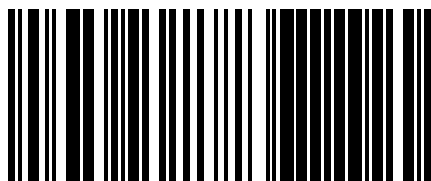




**UNIVERSAL V8
TERMINATED ENGINE HARNESS
FOR NEXUS R5 VCU**

QUICK START GUIDE

HT-186200



9356450011617

HARNES OVERVIEW

Congratulations on purchasing a Haltech Universal V8 Terminated Engine Harness.

This Terminated Engine Harness connects directly to the Nexus R5 VCU and supports most popular big block and small block V8 engines from GM, Ford and Chrysler.

In conjunction with a Haltech Nexus R5 VCU this harness provides virtually limitless performance and tuning options for your V8 powered vehicle.

This Quick Start Guide will walk you through the installation of this terminated engine harness along with the options of adding optional sub-harnesses, sensors, actuators and other devices.

WARNING!

This harness DOES NOT ground your engine. Make sure your engine is sufficiently grounded. A ground/earthing strap should be used to ground your engine to the battery. Keep all wires away from the exhaust manifold.

Harness Features:

- Haltech Nexus R5 VCU connectors
- Terminated engine bay and in-cabin connections
- Connection to Haltech CAN devices (eg dash displays, keypads, etc.)
- Connection to sensors (eg crank, cam, MAP, temperature, pressure, position, speed, flex fuel)
- Dual Wideband Lambda sensor allocation
- Breakout connection to 8 ignition coils
- Breakout connection to 8 primary injectors, 8 secondary injectors and 2 tertiary injectors
- Breakout connection for alternator control
- Starter solenoid control
- Dual boost control solenoid allocation
- Breakout connection for thermofan and fuel pump control
- Breakout connection for transmission control
- Spare inputs and outputs
- Spare high current 8 Amp PDM outputs
- Spare HBO (Half Bridge Output)

What's in the bag?

- Terminated engine harness (HT-186200)
- Pack of DTM/DT connector and pin set to terminate to sensors, solenoids and additional inputs and outputs
- 2 x DTP-2 connectors with pre-terminated 12AWG wires to use for fuel pump and thermofan
- 1 x DT-8 connector with pre-terminated 18AWG wires
- Tertiary injector sub-harness (Injector 17/18)
- MSD crank breakout sub-harness

Available Sub-harnesses (sold separately)

Injector breakouts

- HT-186000 V8 Primary Injector EV1
- HT-186001 V8 Secondary Injector EV1
- HT-186002 V8 Primary Injector USCAR
- HT-186003 V8 Secondary Injector USCAR

Ignition breakouts

- HT-186060 Nexus V8 IGN-1A GM/Chrysler harness
- HT-186061 Nexus V8 IGN-1A Ford harness

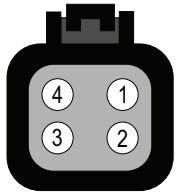
Alternator breakouts

- HT-186123 GM LS 2-Pin Bosch alternator harness
- HT-186124 GM LS 4-Pin Delco alternator harness
- HT-186125 GM LS 2-Pin Yazaki alternator harness



HARNES PINOUT DIAGRAM

Wire-side view



CONNECTOR A

Pin	Function	Colour
A1	Injector Pri : 1	Blue
A2	Injector Pri : 2	Blue/Black
A3	Injector Pri : 3	Blue/Brown
A4	Injector Pri : 4	Blue/Red
A5	Injector Pri : 5	Blue/Org
A6	Injector Pri : 6	Blue/Yellow
A7	Injector Pri : 7	Blue/Green
A8	Injector Pri : 8	Blue/Violet
A9	Cabin A3 (DPO1)	Violet/Black
A10	Power Ground	Black
A11	Power Ground	Black
A12	Cabin A4 (DPO2)	Violet/Brown
A13	Ign Switch Pin 1	Pink
A14	Cabin A5 (DPO3)	Violet/Red
A15	Boost Up (DPO4)	Violet/Org
A16	Boost Dwn (DPO5)	Violet/Yellow
A17	Trans I/O A1 (DPO6)	Violet/Green
A18	Cabin B5 (DPO7)	Black/Yellow
A19	HBO 1	Brown/Black
A20	HBO 2	Brown/Red
A21	HBO 3	Brown/Green
A22	HBO 4	Brown/Pink
A23	CAN1 H	White
A24	CAN1 L	Blue
A25	Cabin B6 (DPO8)	Violet
A26	Ign Switch Pin 2	Red
A27	Ignition 1	Yellow/Black
A28	Ignition 2	Yellow/Red
A29	Ignition 3	Yellow/Org
A30	Ignition 4	Yellow/Green
A31	Ignition 5	Yellow/Brown
A32	Ignition 6	Yellow/Blue
A33	Ignition 7	Yellow/Violet
A34	Ignition 8	Yellow/Gray

CONNECTOR B

Pin	Function	Colour
B1	Injector Sec : 1	L.Blue
B2	Injector Sec : 2	L.Blue/Black
B3	Injector Sec : 3	L.Blue/Brown
B4	Injector Sec : 4	L.Blue/Red
B5	Injector Sec : 5	L.Blue/Orange
B6	Injector Sec : 6	L.Blue/Yellow
B7	Injector Sec : 7	L.Blue/Green
B8	Injector Sec : 8	L.Blue/Violet
B9	Cabin B1 (SPI 7)	Gray/Green
B10	Cabin B2 (SPI 8)	Gray/Violet
B11	Trans I/O B9 (SPI 9)	Gray/Blue
B12	Trans I/O B10 (SPI 10)	Gray/White
B13	Unused	
B14	Injector 17	L.Blue/Gray
B15	Trans I/O A2 (IGN9)	L.Yellow/Black
B16	Trans I/O A3 (IGN10)	L.Yellow/Red
B17	Trans I/O A4 (IGN11)	L.Yellow/Orange
B18	Trans I/O A5 (IGN12)	L.Yellow/Green
B19	Unused	
B20	Injector 18	L.Blue/Blue
B21	Wideband 2 : 1	Gray
B22	Wideband 2 : 2	Yellow
B23	Wideband 2 : 3	Red
B24	Wideband 2 : 4	Black
B25	Wideband 2 : 5	White
B26	Wideband 2 : 6	Green

CONNECTOR C

Pin	Function	Colour
C1	Trigger +	Yellow
C2	Trigger -	Green
C3	Home +	Yellow
C4	Home -	Green
C5	Vehicle Spd (SPI 1)	Gray/Brown
C6	Spare SPI (SPI 2)	Gray/Red
C7	Spare SPI (SPI 3)	Gray/Org
C8	Flex Fuel (SPI 4)	Gray/Yellow
C9	8V sensor power	Org/White
C10	Coolant Temp	White
C11	Air Temp	White/Yellow
C12	Fuel Press	White/Gray
C13	Oil Press	White/Violet
C14	Oil Temp	White/Green
C15	TPS	White/Orange
C16	Spare AVI (AVI 7)	White/Black
C17	Spare AVI (AVI 8)	White/Brown
C18	Spare AVI (AVI 9)	White/Red
C19	Driveshft Spd (SPI 5)	Gray/Pink
C20	Cabin A6 (SPI 6)	Gray/L.Green
C21	CAN2 H	White
C22	CAN2 L	Blue
C23	Unused	
C24	Unused	
C25	5V sensor power	Orange
C26	Signal Ground A	Black/White
C27	Spare AVI (AVI 10)	L.Green
C28	MAP	L.Green/Black
C29	Wideband 1 : 1	Gray
C30	Wideband 1 : 2	Yellow
C31	Wideband 1 : 3	Red
C32	Wideband 1 : 4	Black
C33	Wideband 1 : 5	White
C34	Wideband 1 : 6	Green

CONNECTOR D

Pin	Function	Colour
D1	12V CAN power	Pink/Red
D2	12V Sensor power	Pink/Brown
D3	Starter output	Pink/Black
D4	Trans I/O A7 (HCO 4)	Pink/Org
D5	Trans I/O A8 (HCO 5)	Pink/Yellow
D6	PDM Spare 1(HCO6)	Pink/Green
D7	PDM Spare 2(HCO7)	Pink/Violet
D8	PDM Spare 3(HCO8)	Pink/Blue
D9	Signal Ground B	Black/Gray
D10	Spare Press(AVI 12)	L.Green/Brown
D11	Spare Press (AVI 13)	L.Green/Red
D12	Spare AVI (AVI 14)	L.Green/Org
D13	PDM Spare4 (HCO9)	Pink/Gray
D14	PDM Spare5(HCO10)	Pink/White
D15	5V sensor power	Org/Red
D16	Spare AVI (AVI 15)	L.Green/Yellow
D17	Trans I/O B1 (AVI 16)	L.Green/Green
D18	Trans I/OB2 (AVI 17)	L.Green/Violet
D19	PDM Spare6(HCO11)	Pink/L.Green
D20	PDM Spare7(HCO12)	Pink/L.Blue
D21	Trans I/O B3 (AVI 18)	Green/Black
D22	Trans I/O B4 (AVI 19)	Green/Brown
D23	Trans I/O B5 (AVI 20)	Green/Red
D24	Trans I/O B6 (AVI 21)	Green/Org
D25	Trans I/O B7 (AVI 22)	Green/Yellow
D26	Trans I/O B8 (AVI 23)	Green/Violet

CONNECTOR E

Pin	Function	Colour
E1	Injector Power	Red/Blue
E2	Ignition Coil Power	Red/Yellow
E3	Fuel Pump	Red/Orange
E4	Thermofan	Red/Green

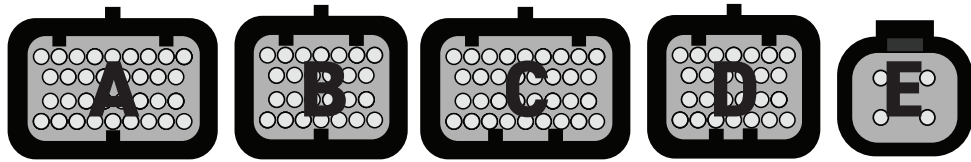
NEXUS R5 CONNECTIONS

Nexus R5 VCU Connection

With the unit powered off, connect the 5 ECU plugs on the main harness to the Nexus R5:

- Connector A: 34-pin, Keyway Type 1
- Connector B: 26-pin, Keyway Type 1
- Connector C: 34-pin, Keyway Type 2
- Connector D: 26-pin, Keyway Type 3
- Connector E: 4-pin DTP

Looking into connector on ECU



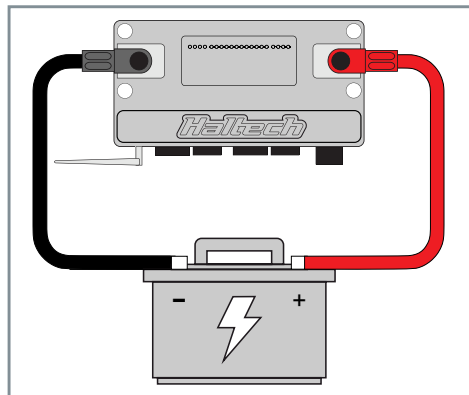
Battery Positive and Battery Negative (Nexus R5 VCU)

The battery positive and battery negative must be connected to the Nexus R5 VCU at all times.

Connect the Positive (+) battery terminal to the positive terminal (RED) on the Nexus R5 using the RED SurLok connector provided and a RED 1AWG battery cable (sold separately).

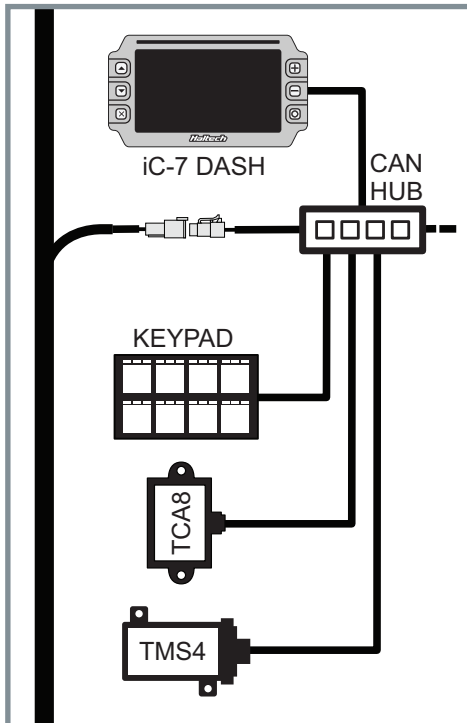
Connect the Negative (-) battery terminal to the Negative terminal (BLACK) on the Nexus R5 using the BLACK SurLok connector provided and a BLACK 1AWG battery cable (sold separately).

Note: There is an internal 32VDC 200A positive inline fuse inside the VCU for overcurrent protection (this fuse is not user-serviceable).



Haltech CAN connection (Label: CAN 1 and CAN 2)

This harness is fitted with three DTM-4 plugs used to connect Haltech CAN devices, both in-cabin and in the engine bay (displays, keypads etc).

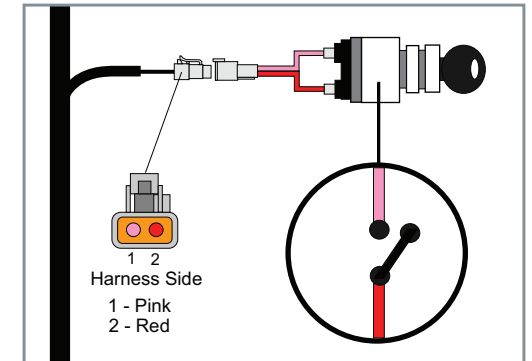


Ignition Switch

(Label: Ignition Switch)

An ignition switch must be wired in to turn the Nexus R5 unit on. This harness includes a terminated ignition switch 2-pin plug for this purpose.

Use the pink and red wires to turn the ignition on and off.



Starter Motor Control

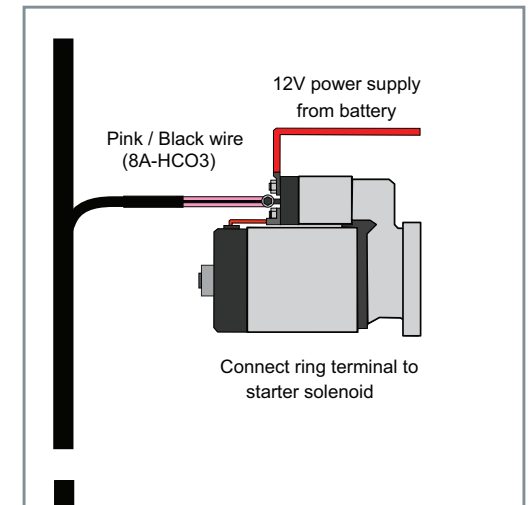
(Label: Starter Sol)

The Nexus R5 has a dedicated 6mm ring terminal to control a starter motor.

This ring terminal is connected to a High Current Output (8A-HCO3) from the ECU and will supply 12V to the starter motor solenoid when starting conditions are met.

An engine start button can be set up using a Haltech CAN Keypad, or by wiring a physical switch to an ECU input.

NOTE: Starter motors draw large amounts of current and MUST be wired directly to the battery using a properly sized battery cable.



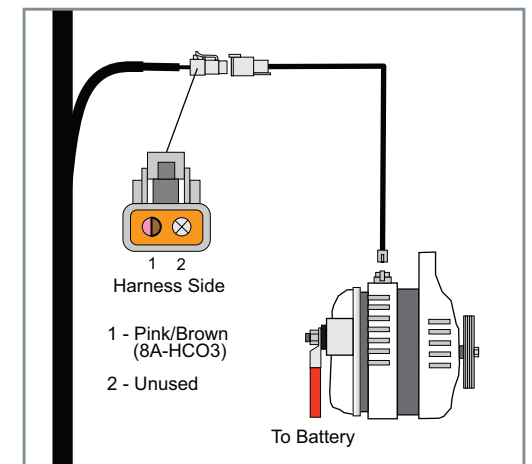
Alternator Control

(Label: Alternator Breakout)

This harness is fitted with a breakout connector that provides switched 12V power to the alternator.

The breakout connector plugs into a range of Haltech alternator sub-harnesses (sold separately) to excite the alternator.

See page 3 or visit the Haltech website for a range of sub-harnesses to fit your application.



INJECTOR / IGNITION CONNECTIONS

Fuel Injectors

Label: Injectors Pri (DTM-12 Grey plug)

Label: Injectors Sec (DTM-12 Black plug)

Label: Injectors 17/18 (DTM-4 Grey plug)

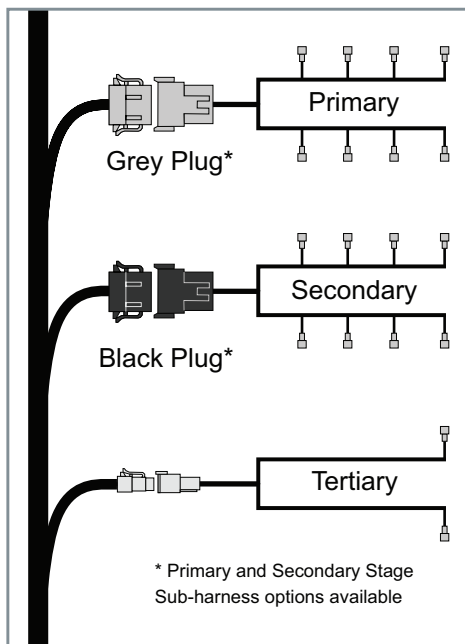
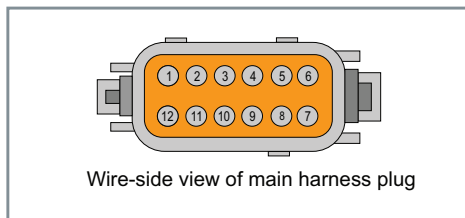
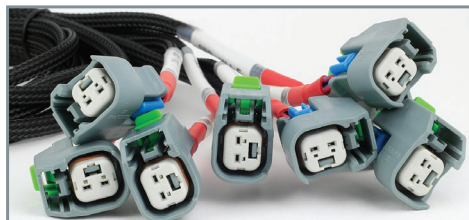
The Haltech Universal V8 Terminated Engine Harness allocates fuel injection into primary, secondary and tertiary stage breakouts.

The GREY 12-pin DTM connector is the primary injector stage breakout (Injector outputs 1 - 8 and 12V injector power). Sub-harness sold separately.

The BLACK 12-pin DTM connector is the secondary injector stage breakout (Injector outputs 9 - 16 and 12V injector power). Sub-harness sold separately.

The GREY 4-pin DTM connector "Inj 17/18" has two injector outputs for the tertiary injector stage and is terminated for EV1 style injectors.

See page 3 or visit the Haltech website for a range of sub-harnesses to fit your application.



PRIMARY / SECONDARY INJECTOR STAGE BREAKOUT

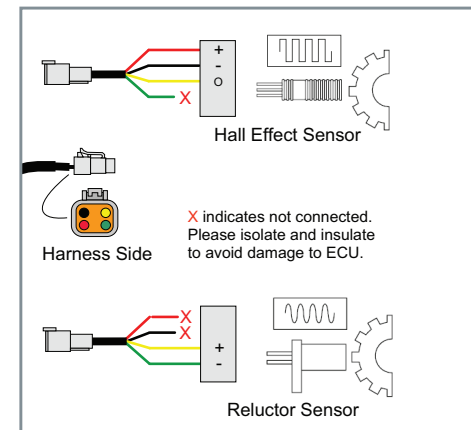
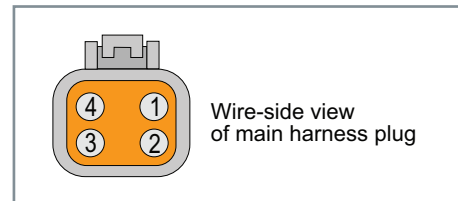
PIN	PRIMARY STAGE (GREY PLUG)		SECONDARY STAGE (BLACK PLUG)	
	Function	Colour	Function	Colour
1	Primary Injector 1	Blue	Secondary Injector 1	Light Blue
2	Primary Injector 2	Blue/Black	Secondary Injector 2	Light Blue/Black
3	Primary Injector 3	Blue/Brown	Secondary Injector 3	Light Blue/Brown
4	Primary Injector 4	Blue/Red	Secondary Injector 4	Light Blue/Red
5	Primary Injector 5	Blue/Orange	Secondary Injector 5	Light Blue/Orange
6	Primary Injector 6	Blue/Yellow	Secondary Injector 6	Light Blue/Yellow
7	Primary Injector 7	Blue/Green	Secondary Injector 7	Light Blue/Green
8	Primary Injector 8	Blue/Violet	Secondary Injector 8	Light Blue/Violet
9	Injector 12V	Red/Blue	Injector 12V	Red/Blue
10	Injector 12V	Red/Blue	Injector 12V	Red/Blue
11	Injector 12V	Red/Blue	Injector 12V	Red/Blue
12	Injector 12V	Red/Blue	Injector 12V	Red/Blue

Crankshaft (Trigger) and Camshaft (Home) Position Sensors

(Label: Trigger, Home)

Use these plugs to wire in your Hall-Effect or Reluctor Crank and Cam Position Sensors.

For 2-pin MSD crank sensors use a sub-harness included with this kit.



CRANK (TRIGGER) AND CAM (HOME) PLUG PINOUT WIRING

PIN	FUNCTION	COLOUR	RELUCTOR WIRING	HALL EFFECT WIRING
1	Trigger/Home +	Yellow	Reluctor +	Signal
2	Trigger/Home -	Green	Reluctor -	Unused
3	Sensor Power	Red	Unused	Sensor Power
4	Sensor Ground	Black	Unused	Sensor Ground

Ignition Outputs, Ignition Coil Power

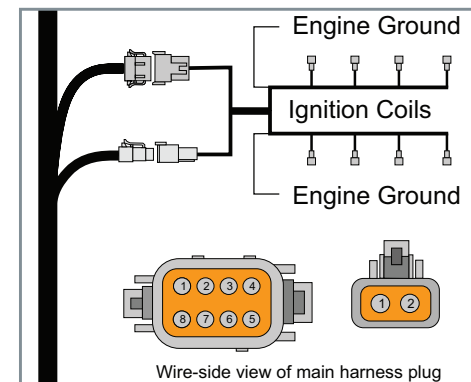
(Label: Ignition and Ignition Power)

This harness includes breakout connectors to provide power for up to 8 ignition coils.

Optional ignition coil sub-harness are available. See page 3 or visit www.haltech.com for details.

NOTE: To avoid damage to the ECU, do not connect the ignition output wires directly to the ignition coils unless the coils have internal ignitors.

In installations with ignition coils without internal ignitors, an external ignitor must be used.



IGNITION COIL BREAKOUT

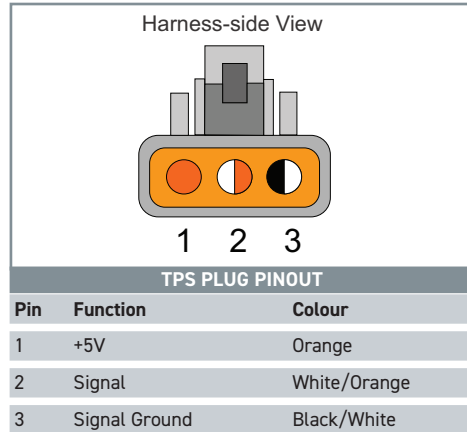
PIN	IGNITION OUTPUT PLUG		Pin	IGNITION POWER PLUG	
	Function	Colour		Function	Colour
1	Ignition 1	Yellow/Black	1	Ignition 12V	Red/Yellow
2	Ignition 2	Yellow/Red	2	Ignition 12V	Red/Yellow
3	Ignition 3	Yellow/Orange			
4	Ignition 4	Yellow/Green			
5	Ignition 5	Yellow/Brown			
6	Ignition 6	Yellow/Blue			
7	Ignition 7	Yellow/Violet			
8	Ignition 8	Yellow/Gray			

SENSOR CONNECTIONS

Throttle Position Sensor (TPS)

(Label: TPS AVI-6)

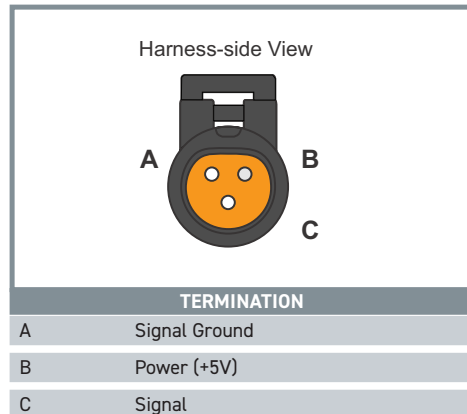
Use this connector to wire the throttle position sensor.



Manifold Absolute Pressure (MAP), Oil Pressure, Fuel Pressure, and Spare Pressure Sensors

(Label: MAP)
 (Label: Oil Press)
 (Label: Fuel Press)
 (Label: Spare Press AVI-12)
 (Label: Spare Press AVI-13)

Use these connectors to connect MAP and fluid pressure sensors (3-pin Delphi plug).



Coolant Temp, Intake Air Temp, and Oil Temp Sensor (CTS)

(Label: Coolant Temp)
 (Label: Air Temp)
 (Label: Oil Temp)

Plug this connector into the 2-pin temperature sensor. These sensors are not polarity dependent.

Flex Fuel Sensor

(Label: Flex Fuel)

Use this plug to connect directly to the Haltech Flex Fuel Sensor (HT-011000 sold separately).



Wideband Lambda Sensors 1 and 2

(Label: Wideband 1 and Wideband 2)
 The harness is fitted with two wideband Lambda sensor breakout plugs on each engine bank.
 These connect directly to Haltech's Bosch or NTK wideband sensor kit (sold separately):
 HT-010746 - Bosch LSU4.9
 HT-010747 - NTK LZA08-H5.

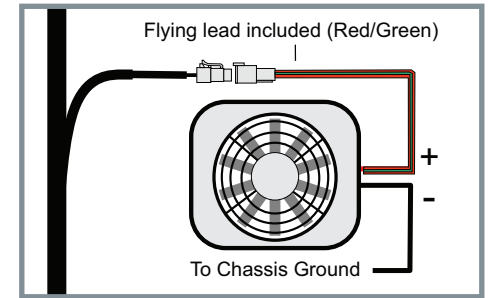


Thermofan Control

(Label: Thermofan/HCO25A-4)

This harness has provision for thermofan with an allocated 2-pin DTP connector.

The breakout plug is located towards the rear of the engine and the opposing connector included with the harness kit is pre-terminated with a length of 12AWG cable to connect directly to the thermofan.



Boost Control

(Label: Boost Up DPO-4 / Boost Down DPO-5)

Included with this harness are two DTM-2 connectors for dual boost control solenoid control.

These connect directly to Haltech boost control solenoid kits (HT-020400, HT-020401, HT-020402 sold separately).

If connecting to an existing boost solenoid - use the opposing connector included.

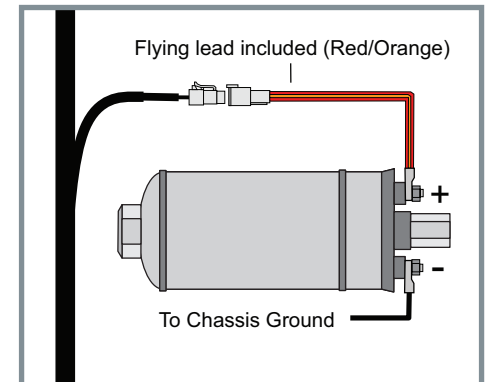


Fuel Pump Control

(Label: Fuel Pump/HCO25A-3)

The 2-pin DTP breakout connector for fuel pump control is located near the main harness junction.

The opposing connector included is pre-terminated with a length of 12AWG cable and connects directly to your fuel pump.

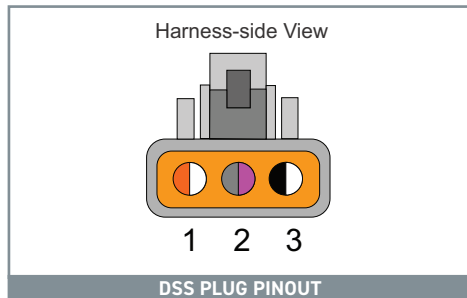


AVI / SPI CONNECTIONS

Driveshaft Speed Sensor

(Label: DSS)

Use this plug to wire a driveshaft speed sensor to take advantage of advanced tuning options available in the Nexus R5 including Torque Management and Traction Control. For a range of driveshaft speed sensors and driveshaft split collar options visit www.haltech.com



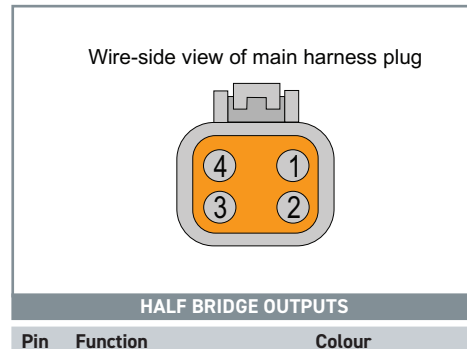
Half Bridge Outputs (HBO)

(Label: Half Bridge Outputs)

The DT-4 connector for half bridge outputs is used for applications such as DC motor or stepper motor Control. HBOs are normally used in pairs to be able to control motors in two directions.

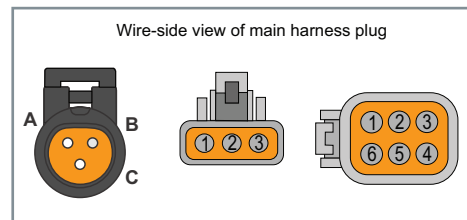
Typical applications include stepper idle control motors, single or dual throttle motors as well as single or dual electronic wastegates.

An opposing connector is supplied.



Spare Analogue Voltage Inputs (AVI)

This harness is fitted with multiple connectors to Analogue Voltage Inputs (AVIs) which you can use for a range of pressure sensors, temperature sensors, position sensors, laser ride height sensors, Haltech rotary trim knobs, switches, etc.



SPARE AVI PLUGS					
DELPHI		DTM-3		DTM-6	
Pin	Function	Pin	Function	Pin	Function
A	Signal Ground	1	Power (+5V)	1	Signal Ground
B	Power (+5V)	2	Signal	2	Signal
C	Signal	3	Signal Ground	3	Power (+5V)
				4	Signal Ground
				5	Signal
				6	Power (+5V)

Spare Synchronised Pulsed Inputs (SPI)

Label: Vehicle Speed SPI-1

Label: Spare SPI-2

Label: Spare SPI-3

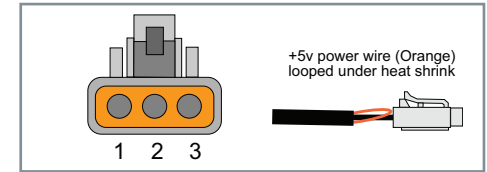
Spare SPI plugs can be used to connect frequency based sensors like vehicle and/or wheel speed sensors as well as analogue 0-5V sensors like linear position or laser ride height sensors.

NOTE: A 5V wire has been looped under the heat shrink for these spare SPI plugs for applications where 5V sensor power is required.

Remove the heat shrink to expose the wire and terminate to suit application.



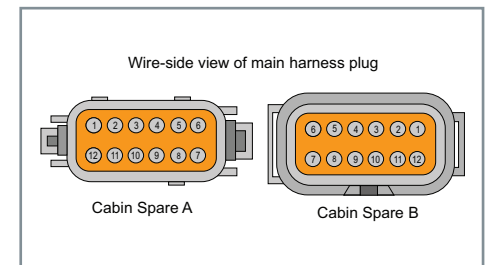
SPI PINOUT	
Pin	Function
1	Signal Ground
2	Power
3	Signal (SPI)



Cabin Harness Breakouts

(Label: Cabin Spare A and B)

This harness provides two 12-pin DTM breakouts in the cabin populated with spare inputs and output. The opposing connectors and pins for these breakouts are included.



CABIN SPARE I/O					
		PLUG A		PLUG B	
Pin	Function	Colour	Function	Colour	
1	CAN 2 H	White	SPI 7	Gray/Green	
2	CAN 2 L	Blue	SPI 8	Gray/Violet	
3	DPO 1	Violet/Black	Unused		
4	DPO 2	Violet/Brown	Unused		
5	DPO 3	Violet/Red	DPO 7	Black/Yellow	
6	SPI 6	Gray/Light Green	DPO 8	Violet	
7	12V Sensor (HCO2)	Pink/Brown	5V Sensor Power	Orange/Red	
8	5V Sensor Power	Orange/Red	Signal Ground B	Black/Gray	
9	Signal Ground B	Black/Gray	Signal Ground B	Black/Gray	
10	Signal Ground B	Black/Gray	12V Sensor Power (HCO2)	Pink/Brown	
11	12V CAN Power (HCO 1)	Pink/Red	12V Sensor Power (HCO2)	Pink/Brown	
12	Power Ground	Black	Power Ground	Black	

PDM SPARES AND TRANSMISSION

PDM Spares Breakout

(Label: PDM Spares)

This harness is fitted with a PDM breakout connector for spare high current outputs for controlling various applications.

Headlights, indicator lights, brake lights, windscreen wipers and washers can all be controlled through these outputs.

The opposing connector is included and pre-crimped with 18AWG wires.



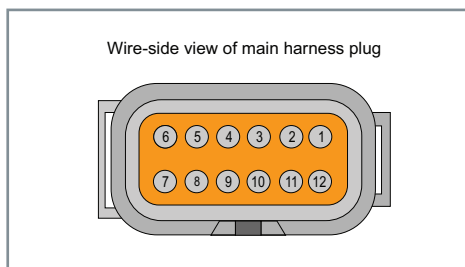
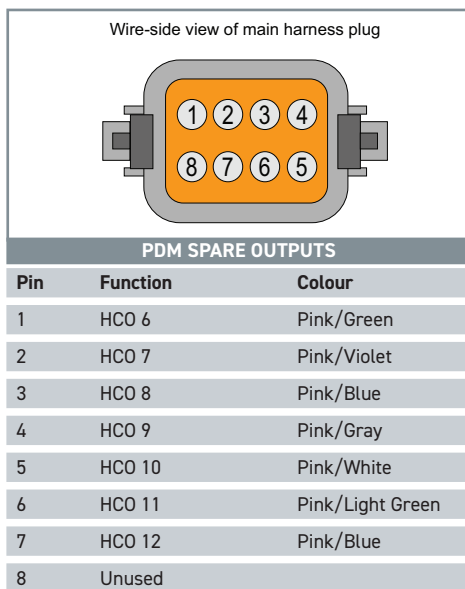
Transmission Harness Breakouts

(Label: Trans / Spare I/O A (Grey plug))

(Label: Trans / Spare I/O B (Black plug))

Breakouts for either transmission control or spare inputs and outputs have been provided in the engine bay.

The opposing connectors and pins for this breakout are included.



TRANSMISSION AND ENGINE SPARE I/O				
PIN	PLUG A (GRAY)		PLUG B (BLACK)	
	Function	Colour	Function	Colour
1	DPO 6	Violet/Green	AVI 16	Light Green/Green
2	Ignition 9	Light Yellow/Black	AVI 17	Light Green/Violet
3	Ignition 10	Light Yellow/Red	AVI 18	Green/Black
4	Ignition 11	Light Yellow/Orange	AVI 19	Green/Brown
5	Ignition 12	Light Yellow/Green	AVI 20	Green/Red
6	Unused		AVI 21	Green/Orange
7	HCO 4	Pink/Orange	AVI 22	Green/Yellow
8	HCO 5	Pink/Yellow	AVI 23	Green/Violet
9	5V Sensor Supply	Orange/Red	SPI 9	Gray/Blue
10	Signal Ground B	Black/Gray	SPI 10	Gray/White
11	12V CAN Power (HCO 1)	Pink/Red	5V Sensor Supply	Orange/Red
12	Power Ground	Black	Signal Ground B	Black/Gray

Haltech

WARRANTY CERTIFICATE

At Haltech we make every effort to design and manufacture fault-free products that perform up to or above the market expectations. All our products are covered by a Limited 12 Month Warranty.

Haltech Limited Warranty

Unless specified otherwise, Haltech warrants its products to be free from defects in material or workmanship for a period of 12 months from the date of purchase.

If the Haltech product is found to be defective as mentioned above, it will be replaced or repaired if returned prepaid along with proof of purchase. Proof of purchase in the form of a copy of the original purchase invoice, receipt or bill of sale which indicates that the product is within the warranty period, must be presented to obtain warranty service.

Replacement or repair of a defective product shall constitute the sole liability of Haltech. To the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representations, either expressed or implied, including any implied warranty of merchantability or fitness. In no event shall Haltech, be liable for special or consequential damages.

Product Returns

Please include a copy of the original purchase invoice, receipt or bill of sale along with the unused, undamaged product and its original packaging. Any product returned with missing accessory items or packaging will incur extra charges to return the item to a re-saleable condition.

All product returns must be sent via a freight method with adequate tracking, insurance and proof of delivery services. Haltech will not be held responsible for product returns lost during transit.

Returns of Products Supplied in Sealed Packaging

The sale of any sensor or accessory supplied in sealed packaging is strictly non-refundable if the sealed packaging has been opened or tampered with. This will be clearly noted on the product packaging. If you do not accept these terms please return the sensor in its original unopened packaging within 30 days for a full refund.

A sensor or accessory product may be returned after 30 days of purchase (with its sealed packaging intact) for credit only (no refunds given) and will be subject to a 10% restocking fee.

Installation of Haltech Products

No responsibility whatsoever is accepted by Haltech for the fitment of Haltech Products. The onus is clearly on the installer to ensure that both their knowledge and the parts selected are correct for that particular application. Any damage to parts or consequential damage or costs resulting from the incorrect installation of Haltech products are totally the responsibility of the installer.

Always disconnect the battery when doing electrical work on your vehicle. Avoid sparks, open flames or use of electrical devices near flammable substances. Do not run the engine with a battery charger connected as this could damage the ECU and other electrical equipment.

Do not overcharge the battery or reverse the polarity of the battery or any charging unit. Disconnect the Haltech ECU from the electrical system whenever doing any welding on the vehicle by unplugging the wiring harness connector from the ECU.

After completing the ECU installation, make sure there is no wiring left un-insulated. Uninsulated wiring can cause sparks, short circuits and in some cases fire. Before attempting to run the engine ensure there are no leaks in the fuel system.

All fuel system components and wiring should be mounted away from heat sources, shielded if necessary and well ventilated. Always ensure that you follow workshop safety procedures. If you're working underneath a jacked-up car, always use safety stands!

Haltech Off-Road Usage Policy

In many states it is unlawful to tamper with your vehicle's emissions equipment. Haltech products are designed and sold for sanctioned off-road/competition non-emissions controlled vehicles only and may never be used on a public road or highway.

Using Haltech products for street/road use on public roads or highways is prohibited by law unless a specific regulatory exemption exists (more information can be found on the SEMA Action Network website www.semasan.com/emissions for state by state details in the USA).

It is the responsibility of the installer and/or user of this product to ensure compliance with all applicable local and federal laws and regulations. Please check with your local vehicle authority before purchasing, using or installing any Haltech product.



Haltech Australia

17 Durian Place,
Wetherill Park NSW 2164
Australia
Phone: +61 2 9729 0999
Email: aus@haltech.com

Haltech New Zealand

Grey Lynn Auckland, NZ 1021
Phone: 09 887 0616
Email: nz@haltech.com

Haltech USA East

750 Miles Point Way,
Lexington, KY USA 40510
Phone: (888) 298 8116
Email: usa@haltech.com

Haltech USA West

Race Winning Brands,
10800 Valley View Street,
Cypress, CA 90630
Phone: (888) 298 8116
Email: usa@haltech.com

Haltech UK

Unit 1, Miras Business Estate,
Keys Park Road, Hednesford,
WS12 2FS
Phone: +44 121 285 6650
Email: uk@haltech.com

Haltech Europe

Ottogasse 2A,
2333 Leopoldsdorf, Austria
Phone: +43 720 883968
Email: europe@haltech.com