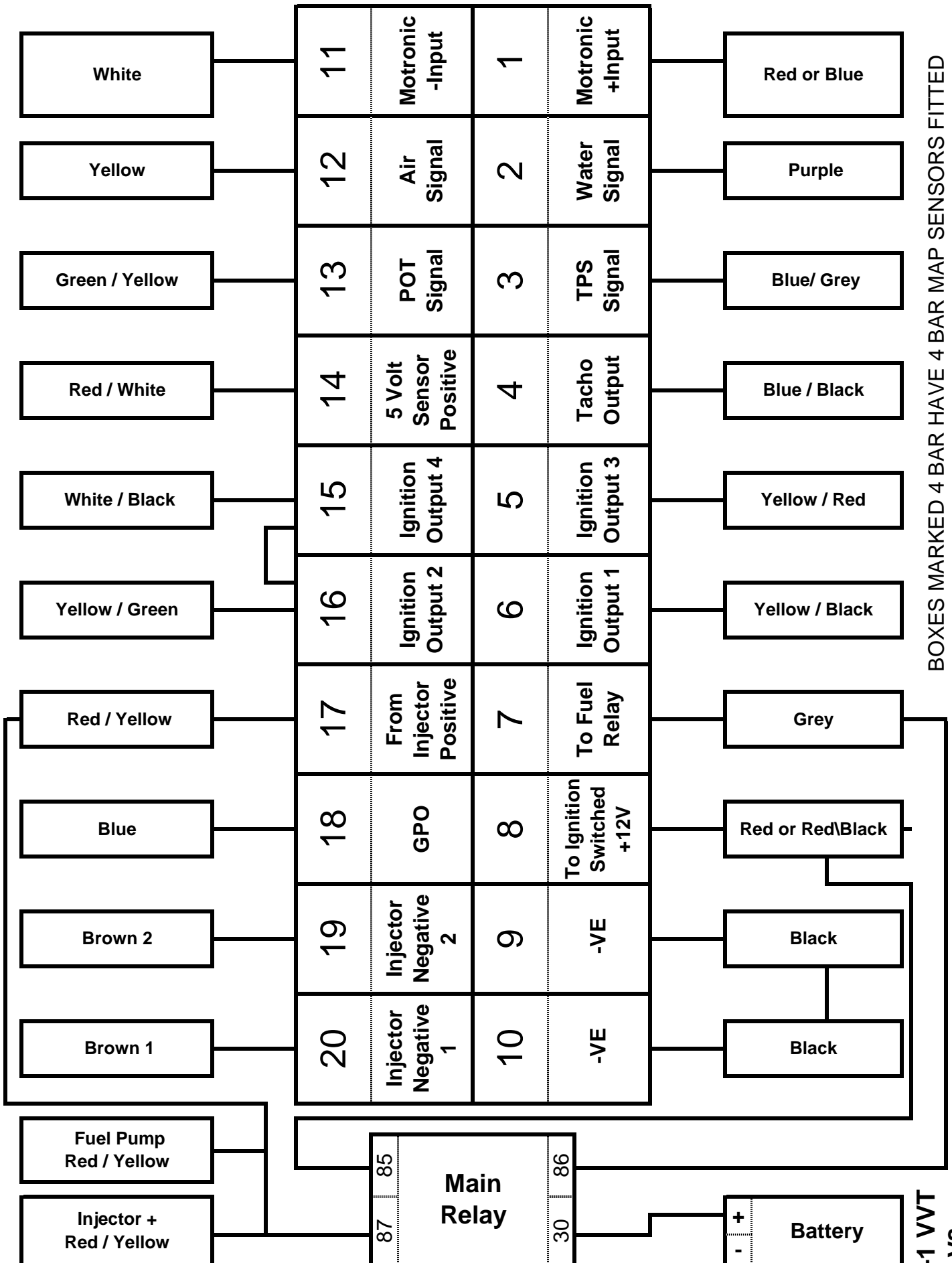
All Multi Coloured Wires are always stated as : Main Colour / Stripe Colour



# DICKTATOR ENGINE MANAGEMENT SYSTEM

20 PIN PLUG LAYOUT AS SEEN FROM HARNESS SIDE

All Multi Colored Wires are always stated as : Main Color / Stripe Color



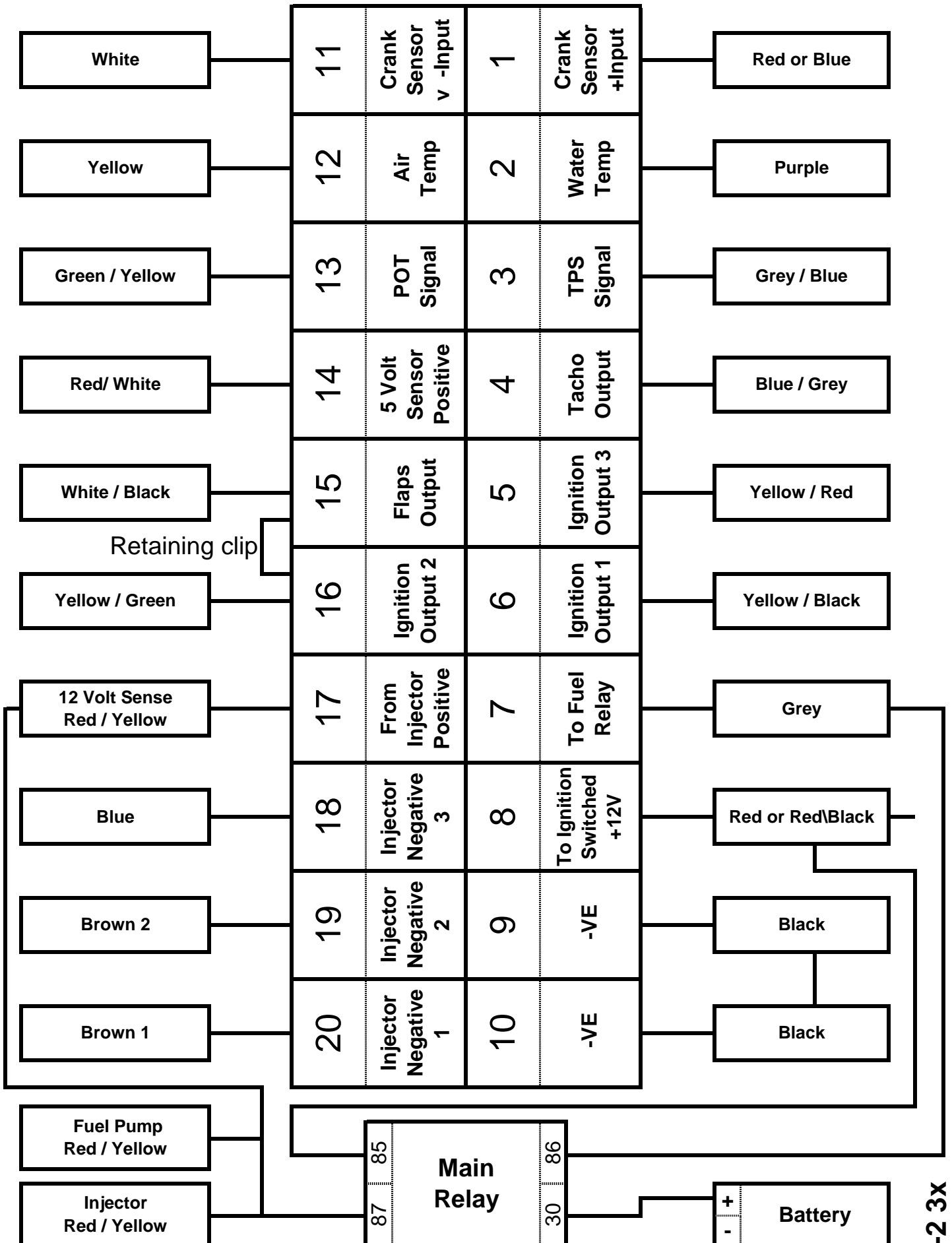
BOXES MARKED 4 BAR HAVE 4 BAR MAP SENSOR FITTED  
ALL OTHER BOXES HAVE 3 BAR MAP SENSOR FITTED

36-1 VVT  
V8

# DICKTATOR ENGINE MANAGEMENT SYSTEM

20 PIN PLUG LAYOUT AS SEEN FROM HARNESS SIDE

All Multi Coloured Wires are always stated as : Main Colour / Stripe Colour



## 36-1 or 60-2 V8, 2X or 3X ecu's

### **36-1 or 60-2 v8 ecu's 8 cylinder**

cylinders must be set to 4 cylinder ignition divide 2

Setting the ecu to wasted spark there will be 4 ignition outputs active White\Black is no 4. There is no GPO

### **36-1 or 60-2 2X ecu's 4 cylinder**

Cylinders must be set to 2 cylinder ignition divide 1

The ecu must be set to single coil with dissy.This will make 2 ignition outputs active.

Pin 20 to cylinder 1 and 4

Pin 19 to cylinder 2 and 3

### **36-1 or 60-2 3X ecu's 6 cylinder**

Cylinders must be set to 2 cylinder ignition divide 1

The ecu must be set to single coil with dissy.This will make 3 ignition outputs active.

The idle stabiliser wire Blue is used as a 3rd injector output.

Pin 20 to cyl 1 and 6

Pin 19 to cyl 2 and 5

Pin 18 to cyl 3 and 4

### **36-1 or 60-2 2X ecu's 4 cylinder**

Cylinders must be set to 2 cylinder ignition divide 1

The ecu must be set to single coil with dissy.This will make 2 ignition outputs active.

Pin 20 to cylinder 1 and 4

Pin 19 to cylinder 2 and 3

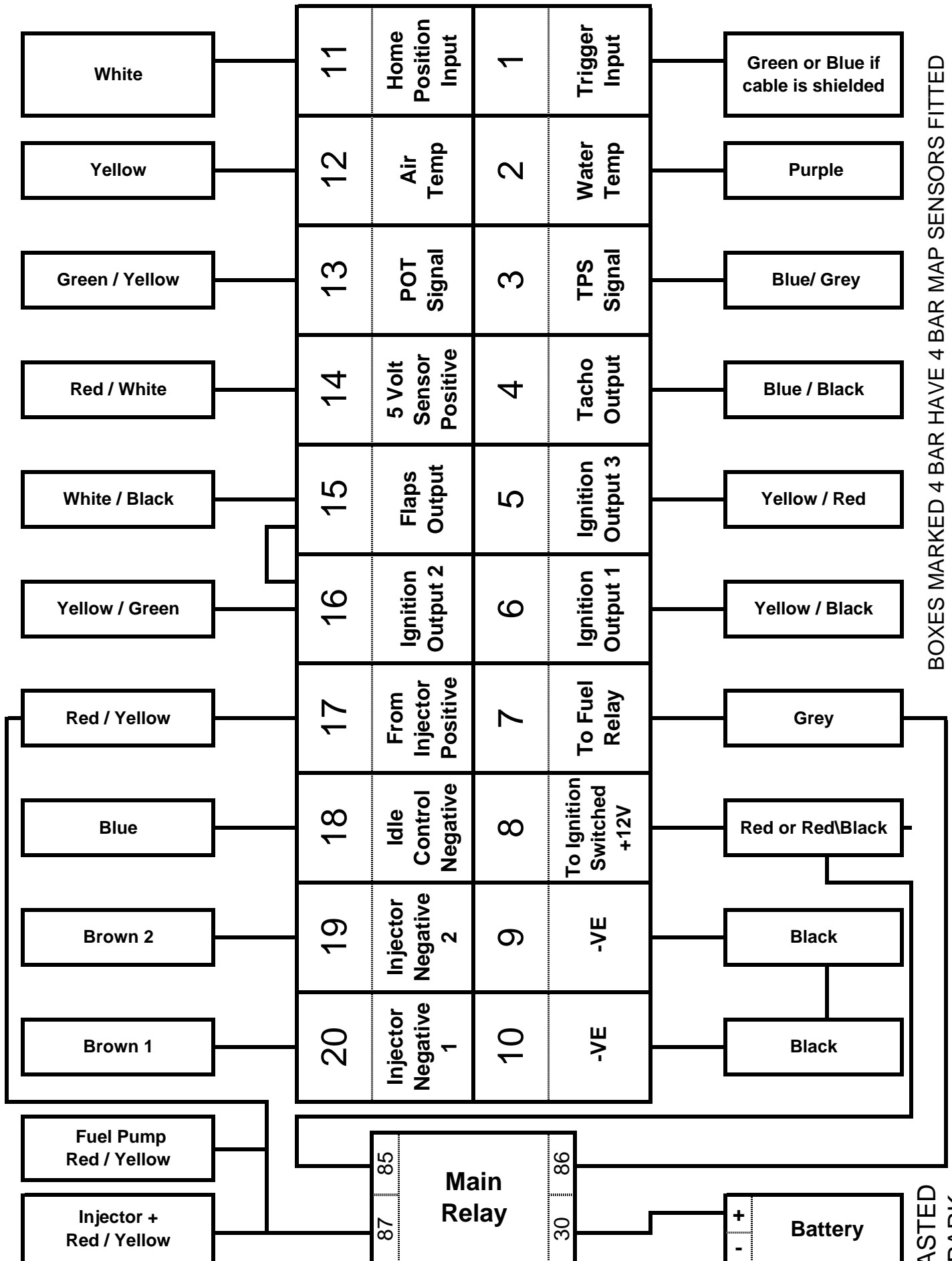
Ign 1 will fire cylinder 2 and 3

Ign 2 will fire cylinder 1 and 4

# DICKTATOR ENGINE MANAGEMENT SYSTEM

20 PIN PLUG LAYOUT AS SEEN FROM HARNESS SIDE

All Multi Colored Wires are always stated as : Main Color / Stripe Color



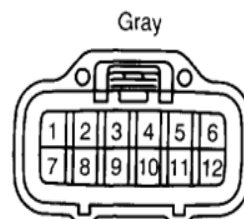
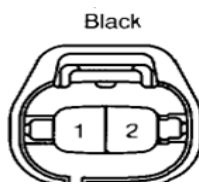
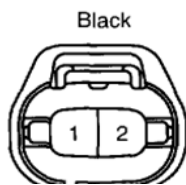
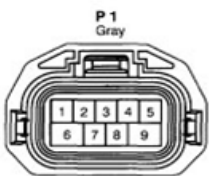
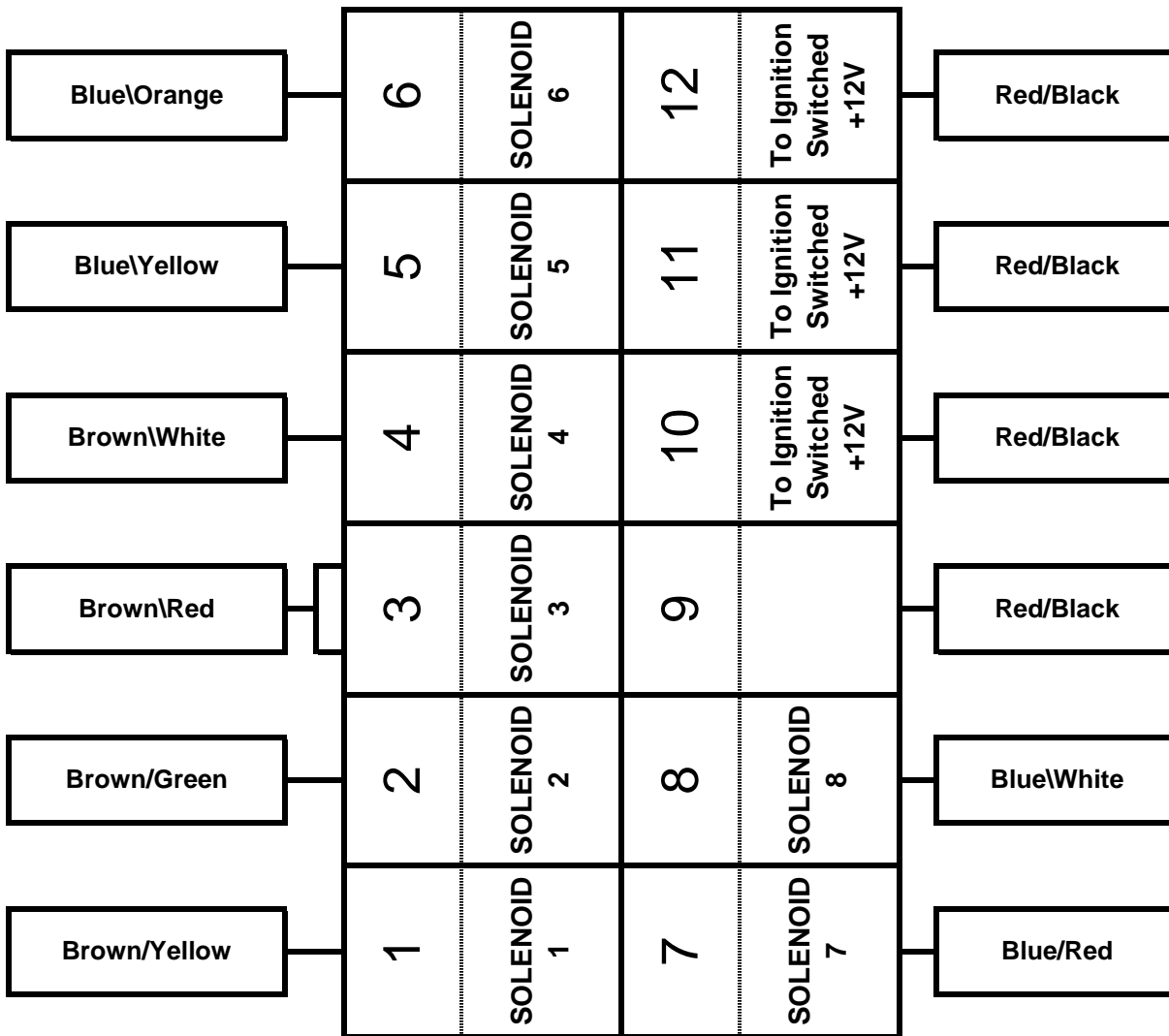
BOXES MARKED 4 BAR HAVE 4 BAR MAP SENSOR FITTED  
ALL OTHER BOXES HAVE 3 BAR MAP SENSOR FITTED

# DICKTATOR GEARBOX V2

20 PIN PLUG LAYOUT AS SEEN FROM HARNESS SIDE  
 All Multi Colored Wires are always stated as : Main Color / Stripe Color

White	11	ROAD SPEED MAGNETIC	1	ROAD SPEED HALL	White
Green	12	GEARBOX RPM MAGNETIC	2	GEARBOX RPM HALL	Green
Blue / Black	13	ENGINE RPM	3	GND FOR SPEED INPUTS	Black
Purple	14	OIL TEMP	4	GND FOR SELECTOR INPUT	Black
Yellow / Black	15	GEAR POSITION	5	GEAR POSITION PULL UP	Yellow / Black
Yellow / Green	16	INPUT 2	6	MODE SPORT ECONOMY MANUAL	Yellow / Red
	17	INPUT 3	7	5V	Red/White
Red/White	18	5V	8	TPS Signal	Blue/Grey
White / Black	19	SHIFT UP	9	To Ignition Switched +12V	Red/Black
Yellow	20	SHIFT DOWN	10	GND	Black





**Selector Switch**

- Park
- Reverse
- 5v
- 2L
- Neutral
- starter
- Drive
- LL
- starter

**Gearbox Speed**

- Gnd
- Signal

**Road Speed**

- 1 Gnd
- 2 Signal

Ground all 4 grounds on the gearbox

**Solenoid Connector**

- 1 Oil Temp Signal
- 2 Line pressure
- 3 SLN
- 4 SLU
- 5 Shift Sol 3
- 6 Shift Sol 1
- 7 Oil Temp Gnd
- 8 Ground
- 9 Ground
- # Ground
- # Shift Sol 4
- # Shift Sol 2

**Gearbox ecu connection**

- 14 of 20 Pin
- 8 of 12 pin
- 6 of 12 Pin
- 7 of 12 Pin
- 3 of 12 Pin
- 1 of 12 Pin
- 4 of 12 Pin
- 2 of 12 pin

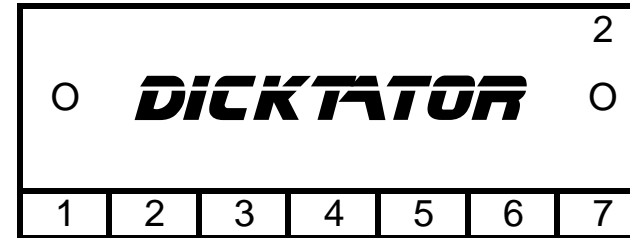
# DICKTATOR IGNITION MODULE'S

TP100



- 7 COIL NEGATIVE
- 6 ENGINE GROUND ONLY
- 5 -SUPPLY FOR VW DISSY
- 4 +12V IGNITION
- 3 +SUPPLY TO VW DISSY
- 2 INPUT SIGNAL FROM ECU Yellow/Black
- 1 TO REV COUNTER

DUAL MODULE



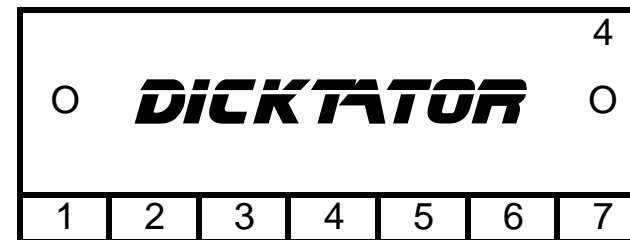
- 7 INPUT SIGNAL 2 FROM ECU Yellow/Green
- 6 COIL -VE 2
- 5 NOT USED
- 4 ENGINE GROUND ONLY
- 3 NOT USED
- 2 COIL -VE 1
- 1 INPUT SIGNAL 1 FROM ECU Yellow/Black

TRIPLE MODULE



- 7 INPUT SIGNAL 2 FROM ECU Yellow/Green
- 6 COIL -VE 2
- 5 COIL -VE 3
- 4 ENGINE GROUND ONLY
- 3 INPUT SIGNAL 3 FROM ECU Yellow/Red
- 2 COIL -VE 1
- 1 INPUT SIGNAL 1 FROM ECU Yellow/Black

QUAD MODULE



- 7 INPUT SIGNAL 2 FROM ECU Yellow/Green
- 6 COIL -VE 2
- 5 COIL -VE 3
- 4 ENGINE GROUND ONLY
- 3 COIL -VE 4
- 2 COIL -VE 1
- 1 INPUT SIGNAL 1 FROM ECU Yellow/Black

DICKTATOR MODULE'S MUST BE SET TO CONSTANT CHARGE TIME.  
FAILURE TO DO THIS WILL RESULT IN DAMAGE TO THE MODULE AND COIL.

# DICKTATOR INJECTOR TESTER

The injector harness comes with 4 loose EV1 style connectors.  
Grind the outer of this will allow you to test most types of injectors with one connector.

The fuel pump is connected to the Red/Yellow and the black wires.

The toggle switch above the plug switches the fuel pump on and off.

Pushing the 2ms button up will test 2ms for 30 seconds.

Pushing the 5ms button up will test 5ms for 30 seconds.

Pushing the variable button up will test for a adjustable no of ms for 30 seconds.

Pushing the 100%button up will test 100%for 30 seconds double this gives cc/min.

Pushing the variable button up while you are busy testing will cancel the current option.

Some of the newer injectors don't like being tested at 100%.

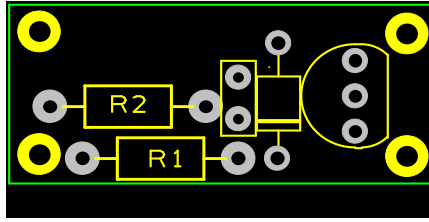
Use the variable function set to 85ms.

Big injectors are normally tested one at a time.

# DICKTATOR MAG ADAPTER

MAGNETIC - VE

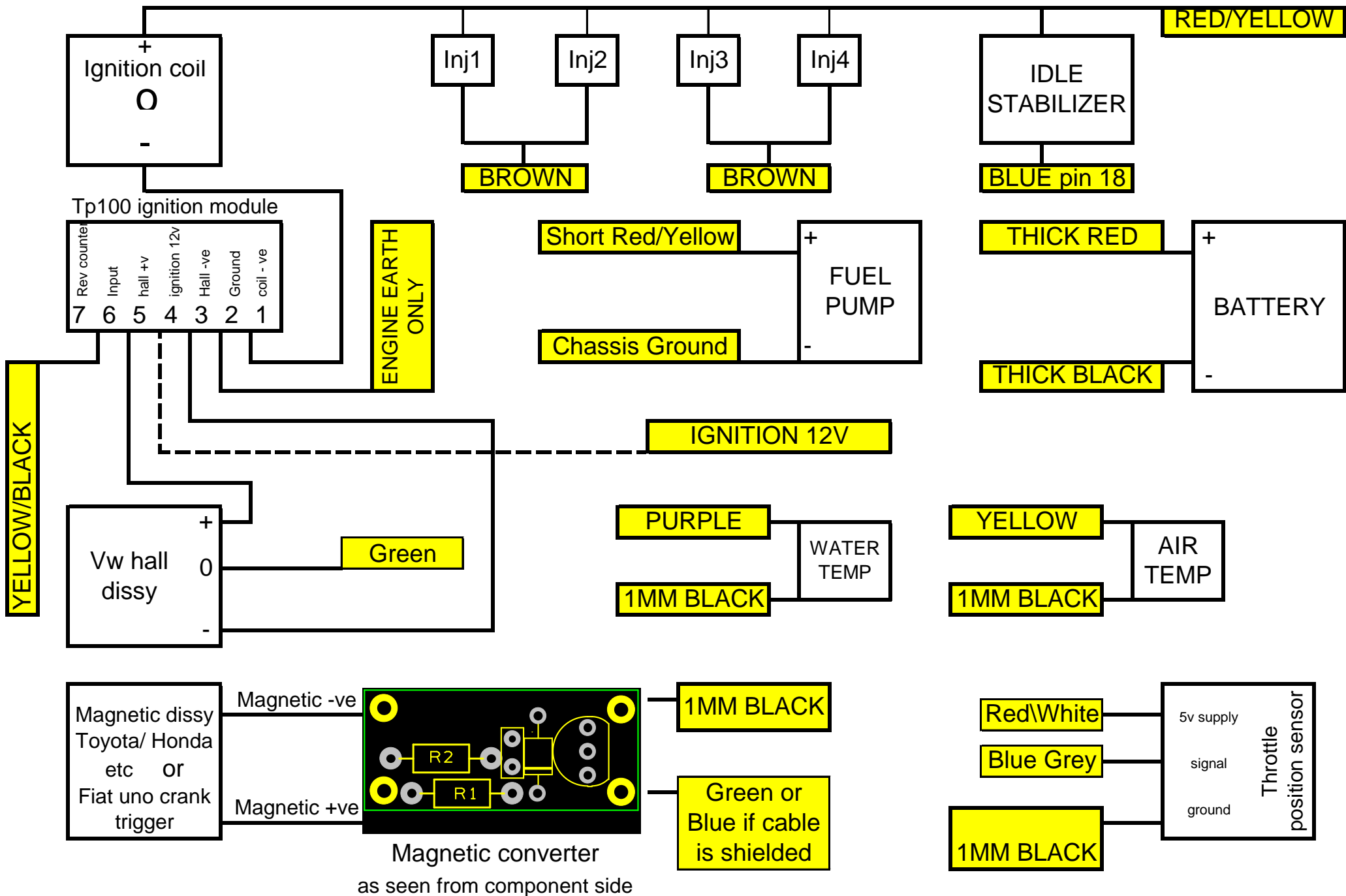
MAGNETIC + VE



SINGLE MAG ADAPTER

GROUND FROM ECU  
BLACK

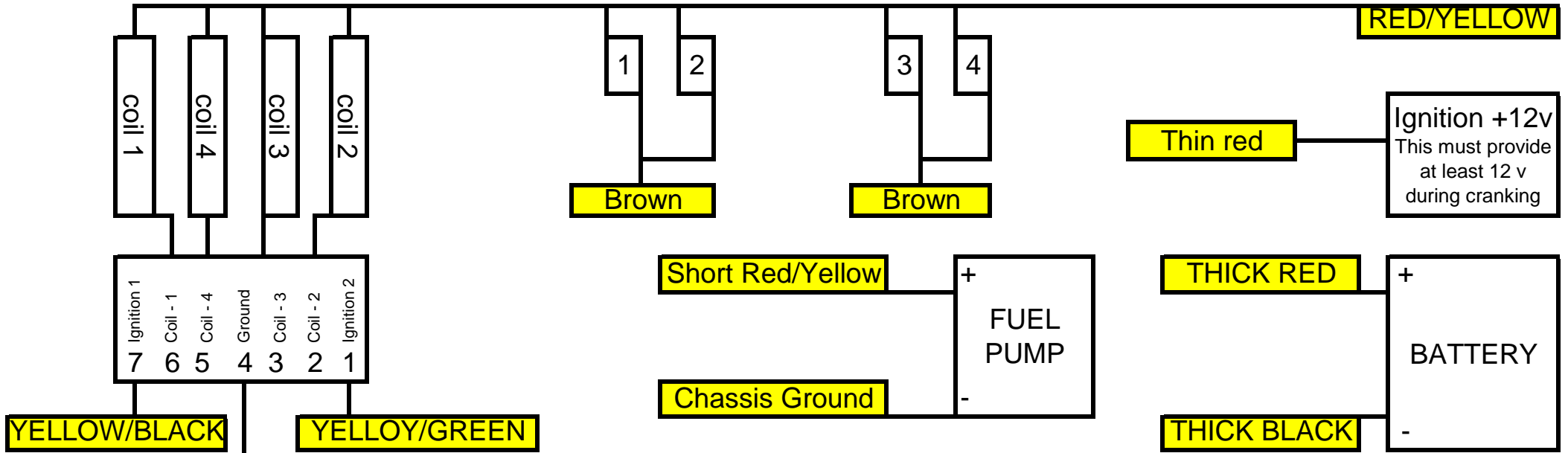
TRIGGER OUT TO  
ECU GREEN



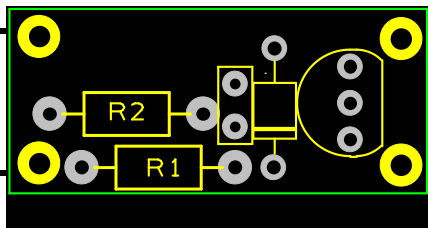
STD 4 Cylinder

INJECTORS

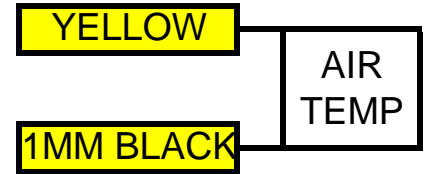
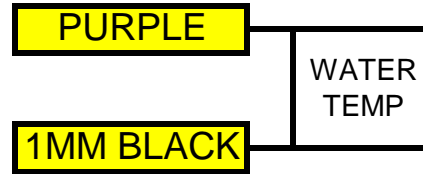
INJECTORS



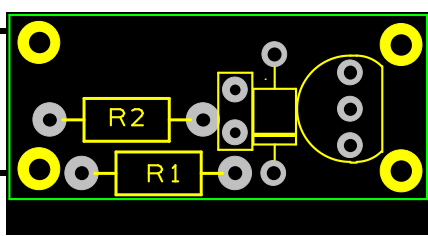
Pickup that looks at Cam



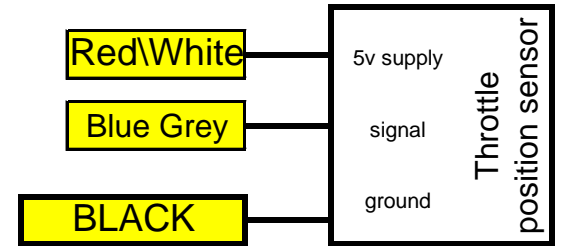
1mm Black  
White



Pickup that looks at 2 tooth gear On crankshaft



1mm Black  
Green or Blue if cable is shielded

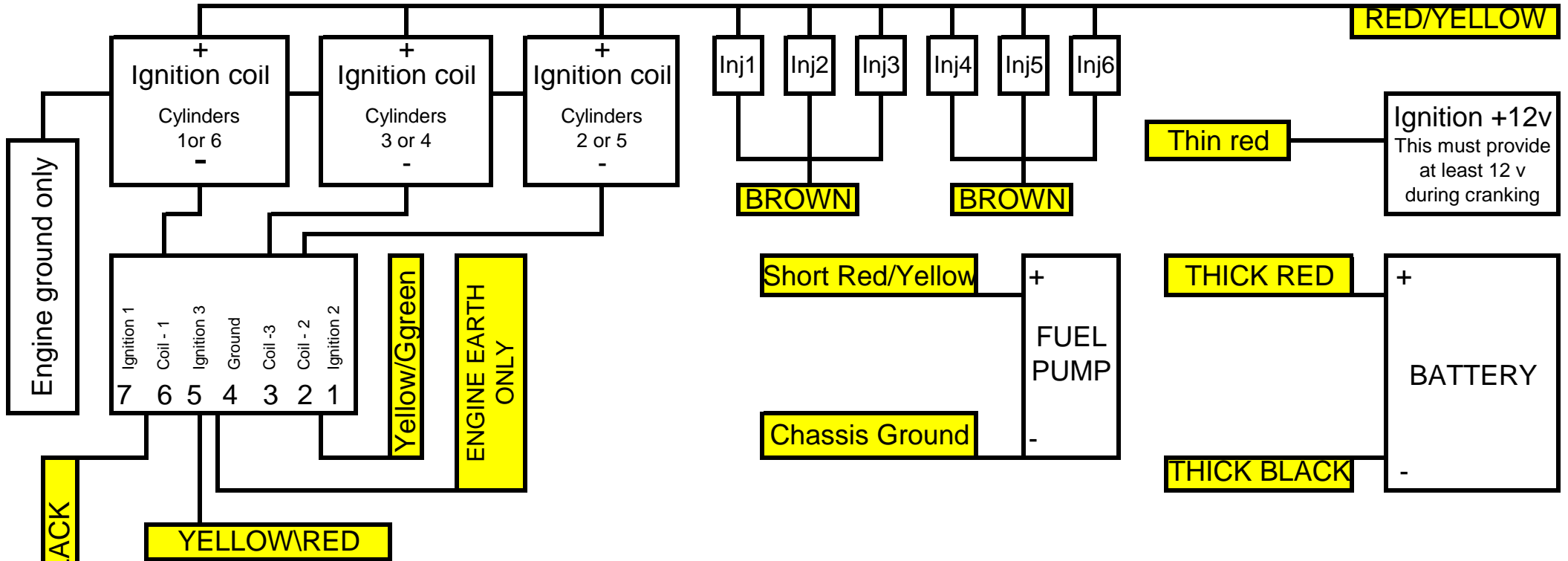


Magnetic converter as seen from component side

TURN ENGINE TO TDC. TURN BACK 60 DEG KEEP THIS TOOTH AND THE ONE 180 DEG OPPOSITE. REMOVE ALL OTHER TEETH.

# 4 CYLINDER BIKE

Cylinders 1 2 and 3 are shown 4 5 and 6 will be a copy of this



YELLOW/BLACK

YELLOW/RED

Yellow/Ggreen

ENGINE EARTH ONLY

BROWN

BROWN

Short Red/Yellow

Chassis Ground

Thin red

THICK RED

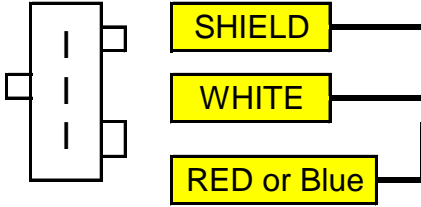
THICK BLACK

PURPLE

YELLOW

1MM BLACK

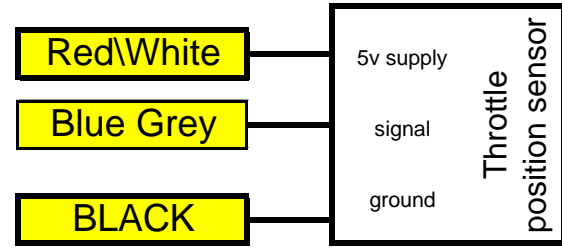
1MM BLACK



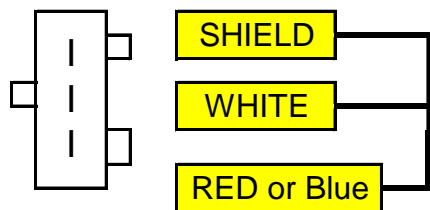
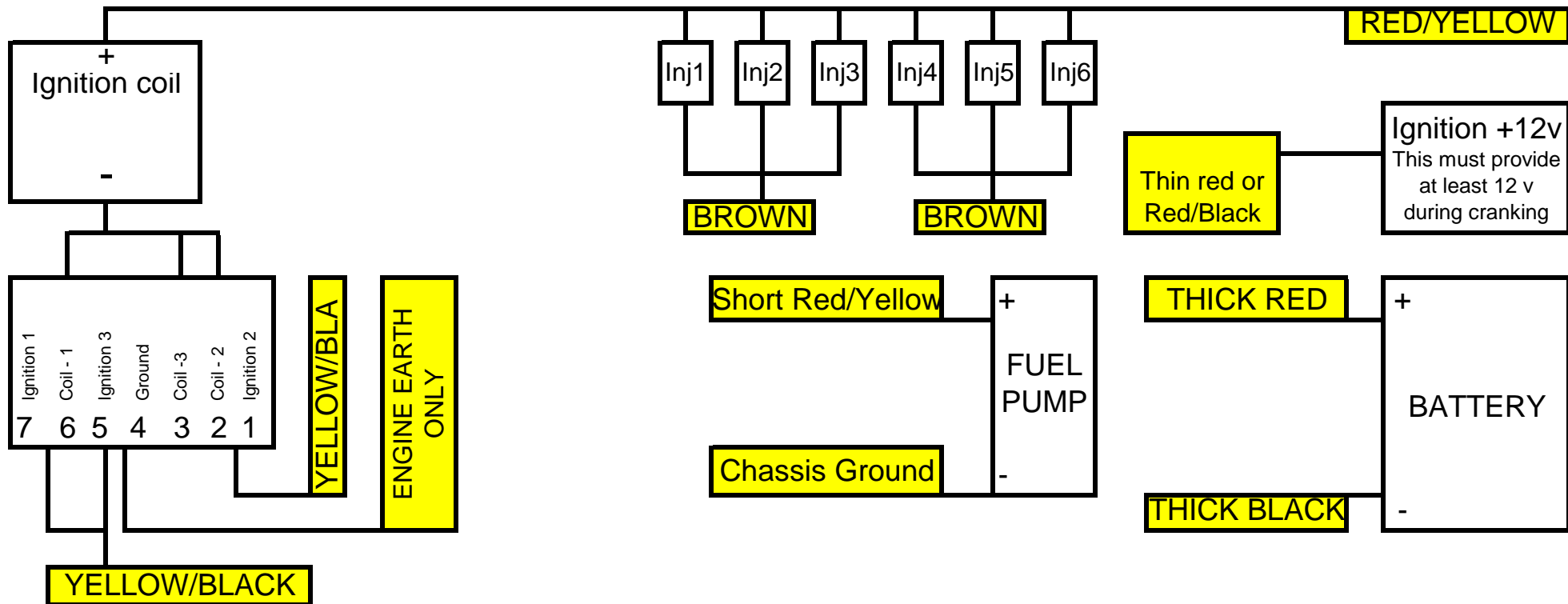
RED SHIELDED CABLE

You need to double up on module and coils

Late model Bmw's with a Siemens crank pickup use a hall 60-2 ecu

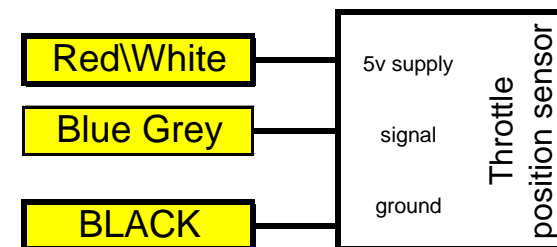
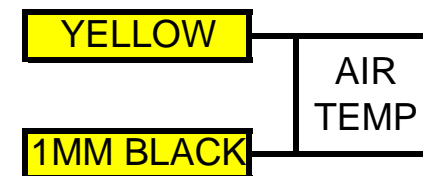
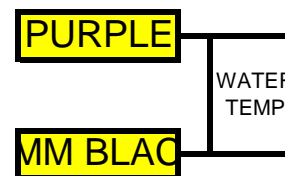


BMW 6 Cyl Coil On Plug



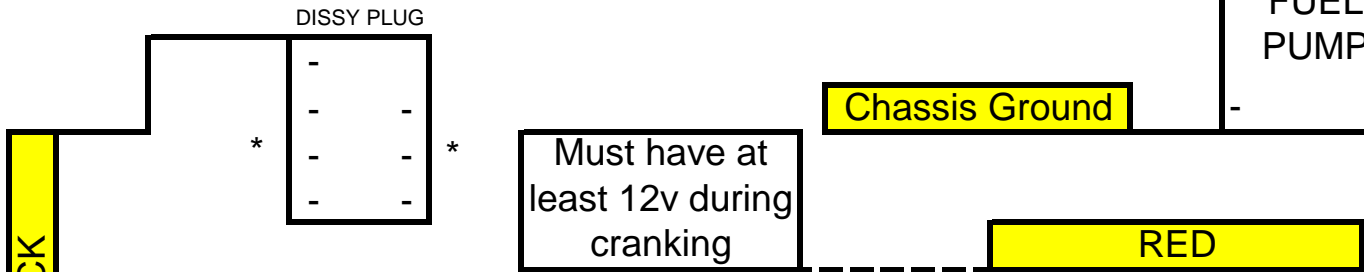
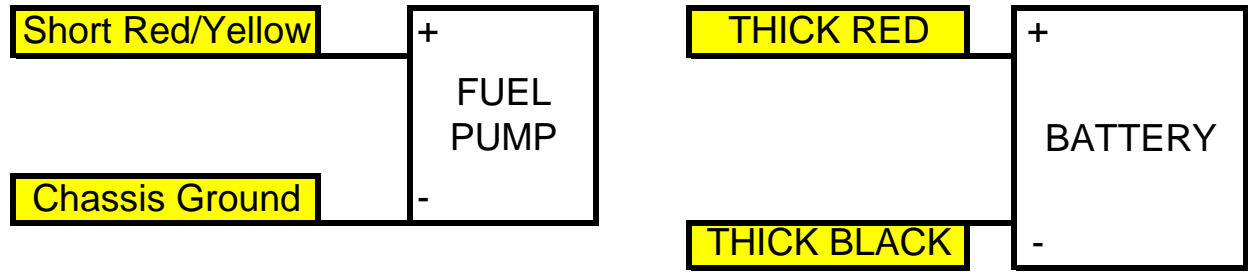
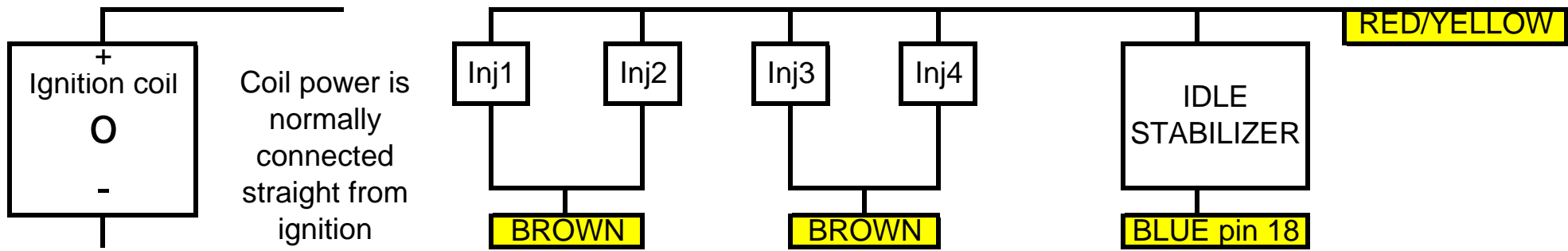
You need to double up on module and coils

Late model Bmw's with a Siemens crank pickup  
use a hall 60-2 ecu

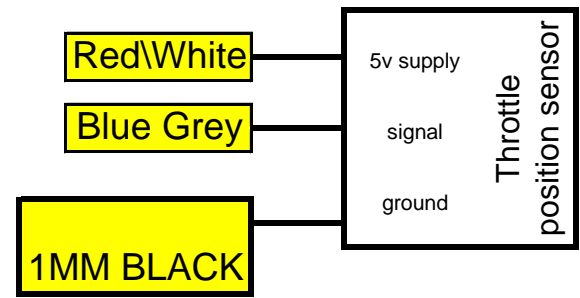
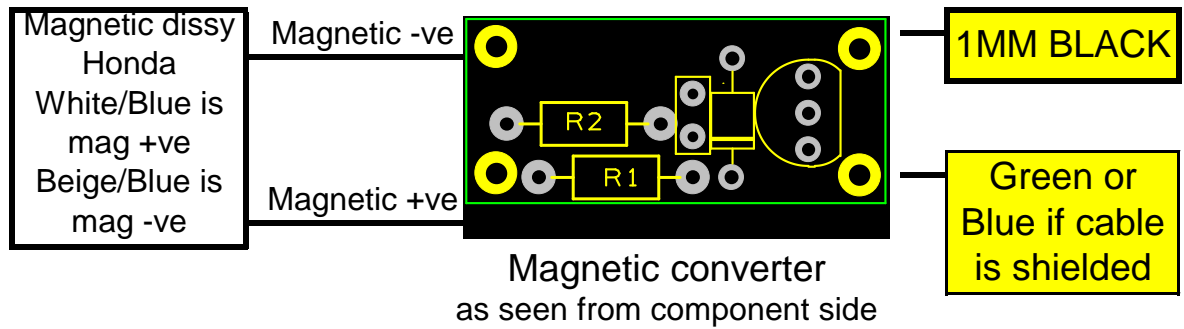
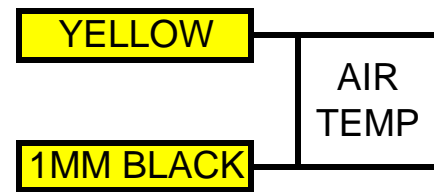
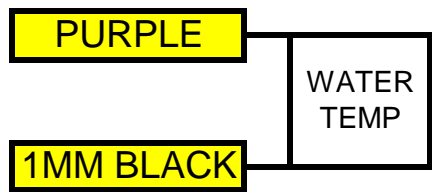


## BMW 6 Cyl Coil On Plug





**WARNING** When using the internal module in the dissy you must set spark edge to rising

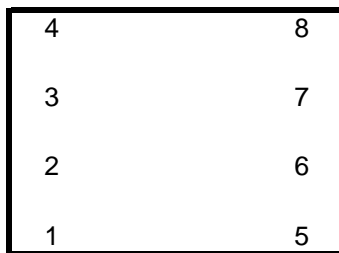


Mag converter is normally fitted between the dissy and the 8 pin plg

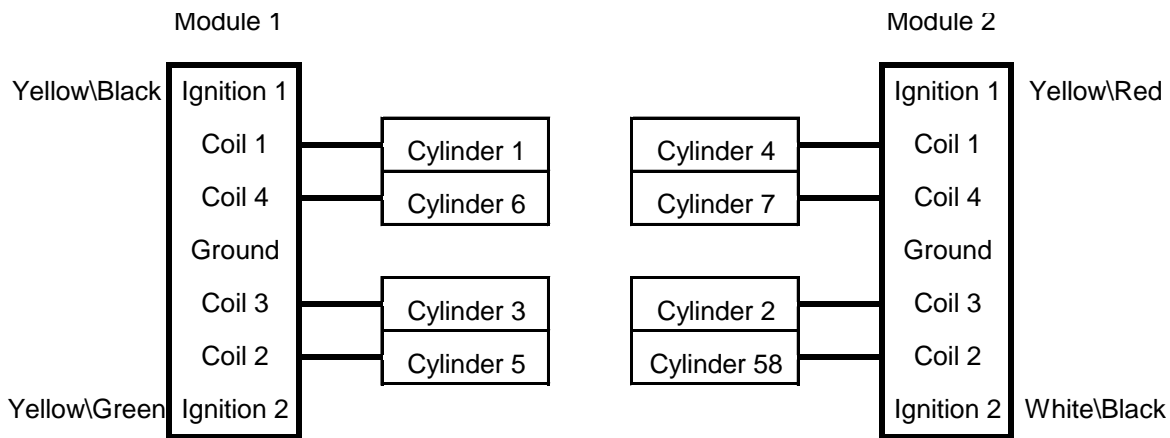
HONDA Magnetic Dissy

# BMW 540 V8

Firing Order 1 5 4 8 6 3 7 2



FRONT RIGHT



## ECU Setip

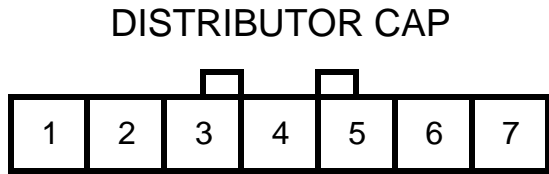
Cylinders must be set to 4 cyl ign divide to 2

Wasted Spark

Cylinders are paired 1 and 6  
 Cylinders are paired 3 and 5  
 Cylinders are paired 4 and 7  
 Cylinders are paired 2 and 8

Yellow/Black  
 Yellow/Green  
 Yellow/Red  
 White/Black

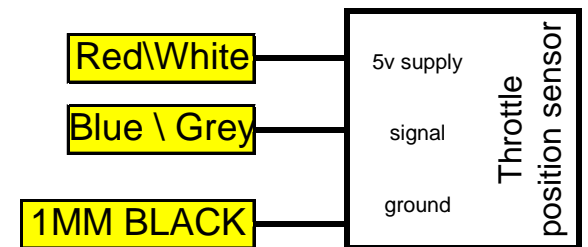
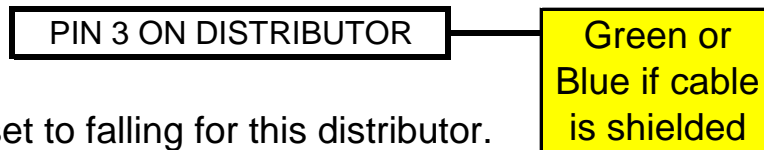
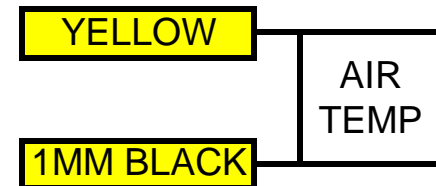
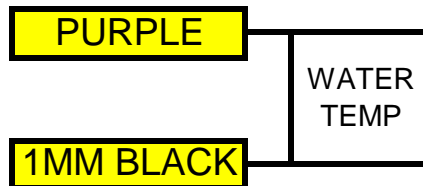
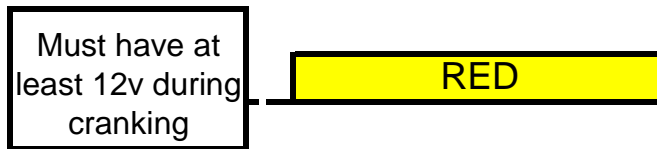
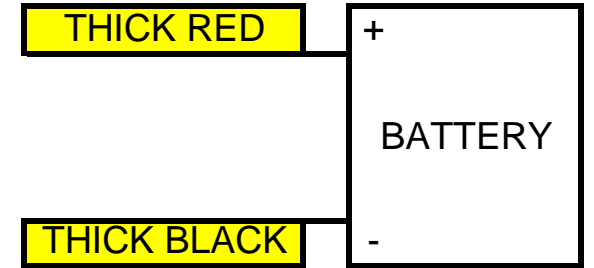
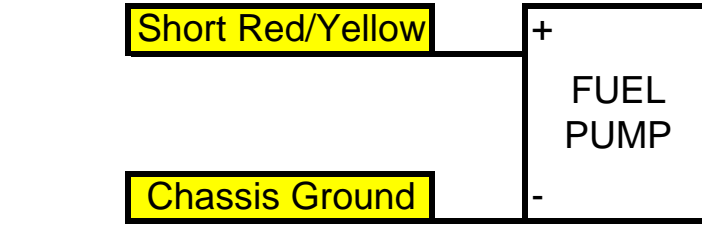
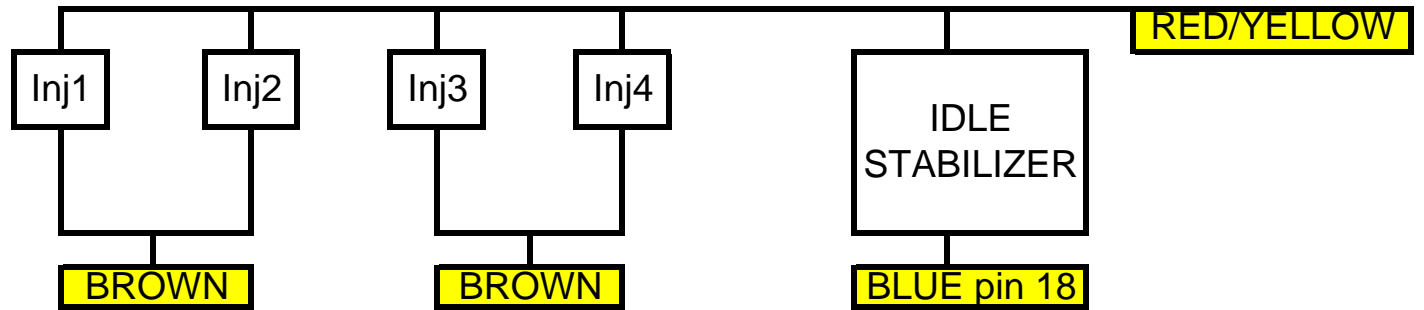
Ignition 1  
 Ignition 2  
 Ignition 3  
 Ignition 4



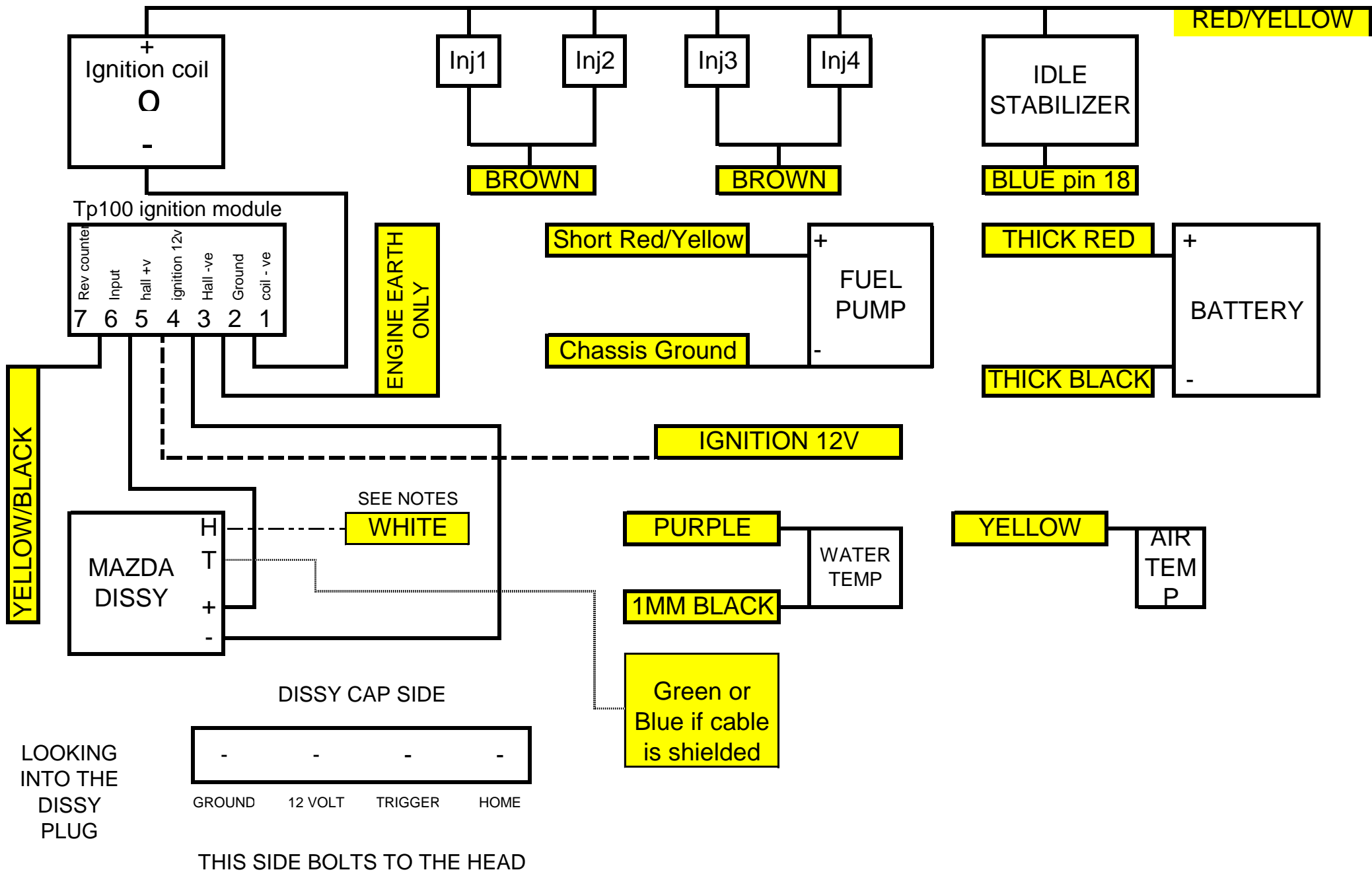
MOUNTING FACE OF DISSY

LOOKING INTO THE PLUG WIRES POINTING AT YOU

- 1 GROUND FOR OPTICAL SENSOR
- 2 12V SUPPLY FOR OPTICAL SENSOR
- 3 TRIGGER SIGNAL TO ECU GREEN
- 4 ENGINE GROUND
- 5 IGNITION SIGNAL FROM ECU YELLOW/BLACK
- 6 SIGNAL TO REV COUNTER
- 7 12V SUPPLY FOR INTERNAL COIL



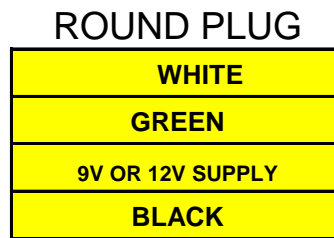
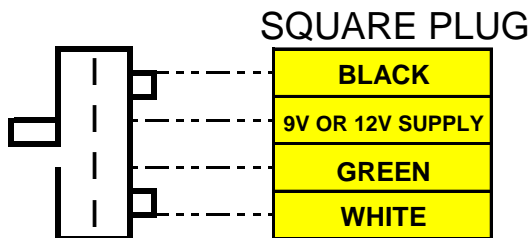
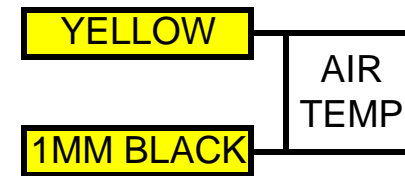
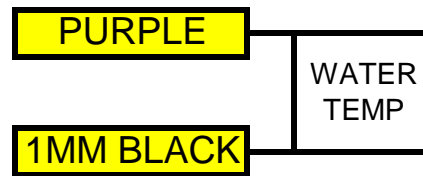
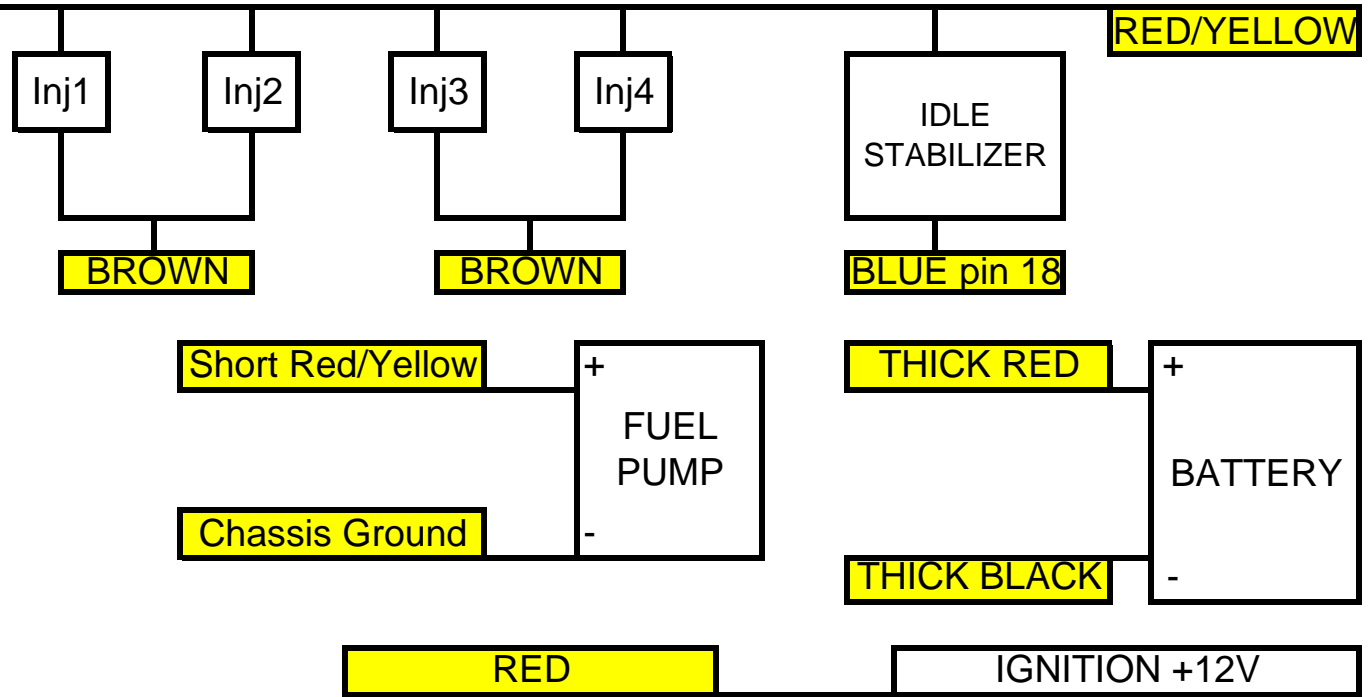
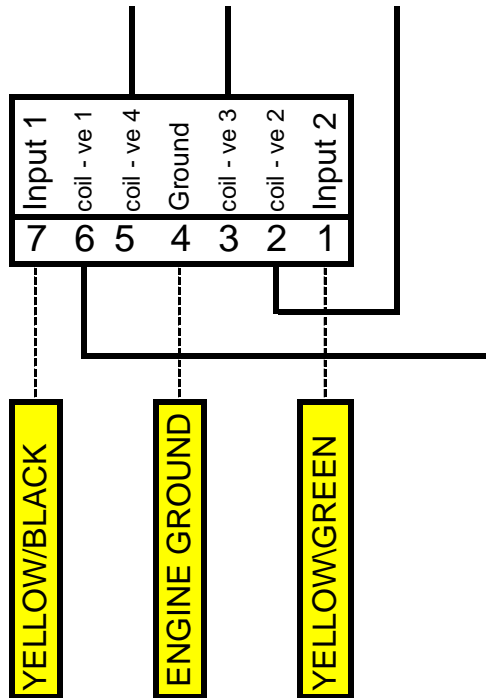
Spark edge must be set to falling for this distributor.  
Coil damage will result if set incorrectly



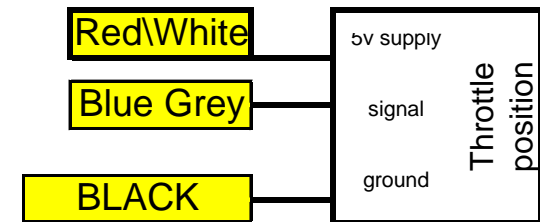
MAZDA 2L FE

Coil's will have 3 connections  
Ign+12v common to all 4 coils. Ground  
to engine common to all 4 coils.

The 3 rd connection is coil -ve these  
are wired to the module one at a time.



If the harness has a shielded input cable the Green wire is now Blue



Ecu,s marked Nissan and 9v out have 9v not 5v coming out of the 5v sensor supply

This can be used to power the cam angle sensor

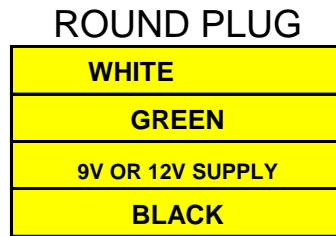
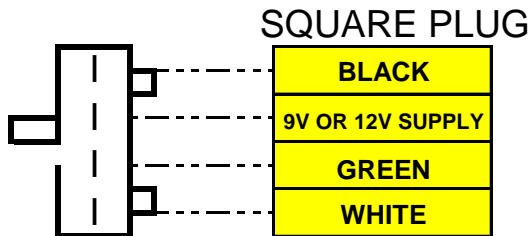
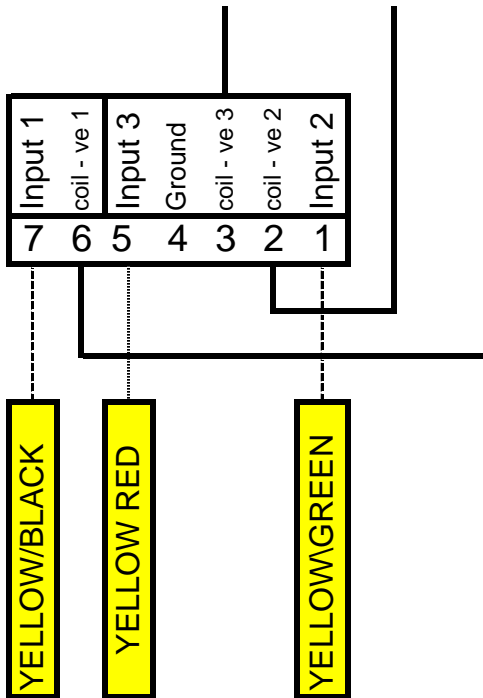
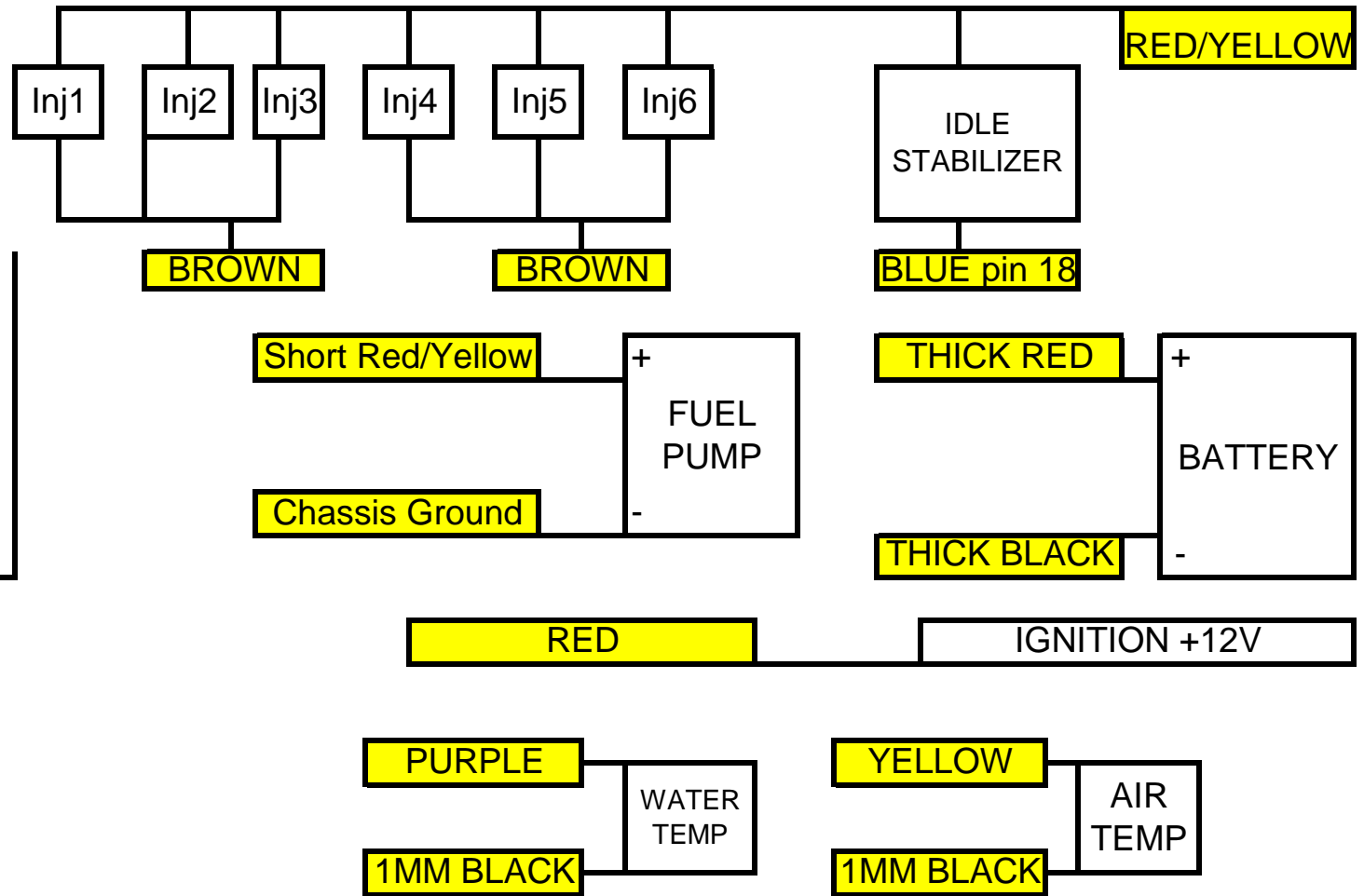
Cam pickups with round corner's are wired opposite to square plug

NISSAN CA18 SR20

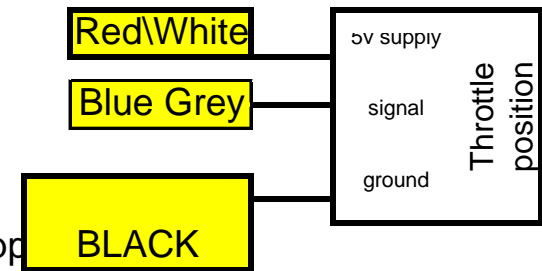
Only one module is shown you will need 2

Coil's will have 3 connections  
Ign+12v common to all 4 coils. Ground to engine common to all 4 coils.

The 3rd connection is coil -ve these are wired to the module one at a time.



If the harness has a shielded input cable the Green wire is now Blue

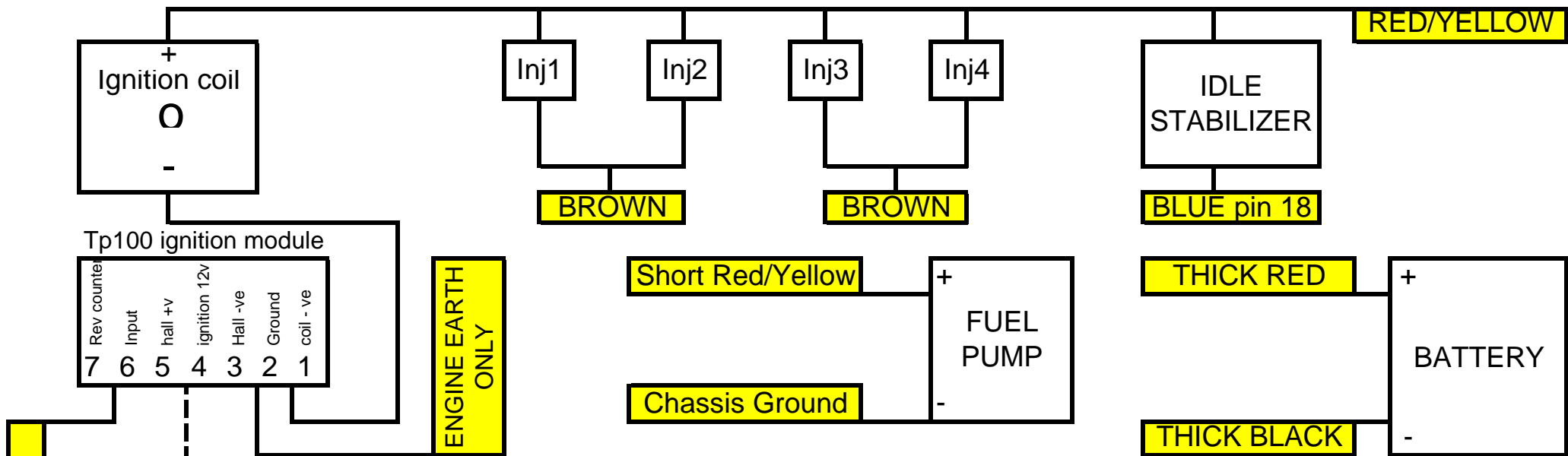


Ecu,s marked Nissan and 9v out have 9v not 5v coming out of the 5v sensor supply

This can be used to power the cam angle sensor

Cam pickups with round corner's are wired opposite to square plug

## NISSAN RB Engines



Tp100 ignition module

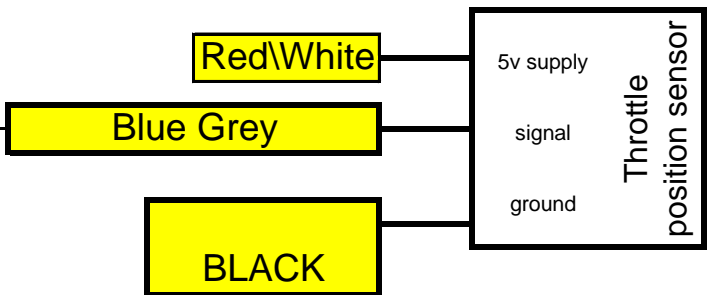
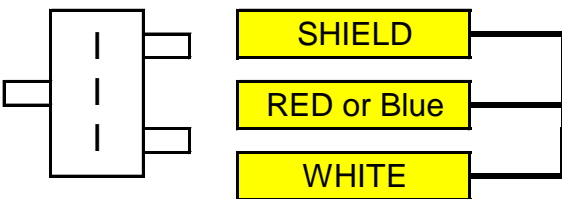
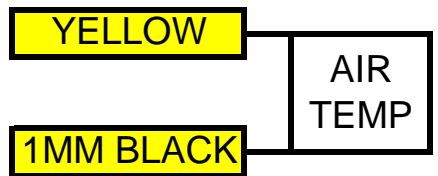
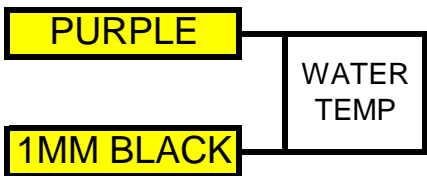
Rev counter	Input	hall +v	ignition 12v	Hall -ve	Ground	coil - ve
7	6	5	4	3	2	1

YELLOW/BLACK

STD OPEL 4 PIN MODULE

Input	ignition 12v	Ground	coil - ve
4	3	2	1

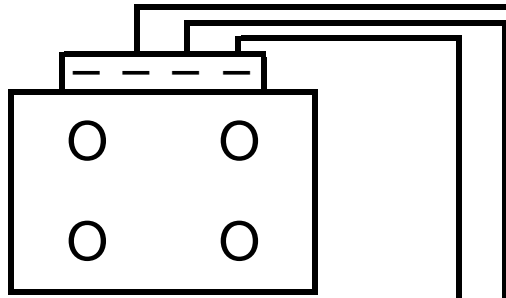
IGNITION 12V



CRANK SENSOR PLUG

OPEL Single Coil

COIL PACK MUST NOT HAVE A ALUMINUM BASE PLATE

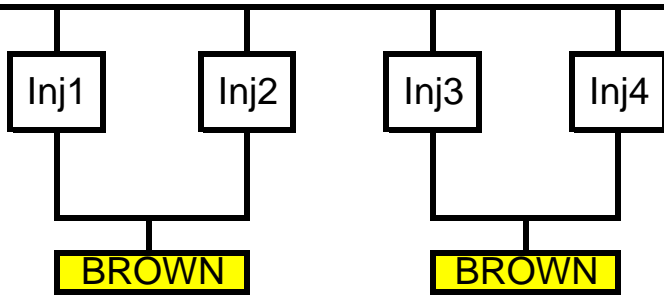


Input 1	coil - ve 1	NOT USED	Ground	NOT USED	coil - ve 2	Input 2
7	6	5	4	3	2	1

YELLOW/BLACK

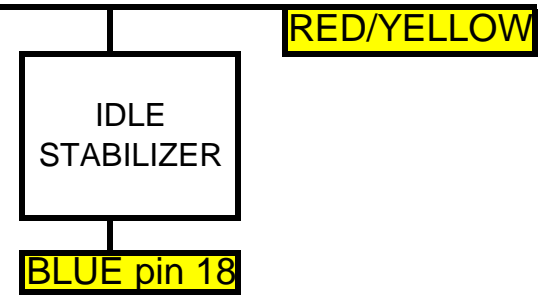
ENGINE GROUND

YELLOW/GREEN



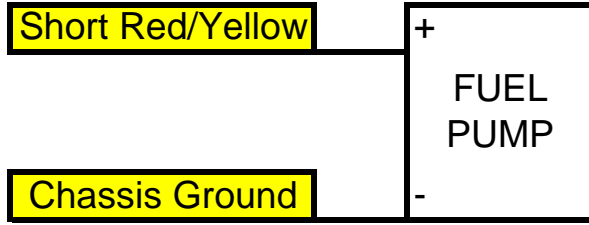
BROWN

BROWN



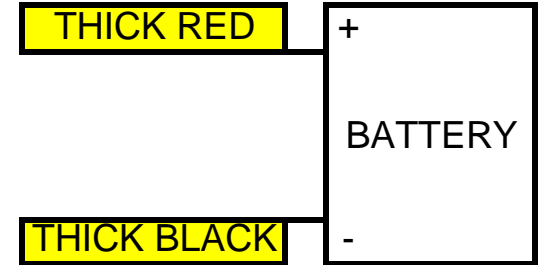
RED/YELLOW

BLUE pin 18



Short Red/Yellow

Chassis Ground

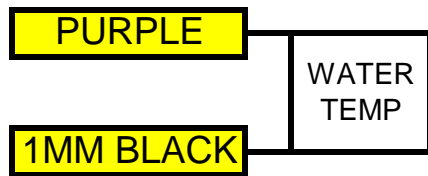


THICK RED

THICK BLACK

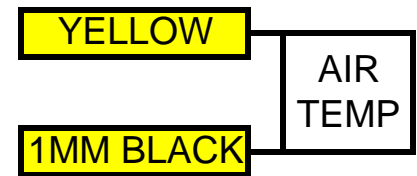
RED

IGNITION +12V



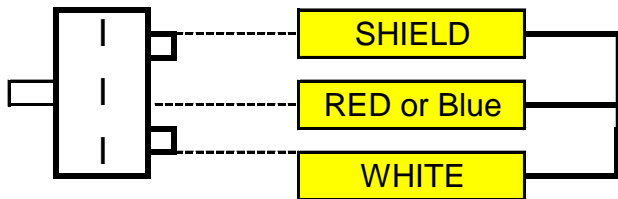
PURPLE

1MM BLACK



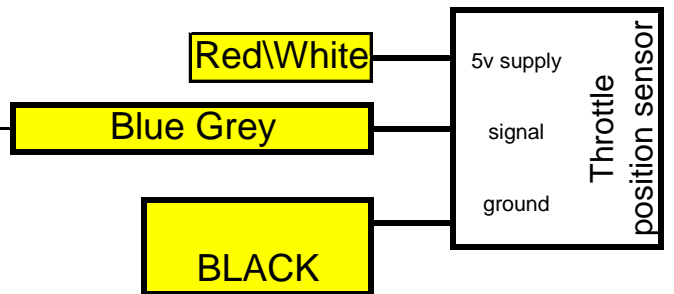
YELLOW

1MM BLACK



CRANK SENSOR PLUG

RED OR GREEN SHIELDED CABLE



Red/White

Blue Grey

BLACK

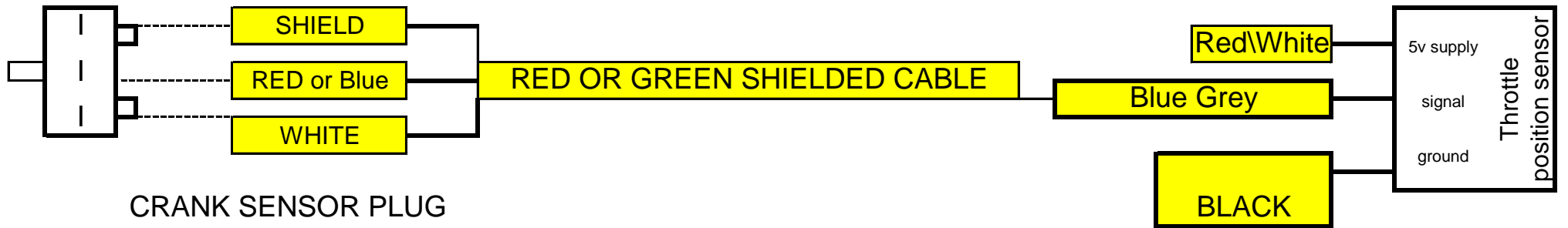
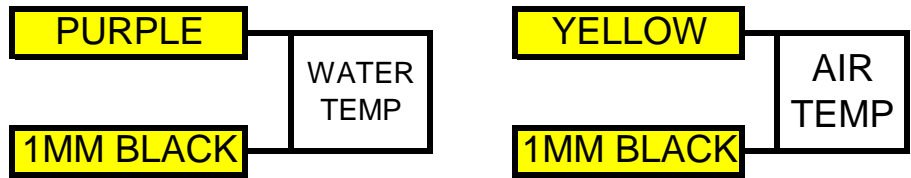
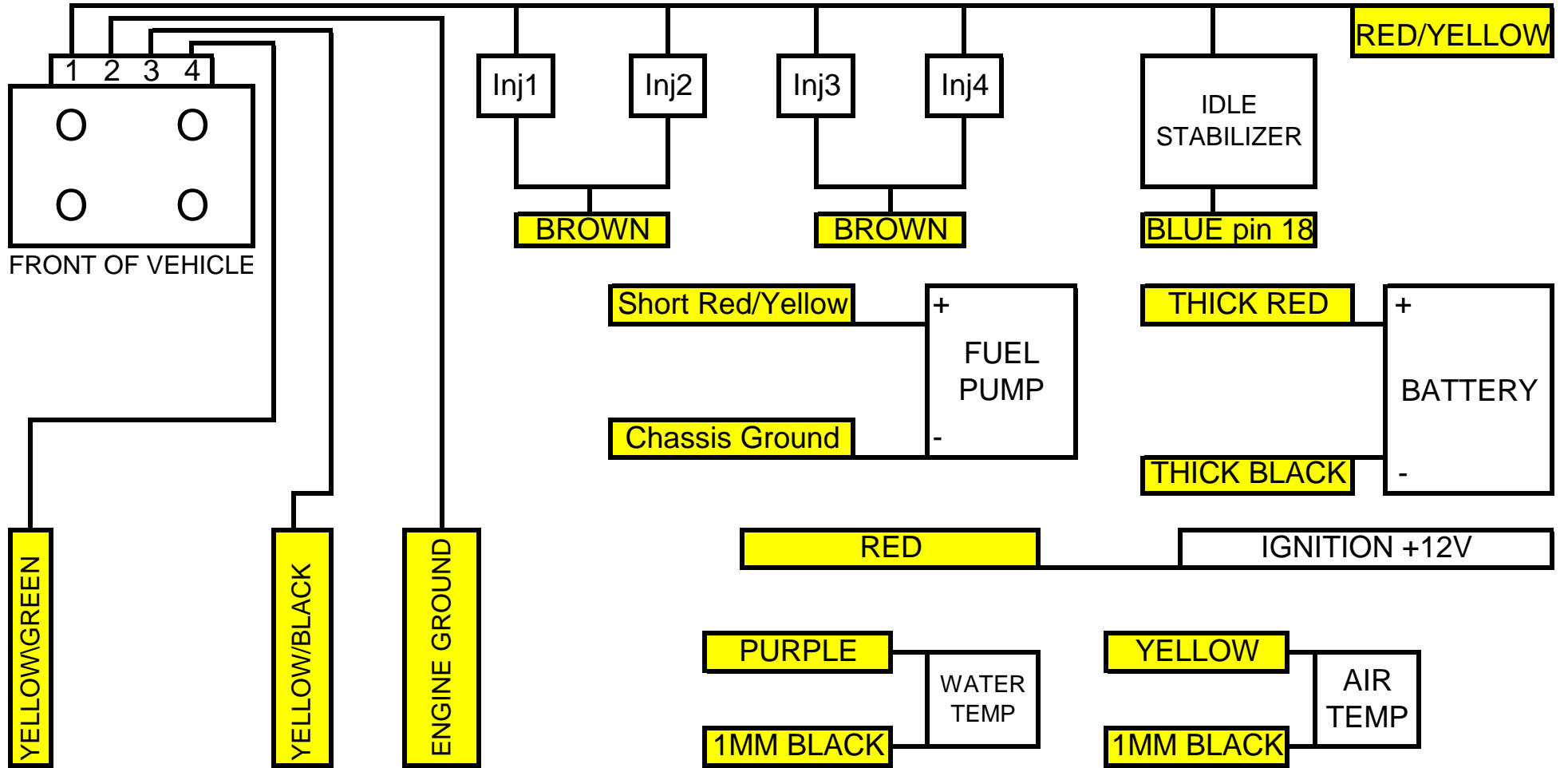
5v supply  
signal  
ground

Throttle position sensor

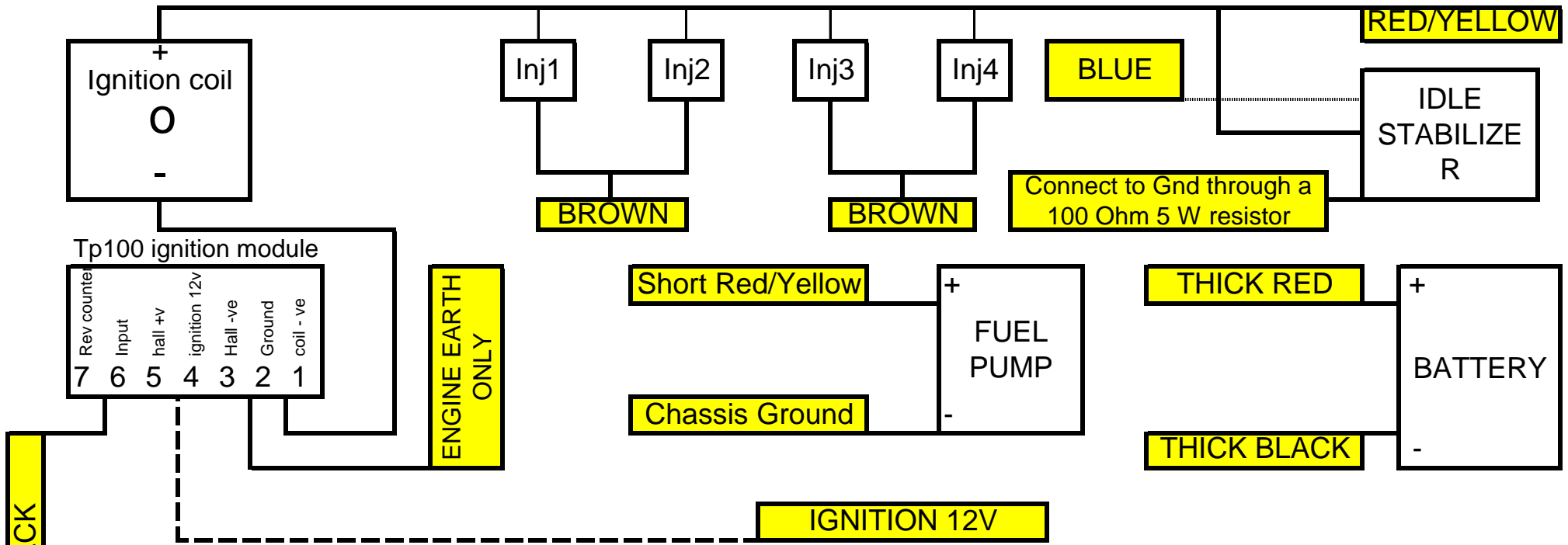
OPEL Ecotec



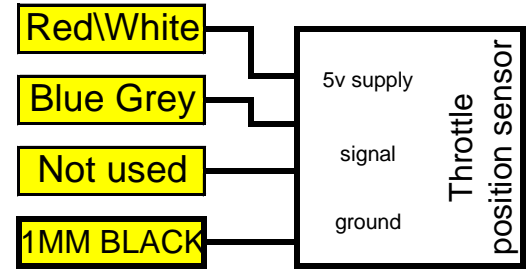
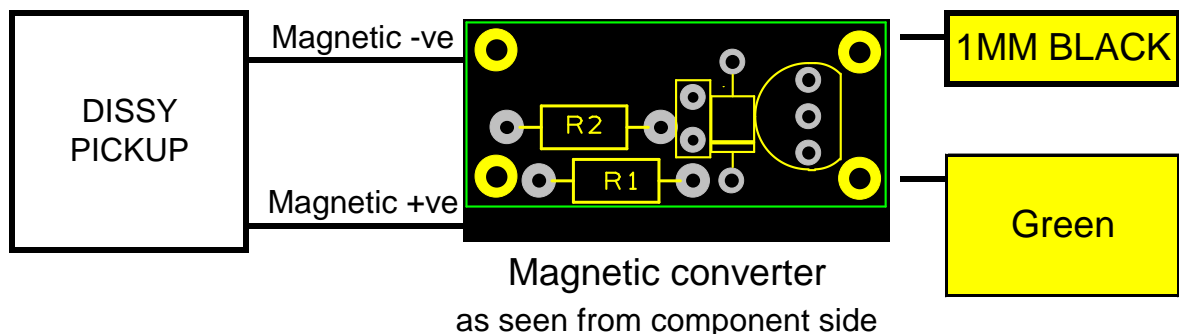
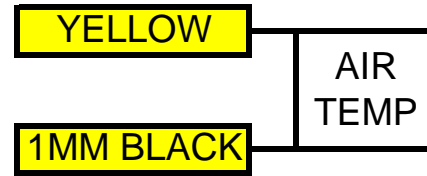
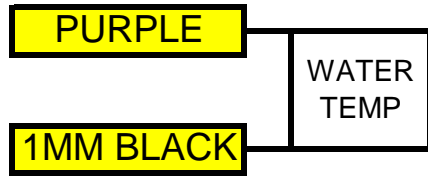
COIL PACK MUST HAVE A  
ALUMINUM BASE PLATE AND 4  
WIRES



OPEL CORSA

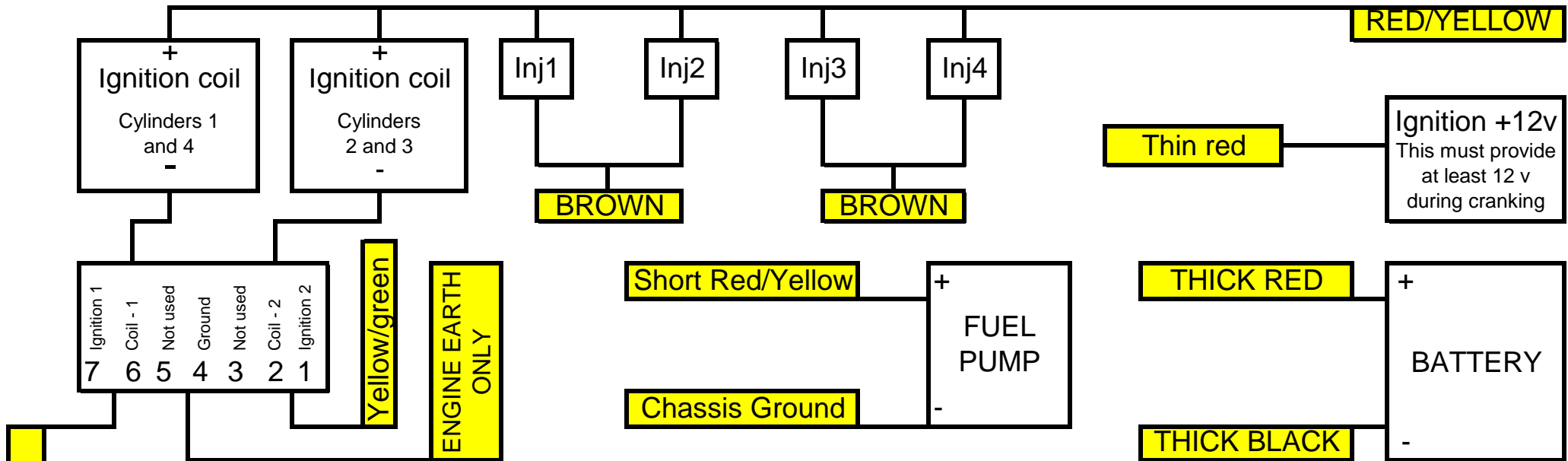


20v and some 16v engines have a 24 tooth pickup in the dissy. This must be modified to 4 teeth. Turn engine to 60 Deg BTDC keep this tooth. Remove the next 5 leave 1 remove 5 leave 1 remove 5. This will leave you with 4 equally spaced teeth.

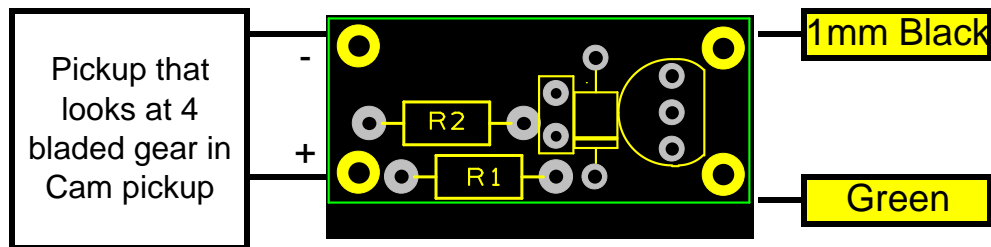
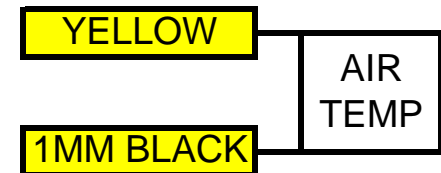
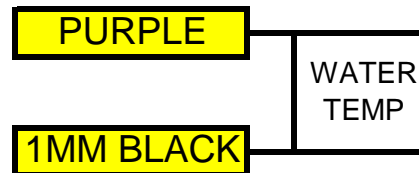
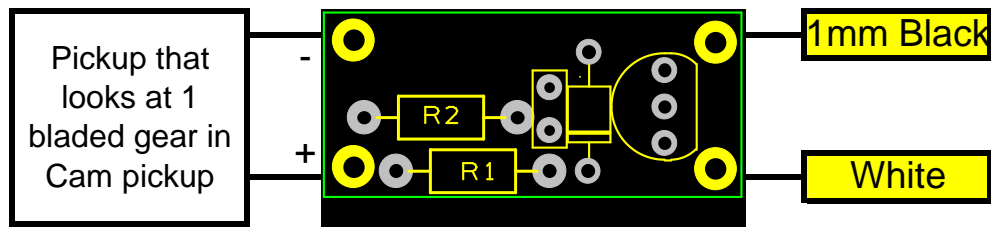


Black connects to Brown on Toyota Tps

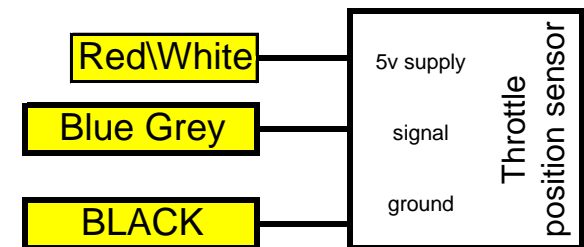
## TOYOTA 16V AND 20V



**YELLOW/BLACK**



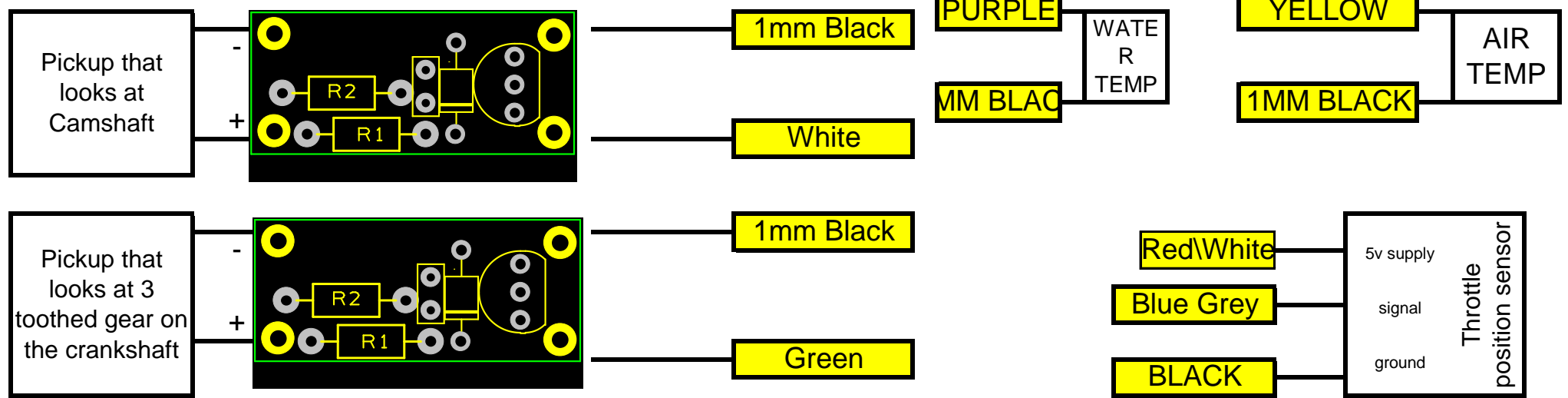
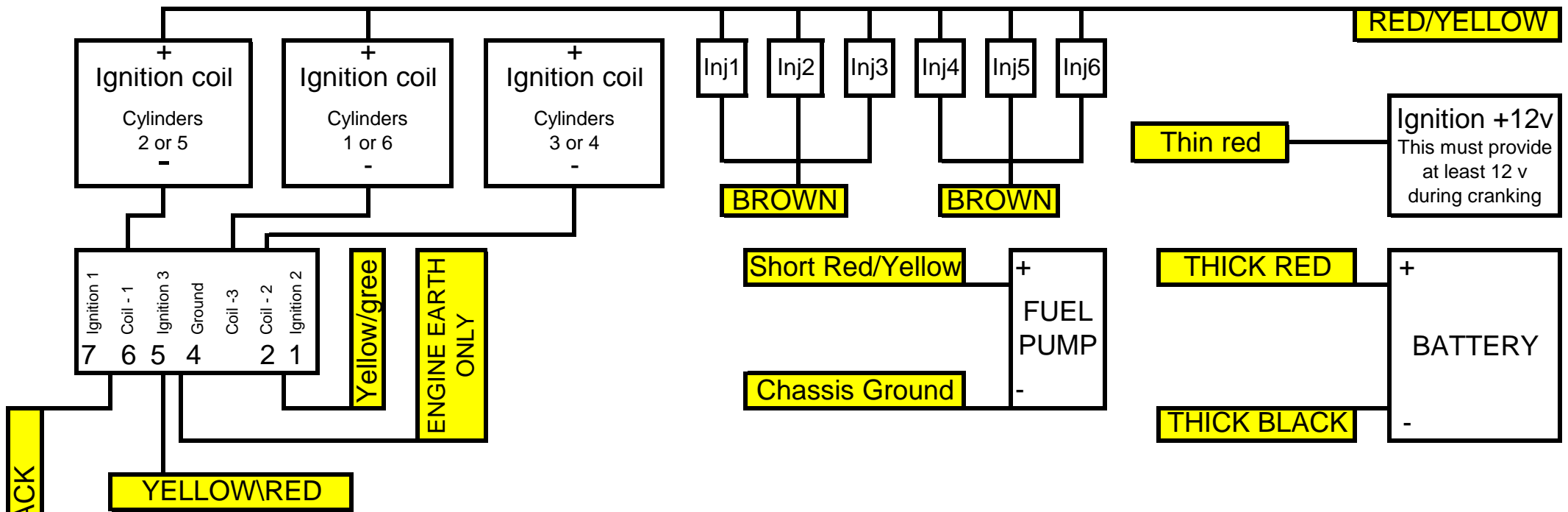
If the harness has a shielded input cable the Green wire is now Blue



Magnetic converter

Most Toyota's have a 24 tooth gear  
You must grind 20 of the teeth of or we can supply a 4 bladed gear

as seen from component side  
Must be mounted close to cam pickup



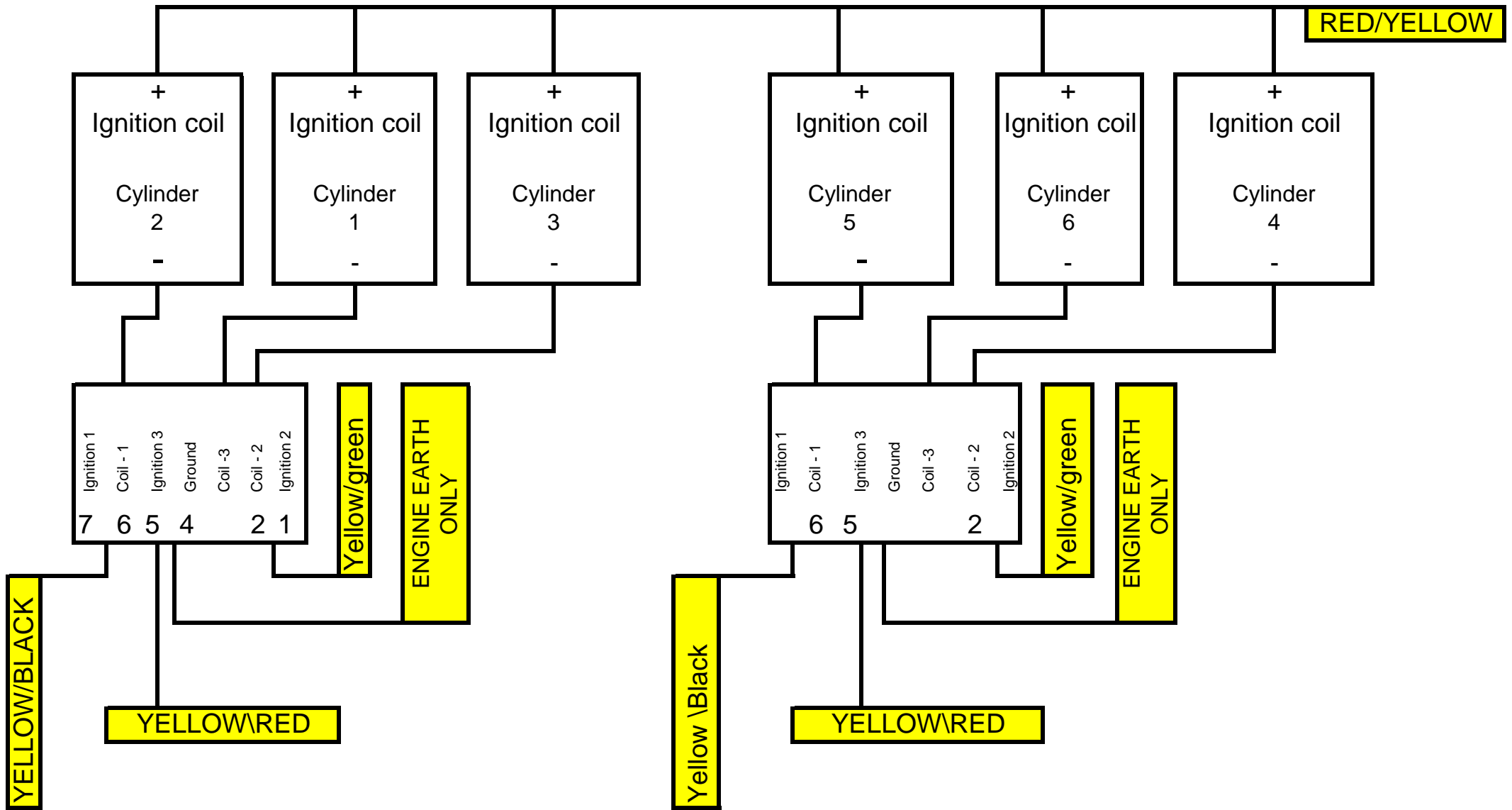
Toyota's have a 12 tooth gear You must grind 9 of the teeth off  
 Trigger must happen 60 to 75 deg BTDC

Magnetic converter as seen from component side  
 Must be mounted close to pickup's

### TOYOTA 1J and 2J non vvt

Only one module is shown you will need 2

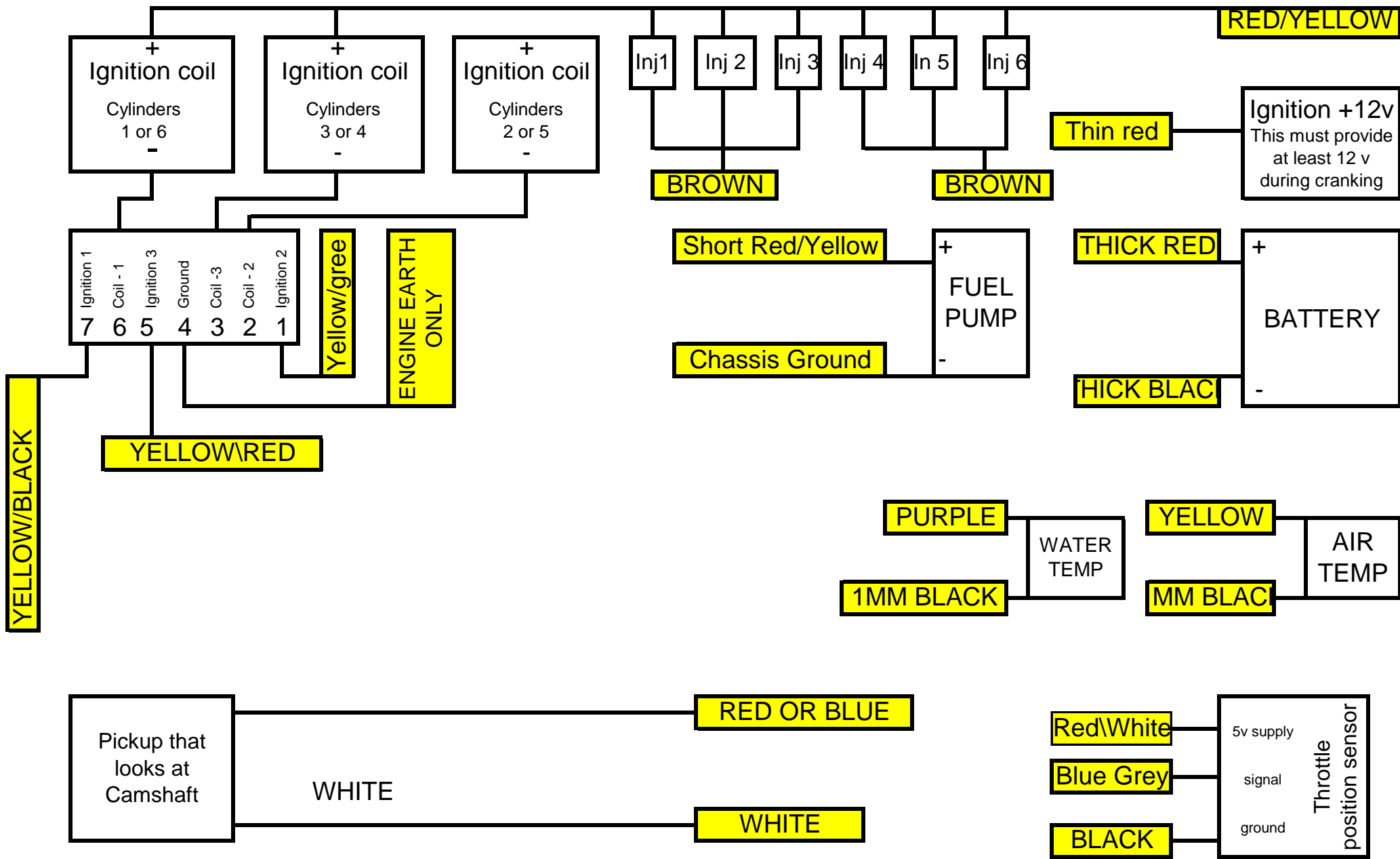
using a Wasted Spark ECU



Module 1

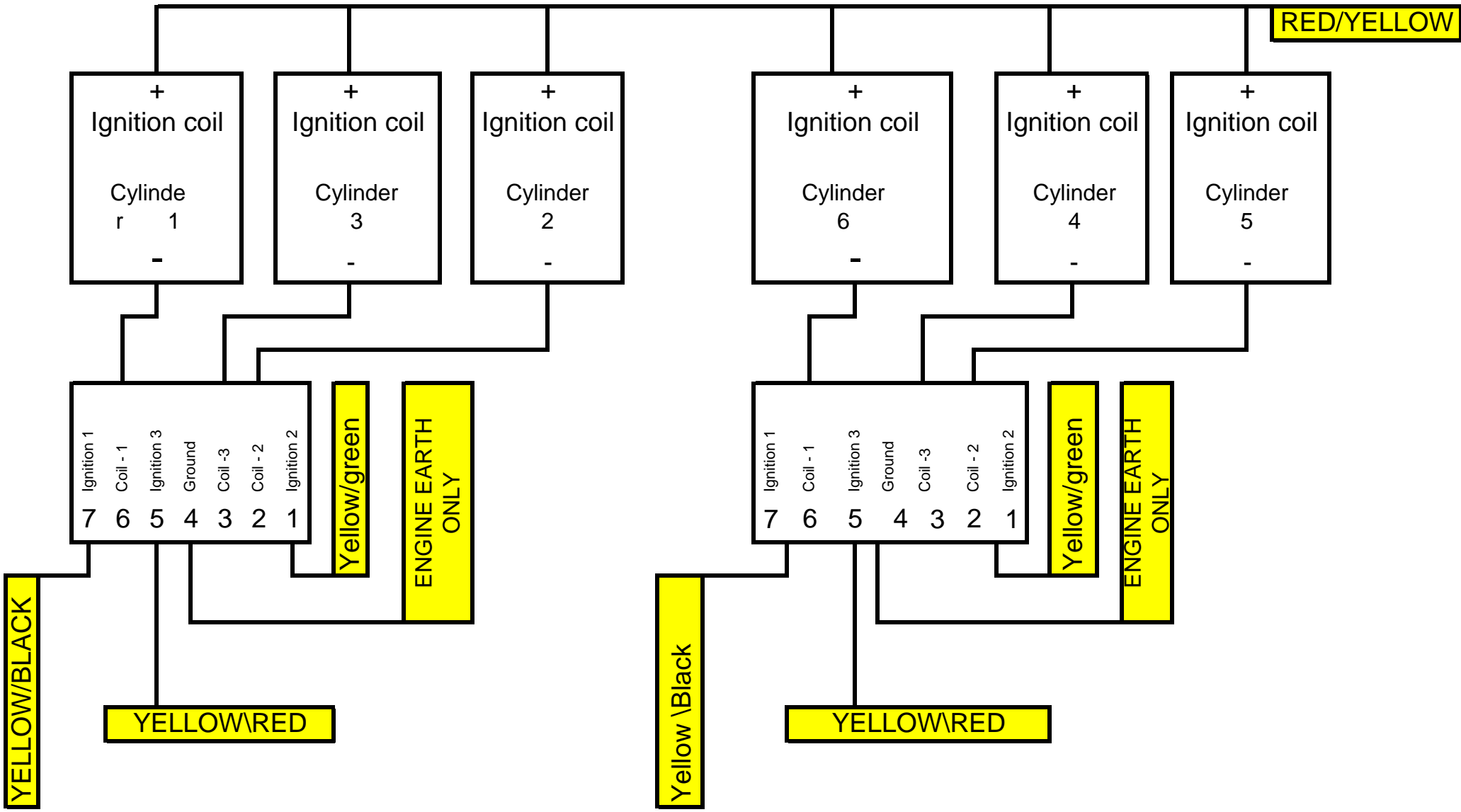
Module 2

TOYOTA 1J and 2J



On engines with 3 coils you will use 1 module.  
 On engines with 6 coils you will use 2 modules.

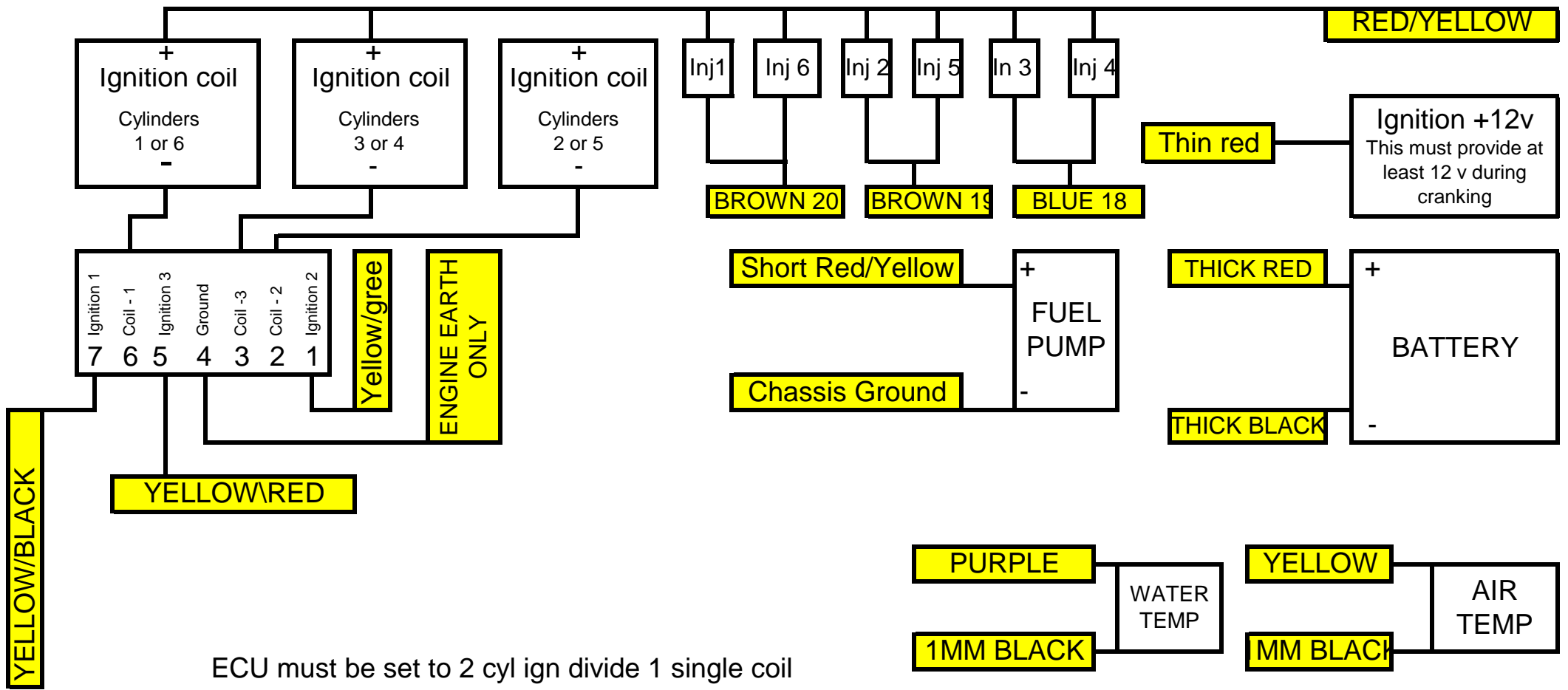
TOYOTA 36-2



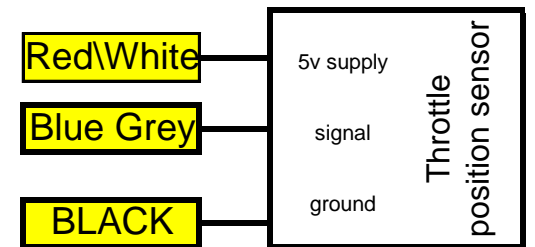
Module 1

Module 2

TOYOTA 1J and 2J



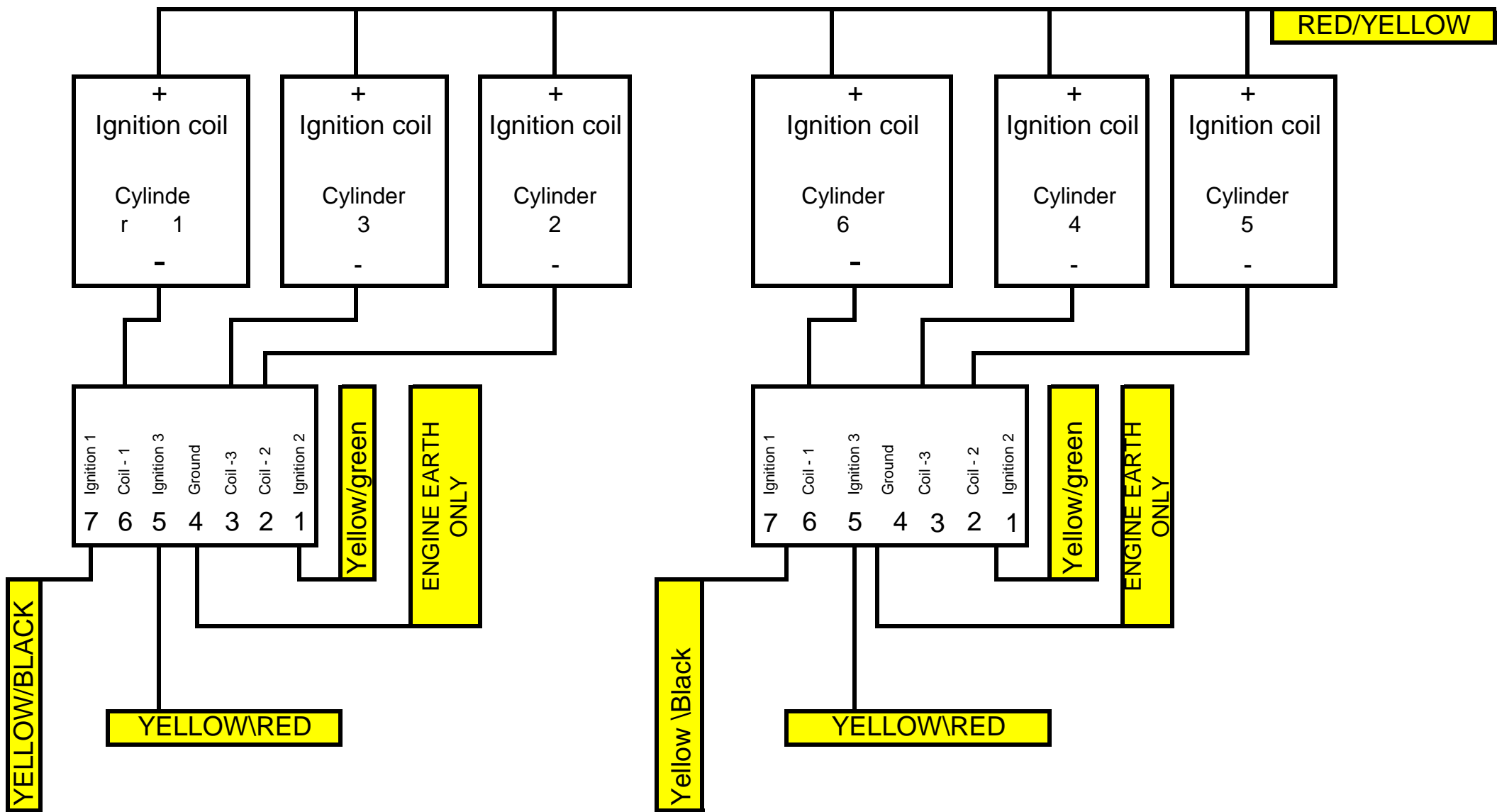
ECU must be set to 2 cyl ign divide 1 single coil



TOYOTA 36-2 3X

Only one module is shown you will need 2

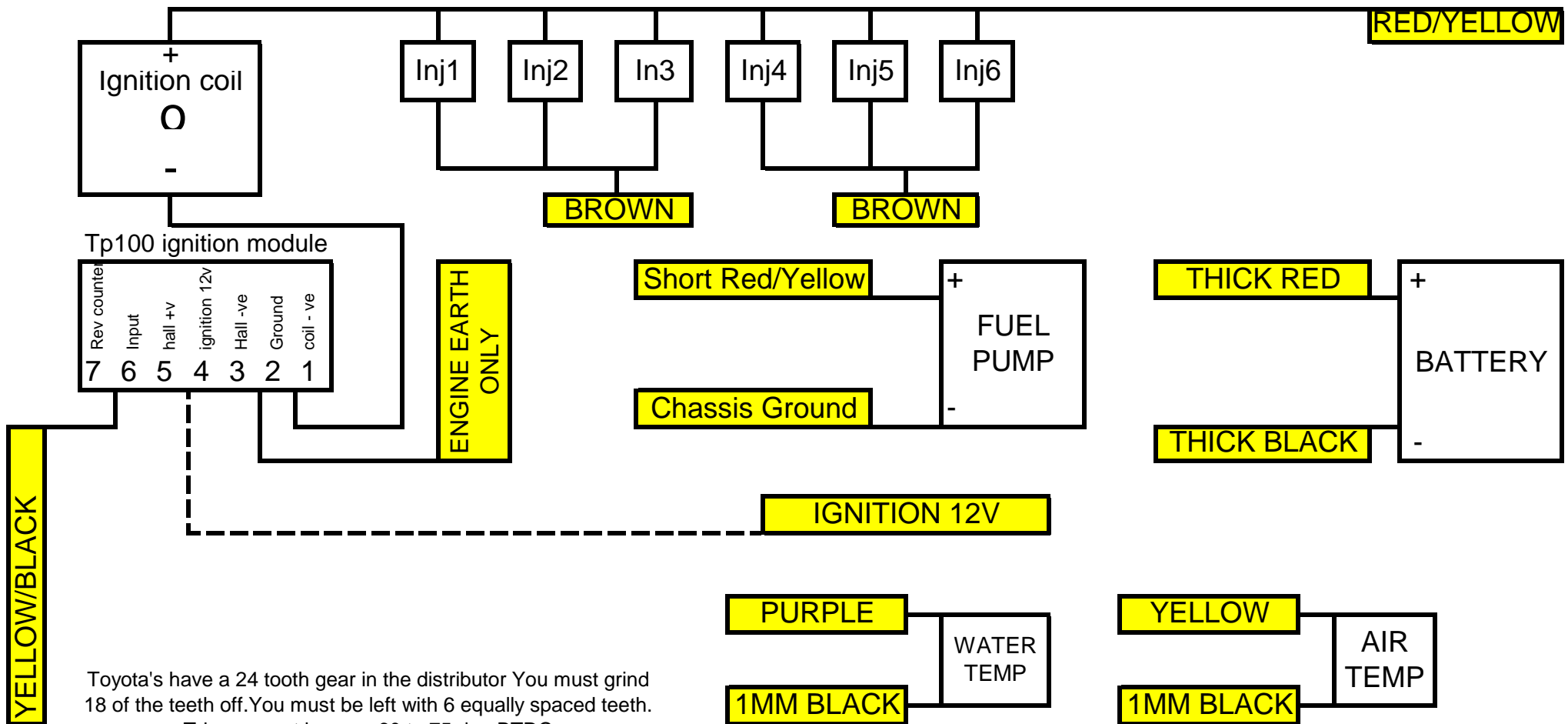




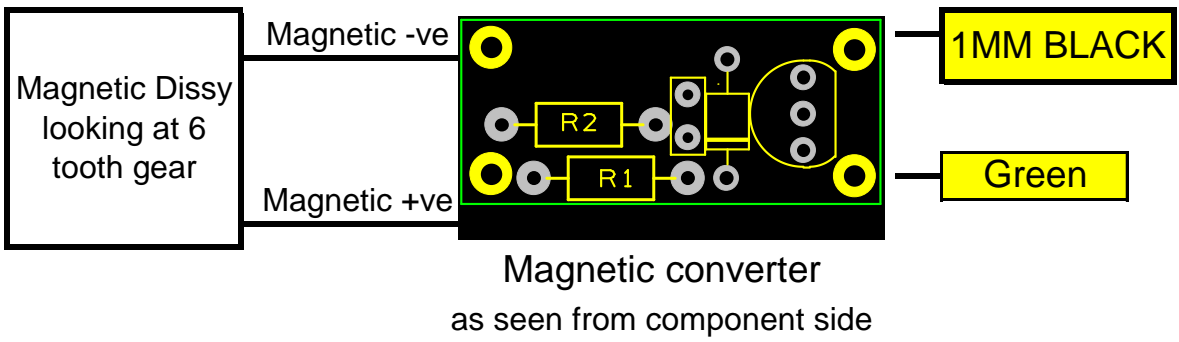
Module 1

Module 2

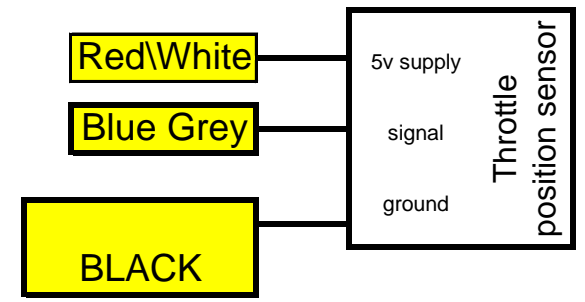
TOYOTA 1J and 2J 3X



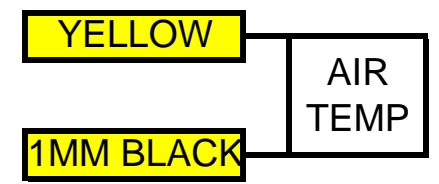
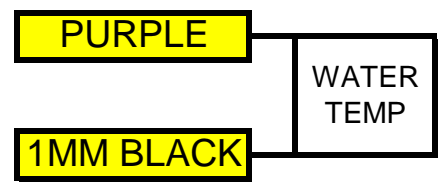
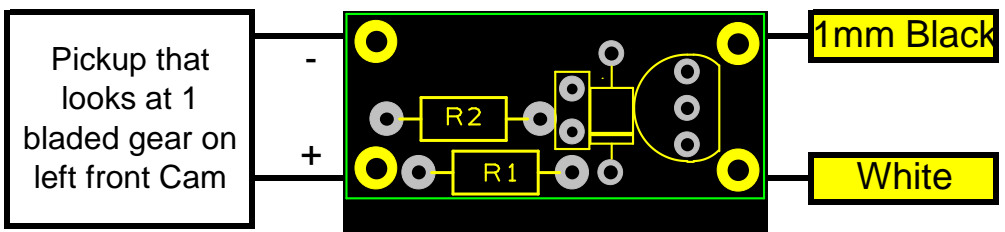
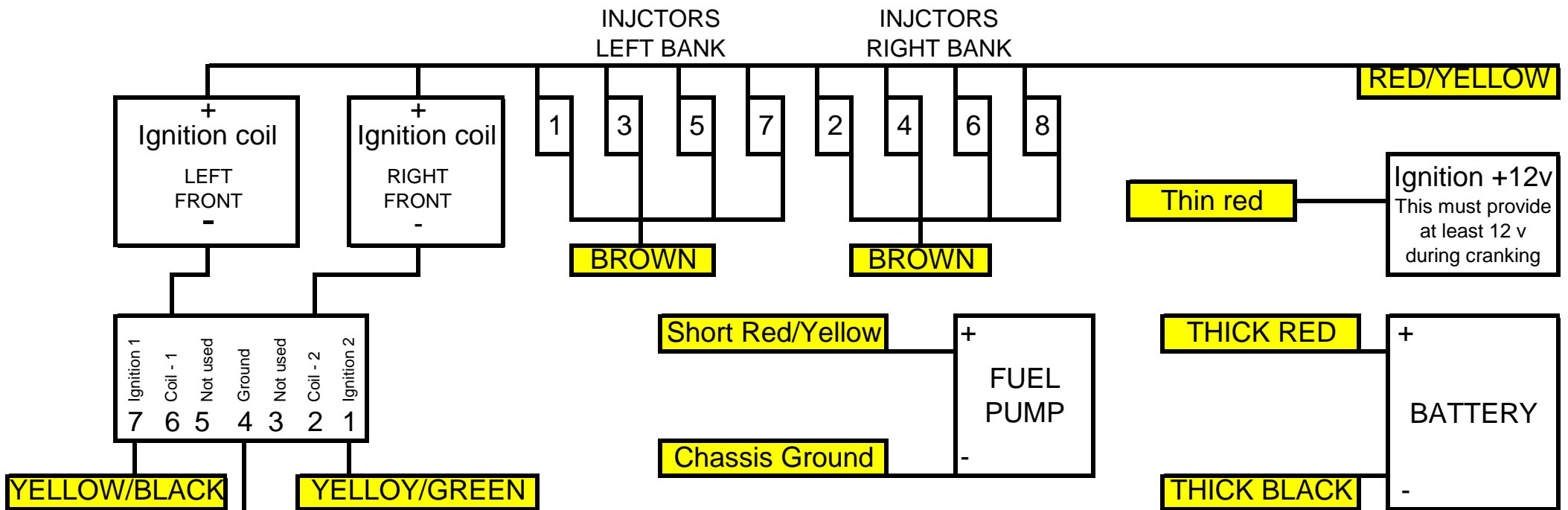
Toyota's have a 24 tooth gear in the distributor You must grind 18 of the teeth off. You must be left with 6 equally spaced teeth. Trigger must happen 60 to 75 deg BTDC



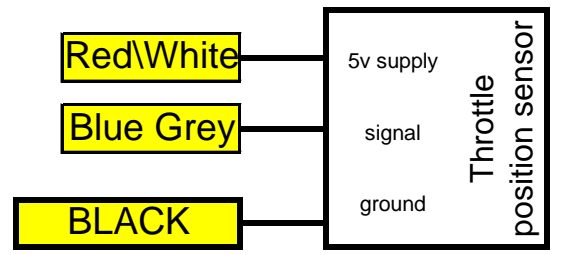
If the harness has a shielded input cable the Green wire is now Blue



TOYOTA 7M with Dissy



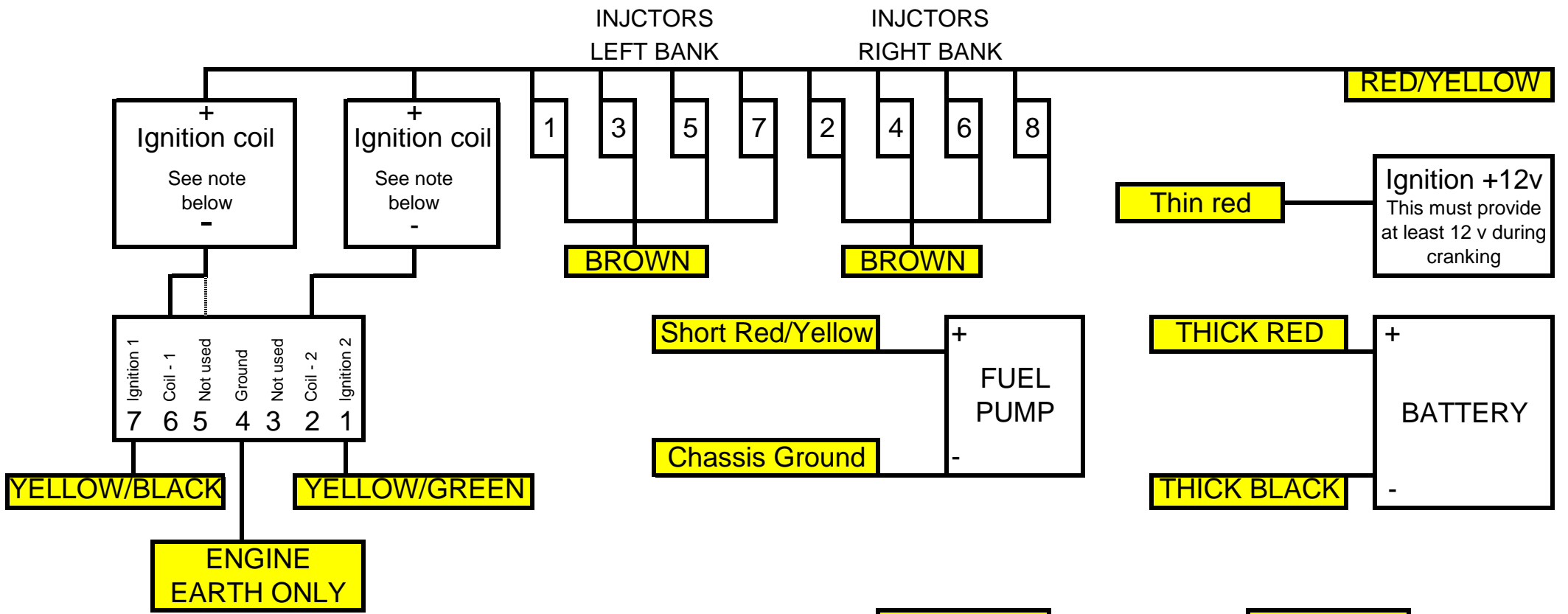
If the harness has a shielded input cable the Green wire is now Blue



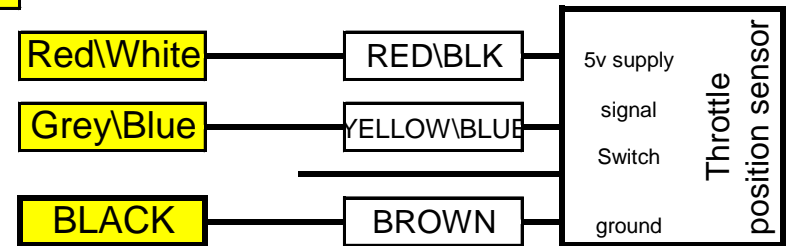
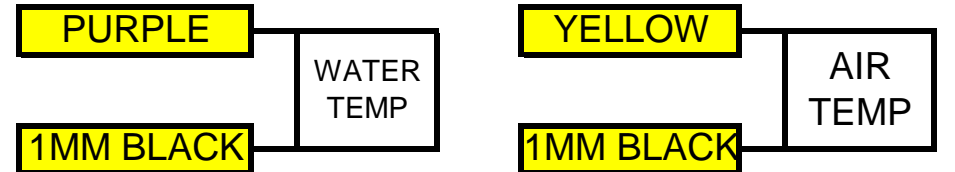
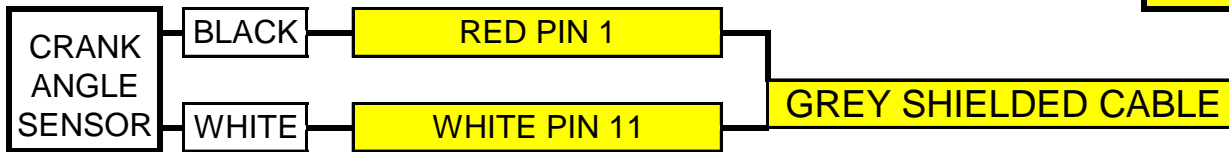
Magnetic converter  
as seen from component side

LEXUS V8 ENGINES HAVE A 12 TOOTH TRIGGER WHEEL YOU MUST GRIND 8 OF THE TEETH OFF CHECK HELP NOTES FOR CORRECT PROCEDURE

TOYOTA LEXUS V8  
wasted spark ecu



WHEN USING A QUAD MODULE WIRE PIN 5 AND 6 TOGETHER AND PIN 2 AND 3 TOGETHER



ENGINE MUST BE FITTED WITH THE SUPPLIED 36-1 TOOTH WHEEL

Tps must only be connected if you are using a gbox ecu

**TOYOTA 36-1 LEXUS V8**

**Old 36-1 wheel**

**New 36-1 wheel**

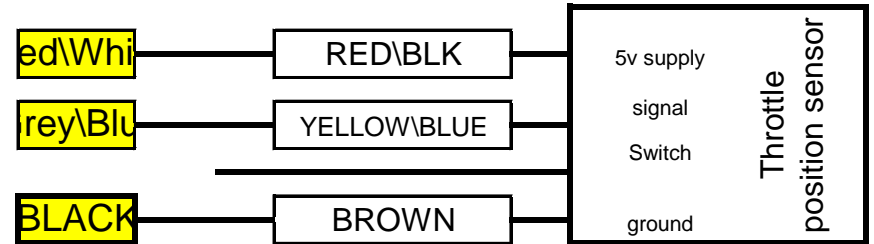
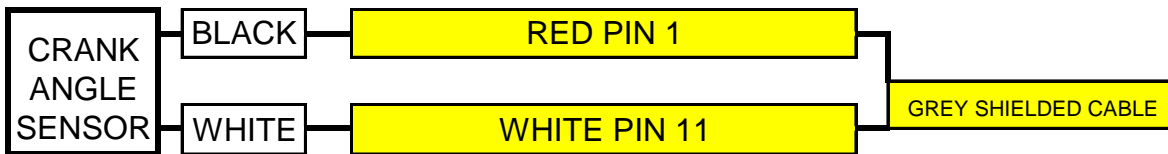
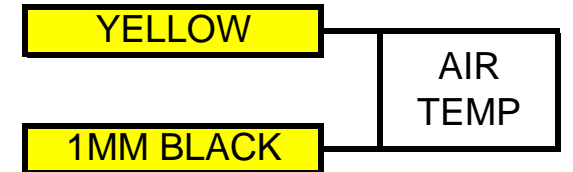
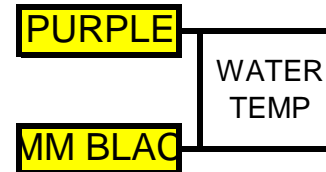
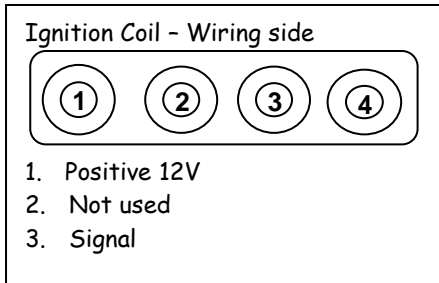
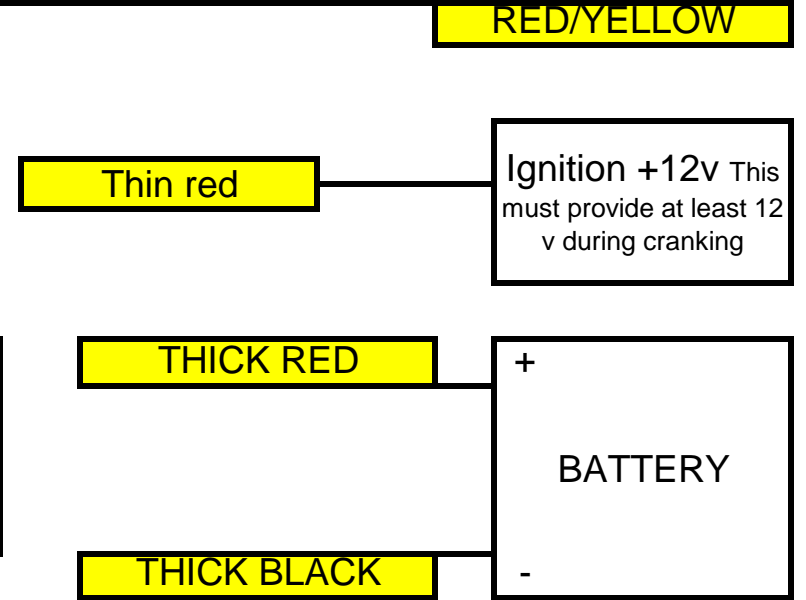
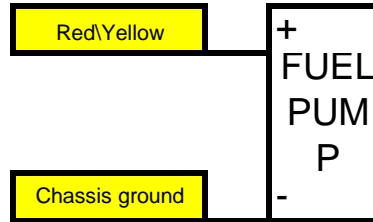
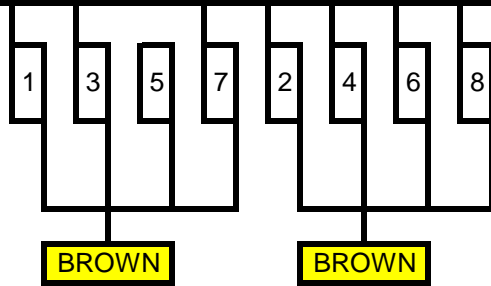
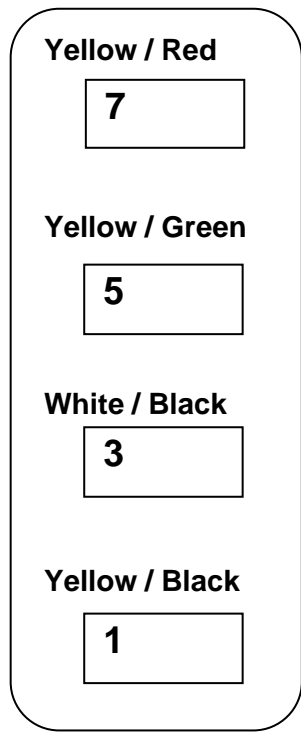
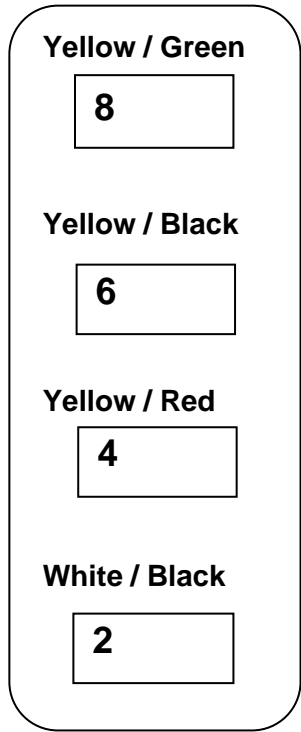
Trigger input rising  
Trigger angle +-55  
Yellow\Black to top coil



Trigger input default/falling  
Trigger angle +-60  
Yellow\Black to left side coil

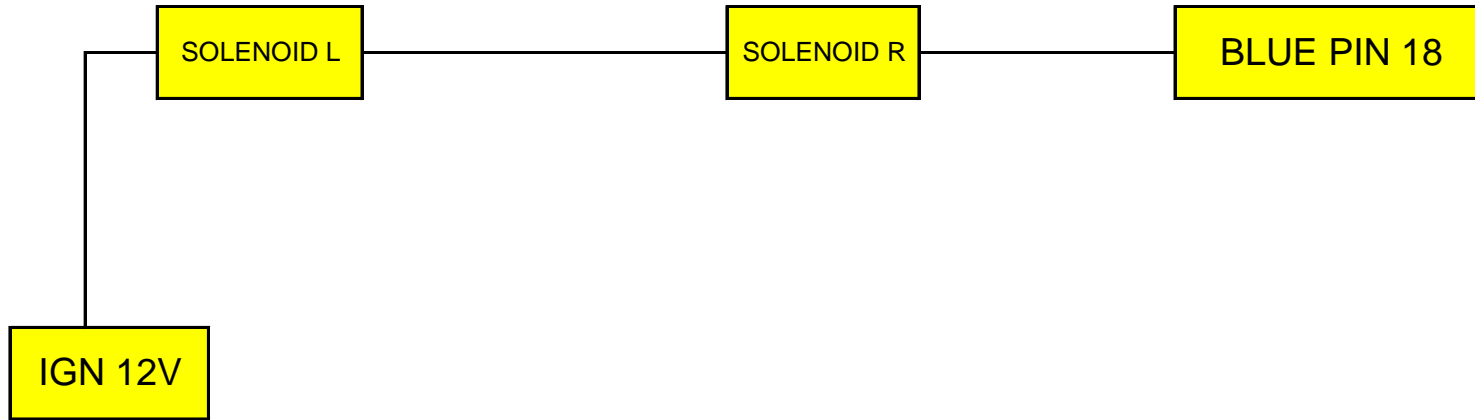
+12V SUPPLY FOR ALL 8 COILS

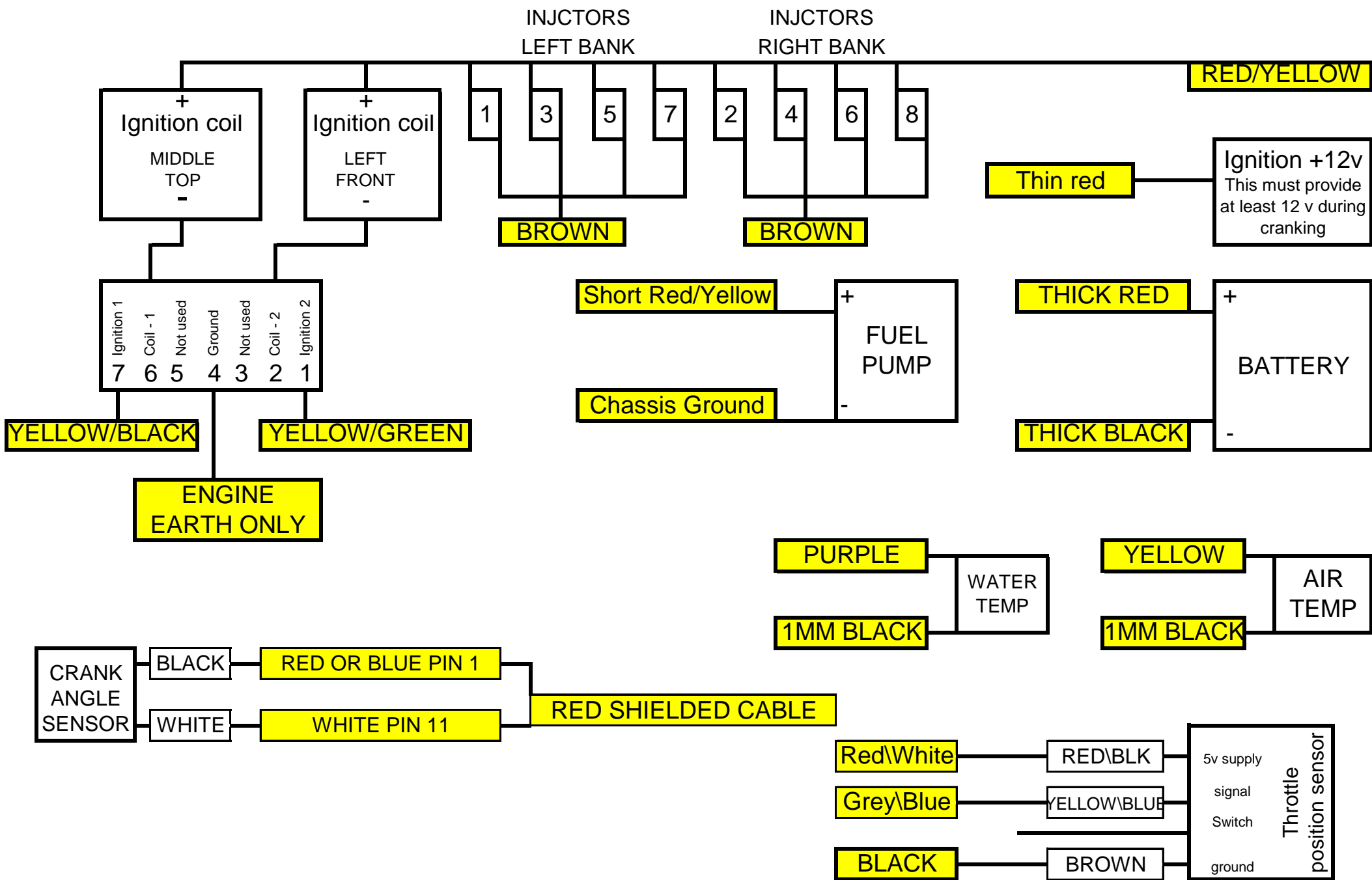
INJECTORS  
LEFT BANK      INJECTORS  
RIGHT BANK



TOYOTA 36-1 LEXUS V8

# LEXUS VVTI ENGINES





ENGINE MUST BE FITTED WITH THE SUPPLIED 36-1 TOOTH WHEEL

Tps must only be connected if you are using a gbox ecu

TOYOTA 36-1 LEXUS V8



## 36-1 or 60-2 V8, 2X or 3X ecu's

### **36-1 or 60-2 v8 ecu's 8 cylinder**

cylinders must be set to 4 cylinder ignition divide 2

Setting the ecu to wasted spark there will be 4 ignition outputs active White\Black is no 4. There is no GPO

Setting the ecu to single coil with dissy will make 2 ignition outputs active. Yellow\Red is now ignition 2 not Yellow\Gr

### **36-1 or 60-2 2X ecu's 4 cylinder**

Cylinders must be set to 2 cylinder ignition divide 1

The ecu must be set to single coil with dissy.This will make 2 ignition outputs active.

Pin 20 to cylinder 1 and 4

pin 19 to cylinder 2 and 3

### **36-1 or 60-2 3X ecu's 6 cylinder**

Cylinders must be set to 2 cylinder ignition divide1

The ecu must be set to single coil with dissy.This will make 3 ignition outputs active.

The idle stabiliser wire Blue is used as a 3rd injector output.

Pin 20 to cyl 1 and 6

Pin 19 to cyl 2 and 5

Pin 18 to cyl 3 and 4

### **36-1 or 60-2 2X ecu's 4 cylinder**

Cylinders must be set to 2 cylinder ignition divide 1

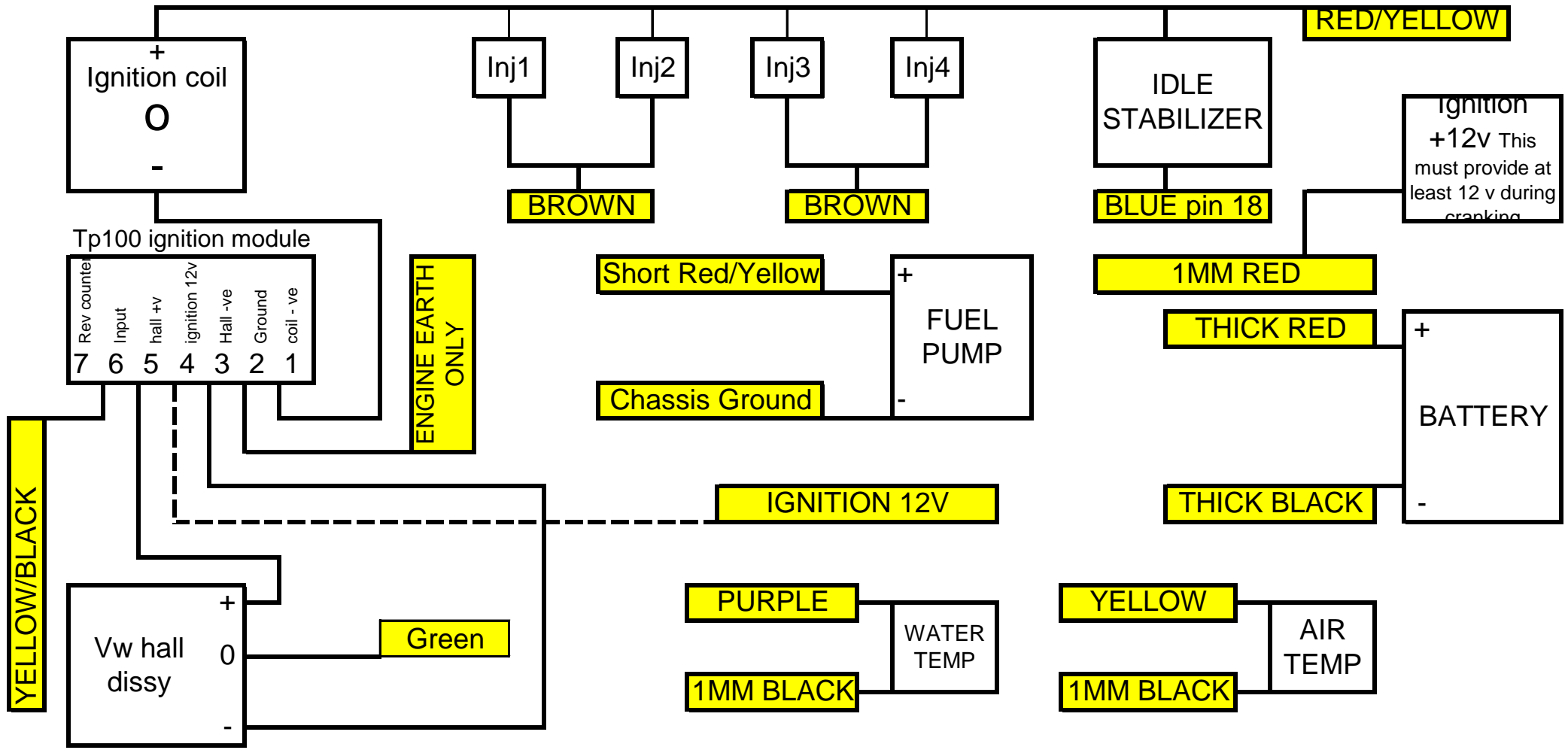
The ecu must be set to single coil with dissy. This will make 2 ignition outputs active.

Pin 20 to cylinder 1 and 4

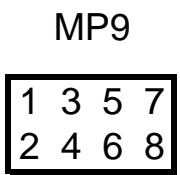
pin 19 to cylinder 2 and 3

Ign 1 will fire cylinder 2 and 3

Ign 2 will fire cylinder 1 and 4

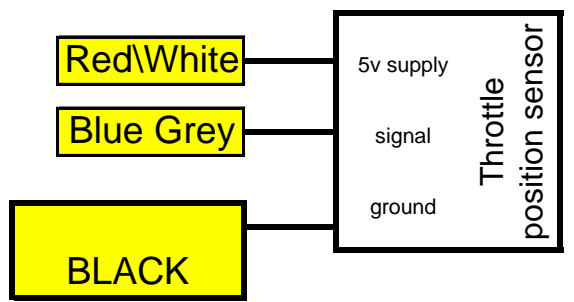


- 1 Idle stabilizer +12v
- 2 Idle stabilizer -ve
- 4 TPS Ground

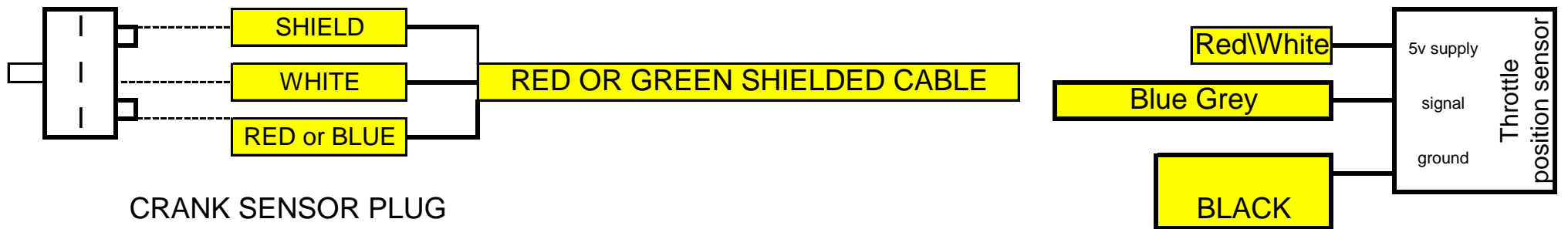
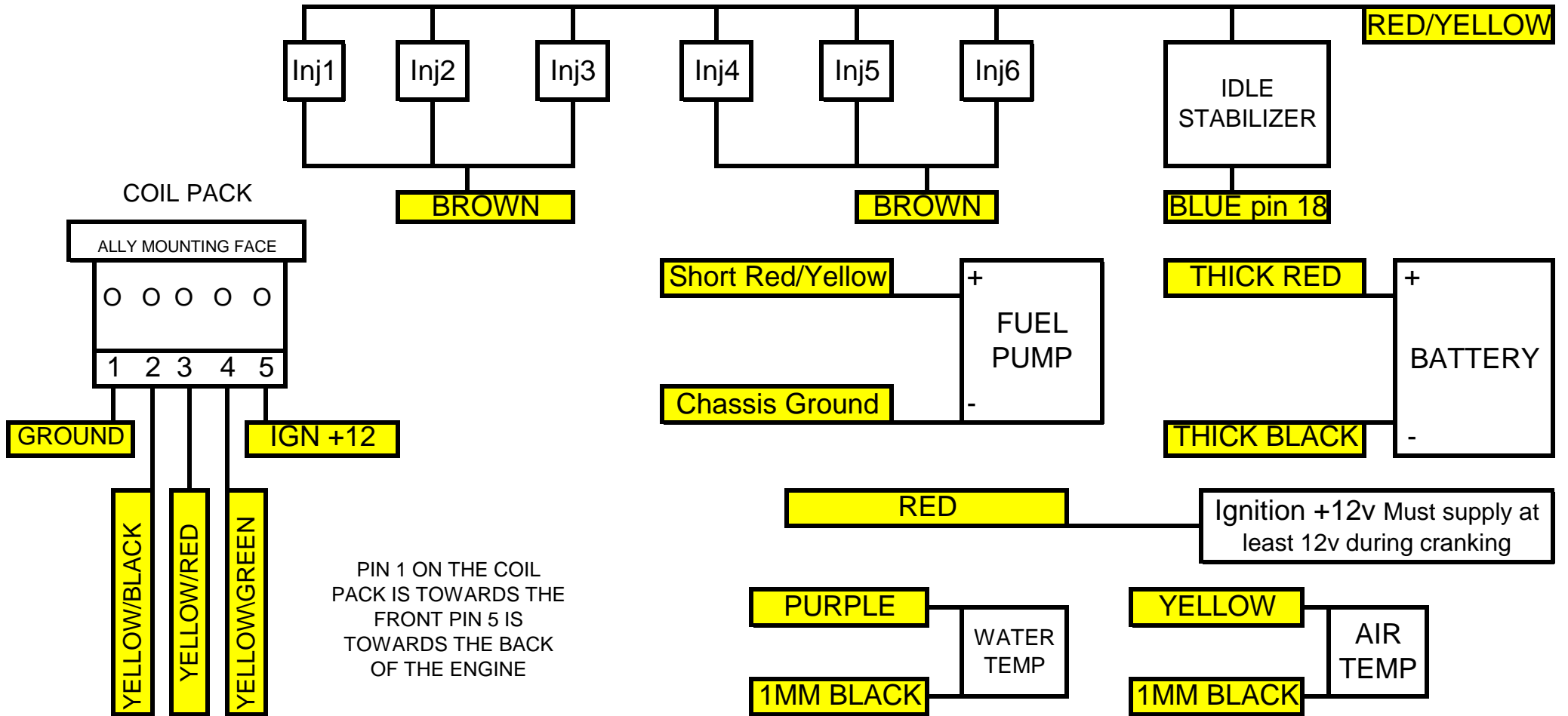


- 5 TPS Signal
- 7 TPS Power +5v

If the harness has a shielded input cable the Green wire is now Blue

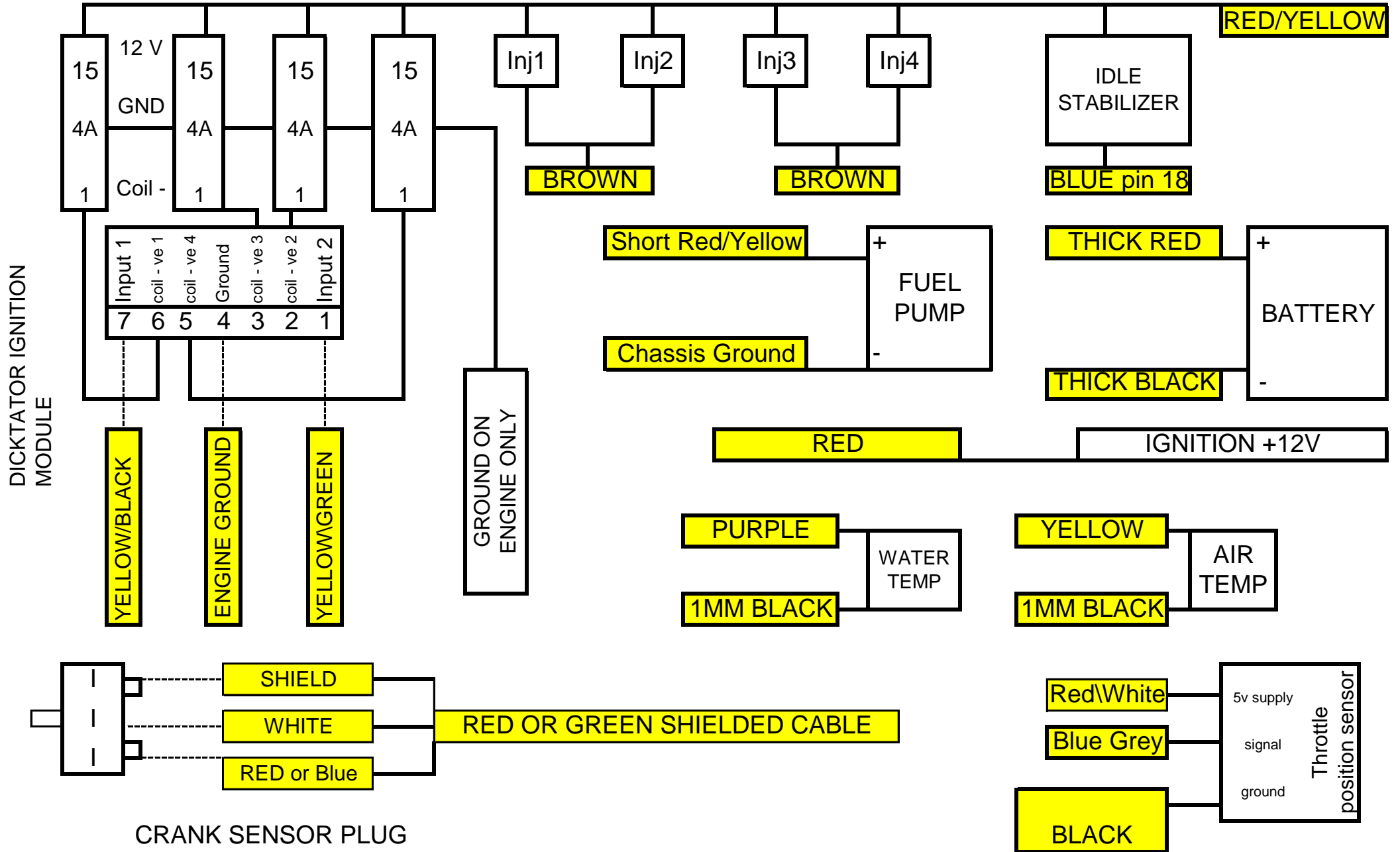


VW MP9



If the harness has a shielded input cable the Green wire is now Blue

VW VR6



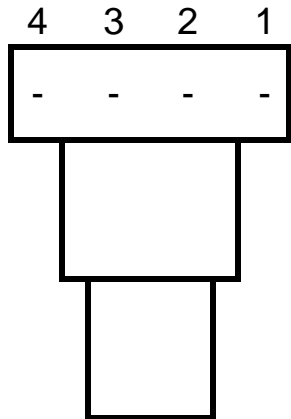
COIL CONNECTION 15 AND 4A WILL NORMALLY BE JOINED TOGETHER IN THE FACTORY HARNESS

VW 20 V ENGINE

THERE ARE 3 DIFFERENT TYPES OF 20 VALVE COIL SETUPS

ABOVE IS ENGINE WITH 3 PIN COIL ON PLUG UNITS

ON 4 PIN COIL ON PLUG ENGINES THE COIL HAS A BUILT IN MODULE

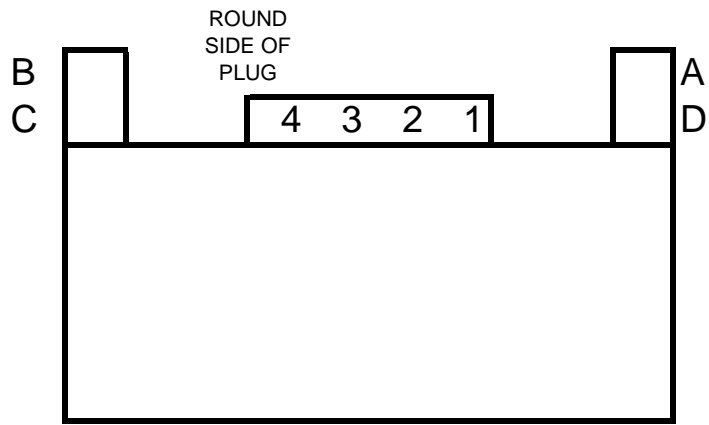


LOOKING IN TO THE COIL PLUG

- 1 GROUND
- 2 INPUT
- 3 GROUND
- 4 12V SUPPLY

The plug is also marked 1 to 4

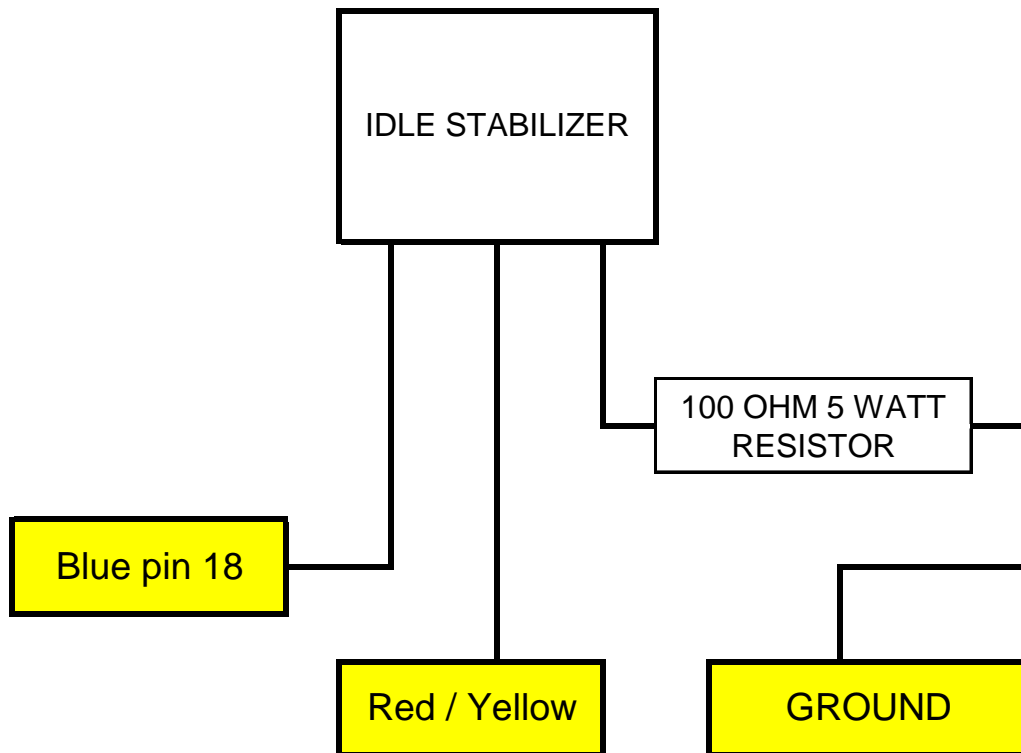
# VW BEETLE COIL PACK



- |   |              |               |
|---|--------------|---------------|
| 1 | ORANGE RED   | A AND D INPUT |
| 2 | LIGHT BLUE   | 12 V SUPPLY   |
| 3 | GREEN BLACK  | B AND C INPUT |
| 4 | ORANGE BLACK | ENGINE GROUND |

COLOURS MAY BE WRONG TAKEN FROM SUSPECT PLUG

# DICKTATOR 3 WIRE IDLE STABILIZER



Connect Red\Yellow normally to the center connection.

Start engine

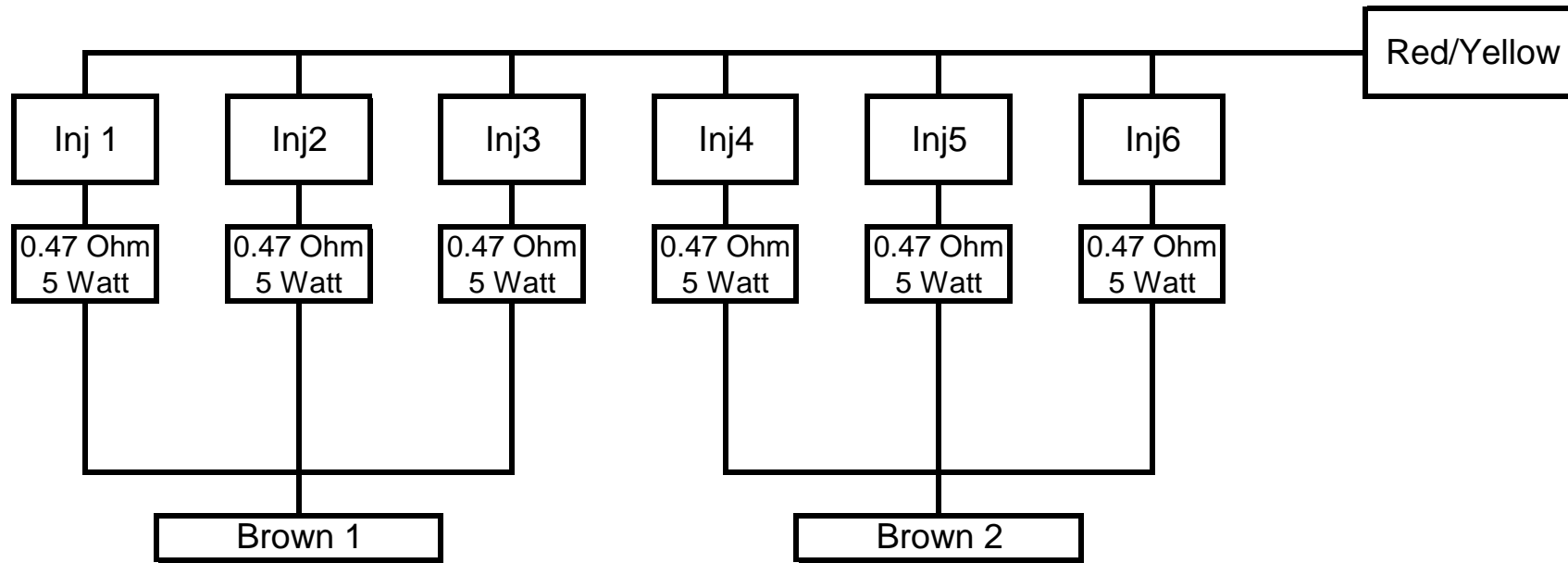
Connect on wire then the other to ground temporarily

The wire that makes the idle go up is connected to Blue idle control wire.

The other wire is connected to ground through a 100 ohm 5 watt resistor



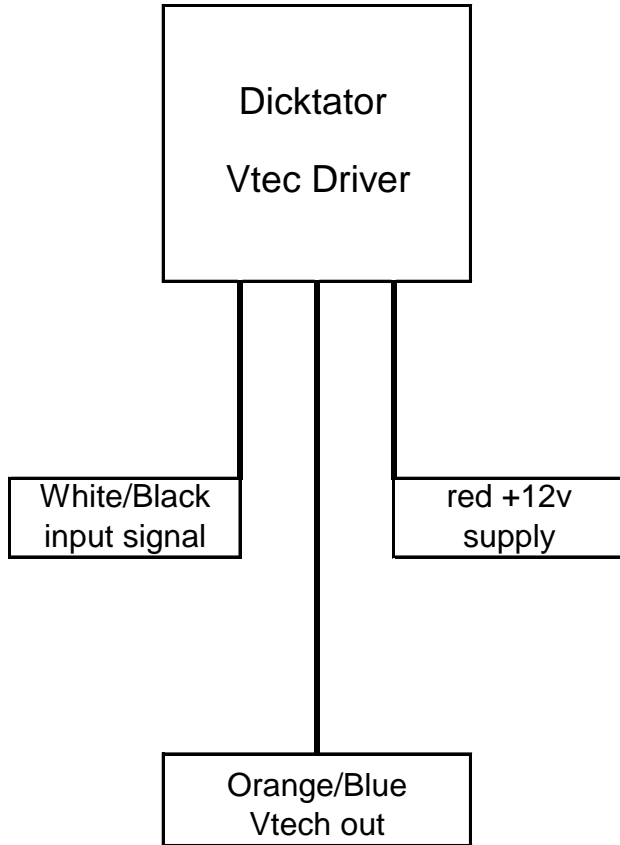
## Low Impedance Injectors



Low Impedance      2 to 3 ohm's

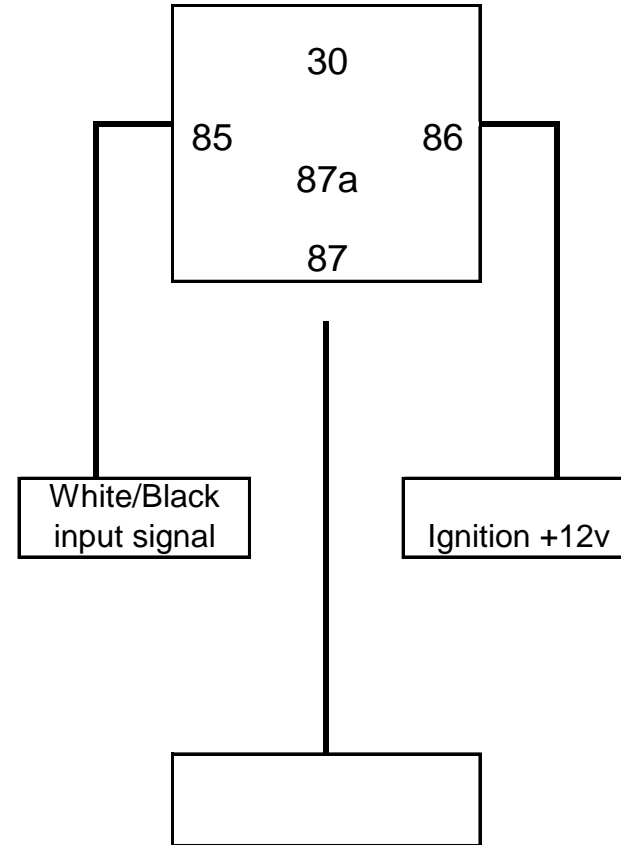
High Impedance    10 to 16 ohm's

This inverts signal and supply's 12 to the solenoid



When the White/Black switches to ground, The Orange/Blue supplies +12v for

Using a relay to switch Positive or negative

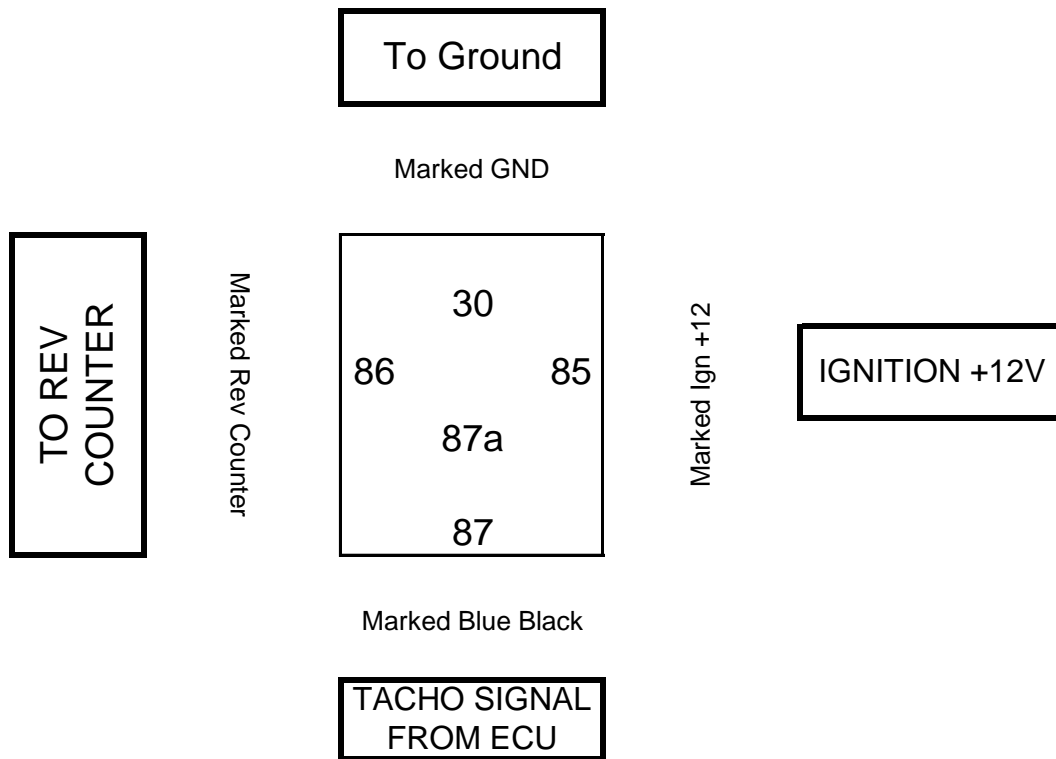


Using 30 and 87a will invert signal

Using 30 and 87 will not invert signal

**V TEC DRIVER**

# Dicktator Rev Counter Booster/Adapter



AS SEEN FROM ABOVE

TERMINAL 85 AND 86 MAY BE  
REVERSED ON SOME RELAYS USE  
THE MARKING ON THE COVER

## There are 2 types of rev counter

1 ) Rev counter connects to Ecu with square wave trigger

Dicktator will drive these rev counters directly.

2 ) Rev counter connects to coil negative

Dicktator will need a tacho adapter to make this type of rev counter work

This is normally needed when you have replaced the stock engine with a wasted spark engine

# DICKTATOR ENGINE MANAGEMENT

Laptops with a serial port (9 pin connector) will use a std straight 9 pin male to 9 pin female cable

Or if you want to make one up

9 Pin male

9 Pin female

Pin 2

connects to

Pin 2

Pin 3

connects to

Pin 3

Pin 5

connects to

Pin 5

Later model laptops that do not have serial ( 9 pin connector) will have to use a USB to Serial adapter available from most computer shops

The adapter will come with software that will have to be installed first  
This creates a virtual Serial port.

You can use Windows hyper terminal to test your cable and computer.

Go to Programs ,Accessories , Communications , Hyper terminal

Make a new connection called Cable test ? Click ok

Select your com port click ok

Set settings to 9600 8 None 1 None Click ok

Connect pins 2 and 3 on your serial cable.

If the cable is good anything you type on the keyboard will appear on the screen.

If nothing happens the com port number is wrong or other setting on the computer are incorrect.



- A – Engine Ground
- B – ECU Ground
- C – Trigger
- D - +12V

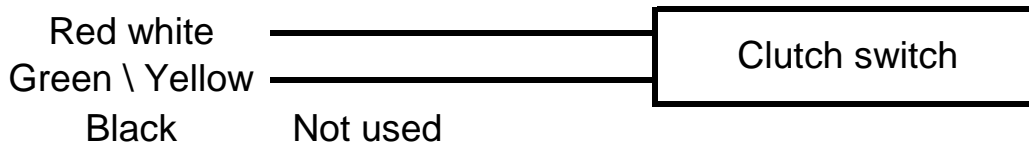
# LAUNCH CONTROL

Launch control is enabled by selecting launch control on main setup in pot \aux input

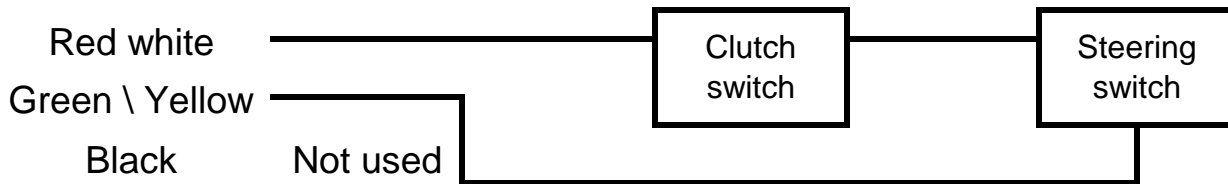
Launch limits are set on output page

Launch rpm	50% of main rev limit to 20 000 rpm
Timing retard	0 to 45 degrees
Fuel enrichment	0 to 30 percent

Arm switch must be connected to pot plug



Two switches can be used in series to have a clutch switch and a dash or steering arm switch



Switches must be normally open close to activate

Launch control operation can be verified on data page

Version 16 launch control will only be active on or after the 5th rpm load site.  
750 rpm spacing will be 2500 rpm