

Real Performance Product By GIZZMO

Launch Interface

GIZZMO ELECTRONICS

Thank you for purchasing the Gizzmo Launch Interface. This manual contains operating instructions and installation procedures that are needed for the fitting and operation of this product.



取扱説明書

Instruction Manual

GIZZMO
ELECTRONICS

www.gizmoelectronics.com

Gizzmo Launch Interface

Warnings:

- 1: Incorrect installation can damage this product
- 2: Gizzmo Electronics will not warranty any item that has been damaged due to incorrect installation or misuse of this product.
- 3: Never disassemble, modify, or tamper with unit. Failure may cause injury or fire, and void warranty.

Gizzmo Launch Interface

The Gizzmo Launch Interface enhances the features of the Gizzmo Tach Recall Shiftlight. The addition of the Gizzmo Launch Interface enables the launch control function of the Gizzmo Tach Recall Shiftlight.

The launch control interface can only be operated using the Gizzmo Tach Recall Shiftlight.

The Launch Interface is not compatible with all cars ignition systems. Typically, if the vehicle has an igniter external to the ECU that has not got a feedback system, the Launch Interface will be compatible.

Key Note:

Upon first attaching the launch controller it will be necessary, after turning the key on and having allowed the Tach Recall Shiftlight to finish its opening ceremony, to push the rear button to switch the Gizzmo Launch Interface on. Having done this, go through the setting modes to enter the launch RPM setting.

Operating Instructions

The following operating instructions are an expanded version of the Gizzmo Tach Recall instructions, with the Gizzmo Launch Interface settings and operations added.

1. Turn the ignition on and start the engine.
2. Press and hold down both the buttons for 2 seconds, once the buttons are released the first stage shiftlight will illuminate
3. Use the two buttons (up/down) to move the tacho needle to the desired rpm for the first stage.
4. Press and the hold down both the buttons for 2 seconds once more. On releasing the buttons the final stage shiftlight will illuminate.
5. Use the two buttons (up/down) to move the tacho needle to the desired rpm for the final stage.
6. Press and hold down both the buttons for 2 seconds once more. On releasing the buttons the launch control light will illuminate.
7. Use the two buttons (up/down) to move the tacho needle to the desired launch rpm.
8. Once launch rpm is correct press both the buttons once more, the tacho will return to normal running mode. The shift points and launch rpm are now set.

Gizzmo Launch Interface Operation Notes.

- The launch rpm can only be set if the launch control is switched on. The launch control is switched on by pressing the rear button once. The tachometer will then move, indicating the position of the current launch rpm, the corresponding launch LED's will flash. To turn off launch control press the rear button once again
- With the Launch Control on, the set launch rpm will be displayed in the start up ceremony when the ignition is switched on.
- After altering the launch RPM, the vehicle must be switched off and restarted before the new setting will take effect.
- The launch features are not enabled until the Gizzmo Tach Recall Shiftlight has finished its opening ceremony.
- Please note that in order for the Launch interface to correctly set the launch RPM the engine revs must be lower than the launch RPM until the opening ceremony of the Tach recall is completed. If you fail to do this your engine revs will quickly creep up after going onto launch.

Installation Instructions

The Gizzmo Launch Interface will control up to six channels. Determine the number channels required for your vehicle, then follow the wiring instructions according to the number of channels required.

NOTE: THIS UNIT IS NOT WEATHER PROOF, INSTALL IN CABIN.

Red	-	12v ECU Positive (must be same as the Tach Recall)
Black	-	ECU Negative (must be same as the Tach Recall)
Green	-	Igniter Trigger One ECU Side
Yellow	-	Igniter Trigger One Engine Side
Pink	-	Igniter Trigger Two ECU Side
Orange	-	Igniter Trigger Two Engine Side
Blue	-	Igniter Trigger Three ECU Side
Purple	-	Igniter Trigger Three Engine Side
Grey	-	Igniter Trigger Four ECU Side
Brown	-	Igniter Trigger Four Engine Side
Red/Blue	-	Igniter Trigger Five ECU Side
White/Brown	-	Igniter Trigger Five Engine Side
Yellow/Brown	-	Igniter Trigger Six ECU Side
Green/Brown	-	Igniter Trigger Six Engine Side
White	-	Com One Connect Com One to Com One out of Gizzmo Tach Recall Shiftlight

Key Installation Note:

All Igniter wires are cut and intercepted.

eg. Green	-	Igniter Trigger One ECU Side
Yellow	-	Igniter Trigger One Engine Side

All igniter wires must be cut in order to wire the Launch Interface in series to each channel. As an example for igniter one Cut igniter trigger wire for coil one. Join cut ECU side of wire to Launch Interface's Green wire, then join cut engine side of trigger wire to Launch Interface's Yellow wire. The Gizzmo Launch Interface is wired in as an interceptor.

Clutch Switch

Note: The placement of the clutch switch is critical to launch control performance

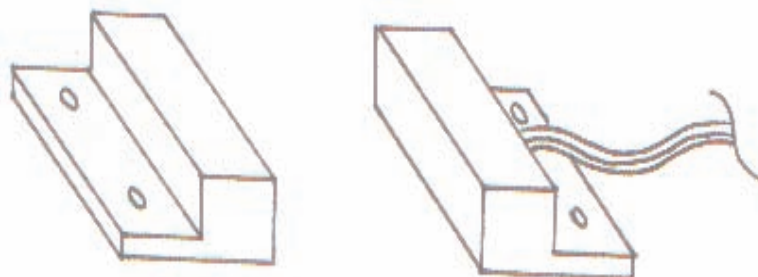
Operation and Installation

The Gizzmo Launch Interface utilises a reed switch to engage and disengage the launch control function. The reed switch needs to be fitted onto the clutch mechanism, one side mounted on a fixed point, and the other moving with the clutch operation.

Function and Placement

When the switches are together (within 21mm) launch control is disabled, meaning normal engine operation is possible. At this point the clutch pedal should be completely disengaged.

To enable launch control the switches must move approx. 25mm apart. At this point the circuit is broken and launch control is activated. Launch control should be activating when the clutch pedal is engaged.



Installation Notes

Launch Control disabled = reed switches within 21mm of each other

Launch Control enabled = reed switched at least 26mm apart from each other

WARNING

Launch control is high stress and high impact. The sudden release of energy may be too much for a vehicles gearbox and drive train. Exercise CAUTION and CARE when determining the suitable launch rpm for your vehicle. If you have any questions consult a mechanic regarding the strength of your drive components.

Gizzmo Electronics Ltd will not be liable for any damage that may result from the use of this product.

NOTE

ECU wiring information is supplied in the following pages. The wiring information is a guideline only. On various makes and models ECU pin outs may differ from those illustrated. A professional should carry out installation, and the ECU pin out information should be checked.

ECU Digram for HONDA

Model	Chassis	Engine	Year	Notes	Diagram
CIVIC	EP3	K20A	01.10~		GH5
	EK9	B16B TYPE R	98.9~00.9		GH1
			97.6~98.8		GH2
	EK4	B16A	98.9~00.9		GH1
			95.8~98.8		GH2
	EK3	D15B	98.9~00.9		GH1
			95.8~98.8		GH2
	EG4	D15B	91.9~95.8		GH6
	EG6	B16A			
	EG9				
	EM1 si		99.2~00.9		GH1
	EJ6	D16Z	92.2~95.8		GH2
	EJ7				
EJ8					
EJ1	B16A	93.2~00.8		GH6	
EF9		89.9~91.8		GH7	
INTEGRA	DC5	K20A	94.9~96.8		GH5
	DC2/ DB8	B18C	95.9~01.6	Type R	GH2
		B18C	93.5~95.8	M / T	GH6
		B18C	93.5~01.6	A / T	GH4
DA6	B16A	89.4~93.5		GH7	
PRELUDE	BB6	H22A	96.12~98.9		GH2
	BB8				
	BB4	H22A	91.9~96.10		GH6
	BB1				GH4

ECU Digram for HONDA

Model	Chassis	Engine	Year	Notes	Diagram
ACCORD/ TORNEO	CL1	H22A	00.6~02.11		GH1
	CL3	F20B	00.6~02.9		
	CF3	F18B	97.9~00.6		GH1
	CF4	F20B			
	CD5	F22B	93.9~97.8		GH6
	CD6	H22A			
ACCORD WAGON	CH9	H23A	99.1~02.10		GH1
	CL2		00.6~02.10		
	CF6	F23A	97.10~02.10		GH1
	CF7				
	CE1	F22B	94.3~97.9		GH6
	CB9	F22A	91.3~94.2		
CR-X	EG2	B16A	92.3~95.10		GH6
	EG1	D15B			
	EF8	B16A	89.9~92.2		GH7
ODYSSEY	RA7	F23A	99.12~		GH1
	RA6				
	RA5	J30A	97.10~99.12		GH2
	RA4	F23A			GH1
	RA3				
	RA2	F22B	94.10~97.9		GH6
	RA1				
S2000	AP1	F20C	99.4~		GH1
NSX	NA1	C30A	90.9~97.1		GH3

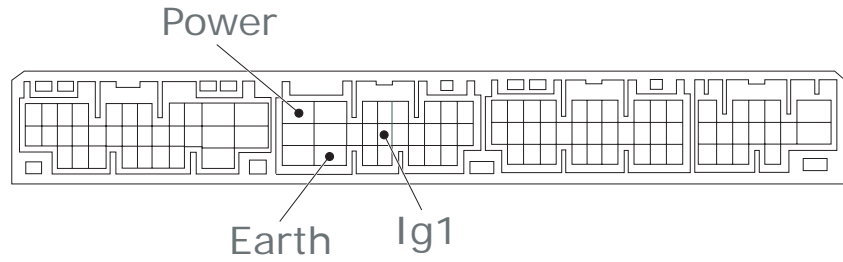
GH1

32p

25p

31p

16p

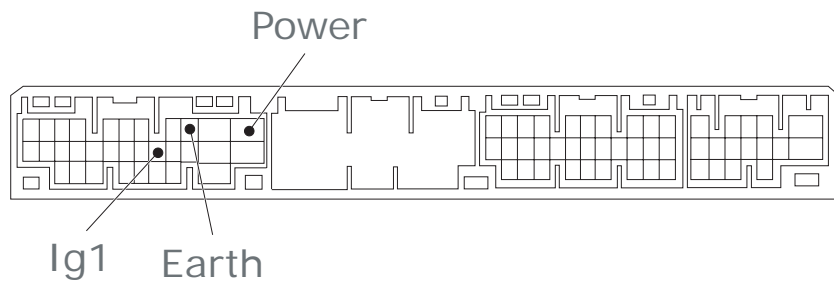


GH2

32p

31p

16p



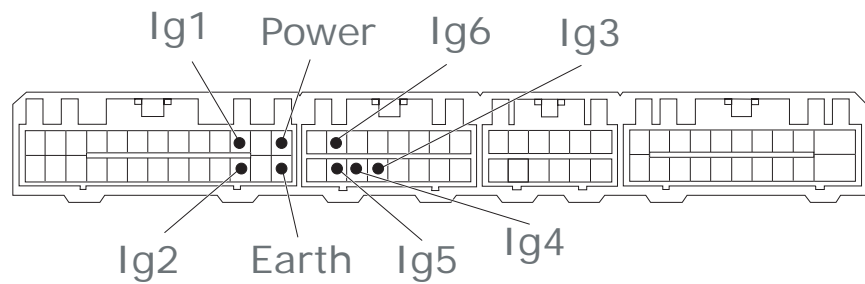
GH3

26p

16p

12p

22p



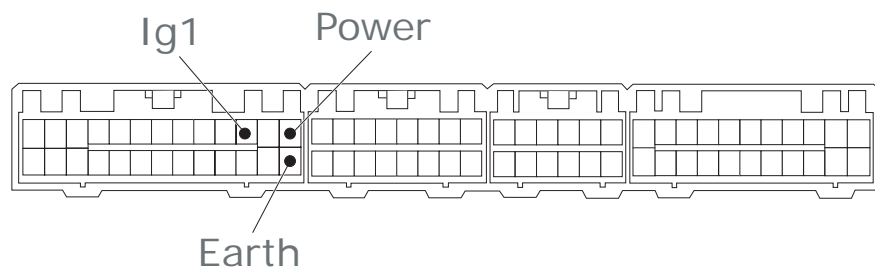
GH4

26p

16p

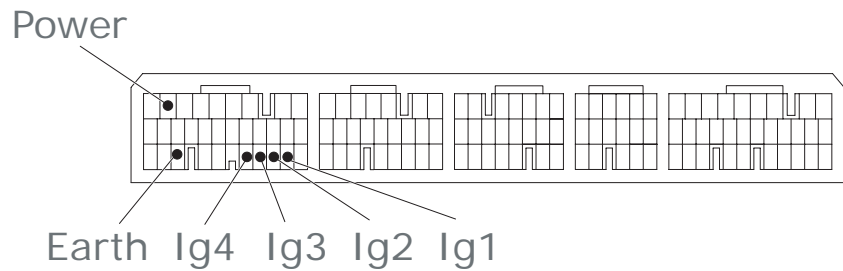
12p

22p



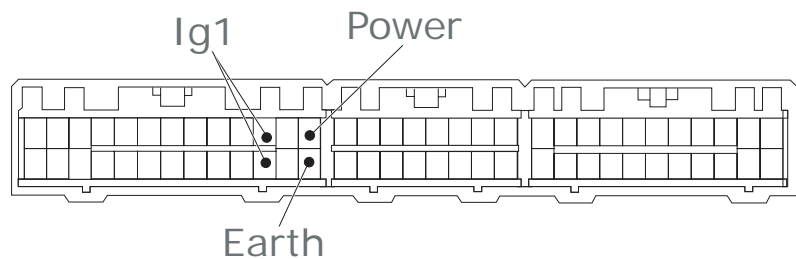
GH5

31p 24p 22p 17p 31p



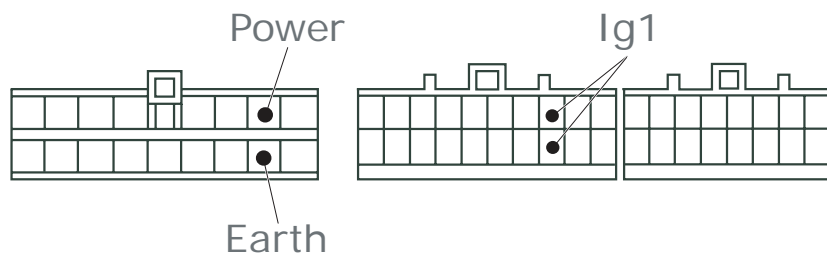
GH6

26p 16p 22p



GH7

18p 20p 16p



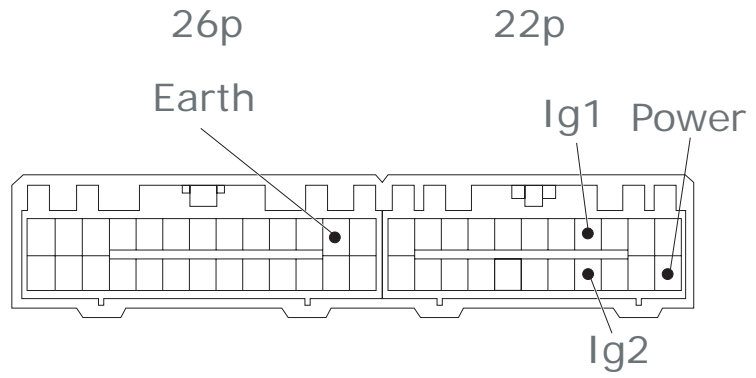
Caution: GH6 GH7

Cut the igniter wires illustrated in the diagram. Join both the cut ECU side wires to the Green wire on the Launch Interface. Join the remaining two engine side cut wires to the Yellow wire on the Launch Interface.

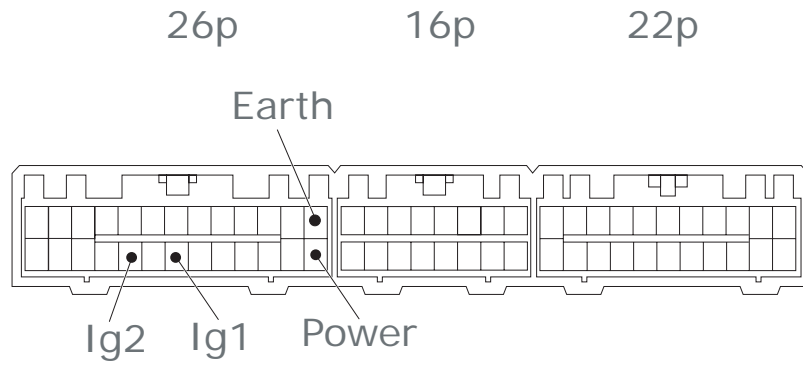
ECU Digram for MAZDA

Model	Chassis	Engine	Year	Notes	Diagram
ROADSTER	NB8C	BP-ZE	97.12~00.6		GZ3
	NB6C	B6-ZE	97.12~00.6		GZ3
	NA8C	BP-ZE	95.8~97.11		GZ2
		BP-ZE	93.8~95.7		GZ1
	NA6CE	H6-ZE	89.9~93.7		GZ1
FAMILIA	BG8Z	BP-ZET	89.8~94.3		GZ1

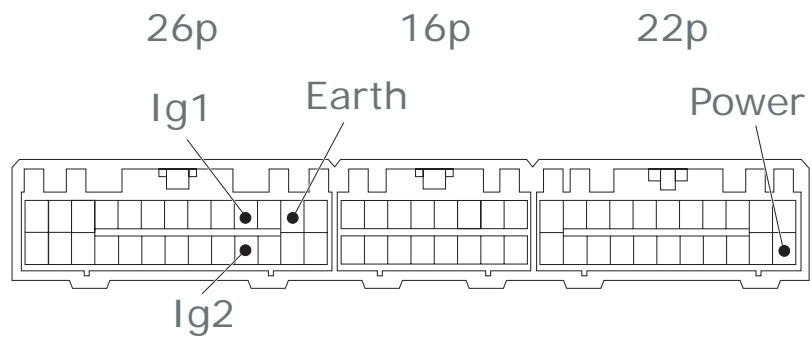
GZ1



GZ2



GZ3



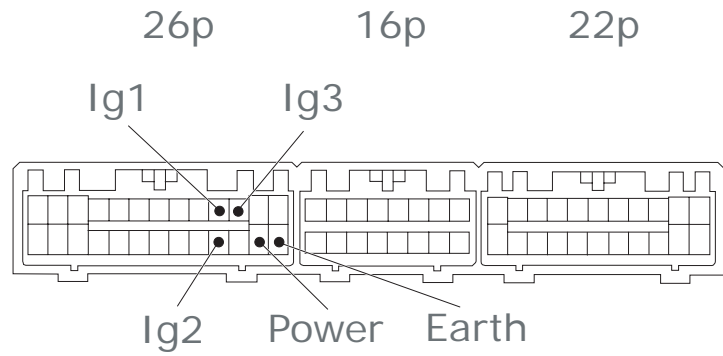
ECU Digram for MITSUBISHI

Model	Chassis	Engine	Year	Notes	Diagram
LANCER	CT9A	4G63	05.3~		GM6
	CT9A	4G63	03.1~05.2		
	CT9A	4G63	01.2~02.1		GM4
	CP9A	4G63	98.1~01.1		
	CN9A	4G63	96.8~97.12		
	CE9A	4G63	93.12~96.7		GM2
	CD9A	4G63	92.10~93.11		
	CK4A	4G92	95.10~00.10	MIVEC	GM4
	CM5A	4G93			
	CD5A			91.10~95.9	GM2
GTO	Z16A	6G72	90.10~99.8		GM1
FTO	DE3A	6A12	97.2~00.7	M/T	GM1
			96.2~97.11		GM3
			94.10~96.1	MIVEC	GM1
	DE2A	4G93	96.2~97.2	MIVEC	GM4
			94.10~96.1		GM5
LEGNUM	EC5W	6A13	96.8~02.7		GM3
GALLANT	EC5A	6A13	96.8~00.5		GM3
	E84A	6A12	92.5~96.7		GM1
	E39A	4G63	87.10~92.4		GM7
Libero	CD5W	4G93	92.5~00.5		GM2
Mirage	CM5A	4G93	95.10~00.5		GM4
	CJ4A	4G92		MIVEC	
	CA4A			91.10~95.9	MIVEC

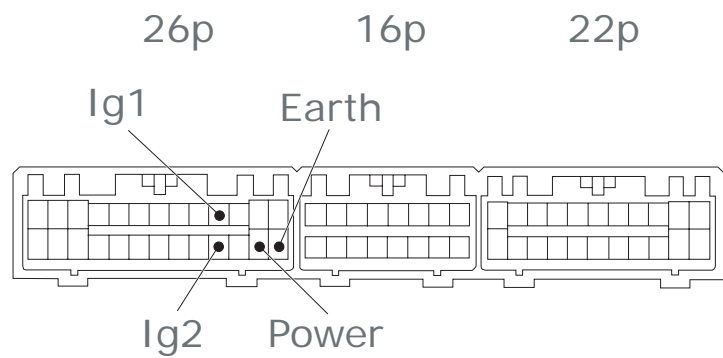
ECU Digram for MITSUBISHI

Model	Chassis	Engine	Year	Notes	Diagram
DIAMANTE	F36A	6G72	96.1~97.7	MIVEC	GM3
			95.1~95.12	MIVEC	
	F17A		90.5~94.12		GM1
ASPIRE	EA1A	4G93	98.8~00.4		GM4
	EC1A				
ECLIPSE	D32A	4G63	95.9~99.8		GM4
	D33A				
	D39A			4G64	
	D22A	4G63	89.7~91.10		GM2
	D27A		91.10~95.9		
	D53	6G72	01.2~05.9	M/T	GM8
	D53	6G72		A/T	GM9

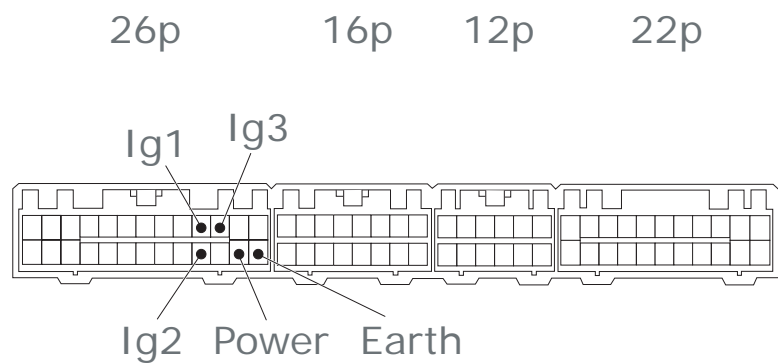
GM1



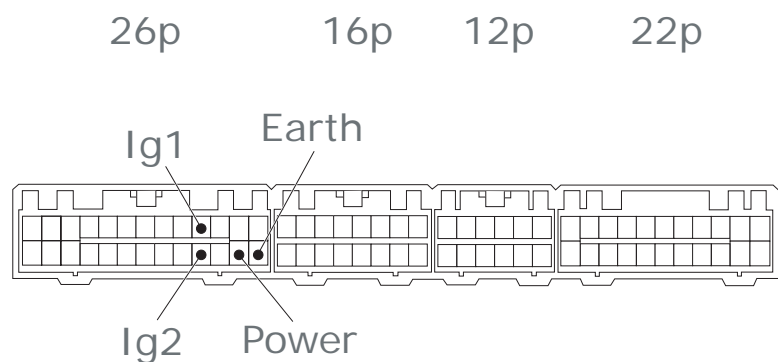
GM2



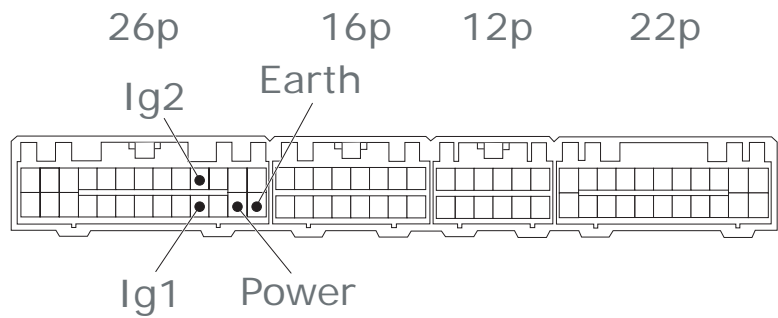
GM3



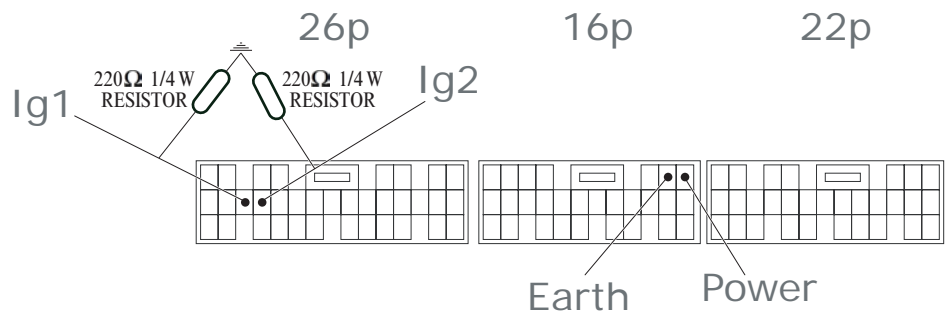
GM4



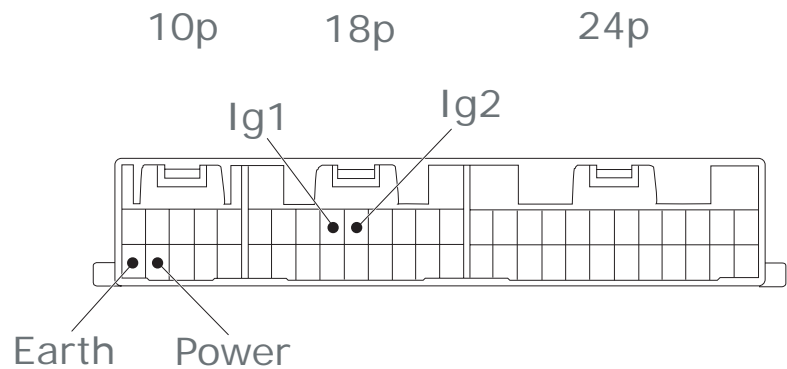
GM5



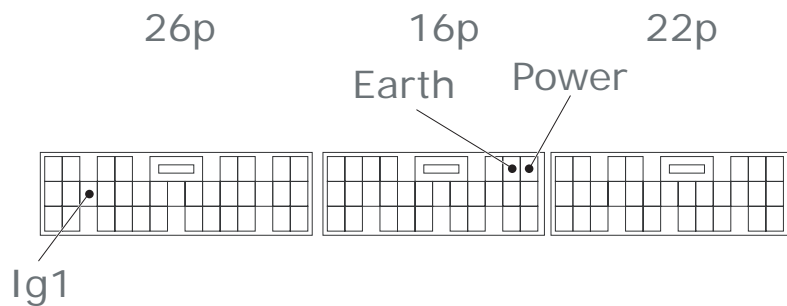
GM6



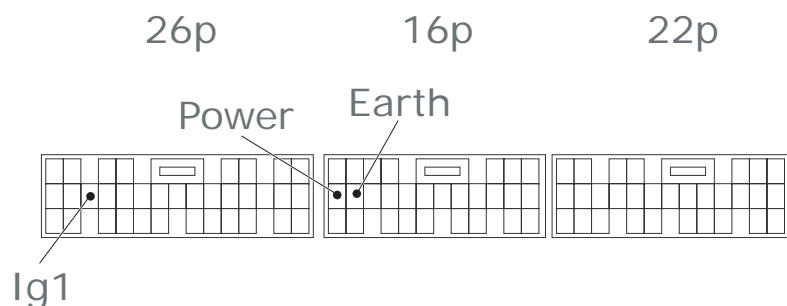
GM7



GM8



GM9

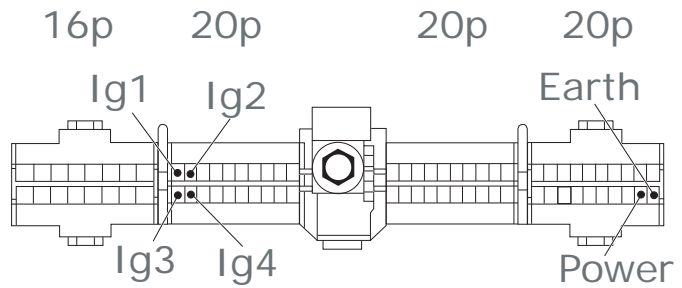


ECU Digram for NISSAN

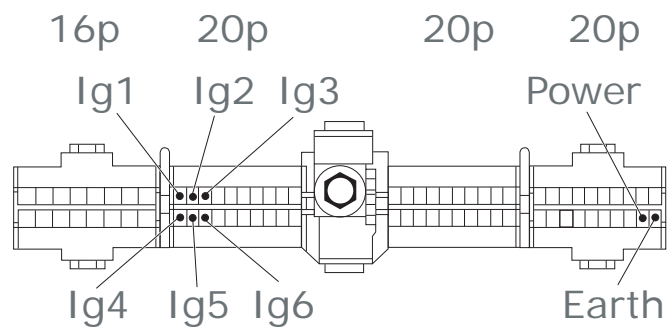
Model	Chassis	Engine	Year	Notes	Diagram
SKYKINE	BNR34	RB26DETT	99.1~01.4		GN3
	ER34	RB25DET	98.5~01.5		GN7
	BCNR33	RB26DETT	95.1~98.12		GN3
	R33	RB25DET	95.1~98.4		GN3
		RB25DE	93.8~94.12		
	BNR32	RB26DETT	89.8~94.12		GN3
HCR32	RB20DET	88.5~93.7		GN3	
G35	CPV35	VQ35DE	03.2~		GN8
350Z	Z33	VQ35DE	02.7~		GN8
300ZX	Z32	VG30GETT	89.7~02.6		GN2
		VG30DET			
STAGEA	WGNC34	RB26DETT	97.11~99.8		GN3
	WC34	RB25DET	96.9~01.2		GN7
LAUREL	C35	RB25DET	97.6~99.8		GN7
	C34	RB25DET	94.9~97.5		GN3
			93.1~94.8		
	C33	RB20DET	91.1~92.12		GN3
88.12~90.12					
CEFIRO	A31	RB20DET	90.8~94.8		GN3
			88.9~90.7		
SILVIA	S15	SR20DET	99.1~02.1		GN5
		SR20DE			GN4
	S14	SR20DET	96.6~98.12		GN5
			93.10~96.5		GN1
		SR20DE	93.10~98.12		GN4

Model	Chassis	Engine	Year	Notes	Diagram
SILVIA	PS13	SR20DET	91.1~93.9		GN6
		SR20DE			GN4
	S13	CA18DET	88.5~90.12		GN8
180SX	RPS13	SR20DET	96.8~99.1		GN5
			91.1~93.9		GN6
	PS13	CA18DET	89.3~90.12		GN8
240SX	S14	KA24DE	96.8~98.7		GN10
			95.8~96.7		
PULSAR	RNN14	SR20DET	90.8~94.12		GN4
PRIMERA	PNW10	SR20DET	95.8~98.7		GN4
	W10	SR18DE	90.5~98.7		GN4
			93.1~98.7		

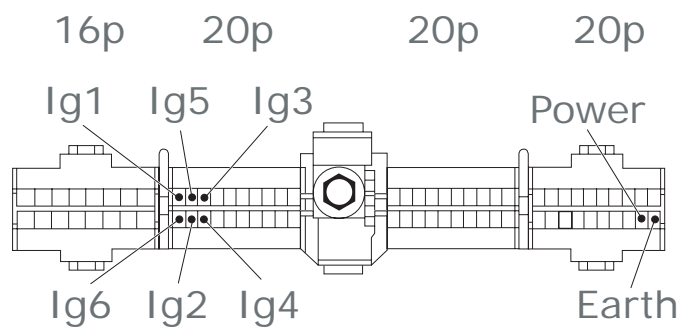
GN1



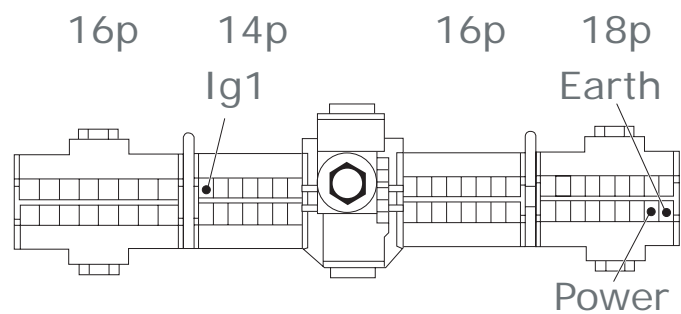
GN2



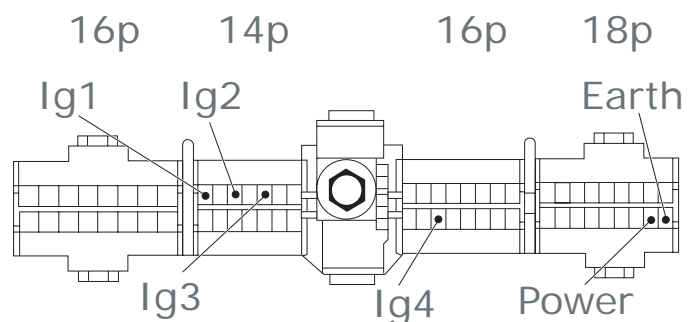
GN3



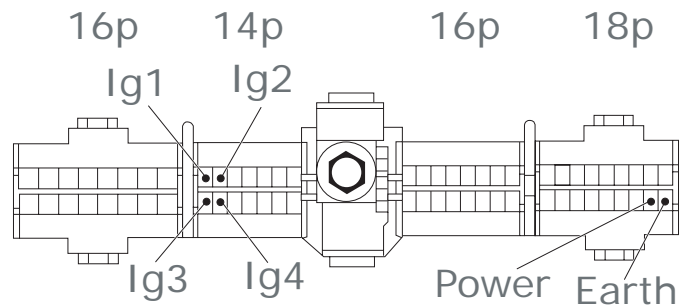
GN4



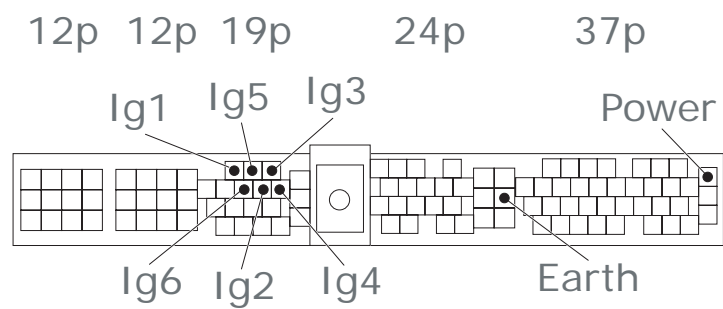
GN5



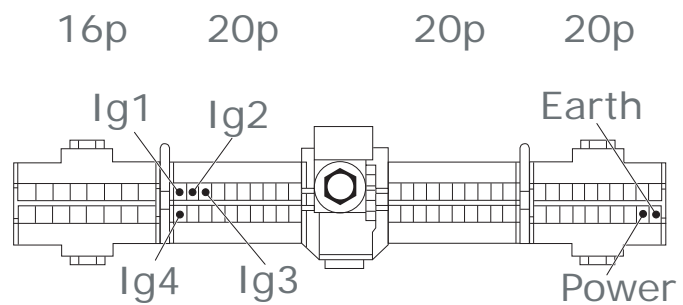
GN6



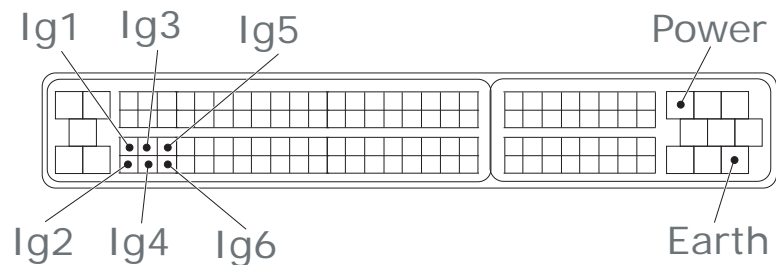
GN7



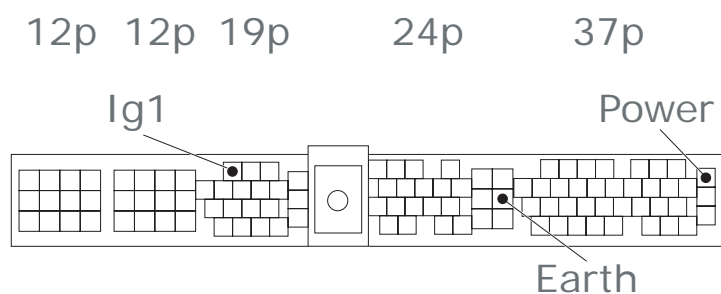
GN8



GN9



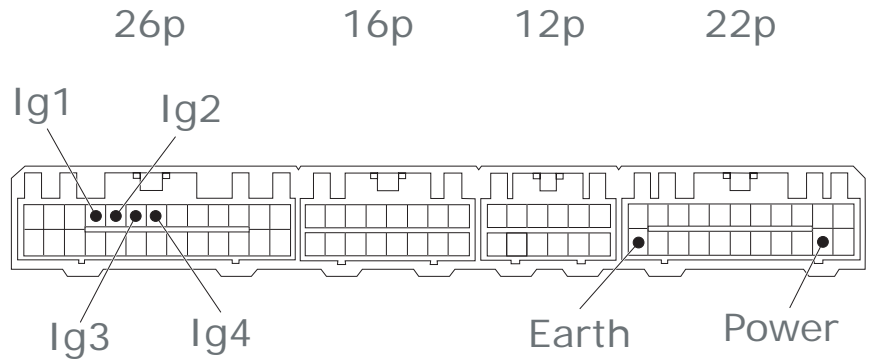
GN10



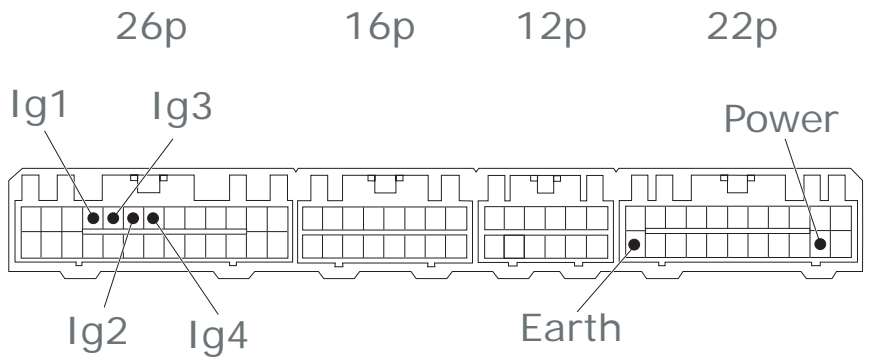
ECU Digram for SUBARU

Model	Chassis	Engine	Year	Notes	Diagram
LEGACY	BH5	EJ20	98.6~		GS6
	BE5		98.6~		GS6
	BD5/BG5	EJ20	96.6~98.5	M / T	GS4
			93.10~96.5		GS2
	BC5	EJ20	89.2~93.9		GS1
	BF5		89.2~93.9		GS1
IMPREZA	GDFC	EJ25	03.1~		GS8
	GDB	EJ207	00.7~04.5		GS7
	GDA	EJ205	00.8~04.5		GS7
	GC8/GF8	EJ20	98.9~00.8		GS5
			96.9~98.8		GS3
			92.11~96.8		GS2
FORESTER	SF5	EJ20	98.9~		GS4

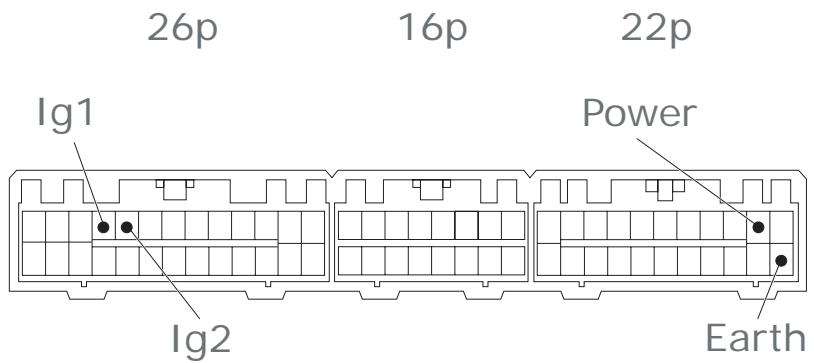
GS1



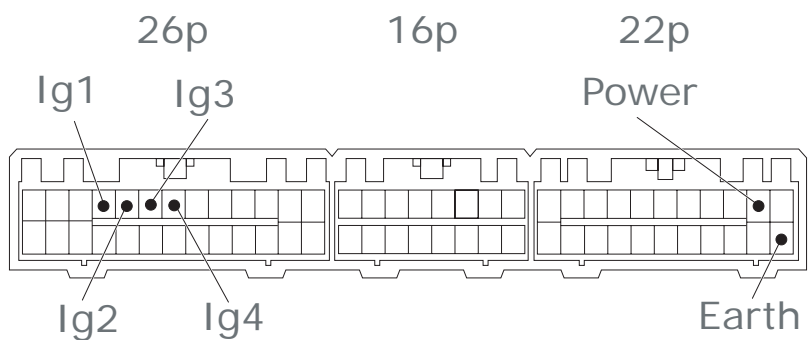
GS2



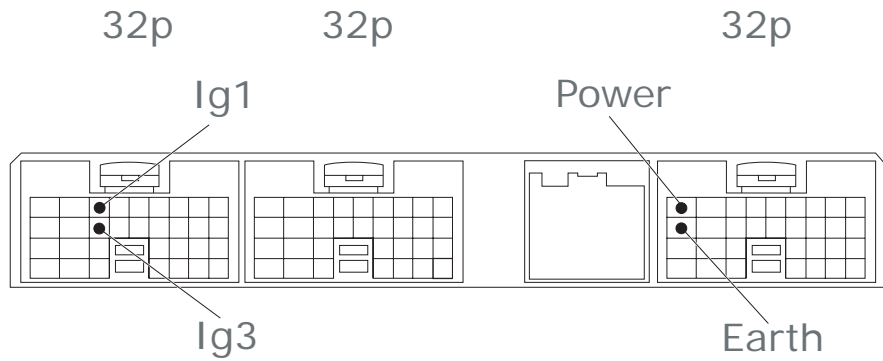
GS3



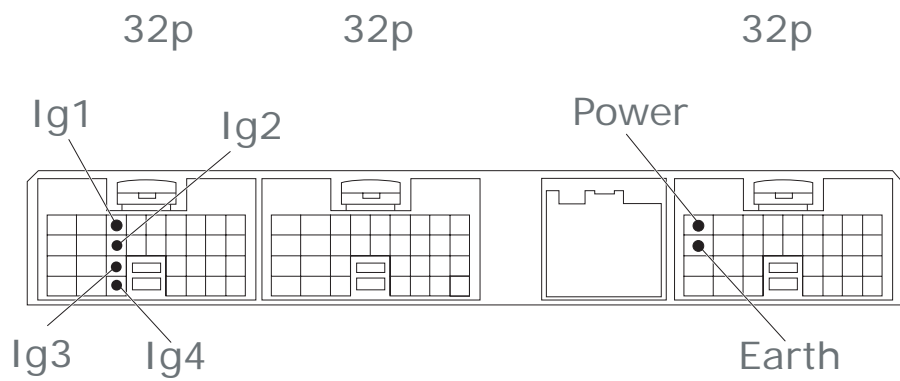
GS4



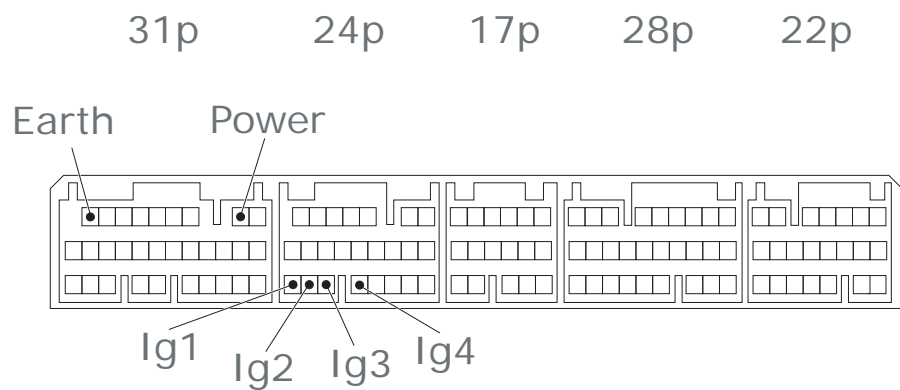
GS5



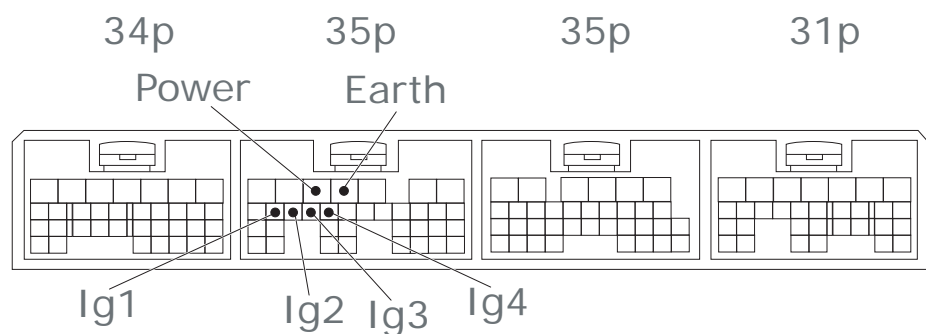
GS6



GS7



GS8



About The Warranty

Gizzmo Electronics Limited
Limited Warranties Statement
Effective 1 January 2003

All Products manufactured or distributed by Gizzmo Electronics are subject to the following Limited Express Warranties, and no others:

For a period of one year from and after the date of purchase of a new Gizzmo Electronics product, Gizzmo Electronics warranties and guarantees only to the original purchase/user that such a product will be free from defects of material and workmanship in the manufacturing process. Gizzmo Electronics, at its sole option, shall replace the defective product. This express warranty shall be inapplicable to any product not properly installed and properly used by the purchaser/user or to any product damaged or impaired by external forces. This is the extent of Warranties available on this product. Gizzmo Electronics shall have no liability whatsoever for consequential damages following from the use of any defective product or by reason of the failure of any product. Gizzmo Electronics specifically disclaims and disavows all other warranties, express or implied including, without limitation, all Warranties of fitness for a particular purpose, Warranties of Description, Warranties of Merchantability, Trade Usage or Warranties of Trade Usage. The above warranty is valid in New Zealand, Australia and the Americas only as Gizzmo Electronics does not offer an international warranty outside of these regions.