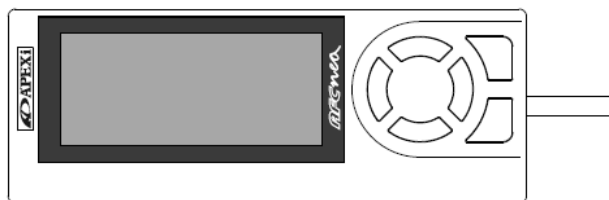




WIRING DIAGRAM BY MODEL



This document describes car models to which the AFC neo (Product code: 401-A018) is applicable, and ECU terminal arrangement drawings. For the operating method and precautions for the AFC neo, refer to the Instruction Manual.

When installing the AFC neo, both this document and the Instruction Manual are required.

Even if the car model and manufacturing year coincide with the contents described in this document, this product may not be installed in certain specification vehicles or remodeled vehicles.

The manufacturing years of applicable vehicles are as of Jan, 2013. For the latest vehicles applications, Please contact your local Apex Office or dealer for more information.

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DAIHATSU

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Safety Precautions

Please read "Safety Precautions" carefully to operate the product with safety.

Safety messages and their meanings

WARNING

This indicates the existence of potential hazard that may result in death or serious injury of the operator or third persons if the product is wrongly operated in disregard of this indication.

CAUTION

This indicates the existence of potential hazard that may result in injury to the operator or third persons, and that will result in only physical damage if the product is wrongly operated in disregard of this indication.

REQUEST

This indicates the contents of a failure in obtaining the full performance of the product or a product failure or faulty function item if the product is wrongly operated in disregard of this indication.

Safety Precautions

WARNING

- ☐ **Be sure to remove the negative terminal of the battery before working on wiring**

Do not work on wiring with the battery connected. This may cause a fire, electric shock, or other failures. In this case, we shall disclaim all responsibility for any damage or loss to the customer and third persons.

- ☐ **Do not use this product for any application other than applicable vehicles or applicable goods.**

We will not guarantee any operation in vehicles other than indicated in this manual. Such an operation may cause an accident, fire or other failures.

- ☐ **Do not install this product in an unstable place that may interfere with driving**

This may interfere with driving, resulting in a traffic accident.

- ☐ **Do not tamper, disassemble, or modify this product.**

This may cause an accident, fire, electric shock, or damage.

 CAUTION☐ **Do not use an Electro-Tap**

This may cause a malfunction or failure. Be sure to secure a connection with the accessory plug and splicer.

☐ **Insulate connections and unused harnesses**

If a connection or unused harness touches your body, a fire, electric shock, or other failures may occur.

☐ **Do not run a harness around hot, humid, and movable areas of a vehicle**

This may cause a malfunction, fire, or other failures.

☐ **If you feel that the product is abnormal, stop operating it immediately**

If this product gives out smoke or offensive smell, stop operating the product immediately and notify the office that is indicated on the back cover of this manual.

REQUEST

Regarding the installation of this product, be sure that it is installed by an experienced professional. After the product is installed, hand this manual, instruction manual, and warranty to the customer (user).

To remove the connector, hold it without pulling on its harness. Also use the connector without exposing its harness to excessive force.

This product may cause noise interference with radio, TV, etc. depending on the mounting location and the routing of the signal harness.

Installation

Before installing this product, be sure to remove the negative terminal of the battery.

Connection

Connecting the plug

1, Peel off the coating of the wires about 5 [mm]

2, Cover with a sleeve

3, Fold the wires

4, Caulk securely

Caulk the coating by these portions

Caulk the conductors by these portions

Please move the sleeve to the caulked position when finished the caulking.

Make the caulking thrust into the wire

Insulating a splice

1, Remove 5 [mm] of the wire cover from the connecting wire

2, Strip 10 [mm] from the other connection wire

3, Wrap the two wires together

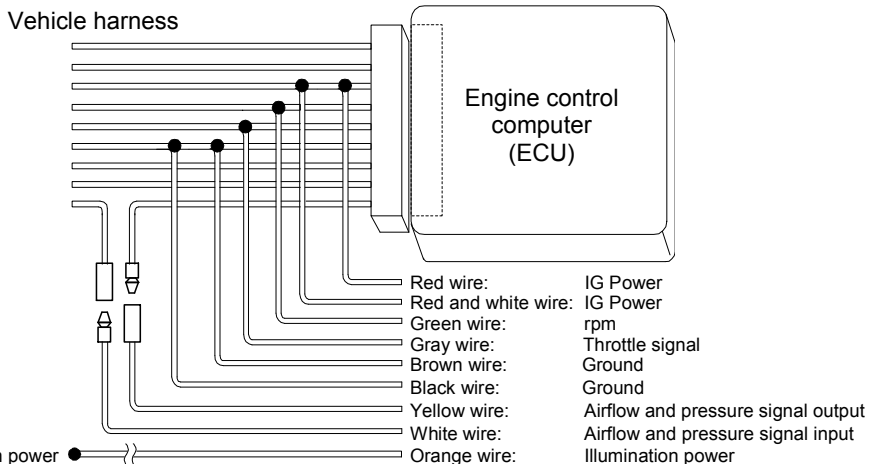
4, Securely fasten together other connection wire

5, be sure to cover the connection with electrical tape

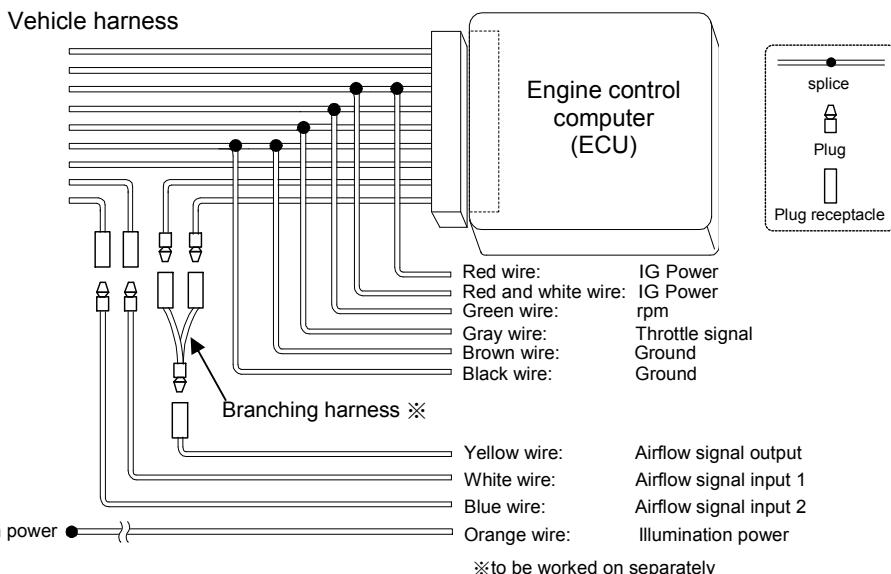
Make the caulking thrust into the wire

Connection diagram

Vehicle with hot wire, flap, and pressure sensor



Vehicle with RB26DETT

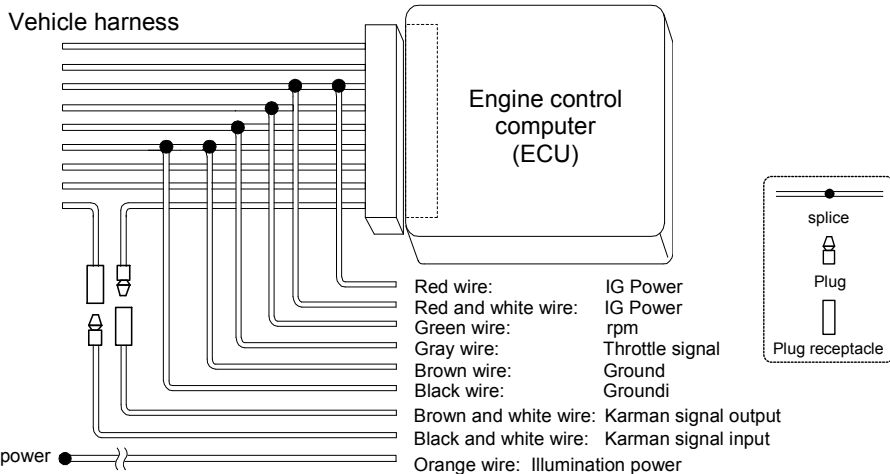


CAUTION

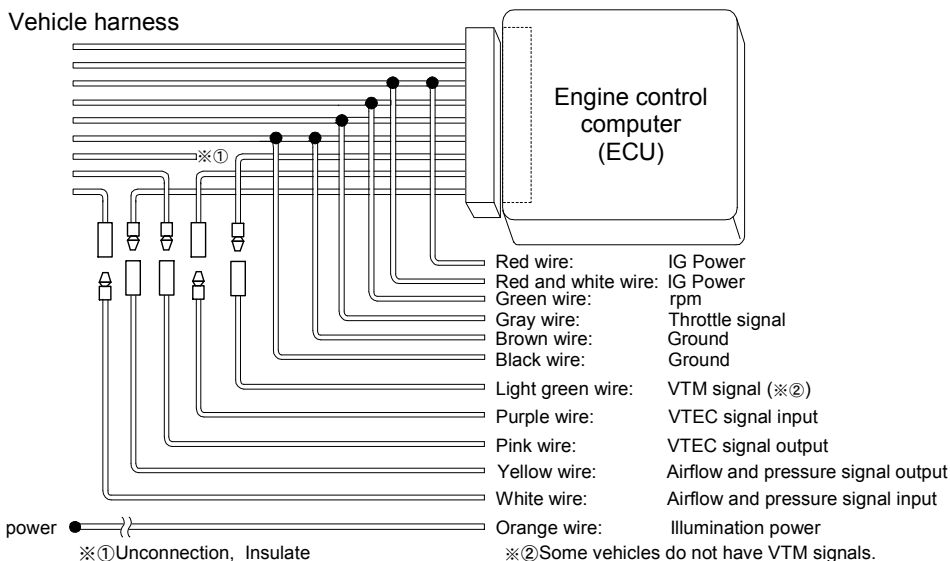
Insulate connections and the ends of unused harnesses; otherwise a fire, electric shock, or damage to electrical equipment may occur.

Connection diagram

□ Vehicle with Karman sensor



□ Vehicle with VTEC

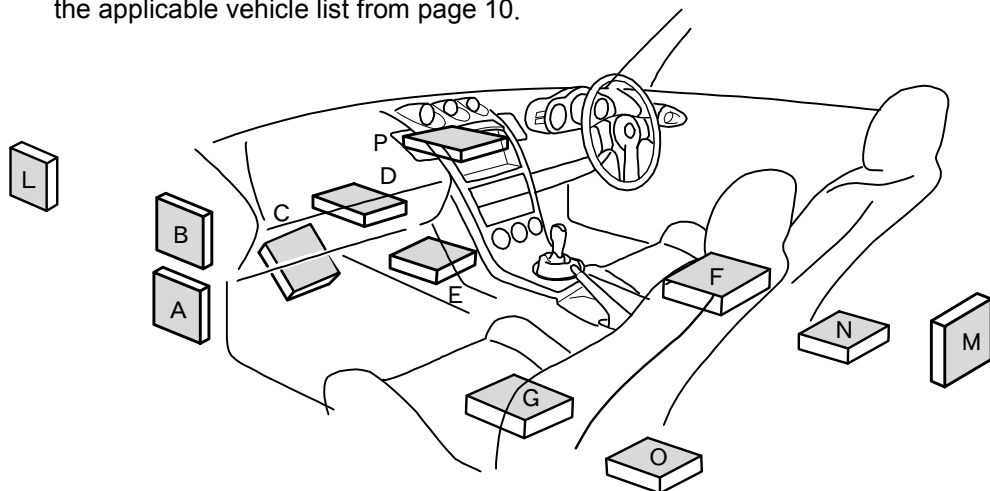


CAUTION

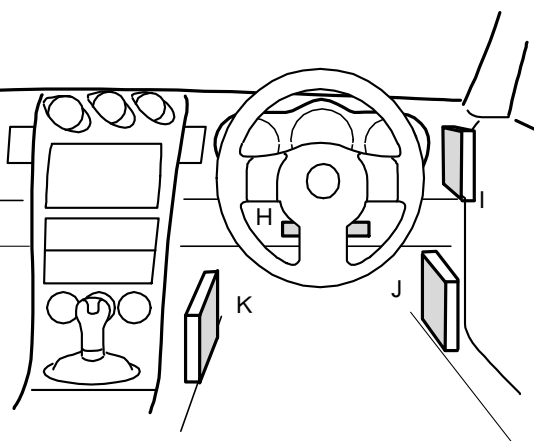
Insulate connections and the ends of unused harnesses; otherwise a fire, electric shock, or damage to electrical equipment may occur.

ECU layout

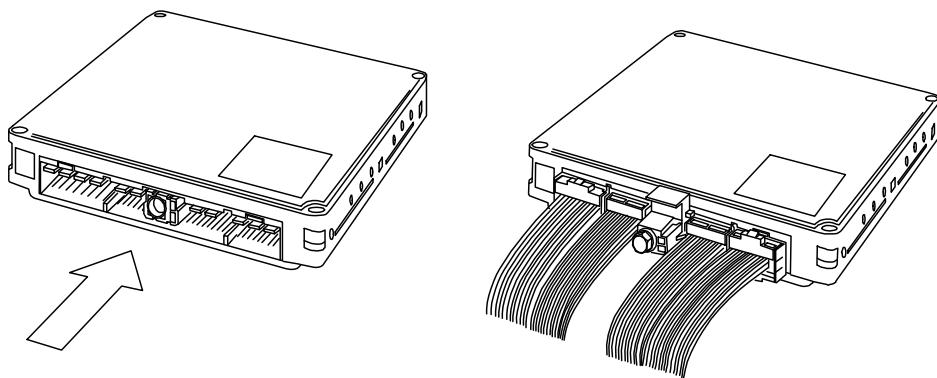
- For details on working on the ECU, see symbols in the location column of the applicable vehicle list from page 10.



- A : Lower part of the passenger seat dash side
 B : Right side of the glove box
 C : Foot position of the passenger seat
 D : Inner part of the glove box
 E : Inner part of the center console
 F : Under the driver's seat
 G : Under the passenger seat
 H : Near the steering column
 I : Left side of the meter panel
 J : Lower part of the driver's seat dash side
 K : Left side of the center console
 L : Engine room
 M : Before the rear trunk
 N : Behind the driver's seat
 O : Behind the passenger seat
 P : Upper inner part of the center console



Viewing ECU pin layout



The ECU pin layout shows the connectors viewed in the direction of the arrow mark.

The orientation of the ECU depends on the vehicle with ECU pins. Install the ECU fully checking the shape of each connector and the number of pins.

Table of Applicable Models (TOYOTA)

Explanation of sensor type indication

Example PR-3

Sensor type Sensor number

HW—HotWire

PR—Pressure

FL—Flap

KR—Karman

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks		
CELSIOR	UCF2#	1UZ—FE	'97.7～'00.7	L	T10—e	HW—13	Set the number of cylinders “4”		
			'94.10～'97.6	D	T8—a	HW—12			
	UCF1#		'92.9～'94.9		T5—e	KR			
			'89.10～'92.8						
CROWN ROYAL	JZS173	1JZ—GE	'99.9～'01.7	L	T10—a	PR—16			
CROWN ATHLETE	JZS171	1JZ—GTE	'99.9～'01.7	L	T10—b	HW—23			
	JZS173	1JZ—GE			T10—a	PR—16			
CROWN MAJESTA	UZS141	1UZ—FE	'91.10～'95.7	D	T7—a	KR	Set the number of cylinders “4”		
CROWN ESTATE	JZS171W	1JZ—GTE	'99.9～'01.7	L	T10—b	HW—23			
	JZS173W	1JZ—GE			T10—a	PR—16			
CROWN	JZS14#	2JZ—GE	'91.10～'95.7	D	T8—b	PR—3			
ARISTO	JZS161	2JZ—GTE	'97.8～'04.11	L	T10—c	HW—13			
	JZS160	2JZ—GE	'97.8～'00.6						
	JZS147	2JZ—GTE	'91.10～'97.7	C	T7—b	PR—1			
		2JZ—GE				PR—3			
	UZS143	1UZ—FE	'92.10～'97.7		T7—a	KR	Set the number of cylinders “4”		
SOARER	UZZ40	3UZ—FE	'01.4～'05.7	L	T11—b	HW—25			
	JZZ30	1JZ—GTE	'96.8～'01.3	C	T8—c	HW—12			
			'91.5～'96.7		T8—b	PR—1			
	JZZ31	2JZ—GE	'94.1～'96.7			PR—3			
	UZZ31	1UZ—FE	'94.1～'95.4		T8—a	KR	Set the number of cylinders “4”		
			'91.5～'93.12					T7—a	
	MZ20	7M—GTE	'88.1～'91.4	D	T5—a			FL—1	
			'86.1～'87.12		T2—b				
	GZ20	1G—GTE	'88.1～'91.4		T5—a				
'86.1～'87.12			T2—d						

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
SOARER	GZ20	1G-GE	'88.1~'91.4	D	T5-b	PR-3	
			'86.1~'87.12		T2-c		
SUPRA	JZA80	2JZ-GTE	'97.8~'02.8	C	T10-c	HW-13	
			'93.5~'97.7		T7-b	PR-1	
		2JZ-GE					PR-3
	JZA70	1JZ-GTE	'90.8~'93.4	D	T6-a	PR-1	
	MA70	7M-GTE	'88.9~'90.7		T5-a	KR	
			'86.2~'88.8		T2-b		
			'88.8		T5-a	PR-1	Turbo A
	GA70	1G-GTE	'88.9~'93.4		FL-1		
			'86.2~'88.8			T2-d	
		1G-GE	'88.9~'93.4		T5-b	PR-3	
			'86.2~'88.8		T2-c		
	MARK II	JZX110	1JZ-GTE		'00.10~'04.10	L	T10-b
JZX115		1JZ-GE	T10-a	PR-16			
MARK II BLIT	JZX110W	1JZ-GTE	'02.1~'07.5	L	T10-b	HW-23	
	JZX115W	1JZ-GE			T10-a	PR-16	
MARK II QUALIS	MCV20W	1MZ-FE	'99.8~'02.1	E	T10-f	HW-13	
			'97.5~'99.7		T8-e		
	MCV25W MCV21W	2MZ-FE	'97.5~'02.1				
VEROSSA	JZX110	1JZ-GTE	'01.8~'04.4	L	T10-b	HW-23	
MARK II CRESTA CHASER	JZX100	1JZ-GTE	'96.9~'01.7	E	T8-c	HW-12	MARK II '96.9~'00.9
	JZX90		'94.9~'96.8		T8-d	PR-1	
			'92.10~'94.8		T8-b		
			1JZ-GE		'92.10~'96.8	T6-a	PR-3
	JZX91	2JZ-GE	'94.9~'96.8		T8-c		
			'92.10~'94.8		T8-b		
	JZX81	1JZ-GTE	'90.8~'92.9	D	T6-a	PR-1	
		1JZ-GE				PR-3	
	GX81	1G-GTE	'88.8~'90.7		T5-a	FL-1	
		1G-GE	'88.8~'92.9		T5-b	PR-3	

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks	
MR2	SW20	3S—GTE	'93.10～'99.10	M	T5—b	PR—2		
			'91.12～'93.9			FL—2		
			'89.10～'91.11					
		3S—GE	'97.12～'99.10		T9—a	HW—13		
			'93.10～'97.11		T6—a	PR—3		
			'91.12～'93.9		T5—b			
			'89.10～'91.11					
	AW11	4A—GZE	'86.8～'89.9		T2—a	FL—3		
		4A—GE	'84.6～'89.9		T1—a	PR—3		
CELICA	ZZT230	1ZZ—FE	'99.9～'06.3	L	T9—a	HW—24		
	ZZT231	2ZZ—GE						
	ST205	3S—GTE	'94.2～'99.8	E	T5—b	PR—2		
	ST203 ST202	3S—GE	'93.10～'97.11		T6—a	PR—3		
		3S—FE	'96.6～'99.8		T4—c		M/T	
			'95.8～'96.5		T5—f		A/T	
			'93.10～'95.7		T4—a		M/T	
							A/T	
	ST185	3S—GTE	'91.9～'93.9		T5—b	FL—2		
			'89.10～'91.8					
	ST182	3S—GE	'89.10～'93.9				PR—3	
	ST165	3S—GTE	'85.8～'89.9		T2—a	FL—2		
	ST162	3S—GE						
CURREN	ST206	3S—GE	'94.1～'98.7	E	T6—a	PR—3		
	ST207 ST206	3S—FE	'96.6～'98.7		T4—c		M/T	
					T5—f		A/T	
			'95.10～'96.5		T4—a		M/T	
					T6—a		A/T With TRC	
					T5—b		A/T Without TRC	
					T6—a		With TRC	
	'94.1～'95.9	T5—b	Without TRC					

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
CARINA ED CORONA EXIV	ST203 ST202	3S-GE	'93.10~'98.12	E	T6-a	PR-3	
		3S-FE	'96.6~'98.12		T4-c		M/T
					T5-f		A/T
			'95.8~'96.5		T4-a		M/T
					T6-a		A/T With TRC
					T5-b		A/T Without TRC
					'93.10~'95.7		T6-a
		T5-b	Without TRC				
CALDINA	ST246W	3S-GTE	'02.9~'07.5	D	T12-a	PR-2	
	ZZT241W	1ZZ-FE			HW-24		
	ST215W	3S-GTE	'97.8~'02.8		T9-a	PR-2	
	ST215G ST210G	3S-FE			T5-c	PR-3	
	ST195G	3S-GE	'95.2~'97.7		T6-a		
	ST195G ST191G	3S-FE	'96.1~'97.7		T4-c		M/T
					T5-d		2WD A/T
					T5-f		4WD A/T
			'94.2~'95.12		T6-a		FF With TRC
					T5-b		FF Without TRC
					T4-a		4WD M/T
					T5-b		4WD A/T
			'92.11~'94.1		T6-a		FF A/T
					T4-a		4WD M/T
					T5-b		4WD A/T
	ST190G	4S-FE	'92.11~'95.12		T4-b		M/T
					T5-b		A/T
	COROLLA FX	AE101	4A-GE		'92.5~'95.4		E
			T5-b	A/T			
4A-FE			T4-a	PR-3		M/T	
			T5-b			A/T	
AE92		4A-GE	'89.5~'92.4		T4-a		
			'87.5~'89.4		T1-a		

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks		
COROLLA SPRINTER	AE111	4A—GE	'97.4~'00.9	E	T5—b	PR—3			
		4A—FE	'95.5~'97.3		T4—a				
	AE110	5A—FE	'95.5~'00.9						
	AE101	4A—GE	'91.6~'95.4		T5—b	FL—4	M/T		
		4A—FE			T4—a	PR—3	A/T		
	AE92	4A—GE			'89.5~'91.5		T5—b	PR—3	M/T
					'87.5~'89.4		T4—a		A/T
					T1—a				
	LEVIN TRUENO	AE111	4A—GE		'95.5~'00.9	E	T5—b	PR—3	
4A—FE			T4—a						
AE110		5A—FE							
AE101		4A—GZE	'91.6~'95.4	T5—b	PR—1				
		4A—GE		T4—a	FL—4		M/T		
		4A—FE		T5—b	PR—3		A/T		
				T4—a			M/T		
AE92				T5—b	PR—3		A/T		
		4A—GZE	'89.5~'91.5	T2—a	PR—1				
			'87.5~'89.4		FL—3				
			'89.5~'91.5				PR—3		
		4A—GE	'87.5~'89.4						
		AE86	4A—GEU	'83.5~'87.4	A			T1—b	
CERES MARINO		AE101	4A—GE	'92.5~'95.4	E		T4—a	FL—4	M/T
							T5—b		A/T
	4A—FE		T4—a			PR—3	M/T		
			T5—b				A/T		
ALTEZZA	SXE10	3S—GE	'98.10~'05.7	L	T9—b	HW—15	M/T		
					T10—d		A/T		
ALTEZZA GITA	JCE15W JCE10W	2JZ—GE	'01.7~'05.7	L	T10—b	HW—24			
MR—S	ZZW30	1ZZ—FE	'99.10~'07.1	O	T9—a	HW—24	Including Sequential M/T		

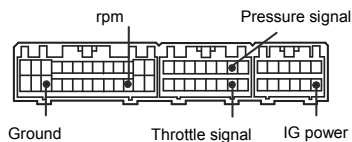
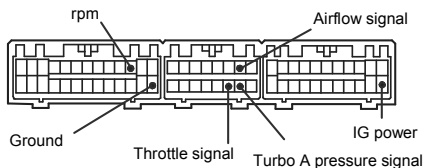
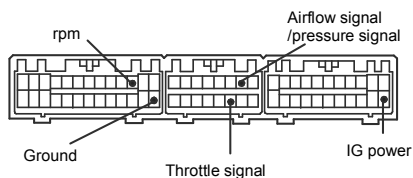
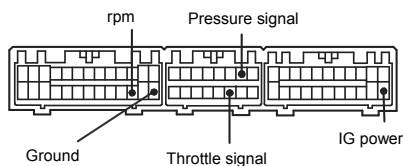
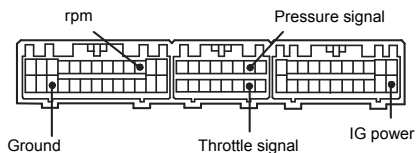
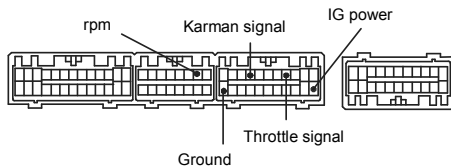
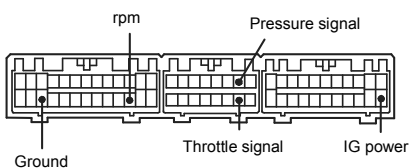
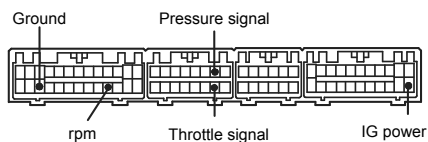
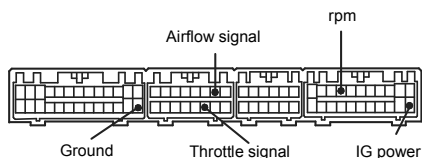
Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
STARLET	EP91	4E—FTE	'96.1～'99.7	D	T4—b	PR—1	M/T
					T4—a		A/T
		4E—FE	'96.1～'97.12			T3—b	PR—3
	EP82	4E—FTE	'89.12～'92.1	E	T3—a	PR—1	M/T
			'92.1～'95.12				T4—a
		4E—FE	'89.12～'95.12			T3—a	PR—3
	EP71	2E—TE 2E—E	'86.1～'89.11			T1—b	PR—1
RAV4	ZCA26W ZCA25W	1ZZ—FE	'00.5～'05.10	D	T9—a	HW—24	
	SXA1#G	3S—FE	'97.9～'00.4	E	T4—c	PR—3	M/T
					T5—f		A/T
	SXA11W SXA10W	3S—GE	'96.8～'00.4		T5—b		
	SXA11G	3S—FE	'95.4～'97.8		T4—a		M/T
					T5—b		A/T
	SXA10G		'94.5～'97.8		T4—a		M/T
		T5—b	A/T				
VITZ	KSP90	1KR—FE	'05.2～'07.7	L	T14—a	PR—20	
	SCP90	2SZ—FE					
	NCP13	1NZ—FE	'02.12～'05.1	D	T12—a	HW—24	
			'00.10～'02.11		T6—b		
	NCP10	2NZ—FE	'02.12～'05.1		T12—a		
			'00.10～'02.11		T6—b		
	NCP15		'02.12～'05.1		T12—a		
'00.10～'02.11			T6—b				
FUNCARGO	NCP25 NCP21	1NZ—FE	'99.8～'05.9	D	T6—b		
	NCP20	2NZ—FE					
	NCP25 NCP21	1NZ—FE			T9—c	With Steer matic	
	NCP20	2NZ—FE					

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
COROLLA	ZZE12#	1ZZ—FE	'02.9～'06.10	D	T12—a	HW—24	
	NZE124 NZE121	1NZ—FE					
	ZZE12#	1ZZ—FE	'00.8～'02.8		T9—a		
	NZE124 NZE121	1NZ—FE			T6—b		
COROLLA FIELDER	ZZE123G	2ZZ—GE	'02.9～'06.10	D	T10—g	HW—24	
	ZZE122G	1ZZ—FE			T9—a		M/T
	NZE124G NZE121G	1NZ—FE			T12—a		A/T
	ZZE123G	2ZZ—GE	'00.8～'02.8		T10—g		
	ZZE122G	1ZZ—FE			T9—a		
	NZE124G NZE121G	1NZ—FE			T6—b		
COROLLA RUNX ALEX	ZZE123	2ZZ—GE	'02.9～'06.10	D	T10—g	HW—24	
	ZZE124 ZZE122	1ZZ—FE			T12—a		
	NZE124 NZE121	1NZ—FE					
	ZZE123	2ZZ—GE	'01.1～'02.8		T10—g		
	NZE124 NZE121	1NZ—FE			T6—b		
COROLLA SPACIO	ZZE124N	1ZZ—FE	'01.7～'03.3	D	T9—a	HW—24	
	ZZE122N		'01.5～'03.3				
	NZE121N	1NZ—FE			T6—b		
WILL VS	ZZE128	2ZZ—GE	'01.4～'04.4	D	T10—g	HW—24	
	ZZE129 ZZE127	1ZZ—FE			T9—a		
WILL CYPHA	NCP75	1NZ—FE	'02.10～'05.8	D	T12—a	HW—24	
	NCP70	2NZ—FE					
ALLION	ZZT240	1ZZ—FE	'01.12～'07.5	B	T12—a	HW—24	
	NZT240	1NZ—FE					
ist	NCP61	1NZ—FE	'02.5～'07.6	D	T12—a	HW—24	
	NCP60	2NZ—FE					

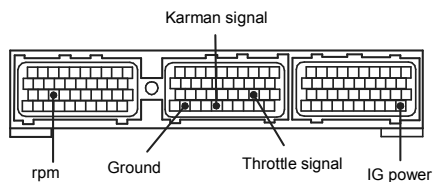
Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
PLATZ	NCP12	1NZ—FE	'02.8～'05.10	E	T12—a	HW—24	
	NCP16	2NZ—FE					
	SCP11	1SZ—FE					
	NCP12	1NZ—FE	'99.8～'02.7		T6—b		
	NCP16	2NZ—FE					
	SCP11	1SZ—FE					
bB	NCP30	2NZ—FE	'02.8～'05.11	D	T12—a	HW—24	
	NCP35 NCP31	1NZ—FE					
	NCP34		'02.8～'03.3				
	NCP30	2NZ—FE	'00.2～'02.7		T6—b		
	NCP35 NCP31	1NZ—FE					
	NCP34						'01.6～'02.7
OPA	ZCT1#	1ZZ—FE	'00.8～'02.5	D	T9—a	HW—24	
WINDOM	MCV30	1MZ—FE	'01.8～'06.2	B	T11—a	HW—13	
ESTIMA	MCR#0W	1MZ—FE	'00.1～'05.12	D	T10—f	HW—15	
ALPHARD	MNH1#W	1MZ—FE	'02.5～'05.3	D	T10—f	HW—15	
VOLTZ	ZZE137	2ZZ—GE	'02.8～'04.4	D	T12—a	HW—24	
	ZZE138 ZZE136	1ZZ—FE					
WISH	ZNE1#G	1ZZ—FE	'03.1～'05.8	D	T12—a	HW—24	
SIENTA	NCP81G	1NZ—FE	'03.9～'06.4	B	T11—c	HW—24	
PASSO	KGC10	1KR—FE	'04.6～'05.11	D	T13—a	PR—20	Set the number of cylinders “1”
PORTE	NNP1#	1NZ—FE 2NZ—FE	'04.7～'05.11	D	T12—a	HW—24	

■ ECU Terminal Arrangement Table (TOYOTA)

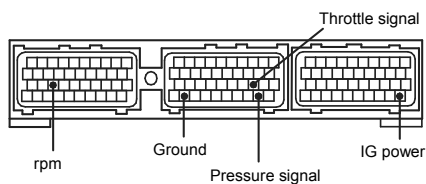
T1-a 10p 18p 14p rpm Pressure signal Ground Throttle signal IG power	T1-b 10p 18p 14p rpm Pressure signal Ground IG power Without throttle signal
T2-a 10p 18p 24p rpm Airflow signal Ground Throttle signal IG power	T2-b 10p 18p 24p rpm Karman signal Ground Throttle signal IG power
T2-c 10p 18p 24p rpm Pressure signal Ground Throttle signal IG power	T2-d 10p 18p 24p rpm Airflow signal Ground IG power Without throttle signal
T3-a 26p 16p rpm Pressure signal Ground IG power Without throttle signal	T3-b 26p 16p rpm Pressure signal Ground Throttle signal IG power
T4-a 26p 16p 12p rpm Airflow signal / pressure signal Ground Throttle signal IG power	T4-b 26p 16p 12p rpm Pressure signal Ground IG power Without throttle signal

T4-c**26p****16p****12p****T5-a****26p****16p****22p****T5-b****26p****16p****22p****T5-c****26p****16p****22p****T5-d****26p****16p****22p****T5-e****26p****16p****22p****26p****T5-f****26p****16p****22p****T6-a****26p****16p****12p****22p****T6-b****26p****16p****12p****22p**

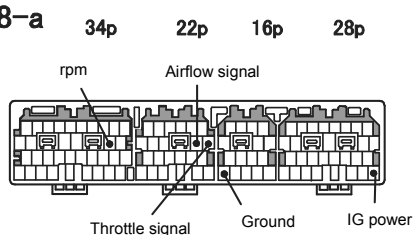
T7-a



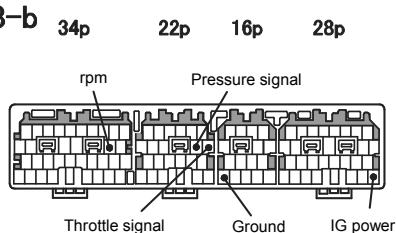
T7-b



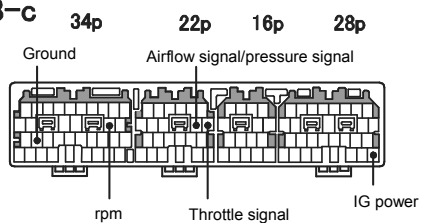
T8-a



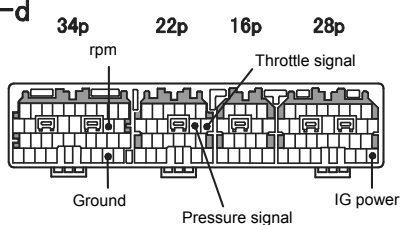
T8-b



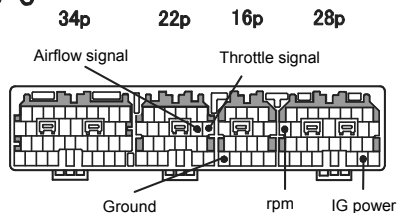
T8-c



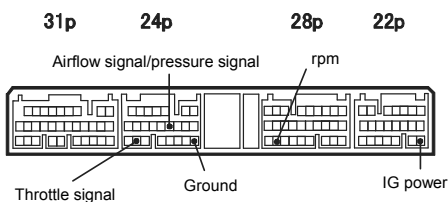
T8-d



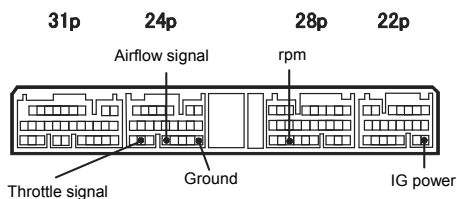
T8-e



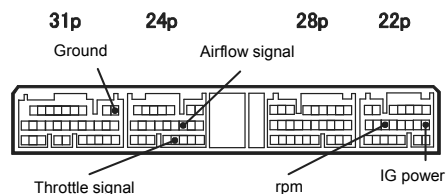
T9-a



T9-b



T9-c



T10-a

31p

24p

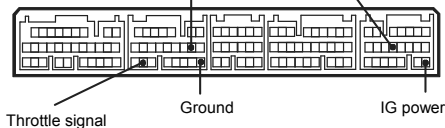
17p

28p

22p

Pressure signal

rpm

**T10-b**

31p

24p

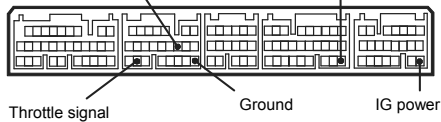
17p

28p

22p

Airflow signal

rpm

**T10-c**

31p

24p

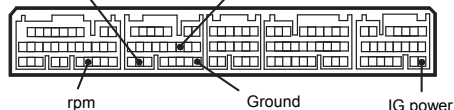
17p

28p

22p

Throttle signal

Airflow signal

**T10-d**

31p

24p

17p

28p

22p

Airflow signal

rpm

**T10-e**

31p

24p

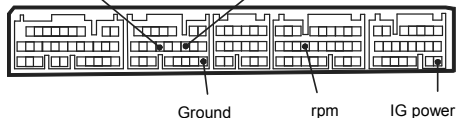
17p

28p

22p

Throttle signal

Airflow signal

**T10-f**

31p

24p

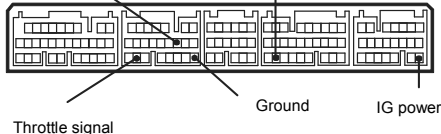
17p

28p

22p

Airflow signal

rpm

**T10-g**

31p

24p

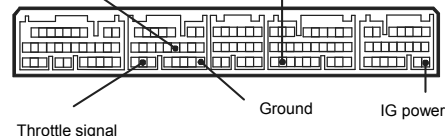
17p

28p

22p

Airflow signal

rpm

**T11-a**

34p

35p

32p

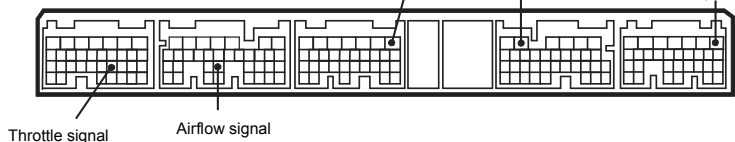
35p

31p

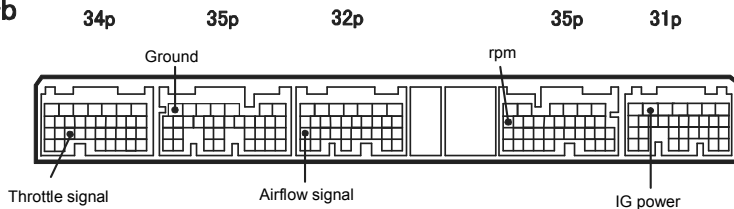
Ground

rpm

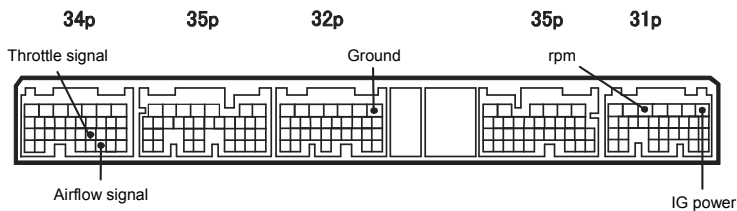
IG power



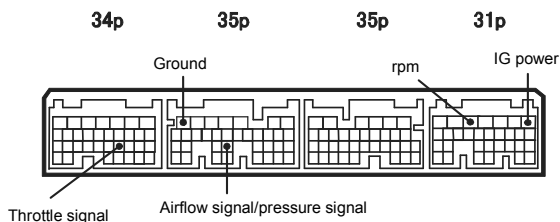
T11-b



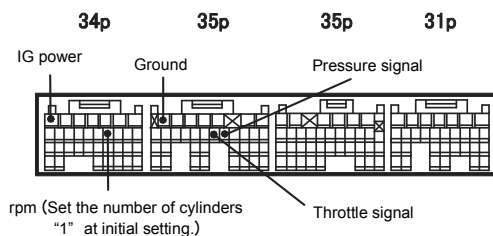
T11-c



T12-a



T13-a



T14-a

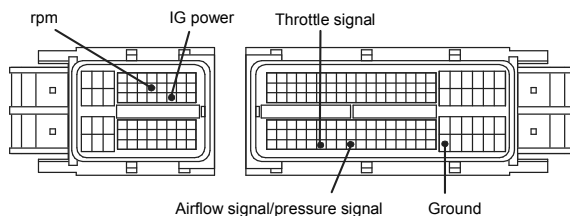




Table of Applicable Models (NISSAN)

Explanation of sensor type indication

Example PR-3

Sensor type Sensor number

HW—HotWire

PR—Pressure

FL—Flap

KR—Karman

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
PRESIDENT	G50	VH45DE	'90.10~'02.12	A	N4-a	HW-1	
INFINITY Q45	G50	VH45DE	'89.11~'97.9	A	N4-a	HW-1	
CIMA	HF50	VQ30DET	'01.1~'07.6	D	N8-c	HW-17	
CIMA III	FGY33	VH41DE	'98.9~'00.12	A	N9-a	HW-1	
	FHY33	VQ30DET			N5-a	HW-4	
	FGY33	VH41DE	'96.6~'98.8		N6-a	HW-1	
	FHY33	VQ30DET			N5-a	HW-4	
CIMA II	FGY32	VH41DE	'91.8~'96.5	A	N4-a	HW-1	
	FPY32	VG30DET	'93.9~'96.5		N4-c	HW-4	
CIMA I	FPY31	VG30DET VG30DE	'89.8~'91.7	A	N4-d	HW-4	
			'88.1~'89.7		N2-a		
FAIRLADY Z	Z32	VG30DETT VG30DE	'89.7~'00.8	C	N4-a	HW-2	
LEOPARD	Y33	VQ25DE	'97.10~'99.6	A	N5-a	HW-4	
		VQ30DET VQ30DE	'96.3~'99.6				
	UF31	VG30DET VG30DE	'88.8~'92.5		N4-e		
	GF31	VG20DET			N2-a		
LEOPARD J FERIE	JGBY32	VH41DE	'92.6~'96.2	A	N4-a	HW-1	
	JPY32	VG30DE			N4-c	HW-4	
CEDRIC GLORIA	Y34	VQ30DET	'99.6~'04.10	D	N8-c	HW-18	
	Y33		'95.6~'99.5	A	N5-a	HW-4	
		VQ30DE					
Y32	VG30DET VG30DE	'91.6~'95.5	N4-c				

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
CEDRIC GLORIA	Y31	VG20DET VG20E	'89.6~'91.5	A	N4-d	HW-4	
CEFIRO	A33	VQ20DE	'01.1~'03.2	E	N8-a	HW-17	
			'98.12~'00.12		N8-b		
	A32	VQ30DE VQ25DE	'97.1~98.11		N6-a	HW-4	
		VQ20DE			N4-a		M/T
		VQ30DE VQ25DE VQ20DE	'94.8~'96.12		N6-a		A/T
					N4-a		
	A31	RB20DET	'88.9~'94.7	A	N4-e		
		RB25DE	'92.5~'94.7		N4-a		
		RB20DE	'88.9~'94.7		N4-e		
	CEFIRO WAGON	W#A32	VQ25DE VQ20DE	E	N6-a	HW-4	
			VQ30DE				'97.6~'99.7
LAUREL	C35	RB25DET RB25DE RB20DE	'97.6~'02.12	A	N6-a	HW-4	
	C34	RB25DET	'94.1~'97.5		N4-a		
		RB25DE RB20DE	'93.1~'97.5				
	C33	RB20DET RB20DE	'89.1~'92.12				
SKYLINE	R34	RB26DETT	'99.1~'02.8	A	N4-b	HW-3	
		RB25DET	'98.5~'01.5		N6-a	HW-4	
	R33	RB26DETT	'95.1~'98.12		N4-b	HW-3	
		RB25DET RB25DE	'93.8~'98.4		N4-a	HW-4	
	R32	RB26DETT	'89.8~'94.12		N4-b	HW-3	
		RB25DE	'91.8~'93.7		N4-a	HW-4	
		RB20DET RB20DE	'89.5~'93.7				

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
SKYLINE	R31	RB20ET RB20E	'87.8~'89.4	A	N1-a	HW-4	
STAGEA	NM35	VQ25DET	'01.10~'04.8	D	N8-c	HW-18	
	W#C34	RB25DET RB25DE	'96.8~'01.9	A	N6-a	HW-4	
STAGEA AUTECH Ver.260RS	WGNC34	RB26DETT	'97.10~'01.9	A	N4-b	HW-3	
BLUEBIRD SYLPHY	G10	QG18DE	'00.8~'05.11	L	N8-e	HW-18	2WD
		QG15DE			N7-a		4WD
BLUEBIRD	U14	SR20VE	'97.9~'01.8	E	N3-a	HW-14	
		SR20DE	'96.1~'01.8			HW-6	
		SR18DE	'96.1~'98.8				Except the Lean Burn
	U13	SR20DET SR20DE SR18DE	'91.9~'95.12				
		U12	SR20DET SR20DE				'89.10~'91.8
	CA18DET CA18DE		'87.9~'89.9		N4-a	HW-7	
SILVIA	S15	SR20DET	'99.1~'02.7	A	N3-a	HW-5	
		SR20DE				HW-6	
	S14	SR20DET	'96.6~'98.12			HW-5	
			'93.10~'96.5				
		SR20DE	'93.10~'98.12		N4-a		
	PS13	SR20DET	'91.1~'93.9		N3-a	HW-6	
		SR20DE			N3-b		
	S13	CA18DET CA18DE	'88.5~'90.12		N3-a		
180SX	RPS13	SR20DET SR20DE	'96.8~'98.12	A	N4-a	HW-7	
		SR20DET	'91.1~'96.7		N3-a	HW-6	
	RS13	CA18DET	'89.3~'90.12		N3-b		

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks		
PULSAR	N15	SR16VE	'97.9~'00.8	E	N3-a	HW-6	Except the N1 Specification		
		SR18DE	'95.1~'00.8			HW-14			
	N14	SR20DET	'90.8~'94.12			HW-5			
		SR18DE				HW-6			
PRIMERA	P12	QR20DE	'02.5~'05.11	D	N10-b	HW-18			
			'01.1~'02.4		N8-d				
		SR20VE	'01.8~'03.6			HW-21			
	P11	SR20DE	'97.9~'00.12	E	N3-a	HW-14			
			'95.9~'00.12			HW-6			
			SR18DE				'95.9~'98.8		
	P10	SR20DE	'90.2~'95.8						
		SR18DE	'92.9~'95.8						
PRIMERA WAGON	W#P12	QR20DE	'02.5~'05.11			D	N10-b	HW-18	
			'01.1~'02.4				N8-d		
		SR20VE	'01.8~'03.6					HW-21	
	W#P11	SR20DE	'97.9~'00.12	E	N3-a	HW-14			
			SR18DE			'97.9~'99.3	HW-6		
AVENIR	W11	SR20DET	'98.8~'00.4	E	N3-a	HW-5			
		SR20DE				HW-6			
	W10	SR20DET	'95.8~'98.7			HW-5			
		SR20DE	'90.5~'98.7			HW-6			
		SR18DE	'93.1~'98.7						
SUNNY	B14	SR18DE	'94.1~'98.9	E	N3-a	HW-6			
	B13		'90.1~'93.12						
NX COUPE	B13	SR18DE	'90.1~'93.12	E	N3-a	HW-6			
MARCH	K12	CR14DE	'02.3~'06.11	L	N10-a	PR-11			
		CR12DE					Except the M/T		
		CR10DE					'02.3~'04.4		
	K11	CG13DE	'92.1~'02.2	E	N3-a	HW-9	Including CGA3DE		
		CG10DE							

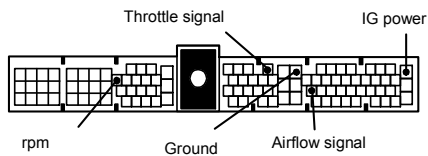
Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
CUBE	Z11	CR14DE	'02.10~'06.11	L	N10-a	PR-11	
	Z10	CG13DE	'98.2~'02.9	C	N3-a	HW-9	Including CGA3DE
TERRANO	YD21	VG30E	'89.10~'95.8	F	N3-a	HW-6	
X-TRAIL	T30	QR20DE	'00.11~'03.5	B	N8-d	HW-18	
		SR20VET	'01.2~'03.5			HW-19	
WINGROAD	Y11	QR20DE	'01.10~'05.10	E	N8-d	HW-18	
ELGRAND	E50	VQ35DE	'00.8~'02.4	E	N8-g	HW-1	
		VG33E	'97.5~'00.8		N4-a	HW-6	
SERENA	TC24 TNC24	QR20DE	'01.12~'05.5	E	N8-f	HW-5	
BASSARA	JHU30	VQ30DE	'01.8~'03.6	E	N8-a	HW-18	
MOCO	MG21S	K6A	'02.4~'05.12	L	N11-b	PR-13	NA
					N11-a	PR-8	T/C
NOTE	E11	HR15DE	'05.1~'06.11	L	N12-a	HW-28	Set the number of cylinders "1"
TIDA	C11	HR15DE	'04.9~'06.11	L	N12-a	HW-28	Set the number of cylinders "1"
TIDA LATI0	C11	HR15DE	'04.10~'06.11	L	N12-a	HW-28	Set the number of cylinders "1"

■ ECU Terminal Arrangement Table (NISSAN)

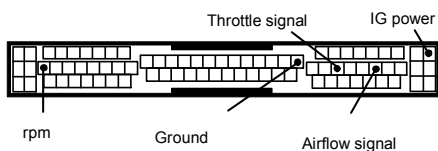
N1-a 15p 12p 20p 16p rpm Airflow signal IG power Ground Without throttle signal	N2-a 16p 12p 20p 16p rpm Airflow signal IG power Ground Without throttle signal
N3-a 16p 14p 16p 18p rpm Airflow signal Throttle signal IG power Ground	N3-b 16p 14p 16p 18p rpm Airflow signal Throttle signal IG power Ground
N4-a 16p 20p 20p 20p rpm Airflow signal Throttle signal IG power Ground	N4-b 16p 20p 20p 20p rpm Airflow signal 1 Airflow signal 2 Throttle signal IG power Ground
N4-c 16p 20p 20p 20p rpm Airflow signal Throttle signal IG power Ground	N4-d 16p 20p 20p 20p rpm Airflow signal IG power Ground Without throttle signal
N4-e 16p 20p 20p 20p rpm Airflow signal Throttle signal IG power Ground	N5-a 9p 9p 19p 18p 33p rpm Throttle signal IG power Ground Airflow signal

N6-a

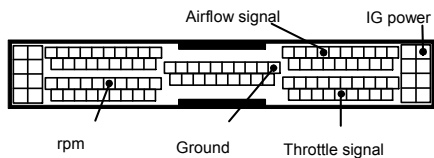
12p 12p 19p 24p 37p

**N7-a**

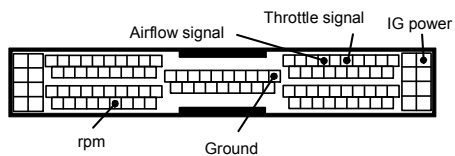
6p 22p 25p 22p 6p

**N8-a**

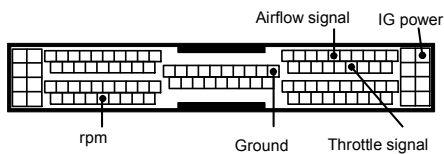
8p 38p 19p 38p 8p

**N8-b**

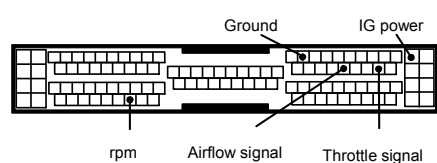
8p 38p 19p 38p 8p

**N8-c**

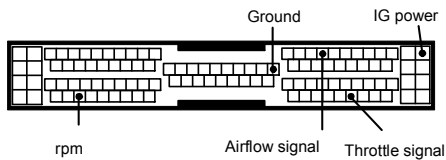
8p 38p 19p 38p 8p

**N8-d**

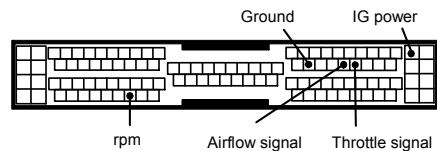
8p 38p 19p 38p 8p

**N8-e**

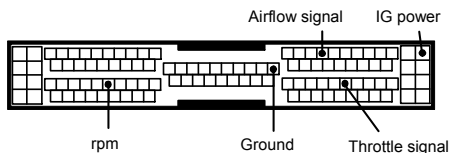
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**N8-f**

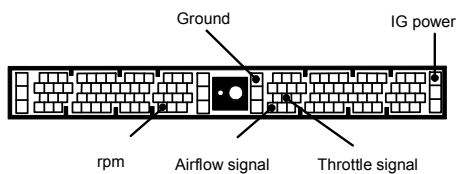
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**N8-g**

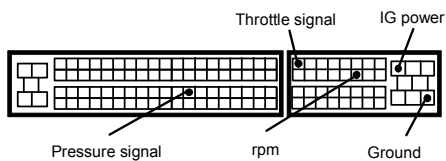
8p 38p 19p 38p 8p



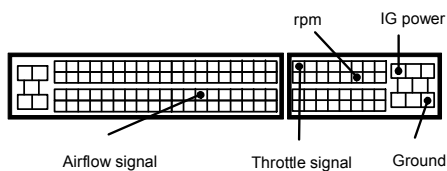
N9-a



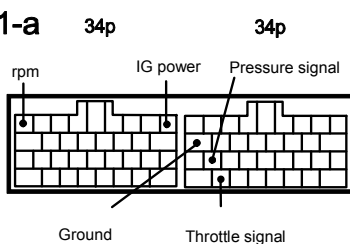
N10-a



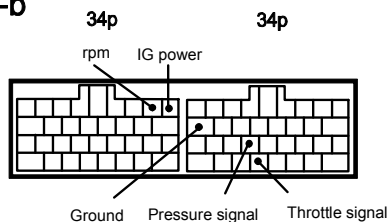
N10-b



N11-a



N11-b



N12-a

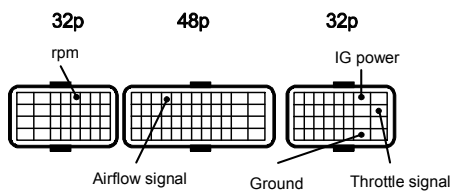




Table of Applicable Models (HONDA)

Explanation of sensor type indication

Example PR-3

Sensor type Sensor number

HW—HotWire

PR—Pressure

FL—Flap

KR—Karman

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
NSX	NA2	C32B	'97.2~'05.12	N	H1—c	PR—6	Impossible of “V/T Control” setting
	NA1	C30A	'95.3~'05.12		H1—a		
			'90.9~'95.2				
LEGEND	KA9	C35A	'96.2~'04.9	C	H1—a		
	KA8 KA7	C32A	'90.10~'96.1				
INSPIRE	UA5	J32A	'98.10~'03.5	E	H6—c		
	UA4	J25A					
	UA2	G25A	C	H1—b			
	UA1	G20A					
	CC2	G25A			'92.1~'95.1		
	CB5	G20A			'89.10~'91.12		
PRELUDE	BB8 BB6	H22A	'96.12~'00.9	C	H5—b		
	BB1		'91.9~'96.11		H10—a		With TCS
	BB4		H11—a		Without TCS		
ACCORD EURO R	CL7	K20A	'02.12~'08.11	E	H8—a		
	CL1	H22A	'00.6~'02.9		H12—a		
ACCORD	CL9	K24A	'02.10~'08.11	E	H14—d		
	CL8 CL7	K20A					
	CL3	F20B	'00.6~'02.9		H6—b		A/T
	CF3	F18B	'97.9~'00.5		H12—a		M/T
				H6—b			
	CF4	F20B			H12—a		A/T
							M/T
	CD5	F22B	'93.9~'97.8	C	H11—a		
CD6	H22A						

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
ACCORD WAGON	CM3 CM2	K24A	'02.11~'08.11	E	H14—d	PR—6	
	CH9	H23A	'99.1~'02.10		H6—b		A/T
					H12—a		M/T
	CL2		'00.6~'02.10		H6—b		A/T
					H12—a		M/T
	CF7 CF6	F23A	'97.10~'02.10	C	H6—b		
	CF2	H22A	'96.9~'97.9		H11—a		
	CE1	F22B	'94.3~'97.9		H2—a		
CB9	F22A	'91.3~'94.2					
TORNEO EURO R	CL1	H22A	'00.6~'02.9	E	H12—a		
TORNEO	CL3	F20B	'00.6~'02.9	E	H6—b		A/T
		H12—a	M/T				
	CF3	F18B	'97.9~'00.5		H6—b		
	CF4	F20B			H12—a		A/T
							M/T
INTEGRA (Including the '98 specification)	DC5	K20A	'01.7~'06.6	D	H13—a		
	DC2 DB8	B18C	'95.9~'01.6	A	H5—b		M/T
					H10—c		A/T
			'93.5~'95.8		H11—a		M/T
				H10—b	A/T		
CIVIC	EP3	K20A	'01.10~'05.8	D	H13—a		
	EU2	D15B	'00.9~'05.2		H7—c		
	EU1				H7—a		VTEC Type B
	EU4 EU3	D17A	'00.9~'05.8		H7—c		
	EK9	B16B	'00.8~'00.9	A	H12—a		
			'98.9~'00.7		H6—b		
			'97.8~'98.8		H5—b		

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks		
CIVIC	EK4	B16A	'95.9~'00.7	A	H5-b	PR-6			
	EK3	D15B	'98.9~'00.7		H6-a		Except the VTEC		
			'95.9~'98.8		H5-a				
	EG6	B16A	'91.9~'95.8		H11-a				
	EG4	D15B		Except the Carburetor and VTEC-E					
	EF9	B16A	'89.9~'91.8	C	H9-a				
CIVIC FERIO	ES3	D17A	'00.9~'05.8	D	H7-c				
	ES2	D15B					A	H5-b	VTEC
	ES1								
	EK4	B16A	'95.9~'00.7						
	EG9		'91.9~'95.8	H11-a	Except the Carburetor and VTEC-E				
	EG8	D15B							
CIVIC COUPE	EJ1	D16A	'92.10~'95.8	A	H11-a				
CR-X	EG2	B16A	'92.3~'95.10	A	H11-a				
	EG1	D15B		B					
	EF8	B16A	'89.9~'92.2	C	H9-a				
CR-V	RD5 RD4	K20A	'01.9~'04.8	D	H14-a				
	RD2	B20B	'98.12~'01.8	A	H6-a				
	RD1				H1-b				
			'97.10~'98.11						
S2000	AP1	F20C	'99.4~'05.10	A	H12-a				
AIRWAVE	GJ2 GJ1	L15A	'05.4~'06.2	B	H7-c				

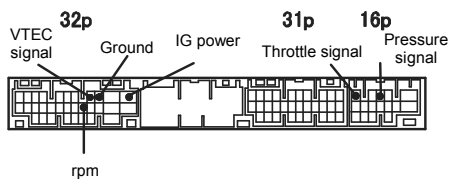
Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks	
ODYSSEY	RB2	K24A	'03.10~'07.1	B	H14-c	PR-21	Unconfirmed Absolute	
	RB1				H14-b			
	RA9 RA8	J30A	'99.12~'03.9	E	H6-c	PR-6		
	RA7 RA6	F23A			H6-b			
	RA5	J30A	'97.10~'99.11	C	H5-c			
	RA4 RA3	F23A	'97.8~'99.11		H6-b			
	RA2 RA1	F22B	'94.10~'97.7		H2-a			
STEP WGN	RF4 RF3	K20A	'03.6~'05.5	E	H14-c			
			'01.4~'03.5		H14-a			
	RF2	B20B	'99.5~'01.3		H6-a			
			'96.5~'99.4		H1-b			
	RF1		'99.5~'01.3		H6-a			
			'96.5~'99.4		H1-b			
ELYSION	RR2 RR1	K24A	'04.5~'06.11	E	H14-c	PR-21		
S-MX	RH2 RH1	B20B	'99.9~'02.1	E	H6-a	PR-6		
			'96.11~'99.8		H1-b			
Z	PA1	E07Z	'98.10~ '02.1	N	H4-b			T/C
					H3-b			NA
LIFE	JB5 JB6	P07A	'03.9~'06.8	B	H7-b	PR-21		
	JB2 JB1	E07Z	'00.12~'03.8	A	H4-b	PR-6		
		E07Z	'98.10~'00.11		H4-c			
	JA4	E07A	'97.4~'98.9	G	H3-a			
LIFE DUNK	JB4 JB3	E07Z	'00.12~'03.8	A	H4-b			

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
CAPA	GA6	D15B	'99.9~'02.1	A	H4—a	PR—6	
	GA4		'98.4~'02.1				
STREAM	RN4 RN3	K20A	'00.10~'05.6	D	H14—a		
	RN2 RN1	D17A					
FIT	GD4	L15A	'02.9~'07.9	B	H7—c		
	GD3		'04.6~'07.9		H13—a		M/T
	GD2	L13A	'01.7~'07.9		H7—a		
	GD1		'01.6~'07.9				
FIT ARIA	GD9 GD8	L15A	'05.10~'07.4	B	H7—c		VTEC
	GD7 GD6	L13A	'02.12~'05.9		H7—a		
THAT'S	JD2 JD1	E07Z	'02.2~'06.2	D	H4—b		
MOBILIO	GB2	L15A	'01.12~'08.4	B	H7—a		
	GB1		'04.1~'08.4		H7—c		VTEC
MOBILIO SPIKE	GK2 GK1	L15A	'02.9~'08.4	B	H7—c		

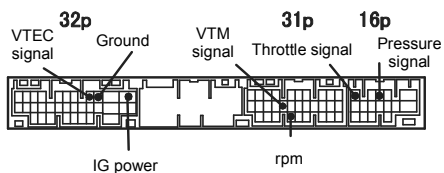
■ ECU Terminal Arrangement Table (HONDA)

H1-a 26p 16p 12p 22p IG power Pressure signal Ground rpm Throttle signal	H1-b 26p 16p 12p 22p IG power Pressure signal rpm Ground Throttle signal
H1-c 26p 16p 12p 22p IG power Pressure signal Ground rpm Throttle signal	H2-a There might not be free space of connector 26p 16p 22p rpm IG power Pressure signal Ground Throttle signal
H3-a 14p 20p Pressure signal IG power Ground Throttle signal rpm	H3-b 14p 20p Throttle signal IG power Pressure signal rpm Ground
H4-a 26p 22p IG power Pressure signal Ground rpm Throttle signal	H4-b 26p 22p IG power rpm Pressure signal Ground Throttle signal
H4-c 26p 22p IG power rpm Pressure signal Ground	H5-a 32p 31p 16p Ground IG power Throttle signal Pressure signal rpm

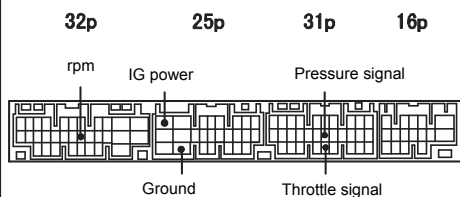
H5-b



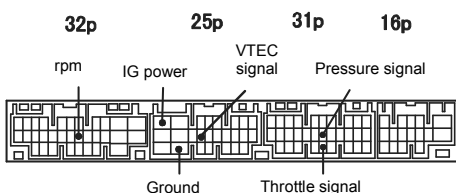
H5-c



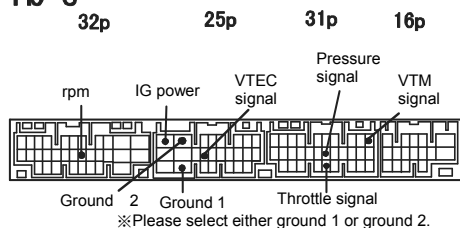
H6-a



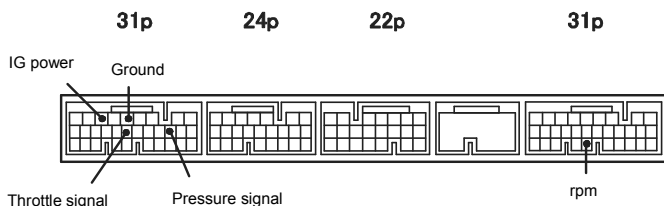
H6-b



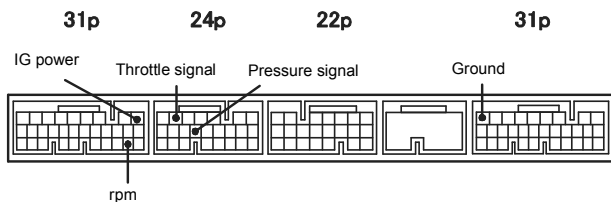
H6-c



H7-a



H7-b



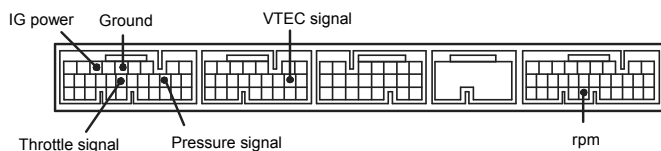
H7-c

31p

24p

22p

31p



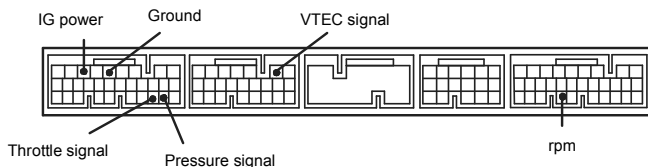
H8-a

31p

24p

17p

31p

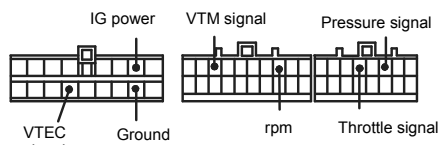


H9-a

18p

20p

16p



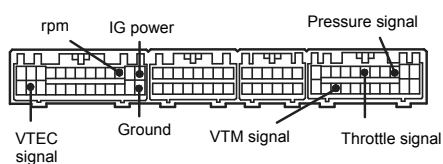
H10-a

26p

16p

12p

22p



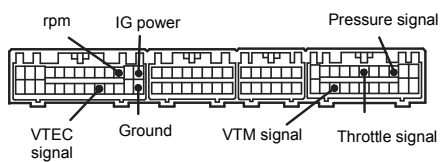
H10-b

26p

16p

12p

22p



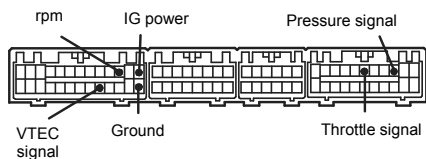
H10-c

26p

16p

12p

22p



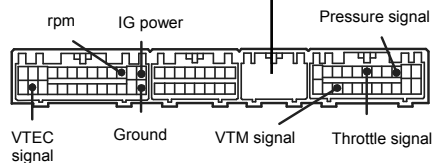
H11-a

There might not be free space of connector

26p

16p

22p

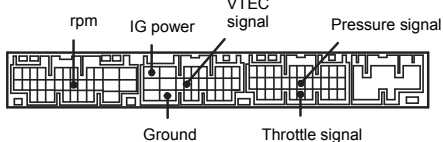


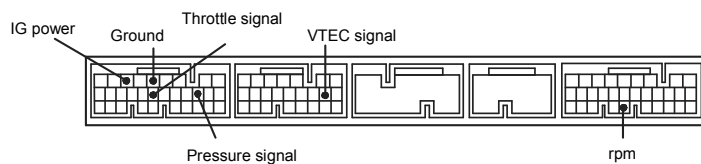
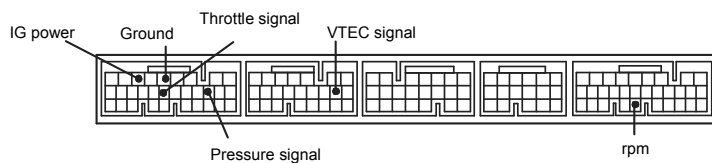
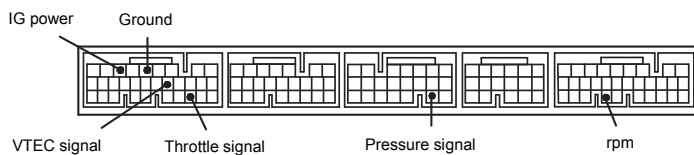
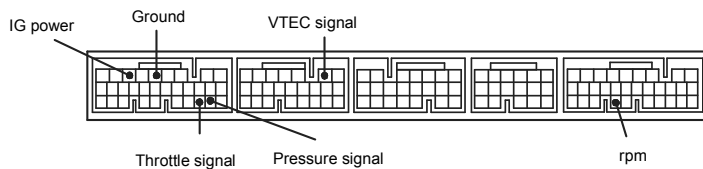
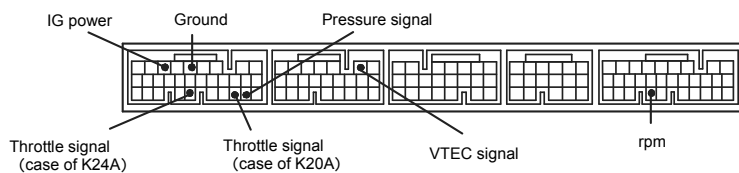
H12-a

32p

25p

31p



H13-a**31p****24p****31p****H14-a****31p****24p****22p****17p****31p****H14-b****31p****24p****22p****17p****31p****H14-c****31p****24p****22p****17p****31p****H14-d****31p****24p****22p****17p****31p**

MEMO



Table of Applicable Models (MITSUBISHI)

Explanation of sensor type indication

Example PR-3

Sensor type Sensor number

HW—HotWire

PR—Pressure

FL—Flap

KR—Karman

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
DIAMANTE	F46A	6G72	'97.8~'02.9	E	M5-a	KR	
			'96.1~'97.7		M6-a		Without MIVEC
			'97.8~'02.9		M5-a		
	F36A		'96.1~'97.7		M3-b	PR-5	With MIVEC
			'95.1~'95.12		M6-a	KR	Without MIVEC
					M3-b	PR-5	With MIVEC
					M6-a	KR	DOHC
	F17A		'90.5~'94.12	A	M2-a		
DIAMANTE WAGON	F36W	6G7	'97.10~'02.9	E	M6-b	KR	
GTO	Z16A	6G72	'90.10~'00.7	E	M2-a	KR	
FTO	DE3A	6A12	'97.2~'00.7	B	M6-a	KR	Without MIVEC A/T
					M3-a		Without MIVEC M/T
			'94.10~'97.1		M3-b	PR-5	With MIVEC
			'96.2~'00.7		M3-a	KR	
			'94.10~'96.1		M2-a		
	M3-a						
	DE2A	4G93					
LEGNUM	EC5W	6A13	'96.8~'02.8	E	M3-a	KR	DOHC T/C
GALANT	EC5A	6A13	'96.8~'02.8	E	M3-a	KR	DOHC T/C
	E84A	6A12	'92.5~'96.7		M2-a		
	E39A	4G63	'87.10~'92.4	B	M1-a		DOHC
ECLIPSE	D32A	4G63	'95.6~'99.12	E	M3-a	KR	
	D27A		'89.11~'95.5		M1-a		
LIBERO	CD5W	4G93	'92.5~'00.5	B	M2-a	KR	

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
LANCER EVOLUTION	CT9A	4G63	'05.3~'06.12	D	M5-a	KR	IX
			'04.2~'05.2				VIII MR
			'03.1~'04.1				VIII
			'01.2~'02.3		M3-a		VII
			'02.2~'02.12		M6-a		GT-A
	CP9A		'98.1~'01.1	B	M3-a		Including V、VI、TM
	CN9A		'96.8~'97.12				IV
	CE9A		'93.10~'96.7				II、III
	CD9A		'92.10~'93.9		I		
	LANCER	CK4A	4G92		'95.10~'00.5	M3-b	PR-5
CM5A		4G93	M3-a	KR			
CD5A			M2-a				
RVR	N73WG	4G63	'97.11~'02.8	B	M3-a	KR	M/T
				M6-a	A/T		
	N23W	4G63	'92.9~'97.10	B	M2-a		
ek WAGON	H81W	3G83	'02.9~'06.8	B	M3-b	PR-12	
			'01.10~'02.8		M4-a		
ek SPORTS	H81W	3G83	'02.9~'06.8	B	M3-b	PR-12	
MIRAGE	CM5A	4G93	'95.10~'00.5	B	M3-a	KR	T/C
	CJ4A	4G92			M3-b	PR-5	MIVEC
	CA4A				M2-a		
MIRAGE DINGO	CQ1A	4G13	'00.1~'02.8	E	M6-c	PR-12	
AIRTREK	CU2W	4G63	'02.6~'05.10	E	M6-a	KR	T/C

■ ECU Terminal Arrangement Table (MITSUBISHI)

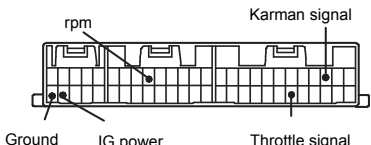
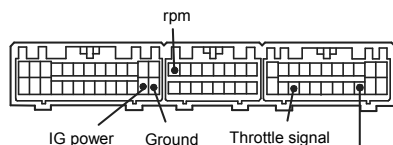
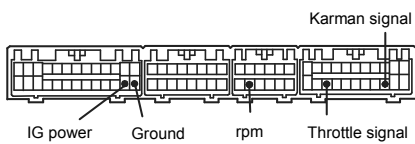
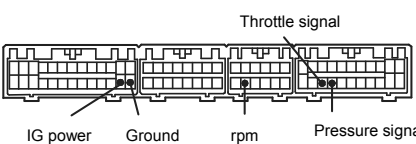
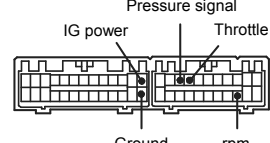
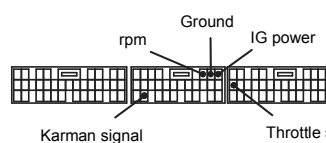
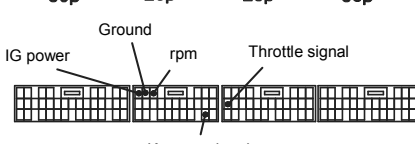
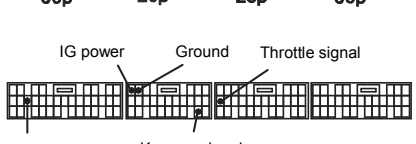
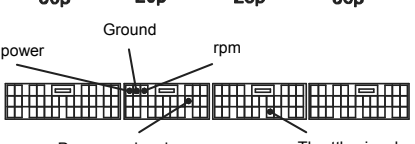
M1-a 10p 18p 24p  rpm Karman signal Ground IG power Throttle signal	M2-a 26p 16p 22p  rpm IG power Ground Throttle signal Karman signal/Pressure signal
M3-a 26p 16p 12p 22p  Karman signal IG power Ground rpm Throttle signal	M3-b 26p 16p 12p 22p  Throttle signal IG power Ground rpm Pressure signal
M4-a 26p 22p  Pressure signal IG power Throttle signal Ground rpm	M5-a 35p 28p 30p  rpm Ground IG power Karman signal Throttle signal
M6-a 35p 26p 28p 30p  Ground IG power rpm Throttle signal Karman signal	M6-b 35p 26p 28p 30p  IG power Ground Throttle signal rpm Karman signal
M6-c 35p 26p 28p 30p  IG power Ground rpm Pressure signal Throttle signal	

Table of Applicable Models (MAZDA)

Explanation of sensor type indication

Example PR-3

Sensor type	Sensor number
Temperature	1
Humidity	2
Light	3
Sound	4
Gas	5
Proximity	6
Acceleration	7
Rotation	8
Pressure	9
Distance	10
Color	11
Image	12
Video	13
Audio	14
Microphone	15
Speaker	16
Display	17
Keypad	18
Touchscreen	19
Barcode	20
RFID	21
GPS	22
Compass	23
Accelerometer	24
Gyroscope	25
Magnetometer	26
Barometer	27
Thermometer	28
Hygrometer	29
Light sensor	30
Sound sensor	31
Gas sensor	32
Proximity sensor	33
Acceleration sensor	34
Rotation sensor	35
Pressure sensor	36
Distance sensor	37
Color sensor	38
Image sensor	39
Video sensor	40
Audio sensor	41
Microphone sensor	42
Speaker sensor	43
Display sensor	44
Keypad sensor	45
Touchscreen sensor	46
Barcode sensor	47
RFID sensor	48
GPS sensor	49
Compass sensor	50
Accelerometer sensor	51
Gyroscope sensor	52
Magnetometer sensor	53
Barometer sensor	54
Thermometer sensor	55
Hygrometer sensor	56
Light sensor sensor	57
Sound sensor sensor	58
Gas sensor sensor	59
Proximity sensor sensor	60
Acceleration sensor sensor	61
Rotation sensor sensor	62
Pressure sensor sensor	63
Distance sensor sensor	64
Color sensor sensor	65
Image sensor sensor	66
Video sensor sensor	67
Audio sensor sensor	68
Microphone sensor sensor	69
Speaker sensor sensor	70
Display sensor sensor	71
Keypad sensor sensor	72
Touchscreen sensor sensor	73
Barcode sensor sensor	74
RFID sensor sensor	75
GPS sensor sensor	76
Compass sensor sensor	77
Accelerometer sensor sensor	78
Gyroscope sensor sensor	79
Magnetometer sensor sensor	80
Barometer sensor sensor	81
Thermometer sensor sensor	82
Hygrometer sensor sensor	83
Light sensor sensor sensor	84
Sound sensor sensor sensor	85
Gas sensor sensor sensor	86
Proximity sensor sensor sensor	87
Acceleration sensor sensor sensor	88
Rotation sensor sensor sensor	89
Pressure sensor sensor sensor	90
Distance sensor sensor sensor	91
Color sensor sensor sensor	92
Image sensor sensor sensor	93
Video sensor sensor sensor	94
Audio sensor sensor sensor	95
Microphone sensor sensor sensor	96
Speaker sensor sensor sensor	97
Display sensor sensor sensor	98
Keypad sensor sensor sensor	99
Touchscreen sensor sensor sensor	100
Barcode sensor sensor sensor	101
RFID sensor sensor sensor	102
GPS sensor sensor sensor	103
Compass sensor sensor sensor	104
Accelerometer sensor sensor sensor	105
Gyroscope sensor sensor sensor	106
Magnetometer sensor sensor sensor	107
Barometer sensor sensor sensor	108
Thermometer sensor sensor sensor	109
Hygrometer sensor sensor sensor	110
Light sensor sensor sensor sensor	111
Sound sensor sensor sensor sensor	112
Gas sensor sensor sensor sensor	113
Proximity sensor sensor sensor sensor	114
Acceleration sensor sensor sensor sensor	115
Rotation sensor sensor sensor sensor	116
Pressure sensor sensor sensor sensor	117
Distance sensor sensor sensor sensor	118
Color sensor sensor sensor sensor	119
Image sensor sensor sensor sensor	120
Video sensor sensor sensor sensor	121
Audio sensor sensor sensor sensor	122
Microphone sensor sensor sensor sensor	123
Speaker sensor sensor sensor sensor	124
Display sensor sensor sensor sensor	125
Keypad sensor sensor sensor sensor	126
Touchscreen sensor sensor sensor sensor	127
Barcode sensor sensor sensor sensor	128
RFID sensor sensor sensor sensor	129
GPS sensor sensor sensor sensor	130
Compass sensor sensor sensor sensor	131
Accelerometer sensor sensor sensor sensor	132
Gyroscope sensor sensor sensor sensor	133
Magnetometer sensor sensor sensor sensor	134
Barometer sensor sensor sensor sensor	135
Thermometer sensor sensor sensor sensor	136
Hygrometer sensor sensor sensor sensor	137
Light sensor sensor sensor sensor sensor	138
Sound sensor sensor sensor sensor sensor	139
Gas sensor sensor sensor sensor sensor	140
Proximity sensor sensor sensor sensor sensor	141
Acceleration sensor sensor sensor sensor sensor	142
Rotation sensor sensor sensor sensor sensor	143
Pressure sensor sensor sensor sensor sensor	144
Distance sensor sensor sensor sensor sensor	145
Color sensor sensor sensor sensor sensor	146
Image sensor sensor sensor sensor sensor	147
Video sensor sensor sensor sensor sensor	148
Audio sensor sensor sensor sensor sensor	149
Microphone sensor sensor sensor sensor sensor	150
Speaker sensor sensor sensor sensor sensor	151
Display sensor sensor sensor sensor sensor	152
Keypad sensor sensor sensor sensor sensor	153
Touchscreen sensor sensor sensor sensor sensor	154
Barcode sensor sensor sensor sensor sensor	155
RFID sensor sensor sensor sensor sensor	156
GPS sensor sensor sensor sensor sensor	157
Compass sensor sensor sensor sensor sensor	158
Accelerometer sensor sensor sensor sensor sensor	159
Gyroscope sensor sensor sensor sensor sensor	160
Magnetometer sensor sensor sensor sensor sensor	161

HW—HotWire

PR—Pressure

FL-Flap

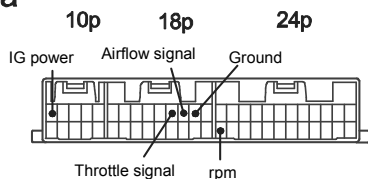
KR—Karman

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
EUNOS COSMO	JC3S	13B－REW	‘94.3～‘95.8	ECU：C	Z3－a	FL－6	Set the number of cylinders “4”
	JC3SE		‘90.3～‘94.2				
	JCES	20B－REW	‘94.3～‘95.8	EC－AT：B			Set the number of cylinders “6”
	JCESE		‘90.3～‘94.2				
RX-7	FD3S	13B－REW	‘95.12～‘02.8	A	Z4－a	PR－4	Set the number of cylinders “4”
			‘91.12～‘95.11		Z3－b		
	FC3S	13B	‘89.3～‘91.11	C	Z2－a	FL－6	
			‘85.9～‘89.2		Z1－a	FL－5	
ROADSTER	NA8C	BP－ZE	‘95.8～‘97.12	C	Z6－a	HW－11	
			‘93.8～‘95.7		Z5－a		
	NA6CE	B6－ZE	‘89.9～‘93.7		Z5－c	FL－8	M／T
					Z5－a		A／T
FAMILIA	BJ5P	ZL－DE	‘98.6～‘03.6	D	Z3－c	HW－22	4WD M／T
					Z8－a		4WD A／T
		ZL－VE	‘98.6～‘99.7		Z3－c		2WD
			‘98.6～‘01.11				M／T
	BJ3P	B3－ME	‘98.6～‘02.8		A／T		
	BG8Z	BP－ZET	‘89.8～‘94.3	E	Z5－b	FL－7	
	AZ-WAGON	MD22S	K6A T／C	‘00.12～‘05.7	L	Z7－a	PR－8
			Z7－b			A／T	
MD12S		F6A T／C	‘98.10～‘00.11	Z7－c			
MD21S		K6A T／C		Z7－a			
MD11S	F6A T／C						
DEMIO	DY5W	ZY－VE	‘02.8～‘05.3	L	Z9－a	HW－22	
	DY3W	ZJ－VE					Set the number of cylinders “1”

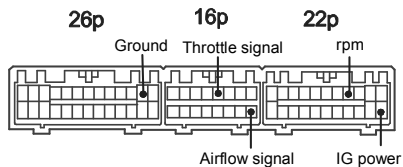
Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
ATENZA SPORT	GGES	LF—DE	'02.5~'05.5	C	Z10—a	HW—22	Set the number of cylinders “2”
	GG3S	L3—VE	'02.10~'05.5				Set the number of cylinders “2” M／T
ATENZA SPORT WAGON	GYEW	LF—DE	'02.5~'05.5	C	Z10—a		Set the number of cylinders “2”
	GY3W	L3—VE	'02.10~'05.5				Set the number of cylinders “2” M／T
ATENZA SEDAN	GGEF	LF—DE	'02.5~'05.5	C	Z10—a		Set the number of cylinders “2”
	GG3P	L3—VE					
VERISA	DC5W	ZY—VE	'04.6~'06.7	L	Z9—a		Set the number of cylinders “1”

ECU Terminal Arrangement Table (MAZDA)

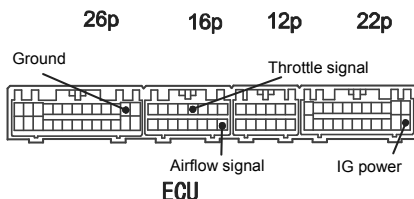
Z1-a



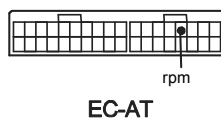
Z2-a



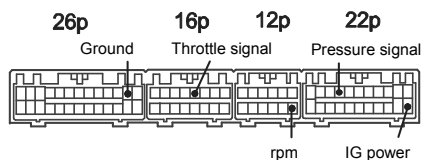
Z3-a



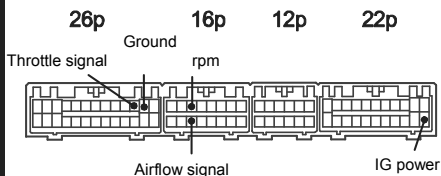
Z3-b



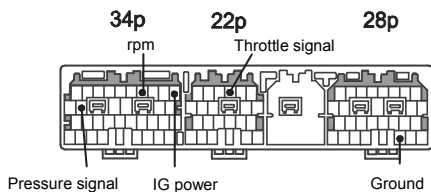
Z3-b



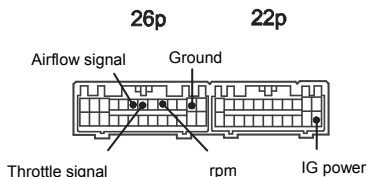
Z3-c



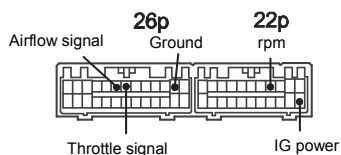
Z4-a



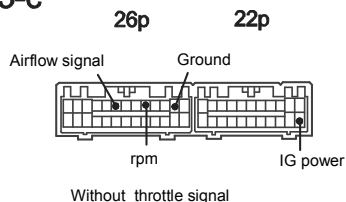
Z5-a



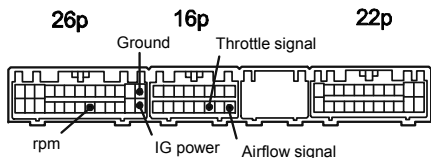
Z5-b



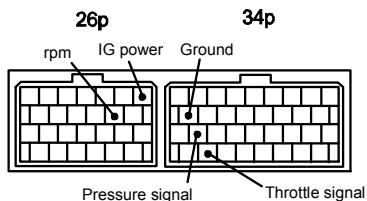
Z5-c



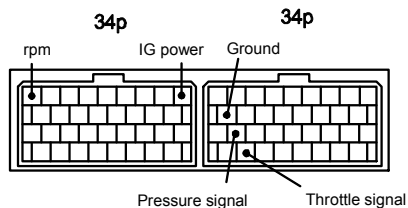
Z6-a



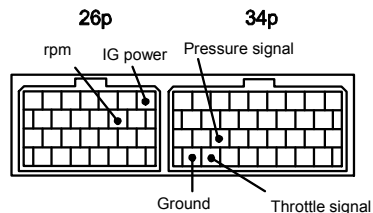
Z7-a



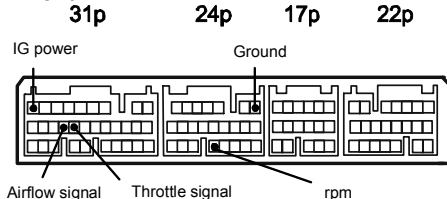
Z7-b



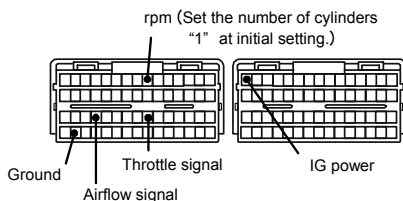
Z7-c



Z8-a



Z9-a



Z10-a

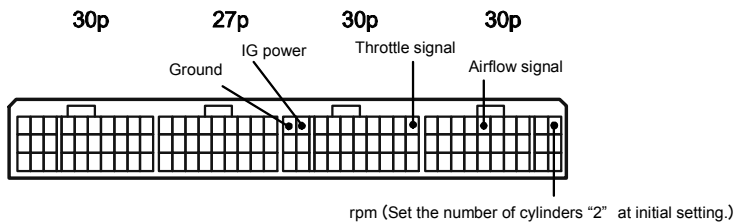




Table of Applicable Models (SUBARU)

Explanation of sensor type indication

Example PR-3

Sensor type Sensor number

HW—HotWire

PR—Pressure

FL—Flap

KR—Karman

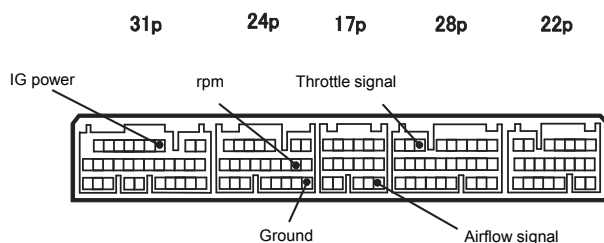
Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
LEGACY B4	BE9	EJ254	'01.5~'03.4	C	F5-b	HW-16	
	BE5	EJ208 EJ206			F7-c	HW-20	
			F4-a				
		EJ204	F5-b		HW-16		
			F4-a				
	LEGACY TOURING WAGON	BH9 BHC	EJ254		'01.5~'03.4	C	F5-b
'98.6~'01.4				F4-a			
BH5		EJ208 EJ206	'01.5~'03.4	F7-c	HW-20		
			'98.6~'01.4				F4-a
		EJ204	'00.6~'03.4	F5-b	HW-16		
			'98.6~'00.5	F4-a			
LEGACY	BD5 BG5	EJ20R	'96.6~'98.5	C	F1-b	HW-1	M/T
		EJ20H EJ20D			F3-a	HW-4	A/T
					F2-a		T/C
		F1-a	NA				
	BD9 BG9	EJ25D	'96.6~'98.5		F3-a		
			'94.10~'96.9		F1-a		
	BC5 BF5	EJ20G	'89.2~'93.9	H	F2-b	HW-10	
FORESTER	SG5	EJ205	'02.2~'06.12	D	F7-a	HW-20	M/T
			F7-b		A/T		
	SF5	EJ20G	'98.9~'02.1	C	F4-a	HW-1	
			'97.2~'98.8		F1-b	HW-4	

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
IMPREZA	GDB GGB	EJ207	‘00.10～‘05.5	C	F7—a	HW—20	Including Spec C
	GDA GGA	EJ205	‘00.8～‘05.5				
	GD9	EJ204	‘00.8～‘03.8		F5—b	HW—16	
	GG9		‘00.8～‘04.5				
	GG3 GG2	EJ152	‘00.8～‘05.5		F5—a	PR—8	M／T
	GC8 GF8	EJ207 EJ205	‘98.9～‘00.7		F4—a	HW—1	
		EJ20K	‘96.9～‘98.8				F1—b
		EJ20G	‘92.11～‘96.8		F2—b	HW—4	
						HW—10	
	PLEO	RA2 RA1	EN07E		‘01.10～‘07.6	B	F6—a
EN07Z			‘01.10～‘05.9	SOHC S／C			
EN07X			‘01.10～‘03.12	DOHC S／C			
EN07			‘98.10～‘01.9	F2—c	SOHC S/C (Except the Mild Charge)		
					DOHC S／C		

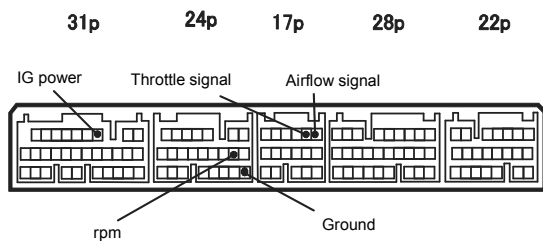
■ ECU Terminal Arrangement Table (SUBARU)

F1-a 26p 16p 22p rpm Ground Throttle signal Airflow signal IG power	F1-b 26p 16p 22p rpm Throttle signal Ground Airflow signal IG power
F2-a 26p 16p 12p 22p rpm Throttle signal IG power Ground Airflow signal	F2-b 26p 16p 12p 22p rpm Ground IG power Throttle signal Airflow signal
F2-c 26p 16p 12p 22p rpm Throttle signal IG power Ground Pressure signal	F3-a 9p 9p 19p 18p 33p rpm Throttle signal Ground Airflow signal IG power
F4-a 32p 32p 32p rpm Throttle signal IG power Airflow signal Ground	F5-a 35p 26p 20p 28p rpm Throttle signal IG power Pressure signal Ground
F5-b 35p 26p 20p 28p rpm Throttle signal IG power Airflow signal Ground	F6-a 35p 28p 30p rpm Throttle signal IG power Pressure signal Ground

F7-a



F7-b



F7-c

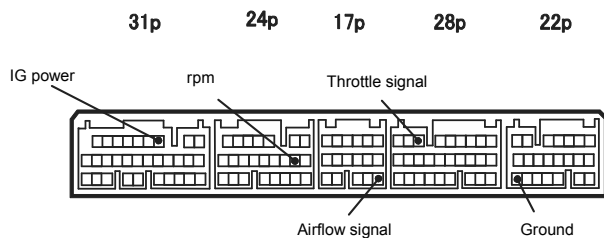


Table of Applicable Models (SUZUKI)

Explanation of sensor type indication

Example PR-3

Sensor type Sensor number

HW—HotWire

PR—Pressure

FL—Flap

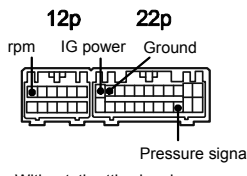
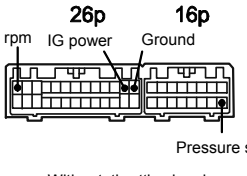
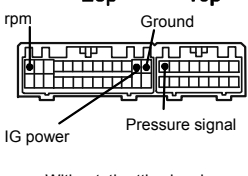
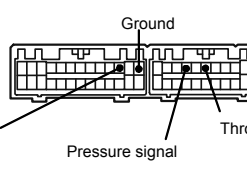
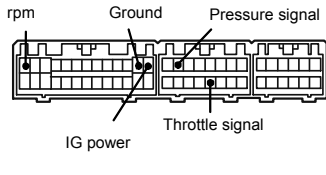
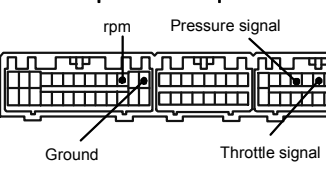
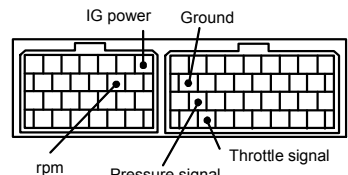
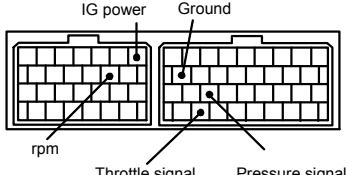
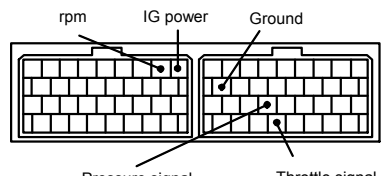
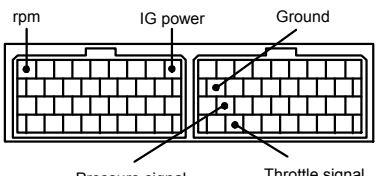
KR—Karman

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
ALTO WORKS	HA22S	K6A T／C	'99.10～'00.12	L	S8—a	PR—8	With VVT
			'98.10～'00.12		S6—a		
	HA12S	F6A T／C					
	HA21S HB21S	K6A T／C	'94.11～'98.9	B	S3—a		
	HA11S HB11S	F6A T／C			S2—a		M／T
					S4—a		A／T
CAPPUCCINO	EA21R	K6A T／C	'95.5～'97.12	K	S5—a	PR—8	
	EA11R	F6A T／C	'91.10～'95.4	B	S1—a		
WAGON R	MH21 S	K6A T／C	'03.9～'07.4	L	S10—a	PR—17	•Set the number of cylinders “1” •With Mild turbo
	MC22S		'01.11～'03.8		S7—b	PR—8	
					'00.12～'01.10		S6—a
			S7—b		A／T		
	MC12S	F6A T／C	'00.12～'01.4		S6—b		
	MC21S	K6A T／C	'98.10～'00.11		S6—a		
	MC11S	F6A T／C					
	CT51S CV51S	K6A T／C	'97.4～'98.9	B	S5—a		
	CT21S CV21S	F6A T／C	'95.10～'97.10		S2—a		M／T
			'95.10～'98.5		S4—a		A／T
					S1—a		M／T
			'93.9～'95.9		S4—a		A／T
WAGON R PLUS	MA63S	K10A T／C	'99.5～'00.11		B	S9—b	PR—8
WAGON R WIDE	MA61S MB61S	K10A T／C	'97.2～'99.12	B	S5—a	PR—8	
WAGON R SOLIO	MA34S	M13A	'00.12～'05.7	B	S9—c	PR—13	
	MA64S	K10A	'00.12～'02.10		S9—b	PR—8	

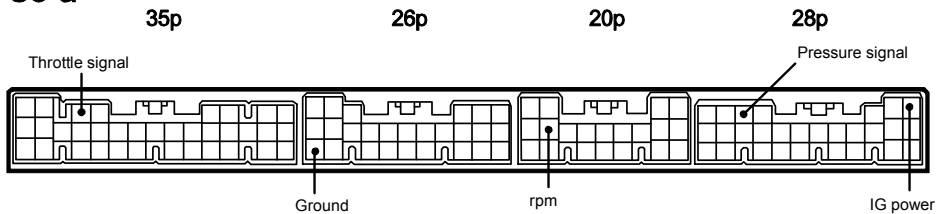
Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
MR WAGON	MF21S	K6A T／C	'01.11～'05.12	L	S7－b	PR－8	
		K6A			S7－a	PR－13	
Kei	HN22S	K6A T／C	'01.4～'07.5	L	S6－a	PR－8	M／T
					S7－b		
		K6A				S6－a	
	HN12S	F6A T／C	'01.4～'01.10		S6－b	PR－13	
	HN21S	K6A T／C	'98.10～'01.3		S6－a	PR－8	
	HN11S	F6A T／C					
JIMNY	JB23W	K6A T／C	'98.10～'08.5	L	S6－a	PR－8	
	JA22W		'95.11～'98.9	B	S3－a		M／T
	JA12W	F6A T／C			S2－b		M／T
ALTO LAPIN	HE21S	K6A T／C	'03.9～'04.9	L	S7－b	PR－17	A／T
			'02.10～'03.8				
		K6A	'02.1～'03.8		S7－a		
CHEVROLET CRUZE	HR51S	M13A	'01.10～'03.10	L	S9－a	PR－13	
SWIFT SPORT	ZC31S	M16A	'05.9～'07.4	L	S11－a	HW－24	

In some SUZUKI vehicles, A HITACHI pressure sensor is used instead of the conventional MITSUBISHI pressure sensor. If any engine malfunction or defect is detected when the sensor type mentioned in the above table is set, check the manufacturer name of the pressure sensor used in the vehicle. If the HITACHI pressure sensor is used, set the sensor type to **PR-17**.

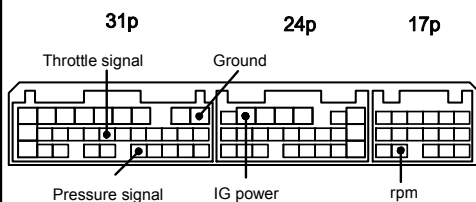
■ ECU Terminal Arrangement Table (SUZUKI)

S1-a  12p 22p rpm IG power Ground Pressure signal Without throttle signal	S2-a  26p 16p rpm IG power Ground Pressure signal Without throttle signal
S2-b  26p 16p rpm Ground IG power Pressure signal Without throttle signal	S3-a  26p 22p rpm Ground Pressure signal IG power Throttle signal Without throttle signal
S4-a  26p 16p 12p rpm Ground IG power Pressure signal Throttle signal Without throttle signal	S5-a  26p 16p 22p rpm Ground Pressure signal Throttle signal IG power Without throttle signal
S6-a  26p 34p rpm IG power Ground Pressure signal Throttle signal Without throttle signal	S6-b  26p 34p rpm IG power Ground Throttle signal Pressure signal Without throttle signal
S7-a  34p 34p rpm IG power Ground Pressure signal Throttle signal Without throttle signal	S7-b  34p 34p rpm IG power Ground Pressure signal Throttle signal Without throttle signal

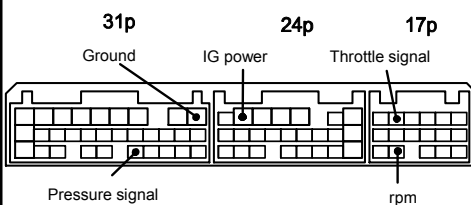
S8-a



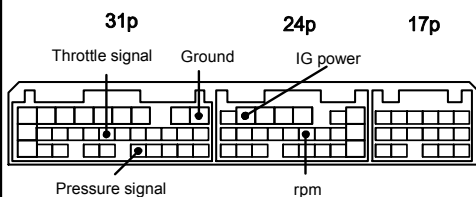
S9-a



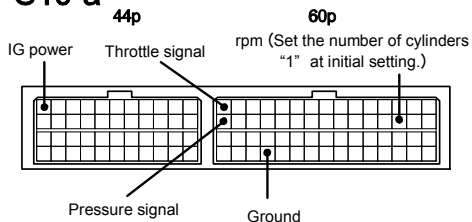
S9-b



S9-c



S10-a



S11-a

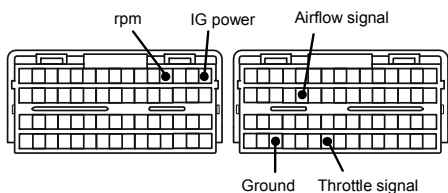




Table of Applicable Models (DAIHATSU)

Explanation of sensor type indication

Example PR-3

Sensor type Sensor number

HW—HotWire

PR—Pressure

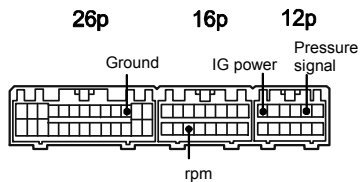
FL—Flap

KR—Karman

Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
MIRA AVY	L260S L250S	EF—DET	‘02.12~‘06.12	D	D5—a	PR—8	
MIRA	L710S L700S	EF—DET	‘98.10~‘00.9	D	D2—a	PR—8	
MIRA TR-XX	L512S L502S	JB—JL	‘94.9~‘98.9	D	D1—a	PR—8	
MOVE	L152S	JB—DET	‘02.10~‘06.9	D	D5—a	PR—15	
	L160S L150S	EF—DET				PR—8	
	L900S				D3—a		
			‘01.10~‘02.9		D4—a		
	‘00.10~‘01.9						
	L902S	JB—DET	‘01.10~‘02.9		D3—a	PR—15	
	L910S	EF—DET				PR—8	
	L902S	JB—DET	‘98.10~‘01.9		D4—a	PR—15	
	L910S	EF—DET				PR—8	
L602S	JB—JL	‘95.8~‘98.9	D1—a				
COPEN	L880K	JB—DET	‘02.6~‘08.11	D	D3—a	PR—15	
MAX	L952S	JB—DET	‘01.10~‘05.11	D	D3—a	PR—15	
	L960S	EF—DET				PR—8	
BOON	M300S	1KR—FE	‘04.6~‘06.11	D	D5—b	PR—20	Set the number of cylinders “1”

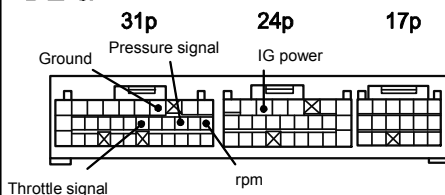
■ ECU Terminal Arrangement Table (DAIHATSU)

D1-a

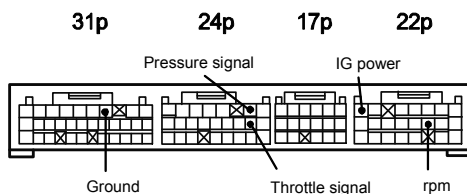


Without throttle signal

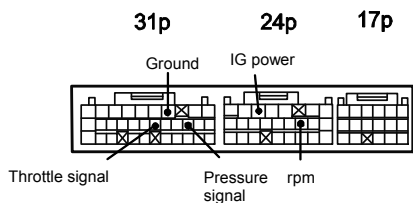
D2-a



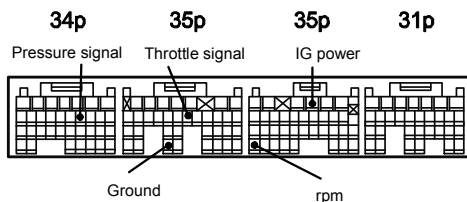
D3-a



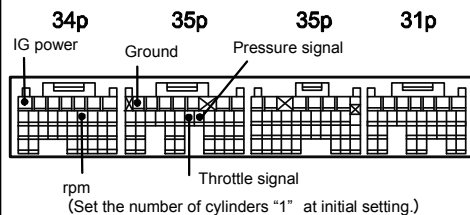
D4-a



D5-a



D5-b



MEMO

MEMO

Notes

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