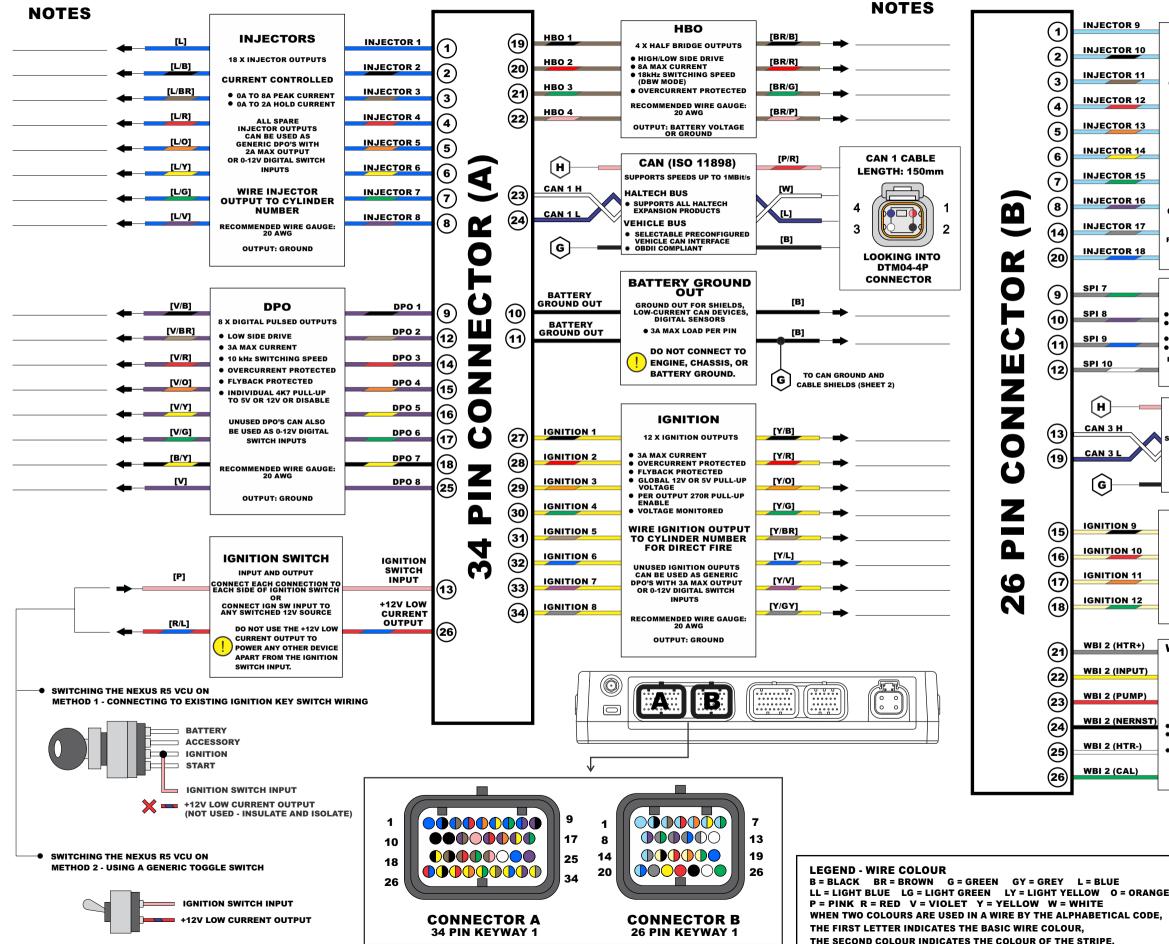
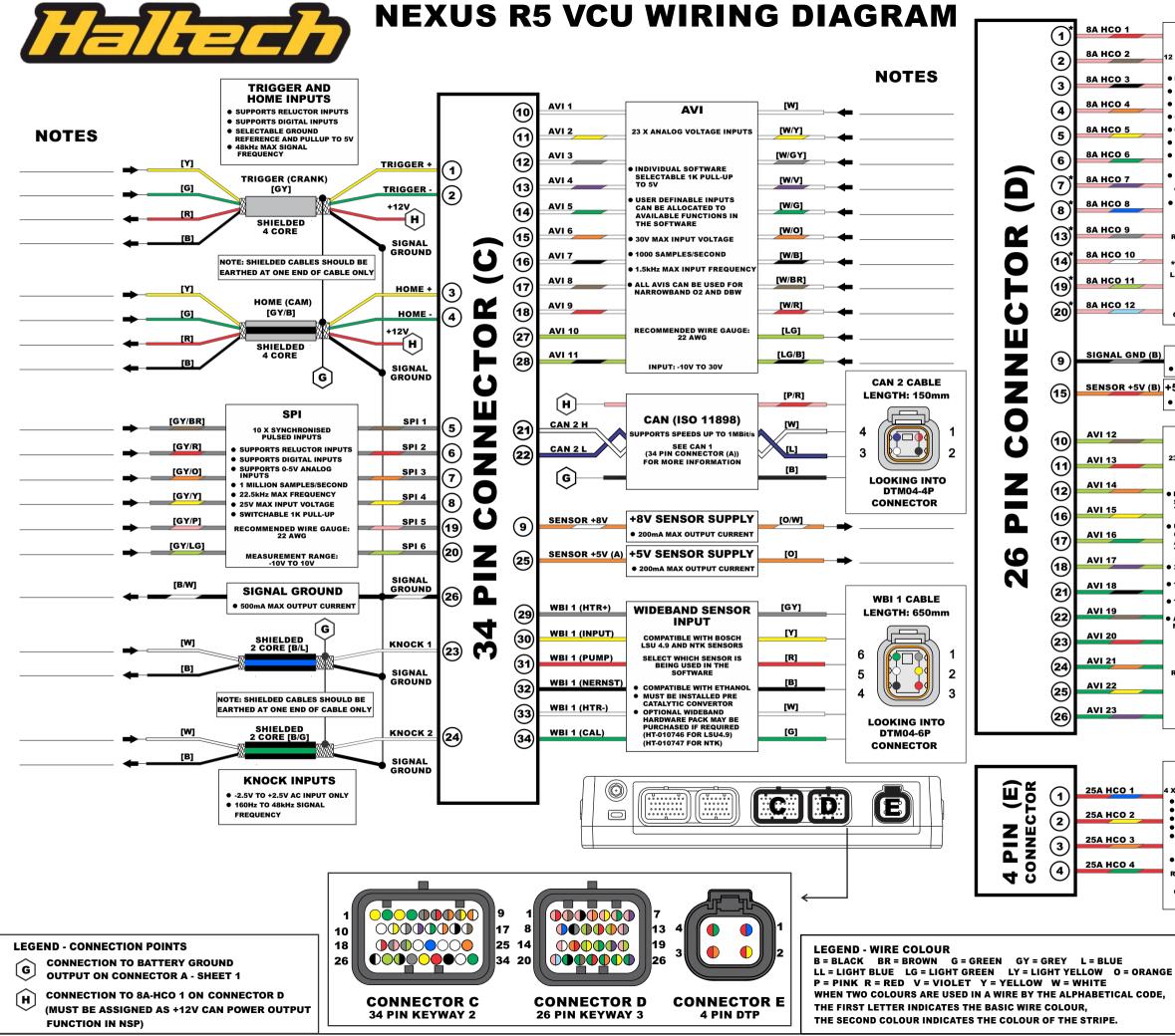
## **NEXUS R5 VCU WIRING DIAGRAM**





		NOTES
INJECTORS	[LL]	
18 X INJECTOR OUTPUTS	[LL/B]	
	[LL/BR]	
OA TO 8A PEAK CURRENT	[LL/R]	
• 0A TO 2A HOLD CURRENT	[LL/0]	_₽
ALL SPARE INJECTOR OUTPUTS CAN BE USED AS		<b>→</b>
GENERIC DPO'S WITH 2A MAX OUTPUT	[LL/Y]	→
OR 0-12V DIGITAL SWITCH INPUTS	[LL/G]	→
WIRE INJECTOR OUTPUT TO CYLINDER	[LL/V]	
	[LL/GY]	
RECOMMENDED WIRE GAUGE: 20 AWG OUTPUT: GROUND	[LL/L]	
SPI	 1	
3 <b>PI</b> 10 X SYNCHRONISED PULSED INPUTS	[GY/G]	<b>— —</b> — — — — — — — — — — — — — — — —
<ul> <li>SUPPORTS DIGITAL INPUTS</li> <li>SUPPORTS 0-5V ANALOG</li> </ul>	[GY/V]	
INPUTS 22.5KHz MAX FREQUENCY SWITCHABLE 1K PULL-UP	[GY/L]	<b></b>
RECOMMENDED WIRE GAUGE: 22 AWG	[GY/W]	- <b>4</b>
MEASUREMENT RANGE: -10V TO 10V		CAN 3 CABLE
	[P/R]	LENGTH: 150mm
CAN (ISO 11898) SUPPORTS SPEEDS UP TO 1MBit/s	[W]	
SEE CAN 1 (34 PIN CONNECTOR (A))		
FOR MORE INFORMATION	(B)	
		LOOKING INTO DTM04-4P
IGNITION	[LY/B]	CONNECTOR
12 X IGNITION OUTPUTS	[LY/R]	<b>_</b>
SEE IGNITION OUTPUTS 1-8 (34 PIN CONNECTOR (A))	[LY/0]	
FOR MORE INFORMATION	[LY/G]	
OUTPUT: GROUND		<b>→</b>
WIDEBAND SENSOR	[GY]	WBI 2 CABLE
INPUT	[Y]	LENGTH: 650mm
COMPATIBLE WITH BOSCH LSU 4.9 AND NTK SENSORS		
SELECT WHICH SENSOR IS BEING USED IN THE SOFTWARE	[R]	
COMPATIBLE WITH ETHANOL     MUST BE INSTALLED PRE	[B]	$ \begin{array}{c c} 5 \\ 4 \end{array} \begin{vmatrix} 0 & 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$
CATALYTIC CONVERTOR     OPTIONAL WIDEBAND	[W]	
HARDWARE PACK MAY BE	1	LOOKING INTO

	NEXUS R5 VCU WIRING DIAGRAM				
GE					
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				NOTES		
	8A HCO	[P/R]		H +12V CAN POWER		
12 X	8A HIGH CURRENT OUTPUTS	[P/BR]				
	IGH SIDE DRIVE A MAX CURRENT	[P/B]				
• 1	00Hz SWITCHING SPEED	[P/O]				
	APABLE OF 0-100% DUTY VERCURRENT PROTECTED	[P/Y]	<b>_</b>			
• s	LYBACK PROTECTED OFTWARE PROGRAMMABLE	[P/G]				
• s	USE CURRENT OFTWARE PROGRAMMABLE ELAY DURATION ONCE FUSE	[P/V]				
" • s	BLOWS" BEFORE RETRY OFTWARE PROGRAMMABLE	[P/L]				
N	IUMBER OF RETRIES	[P/GY]				
RECOMMENDED WIRE GAUGE: 18 AWG						
* PLUG ALLOWS FOR A LARGER GAUGE WIRE (16AWG)		[P/W]				
	IF REQUIRED	[P/LG]				
o	UTPUT: BATTERY VOLTAGE	[P/LL]				
	SIGNAL GROUND	[B/GY]				
+5	V SENSOR SUPPLY	[0/R]				
• 2	00mA MAX OUTPUT CURRENT					
	Ανι	[LG/BR	1			
23	X ANALOG VOLTAGE INPUTS	[LG/R]				
	[LG/0]					
• INDIVIDUAL SOFTWARE SELECTABLE 1K PULL-UP TO 5V		[LG/Y]				
USER DEFINABLE INPUTS CAN BE ALLOCATED TO AVAILABLE FUNCTIONS IN THE SOFTWARE     30V MAX INPUT VOLTAGE		[LG/G]	<del>_</del>			
		[LG/V]				
• 10	000 SAMPLES/SECOND	[G/B]				
<ul> <li>1.5kHz MAX INPUT FREQUENCY</li> <li>ALL AVIS CAN BE USED FOR NARROWBAND 02 AND DBW</li> </ul>		[G/BR]				
		[G/R]				
RECOMMENDED WIRE GAUGE: 22 AWG		[G/O]				
		[G/Y]				
		[G/V]				
	INPUT: -10V TO 30V					
	25A HCO					
	25A HIGH CURRENT OUTPUTS 11GH/LOW SIDE DRIVE	[R/L]				
• 2	25A MAX CURRENT CAPABLE OF 0-100% DUTY	[R/Y]	<b></b>			
• 5	5kHz SWITCHING SPEED SOFTWARE PROGRAMMABLE	[R/O]				
	FUSE CURRENT, DELAY AND NO. OF RETRIES OVERCURRENT PROTECTION					
	COMMENDED WIRE GAUGE: 12 AWG	[R/G]				
0	UTPUT: BATTERY VOLTAGE OR GROUND					
	<b>H</b> alka <b>a</b> h					
ЭE	NEXUS R5 VCU WIRING DIAGRAM					
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	DATE: OCT 2024		SHEET	2 OF 2		