

### MAZDA

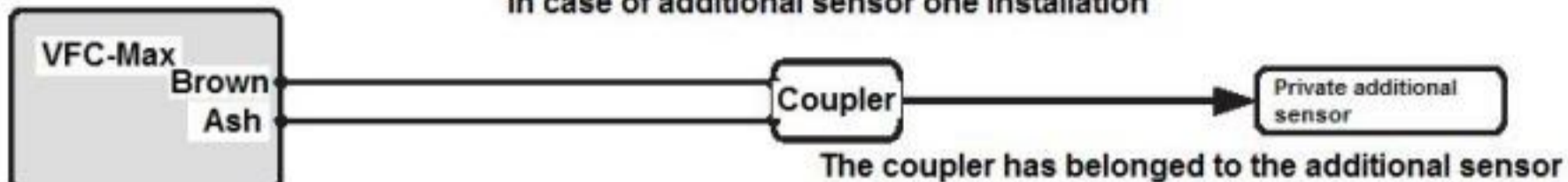
車両型式	エンジン型式	ECU位置	端子図
FD3S 5, 6型	H11.1~	A	
FD3S 4型	H7.12~ H10.12		
FD3S 2, 3型	H5.7~ H7.11	C	<p>※注 FN2は1型のみ結線して下さい。</p>
FD3S ※ 1型	H3.10~ H5.7		
FC3S後期 ※	H1.5~ H2.10	C	<p>※ この年式以外の、後期型は電動ファンが付いていません。</p>
FC3S前期	13BT	C	
NA6CE	B6	C	
DAJPF	BJ	ステアリング シャフト 右上	
JCESE	20B	C	
NA8C	(前期)	C	
NA8C	(後期)	C	
NB6C NB8C	B6 BP (前期)	C	
NB8C	BP (後期)	A	

#### ECUユニット位置

- A: 助手席サイドトリム
- B: グローブボックス奥
- C: 助手席足元下
- D: センターコンソール奥
- E: トランクの中
- F: 助手席の後
- G: 運転席の後
- H: エンジンルーム内

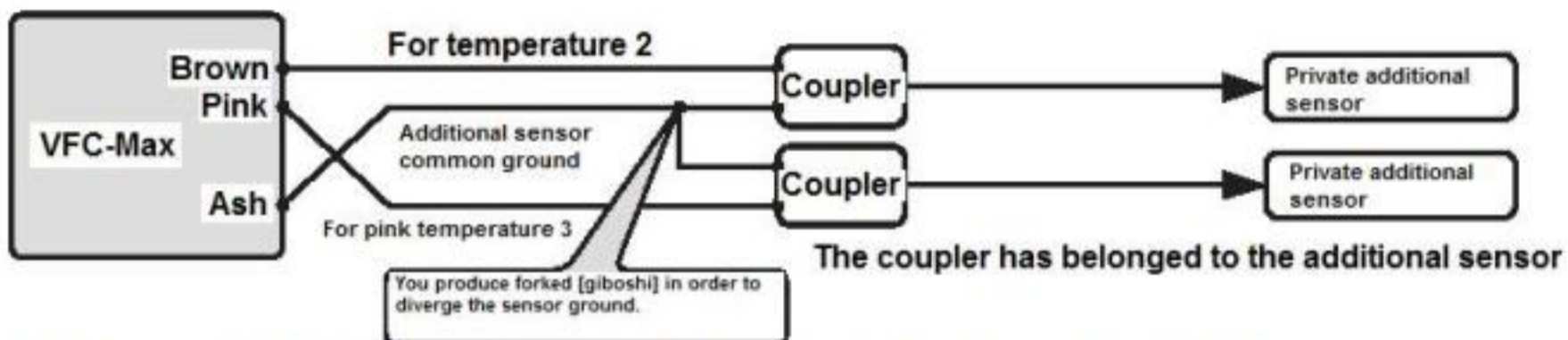
As for this product, by the fact that the private sensor is added, it is possible to measure two temperatures other than water temperature. Because in this page, installation of the private additional sensor is explained, that by all means there is no making a mistake, we request installation. Especially when the contact failure occurs, because there is a possibility such as damage of the sensor, please face to installation with prudent note.

**In case of additional sensor one installation**



- To connect the coupler of private additional sensor attachment to the brown ash of VFC itself, please connect with the sensor itself. (There is no order of wiring.)

**In case of additional sensor two installations**



- It diverges the ash of VFC into 2 crotches. For temperature 2 in sensor, brown ash. For temperature 3, to connect the coupler to the pink ash respectively in the sensor, please connect with the sensor itself.

**Introduction of private additional sensor**

**Drain sensor**



You just exchange with the genuine motor oil drain plug it is the sensor where measurement of oil temperature becomes possible. (Please inquire conformity details)

BVP-S12	Toyota & for NISSAN	¥ 5,800	M12 P1.25mm
BVP-S14	Honda Mitsubishi		M14 P1.5mm

**1/8PT general-purpose temperature sensor**



General-purpose sensor of screw pitch 1/8PT. 1/8PT if it is the installation possible point, can be used anywhere.

BVP-S18	0~150°C	¥ 4,800	1/8PT
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**Intake air temperature sensor**



Vapor temperature measurement private sensor. Even in the temperature variation where the vapor is extreme it can follow can measure with the sharp response

BVP-S50	0~120°C	¥ 6,800	Aluminum welding boss attaching
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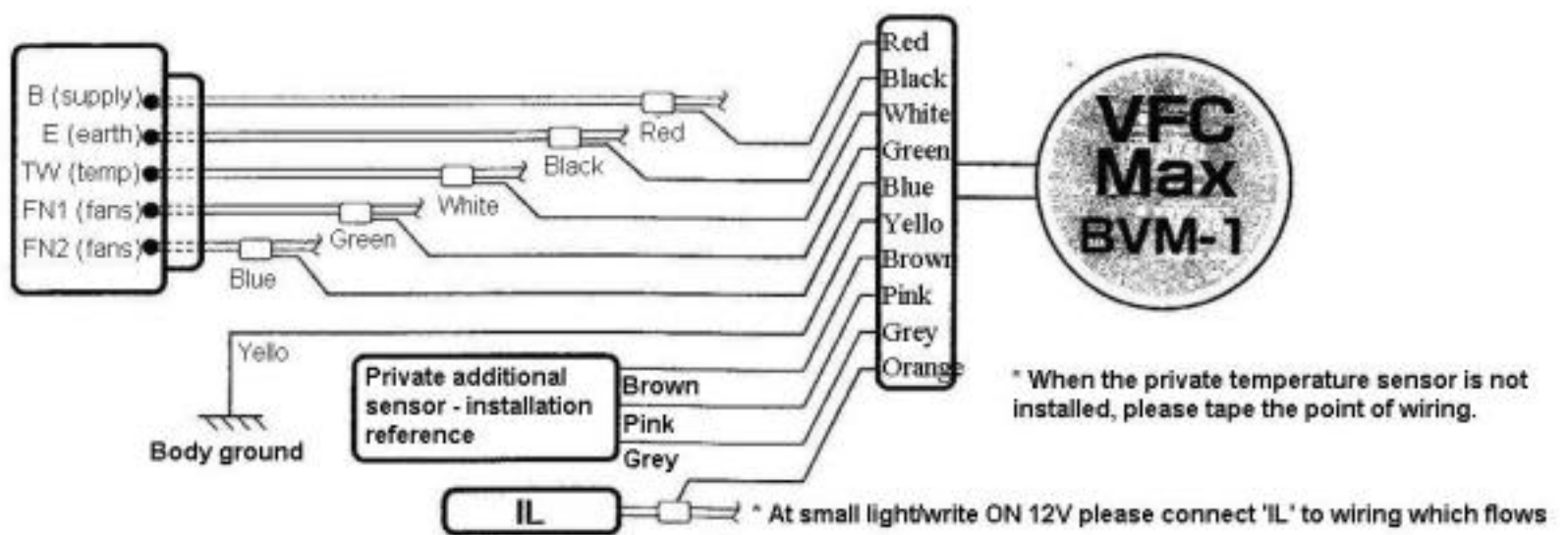
### Installation\* FD3S (1.4.5.6)

1. Engine to stop the vehicle ECU is decorated to look like cover to keep them from cracking, a carefully remove please.
2. Separate paragraph "vehicle ECU terminal Figure" refer to the following please go to the wire attachment.
3. The following types of vehicles are operated fan speed is slow in the fast speed of change in three phases. The following is slow during the installation of speed.  
Control is possible. Fast, if you want to control the operation, please see inside.
4. Installation is complete, "Preferences" for more information, please go to set up operations.
5. Additional sensors to be used only if the "additional sensor only" section above, please go to mount.  
\* If additional sensors are attached to the sub-area of the battery voltage is always displayed. Additional sensors are not installed in Body does not operate in any trouble.

### BVM-1

#### Wiring method 5

<b>MAZDA</b>	FD3S 1 type H3/10~H5/07
	FD3S 4 type H7/12~H10/12
	FD3S 5 type 6 types H11/01~



\* When the private temperature sensor is not installed, please tape the point of wiring.

OPTION: The optional adapter for the electromotive fan highest fast rotary circuit of FD3S (the VA-2 ¥3,675 itself price ¥3,500) there is setting. \* This adapter does not turn on the switch of the air conditioner and also the [te] the electromotive fan is the part which it tries to be able to turn at full speed. As for the electromotive fan independence control of medium speed high speed becomes possible, by installing this adapter, but low-speed operation becomes impossible

FD3S the temperature of air conditioners and electric fans  
Actuated by a slow speed during the three stages of high-speed electric fan speed changes. How basic wiring in the medium speed until the independent control will be optional: VA-2 can be fitted with a medium-speed and high-speed control of independ-

\* The cooling effect improves substantially note, the fan high speed by operating, but burden to the battery and the fan motor becomes large.

#### [wiring]

- ① vehicle terminal B chart position splice VFC body using a red line.
- ② vehicle terminal E position splice diagrams using VFC black line connecting the main body.
- ③ vehicle terminal splice diagrams TW position VFC using a white body.
- ④ vehicle terminal splice diagrams FN1 position of the body using VFC green line to connect.
- ⑤ vehicle terminal splice diagrams FN2 position of the body using VFC blue line to connect.
- ⑥ VFC body of a body to ensure ground yellow line please.
- ⑦ VFC line audio console and small orange light ON flowing at 12 V to connect the wiring.
- ⑧ additional sensor connections, "added sensor," pursuant to the attachment.
- ⑨ wiring complete.

\* As for error wiring there is a possibility of causing serious trouble to the vehicle. In case of installation please face with prudent note.

#### [Harness the body and the connection and fixed]

- wiring is complete, connection, contact and confirm the body backward to please plug in a coupler.
- Body, and wiring is not like driving to work in the way of double-sided tape, and wrapped in Thailand fixed please.
- ※ is unusually high and the vehicle might be. Direct sunlight and where to place the unit discoloration, and the body damaged Shock.
- Once you've fixed the engine on the unit to operate please check.
- successfully connected to that, the demonstration started after the water temperature is displayed.

"Preferences" section set in accordance to please.

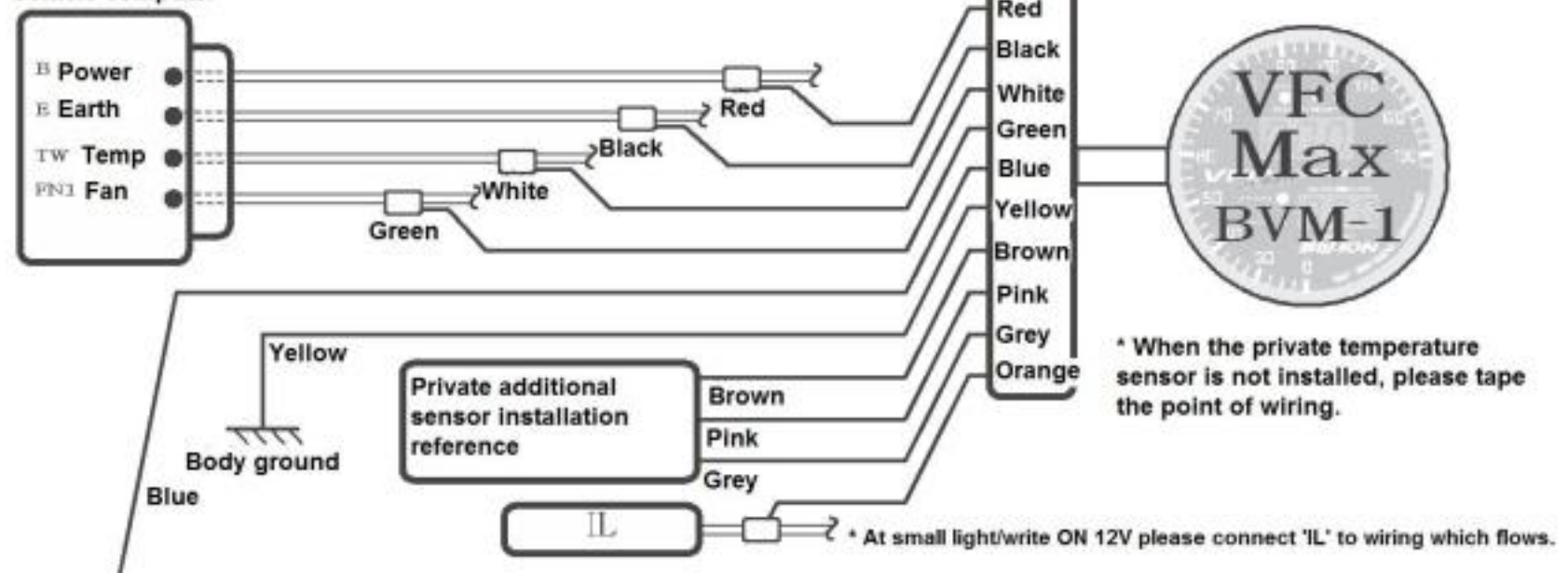
- after mounting the work if the "troubleshooting", please see the section.

## << Installation method >> FD3S (2.4 types)

1. In order the engine is made to stop, for vehicle ECU to be visible, in order not to crack, please remove cover interiors prudently.
  2. "The vehicle ECU terminal figure" of separate paragraph in reference, please do wiring installation to as mentioned below.
  3. Fan operation speed changes in 3 stages of low-speed medium speed high speed in regard to the below-mentioned model. With the below-mentioned installation method at low-speed medium speed Control becomes possible. When operation at high speed is controlled, inside reference.
  4. When installation completes, "initializing" in regard to reference, please do operation setting.
  5. The private additional sensor in case of use "private additional sensor installation" in regard to reference, please do installation.
- When the additional sensor is not installed, regular battery voltage is indicated in the sub indicatory department. Even with additional sensor not yet installation There is no what hindrance in substance operation.

<b>BVM-1</b>	MAZDA	FD3S 2.3 type H5/07~H7/11
	Wiring method 6	

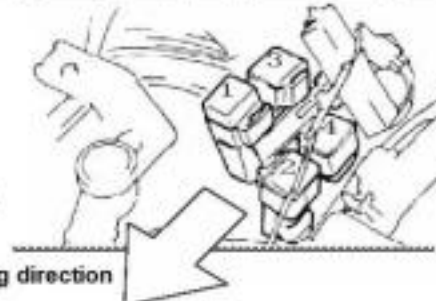
### Vehicle computer



\* When the private temperature sensor is not installed, please tape the point of wiring.

The blue line of VFC-Max to use splice to fan relay No.3 green/black inside the engine compartment, please connect

- ⚠ Note: There is a vehicle where part relay arrangement differs. Unclear case, please inquire.
- ⚠ Note: Blue/green harness of part and relay No.4, relay There are times when it has entered into No.1. The fan is normal When operating, to the blue/green harness of relay No.1 Please connect.



As for the FD3S electromotive fan electromotive fan rotary speed changes in 3 stages of low-speed medium speed high speed with the operation of water temperature and the air conditioner. With basic wiring method, it becomes independence control to the medium speed, but selling separately: Independence control of medium speed high speed becomes possible by the fact that VA-2 is installed.

\* The cooling effect improves substantially note, the fan high speed by operating, but burden to the battery and the fan motor becomes large.

OPTION: The optional adapter for the electromotive fan highest fast rotary circuit of FD3S (the VA-2 ¥3,675 itself price ¥3,500) there is setting. \* This adapter does not turn on the switch of the air conditioner and also the [te] the electromotive fan is the part which it tries to be able to turn at full speed. As for the electromotive fan independence control of medium speed high speed becomes possible, by installing this adapter, but low-speed operation becomes impossible

### Wiring explanation

- ① Using splice for the position of B in the vehicle terminal figure, you connect the red-light district of VFC itself.
  - ② Using splice for the position of E in the vehicle terminal figure, you connect the black bar of VFC itself.
  - ③ Using splice for the position of TW in the vehicle terminal figure, you connect the white line of VFC itself.
  - ④ Using splice for the position of FN1 in the vehicle terminal figure, you connect the green line of VFC itself.
  - ⑤ Using splice for the position of FN2 in the vehicle terminal figure, you connect the blue line of VFC itself.
  - ⑥ Please ground the yellow line of VFC itself securely.
  - ⑦ The IL line of VFC itself at small light/write ON such as audio 12V is connected to wiring which flows.
  - ⑧ In case of additional sensor connection, following to the section of "additional sensor installation," it does installation.
  - ⑨ It is completion of wiring at above.
- \* There is wiring to external. The wiring section by all means please does insulation waterproofing processing.

\* As for error wiring there is a possibility of causing serious trouble to the vehicle. In case of installation please face with prudent note.

### Connection and fixing of substance and harness

- When wiring completes, to do connection and contact verification, please insert the coupler in the substance rear.
- The substance and wiring please lock in order not to become the interference of driving operation, at the both sides tape and tie-up etc. \* As for inside of car of car there is a possibility of becoming high temperature abnormally. When it arranges in the place where the direct sunlight hits, color change of the substance, and damage of the substance It becomes cause.
- When fixing completes, using the engine, please do the operational check of the substance.
- When it is connected normally, after the start demonstration, water temperature is indicated. Following to the section of "initializing", please do setting.
- When after the installation, it does not operate, the section of "trouble shooting" reference.