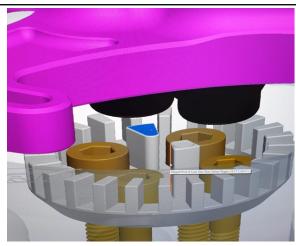


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RB STREET SERIES CAS REPLACEMENT INSTRUCTIONS

NOTE: Trouble Shooting Tips on last page

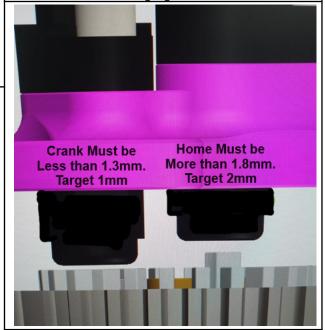




Install the trigger disc on your exhaust cam gear using the titanium low magnetic interference M7 bolts provided, (you may have been supplied a GEN-1 Kit that may have the High tensile steel version as pictured) Please contact us if magnetic interference becomes an issue, but with our very specific sensor gaps you should be fine with either.



Install the CAS bracket and trigger mount. Also install the black MoTeC sensors. Measure the sensor gaps, you can do this with a feeler gauge under the sensor tabs.



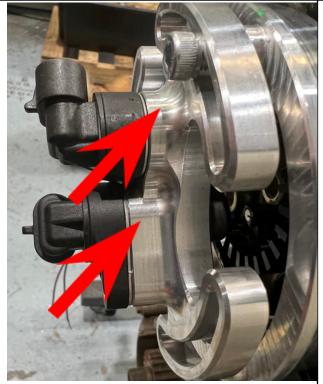
The recommended gap for your inner sensor Home (single tooth) is 2mm and for the outer sensor being RPM (Crank) the required air gap aim is 1mm. Due to the machined component already provided with a difference in height, all you need to do is shim each sensor with the same sized shim. The tolerances should then be achieved as above.

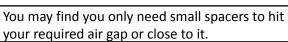


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Alternatively you may need the bigger spacers as shown here.

GENERAL WIRING INFORMATION

NOTE: Subsequent to electronic setup pages linked below, the MoTeC Hall effect sensor must have a supply voltage of no less than 12V DC. OEM Nissan wiring supplies ECU 12v to the CAS and is OK to use.



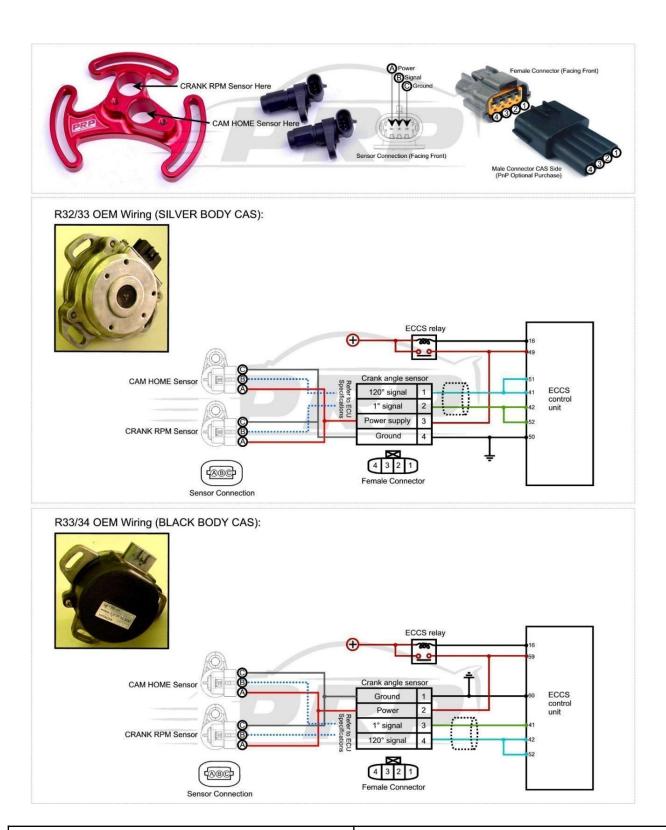
Always confirm TDC Offset Angle with a timing light!



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ECU	PIN A	PIN B	PIN B	PIN C
		(outer sensor)	(inner sensor)	
Haltech Nexus	ECU 12v	B1 Trigger+	B2 Home+	Signal Ground
Haltech Elite 1xxx/2xxx	ECU 12v	B1 Trigger+	B2 Home+	Signal Ground
Haltech Elite w/ Patch	OEM CAS 12v	OEM 120° Pin	OEM 1° Pin	OEM Ground Pin
Haltech Elite 750	ECU 12v	31 Trigger+	32 Home+	Signal Ground
Haltech Sport	ECU 12v	B1 Trigger+	B2 Home+	Signal Ground
Haltech Platinum Pro	OEM CAS 12v	OEM 1° Pin	OEM 120° Pin	OEM Ground Pin
MoTeC M130	ECU 12v	B1 REF UDIG1	B2 SYNC UDIG2	Sensor Ov
MoTeC M150	ECU 12v	D1 REF UDIG1	D2 SYNC UDIG2	Sensor Ov
Motec Hundred Series	ECU 12v	B1 REF	B2 SYNC	Sensor Ov
LinkECU Plugin	OEM CAS 12v	OEM 1°	OEM 120°	OEM Ground Pin
LinkECU Universal	ECU 12v	Trigger 1	Trigger 2	Gnd Out



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ECU SPECIFIC WIRING INFORMATION



Trigger Configuration Trigger Type Generic - Multi-tooth - Single Tooth Home Trigger Signal Location Number Of Teeth Number Of Missing Teeth TDC Offset Angle TDC Offset Angle Table Enable RPM Filter Level Generic - Multi-tooth - Single Tooth Home V 1 V TOC Offset Angle Tooth Home V 1 V TDC Offset Angle Tooth Home V 1 V TDC Offset Angle Tooth Home V

Disable

Trigger Signal Sensor Type Hall Effect Edge Falling Edge Filter Level 0 Pull Up Enabled Ground Reference Disable Digital Reference Disable Signal Coupling DC

Quick Start

Home Signal

Sensor Type	Hall Effect V			
Edge	Falling Edge 🗸			
Filter Level	0 ~			
Pull Up	Enabled V			
Ground Reference	Disable V			
Digital Reference	Disable V			
Signal Coupling	DC V			
Minimum RPM	1000 RPM			
Synchronisation Mode	Always			

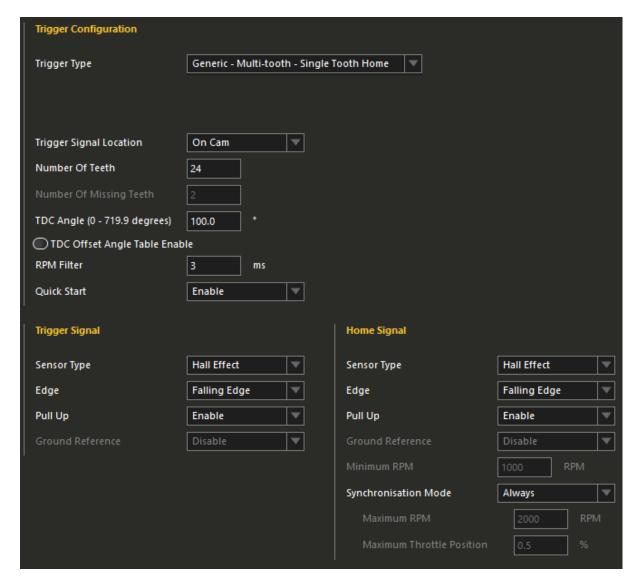


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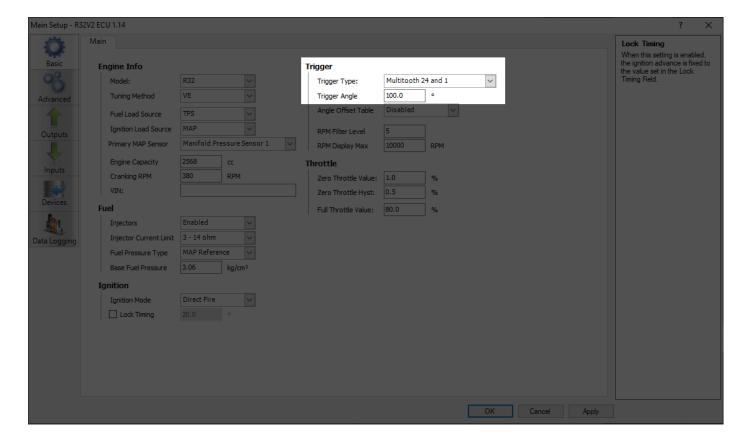


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ECU SPECIFIC SETUP INFORMATION



M1XXX Series





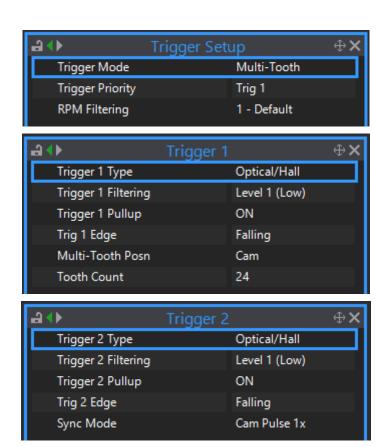


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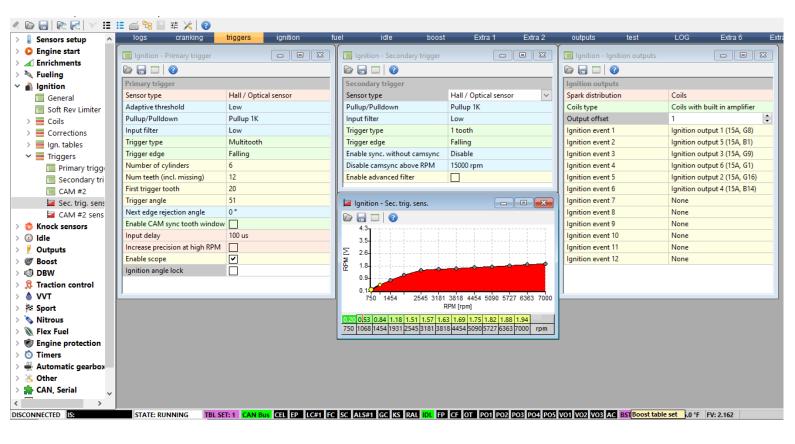


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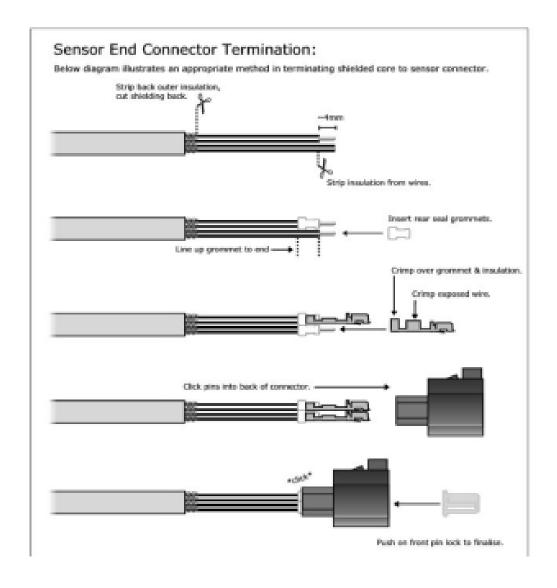
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HELPFUL INFORMATION & LINKS

Haltech Wiring Diagrams

Haltech Pinouts, Guides, Manuals

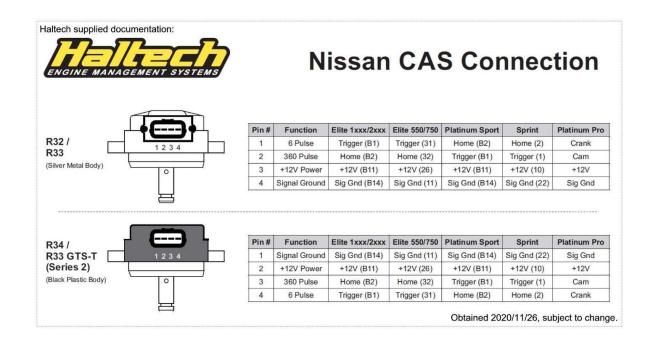




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Troubleshooting Notes

Compliant: 1.8mm gap is yielding double counts on the home signal. Increasing to 1.95mm still gives a trigger error. Any further gets worse and stops producing a signal.

Resolution: Home signal (which is running off the single tooth pickup) has a maximum gap of 1.3mm to be able to work. Reduce it to 1mm or less.

The crank signal needs to be 2mm or more.