
Syvecs LTD

V1.2

Toyota Supra 94-98

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



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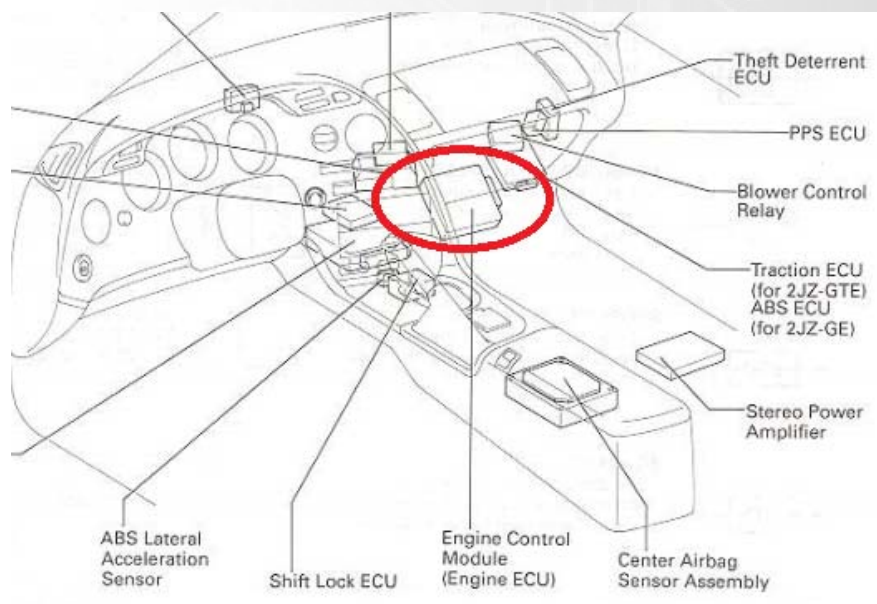
The kit should come with the following:

1 x Syvecs S7Plus ECU or S7-i

1 x Supra PNP Wiring Loom

Installation

- 1.) Remove the Negative Terminal from the battery on the Vehicle
- 2.) Remove the OEM Engine control modules found in the passenger footwell



- 3.) Replace the battery terminal and engine covers and proceed to the Syvecs Manual

Supra MK4 FAQ and Help

Q) Does the Kit work with Auto Trans

A) The Plus Kit offers full auto Gearbox control, via Scal

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.

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

A) None, even cruise control works

Q) Can you control the OEM TT Setup

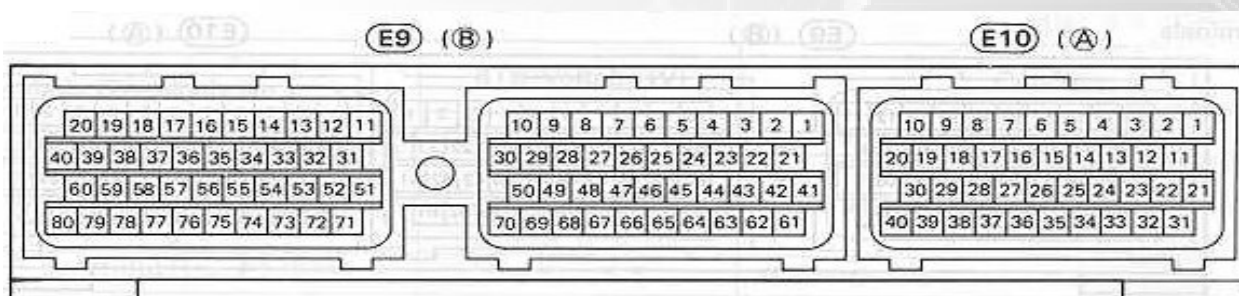
A) Yes but not if on a Auto Cars as not enough outputs present

Q) Can I wire in a aftermarket Boost solenoid

A) Yes this is done on the Blue connector next to the OEM TT Setup, It has 12v and Link directs to pin A5 on S6Plus or

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

Pinouts of S7Plus Kit



A	DESCRIPTION		
	PART NUMBER		
	NOTES:		
<i>Syvecs Description</i>	<i>Syvecs Pinout</i>	<i>Car Pinout</i>	<i>Car Note</i>
PWR CTR OUT	A1		
H-Bridge1 / SlaveOut1	A2	10B	S1 Auto Solenoid
H-Bridge2 / SlaveOut2	A3	9B	S2 Auto Solenoid
H-Bridge3 / SlaveOut3	A4	23A	A/C Clutch
H-Bridge4 / SlaveOut4	A5	60B	Boost Solenoid
H-Bridge5 / SlaveOut5	A6	33B	Idle 1
H-Bridge6 / SlaveOut6	A7	35B	Idle 2
H-Bridge7 / SlaveOut7	A8	34B	Idle 3
H-Bridge8 / SlaveOut8	A9	32B	Idle 4
FUEL1	A10	20B	Injector1
FUEL2	A11	19B	Injector2
FUEL3	A12	18B	Injector3
FUEL4	A13	17B	Injector4
FUEL5	A14	16B	Injector5

FUEL6	A15	15B	Injector6
FUEL7	A16		Secondary Injector 1
FUEL8	A17		Secondary Injector 2
PWM1 /*FUEL9	A18	16A	Tacho - Needs 12v Pullup
PWM2 /*FUEL10	A19		Secondary Injector 3
PWM3 /*FUEL11	A20		Secondary Injector 4
PWM4 /*FUEL12	A21	22A	Fuel Pump - Needs 5v Pullup
PWM5	A22		Secondary Injector 5
PWM6	A23		Secondary Injector 6
PWM7	A24	13B	SLN - Needs Flyback
PWM8	A25	12B	SLT - Needs Flyback
IGN1	A26	57B	Ignition 1
IGN2	A27	56B	Ignition 2
IGN3	A28	55B	Ignition 3
IGN4	A29	54B	Ignition 4
IGN5	A30	53B	Ignition 5
IGN6	A31	52B	Ignition 6
PWRGND	A32	69B	
PWRGND	A33	79B	
PWRGND	A34		

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B	DESCRIPTION		
	PART NUMBER		
	NOTES:		

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PWRGND	B1	80B	
CAN2L	B2		
CAN2H	B3		
KNOCK	B4	External Knock Loom	
KNOCK 2	B5	External Knock Loom	
PVBAT	B6		
IVBAT	B7	31A	12v
LAM1A	B8		Nernst Cell
LAM1B	B9		Ion Pump
LAM1C	B10		Cal Trim Resistor
LAM1D	B11		Virtual Ground
LAM1HEATER	B12		
IVBAT	B13		
LAM2A	B14		Nernst Cell
LAM2B	B15		Ion Pump
LAM2C	B16		Cal Trim Resistor
LAM2D	B17		Virtual Ground
LAM2HEATER	B18		
IVBAT	B19	31B	Auto Solenoids 12v

KLINE	B20		
RS232RX	B21		
RS232TX	B22		
LANRX-	B23		
LANRX+	B24		
LANTX-	B25		
LANTX+	B26		
C			
	DESCRIPTION		
	PART NUMBER		
	NOTES:		
KNOCKGND	C1	External Loom	
ANGND	C2	1B, 3B, 7B, 65B	
ANGND	C3		
ANGND	C4		
5V OUT	C5	41B	
5V OUT	C6		
5V OUT	C7		
CAN L	C8		
CAN H	C9		
AN01	C10	26B	G1
AN02	C11	27B	NE
AN03	C12	External	FL ABS
AN04	C13	External	RL ABS
AN05	C14	34A	A/C Switch
AN06	C15	21B	Overdrive Clutch Speed
AN07	C16	2A	Gearbox Speed
AN08	C17		
AN09	C18	43B	VTA
AN10	C19	62B	Map Input
AN11	C20	External	Oil Pressure Signal
AN12	C21	External	Fuel Pressure Signal
AN13	C22	44B	Coolant Temp
AN14	C23	45B	Air temp
AN15	C24	External	Cal Switchc
AN16	C25	External	Traction Swithc
EGT1-	C26		
EGT1+	C27		
PWR CTR IN	C28		
AN S1 / Slave An01	C29	7A	R Switch
AN S2 / Slave An02	C30	External	Up Switch
AN S3 / Slave An03	C31	External	Down Switch
AN S4 / Slave An04	C32	28A	Overdrive Sw
AN S5 / Slave An05	C33	24B	Auto Trans Temp
AN S6 / Slave An06	C34	76B	Park/Neutral Pos