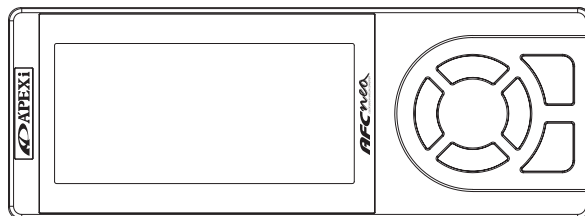


AFC *neo*
COLOR DISPLAY AIRFLOW CONVERTER

WIRING DIAGRAM BY MODEL



This document describes car models to which the AFC neo (Product code: 401-A917) 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 May, 2008. For the latest vehicles applications, Please contact your local Apex Office or dealer for more information.

APEXi

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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.

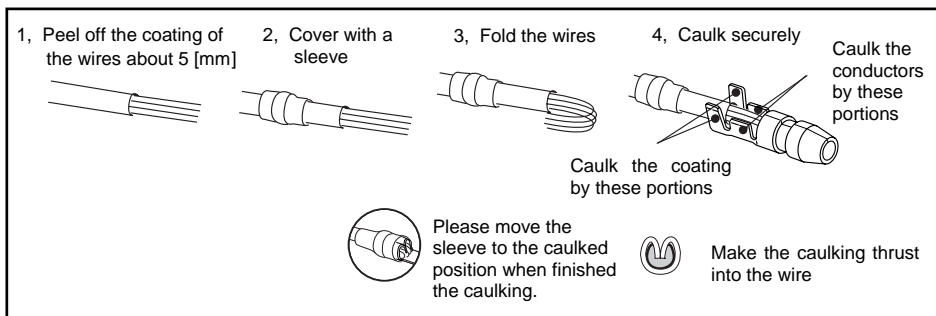
This product may cause noise interference with radio, TV, etc. depending on the mounting location and the routing of the signal harness.

Installation

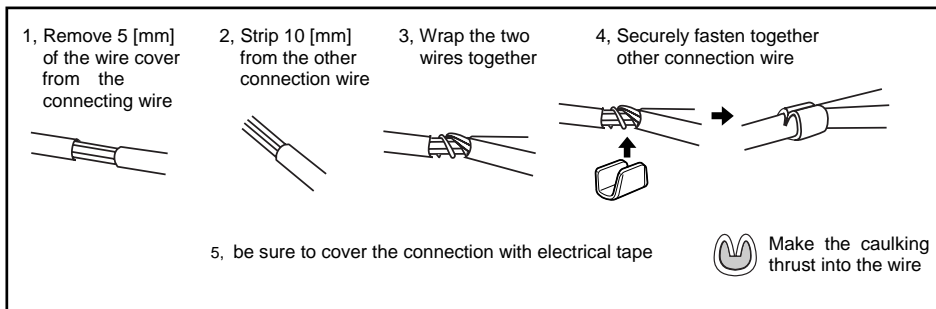
Before installing this product, be sure to remove the negative terminal of the battery.

Connection

Connecting the plug

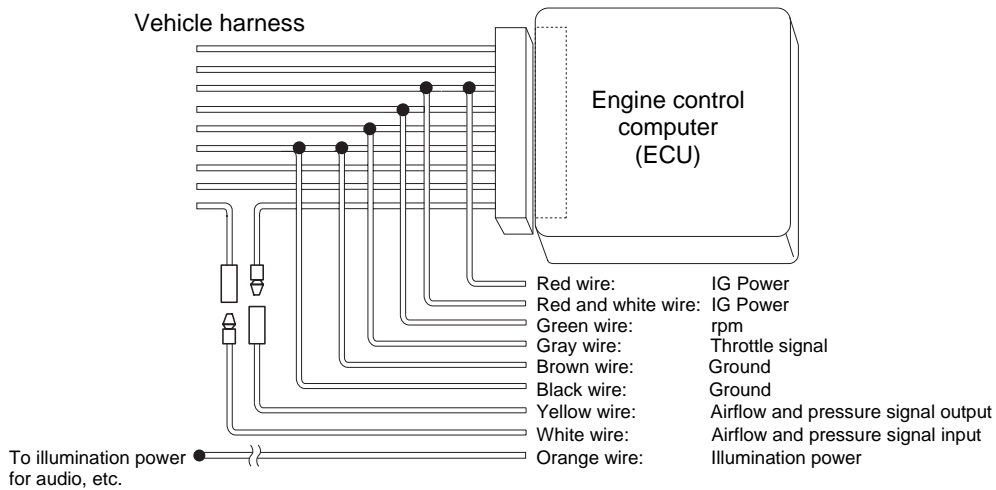


Insulating a splice

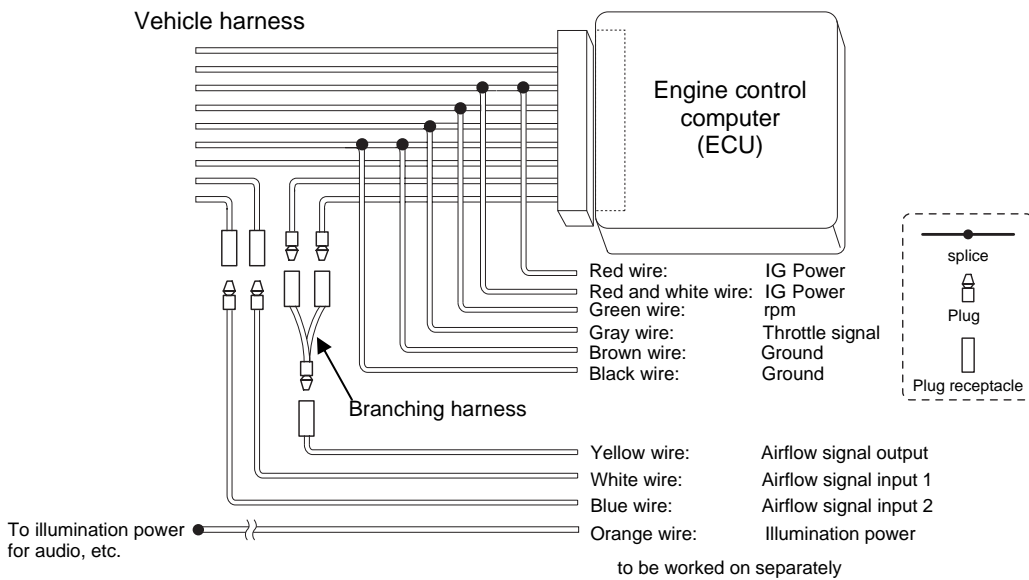


■ Connection diagram

Vehicle with hot wire, flap, and pressure sensor



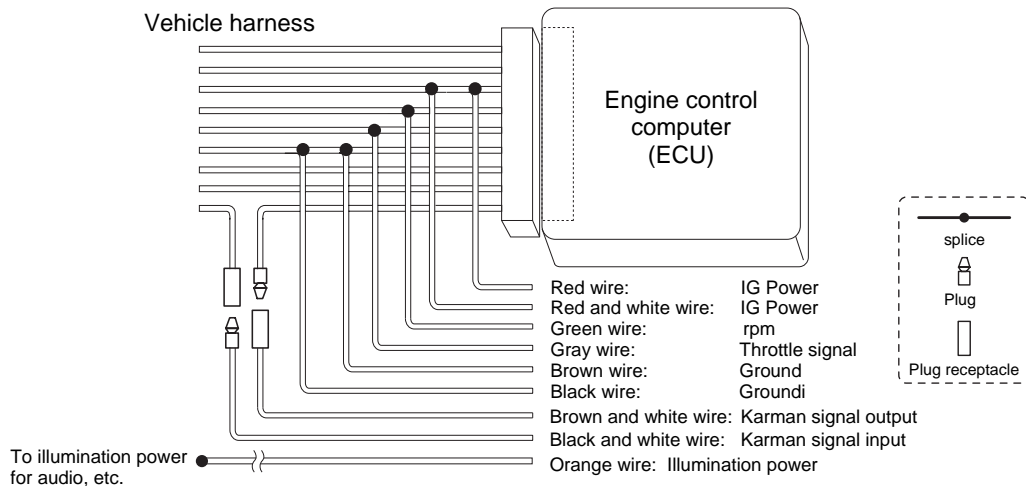
Vehicle with RB26DETT



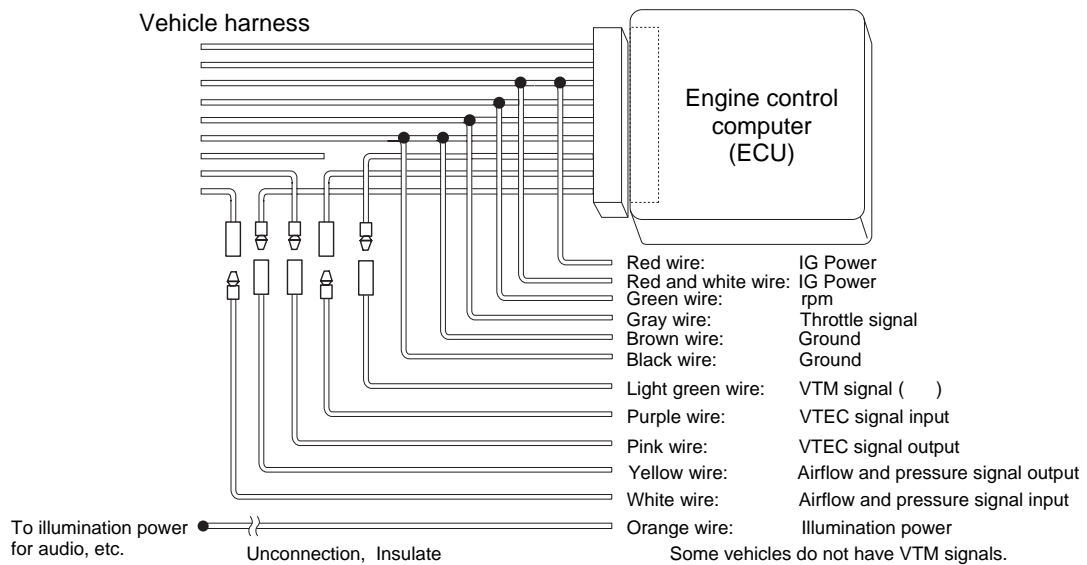
CAUTION Insulate connections and the ends of unused harnesses; otherwise a fire, electric shock, or damage to electrical equipment may occur.

Connection diagram

Vehicle with Karman sensor



Vehicle with VTEC

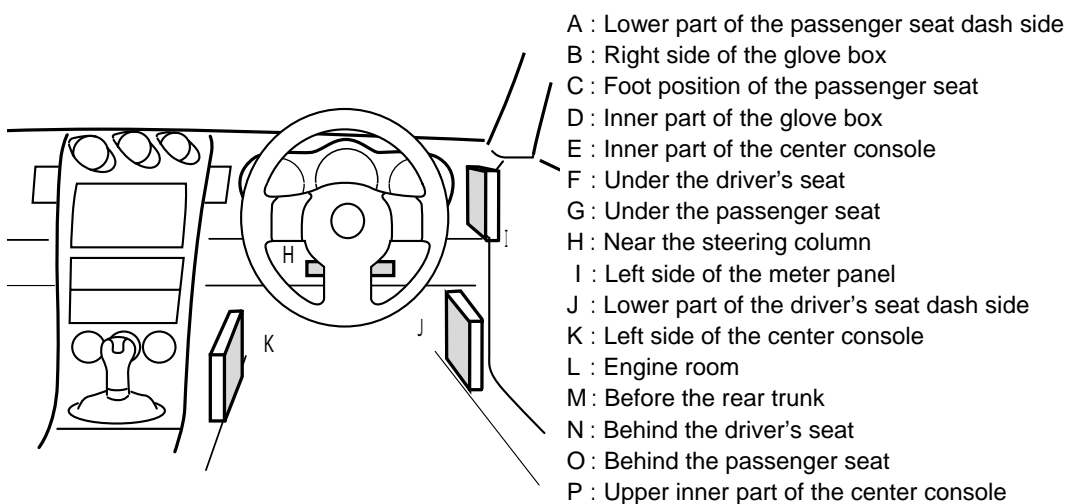
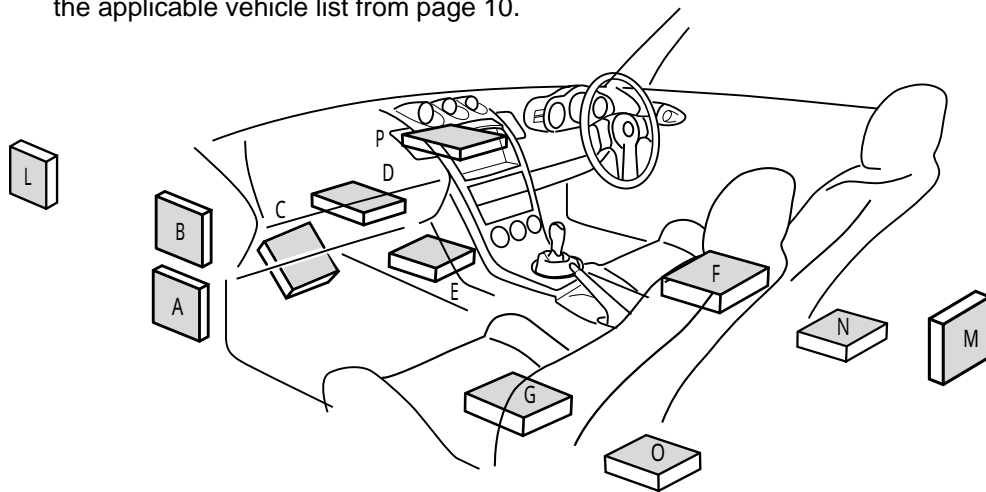


CAUTION

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

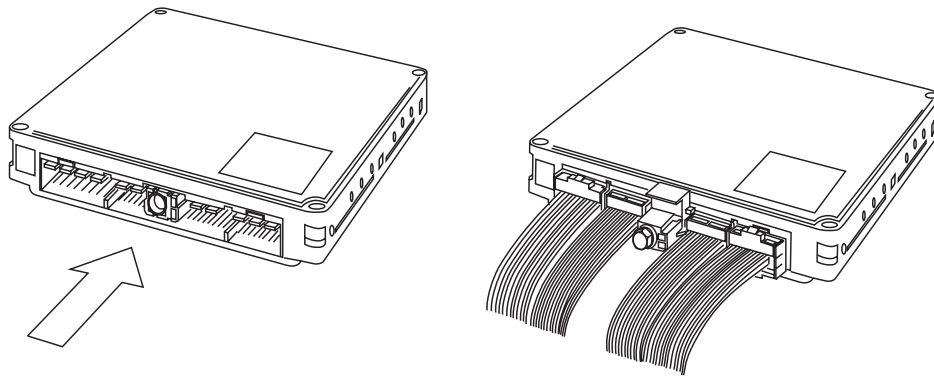
ECU layout

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

FL - Flap

PR - Pressure

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	
			'94.10 ~ '97.6	D	T8 - a	HW - 12	
	UCF1#		'92.9 ~ '94.9			D	T5 - e
			'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	
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		
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		T8 - a	PR - 3	
	UZZ31	1UZ - FE	'94.1 ~ '95.4		T7 - a	KR	
			'91.5 ~ '93.12	T5 - a			
	MZ20	7M - GTE	'88.1 ~ '91.4	D	T2 - b		
			'86.1 ~ '87.12		T5 - a		
GZ20	1G - GTE	'88.1 ~ '91.4	T5 - a		FL - 1		
		'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			
			2JZ - GE		'93.5~'97.7	T7 - b	PR - 1		
	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	T5 - a		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	HW - 23	
		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		
			'94.9~'96.8		T8 - d	PR - 1			
	JZX90	1JZ - GE	'92.10~'94.8		T8 - b				
			'92.10~'96.8		T6 - a				
	JZX91	2JZ - GE	'94.9~'96.8		T8 - c	PR - 3			
			'92.10~'94.8		T8 - b				
	JZX81	1JZ - GTE	'90.8~'92.9	D	T6 - a	PR - 1			
		1JZ - GE			T6 - a	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					
	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	M/T	
			'96.6 ~ '99.8		T4 - c		A/T	
		3S - FE	'95.8 ~ '96.5		T5 - f		M/T	
			'93.10 ~ '95.7		T4 - a		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
			'95.10 ~ '96.5	T5 - f		A/T		
				T4 - a		M/T		
			'94.1 ~ '95.9	T6 - a		A/T With TRC		
			T5 - b	A/T Without TRC				
			T6 - a	With TRC				
		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
			'95.8 ~ '96.5		T5 - f		A/T
			'93.10 ~ '95.7		T4 - a		M/T
					T6 - a		A/T With TRC
		T5 - b	A/T Without TRC				
		T6 - a	With TRC				
		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		
	ST195G	3S - GE			T6 - a		
	ST195G ST191G	3S - FE	'96.1 ~ '97.7		T4 - c	PR - 3	M/T
					T5 - d		2WD A/T
					T5 - f		4WD A/T
			T6 - a		FF With TRC		
			T5 - b		FF Without TRC		
			T4 - a		4WD M/T		
	'94.2 ~ '95.12	T5 - b	4WD A/T				
		T6 - a	FF A/T				
		T4 - a	4WD M/T				
	'92.11 ~ '94.1	T5 - b	4WD A/T				
T4 - b		M/T					
T5 - b		A/T					
ST190G	4S - FE	'92.11 ~ '95.12					
COROLLA FX	AE101	4A - GE	'92.5 ~ '95.4	E	T4 - a	FL - 4	M/T
		T5 - b			A/T		
		4A - FE			T4 - a	M/T	
	AE92	4A - GE	'89.5 ~ '92.4		T5 - b	PR - 3	A/T
					'87.5 ~ '89.4		T4 - a
			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		A/T
	AE92	4A - GE	'89.5 ~ '91.5		T5 - b	PR - 3	M/T
					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		A/T
	AE92	4A - GZE	'89.5 ~ '91.5		T4 - a	PR - 3	M/T
			'87.5 ~ '89.4		T5 - b		A/T
		4A - GE	'89.5 ~ '91.5		T4 - a	PR - 3	
			'87.5 ~ '89.4		T1 - a		
	AE86	4A - GEU	'83.5 ~ '87.4		A	T1 - b	
	CERES MARINO	AE101	4A - GE		'92.5 ~ '95.4	E	T4 - a
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
		4E - FE	'96.1 ~ '97.12		T4 - a		A/T
	EP82	4E - FTE	'89.12 ~ '92.1	E	T3 - b	PR - 3	
			'92.1 ~ '95.12		T3 - a		M/T
		4E - FE	'89.12 ~ '95.12		T4 - a		A/T
	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
	SXA11W SXA10W	3S - GE	'96.8 ~ '00.4		T5 - f		A/T
					T5 - b		
	SXA11G	3S - FE	'95.4 ~ '97.8		T4 - a		M/T
	SXA10G				T5 - b		A/T
T4 - a					M/T		
T5 - b	A/T						
VITZ	KSP90	1KR - FE	'05.2 ~	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	HW - 24	
	NCP20	2NZ - FE					
	NCP25 NCP21	1NZ - FE			T9 - c		
	NCP20	2NZ - FE					With Steer matic

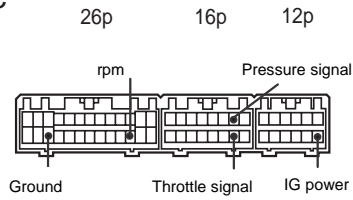
Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
COROLLA	ZZE12#	1ZZ - FE	'02.9 ~ '06.10	D	T12 - a	HW - 24	
	NZE124 NZE121	1NZ - FE					
	ZZE12#	1ZZ - FE	'00.8 ~ '02.8		T9 - a		
	NZE124 NZE121	1NZ - FE			T6 - b		
COROLLA FIELDER	ZZE123G	2ZZ - GE	'02.9 ~ '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	'01.1 ~ '02.8		T10 - g		
	ZZE123	2ZZ - GE			T6 - b		
	NZE124 NZE121	1NZ - FE					
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 ~	B	T11 - c	HW - 24	
PASSO	KGC10	1KR - FE	'04.6 ~	D	T13 - a	PR - 20	Set the number of cylinders "1"
PORTE	NNP1#	1NZ - FE 2NZ - FE	'04.7 ~	D	T12 - a	HW - 24	

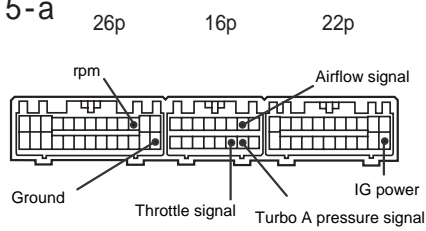
ECU Terminal Arrangement Table (TOYOTA)

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

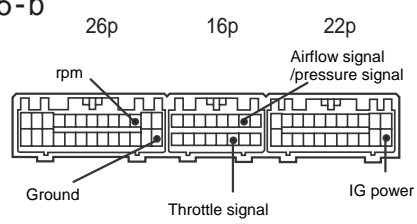
T4-c



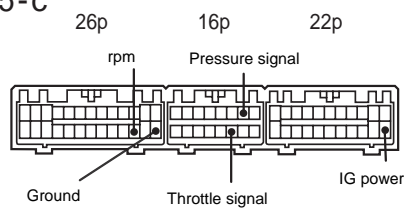
T5-a



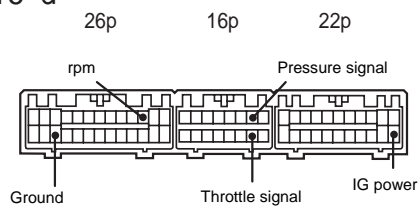
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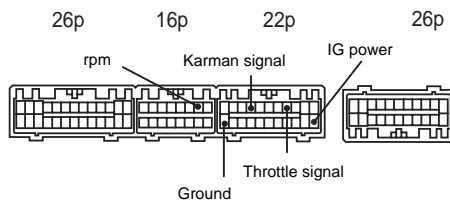
T5-c



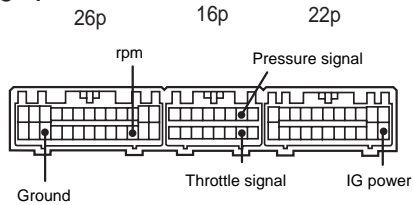
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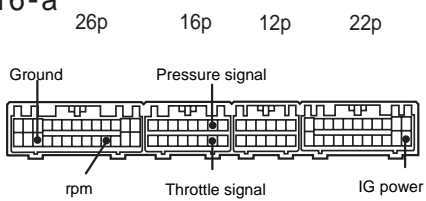
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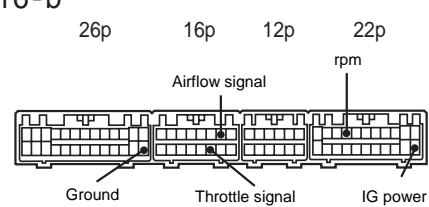
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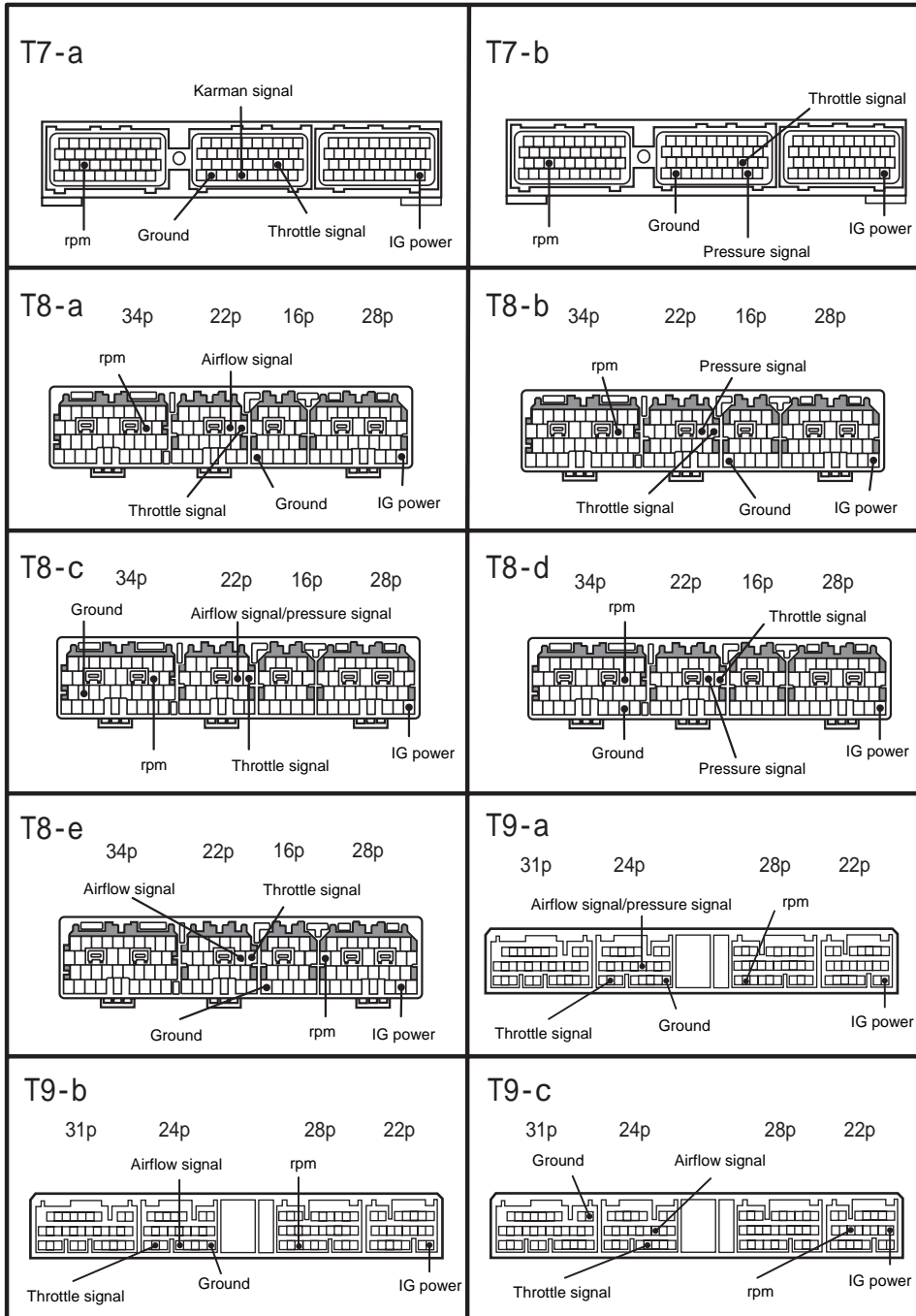


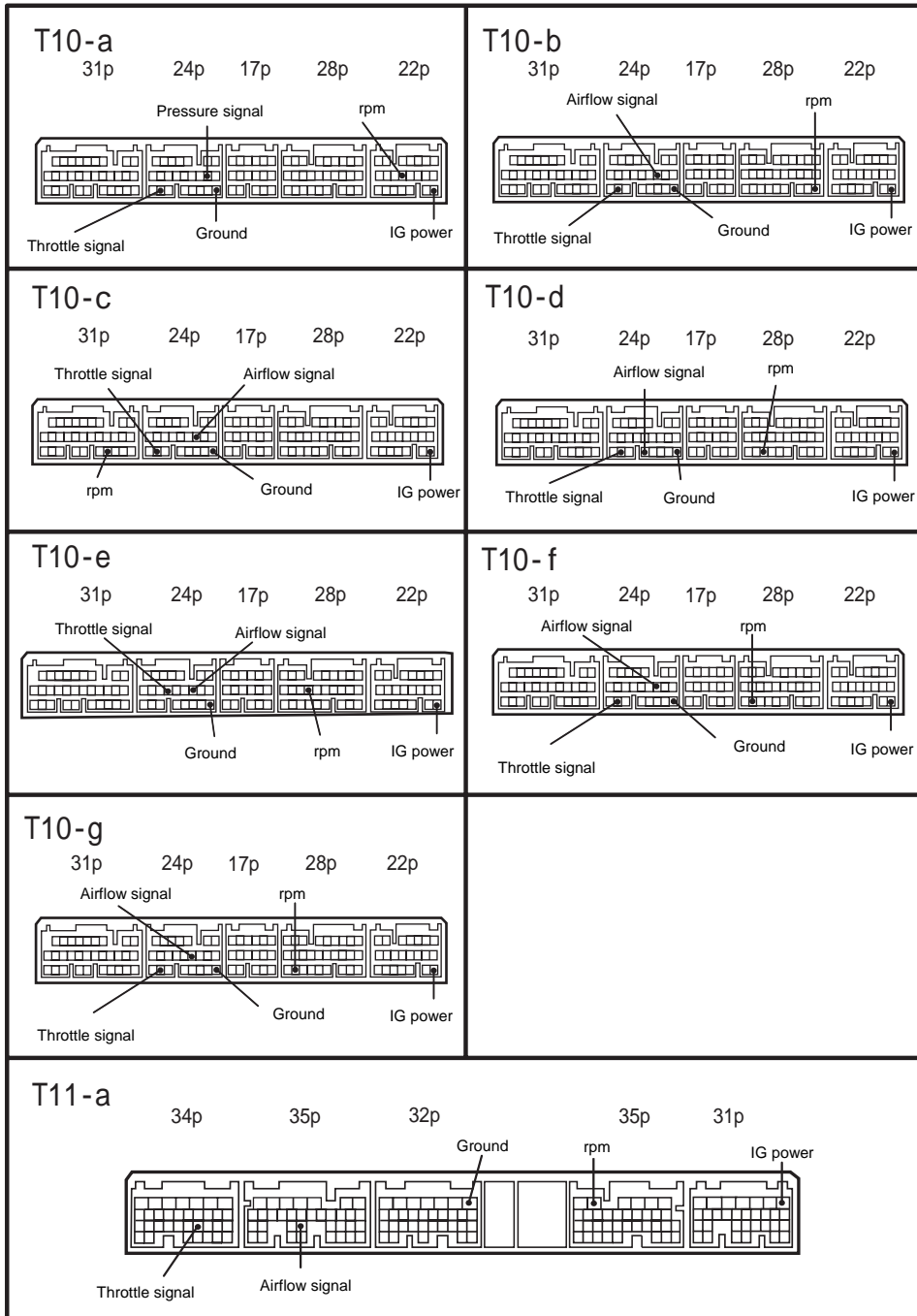
T6-a



T6-b







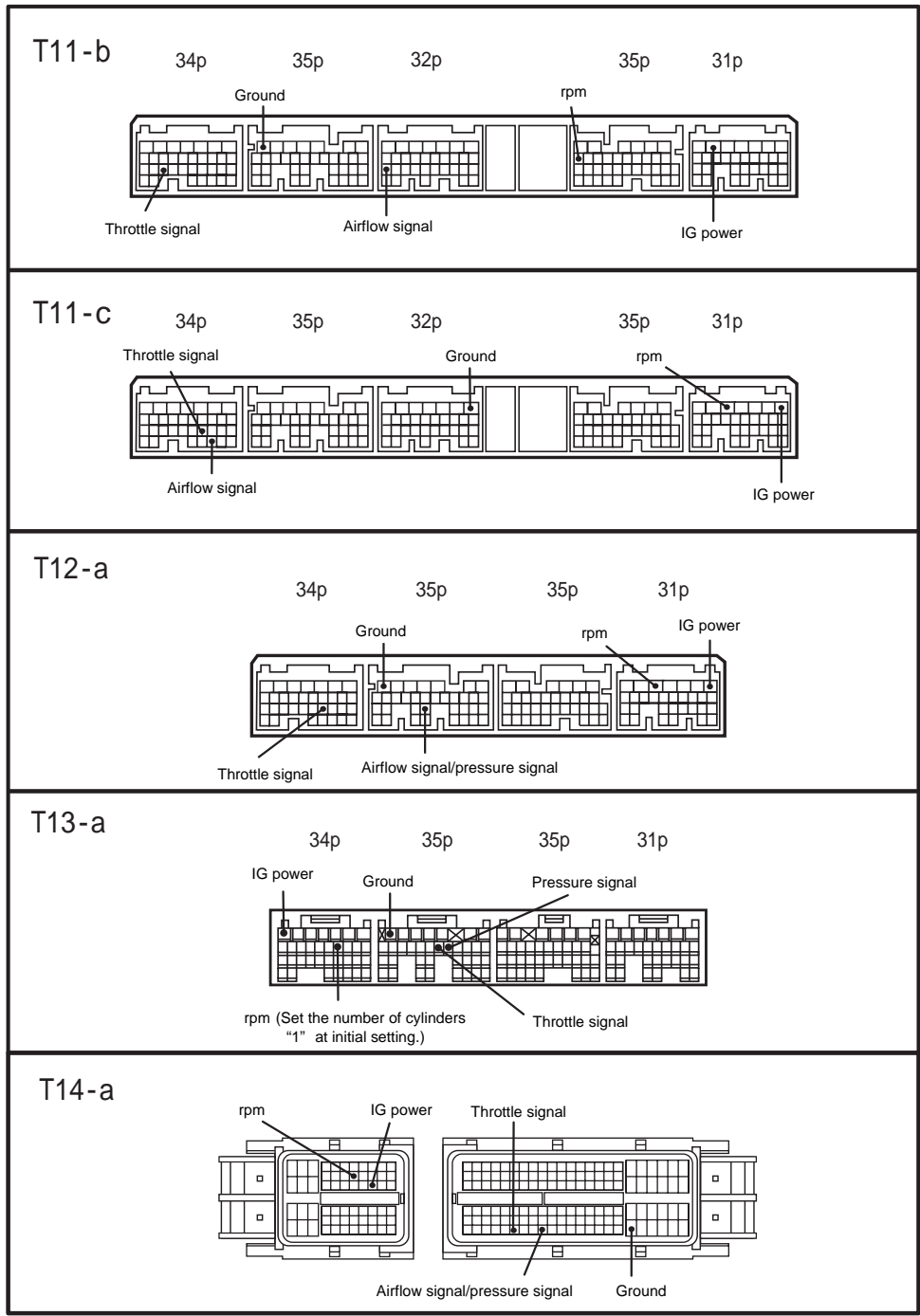


Table of Applicable Models (NISSAN)

Explanation of sensor type indication
 Example PR-3
 Sensor type Sensor number

HW - HotWire FL - Flap
 PR - Pressure 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	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	FGY32	VH41DE	'91.8 ~ '96.5	A	N4 - a	HW - 1	
	FPY32	VG30DET	'93.9 ~ '96.5		N4 - c	HW - 4	
CIMA	FPY31	VG30DET	'89.8 ~ '91.7	A	N4 - d	HW - 4	
		VG30DE	'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	
	Y32	VG30DET VG30DE					'91.6 ~ '95.5

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	E	N6 - a	HW - 4			
					N4 - a		M/T		
		N6 - a			A/T				
	A31	VQ30DE VQ25DE VQ20DE	'94.8 ~ '96.12	A	N4 - a				
					RB20DET		'88.9 ~ '94.7	N4 - e	
					RB25DE		'92.5 ~ '94.7	N4 - a	
	A31	RB20DE	'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	'97.6 ~ '00.8	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 RB25DE RB20DE	'94.1 ~ '97.5 '93.1 ~ '97.5	A	N4 - a				
	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						

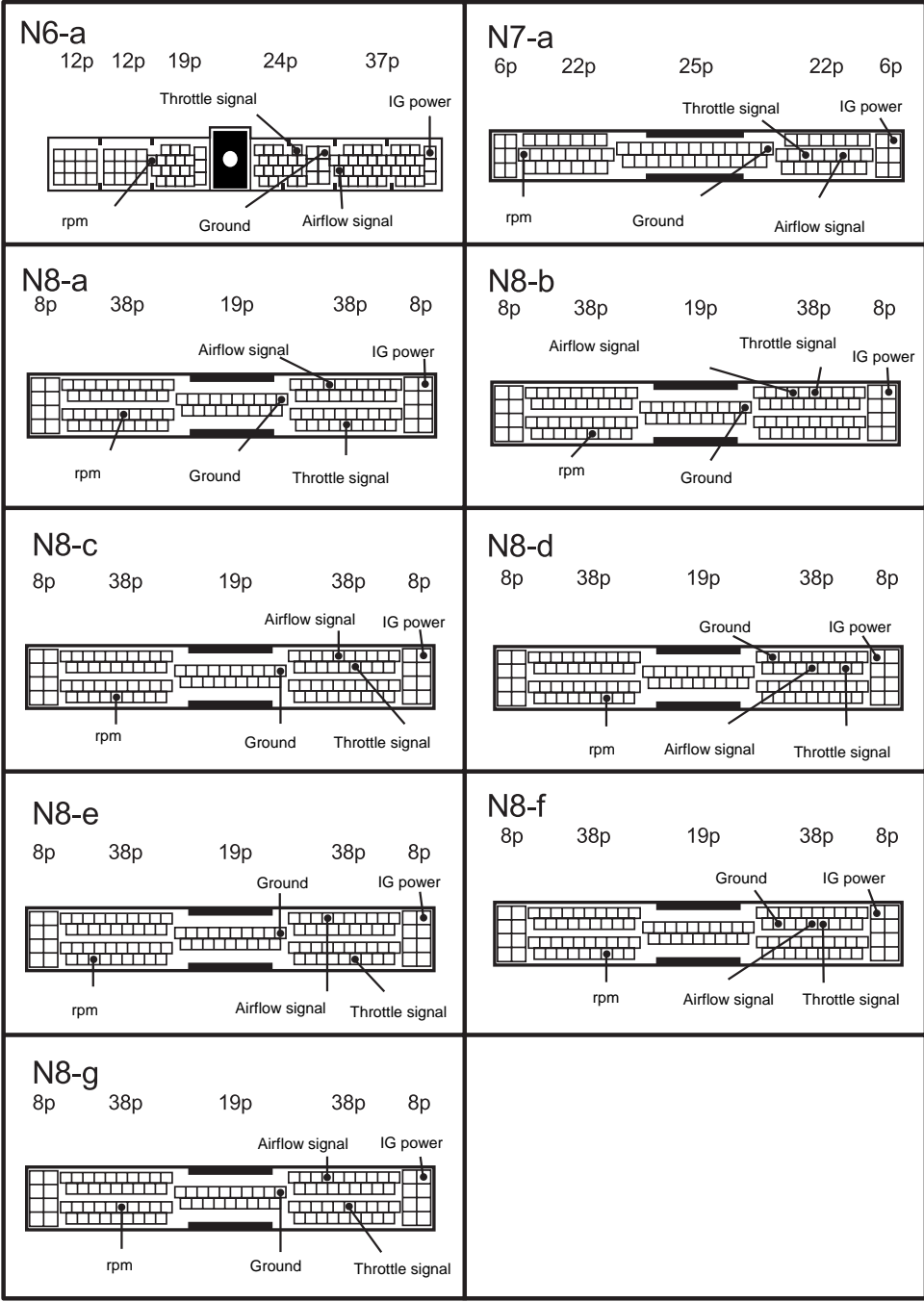
Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
SKYLINE	R31	RB20DET RB20E	'87.8 ~ '89.4	A	N1 - a	HW - 4	
STAGEA	NM35	VQ25DET	'01.10 ~ '04.8	D	N8 - c	HW - 18	
	W#C34	RB25DET RB25DE	'96.8 ~ '01.9	A	N6 - a	HW - 4	
STAGEA AUTECH Ver.260RS	WGNC34	RB26DETT	'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 - 6	
		SR20DE	'96.1 ~ '01.8				
		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
SILVIA	S15	SR20DET	'99.1 ~ '02.7	A	N3 - a	HW - 5	
		SR20DE				HW - 6	
	S14	SR20DET	'96.6 ~ '98.12		N4 - a	HW - 5	
			'93.10 ~ '96.5				
		SR20DE	'93.10 ~ '98.12		N3 - a	HW - 6	
	PS13	SR20DET	'91.1 ~ '93.9		N3 - b		
		SR20DE			N3 - a		
	S13	CA18DET CA18DE	'88.5 ~ '90.12		N4 - a	HW - 7	
180SX	RPS13	SR20DET SR20DE	'96.8 ~ '98.12	A	N3 - a	HW - 6	
			'91.1 ~ '96.7		N3 - b		
	RS13	CA18DET	'89.3 ~ '90.12		N4 - a	HW - 7	

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	HW - 21
		SR20VE	'01.8 ~ '03.6		E		N3 - a
	P11	SR20DE	'95.9 ~ '00.12	HW - 6			
		SR18DE	'95.9 ~ '98.8				
		SR20DE	'90.2 ~ '95.8				
	P10	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	HW - 21
		SR20VE	'01.8 ~ '03.6		E		N3 - a
	W#P11	SR20DE	'97.9 ~ '00.12	HW - 6			
		SR18DE	'97.9 ~ '99.3				
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 ~	L	N10 - a	PR - 11	Except the M/T
		CR12DE					
		CR10DE					
	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	
TIDA	C11	HR15DE	'04.9 ~ '06.11	L	N12 - a	HW - 28	
TIDA LATIO	C11	HR15DE	'04.10 ~ '06.11	L	N12 - a	HW - 28	

ECU Terminal Arrangement Table (NISSAN)

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



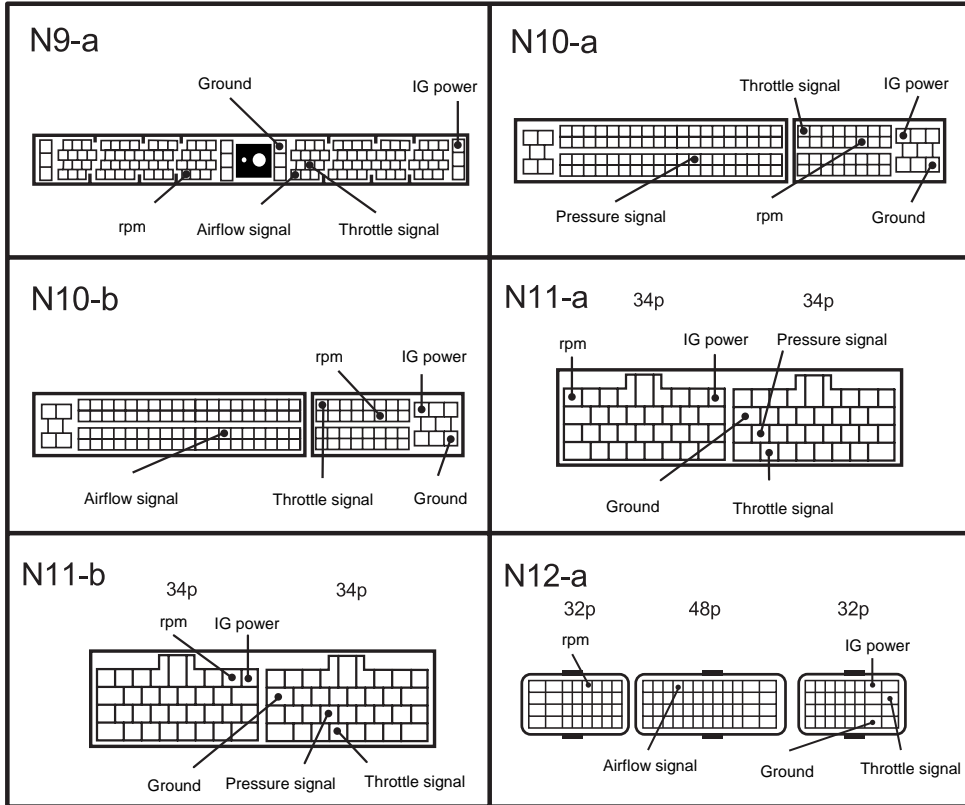


Table of Applicable Models (HONDA)

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	'95.2 ~ '98.9	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		
			'91.9 ~ '96.11		H10 - a	With TCS	
	BB4				H11 - a	Without TCS	
ACCORD EURO R	CL7	K20A	'02.12 ~	E	H8 - a		
	CL1	H22A	'00.6 ~ '02.9		H12 - a		
ACCORD	CL9	K24A	'02.10 ~	E	H14 - d		
	CL8 CL7	K20A					
			CL3		F20B	'00.6 ~ '02.9	H6 - b
	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 ~	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	H6 - b			
	CF2	H22A	'96.9 ~ '97.9	C	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	A/T	
	CF4	F20B			H12 - a	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	
					H11 - a	M/T	
		'93.5 ~ '95.8	H10 - b	A/T			
DA6	B16A	'89.4 ~ '93.4	C	H9 - a			
CIVIC	EP3	K20A	'01.10 ~ '05.8	D	H13 - a		
	EU2	D15B	'00.9 ~ '05.8		H7 - c		
	EU1				H7 - a	VTEC Type B	
	EU4 EU3	D17A			H7 - c		
	EK9	B16B		'00.8 ~ '00.9	A	H12 - a	
			'98.9 ~ '00.7	H6 - b			
'97.8 ~ '98.8			H5 - b				

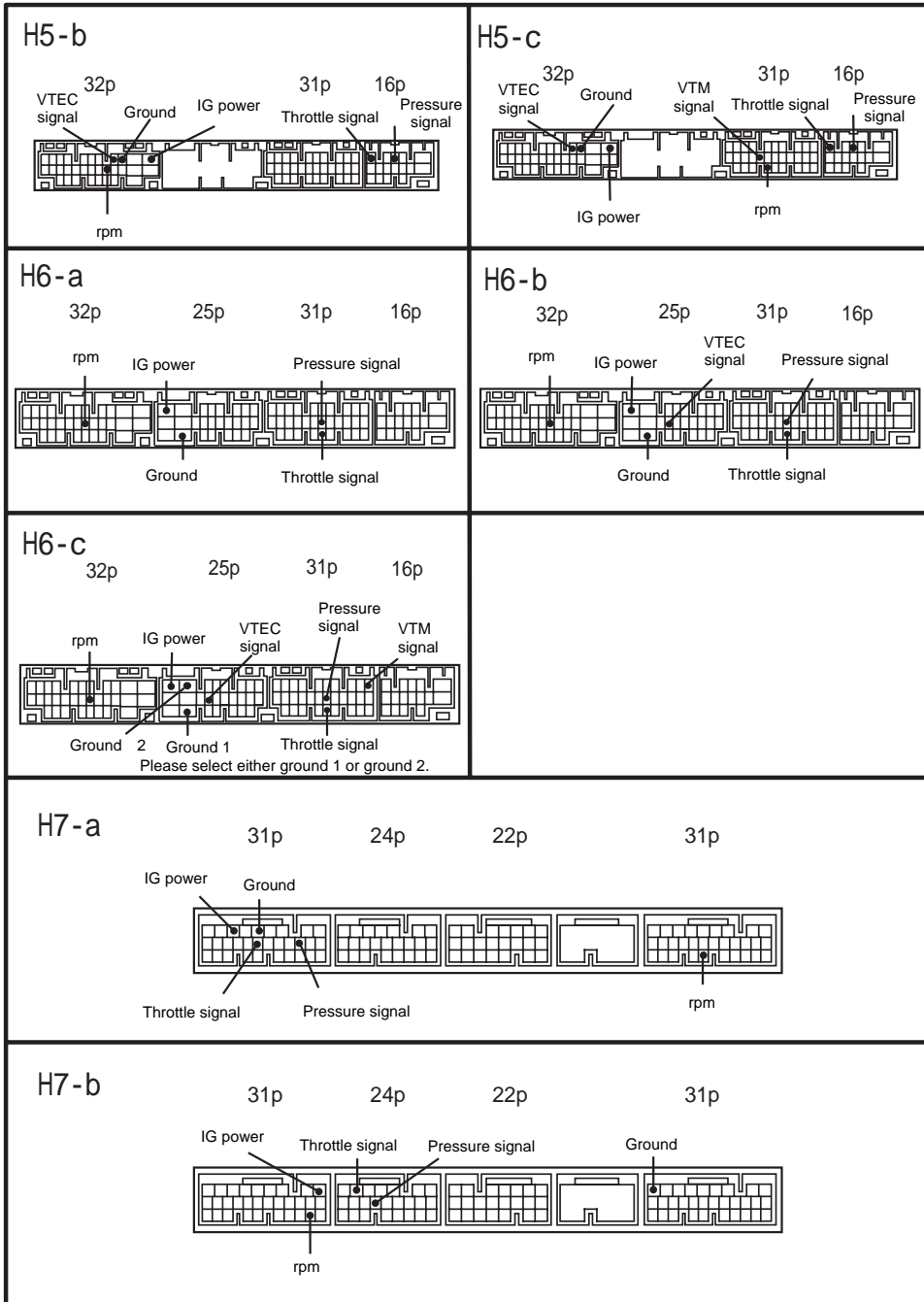
Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
CIVIC	EK4	B16A	'95.9 ~ '00.7	A	H5 - b	PR - 6	Except the VTEC
	EK3	D15B	'98.9 ~ '00.7		H6 - a		
			'95.9 ~ '98.8		H5 - a		
	EG6	B16A	'91.9 ~ '95.8		A		H11 - a
	EG4	D15B					
	EF9	B16A	'89.9 ~ '91.8	C	H9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

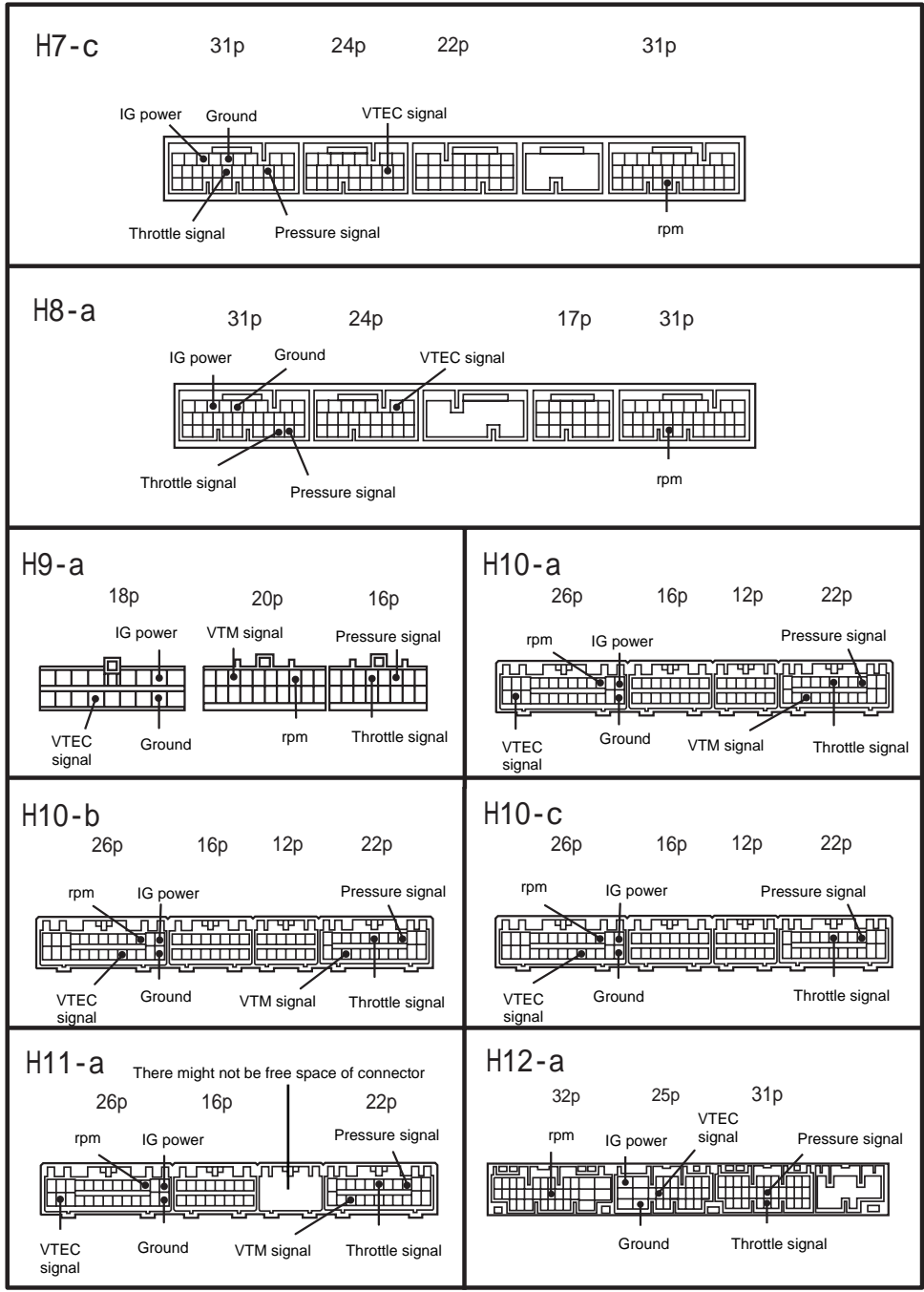
Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks	
ODYSSEY	RB2	K24A	'03.10 ~	B	H14 - c	PR - 21	Unconfirmed Absolute	
	RB1				H14 - b			
	RA9 RA8	J30A	'99.12 ~ '03.9	E	H6 - c	PR - 6		
	RA7 RA6	F23A			H6 - b			
	RA5	J30A	'97.10 ~ '99.11	C	H5 - c			
	RA4 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		PR - 6	
			'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 ~	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 ~	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			

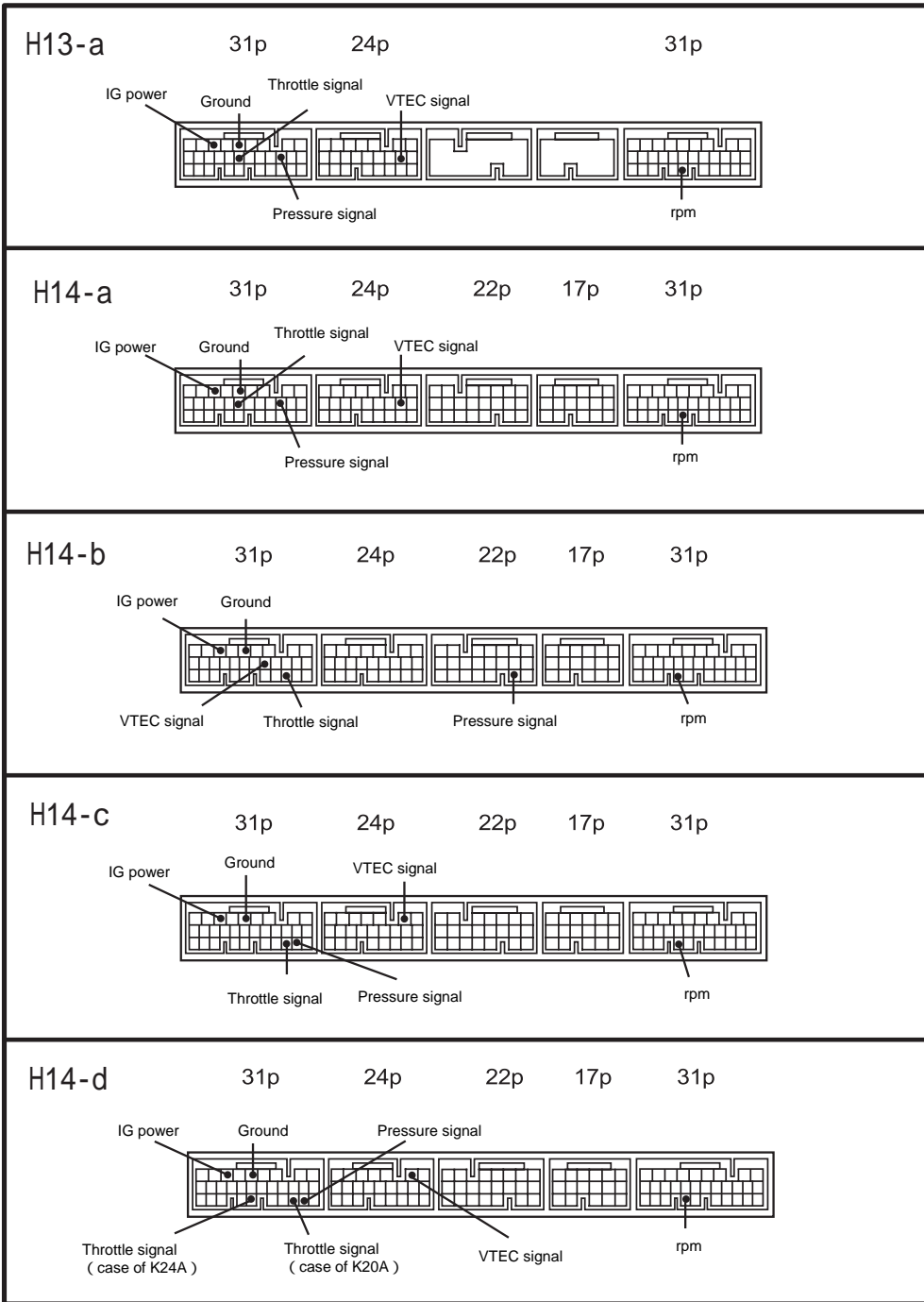
Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
CAPA	GA 6	D15B	'99.9 ~ '02.1	A	H4 - a	PR - 6	
	GA 4		'98.4 ~ '02.1				
STREAM	RN4 RN3	K20A	'00.10 ~ '05.6	D	H14 - a		
	RN2 RN1	D17A					
FIT	GD4	L15A	'02.9 ~ '07.9	B	H7 - c		
	GD3		'04.6 ~ '07.9		H13 - a		M/T
	GD2	L13A	'01.7 ~ '07.9		H7 - a		
	GD1	'01.6 ~ '07.9					
FIT ARIA	GD9 GD8	L15A	'05.10 ~	B	H7 - c		VTEC
	GD7 GD6	L13A	'02.12 ~ '05.9		H7 - a		
THAT'S	JD2 JD1	E07Z	'02.2 ~ '07.6	D	H4 - b		
MOBILIO	GB2	L15A	'01.12 ~	B	H7 - a		
	GB1		'04.1 ~		H7 - c	VTEC	
MOBILIO SPIKE	GK2 GK1	L15A	'02.9 ~	B	H7 - c		

ECU Terminal Arrangement Table (HONDA)

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









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	Without MIVEC
			'96.1 ~ '97.7		M6 - a		
	'97.8 ~ '02.9		M5 - a				
	'96.1 ~ '97.7		M3 - b		PR - 5	With MIVEC	
	F36A		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
			'94.10 ~ '97.1		M3 - a		Without MIVEC M / T
			'96.2 ~ '00.7		M3 - b	PR - 5	With MIVEC
			'94.10 ~ '96.1		M3 - a	KR	
	M2 - a						
DE2A	4G93	'94.10 ~ '96.1		M3 - a			
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		
			'04.2 ~ '05.2				MR	
			'03.1 ~ '04.1					
			'01.2 ~ '02.3				M3 - a	
			'02.2 ~ '02.12				M6 - a	GT - A
	CP9A		'98.1 ~ '01.1	B	M3 - a			Including 、 TM
	CN9A		'96.8 ~ '97.12					
	CE9A		'93.10 ~ '96.7		M2 - a			
CD9A	'92.10 ~ '93.9							
LANCER	CK4A	4G92	'95.10 ~ '00.5	B	M3 - b	PR - 5	MIVEC	
	CM5A	4G93			M3 - a	KR		
	CD5A		'91.10 ~ '95.9		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		'91.10 ~ '95.9		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)

<p>M1-a</p> <p style="text-align: center;">10p 18p 24p</p> <p style="text-align: center;">rpm Karman signal</p> <p style="text-align: center;">Ground IG power Throttle signal</p>	<p>M2-a</p> <p style="text-align: center;">26p 16p 22p</p> <p style="text-align: center;">rpm</p> <p style="text-align: center;">IG power Ground Throttle signal</p> <p style="text-align: center;">Karman signal/Pressure signal</p>
<p>M3-a</p> <p style="text-align: center;">26p 16p 12p 22p</p> <p style="text-align: center;">Karman signal</p> <p style="text-align: center;">IG power Ground rpm Throttle signal</p>	<p>M3-b</p> <p style="text-align: center;">26p 16p 12p 22p</p> <p style="text-align: center;">Throttle signal</p> <p style="text-align: center;">IG power Ground rpm Pressure signal</p>
<p>M4-a</p> <p style="text-align: center;">26p 22p</p> <p style="text-align: center;">Pressure signal</p> <p style="text-align: center;">IG power Throttle signal</p> <p style="text-align: center;">Ground rpm</p>	<p>M5-a</p> <p style="text-align: center;">35p 28p 30p</p> <p style="text-align: center;">rpm Ground IG power</p> <p style="text-align: center;">Karman signal Throttle signal</p>
<p>M6-a</p> <p style="text-align: center;">35p 26p 28p 30p</p> <p style="text-align: center;">IG power Ground rpm Throttle signal</p> <p style="text-align: center;">Karman signal</p>	<p>M6-b</p> <p style="text-align: center;">35p 26p 28p 30p</p> <p style="text-align: center;">IG power Ground Throttle signal</p> <p style="text-align: center;">rpm Karman signal</p>
<p>M6-c</p> <p style="text-align: center;">35p 26p 28p 30p</p> <p style="text-align: center;">IG power Ground rpm</p> <p style="text-align: center;">Pressure signal Throttle signal</p>	

Table of Applicable Models (MAZDA)

Explanation of sensor type indication

Example PR-3

Sensor type Sensor number

HW - HotWire

FL - Flap

PR - Pressure

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		
	JC3SE		'90.3 ~ '94.2					
	JCES	20B - REW	'94.3 ~ '95.8	EC - AT : B				
	JCESE		'90.3 ~ '94.2					
RX-7	FD3S	13B - REW	'95.12 ~ '02.8	A	Z4 - a	PR - 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	
			'98.6 ~ '99.7		Z8 - a		4WD A / T	
		ZL - VE	'98.6 ~ '01.11		Z3 - c		2WD	
			'98.6 ~ '02.8				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	M / T	
					Z7 - b		A / T	
	MD12S	F6A T / C	'98.10 ~ '00.11		Z7 - c			
	MD21S	K6A T / C			Z7 - a			
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	
	GG3S	L3 - VE	'02.10 ~ '05.5				M / T
ATENZA SPORT WAGON	GYEW	LF - DE	'02.5 ~ '05.5	C	Z10 - a		
	GY3W	L3 - VE	'02.10 ~ '05.5				M / T
ATENZA SEDAN	GGEP	LF - DE	'02.5 ~ '05.5	C	Z10 - a		
	GG3P	L3 - VE					
VERISA	DC5W	ZY - VE	'04.6 ~	L	Z9 - a		

ECU Terminal Arrangement Table (MAZDA)

<p>Z1-a</p> <p>10p 18p 24p</p> <p>IG power Airflow signal Ground</p> <p>Throttle signal rpm</p>	<p>Z2-a</p> <p>26p 16p 22p</p> <p>Ground Throttle signal rpm</p> <p>Airflow signal IG power</p>
<p>Z3-a</p> <p>26p 16p 12p 22p</p> <p>Ground Throttle signal</p> <p>Airflow signal IG power</p> <p>ECU</p>	<p>20p 16p</p> <p>rpm</p> <p>EC-AT</p>
<p>Z3-b</p> <p>26p 16p 12p 22p</p> <p>Ground Throttle signal Pressure signal</p> <p>rpm IG power</p>	<p>Z3-c</p> <p>26p 16p 12p 22p</p> <p>Ground Throttle signal rpm</p> <p>Airflow signal IG power</p>
<p>Z4-a</p> <p>34p 22p 28p</p> <p>rpm Throttle signal</p> <p>Pressure signal IG power Ground</p>	<p>Z5-a</p> <p>26p 22p</p> <p>Airflow signal Ground</p> <p>Throttle signal rpm IG power</p>
<p>Z5-b</p> <p>26p 22p</p> <p>Airflow signal Ground rpm</p> <p>Throttle signal IG power</p>	<p>Z5-c</p> <p>26p 22p</p> <p>Airflow signal Ground</p> <p>rpm IG power</p> <p>Without throttle signal</p>

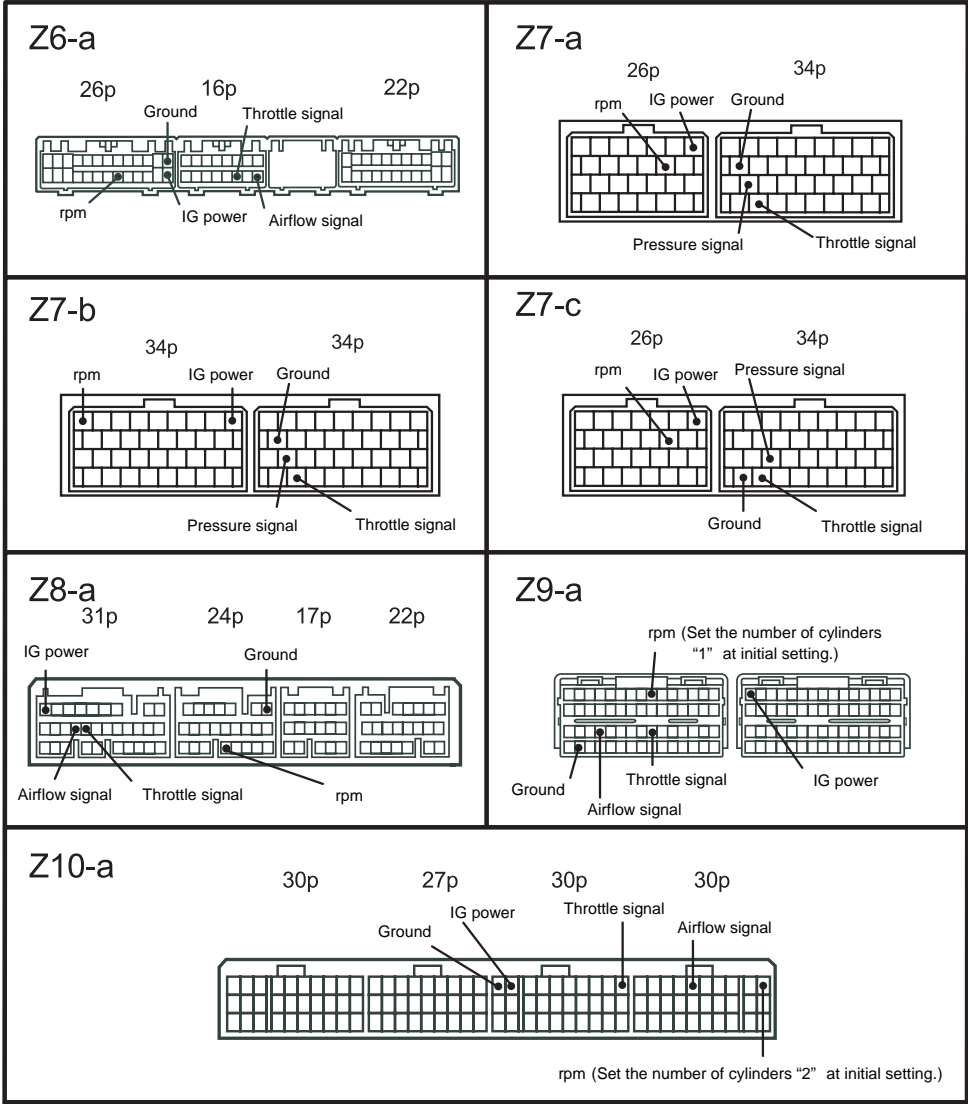


Table of Applicable Models (SUBARU)

Explanation of sensor type indication
 Example PR-3
 Sensor type Sensor number

HW - HotWire FL - Flap
 PR - Pressure 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			'98.12 ~ '01.4	F7 - c	HW - 20
		EJ204	'00.5 ~ '03.4			F4 - a	HW - 16
					'98.12 ~ '00.4	F5 - b	
	F4 - a						
LEGACY TOURING WAGON	BH9 BHC	EJ254	'01.5 ~ '03.4	C	F5 - b	HW - 16	
	BH5		'98.6 ~ '01.4		F4 - a		
		EJ208 EJ206			'01.5 ~ '03.4	F7 - c	HW - 20
		EJ204	'98.6 ~ '01.4		F4 - a		
					'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
					F3 - a	HW - 4	A / T
		EJ20H EJ20D	'93.10 ~ '96.5		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 ~ '07.11	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

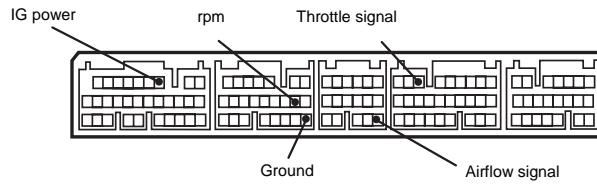
Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
IMPREZA	GDB GGB	EJ207	'00.10 ~ '07.6	C	F7 - a	HW - 20	Including Spec C
	GDA GGA	EJ205	'00.8 ~ '07.6				
	GD9	EJ204	'00.8 ~ '03.8		F5 - b	HW - 16	
	GG9		'00.8 ~ '04.5				
	GG3 GG2	EJ152	'00.8 ~ '07.6		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		HW - 4
		EJ20G	'92.11 ~ '96.8		F2 - b	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	SOHC S/C (Except the Mild Charge)			
		DOHC S / C					
			F2 - c				

ECU Terminal Arrangement Table (SUBARU)

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

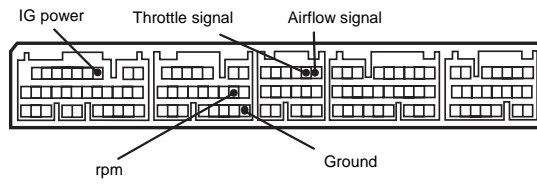
F7-a

31p 24p 17p 28p 22p



F7-b

31p 24p 17p 28p 22p



F7-c

31p 24p 17p 28p 22p

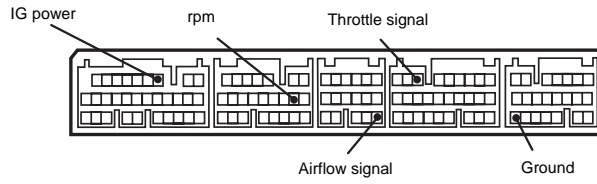


Table of Applicable Models (SUZUKI)

Explanation of sensor type indication

Example PR-3

Sensor type Sensor number

HW - HotWire

FL - Flap

PR - Pressure

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
	HA12S	F6A T / C	'98.10 ~ '00.12		S6 - a		
	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	MH21S	K6A T / C	'03.9 ~ '07.4	L	S10 - a	PR - 17	Mild turbo
	MC22S		'01.11 ~ '03.8		S7 - b		
			'00.12 ~ '01.10		S6 - a	M / T	
	MC12S	F6A T / C	'00.12 ~ '01.4		S7 - b	A / T	
	MC21S	K6A T / C	'98.10 ~ '00.11	S6 - b			
	MC11S	F6A T / C		S6 - a			
	CT51S CV51S	K6A T / C	'97.4 ~ '98.9	B	S5 - a	PR - 8	
	CT21S CV21S	F6A T / C	'95.10 ~ '97.10		S2 - a		M / T
			'95.10 ~ '98.5		S4 - a		A / T
			'93.9 ~ '95.9		S1 - a		M / T
			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 ~	L	S6 - a	PR - 8	M / T
		K6A			S7 - b		A / T
	HN12S	F6A T / C	'01.4 ~ '01.10		S6 - a	PR - 13	
	HN21S	K6A T / C	'98.10 ~ '01.3		S6 - b		
	HN11S	F6A T / C			S6 - a	PR - 8	
	JIMNY	JB23W	K6A T / C		'98.10 ~	L	S6 - a
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 ~	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)

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

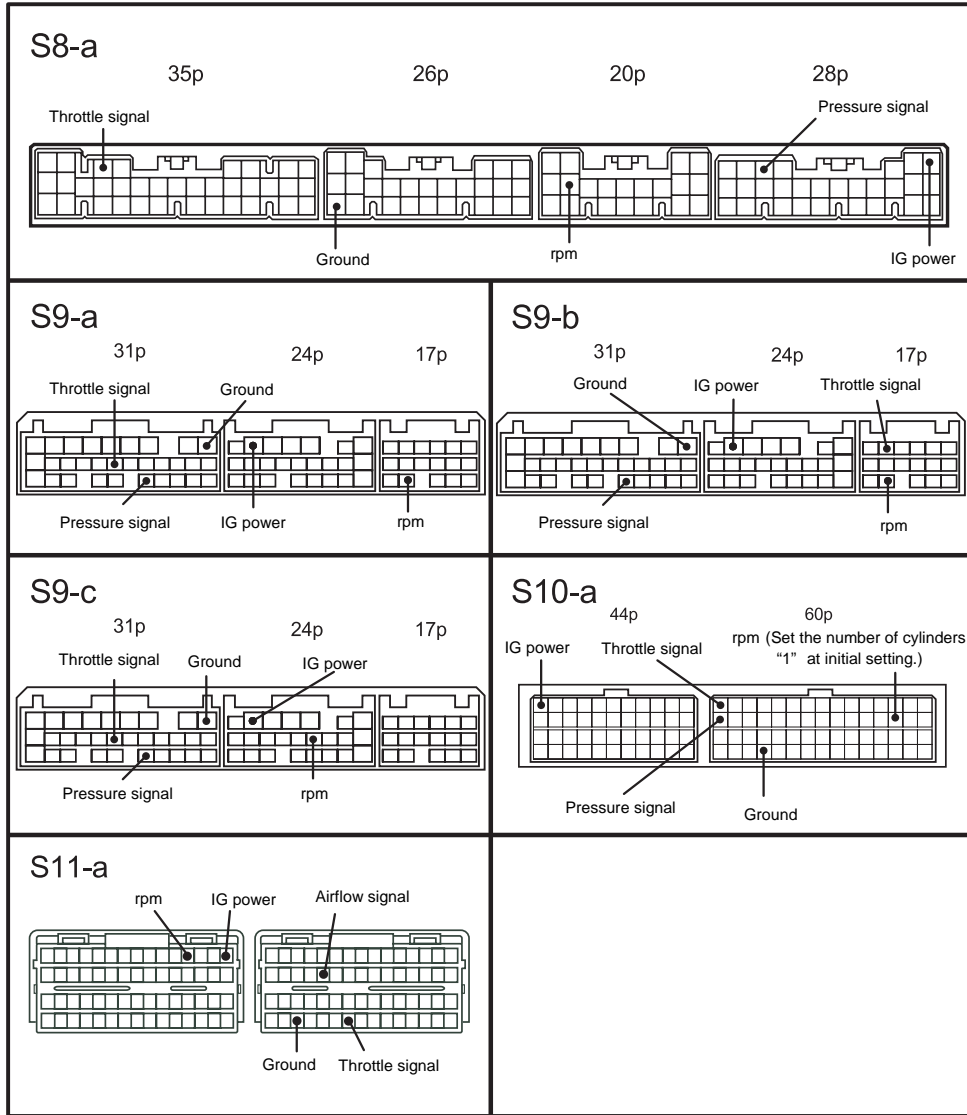


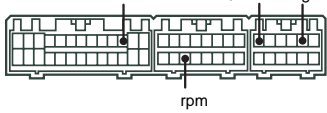
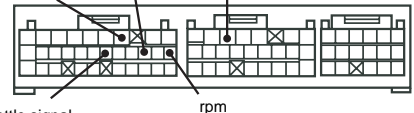
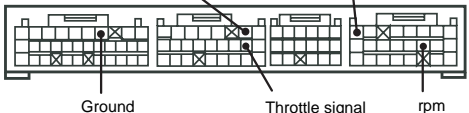
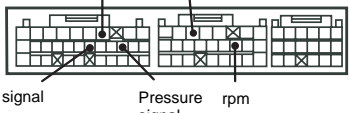
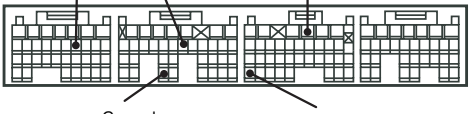
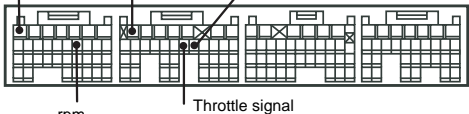
Table of Applicable Models (DAIHATSU)

Explanation of sensor type indication
 Example PR-3
 Sensor type Sensor number

HW - HotWire FL - Flap
 PR - Pressure KR - Karman

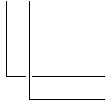
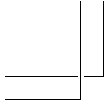
Car Name	Car Model	Engine Model	Manufacturing year	ECU Position	Terminal Drawing	Sensor Type	Remarks
MIRA AVY	L260S L250S	EF - DET	'02.12 ~ '06.12	D	D5 - a	PR - 8	
MIRA	L710S L700S	EF - DET	'98.10 ~ '00.9	D	D2 - a	PR - 8	
MIRA TR-XX	L512S L502S	JB - JL	'94.9 ~ '98.9	D	D1 - a	PR - 8	
MOVE	L152S	JB - DET	'02.10 ~ '06.9	D	D5 - a	PR - 15	
	L160S L150S	EF - DET				'01.10 ~ '02.9	D3 - a
	L900S		'00.10 ~ '01.9		D4 - a		
	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 ~	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 ~	D	D5 - b	PR - 20	

ECU Terminal Arrangement Table (DAIHATSU)

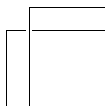
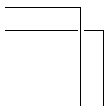
<p>D1-a</p> <p style="text-align: center;">26p 16p 12p</p> <p style="text-align: center;">Ground IG power Pressure signal</p>  <p style="text-align: center;">rpm</p> <p style="text-align: center;">Without throttle signal</p>	<p>D2-a</p> <p style="text-align: center;">31p 24p 17p</p> <p style="text-align: center;">Ground Pressure signal IG power</p>  <p style="text-align: center;">Throttle signal rpm</p>
<p>D3-a</p> <p style="text-align: center;">31p 24p 17p 22p</p> <p style="text-align: center;">Pressure signal IG power</p>  <p style="text-align: center;">Ground Throttle signal rpm</p>	<p>D4-a</p> <p style="text-align: center;">31p 24p 17p</p> <p style="text-align: center;">Ground IG power</p>  <p style="text-align: center;">Throttle signal Pressure signal rpm</p>
<p>D5-a</p> <p style="text-align: center;">34p 35p 35p 31p</p> <p style="text-align: center;">Pressure signal Throttle signal IG power</p>  <p style="text-align: center;">Ground rpm</p>	<p>D5-b</p> <p style="text-align: center;">34p 35p 35p 31p</p> <p style="text-align: center;">IG power Ground Pressure signal</p>  <p style="text-align: center;">rpm Throttle signal</p> <p style="text-align: center;">(Set the number of cylinders "1" at initial setting.)</p>



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MEMO



Notes

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