

Dual Stage Shift Light

GIZZMO ELECTRONICS

Thank you for purchasing the Gizzmo Dual Stage Shift Light. 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

Gizzmo Electronics Ltd Warranties Statement

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 purchaser/user that such a product will be free from defects of material and workmanship in the manufacturing process. A product claimed to be defective must be returned to place of purchase. Gizzmo Electronics, at its sole option, shall replace the defective product with a comparable new product or repair 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 to New Zealand only as Gizzmo Electronics does not offer an international warranty.

Gizzmo Dual Stage Shiftlight

Warnings:

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

Operating Instructions

Shift Set (rear button)

The shift set button sets the rpm at which the shiftlight will illuminate. At this point the outer ring of red LED's will illuminate. Usually this is the point that the gear should be changed. The shift or red LED's should have the higher setting of the two lights.

To set the shiftlight:

1. Start the vehicle
2. While out of gear bring the rpm to half the desired gear change rpm. Eg. If changing at 6000rpm bring revs up to 3000rpm
3. Press the rear shift set button, the red LED's will flash when set
4. The shift lamp is now set.

Shift Set Button

Pre Shift Set Button



Pre-shift Set (front button)

The pre-shift set button sets the rpm at which the pre-shift light will illuminate. At this point the center yellow LED will illuminate. This point is where you would usually get ready to change gear. The pre-shift or yellow LED should be set lower than the shift point.

To set the pre-shiftlight:

1. Start the vehicle
2. While out of gear bring the rpm to half the desired pre-shift rpm. eg. If pre-shift at 5800rpm bring revs up to 2900rpm
3. Press the front pre-shift set button, the center yellow LED will flash when set.
4. The pre-shiftlight is now set.

Installation Instructions

RED WIRE - Positive 12v computer terminal

BLUE WIRE - Negative computer terminal

YELLOW/GREEN WIRE - Connect onto the tacho signal / ignition coil negative wire.

Once installed, when ignition is switched on the unit will flash several times indicating that it is receiving power.

NOTE: The following ECU wiring information is to be used as a guideline only. On various makes and models ECU pin outs may differ from those illustrated. Please have the installation carried out by a professional auto electrician.

Troubleshooting Guide

- Shiftlight does not flash when ignition switched on.
Faulty power or earth supply, check the power and earth connections and make sure that they are clean and secured to the correct position.
- Shiftlight does not respond to buttons being pressed.
The engine must be running in order to set the pre-shift and shift points on the shiftlight. The unit requires an input signal (tachometer, coil negative, crank angle sensor) if there is no input signal the unit will not respond when buttons pressed.
- Set shiftlight but not working when revved.
Note that the shiftlight is to be set at half the desired rpm that it is required to illuminate at.
Refer to operating instructions.
- Shiftlight flashes erratically and or at wrong time.
Unit is receiving excessive ignition noise, try a different 12v ignition source, or consult an auto electrician.
- Shiftlamp flashes red on preshift and illuminates solidly on shift.
Check that the shift point is in fact set higher than the pre-shift point.

Should you be experiencing problems outside of the ones listed above, please check our website. Failing this, please email us from our website or call to speak to one of our in house technicians.

Vehicle Diagram Reference

HONDA	Vehicle Type	Model Type	Engine Type	Year	Wiring Diagram
	Prelude	BB6	H22A	1996 -	GH - 3
		BB8			
		BB4			
	Accord	CF3	F18B	1997 -	GH - 2
		CF4	F20B		
		CD5	F22B	1993 - 97	GH - 4
		CD6	H22A		
	Integra	DC2	B18C	1995 -	M/T GH - 3
		DB8		1993 - 95	M/T GH - 2
		DA6	B16A	1989 - 93	GH - 1
	Civic	EK9	B16B	1989 -	GH-4
		EK4	B16A		
		EK3	D15B		
		EK9	B16B	1997 - 98	GH - 3
		EK4	B16A	1995 - 98	
		EK3	D15B	1991 - 95	GH - 2
		EG6	B16A		
		EG4	D15B		
		CR-X	EF9	B16A	1989 - 91
	EG2		B16A	1992 - 95	GH - 2
	EG1		D15B		
Odyssey	EF8	B16A	1989 - 92	GH - 1	
	RA3	F23A	1997-	GH - 4	
	RA4				
	RA5	J30A	1994 - 97	GH - 3	
	RA1	F22B		GH - 2	
RA2					
MAZDA	Familia	BG8Z	BP-ZET	1989 - 94	GMA - 1
	RX-7	FD3C	13BTT	1991 - 97	GMA - 2
MITSUBISHI	Diamante	F36A	6G72	1995 -	GM - 3
		F17A		1990 - 94	GM - 2
	GTO	Z16A	6G72	1990 -	
	FTO	DE3A	6A12	1994 -	GM - 3
				1996 -	
				1994 - 96	
		DE2A	4G93		GM - 3
	Legnum	EC5W	6A13	1996 -	
	Galant	EC5A	6A13	1996 -	
		E84A	6A12	1992 - 96	GM - 2
		E39A	4G63	1987 - 92	GM - 1
	Eclipse	D32A	4G63	1995 -	GM - 3
		D27A		1989 - 95	GM - 1
	Lancer	CK4A	4G92	1995 -	GM - 3
		CM5A	4G93		
		CD5A	4G63	1991 - 95	GM - 2
		CP9A		1999 -	GM - 3
		1998 -			
		CN9A		1996 - 97	
		CE9A		1993 - 96	GM - 2
	CD9A		1992 - 93		
Libero	CD5W	4G93	1992 -		

Vehicle Diagram Reference

MITSUBISHI	Vehicle Type	Model Type	Engine Type	Year	Wiring Diagram
	Lancer	CE9A	4G63	1996 - 97	GM - 3
		CD9A		1993 - 96	GM - 2
				1992 - 93	
	Libero	CD5W	4G93	1992 -	GM - 3
	Mirage	CM5A	4G93	1995 -	
		CJ4A	4G92	1991 - 95	
	CA4A	GM - 2			
	Pajero	V25W	6G74	1993 -	GM - 2
		V23W	6G72	1991 -	
	RVR	N74W	4G64	1997 -	GM - 3
		N73W	4G63		M/T GM - 3
		N71W	4G93		GM - 3
		N61W			
		N23W	4G63		1992 - 97
	NISSAN	President	G50	VH45DE	1990 -
Infinity Q45		G50	VH45DE	1989 - 97	
Cinma III		FGY33	VH41DE	1996 - 98	GN - 6
		FHY33	VQ30DET		GN - 5
Cinma II		FGY32	VH41DE	1991 - 96	GN - 4
		FPY32	VG30DET	1993 - 96	
Cinma I		FPY31	VG30DET	1989 - 91	GN - 4
		FPY31	VG30DE		
		FPY31	VG30DET	1988 - 89	GN - 1
		FPY31	VG30DE		
		FPY31	VG30DE		
Fairlady Z		Z32	VG30DETT	1989 -	GN - 4
			VG30DE		
Leopard		Y33	VQ30DET	1996 -	GN - 5
			VQ30DE		
		UF31	VG30DET	1988 - 92	GN - 4
			VG30DE		
			GF31		
Leopard J		JGBY32	VH41DE	1992 - 96	GN - 4
Leopard J		JPY32	VG30DE	1992 - 96	GN - 4
Cedric Gloria	Y33	VQ30DET	1995 -	GN - 5	
		VQ30DE			
	Y32	VG30DET	1991 - 95	GN - 4	
		VG30DE			
Y31	VG20DET	1989 - 91			
	VG20E				

Vehicle Diagram Reference

NISSAN	Vehicle Type	Model Type	Engine Type	Year	Wiring Diagram		
	Cefiro	A32	VQ30DE	1997 -	GN - 6		
			VQ25DE				
			VQ20DE				
					VQ30DE	1994 - 96	GN - 4
					VQ25DE		
					VQ20DE		
			A31		RB20DET	1988 - 94	
					RB25DE	1992 - 94	
					RB20DE	1988 - 94	
	Cefiro Wagon	W#A32		VQ30DE	1997 -	GN - 6	
				VQ25DE			
				VQ20DE			
	Laurel	C35		RB25DET	1997 -	GN - 6	
				RB25DE			
				RB20DE			
			C34		RB25DET	1994 - 97	GN - 4
					RB25DE	1993 - 97	
					RB20DE		
			C33		RB20DET	1989 - 92	
					RB20DE		
		Skyline	R34		RB26DETT	1999	GN - 6
RB25DE	1998						
R33				RB26DETT	1995	GN - 4	
				RB25DET	1996 - 98		
				RB25DE			
				RB25DET	1993 - 95		
R32				RB25DE			
				RB25DE			
				RB20DET	1989 - 93		
				RB20DE	1989 - 93		
R31			RB20ET	1987 - 89			
Stagea	W#C34		RB25DET	1996 -	GN - 6		
			RB25DE				
Stagea Autech Ver. Blue Bird	WGNC34		RB26DETT	1997 -	GN - 4		
			U14	SR20VE	1997 -	GN - 2	
				SR20DE	1996 -		
				SR18DE			
	U13			SR20DET	1991 - 95		
			SR20DE				

Vehicle Diagram Reference

Nissan	Vehicle Type	Model Type	Engine Type	Year	Wiring Diagram	
	Blue Bird	U12	SR20DET	1989 - 91	GN - 2	
			SR20DE			
				CA18DET	1987 - 89	GN - 4
				CA18DE		
	Silvia	S15	SR20DET	1999 -	GN - 2	
		S14	SR20DET	1996 - 98		
			SR20DET	1993 - 96	GN - 4	
			SR20DE	1993 -	GN - 2	
		PS13	SR20DET	1991 - 93	GN - 3	
			SR20DE		GN - 2	
		S13	CA18DET	1988 - 91	GN - 4	
			CA18DE			
	180SX	RPS13	SR20DET	1996 - 98	GN - 2	
			SR20DE	1991 - 96	GN - 3	
			SR20DET			
	Pulsar	N15	SR16VE	1997 -	GN - 2	
			SR18DE	1995 -		
		N14	SR20DET	1990 - 94		
			SR18DE			
	Primera	P11	SR20VE	1997 -	GN - 2	
SR20DE			1995			
SR18DE						
P10		SR20DE	1990 - 95			
		SR18DE	1992 - 95			
Primera Wagon	W#P11	SR20VE	1997 -			
		SR20DE				
		SR18DE				
SUBARU	Legacy	BH5	EJ208	1998 -	GS - 5	
			EJ206			
		BD5 BG5	EJ20R	1996 - 98	GS - 2	
			EJ20H			
			EJ20D			
			EJ20H		1993 - 96	GS - 4
			EJ20D			
			EJ20H			GS - 3
			EJ20D			GS - 1
		BD9	EJ25D	1996 - 98	GS - 3	
		BG9		1994 - 96	GS - 1	
		BC5	EJ20G	1989 - 93	GS - 2	
		BF5				
	Impreza	GC8	EJ207	1998 -	GS - 5	
		GF8	EJ205	1996 - 98	GS - 2	
		GC8	EJ20K			
		GF8				
		GC8	EJ20G	1992 - 96	GS - 3	
		GF8		1996 - 98	GS - 2	
		1993 - 96		GS - 3		
Forester	SF5	EJ205	1998 -	GS - 5		

Vehicle Diagram Reference

TOYOTA	Vehicle Type	Model Type	Engine Type	Year	Wiring Diagram	
	Crown Majesta	UZS141	1UZ - FE	1991 - 95	GT - 7	
	Aristo	JZS161	2JZ - GTE	1997 -	N/A	
		JZS160	2JZ - GE			
		JZS 147	2JZ - GTE	1991 - 97	GT - 7	
			2JZ - GE			
		UZS143	1UZ - FE	1992 - 97	GT - 7	
	Soarer	JZZ30	1JZ - GTE	1996 -	GT - 9	
					1991 - 96	GT - 8
		JZZ31	2JZ - GE	1994 - 96		
		UZZ31	1UZ - FE	1991 - 93	GT - 7	
		MZ20	7M - GTE	1988 - 91	GT - 5	
				1986 - 87	GT - 2	
		GZ20	1G - GTE	1988 - 91	GT - 5	
					1986 - 87	GT - 2
			1G - GE	1989 - 91	GT - 5	
			1986 - 88	GT - 2		
	Supra	JZA80	2JZ - GTE	1997 -	N/A	
				2JZ - GE	1993 - 97	GT - 7
		JZA70	1JZ - GTE	1990 - 93	GT - 6	
		MA70	7M - GTE	1988 - 90	GT - 5	
					1986 - 88	GT - 2
				1988	GT - 5	
		GA70	1G - GTE	1988 - 93		
					1986 - 88	GT - 2
			1G - GE	1988 - 93	GT - 5	
			1986 - 88	GT - 2		
	Mark II Cresta Chaser	JZX100	1JZ - GTE	1996 -		
		JZX90			1994 - 96	N/A
					1992 - 94	
		JZX91	2JZ - GE	1992 - 94		
		JZX81	1JZ - GTE	1990 - 92	GT - 6	
			1JZ - GE			
	GX81	1G - GTE	1988 - 92	GT - 5		
			1G - GE	1988 - 92		
	MR2	SW20 III ~ V	3S - GTE	1993 -	GT - 6	
		SW20 III , IV	3S - GE	1993 - 97	GT - 5	
		SW20 I , II	3G - GTE	1989 - 93		
			3G - GE			
	AW 11	4A - GZE	1986 - 89	GT - 1		
			4A - GE		1984 - 89	
	Celica	ST205	3S - GTE	1994 -	GT - 5	
		ST202 ST203	3S - GE	1993 - 97	GT - 6	
				3S - FE	1996 -	
				1995 - 96		
				1993 - 95	GT - 5	
		ST185	3S - GTE	1991 - 93		
				1989 - 91		
	ST182	3S - GE	1989 - 93			
	ST165	3S - GTE	1985 - 89	GT - 1		

Vehicle Diagram Reference

TOYOTA	Vehicle Type	Model Type	Engine Type	Year	Wiring Diagram
	Curren	ST206	3S - FE	1996 - 98	M/T GT - 4
		ST207		1995 - 96	GT - 6
				1994 - 95	
	Carina Ed Corona Exiv	ST202	3S - GE	1993 - 98	M/T 6 A/T 10
				ST203	
			3S - FE		1995 - 96
				1993 - 95	
	Caldina	ST215W	3S - GTE	1997 -	N/A
		ST215G	3S - FE		
		ST210G			
		ST195G	3S - GE	1995 - 97	GT - 6
		ST195G	3S - FE	1996 - 97	M/T 6
		ST191G		1992 - 94	M/T GT - 4 A/T GT - 5
		ST190G	4S - FE	1992 - 97	M/T GT - 4 A/T GT - 5
	Corolla	AE111	4A - GE	1995 -	GT - 5
			4A - FE		GT - 4
			5A - FE		
	Sprinter	AE101	4A - GE	1991 - 95	M/T GT - 4 A/T GT - 5
			4A - FE		
		AE92	4A - GE	1989 - 91	GT - 4
	Sprinter Trueno	AE101	4A - GE	1991 - 95	GT - 1
			5A - FE		GT - 5
			4A - FE		GT - 4
	Sprinter	AE101	4A - GZE	1991 - 95	M/T GT - 4 A/T GT - 5
			4A - FE		
		AE92	4A - GZE	1987 - 89	GT - 1
	Corolla Ceres Sprinter Marino	AE101	4A - GE	1992 - 95	M/T GT - 4 A/T GT - 5
4A - FE					
AE 101		4A - GE	1992 - 95	M/T GT - 4 A/T GT - 5	
Corolla FX	AE 92	4A - GE	1989 - 92	GT - 4	
		4A - FE			
	AE 92	4A - GE	1987 - 89	GT - 1	
Starlet	EP91	4E - FTE	1995 -	GT - 4	
		4E - FE		GT - 3	
	EP82	4E - FTE	1989 - 95	GT - 4	
		4E - FE	1992 - 95	GT - 3	
	EP 71	2E - TE	1986 - 89	GT - 1	
2E - E					
RAV 4	SXA 1# G	3S - FE	1997 -	M/T 6 A/T 10	
	SXA 11 W	3S - GE			
	SXA 10 W		1996 -	GT - 5	
	SXA 11 G	3S - FE	1995 - 97	M/T GT - 4 A/T GT - 5	

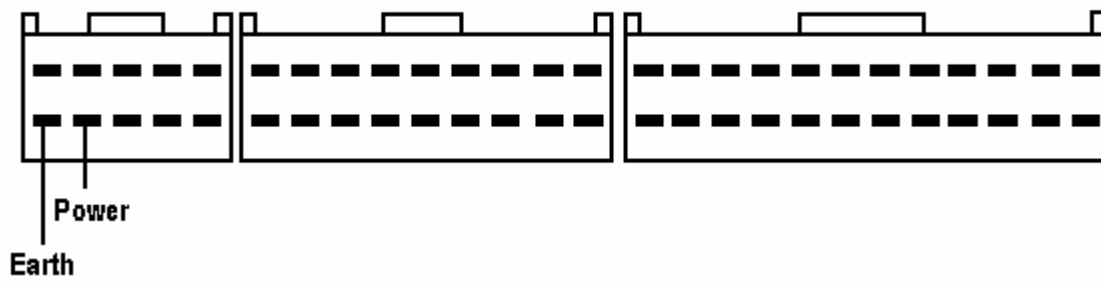
SXA 10 G

1994 - 97

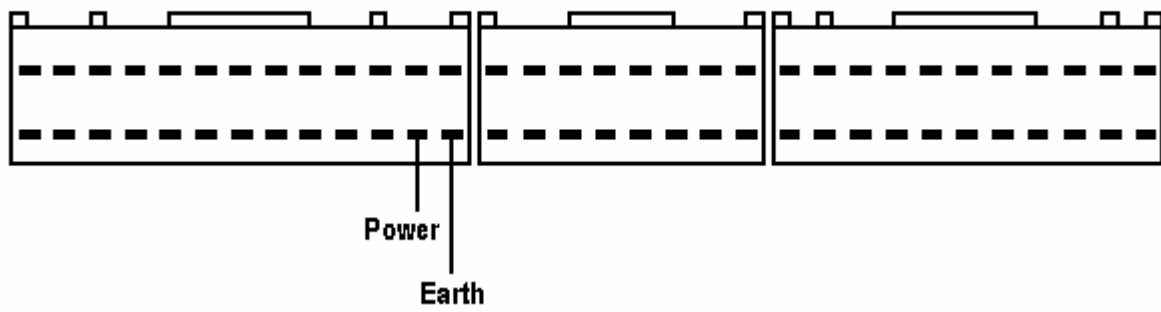
Vehicle Application Wiring Diagrams

MITSUBISHI

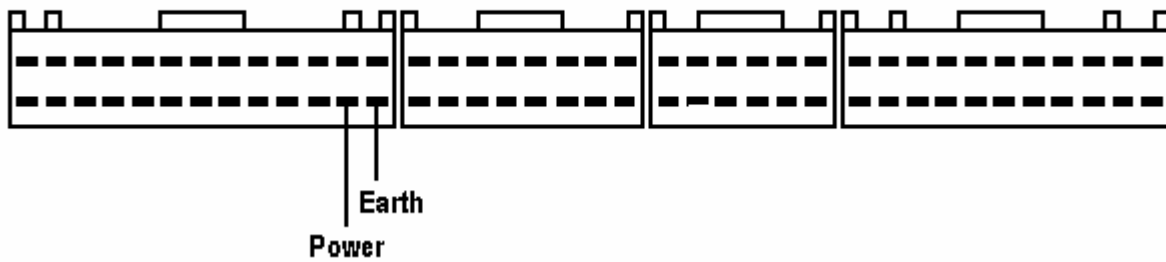
GM - 1



GM - 2

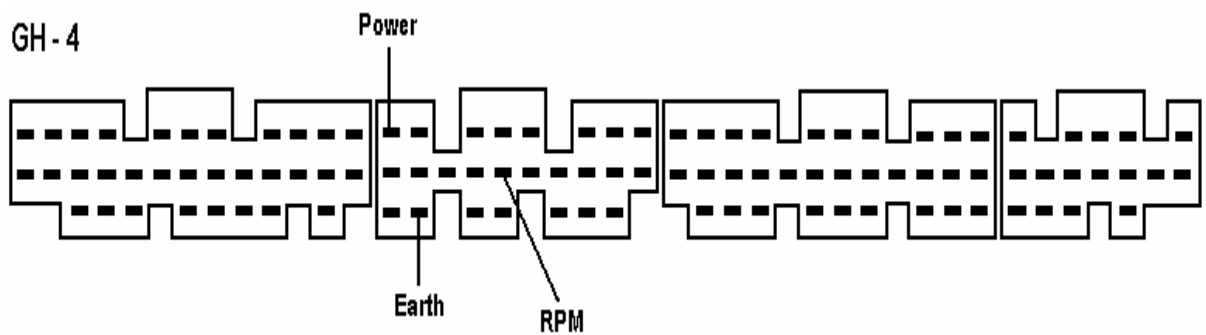
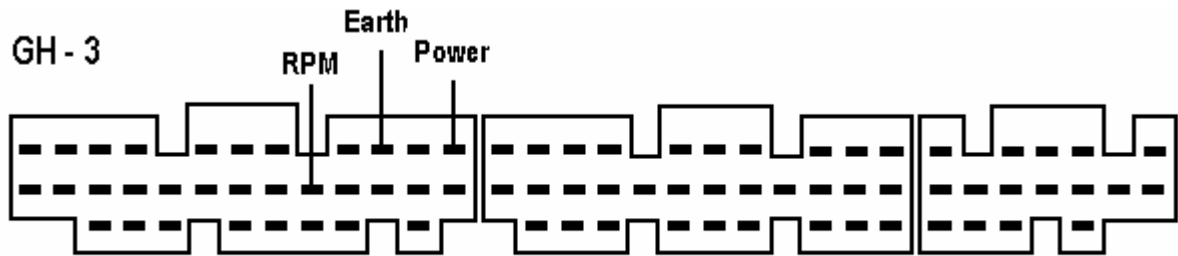
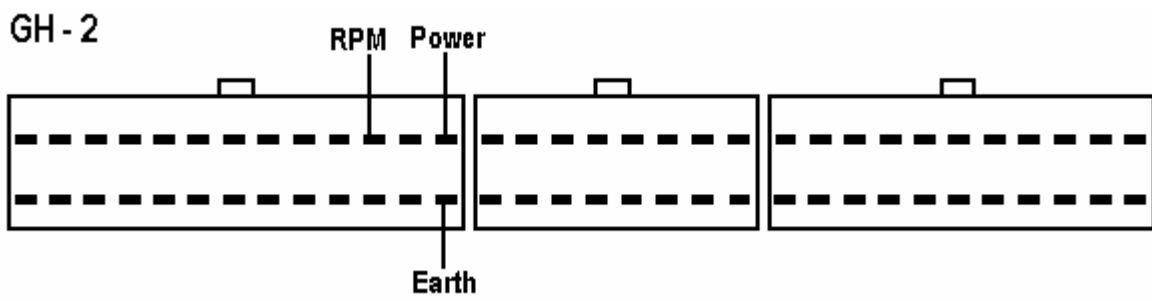
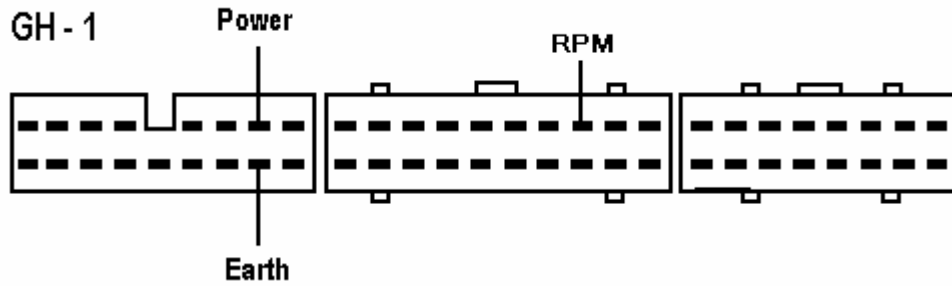


GM - 3



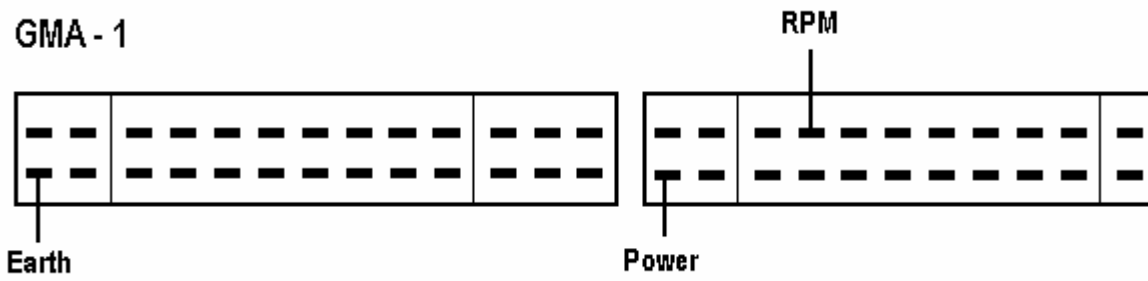
Note: Tacho Signal from back of dash or from coil negative.

HONDA

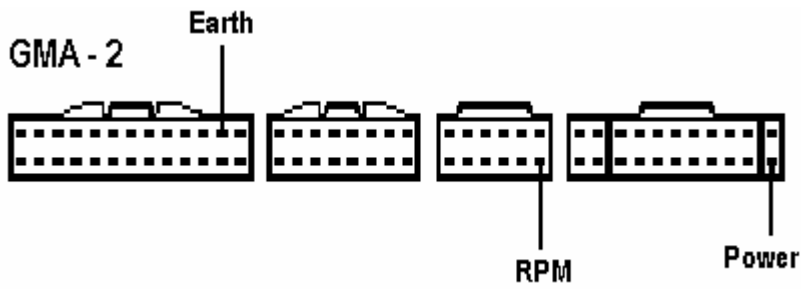


MAZDA

GMA - 1

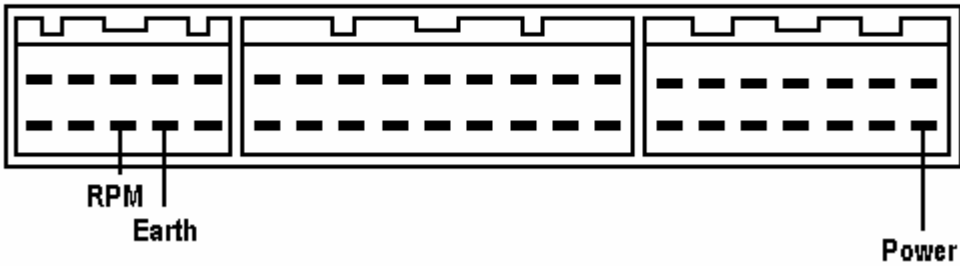


GMA - 2

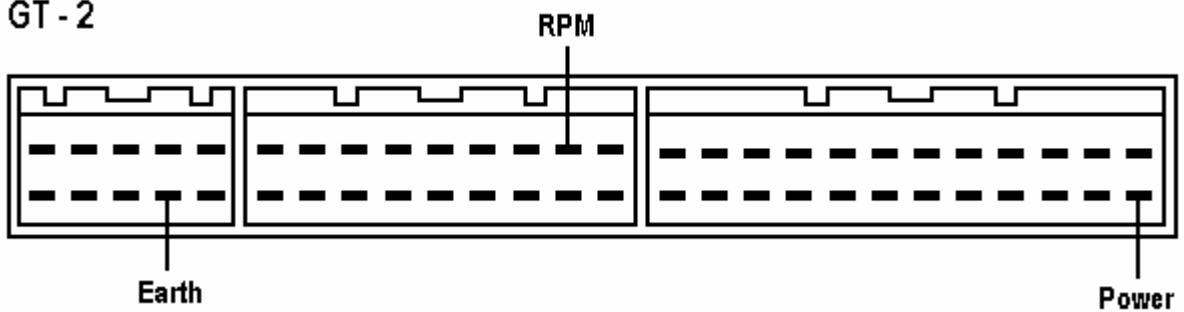


TOYOTA

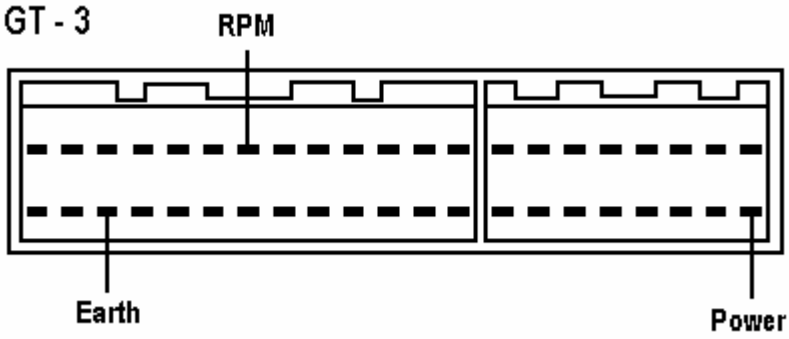
GT - 1



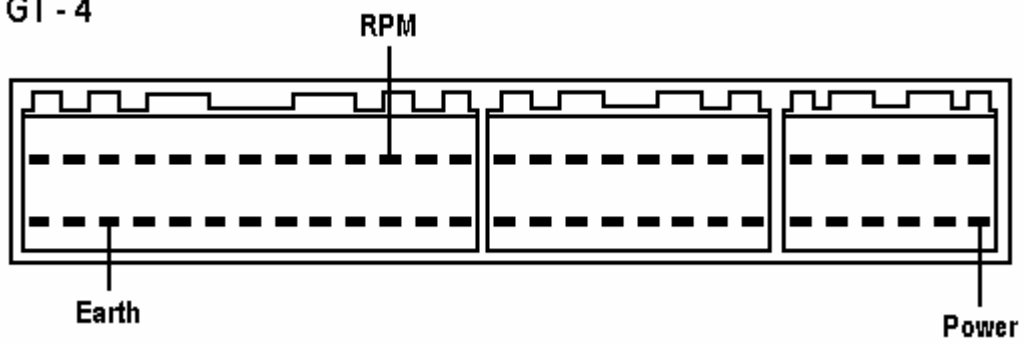
GT - 2



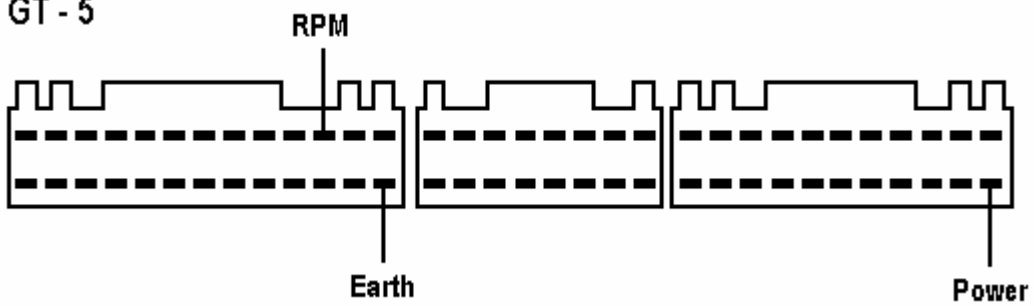
GT - 3



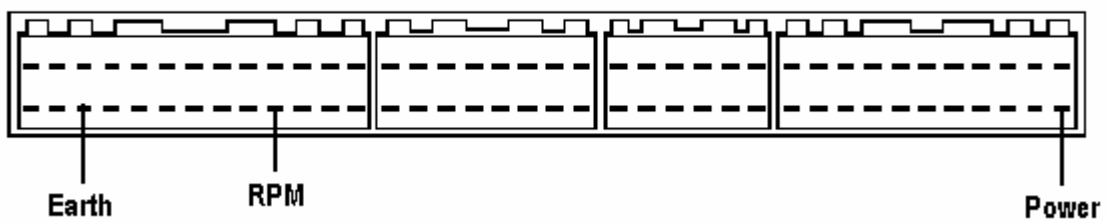
GT - 4



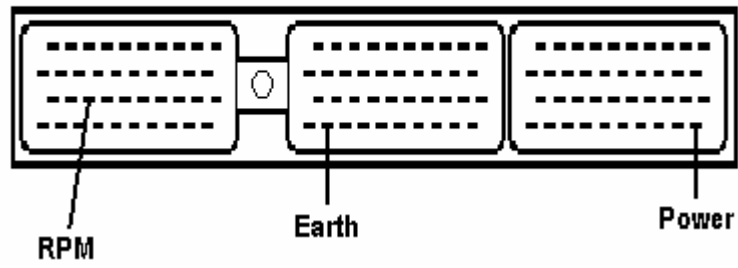
GT - 5



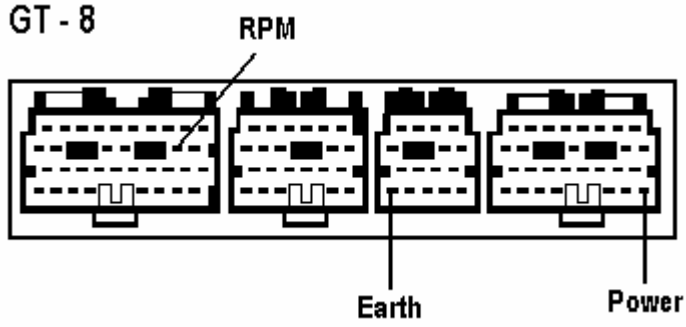
GT - 6



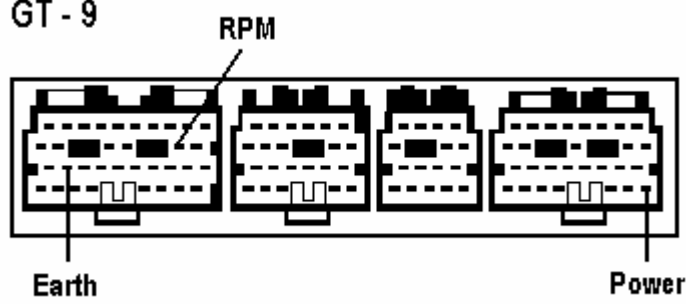
GT - 7



GT - 8

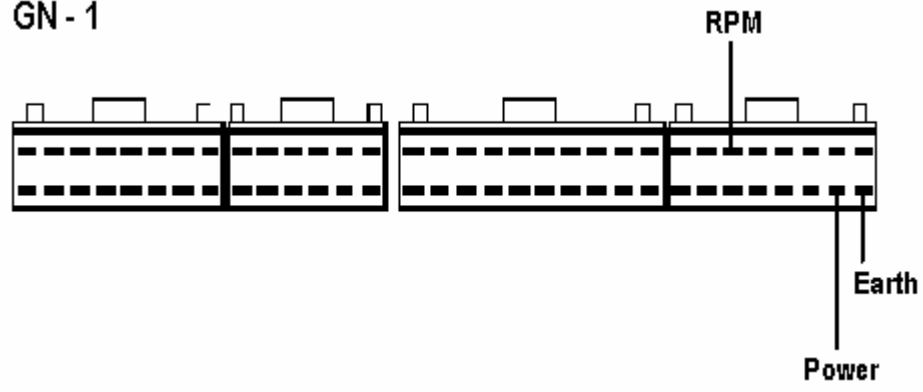


GT - 9

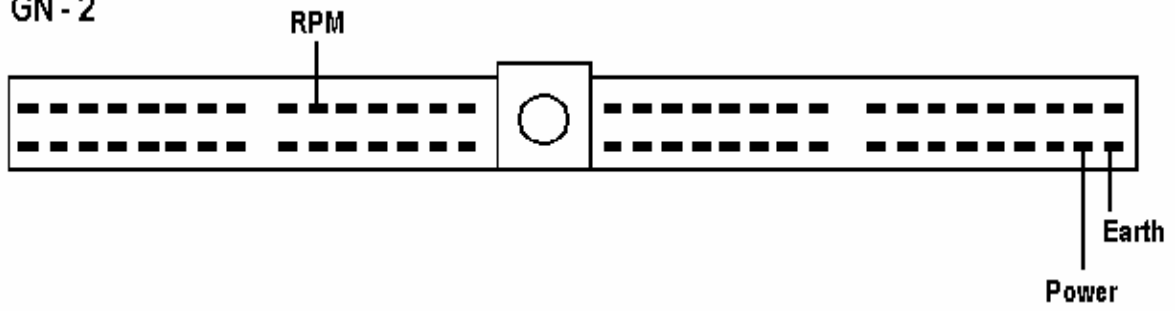


NISSAN

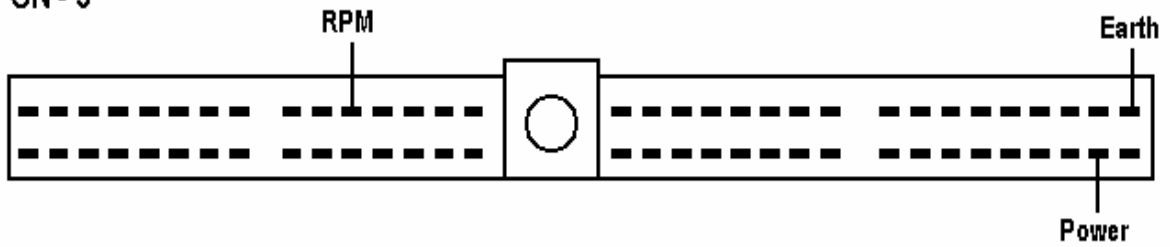
GN - 1



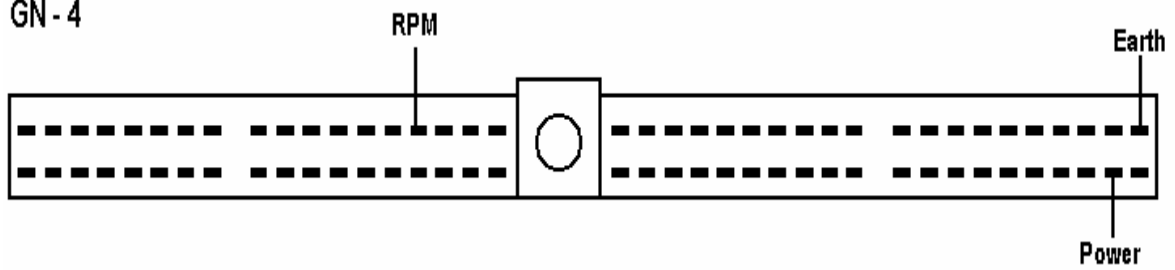
GN - 2



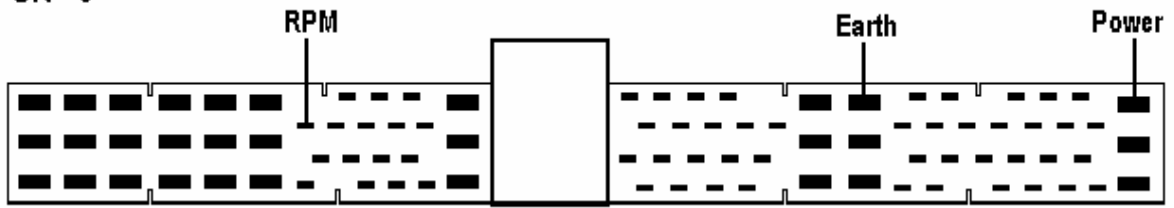
GN - 3



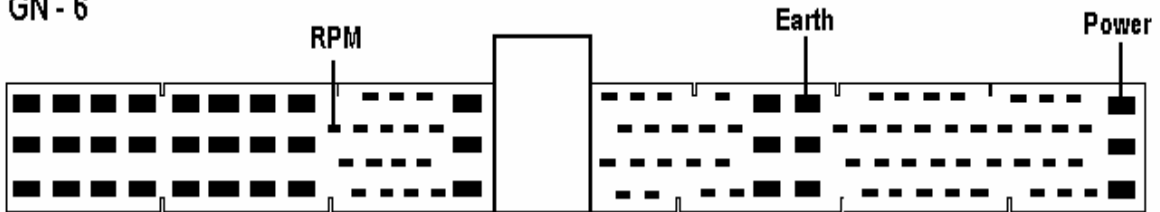
GN - 4



GN - 5

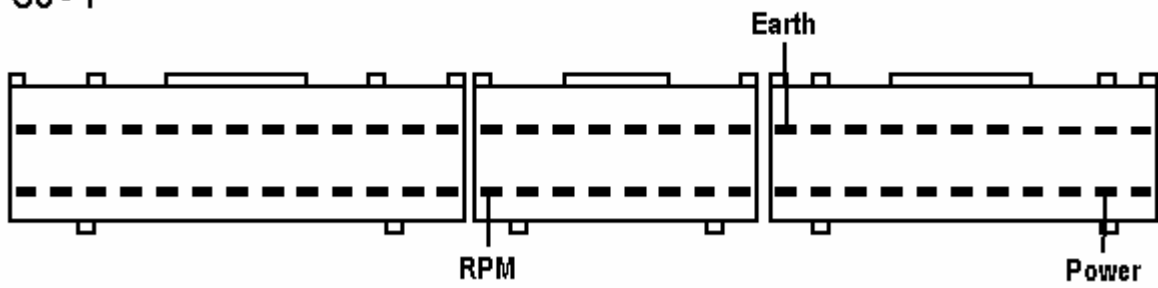


GN - 6

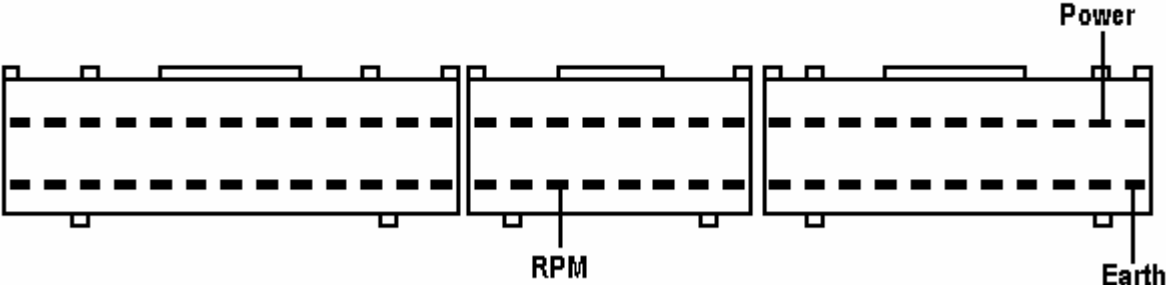


SUBARU

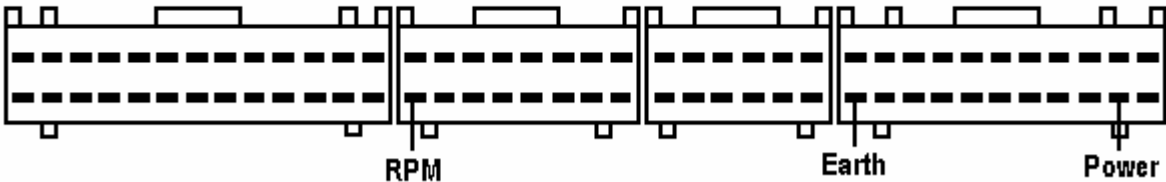
GS - 1



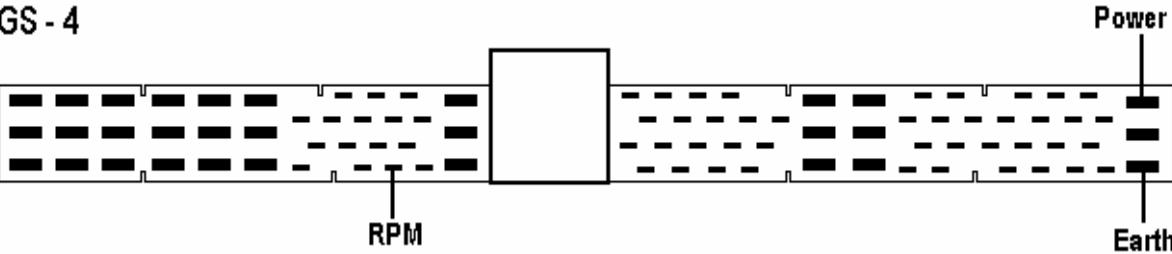
GS - 2



GS - 3



GS - 4



GS - 5

