

AudiRS3/TTRS8V2

This document is intended for use by a technical audience and describes a number of procedures that are potentially hazardous. Installations should be carried out by competent persons only.

Syvecs and the author accept no liability for any damage caused by the incorrect installation or configuration of the equipment.

Please Note that due to frequent firmware changes certain windows might not be the same as the manual illustrates. If so please contact the Syvecs Tech Team for Assistance.

Support@Syvecs.com



Designed for use with the DAZA Engines Only

Content

The kit includes:

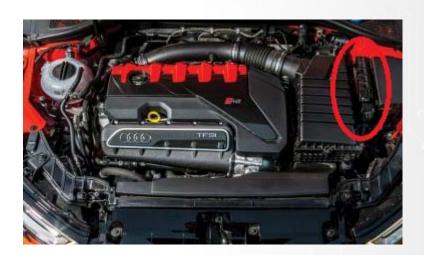
1 x Syvecs S7Plus

1 x GDI12 Driver

1 x Wiring Adaptor

Installation

- 1.) Remove the Negative Terminal from the battery on the Vehicle
- 2.) Remove the OEM Engine control modules found in the engine bay next to the battery



- 3.) Remove the OEM Ecu Holder which is held in place with 2xM6 nuts
 - 4.) Replace with the Syvecs kit

Specific Software Options

Due to the number of Cars that the DAZA Engine is fitted to, an ECU Coding setup needs adjusting in Scal to suit the model of your VAG Group Car.

This is found at the bottom under I/O Configuration



Car Code 4 Values

0 = RS3

1 = TTRS

2 = RS3 China

3 = RS3 USA

DSG TCM Logging

The Syvecs kit allows logging of the Clutch pressures from the DSG Gearbox. To enable this Set Car Code1 = 1

IMPORTANT – WHEN DOING GEAR RELEARNS OR COMMUNICATIONS WITH THE DSG ECU VIA VAGCOM SET THIS CARCODE1 = 0

Injector Size is set in Fuel Consumption – Injector Consumption Scaling for MPG Gauge

Injector Size / 60 = ml/s value

OEM DI Injectors are set in the Base map @ 18ml/s



FAQ and Help

Q) Do you control the OEM Intake Flaps

A) Yes, This is set in Output Functions – Fan7 (Intake Flap), Its controlled Based on RPM vs Manifold Pressure

Q) Do you control the OEM Exhaust Valves

A) Yes, This is set in Output Functions – Fan8 (Exhaust Flap Control), Its controlled Based on Load vs DriveMode so you can open only in Dynamics mode

Q) Do you control the Exhaust Cam Lift Solenoids

A) Yes, This is adjustable in Output Function – Variable Cam Control

Q) How is the OEM Coolant Switch Pump Controlled

A) This is found in Output Functions – Fan2 (Coolant Switch Pump), Its controlled Based on Engine speed and Coolant Temp

Q) How is the Electronic Blow of Valve controlled

A) This is found in Output Functions – Fan5 (Turbo Recirc), Its controlled via Throttle Angle, Manifold Presure and RPM

Q) Can I install different in tank pump?

A) Yes, the Syvecs communicates with the OEM Fuel Pump Ecu to allow PWM Control of the Pump so it can be adjusted to suit your new pump. This is found in Output

Function – Basic PWM 2 – (Intake Fuel Pump)

Q) What of the original features will now now work?

A) Only the Autostart-stop function,

Q) Can we use the OBD port still to Log, Read Codes and Clear them on other ecus on the car like ABS?

A) Yes via the Use on VagCom - https://www.ross-tech.com/vag-com/

Q) How do I adjust the Port Injector Sizing

A) Do you support the Auto Shift Functions for Manual mode?

Q) Yes, Upshift Only...this was added in May 2020 code update.

You can set the Change Light to run Strategy without Pin in the i/o config - Pin assignments. Then set the Change light RPM points under output functions to toggle the Upshift.

A) First set the Secondary Injector Opening times in RunMode Fueling – Corrections

After you need to set the Secondary multipler difference between the DI and Port under Run mode fueling – Correction – Secondary Multipler

OEM DI Injectors flow around 820cc.. So do 820/ (Port Injectors cc) to give a good starting point on Secondary multiplier

Ensure that the Secondary Injection Opening Time values are correct from your manufacture.

After Start the engine up and monitor the Lambda1 Value and FuelMltCll1 Value. Now go to Injector Split1 and increase the values up to 50% in the area and around that the tracer is showing the engine is current at.

As the Ports start to blend in and you have the Split at 50% you need to be monitoring the Lambda1 and FuelmltCll1. If the values are different compared to before

when split was at 0% then adjust the Secondary multiplier live until they are the same with the split present.. Once that is good, set the Split back to 0%,

When the OEM DI Injectors now reach their limit the Syvecs ecu will automatically bring the ports in to maintain the desired fuel requirements, If you wish to bring

the port injectors in sooner then set the split table as required.

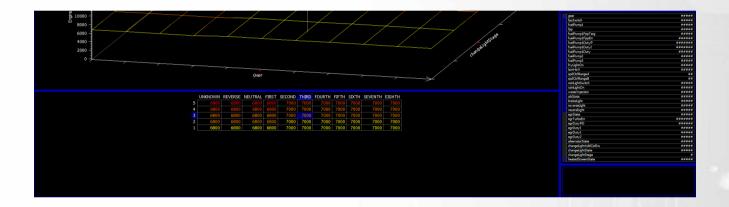
Email Support@syvecs.co.uk for a base map to suit your setup.

Auto Shift

The Syvecs 8V2 has the ability to automatically control the shift point in Manual Mode by replicating an Up Paddle Request, this is done via the Change Light Strategy which is found in Output Functions - Change Light. Uses will need to first set the Change Light strategy to RUN STRATEGY

WITHOUT PIN in the Pin Assignments.

Then Adjust in Output Functions - Change Light the Shift RPM Desired for Manual Mode. This will allow the up paddle to be replicated at the desired RPM.



Ethanol Content Display

The Ethanol content will be displayed on the Horsepower gauge when changing calibration using the Cruise Lever



A	DESCRIPTION	CONNECTOR A	
	PART NUMBER	4-1437290-0	Min. 30 III
	NOTES:	34 Way - Key1	20,2211,72
Syvecs Description	Syvecs Pinout	Function	
PWR CTR OUT	A1	MAIN RELAY OUTPUT	Main Relay
H-Bridge1 / SlaveOut1	A2	H-Bridge1	DBW +
H-Bridge2 / SlaveOut2	A3	H-Bridge2	DBW -
H-Bridge3 / SlaveOut3	A4	H-Bridge3	WG Solenoid
H-Bridge4 / SlaveOut4	A5	H-Bridge4	Evap
H-Bridge5 / SlaveOut5	A6	H-Bridge5	DI Pump Signal to DI12
H-Bridge6 / SlaveOut6	A7	H-Bridge6	Starter Relay
H-Bridge7 / SlaveOut7	A8	H-Bridge7	Intake Manifold Flap (N316)
H-Bridge8 / SlaveOut8	A9	H-Bridge8	Coolant Switch Pump
FUEL1	A10	INJECTOR or PWM OUTPUT	Primary Injector 1
FUEL2	A11	INJECTOR or PWM OUTPUT	Primary Injector 2
FUEL3	A12	INJECTOR or PWM OUTPUT	Primary Injector 3
FUEL4	A13	INJECTOR or PWM OUTPUT	Primary Injector 4
FUEL5	A14	INJECTOR or PWM OUTPUT	Primary Injector 5
FUEL6	A15	INJECTOR or PWM OUTPUT	Port Injector 1 (N532)
FUEL7	A16	INJECTOR or PWM OUTPUT	Port Injector 2 (N533)
FUEL8	A17	INJECTOR or PWM OUTPUT	Port Injector 3 (N534)
FUEL9	A18	INJECTOR or PWM OUTPUT	Port Injector 4 (N535)
FUEL10	A19	INJECTOR or PWM OUTPUT	Port Injector 5 (N536)
FUEL11	A20	INJECTOR or PWM OUTPUT	Fuel Pump PWM
FUEL12	A21	INJECTOR or PWM OUTPUT	Cooling Fan PWM
FUEL13	A22	INJECTOR or PWM OUTPUT	Turbo Recirc (N249)
FUEL14	A23	INJECTOR or PWM OUTPUT	Exhaust Cam Solenoids B
FUEL15	A24	INJECTOR or PWM OUTPUT	VVT1 Int (N205)
FUEL16	A25	INJECTOR or PWM OUTPUT	VVT1 Ex (N316)
IGN1	A26	CYL 1 IGNITION OUTPUT	IGN1 (N70)
IGN2	A27	CYL 2 IGNITION OUTPUT	IGN2 (N127)
IGN3	A28	CYL 3 IGNITION OUTPUT	IGN3 (N291)
IGN4	A29	CYL 4 IGNITION OUTPUT	IGN4 (N292)
IGN5	A30	CYL 5 IGNITION OUTPUT	IGN5 (N292)
IGN6	A31	CYL 6 IGNITION OUTPUT	Tacho Sync
PWRGND	A32	POWER GROUND	PwrGnd
PWRGND	A33	POWER GROUND	PwrGNd
PWRGND	A34	POWER GROUND	PwrGNd
В	DESCRIPTION	CONNECTOR B	6) (9)
	PART NUMBER	3-1437290-7	
	NOTES:	26 Way - Key1	
PWRGND	B1	POWER GROUND	PWRGROUND
CAN2L	B2		
CAN2H	B3		
KNOCK	B4	KNOCK	Knock +

KNOCK 2	B5	KNOCK 2	
PVBAT	B6	CONSTANT 12V	
IVBAT	B7	12v	12v for Exhaust Solenoid Valves
LAM1A	B8	Lamv / LamD1+/ LamLun1	Pin6 on LSU4.9 Connector
LAM1B	B9	Lami / LamD1- /LamIP1	Pin1 on LSU4.9 Connector
LAM1C	B10	LamLIA1	Pin5 on LSU4.9 Connector
LAM1D	B11	LamGND / LamLVM1	Pin2 on LSU4.9 Connector
LAM1HEATER	B12	LAMBDA HEATER	Pin3 on LSU4.9 Connector
IVBAT	B13	12V	
LAM2A	B14	Lamv / LamD1+/ LamLun1	
LAM2B	B15	Lami / LamD1- /LamIP1	
LAM2C	B16	LamLIA1	Fuel Pressure Low Side - SENT
LAM2D	B17	LamGND / LamLVM1	
LAM2HEATER	B18	Slave Out 10	Exhaust Flap Control PWM
IVBAT	B19	12V	
KLINE	B20	Kline	
RS232RX	B21	RS232RX	
RS232TX	B22	RS232TX	
LANRX-	B23	Cat5 Pin2	
LANRX+	B24	Cat5 Pin1	
LANTX-	B25	Cat5 Pin6	
LANTX+	B26	Cat5 Pin3	
C			
C	DESCRIPTION	CONNECTOR C	
	PART		IAO DIII
	NUMBER	4-1437290-1	
	NOTES:	34 Way - Key2	
TATO OT COND		101001001D	
KNOCKGND	C1	KNOCKGND	Knock -
ANGND	C2	SENSOR GND	Tested
ANGND ANGND	C2 C3	SENSOR GND SENSOR GND	
ANGND ANGND ANGND	C2 C3 C4	SENSOR GND SENSOR GND SENSOR GND	Tested
ANGND ANGND ANGND 5V OUT	C2 C3 C4 C5	SENSOR GND SENSOR GND SENSOR GND 5V OUT	Tested Tested Tested
ANGND ANGND ANGND 5V OUT 5V OUT	C2 C3 C4 C5 C6	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT	Tested Tested
ANGND ANGND ANGND 5V OUT 5V OUT 5V OUT	C2 C3 C4 C5 C6 C7	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT	Tested Tested Tested Tested Tested
ANGND ANGND ANGND 5V OUT 5V OUT CAN L	C2 C3 C4 C5 C6 C7	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low	Tested Tested Tested Tested Tested Powertrain Can
ANGND ANGND ANGND 5V OUT 5V OUT CAN L CAN H	C2 C3 C4 C5 C6 C7 C8 C9	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT Can Low Can High	Tested Tested Tested Tested Tested Powertrain Can Powertrain Can
ANGND ANGND ANGND 5V OUT 5V OUT CAN L CAN H AN01	C2 C3 C4 C5 C6 C7 C8 C9 C10	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS	Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request
ANGND ANGND ANGND 5V OUT 5V OUT CAN L CAN H AN01 AN02	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS	Tested Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request Di Pressure
ANGND ANGND ANGND 5V OUT 5V OUT CAN L CAN H AN01 AN02 AN03	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS	Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request
ANGND ANGND ANGND 5V OUT 5V OUT CAN L CAN H AN01 AN02 AN03 AN04	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS	Tested Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request Di Pressure
ANGND ANGND ANGND 5V OUT 5V OUT CAN L CAN H AN01 AN02 AN03	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS BI-POLAR INPUTS BI-POLAR INPUTS	Tested Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request Di Pressure Intake Pos Flap
ANGND ANGND ANGND 5V OUT 5V OUT CAN L CAN H AN01 AN02 AN03 AN04 AN05	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS BI-POLAR INPUTS UNI-POLAR INPUTS	Tested Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request Di Pressure Intake Pos Flap
ANGND ANGND ANGND 5V OUT 5V OUT CAN L CAN H AN01 AN02 AN03 AN04 AN05	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS BI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS	Tested Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request Di Pressure Intake Pos Flap VVT1In Pos VVT1Ex Pos
ANGND ANGND ANGND 5V OUT 5V OUT CAN L CAN H AN01 AN02 AN03 AN04 AN05	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS BI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS	Tested Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request Di Pressure Intake Pos Flap VVT1In Pos VVT1Ex Pos Crank Sensor
ANGND ANGND ANGND 5V OUT 5V OUT 5V OUT CAN L CAN H AN01 AN02 AN03 AN04 AN05	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS BI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS	Tested Tested Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request Di Pressure Intake Pos Flap VVT1In Pos VVT1Ex Pos Crank Sensor Brake Lt Sw
ANGND ANGND ANGND 5V OUT 5V OUT 5V OUT CAN L CAN H AN01 AN02 AN03 AN04 AN05 AN06 AN07 AN08 AN09	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS BI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS	Tested Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request Di Pressure Intake Pos Flap VVT1In Pos VVT1Ex Pos Crank Sensor
ANGND ANGND ANGND 5V OUT 5V OUT 5V OUT CAN L CAN H AN01 AN02 AN03 AN04 AN05	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS BI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS	Tested Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request Di Pressure Intake Pos Flap VVT1In Pos VVT1Ex Pos Crank Sensor Brake Lt Sw TPS1A
ANGND ANGND ANGND 5V OUT 5V OUT 5V OUT CAN L CAN H AN01 AN02 AN03 AN04 AN05 AN06 AN07 AN08 AN09 AN10	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS BI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS VOLT-INPUTS	Tested Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request Di Pressure Intake Pos Flap VVT1In Pos VVT1Ex Pos Crank Sensor Brake Lt Sw TPS1A TPS1B
ANGND ANGND ANGND 5V OUT 5V OUT 5V OUT CAN L CAN H AN01 AN02 AN03 AN04 AN05 AN06 AN07 AN08 AN09 AN10	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS BI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS	Tested Tested Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request Di Pressure Intake Pos Flap VVT1In Pos VVT1Ex Pos Crank Sensor Brake Lt Sw TPS1A TPS1B PPSA
ANGND ANGND ANGND 5V OUT 5V OUT 5V OUT CAN L CAN H AN01 AN02 AN03 AN04 AN05 AN06 AN07 AN08 AN09 AN10	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS BI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS VOLT-INPUTS VOLT-INPUTS	Tested Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request Di Pressure Intake Pos Flap VVT1In Pos VVT1Ex Pos Crank Sensor Brake Lt Sw TPS1A TPS1B
ANGND ANGND ANGND 5V OUT 5V OUT 5V OUT CAN L CAN H AN01 AN02 AN03 AN04 AN05 AN06 AN07 AN08 AN09 AN10 AN11 AN12	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS BI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS VOLT-INPUTS VOLT-INPUTS	Tested Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request Di Pressure Intake Pos Flap VVT1In Pos VVT1Ex Pos Crank Sensor Brake Lt Sw TPS1A TPS1B PPSA PPSB
ANGND ANGND ANGND 5V OUT 5V OUT 5V OUT CAN L CAN H AN01 AN02 AN03 AN04 AN05 AN06 AN07 AN08 AN09 AN10 AN11 AN12 AN13	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS BI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS VOLT-INPUTS VOLT-INPUTS VOLT-INPUTS VOLT-INPUTS	Tested Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request Di Pressure Intake Pos Flap VVT1In Pos VVT1Ex Pos Crank Sensor Brake Lt Sw TPS1A TPS1B PPSA PPSB Coolant Temp (G62)
ANGND ANGND ANGND 5V OUT 5V OUT 5V OUT CAN L CAN H AN01 AN02 AN03 AN04 AN05 AN06 AN07 AN08 AN09 AN10 AN11 AN12	C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21	SENSOR GND SENSOR GND SENSOR GND 5V OUT 5V OUT 5V OUT Can Low Can High BI-POLAR INPUTS BI-POLAR INPUTS BI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS UNI-POLAR INPUTS VOLT-INPUTS VOLT-INPUTS	Tested Tested Tested Tested Tested Powertrain Can Powertrain Can Start Request Di Pressure Intake Pos Flap VVT1In Pos VVT1Ex Pos Crank Sensor Brake Lt Sw TPS1A TPS1B PPSA PPSB

AN16	C25	RESISTIVE INPUTS	1 11 2 4 111
EGT1-	C26	EGT1 -	
EGT1+	C27	EGT1 +	
PWR CTR IN	C28	MAIN RELAY INPUT SW	Key On sig (15)
AN S1 / Slave An01	C29	UNI-POLAR INPUTS	Oil Level / Temp
AN S2 / Slave An02	C30	UNI-POLAR INPUTS	Oil Pressure Sensor - SENT
AN S3 / Slave An03	C31		SENT MAP
		UNI-POLAR INPUTS	
AN S4 / Slave An04	C32	UNI-POLAR INPUTS	SENT ACT
AN S5 / Slave An05	C33	UNI-POLAR INPUTS	
AN S6 / Slave An06	C34	UNI-POLAR INPUTS	InterMediate Shaft Speed
Pin	Name	LENGTH Metre	Notes
1	LS1	0.5	Injector 1 -
2	LS2	0.5	•
3	LS3	0.5	Injector 5 -
4	LS4	0.5	
5	LS5	0.5	
6	LS6	0.5	Injector 4 -
7	LS12	0.5	•
8	LS11	0.5	Injector 2 -
9	LS10	0.5	DI Pump Low Signal
10	LS9	0.5	, ,
11	LS8	0.5	
12	LS7	0.5	Injector 3 -
13	Input 1	0.5	Injector 1 Signal
14	Input 2	0.5	
15	Input 3	0.5	Injector 5 Signal
16	Input 4	0.5	,
17	Input 5	0.5	
18	KLINE	0.5	
19	Input 11	0.5	Injector 2 Signal
20	Input 10	0.5	DI Pump Signal
21	Input 9	0.5	, ,
22	Input 8	0.5	
23	Input 7	0.5	Injector 3 Signal
24	VBAT1	0.5	12V
25	HS1,2	0.5	Injector 1 +
26	PWRGND	0.5	GROUND
27	HS3,4	0.5	Injector 5 +
28	HS5,6	0.5	Injector 4 +
29	Input 6	0.5	Injector 4 Signal
30	Input 12	0.5	, J
31	HS11,12	0.5	Injector 2 +
32	HS9,10	0.5	DI Pump High Side
33	PWRGND	0.5	GROUND
34	HS7,8	0.5	Injector 3+
35	VBAT2	0.5	12V