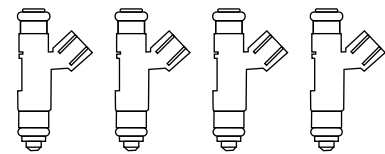
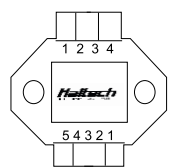


## ELITE 1500 WIRING DIAGRAM

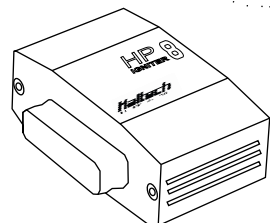
### EXAMPLE CONNECTIONS



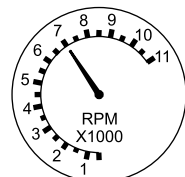
INJECTORS



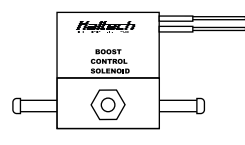
IGNITION MODULE



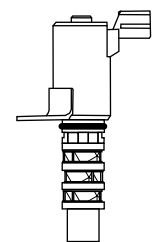
HALTECH HPI



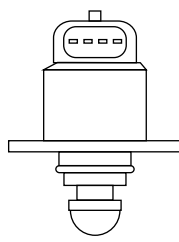
TACHOMETER



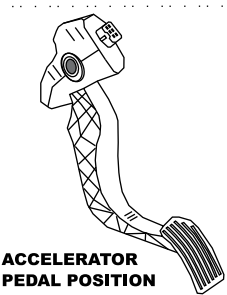
BOOST CONTROL SOLENOID



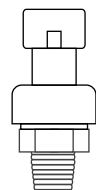
VTEC SOLENOIDS



IDLE MOTOR

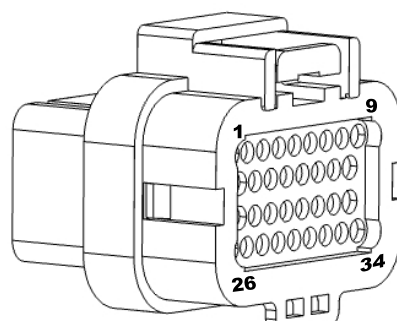
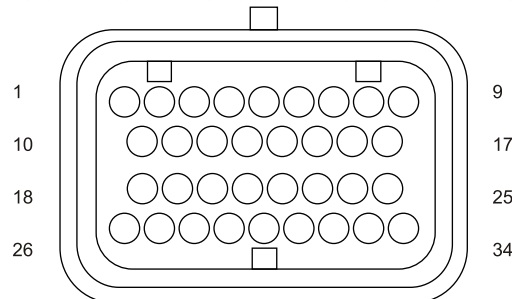


ACCELERATOR PEDAL POSITION SENSOR



PRESSURE SENSORS

### LOOKING INTO CONNECTOR ON ECU



**INJECTORS**

4 X INJECTOR DRIVERS

CURRENT CONTROLLED

- 0A - 8A PEAK CURRENT
- 0A - 2A HOLD CURRENT

ALL SPARE INJECTOR OUTPUTS CAN BE USED AS GENERIC DPO'S WITH 1A MAX OUTPUT

OUTPUT: GROUND

**IGNITION**

4 X IGNITION DRIVERS

- 1A MAX CURRENT
- OVERCURRENT PROTECTED

ALL SPARE IGNITION OUTPUTS CAN BE USED AS GENERIC DPO'S WITH 1A MAX OUTPUT

OUTPUT: GROUND

**DPO**

6 X DIGITAL PULSED OUTPUTS

- LOW SIDE DRIVE
- 1A MAX CURRENT
- OVERCURRENT PROTECTED

OUTPUT: GROUND

**STEPPER 1 / DPO**

CAN BE CONFIGURED AS

- 1 X STEPPER MOTOR DRIVER PAIRED P1 & P2 / P3 & P4
- 4 X HI/LOW SIDE DRIVERS

**SPECIFICATIONS**

- 1A MAX CURRENT DRIVE
- 1A MAX CURRENT SINK
- OVERCURRENT PROTECTED

OUTPUT: BATT V OR GROUND

**AVI**

10 X ANALOGUE VOLTAGE INPUTS

- SWITCHABLE 1K PULL-UP
- 20V MAX INPUT VOLTAGE
- 1.5KHz MAX INPUT FREQUENCY
- INPUT: 0V - 5V (20V MAXIMUM)

**+5V SENSOR SUPPLY**

- 100mA MAX OUTPUT CURRENT

**+8V SENSOR SUPPLY**

- 1A MAX OUTPUT CURRENT

[L] INJECTOR #1

[L/B] INJECTOR #2

[L/BR] INJECTOR #3

[L/R] INJECTOR #4

[Y/B] IGNITION #1

[Y/R] IGNITION #2

[Y/O] IGNITION #3

[Y/G] IGNITION #4

[V/B] DPO 1

[V/BR] DPO 2

[V/R] DPO 3

[G] STEPPER 1 P1 / DPO

[G/B] STEPPER 1 P2 / DPO

[G/BR] STEPPER 1 P3 / DPO

[G/R] STEPPER 1 P4 / DPO

[O/Y] AVI 4

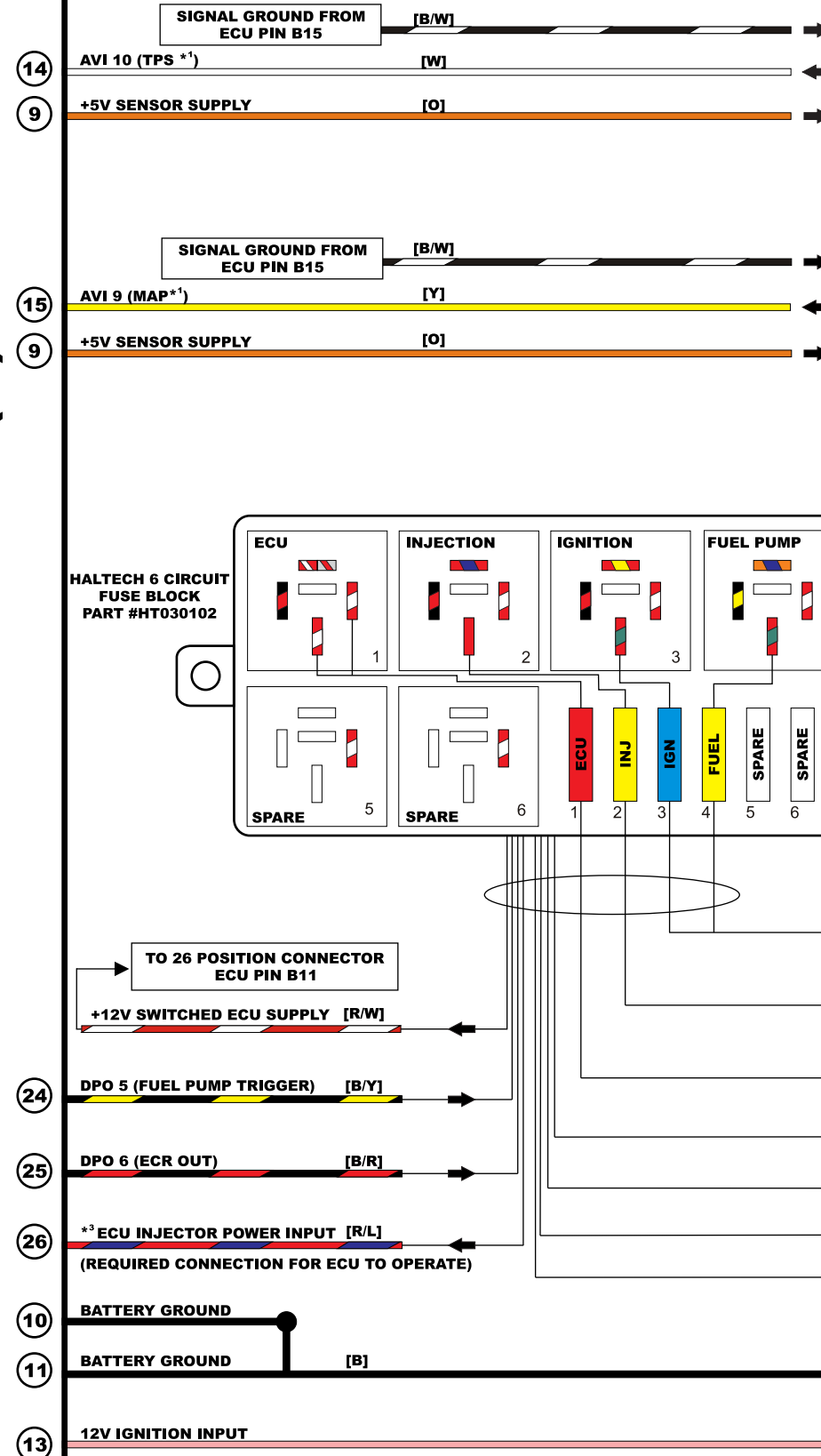
[O/R] AVI 3

[O/B] AVI 2

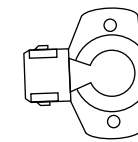
[O] +5V SENSOR SUPPLY

[O/W] +8V SENSOR SUPPLY

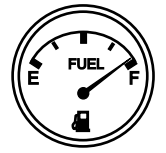
## 34 PIN CONNECTOR (A)



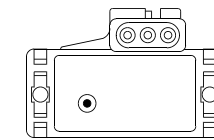
### EXAMPLE CONNECTIONS



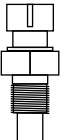
THROTTLE POSITION SENSORS



FUEL LEVEL SENSOR



MANIFOLD ABSOLUTE PRESSURE SENSOR



TEMPERATURE SENSORS

**FUSE BLOCK NOTES:**

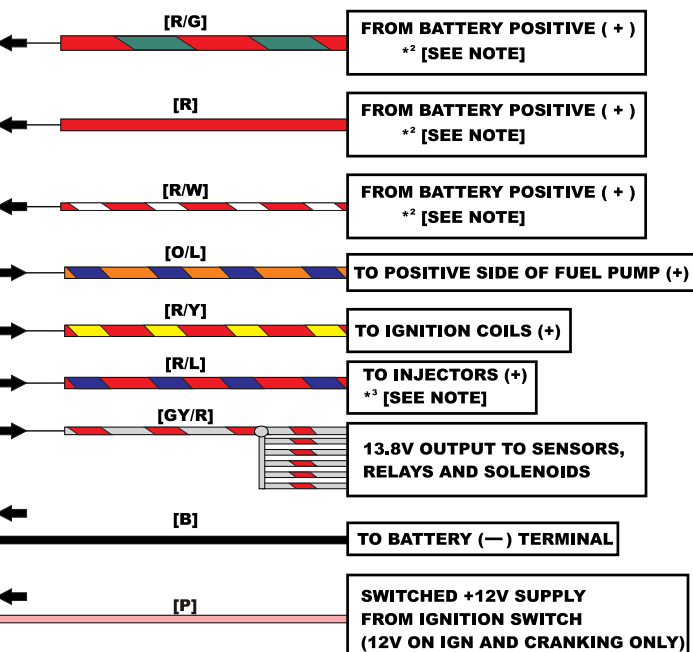
15A CONTINUOUS, 20A PEAK  
MAX CURRENT RATING PER CIRCUIT

**FUSE ALLOCATIONS**

FUSE 1: 10A - ECU  
FUSE 2: 20A - INJECTION  
FUSE 3: 15A - IGNITION  
FUSE 4: 20A - FUEL PUMP  
FUSE 5: SPARE  
FUSE 6: SPARE

**RELAY PIN LAYOUT & SCHEMATIC**

SUITS 4 OR 5 PIN  
STANDARD BOSCH RELAY



**LEGEND - WIRE COLOUR**

B = BLACK BR = BROWN G = GREEN GY = GREY L = BLUE  
O = ORANGE P = PINK R = RED V = VIOLET Y = YELLOW W = WHITE  
WHEN TWO COLOURS ARE USED IN A WIRE BY THE ALPHABETICAL CODE,  
THE FIRST LETTER INDICATES THE BASIC WIRE COLOUR,  
THE SECOND COLOUR INDICATES THE COLOUR OF THE STRIPE.

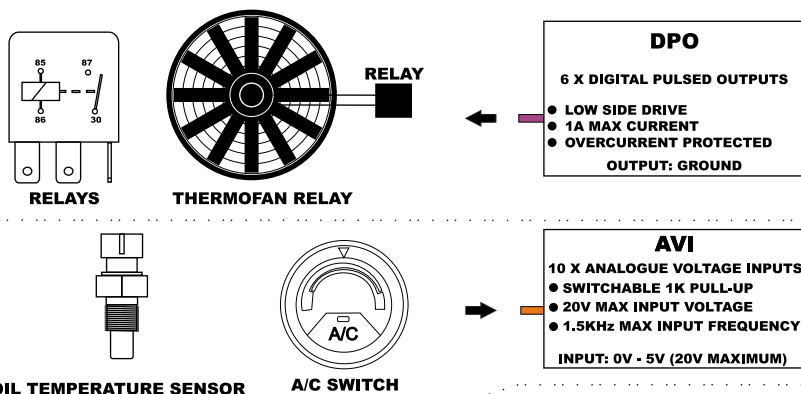
**NOTES:**

\*1 RECOMMENDED FUNCTION ALLOCATION, BUT NOT LIMITED TO

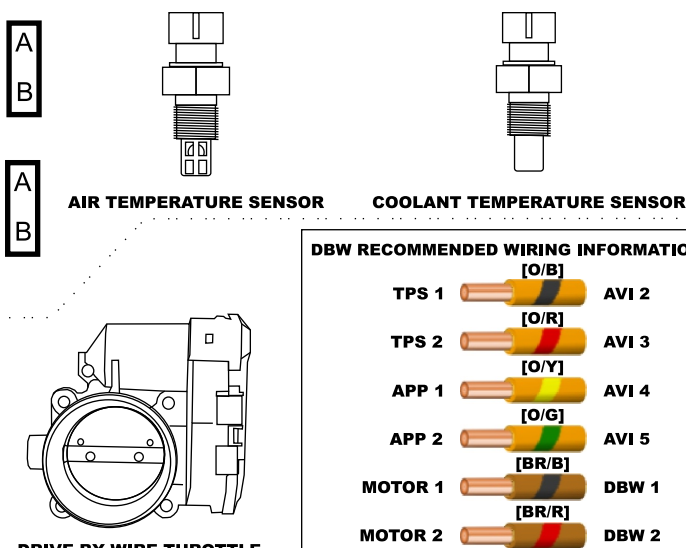
\*2 CAN USE 75A CIRCUIT BREAKER

\*3 DBW AND STEPPER SUPPLY, CURRENT RETURN PATH

## EXAMPLE CONNECTIONS



## EXAMPLE CONNECTIONS



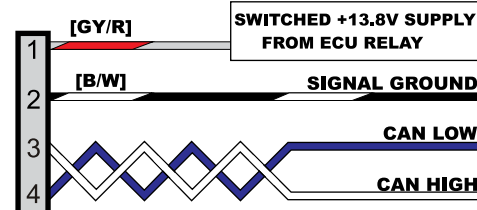
## CRANK (TRIGGER) INPUT

+12V SWITCHED  
SIGNAL GROUND  
CRANK (TRIGGER) (+)  
CRANK (TRIGGER) (-)

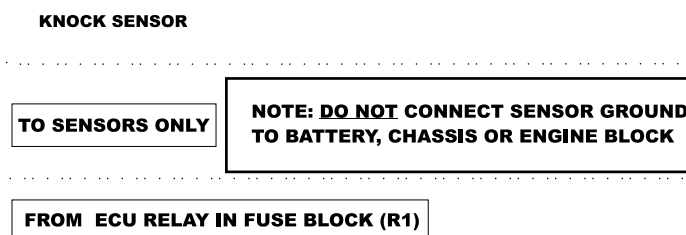
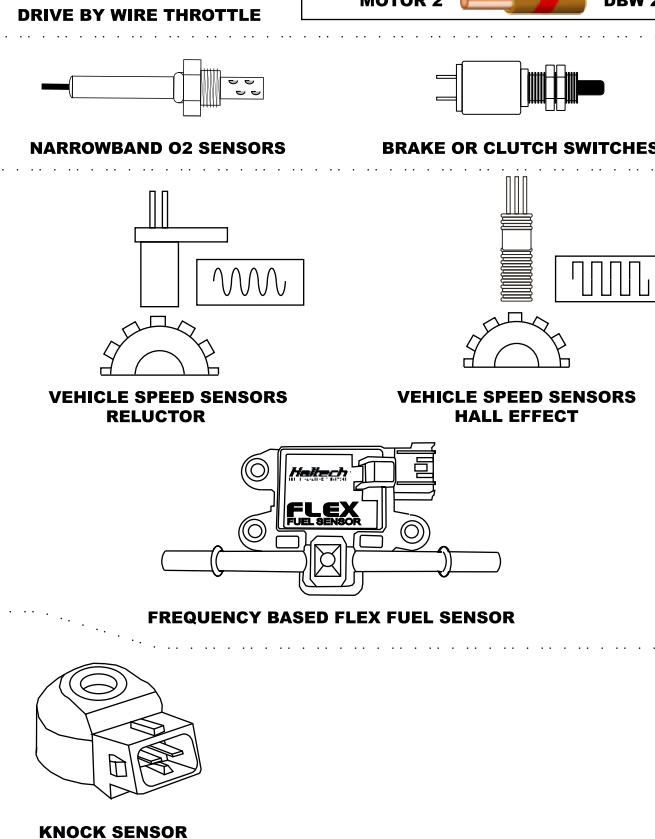
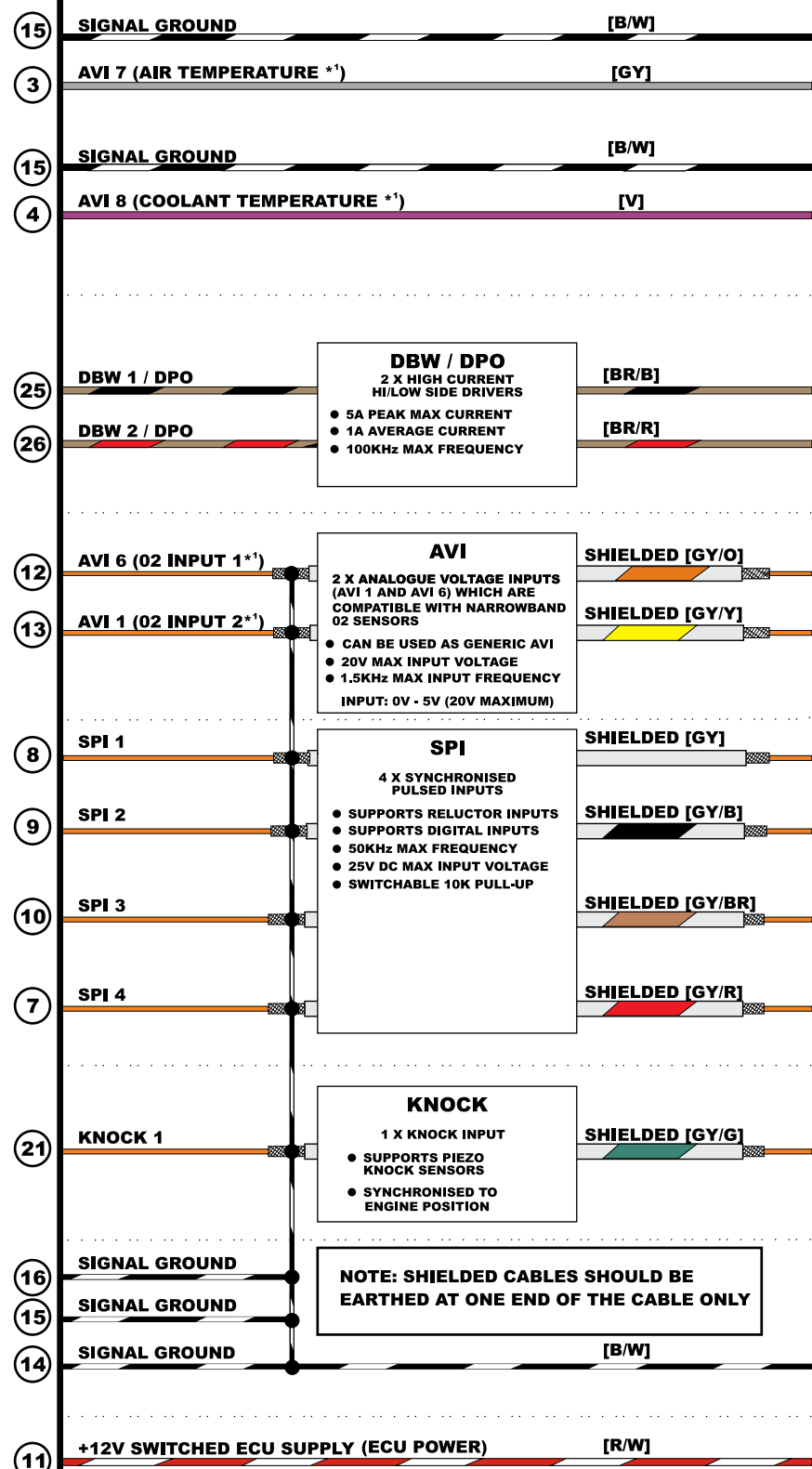
## CAM (HOME) INPUT

+12V SWITCHED  
SIGNAL GROUND  
CAM (HOME) (+)  
CAM (HOME) (-)

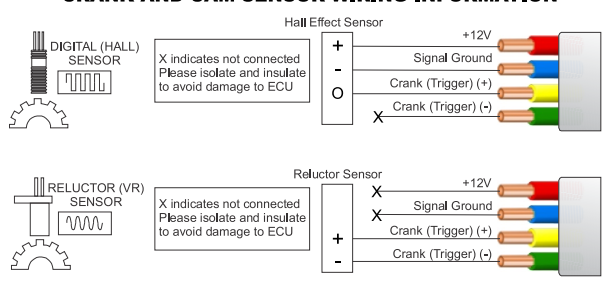
## MAIN HARNESS CAN CONNECTOR (DTM04-4P)



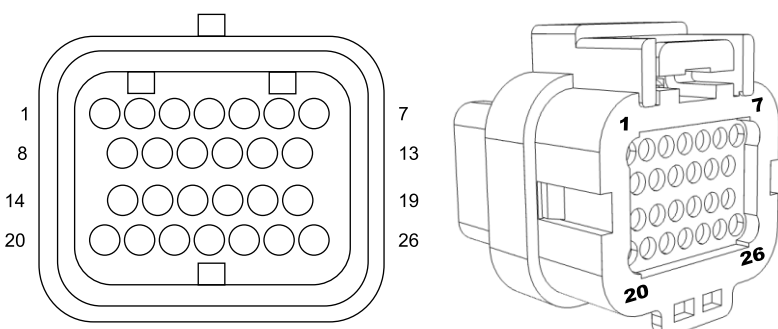
## 26 PIN CONNECTOR (B)



## CRANK AND CAM SENSOR WIRING INFORMATION



## LOOKING INTO CONNECTOR ON ECU



## CAN (ISO 11898)

SUPPORTS SPEEDS UP TO 1Mbits/s

- HALTECH BUS**
  - SUPPORTS ALL HALTECH EXPANSION PRODUCTS
- VEHICLE BUS**
  - SELECTABLE PRECONFIGURED VEHICLE CAN INTERFACE
  - OBDII COMPLIANT

## LEGEND - WIRE COLOUR

B = BLACK BR = BROWN G = GREEN GY = GREY L = BLUE  
O = ORANGE P = PINK R = RED V = VIOLET Y = YELLOW W = WHITE  
WHEN TWO COLOURS ARE USED IN A WIRE BY THE ALPHABETICAL CODE, THE FIRST LETTER INDICATES THE BASIC WIRE COLOUR, THE SECOND COLOUR INDICATES THE COLOUR OF THE STRIPE.

## NOTES:

- \*1 RECOMMENDED FUNCTION ALLOCATION, BUT NOT LIMITED TO
- \*2 CAN USE 75A CIRCUIT BREAKER
- \*3 DBW AND STEPPER SUPPLY, CURRENT RETURN PATH