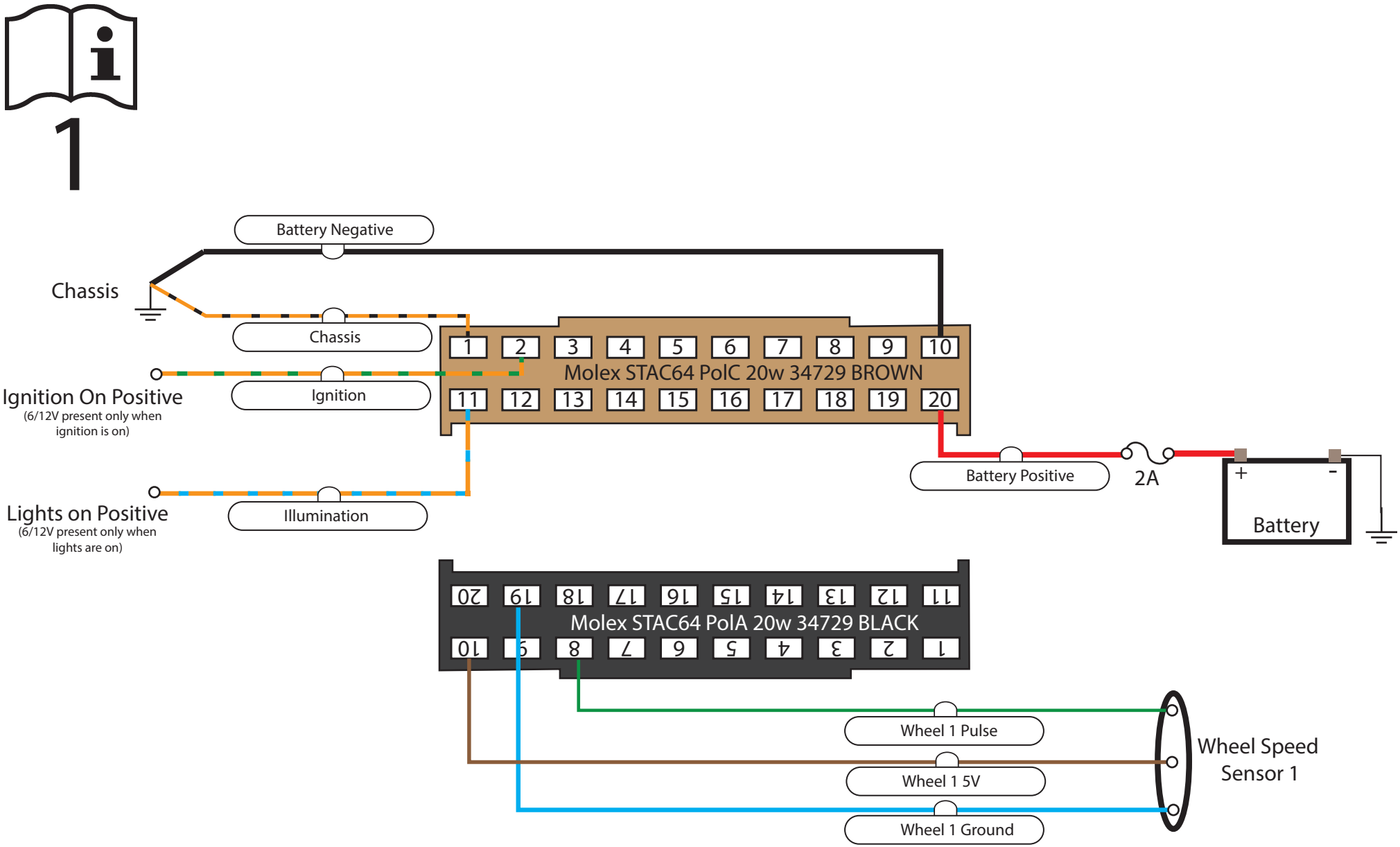

Negative Earth Vehicles ONLY

Pre-Wired Connectors

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GaugePilot

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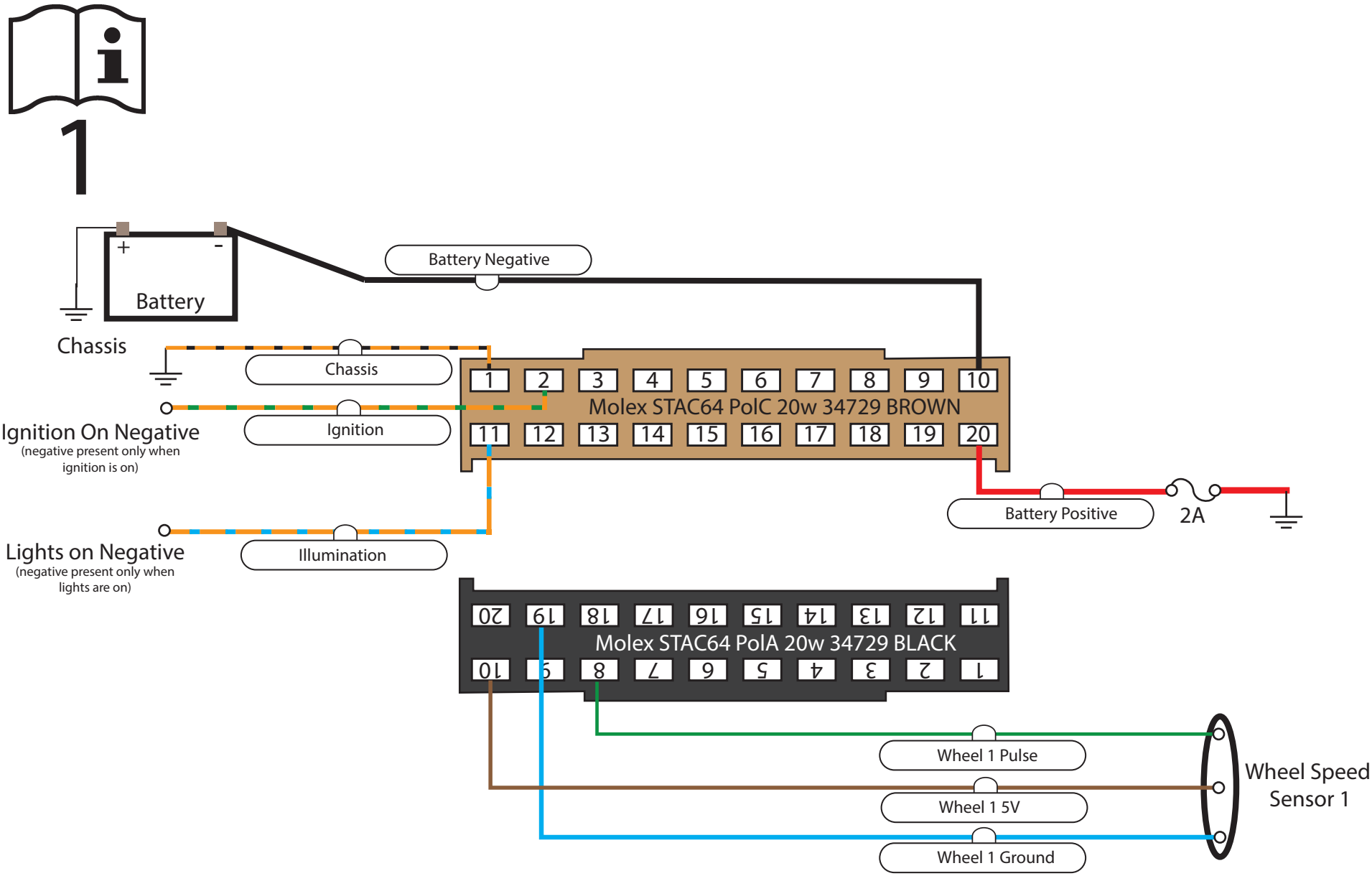

Positive Earth Vehicles ONLY

See sheet 1 for negative earth

Pre-wired Connectors

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GaugePilot

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GaugePilot Connector Pin / Loom Colour	Sensor Signal	Sensor Wiring / Terminal Colour					
		GaugePilot GP-S04	Brantz BR1	Brantz BR4	Monit* Sensor PR001-EN	Monit Sensor (Early)	TerraTrip T006
		M12x1	Speedo Drive	Gearbox Drive	M12x1	M12x1	Speedo Drive
A10 Brown	5V	Brown	Brown	Red	Brown	Orange	Red
A8 Green	Pulse	Black	Blue	White	Black	Blue	White
A19 Blue	Ground	Blue	Green	Black	Blue	Black	Black (Shield)

1

Pre-installed in Black (A) GaugePilot connector

*The new Monit sensors are designed for 12V operation, rather than the 5V of their precedessor. We have not had any reported issues from users using their existing Monit sensor with GaugePilot but please ensure that your odometer is behaving consistently after installation.

Note that our GP-S04 sensor is physically interchangable with the Monit PR001-EN and guaranteed for 5V operation.

Do not connect an externally powered sensor directly to Wheel 1 Pulse. Contact GaugePilot for a suitable isolating interface adaptor (GP-SAxx) for the voltage that your externally powered sensor provides. GP-SA01, as required with our external GPS pulse sensor, is suitable for 5V signals.

Positive and Negative Earth Vehicles

Wheel Sensor 1 Connection

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GaugePilot

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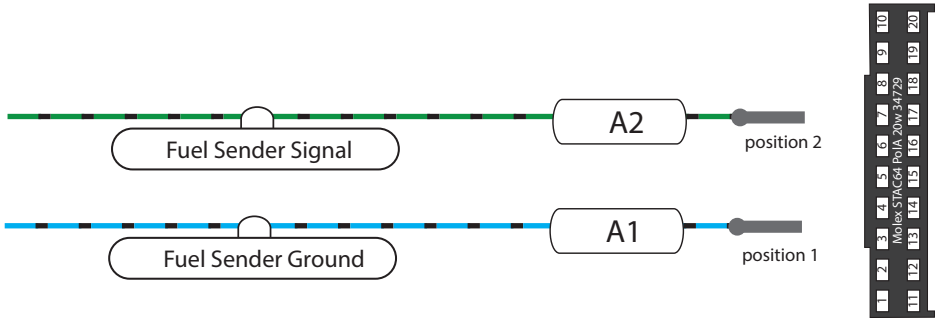

Insert into Existing Black (A) GaugePilot connector

Labelled GREEN/BLACK and BLUE/BLACK wires with crimped terminals are provided with our wiring looms, for insertion into the BLACK connector.

GaugePilot operates with a wide range of sender impedances and contains an internal current source.

Do not connect the fuel sender to any other device or Gauge when connecting it to GaugePilot. Doing so may damage either GaugePilot, the other device, or both.

See the Molex document in our resources area at www.gaugepilot.uk for how to insert pins into the GaugePilot Black (A) connector.

Positive and Negative Earth Vehicles

Fuel Sender

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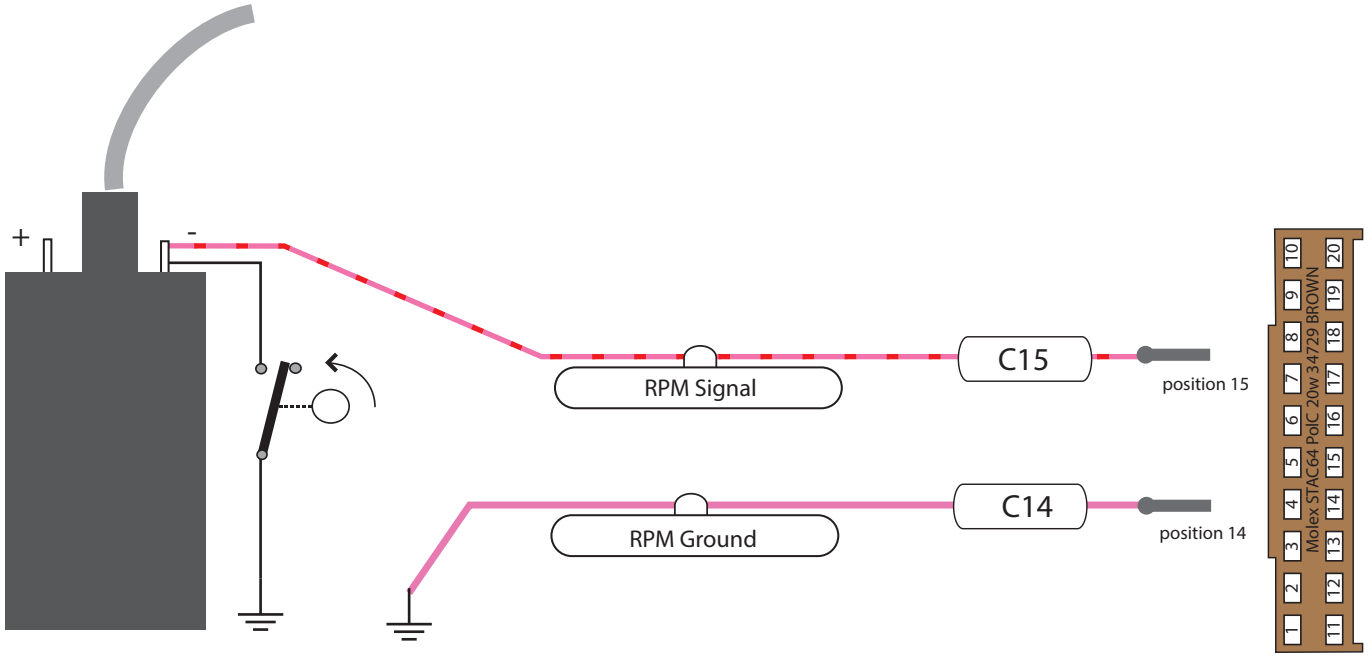
GaugePilot

HAMBLY INDUSTRIES



Insert into Existing Brown (C) GaugePilot connector

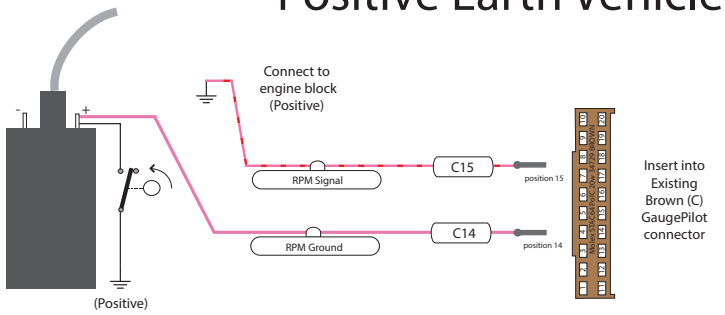
Labelled PINK and PINK/RED wires with crimped terminals are provided with our wiring looms, for insertion into the BROWN connector

Connected as shown GaugePilot supports high-level input signals from the Low Tension side of the ignition coil

By connecting the RPM signal wire to pin A5 (BLACK connector) instead of C15 (BROWN connector), low-level input signals from an ECU or CDI box can be used as an alternative.

See the Molex document in our resources area on www.gaugepilot.uk for how to insert pins into the GaugePilot Brown connector

Positive Earth Vehicles



Negative Earth Vehicles

See inset diagram for positive earth

RPM Input

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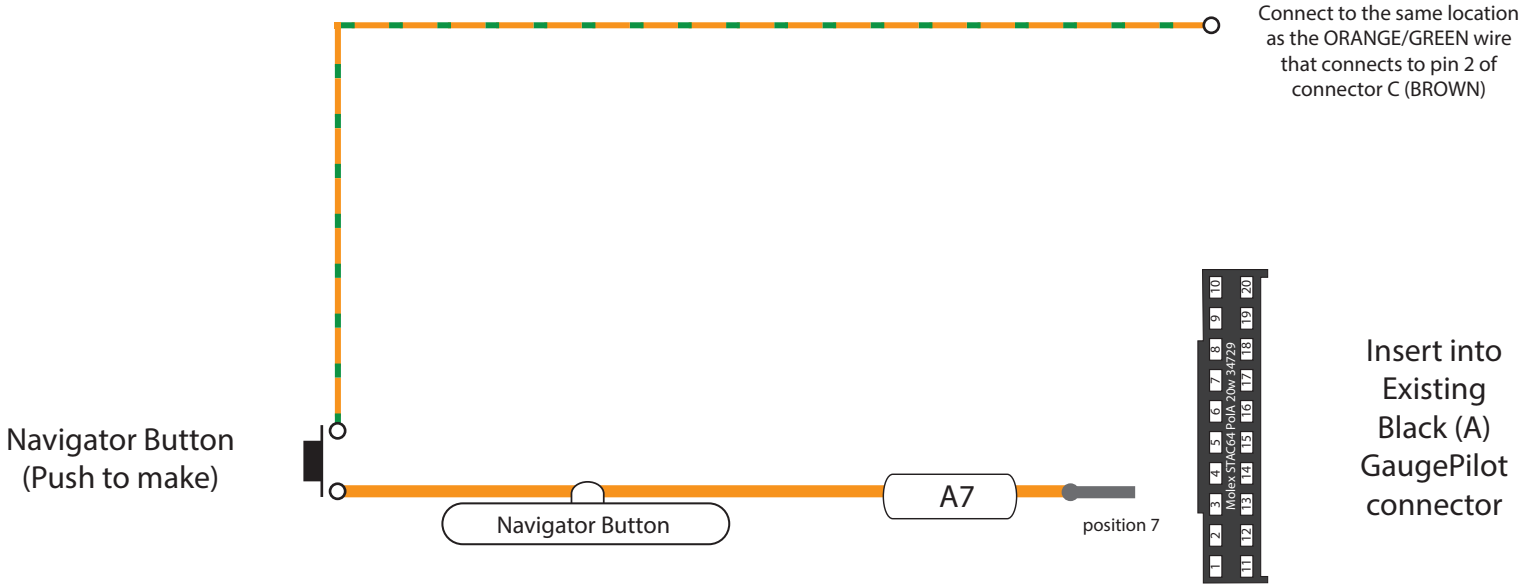
GaugePilot

HAMBLY INDUSTRIES

4



A labelled ORANGE wire with crimped terminal is provided in wiring pack 4 , for insertion into the BLACK (A) connector **if you are using your own switch**.

GP-A04 is a high quality accessory handheld switch on a curly cord with an IP68 rated connector. It can be supplied with either an in-line (I) or panel mounted (P) connector for the vehicle-side connection, and comes complete with its own wiring for insertion into position 7.
Do not insert the ORANGE wire provided with the wiring loom if using GP-A04 but use the its pre-attached wiring instead.

See the Molex document in our resources area on www.gaugepilot.uk for how to insert pins into the GaugePilot Black connector.

Navigator Button

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GaugePilot

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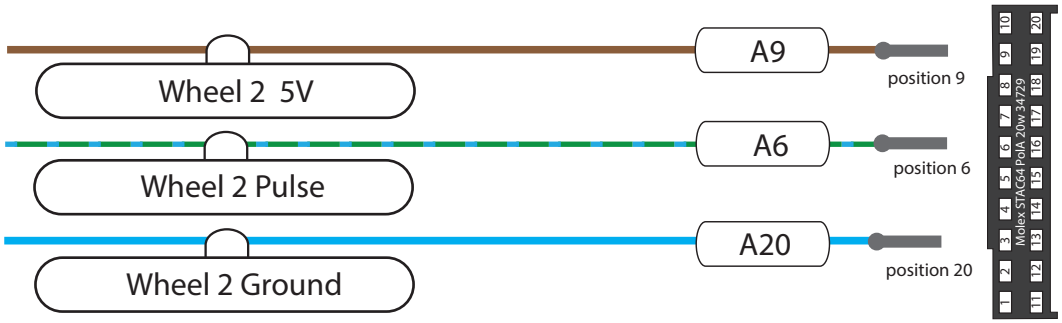
Positive and Negative Earth Vehicles

GaugePilot Connector Pin / Loom Colour	Sensor Signal	Sensor Wiring / Terminal Colour					
		GaugePilot GP-S04	Brantz BR1	Brantz BR4	Monit* Sensor PR001-EN	Monit Sensor (Early)	TerraTrip T006
		M12x1	Speedo Drive	Gearbox Drive	M12x1	M12x1	Speedo Drive
A9 Brown	5V	Brown	Brown	Red	Brown	Orange	Red
A6 Green/Blue	Pulse	Black	Blue	White	Black	Blue	White
A20 Blue	Ground	Blue	Green	Black	Blue	Black	Black (Shield)

4



Insert into Existing Black (A) GaugePilot connector

*The new Monit sensors are designed for 12V operation, rather than the 5V of their precedessor. We have not had any reported issues from users using their existing Monit sensor with GaugePilot but please ensure that your odometer is behaving consistently after installation.

Note that our GP-S04 sensor is physically interchangable with the Monit PR001-EN and guaranteed for 5V operation.

Labelled BROWN, BLUE, and GREEN/BLUE wires with crimped terminals are provided in wiring pack 4, for insertion into the BLACK connector, if using a second sensor.*

Do not connect an externally powered sensor directly to Wheel 2 Pulse. Contact GaugePilot for a suitable isolating interface adaptor (GP-SAxx) for the voltage that your externally powered sensor provides. GP-SA01, as required with our external GPS pulse sensor, is suitable for 5V signals.

* Classic model does not support wheel sensor 2

Positive and Negative Earth Vehicles

Wheel Sensor 2 Connection*

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GaugePilot

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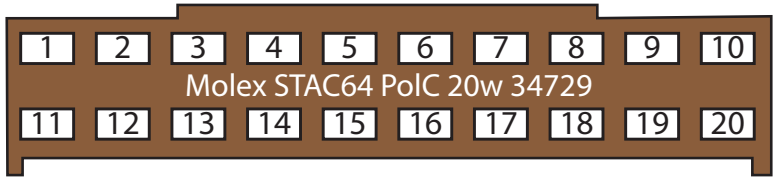
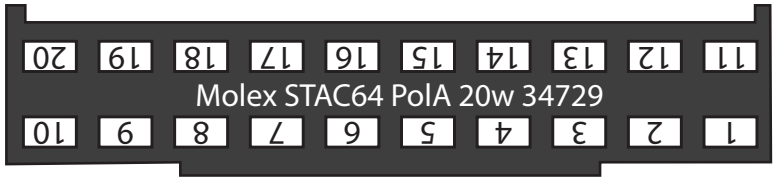
C (BROWN)



C

A (BLACK)



A

Pin	I/O	Label	Wire Colour (Primary/Stripe)	Provided With	Note
C1	-	Chassis	ORANGE/BLACK	L	signal return for IG/LUM/NAV
C2	I	Ignition	ORANGE/GREEN	L	Chassis (C1) provides return path
C3	-	CarID Ground*	BLUE/PURPLE	W	
C4	-	Pressure Ground	BLUE/YELLOW	A	
C5	O	Pressure 5V	BROWN/YELLOW	A	5V 20mA
C6	O	Slave On	GREY	A	For GaugePilot accessory use only
C7	-	Warning Negative	PURPLE	A	Warning 1/2 ground
C8	O	Warning 1	PURPLE/PINK	A	1A
C9	O	Warning 2	PURPLE/RED	A	1A
C10	-	Battery Negative	BLACK	L	
C11	I	Illumination	ORANGE/BLUE	L	Chassis (C1) provides return path
C12	-	Temperature 1 Ground	BLUE/RED	A	
C13	I	Temperature 1 Signal	GREEN/RED	A	Internal pull-up
C14	I	RPM Ground	PINK	I	
C15	I	RPM Signal	PINK/RED	I	high-level LT input
C16	I	RS232 2 IN*	LT GREEN	A	
C17	-	RS232 2 GND*	LT GREEN/BLACK	A	
C18	O	RS232 2 OUT*	LT GREEN/PINK	A	
C19	I	CarID Signal*	GREEN/PURPLE	W	
C20	I	Battery Positive	RED	L	

Pin	I/O	Signal	Wire Colour (Primary/Stripe)	Provided With	Note
A1	-	Fuel Ground	BLUE/BLACK	I	
A2	I	Fuel Signal	GREEN/BLACK	I	10mA current source
A3	-	Temperature 2 Ground*	BLUE/WHITE	A	
A4	-	n/c			
A5	I	RPM LOW signal			low-level input (alternative to C15)
A6	I	Wheel 2 Pulse#	GREEN/BLUE	I	
A7	I	Navigator Button	ORANGE	I	Chassis (C1) provides return path
A8	I	Wheel 1 Pulse	GREEN	L	
A9	O	Wheel 2 Power#	BROWN	I	5V 20mA
A10	O	Wheel 1 Power	BROWN	L	5V 20mA
A11	-	CANbus Ground*	YELLOW/BLACK	A	
A12	I/O	CANbus L*	YELLOW/RED	A	
A13	I/O	CANbus H*	YELLOW	A	
A14	I	Pressure Signal	GREEN/YELLOW	A	0-5V
A15	I	Temperature 2 Signal*	GREEN/WHITE	A	Internal pull-up
A16	I	RS232 1 IN*	WHITE	A	
A17	-	RS232 1 GND*	WHITE/BLACK	A	
A18	O	RS232 1 OUT*	WHITE/PINK	A	
A19	-	Wheel 1 Ground	BLUE	L	
A20	-	Wheel 2 Ground#	BLUE	I	

L = Pre-installed in provided wiring pack and in GP-L15/x wiringlooms for additional vehicles
W = Pre-installed in GP-L15/2, GP-L15/3 and GP-L15/4 wiringlooms for additional vehicles
I = provided pre-crimped with wiring pack and in GP-L15/x accessory looms for insertion if signal is required
A = pre-crimped wire supplied with additional accessories that make use of this signal and not as part of provided wiring looms

Connectors and crimps available as GP-L01 if you or your installer wish to make your own wiring loom from scratch

* Clubman models do not support Temperature 2, RS232 1, RS232 2, or CANbus.
# Classic models do not support wheel sensor 2

Pin List

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