Manual











This product functions with Defi-Link Advance Control unit. This product alone does not function. Please refer to Defi-Link Advance Control unit operation manual as well.

This product is an additional gauge for providing information to automobile users about engine conditions and other important factors. When installing and operating this product, be sure to read the cautionary items of this operation manual as well as those given in the operation manual for the vehicle in which this product will be installed. Please obtain a full understanding of the cautionary items and use the product accordingly. In the event that this product (or the vehicle in which it is installed) is lent to or transferred to another person, please be sure this operation manual accompanies the product.

http://www.defi-shop.com/

IMPORTANT

For safety handling (for customer and installation personnel) In this manual, the degree of hazard arising from actions such as improper operation is separated into the 3 levels "Danger," "Warning," and "Caution." In addition, instructions that must be followed for safe and

proper use of this product as well as practices that must be maintained are marked with a "Confirmation"

heading. Please read and become familiar with these sections. Indicates the imminent dangerous situation of death or serious injury if the product is ♠ Danger Warning Indicates the possibility of death or serious injury if the product is mishandled.

Indicates a conceivable source of personal injury or damage to equipment if the product Caution is improperly operated. Confirmation Indicates an instruction that must be performed or practice that must be maintained.

· 🔼 Danger

• Ensure that the vehicle will remain stationary and turn off the engine before installing this product. Failure to do so could result in a fire, and could make the vehicle move during installation

Remove the key from the ignition and disconnect the negative (-) battery terminal prior to installation of this product Failure to do so could result in a fire caused by an electrical short circuit.

Take care not to install this product in a way that interferes with safety equipment such as seat belts and air bag systems or vehicle operation equipment such as engine controls, steering wheel or brake systems. Interference with normal operation of the vehicle can result in an accident or fire.

where there could be tension or sudden impacts on the wiring, safeguard the wiring with corrugated tubing or other shock absorbent material. Accidental shorts can cause fires.

Wiring power supply wire, to avoid the risk of electrical shock or fire, be sure to confirm that there is no disconnection or breakage of wire. Poor connection can result in short-circuit, electrical shock, fire, or other hazards

Solder or use a solderless connector for wiring connections and make sure connections are insulated. In areas

• The ignition-switched +12V(IGN) line must be connected to the vehicle's ignition-switched wire with a fuse of 30A or less. High-capactiy fuse(more than 30A) will not blowout even with an abnormal current flow and may cause fire. • Use the fuse of regulated capacity when the fuse of the power wire is changed. Using a fuse that exceeds regulated capacity may cause fire.

• Do not install the product at the wet places. It may result in a fire caused by an electrical short circuit.

⚠ Warning

• Carefully consider the installation location and driver's operation of the product before installation. Do not install the product where it interrupts driving and the safety deices of vehicle such as the airbag system. Be sure not to install the unit where it could fall. Improper installation or operation could cause the product to fall and damage the vehicle or cause serious danger by impeding driving. Do not disassemble or modify this product. Such actions can not only damage or destroy the product

but will also void the warranty. • Do not perform installation of this product immediately after the engine has been switched off. The

engine and exhaust system are extremely hot at this time and can cause burns if touched. • Ensure that the wiring of this product does not have an adverse impact on the other wiring of the vehicle. Before tapping engine rev or speed signal from the ECU, please make sure that you have connected the power supply wire of the advance control unit. And then confirm that the DC Source LED of the advance control unit is lighted with ignition on. If it is functioning normally, remove negative terminal connector from battery and go ahead with wiring

prcedure. Incorrect wiring may destory your ECU, ignition system and other engine management devices. Discontinue use of this product if the product doesn't operate or operates improperly. Continued use while the condition exists could result in an accident or fire.

• Please keep children and infants away from the installation area. Children may swallow small parts or be injured in

• Take care not to install this product in the area where safety equipment such as airbags are mounted. This may cause more injuries in the event of an accident

Caution

• This product is designed for use on 12V vehicles. Do not install this product on vehicles with 24V systems. • Insulate any unused wires. If any wires or connectors loosen during installation, please make sure

• Dropping any of the components of this product will result in damage to the product. Excessive force on switches/terminals may result in damage to the product.

 Use only the wires provided. If additional wires are required, use the same of quality and gauge wire as is provided with the kit.

 Do not attach wires on the body of the vehicle or engine parts as this may result in damage to the product. • Install wires away from ignition and also radio signal frequency interference as this could cause the gauges to

 Please set it up so that the equipment such as the wireless machines and cellular phones that emits electric waves should not touch the advance control unit. It may result in incorrect operation.

Do not place wires near the engine, exhaust pipe or turbine. It may result in damage or fusion of wires.

● Do not lay the gauge face down due to oil leakage. Angle "A" must be more than 90 degrees.

• When installing the sensor, do not bend the wire near the sensor body.

• Wear gloves to avoid burns when soldering and cuts when installing wires, sharp edges of parts. • Do not expose the advance control unit to moisture, dust or direct sunlight, or place product directly in front of heat

 Install sensors away from hot or wet places. When using sunshade, put sunshade between products and windshield to avoid direct sun exposure • Use the dried soft cloth for cleanup. Do not use the cleaner except for the neutral detergent. It result in the trouble.

• Do not pull the wires out of connectors forcefully. The connectors may be broken and the wires may be cut. When pulling out the wires, press the lock firmly and unclip the locks of

• Do not install gauges into the passenger side or center of the dashboard. It doesn't meet vehicle safety standards



• Be sure to follow all instructions in this manual to ensure safe installation and operation of the product.

• When the negative (-) battery terminal is disconnected, equipment such as clocks and audio components having internal memory may lose their memory data. Follow the operation manual of each component to reset data after installation of this product.

• After installation is complete, return this operation manual, warranty card, and the package to the customer along with the warranty. • The gauge pointer may not be in the proper position when you purchase the product. Normal function will resume

• Please confirm with the maintenance book on the car that the manufacturer issued when installing and detaching

genuine parts. Before tapping wires, check the voltage of the existing wire. After tapping the wire, check the voltage of the tapped

wire again to confirm whether you have tapped into the proper place. • If car navigation system or car television is installed in vehicle, gauges and wires of this product need to be kept as far away as possible from the wiring and installing positions of car navigation system or car television. Failure to do so may result in interference of television display(VHF).

About Installation and Operation(for customer and installation personnel)

⚠ Warning

• Please have this product installed by the retail store or dealer where it was purchased. Installation by the customer will void the warranty

• Do not disassemble or modify this product. Such actions can not only damage or destroy the product but will also

In order to ensure safe driving, check the information on the gauge only for short periods of time. Looking at the

display for long periods of time could distract adequate attention from the road and result in an accident Discontinue use of this product if the gauge doesn't operate, water gets into the unit, or smoke or a strange odor comes from the unit. If such a condition occurs, contact the sales outlet or installation personnel as soon as possible. Continued use while the condition exists could result in an accident or fire.

Do not operate during driving.

• Fix the switch unit and other parts tightly to the vehicle to avoid that children swallow those.

On no event will Nippon Seiki Co., Ltd. be liable to you for any damages arising out of the use or inability to use the product, even if Nippon Seiki Co., Ltd. has been advised of the possibility of such damage

Do not pull the wires out of connectors forcefully. The connectors may be broken and the wires may be cut. When pulling out the wires, press the lock firmly and unclip the locks of

Confirmation

This product cannot be linked to the Defi-Link System

- Do not connect more than one gauge of each particular gauge to this product(ex. you can have one turbo for this
- The information displayed on this product are for reference purposes only. Please drive according to the indication of vehicle's originally equipped instrument

This product can be used only on 1, 2, 3, 4, 5, 6, and 8 cylinder vehicles with 4 cycle engine. Engine revolution signal of diesel vehicles cannot be displayed.

Lineup (for customer)

Product Name	Product No.
Defi-Link Advance Control unit	DF07701

This product needs to be used with the advance control unit.

One advance control unit can control up to 7 gauges. *Do not connect more than one gauge of each particular gauge to this product (ex. you can have one turbo for this

*In-Mani Press is an abbreviation of Intake Manifold Pressure

CR gauges $\,\Phi$ 52 series

Product name	Display range	White Dial	Black Dial
Turbo2.0	-100 ~ +200kPa	DF07801	DF07802
Turbo1.2	-100 ~ +120kPa	DF07901	DF07902
In-Mani Press *	-100 ~ +20kPa	DF08001	DF08002
Oil Press	0 ~ 1000kPa	DF08101	DF08102
Fuel Press	0 ~ 600kPa	DF08201	DF08202
Oil Temp	50 ~ 150°C	DF08301	DF08302
Water Temp	20 ~ 120°C	DF08401	DF08402
Exhaust Temp	200 ~1100℃	DF08501	DF08502

CR gauges Φ 60 series

Product name	Display range	White Dial	Black Dial
Turbo2.0	-100 ~ +200kPa	DF08601	DF08602
Turbo1.2	-100 ~ +120kPa	DF08701	DF08702
In-Mani Press *	-100 ~ +20kPa	DF08801	DF08802
Oil Press	0 ~ 1000kPa	DF08901	DF08902
Fuel Press	0 ~ 600kPa	DF09001	DF09002
Oil Temp	50 ~ 150°C	DF09101	DF09102
Water Temp	20 ~ 120℃	DF09201	DF09202
Exhaust Temp	200 ~ 1100℃	DF09301	DF09302
Tacho	0 ~ 9000rpm	DF09401	DF09402

BF gauges Φ 60 series

L	Floudcellanie	Display range	vvilile iviouei	Allibel Red Wodel	Dide Model
	Turbo2.0	-100 ~ +200kPa	DF09901	DF09902	DF09903
	Turbo1.2	-100 ~ +120kPa	DF10001	DF10002	DF10003
	In-Mani Press *	-100 ~ +20kPa	DF10101	DF10102	DF10103
	Oil Press	0 ~ 1000kPa	DF10201	DF10202	DF10203
	Fuel Press	0 ~ 600kPa	DF10301	DF10302	DF10303
	Oil Temp	50 ~ 150°C	DF10401	DF10402	DF10403
	Water Temp	20 ~ 120℃	DF10501	DF10502	DF10503
	Exhaust Temp	200 ~ 1100℃	DF10601	DF10602	DF10603
	Tacho	0 ~ 9000rpm	DF10701	DF10702	DF10703

Common Features of ADVANCE CR and ADVANCE BF

• The advanced system (interactive communication) is implemented

 Operation from distance is enabled using a remote control switch unit. • Flat glass, high-definition scale and long, narrow pointer provides accurate indication and high visibility

• The opening mode and ending mode can be selected from two variations.

• To install additional gauges, you can just make connection between gauges and attach the wire from the sensor to

White Model Amber Ped Model Plus Model

product). • Our original stepping motor is used to enable a smooth, instantaneous response to high performance sport driving.

• The microcontroller calibrates up to 270° of deflection angle in 3072 to 4600 segments (0.088° to 0.059°) and provides accurate vehicle information. Self-diagnosis function detects a disconnection of wire, short circuit and communication error, and indicates the error condition with the warning LED.

• A warning value (arbitrary) can be set. Buzzer sounds when the warning LED (red) is turned on (buzzer sound can be turned on/off). Data obtained during driving (peak value and warning value) can be stored up to three minutes, and the data can be

replayed after driving • A dedicated mounting bracket and meter cup are provided as standard equipment. • With both fuel pressure gauge and turbo installed, differential pressure can be displayed on the fuel pressure gauge.

Features of ADVANCE CR

• The opening mode and ending mode can be selected from two variations designed for ADVANCE CR. • The illumination at night can be switched between two different colors (white dial: amber red/blue, black

dial: white/amber red) • The outer edge of the glass is illuminated in red in a ring shape at night.

• A regular position bezel is included as standard equipment.

Features of ADVANCE BF

The opening mode and ending mode can be selected from two variations designed for ADVANCE BF.

• The light-emitting gauge always provides clear visibility with high contrast.

• Brightness can be adjusted by selecting from five levels for daytime and nighttime separately (nighttime dimming cancellation function is available).

Product Specifications of ADVANCE CR and ADVANCE BF

■Power-supply voltage: 10V to 16V DC (12V vehicles only)

■Consumption current: the maximum value obtained when connecting seven gauges +B wire: 2A (IGN ON) 5mA (IGN OFF)

ILM wire: 800mA

■Number of cylinders supporting tachometer: 1, 2, 3, 4, 5, 6, 8 (4-cycle)

■Temperature range (humidity is assumed to be 80% or lower) Unit: °C(°F)

CR/BF gauge -40 (-40) ~ +80(176) $-20(-4) \sim +60(140)$ Advance Control unit -40 (-40) ~ +80(176) -20(-4) ~ +60(140) Switch unit -40 (-40) ~ +80(176) -20(-4) ~ +60(140) Boost sensor $-40(-40) \sim +100(212)$ Pressure sensor -40 (-40) ~ +130(266) Temperature sensor -40 (-40) ~ +150(302) -40 (-40) ~ +130(266) Exhaust temperature sensor (sensing part excluded)

■Illumination color Gauge pointer: red

Warning LED: red PEAK LED: blue

Illumination color for light-emitting BF gauge Illumination color at night for CR gauge White dial: amber red and blue White/amber red/blue Dial Black dial: white and amber red *The outer edge of the glass is not illuminated and Switchable between two different colors the change of illumination color is not available on ADVANCE BF gauge Ring

*How to operate ADVANCE BF (Please refer to Defi-link Advance Control unit operation manual for common operations of ADVANCE CR and ADVANCE BF.)

■Changing the opening/ending mode

For the opening mode and ending mode, you can select either A type (Simple) or B type (HA-NA-BI) by sliding the DIP switch 2 attached to the advance control unit. Before changing the

opening/ending mode, make sure that the ignition is off. Please check both A type and B type operations for their performances.

*The outer edge of the glass is not illuminated and the change of illumination color is not available on ADVANCE BF gauge.

■Real mode Adjusting brightness manually

You can adjust the brightness by pressing the right **RDIM/RESET** in the Real mode, Rec mode or Play

Five levels of brightness are provided for daytime and nighttime separately.

Day mode is changed to night mode as illumination switch turns on. Also, an illumination cancellation function is available which enables to set the highest level of brightness

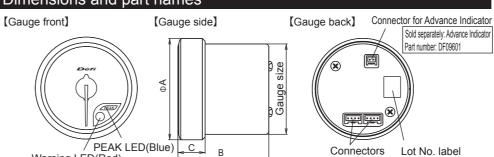
for daytime in night mode. This can be done by pressing the right R DIM/RESET) several times. ■Setting mode

Setting the warning value

Regardless of the illumination status (ON/OFF), the dial illumination of selected gauge lights up with high brightness and the warning LED flashes, whereas the dial illumination of unselected gauge lights up with low brightness and the warning LED turns off.

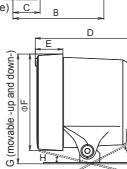
Please refer to Def-link Advance Control unit operation manual for common operations of ADVANCE CR and ADVANCE RE

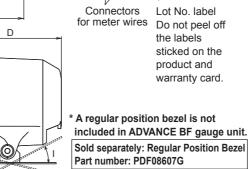
Dimensions and part names



[With Regular position bezel· Meter cup Mounting bracket

Warning LED(Red)





the labels

sticked on the

warranty card

product and

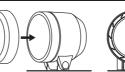
Gauge size Unit: mm(inches **CR** Φ 52(2 1/16") CR 060(23/8") **BF** Φ 60(2 3/8") 58.3(2.3") 66.3(2.3") 66.3(2.3") Α 52.2(2.06") 52.2(2.06") 52.2(2.06" 15.5(0.6") 15.5(0.6") 15.5(0.6") D 68.6(2.7") 68. 6(2.7") 68. 6(2.7") 17.8(0.8") 17.8(0.8") 17 8(0 8") 62.5(2.46") 70.5(2.77") 70.5(2.77")* 69.6(2.74") ~ 71.1(2.8") 77.6(3.05") ~ 79.1(3.1 77.6(3.05") ~ 79.1(3.1")* G 32°* 28°

Installation (for customer and installation personnel)

*Please refer to Advance Control unit operation manual when installing gauges.

■How to wire the power supply wire

How to use the regular position bezel





The red triangle can be used as a limit mark such as speed

limits, not as a warning indicator. To move the position of the red triangle, remove the bezel

once and then adjust the position and attach it again. *A regular position bezel is not included in ADVANCE BF gauge unit. (Sold separately: PDF08607G)

→Connect to the advance control unit or other gauges

How to attach Mounting bracket set

1) Cut the double sided tape as shown in figure 1.

2) Insert convex part of the mounting bracket over the legs of the meter cup. Attach the mounting

bracket to the meter cup with the bolt, nut, and washer included in the kit as shown in figure 2.

3) Attach one piece of double sided tape and the buffer on the gauge as shown in figure 3. (Cut the

buffer into 16cm(6.3") when installing Φ 52(2 1/16") series.) 4) Pass the power supply wire and the sensor wire through the hole of the meter cup and connect them

to the gauge

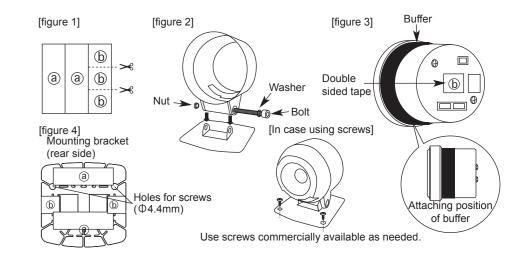
5) Place the gauge in the meter cup making sure that the wires are not sandwiched.

6) Attach double sided tape on the back of the mounting bracket as shown in figure 4. Bend the mounting bracket to conform to the structure of the location where you intend to attach it.

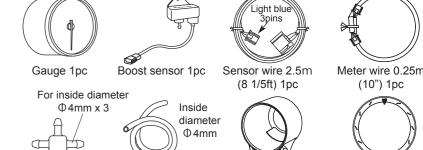
Confirmation

•Use appropriate dashboard cleaning liquids (commercially available) to clean the area where the double sided tape will be attached.

•Do not lay the gauge face down due to oil leakage. Angle "A" must be more than 90 degrees. •If the adherence of double sided tape is not enough, use commercial tapping screws.



Turbo/In-Mani (DF078, 079, 080, 086, 087, 088, 099, 100, 101 series)



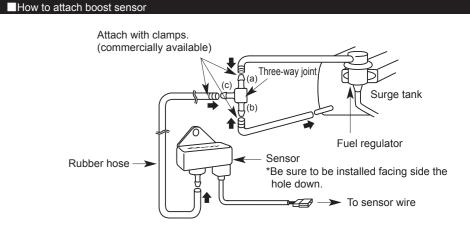
*Regular position Three way joint Rubber hose 0.5m Meter cup 1pc (1 3/5ft) 1pc bezel 1pc(CR only) 1pc Mounting bracket set



Operation manual (this sheet) and warranty card are included other than the parts listed above. Keep them at hand

*A regular position bezel is not included in ADVANCE BF gauge unit. (Sold separately: PDF08607G)

the included rubber hose.



1) The rubber hose attached to the sensor should be as short as possible. Attach the sensor with bolts

(M6) in the engine compartment in an area where it will not be subject to excess heat or vibration. 2) Access to the air pressure intake may be obtained between the surge tank and the fuel regulator.

(A)Detach the vacuum hose from the surge tank side that has less pressure oscillations and connect it to the point (a) or (b) of the three way joint. (B)In order to connect the surge tank with three way joint, cut the required length of the hose from

(C)Use the remaining rubber hose to connect the sensor to the three way joint.

⚠ Warning

• To avoid disconnection of rubber hose and air leak, attach hose clamps or use tie-wraps to secure the adjacent hose in the engine compartment. Disconnected hose or air leak could cause damage to the

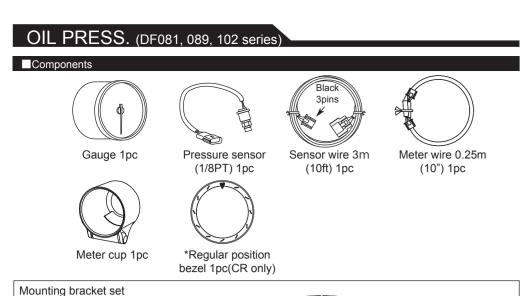
Confirmation-

• The length of the included rubber hose is 0.5m. Please adjust appropriately.

•The included three-way joint can be used only for the piping inner diameter of ⊕4 between the surge tank and fuel pressure regulator. In case of other than Φ 4, use another joint that fits properly.

• The sensor must be installed being the rubber hose connection side faced down. • For vehicles which have a solenoid valve between the surge tank and the fuel pressure regulator

place a three-way joint closer to the surge tank side than to the solenoid side.



Operation manual (this sheet) and warranty card are included other than the parts listed above. Keep them at hand *A regular position bezel is not included in ADVANCE BF gauge unit. (Sold separately: PDF08607G)

Mounting

bracket 1pc

M4 bolt, nut,

washer 1pc

Buffer

1pc

How to attach pressure sensor (Use a commercial sensor attachment.)

Double sided

tape 1pc

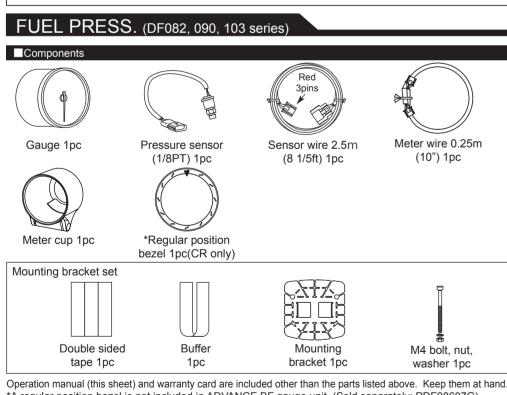
Detach the original element. Sensor attachment (commercially available) Wind Teflon tape Be sure not to twist. Thread size 1/8PT (provided with commercial parts) → To sensor wire

Warning

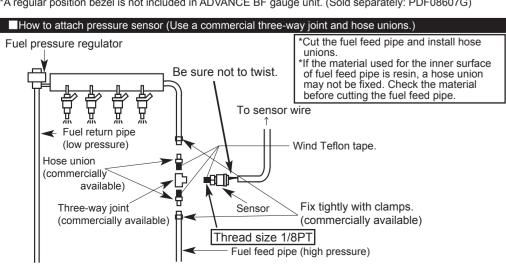
- Be sure the sensor wire is not twisted when installing the sensor. The sensor wire will be cut.
- Oil spills by the installation work. Please replenish the engine with oil. The engine might overheat when oil is too little
- To avoid oil leaks by installing of the sensors, use Teflon tape. Before driving, inspect oil blocks for leaks. Leaks could cause a fire or damage the engine.
- Do not install the sensor near oil pump. Do not install the sensor to pressure switch directly. Failure to do so could damage the sensor because the pressure pulsation is too big and exceed three times full-scale momentarily
- To avoid the damage of the sensor wire, please fix the waterproof connector on the vehicle body and do not bend the sensor wire near the sensor.

Confirmation

- The thread size of the pressure sensor is 1/8PT. Use a sensor attachment of 1/8PT
- Tighten the sensor into the sensor attachment and then connect it to the sensor wire.



*A regular position bezel is not included in ADVANCE BF gauge unit. (Sold separately: PDF08607G)



Warning

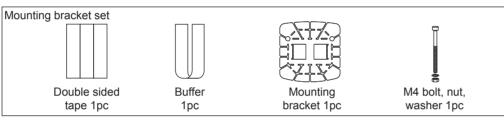
- Be sure the sensor wire is not twisted when installing the sensor. The sensor wire will be cut.
- Before cutting the fuel feed pipe, be certain to remove the gas cap to relieve any pressure built up in the
- When cutting the fuel feed pipe, be certain to discharge static electricity. Otherwise, there is a possibility of the ignition in gasoline
- Wear glasses to protect eyes when cutting the fuel filter pipe.
- To avoid fuel leaks during installation of the sensor, use Teflon tape. Attach hose connection and fuel feed tubing with clamps. Inspect pipes and hose connections for leaks before driving.
- To avoid the damage of the sensor wire, please fix the waterproof connector on the vehicle body and do not bend the sensor wire near the sensor.

Confirmation

- The sensor must be installed on the feed (high pressure) pipe side between the fuel tank and the fuel pressure regulator *It is not possible to obtain accurate fuel pressure from the return (low pressure) side at the rear of the
- fuel pressure regulator The thread size of hose unions and the three-way joint need to be 1/8PT. Use hose unions and a
- three-way joint of 1/8PT
- Tighten the sensor into the sensor attachment and then connect it to the sensor wire.

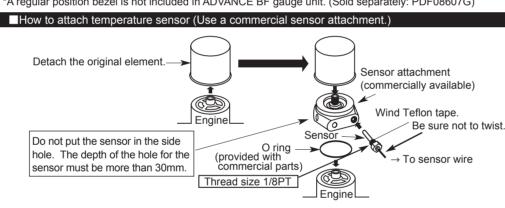
OIL TEMP. (DF083, 091, 104 series)

Gauge 1pc Temperature sensor Sensor wire 3m Meter wire 0.25m (1/8PT) 1pc (10ft) 1pc (10") 1pc Meter cup 1pc *Regular position



bezel 1pc(CR only)

Operation manual (this sheet) and warranty card are included other than the parts listed above. Keep them at hand. *A regular position bezel is not included in ADVANCE BF gauge unit. (Sold separately: PDF08607G)

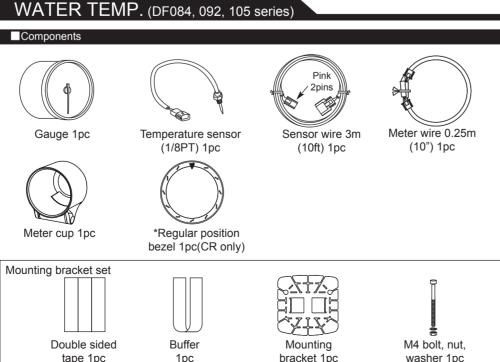


✓!\ Warning

- Be sure the sensor wire is not twisted when installing the sensor. The sensor wire will be cut. • Oil spills by the installation work. Please replenish the engine with oil. The engine might overheat when oil is too little.
- To avoid oil leaks by installing of the sensors, use Teflon tape. Before driving, inspect oil blocks for leaks. Leaks could cause a fire or damage the engine.
- To avoid the damage of the sensor wire, please fix the waterproof connector on the vehicle body and do not bend the sensor wire near the sensor

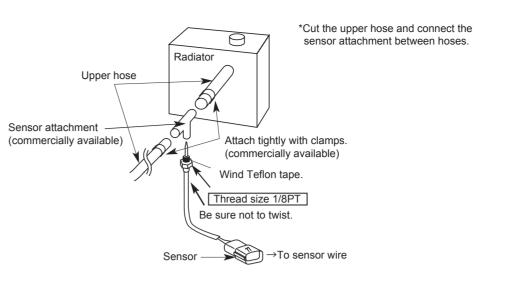
Confirmation -

- The thread size of the temperature sensor is 1/8PT. Use a sensor attachment of 1/8PT
- The depth of the hole for the sensor must be more than 30mm.
- Tighten the sensor into the sensor attachment and then connect it to the sensor wire.



Operation manual (this sheet) and warranty card are included other than the parts listed above. Keep them at hand *A regular position bezel is not included in ADVANCE BF gauge unit. (Sold separately: PDF08607G)

■ How to attach temperature sensor (Use a commercial sensor attachment.)



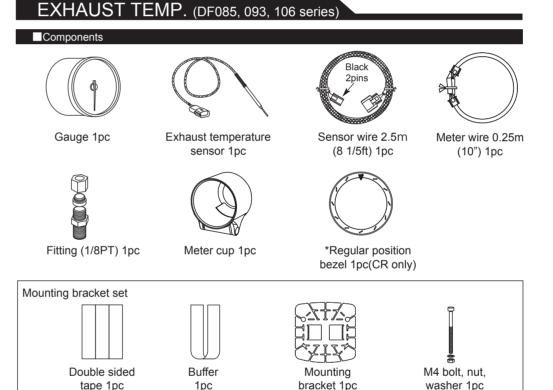
- Be sure the sensor wire is not twisted when installing the sensor. The sensor wire will be cut. Coolant spills by the installation work. Please replenish the engine with coolant and bleed the air
- from the system, or the engine might overheat. • To avoid water leaks during installation of the sensors, use Teflon tape. Attach the sensor

do not bend the sensor wire near the sensor.

attachment and upper hose with clamps. Inspect hose connections for leaks before driving. • To avoid the damage of the sensor wire, please fix the waterproof connector on the vehicle body and

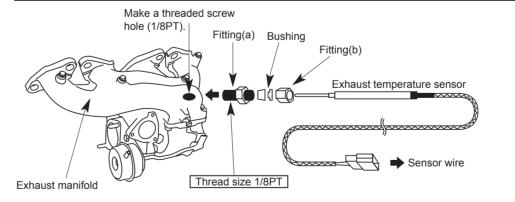
Confirmation

• The thread size of the temperature sensor is 1/8PT. Use a sensor attachment of 1/8PT. • Tighten the sensor into the sensor attachment and then connect it to the sensor wire.



Operation manual (this sheet) and warranty card are included other than the parts listed above. Keep them at hand. *A regular position bezel is not included in ADVANCE BF gauge unit. (Sold separately: PDF08607G)

■How to attach exhaust temperature sensor for exhaust temperature



- 1) Make a 1/8PT threaded screw hole in the exhaust manifold pipe. (Weld if the pipe wall thickness is not
- 2) Dismantle the fitting. Do not crush the bushing inside the fitting.
- 3) Tighten the fitting(a) to the hole of the exhaust manifold.
- 4) Pierce the sensor through the fitting(b) and the busing.
- 5) Insert the edge of the sensor into the fitting(a) and position it at the center of the exhaust pipe. 6) Tighten the fitting(b).

Warning

- •To avoid personal injury, do not install the exhaust temperature sensor while the engine is hot.
- When making a hole, make sure no chip remains in the exhaust pipe or turbine. It may result in damage to the engine, exhaust pipe, or turbine.

- Confirmation

• The thread size of the fitting is 1/8PT. Make a threaded screw hole of 1/8PT. Tighten the sensor into the sensor attachment and then connect it to the sensor wire.

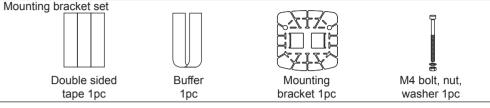
Tachometer (DF094, 107 series)

Gauge 1pc Speed & tachometer Meter wire 0.25m Solderless connector signal wire 2m (6 3/5ft) 1pc (10") 1pc

A booklet in Japanese is included,

but it is valid only in Japan.

1pc



Operation manual (this sheet) and warranty card are included other than the parts listed above. Keep them at hand. *A regular position bezel is not included in ADVANCE BF gauge unit. (Sold separately: PDF08607G)

■How to wire speed and tachometer signal wire

[Warning for wiring of speed & tachometer signal wire]

Meter cup 1pc

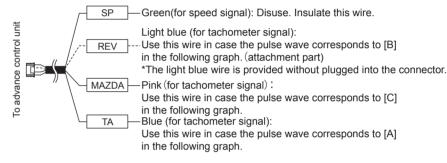
The package of tachometer includes speed & tachometer signal wire. The connector has 4 pins and 3 pins are connected with 3 wires(blue, green, pink). And light blue wire is included as an attachment part.

*Regular position

bezel 1pc(CR only)

The green wire is for speed signal, so it is disuse this time. The blue, pink and light blue wires are for tachometer signal wire. Please choose one wire according to your vehicle. Be sure to use1 wire out of 3 wires correctly as the following procedure. Otherwise it may result in damage to the vehicle.

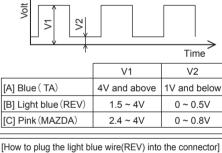
*Please be sure to insulate the unconnected wires



[How to choose the proper wire]

Please confirm that which one of the tachometer signal waveform V1/V2 corresponds to [A], [B] or [C] on the right hand graph of pulse waveform. Then please wire the proper one. The low voltage Mazda vehicles correspond to [C], so please use the pink(MAZDA) wire only. And other low voltage vehicles correspond to [B], so please use the light blue(REV) wire.

In case of using light blue wire, it is necessary to plug the adapter into the connector. Please do as shown in a right figure not to get the top and bottom mixed up. When using other wire, don't plug the adapter into the connector.

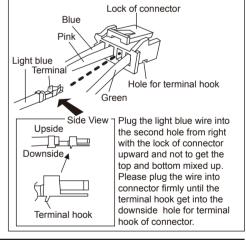


1) Connect one of the blue(TA), pink(MAZDA) or light blue(REV) wire to TA signal of ECU referring ⇒Refer to "How to solder and use the solderless connectors" in Defi-Link Advance Control unit operation

2) Insulate the unconnected wires. 3) Set the cylinder number and response according to

Defi-Link Advance Contol unit operation manual.

* Please contact Defi Business Division if you cannot be find the target type of vehicle in the connection guide, have removed the original tachometer, or use a full computer ignition system which is commercially available.



Please refer to Defi-Link Advance Control unit operation manual for how to install, troubleshooting, repair parts, optional parts, maintenance, check/warranty and servicing.

■Warrantv card · Terms and conditions

This product includes the warranty card besides this booklet. Please read terms and conditions in this manual thorougly and keep the warranty card importantly. The warranty on this product is void without showing warranty card even if it is during warranty period.

Warranty period

For a period of one year from the original date of purchase of the product. Please confirm the shop information is filled in on the warranty card. Ask for the retail store information if it is not provided on the warranty card. Please refer to Limited Warranty for the detail.

Do not peel Lot No. lable off this product. It contains important information on this product

Defi-Link Meter Advance Operation Manual

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