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# Syvecs LTD

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V1.2

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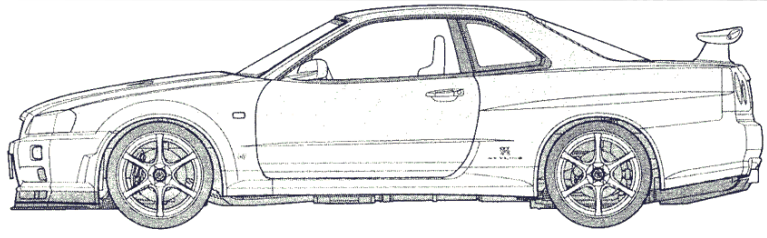
## Nissan Skyline R32-R34

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](mailto:Support@Syvecs.com)



### Contents

The kit contains the following:

1 x Syvecs S7Plus ECU or S7-I

1 x Skyline PNP Wiring Loom

### Installation

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



- 3.) Plug in the Syvecs S7 kit and mount the ecu.
- 4.) Replace the battery terminal and engine covers and proceed to the Syvecs Software Manual

## Skyline R32-R34 FAQ and Help

Q) Does the Kit work with the Hicas System

A) Yes, we also have enough outputs to be able to control the pump direct also

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 no longer work?

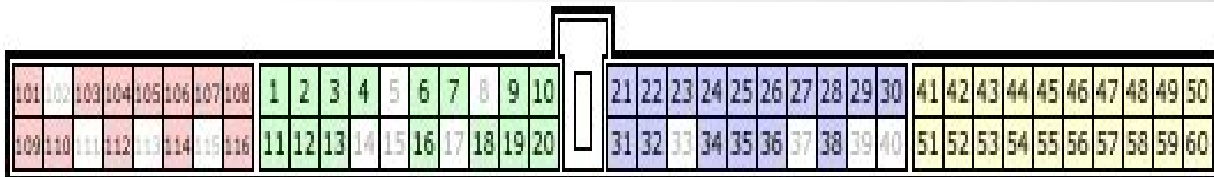
A) All original features will function properly

Q) Can you control the OEM TT Setup

A) Yes

Email [Support@syvecs.co.uk](mailto: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>Skyline RB26</i>	<i>Notes</i>
PWR CTR OUT	A1		
<b>H-Bridge1</b> / SlaveOut1	A2		
<b>H-Bridge2</b> / SlaveOut2	A3		
<b>H-Bridge3</b> / SlaveOut3	A4		
<b>H-Bridge4</b> / SlaveOut4	A5		
<b>H-Bridge5</b> / SlaveOut5	A6		
<b>H-Bridge6</b> / SlaveOut6	A7		
<b>H-Bridge7</b> / SlaveOut7	A8		
<b>H-Bridge8</b> / SlaveOut8	A9		
FUEL1	A10	101	Primary Injector 1
FUEL2	A11	105	Primary Injector 2
FUEL3	A12	103	Primary Injector 3
FUEL4	A13	114	Primary Injector 4
FUEL5	A14	110	Primary Injector 5
FUEL6	A15	112	Primary Injector 6
FUEL7	A16		
FUEL8	A17	6	Engine Fan

<b>PWM1</b> /*FUEL9	A18	18	Fuel Pump Relay
<b>PWM2</b> /*FUEL10	A19	16	ECCS Relay
<b>PWM3</b> /*FUEL11	A20	56	Attesa Signal
<b>PWM4</b> /*FUEL12	A21	7	Tacho
PWM5	A22	4	Idle Valve
PWM6	A23	32	Knock Light
PWM7	A24	9	A/Crelay
PWM8	A25	25	Boost Solenoid
IGN1	A26	1	Ignition 1
IGN2	A27	12	Ignition 2
IGN3	A28	3	Ignition 3
IGN4	A29	13	Ignition 4
IGN5	A30	2	Ignition 5
IGN6	A31	11	Ignition 6
PWRGND	A32	Custom Loom	Power Relay pin 85
PWRGND	A33	20	Coil Ground
PWRGND	A34	116	ECM Ground

<b>B</b>	<b>DESCRIPTION</b>		
	PART NUMBER		
	NOTES:		fs

PWRGND	B1	60	Ground
CAN2L	B2		
CAN2H	B3		
KNOCK	B4	24	Knock
KNOCK2	B5	23	Knock 2
PVBAT	B6		
IVBAT	B7	Pin 87 on custom power relay	Pin 87 on custom power relay
LAM1A	B8	Black	Pin6 on LSU4.9 Connector
LAM1B	B9	Red	Pin1 on LSU4.9 Connector
LAM1C	B10	Custom Wire	Pin5 on LSU4.9 Connector
LAM1D	B11	Yellow	Pin2 on LSU4.9 Connector
LAM1HEATER	B12	White Wire	Pin3 on LSU4.9 Connector
IVBAT	B13	Grey Wire	Pin4 on LSU4.9 Connector
LAM2A	B14	Black	Pin6 on LSU4.9 Connector
LAM2B	B15	Red	Pin1 on LSU4.9 Connector
LAM2C	B16	Custom Wire	Pin5 on LSU4.9 Connector
LAM2D	B17	Yellow	Pin2 on LSU4.9 Connector
LAM2HEATER	B18	White Wire	Pin3 on LSU4.9 Connector
IVBAT	B19	Grey Wire	Pin4 on LSU4.9 Connector
KLINE	B20		
RS232RX	B21		
RS232TX	B22		
LANRX-	B23	Orange/White	
LANRX+	B24	White/Orange	

LANTX-	B25	Green/White	
LANTX+	B26	White/Green	

<b>C</b>	<b>DESCRIPTION</b>		
	PART NUMBER		
	NOTES:		
KNOCK GROUND	C1		
ANGND	C2	30	
ANGND	C3	50	
ANGND	C4	Map Sensor Custom Loom	
5V OUT	C5	48	
5V OUT	C6	Map Sensor Custom Loom	
5V OUT	C7		
CAN L	C8		
CAN H	C9		
AN01	C10		Speed
AN02	C11		
AN03	C12		
AN04	C13		
AN05	C14	52	Cam Sensor
AN06	C15	41	Crank Sensor
AN07	C16	46	A/C Request
AN08	C17		
AN09	C18	38	TPS
AN10	C19	Map Sensor Custom Loom	Map Sensor
AN11	C20		
AN12	C21		
AN13	C22	28	ECT1
AN14	C23	36	Air Charge Temp
AN15	C24		
AN16	C25		
EGT1-	C26		
EGT1+	C27		
PWR CTR IN	C28		
AN S1 / Slave An01	C29		
AN S2 / Slave An02	C30		
AN S3 / Slave An03	C31		
AN S4 / Slave An04	C32		
AN S5 / Slave An05	C33		
AN S6 / Slave An06	C34		