GReddy

SIRIUS

Next Generation Technology Meter

meter
vision
unify
control unit

Instruction Manual

Introduction

TRUST CO., LTD. would like to thank you for purchasing this product.

Please be sure to read this instruction manual completely before using this product.

Always keep this instruction manual in a place which can be easily accessed.

This product is designed for off-road use only.

Observe all local traffic laws and do not use this product while operating a motor vehicle.

Table of Contents

Saftey & Handling Precautions

In order to use this product safely, installation and operation must be performed correctly.

Please read the safety precautions in this manual carefully and the instruction manual of the vehicle to which this product is to be installed.

Only proceed to installation after the contents of this manual have been fully understood.

Carefully pay attention and understand the following notations during installation to prevent any bodily injury or damage to the product, vehicle or property.

⚠ WARNING	Ignoring this indication and handling it incorrectly can result in death or serious injury.

⚠ CAUTION	Ignoring this indication may lead to damage to the product or vehicle.

❶ IMPORTANT	Observe this precaution in order to use this product properly.

ⓘ FOLLOW	This is information you should know in order to use the production properly.

⚠ WARNING

· Personal injury or death could result due to misuse or improper handling of this product. Pay close attention to this installation manual as well as the vehicle's manual in order to properly operate and manage this product.

· Check and make sure there are no flammable items underneath the vehicle prior to commencing installation. Automobile exhausts can reach temperatures high enough to ignite flammable materials such as dry grass, creating the danger of a fire.

· Only have the engine running when necessary. Due to the exhaust gasses emitted from the exhaust, carbon monoxide poisoning may occur in a closed garage or warehouse. Take precautions to work in a well ventilated area, especially when the engine is running.

· To prevent injury or burns, fire or malfunction of the vehicle, only a competent mechanic who received specialized training should install and wire this product.

· Due to the risk of an accident, vehicle malfunction or fire if this product suddenly falls off during driving. Take into consideration vibrations that will occur under normal driving conditions before installing this product.

· The incorrect use of tools such as soldering irons and nippers may cause injury, burns etc. Please carefully read the instruction manual for each tool and use it properly after observing the precautions stated by the manufacturer.

· After completing the installation, please be sure to check that there are no obstructions to pedal operation or around the seat or foot area. If empty cans or tools are caught under the pedals, operation may become impossible, causing a life-threatening situation.

· Do not install this product near the deployment area of the air bag. Doing so may cause the product to become a projectile upon deployment of the airbag, which could lead to serious injury or death.

· Never operate this product while driving. There exists the danger of causing unexpected accidents due to inattentive driving.

· When transferring ownership of the vehicle that this product is installed in, be sure to inform the new owner and provide this instruction manual and warranty card for future use.

Saftey & Handling Precautions

⚠ CAUTION

· Do not disassemble or modify this product in any way. Not only will it cause failure, it will not be covered by warranty.

· Do not wire incorrectly or short circuit. There is a risk of damaging not only this product but also the vehicle's electrical system. Trust will not bear any responsibility in these circumstances.

· We cannot assume any responsibility for damage related to the work of installing this product, so please work carefully.

· Please do not install this product in places with high humidity, dust or high temperatures such as in or around heater ports.

· Do not install this product in places subject to electric interference. This includes areas such as ignition signal or radio. Also, please do not use this product in places where powerful radio waves are generated. Noises due to radio waves etc. may cause malfunction of this product.

· Before commencing any wiring work, be sure to remove the key from the key cylinder and remove the negative terminal on the battery. There is a risk of short-circuiting when working with an active power source. Also, this is dangerous.

· Insulate by winding vinyl tape or similar on spliced wires which have been connected by soldering.

· Make sure to affix wire harnesses with a tie wrap or similar to ensure that they does not come off.

ℹ️ IMPORTANT

· This product is intended for off-road vehicles which may never be driven on a public road.
· This product is only compatible with 12V vehicles.
· By removing the negative battery terminal, some of the vehicle's memory contents may be deleted. This includes things such as the clock, audio, navigation system, electric seat, etc. Please check the operation manual of each product before performing any work. After completing the installation, please set again according to the instruction manual of each product.

ℹ️ FOLLOW

· Since this product is a precision instrument, it is very important not to drop or expose to strong impact.
· When cleaning this product, wipe with a dry cloth. In cases where product has become severely soiled, please wipe with a cloth immersed in a small amount of water and firmly squeezed. Never use benzene thinners on this product, as the case and paint will deteriorate.
· Please understand that this product and this instruction manual may be changed or revised without notice.
· Please contact the authorized distributor that this product was purchased from for any inquiries regarding its use. Any warranty claims made by customers who purchased outside of the authorized dealer network will not be accepted.

Components

◢ Components

● When unpacking the product, please check whether there are any differences in contents or in quantity.

● Also check that there are no differences between the serial number stated in the warranty card and the the main body.
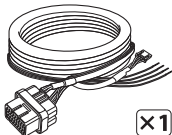
In the unlikely event that there is difference, please contact the authorized retailer where the product was purchased.

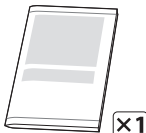### sirius Control Unit Kit

×1

Control Unit

×1

Main Harness

×1
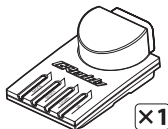
Double-sided Tape

×1

**Instruction Manual
(Japanese)**

×1

**Warranty Card
(Japanese)**

sirius meter Kit

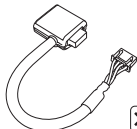**Meter** ×1

Stand ×1

Double-sided Tape ×1

Link Cable ×1

Warranty Card (Japanese) ×1

Stand Bolts M4×15 P0.7 HEX3 ×1

Boost Set

Boost Sensor ×1

Boost Sensor Harness 3 Pin (Red/White/Black) ×1

3 Way Joint ×1

4mm hose .5m ×1

Temp Set

Temperature Sensor(1/8PT) ×1

Temperature Sensor Harness 2 Pin (White/Black) ×1

Press Set

Pressure Sensor (1/8PT) ×1

Pressure Sensor Harness 3 Pin (Red/White/Black) ×1

Components

9

Components
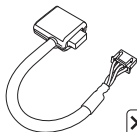
sirius vision Kit

Meter ×1

Stand ×1

Double-sided Tape ×1

Link Cable ×1

Warranty Card (Japanese) ×1

Stand Bolts M4×15 P0.7 HEX3 ×1

Various sensors are sold separately in order to choose the type needed according to application. Please purchase these separately.
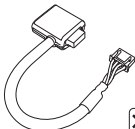
sirius unify Kit

Meter ×1

Stand ×1

Double-sided Tape ×1

Link Cable ×2

Warranty Card (Japanese) ×1

Stand Bolts M4×15 P0.7 HEX3 ×1

Boost Set

Boost Sensor ×1

Boost Sensor Harness 3 Pin (Red/White/Black) ×1

3 Way Joint ×1
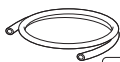
4mm hose .5m ×1

Temp Set

Temperature Sensor(1/8PT) ×1

Temperature Sensor Harness 2 Pin (White/Black) ×1

Press Set

Pressure Sensor (1/8PT) ×1

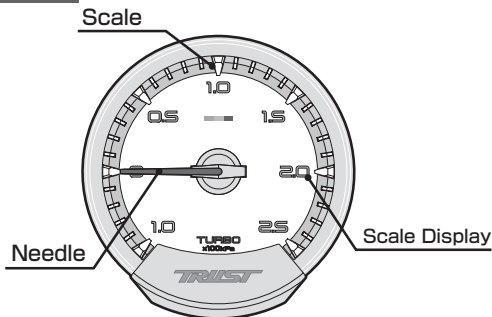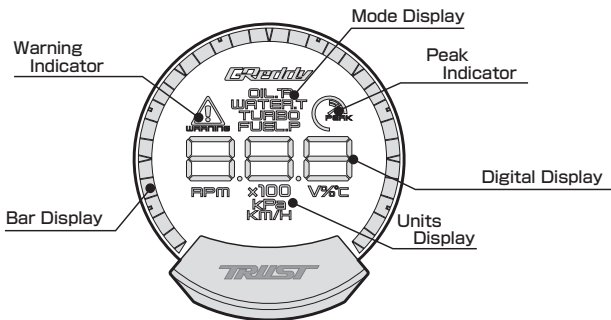**Pressure Sensor Harness 3 Pin (Red/White/Black)** ×1

Components

Component Names

sirius meter

Scale

0.5   1.0   1.5

2.0

1.0   TURBO   2.5
     x100kPa

TRUST

Needle

Scale Display

sirius vision

Mode Display

Warning
Indicator

GReddy

OIL.T
WATER.T
TURBO
FUEL.P
WARNING

Peak
Indicator

PEAK

RPM   x100   V%℃

Digital Display

Bar Display

kPa
Km/H

Units
Display

TRUST

Component Names

MODE Button

SELECT Button

UP Button

DOWN Button

Main Harness
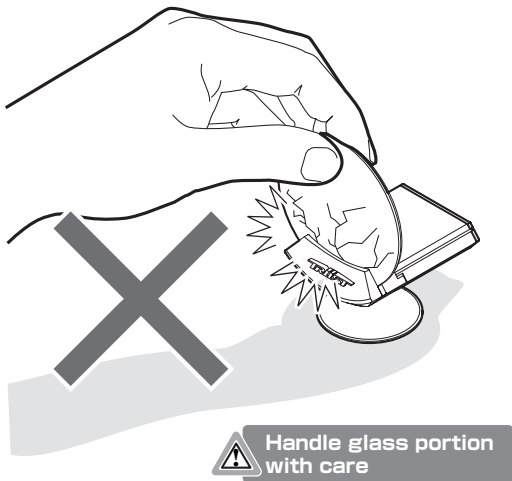Connector (female)
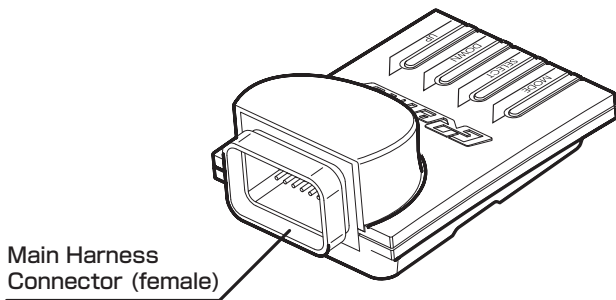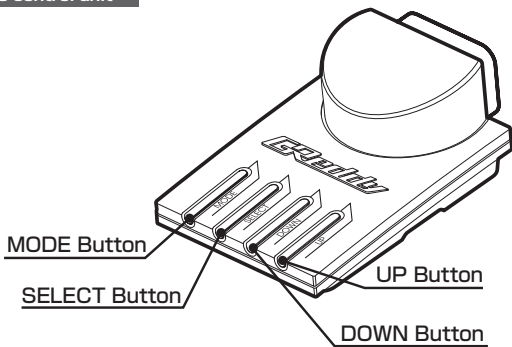
Handling Precautions

The glass panel portion of the sirius vision may be damaged if strong force or pressure is applied. Please handle with care.
Also, be careful not to hit the edge of the glass strongly, as it may chip.

⚠ Handle glass portion with care

When handling the panel part or changing the angle of the meter, etc., always support by the main case and treat the glass panel with care as to not apply any force or pressure.
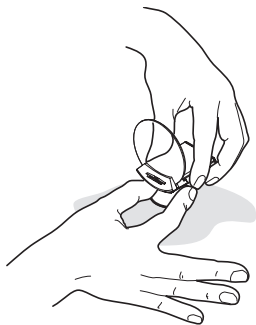
Whenever removing a meter from the double-sided tape, do not pull the main body with excessive force, as this could damage the swing adjustment mechanism. Please use extreme care when separating the adhesive body. A strong string such as fishing line may be used, but be careful not to damage the vehicle's panels.

Durable Fishing Line, etc.
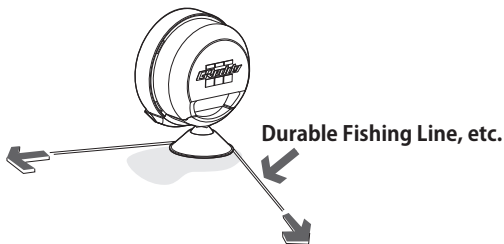
Installation Diagram

sirius vision

sirius unify

Meter Link Harness
※ 1 included with each meter
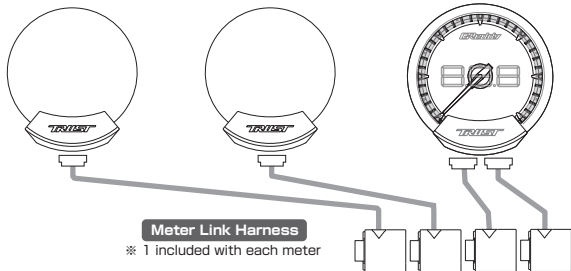
ORANGE	Continuous Power
RED	Ignition
BLACK	Ground
WHITE	Illumination

Boost Pressure Sensor

Connect

Pressure Sensor

Up to 3 can be connected
※Each sensor requires a dedicated harness

Connect

Temperature Sensor
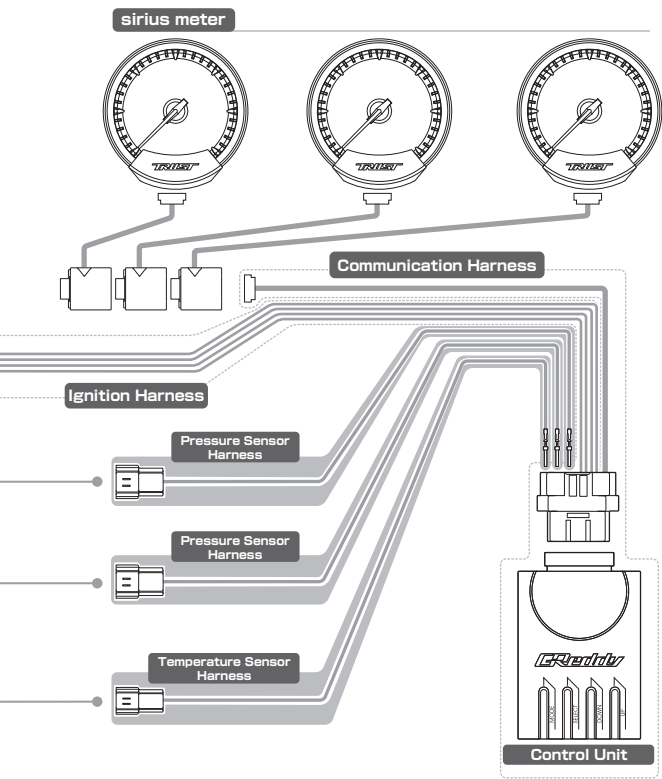
Up to 4 can be connected
※Each sensor requires a dedicated harness

Connect

sirius meter

Communication Harness

Ignition Harness

Pressure Sensor
Harness

Pressure Sensor
Harness

Temperature Sensor
Harness

GReddy

Control Unit

Installation

█ Sensor Installation Diagrams

▌ Boost Sensor

(Using the 3 way joint and 4mm hose)

3 Way Joint

Intake Manifold

4mm hose

Fuel Pressure Regulator

Sensor Body
(affix so that the nipple is facing downwards)
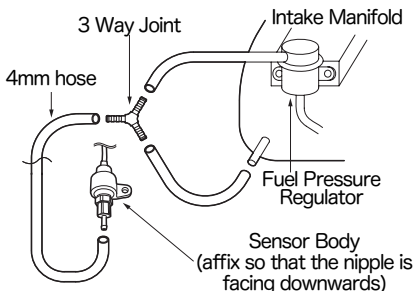
※**Make sure to secure the hose with a hose clamp or similar**

▌ Temperature Sensor

(Using a radiator adaptor - sold separately)

Water Temp Sensor
1/8 thread
(use PTFE or similar
thread seal tape)

Hose band

30mm

Radiator Hose Attachment
(sold separately)

■ Oil Pressure・Oil Temperature Sensor

(Using a Oil Temperature/Oil Pressure sensor adaptor - sold separately)
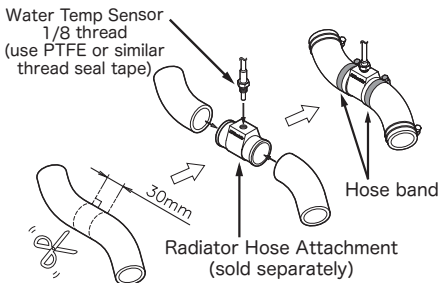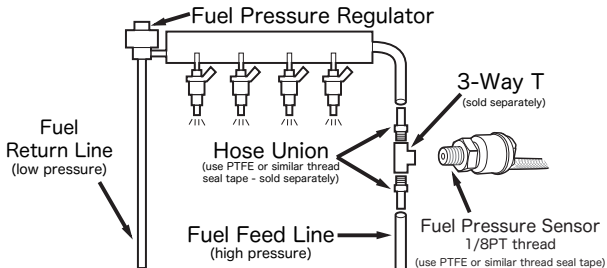
Engine side (clean thoroughly)

Oil Temp Sensor 1/8 thread (use PTFE or similar thread seal tape)

Oil Filter

Center Bolt

O Ring (apply engine oil)

Oil Pressure Sensor 1/8 thread (use PTFE or similar thread seal tape)

Oil Temperature /Oil Pressure sensor adaptor (sold separately)
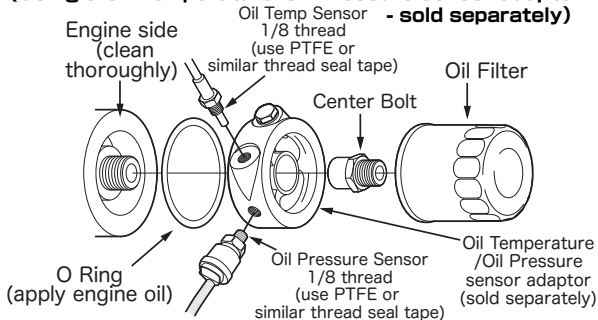
■ Fuel Pressure Sensor

(Using a three-way tee block and hose unions - sold separately)

Fuel Pressure Regulator

3-Way T (sold separately)

Fuel Return Line (low pressure)

Hose Union (use PTFE or similar thread seal tape - sold separately)

Fuel Feed Line (high pressure)

Fuel Pressure Sensor 1/8PT thread (use PTFE or similar thread seal tape)
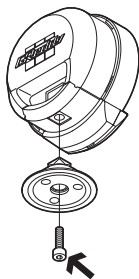
※Make sure to secure the hose with a hose clamp or similar
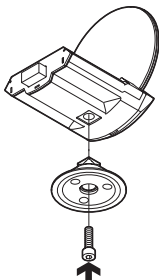
Installation

■ Installing the meter stand

There is a threaded hole for mounting the base on the bottom side of the meter body. Refer to the figure below and affix the stand to the base with the provided cap bolt.

sirius meter	sirius vision	sirius unify
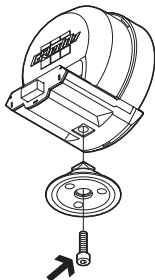
Cap Bolt M4 x15 P0.7 3mmHEX (Included)

The screw hole surface on the lower side of the meter body is the same rectangular groove as the meter stand mounting surface. When installing, tighten the cap bolt after ensuring that the mating surface of the meter pedestal fits properly in this groove.
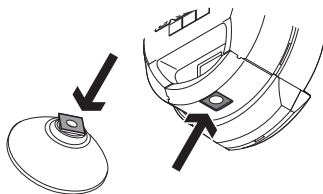
Tighten the bolt to the proper torque specifications using a hexagonal wrench.

Torque: 0.5 to 0.6 N·m (5 to 6 kgf·cm)
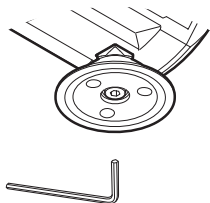
⚠ **DO NOT over tighten as it could damage the case or bolt.**

Firmness of the head swing can be adjusted by tightening the three screws on the bottom of the stand.

■ Main Harness Wiring

Pin numbers are engraved on the connector housing

34 33 32 31 30 29 28 27 26
25 24 23 22 21 20 19 18
17 16 15 14 13 12 11 10
9 8 7 6 5 4 3 2 1

Connector Lock
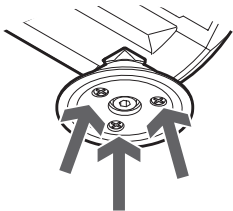
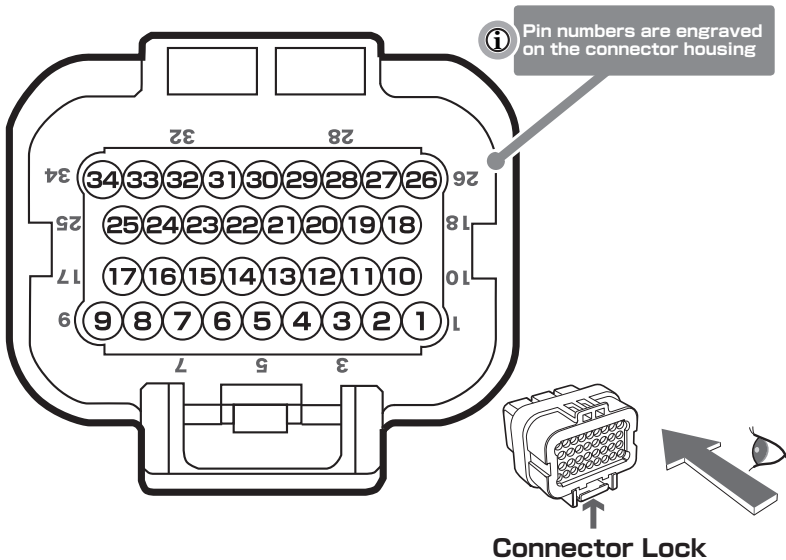| PIN#	Function	Class	Color	PIN#	Function	Class	Color
1	BOOST	+5V	RED	18	EXPANSION PORT (※May be used for future upgraded features)		
2	BOOST	Signal	WHITE	19	EXPANSION PORT (※May be used for future upgraded features)		
3	BOOST	Ground	BLACK	20	EXPANSION PORT (※May be used for future upgraded features)		
4	OIL PRESS	+5V	RED	21	EXPANSION PORT (※May be used for future upgraded features)		
5	OIL PRESS	Signal	WHITE	22	—	—	—
6	OIL PRESS	Ground	BLACK	23	AUX PRESS	+5V	RED
7	FUEL PRESS	+5V	RED	24	AUX PRESS	Signal	WHITE
8	FUEL PRESS	Signal	WHITE	25	AUX PRESS	Ground	BLACK
9	FUEL PRESS	Ground	BLACK	26	METER COMMUNICATION HARNESS ※Installed at time of shipping	+12V	RED
10	WATER TEMP	+5V	WHITE	27	METER COMMUNICATION HARNESS ※Installed at time of shipping	Ground	BLACK
11	WATER TEMP	Ground	BLACK	28	METER COMMUNICATION HARNESS ※Installed at time of shipping	CAN Hi	PINK
12	OIL TEMP	+5V	WHITE	29	METER COMMUNICATION HARNESS ※Installed at time of shipping	CAN Lo	LIGHT BLUE
13	OIL TEMP	Ground	BLACK	30	—	—	—
14	AUX TEMP 2	+5V	WHITE	31	VEHICLE POWER SUPPLY ※Installed at time of shipping	ILLUMINATION	WHITE
15	AUX TEMP 2	Ground	BLACK	32	VEHICLE POWER SUPPLY ※Installed at time of shipping	IG	RED
16	AUX TEMP 1	+5V	WHITE	33	VEHICLE POWER SUPPLY ※Installed at time of shipping	CONT +	ORANGE
17	AUX TEMP 1	Ground	BLACK	34	VEHICLE POWER SUPPLY ※Installed at time of shipping	GND	BLACK

Installation

Feed sensor wiring harness through the vehicle's firewall by using the service holes.
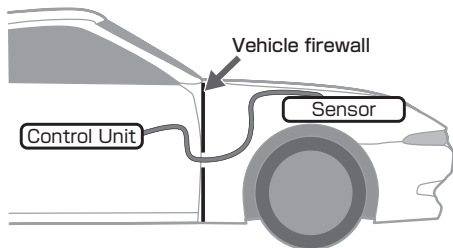
Unlock the main harness connector.

The lock is released by slightly pushing the pin, indicated by the arrow in the figure below, until it clicks. When the lock is released, the pin will remain in the unlocked position.
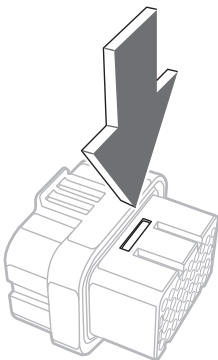
Refer to the pin position diagram and make sure that all connections are correct when inserting the terminal inside the connector. Installing pins incorrectly could result in damage to the unit.
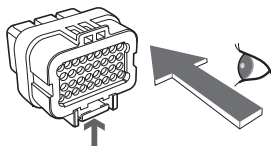
View with the lock pin facing DOWN

When inserting pins into the connector, be careful not to damage the seal part inside the connector housing as shown in the figure below.


Seal part inside the connector
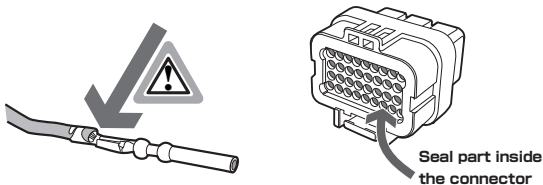
Please check carefully that the pins are firmly inserted in the connector. If a pin is not inserted completely, pin on the connector cannot be locked. This will result in a poor contact and the device may not operate properly.
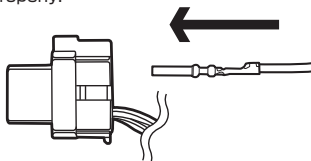
Installation

The pins can be checked to make sure that they are firmly inserted in the connector completely by viewing from the front side of the connector. Refer to the figure below and check that the pins are correctly inserted.
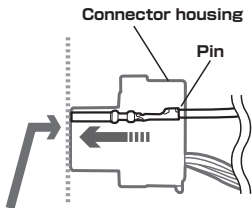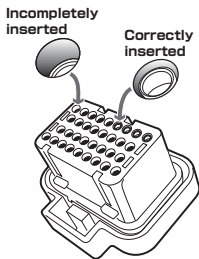
Confirm the pin is inserted completely.
If pins are not inserted completely, the lock pin will not operate properly

> (i) If a sensor is not connected, the DIGITAL display on the sirius vision will display as "- - -". In the case of a sirius meter, the needle will point below the the lowest value on the meter face.

After the pins are inserted correctly, proceed to set the pin lock on the connector.
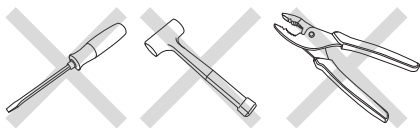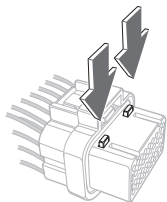
Applying a strong force (such as striking with a hammer, piercing with a sharp pointed object such as a screwdriver, pulling with a plier, etc.) can result in the locking mechanism becoming damaged.

If if isnt able to be locked, check to make sure that the pin is inserted correctly in the connector housing again.

■ Installing the Control Unit

When choosing the mounting location of the control unit, make sure to affix it properly to reduce the risk of it becoming loose during driving. Install in an area that does not obstruct driver visibility or impede driving operation.

The Control Unit should be mounted on a flat surface. Mounting on a curved surface may increase the risk of the unit becoming loose during driving.

When using the included double-sided tape, cut the shape according to the bottom of the control unit. Please refer to p.61 for cutting dimensions.
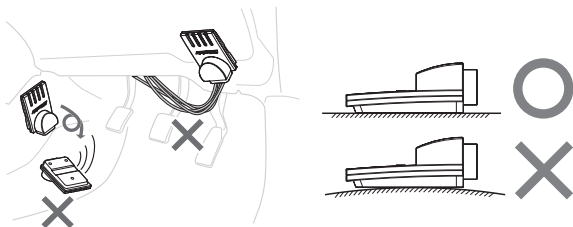
Securely affix the wiring with a cable tie or similar. Please ensure that steering and/or pedal operation are not hindered and that there isn't the possibility of severing or disconnection of wire due to interference with any moving parts.
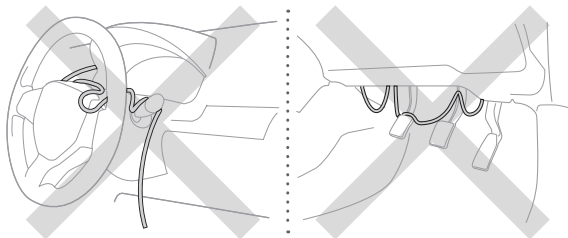
Installation

When using double sided tape, wipe off any oil and dirt to ensure a robust bond.

※ Please do not use any organic solvents such as paint thinner. It may cause discoloration or deformation on the applied surface/part.

⚠ **Do not use organic solvents.**

▌ Power Supply Harness Wiring

▌ Wiring Preparation

Please remove the negative terminal of the battery before wiring the power supply harness.

Please note that depending on the type of equipment (car navigation system, audio, etc.) currently installed in the vehicle, data (such as time and date) may be erased.

Also, depending on the vehicle, an error may occur by shutting off the battery power supply. Always consult the vehicle instruction manual prior to installation.
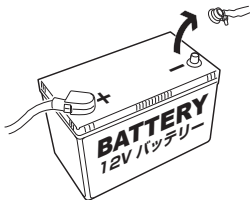
⚠ **Please be mindful of losing data on other vehicle equipment**

⚠ **Please be careful to not cause a short in the battery**

◼ Wiring

Wiring of the power supply harness should be performed correctly according to the wire color with reference to the figure below.

Wiring the red wire and yellow wire to the ignition power supply or wiring the constant power supply and ignition power supply in reverse may cause a malfunction.

Be careful not to short-circuit during wiring, as it may cause damage to the internal circuit.

ORANGE	Continuous
RED	Ignition
BLACK	Ground
WHITE	Illumination
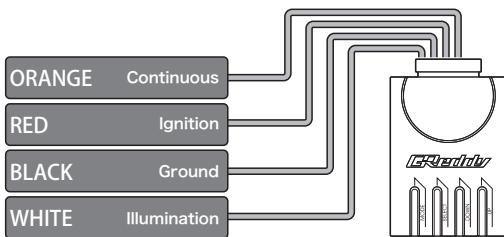
Power supply wiring examples on the vehicle side:

- **From audio equipment wiring**
- **From key ignition cylinder**
- **From ECU**

When wiring, please refer to the wiring diagram of the vehicle and be careful not to damage other wiring.

Installation

Connecting the Control Unit and Meters

Meter (meter, vision) connection

Connect the communication harness of the main harness to the connector on the back of the meter.
Please check carefully, as the connectors have top and bottom sides.

UP

Locking claw
will be on
the bottom side
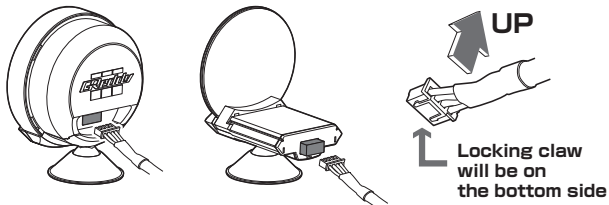
Meter (unify) connection

There are two connectors for connecting the communication harness on the back of the sirius unify.
You can connect and route the attached link harness by curving it as the illustration below.
If the link harness is hard and difficult to bend due to cool temperature etc., it can be warmed with a drier to make it soft and easier to bend.
Connect the communication harness of the main harness to the branch connector.
Please check carefully, as the connectors have top and bottom sides.

UP

Locking claw
will be on
the bottom side
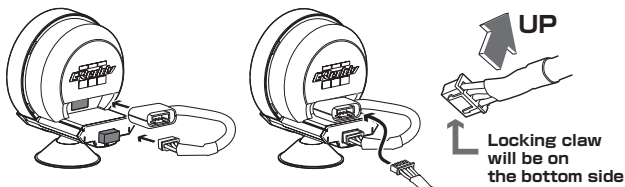
▐ Linking Multiple Meters

Connect the communication harness of the main harness to the link cable.
You can add meters by connecting cables.

Meter Link Harness

Control Unit

Communication
Harness
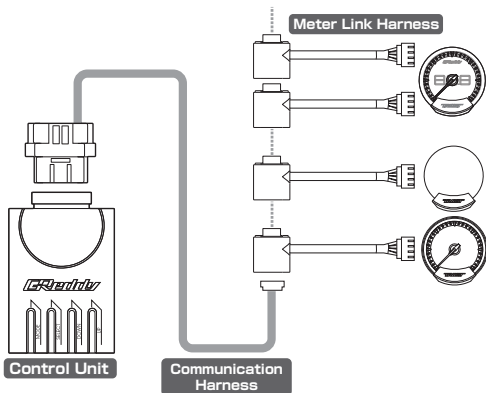
▐ Reconnecting the Battery

After completing the final check to ensure that all wiring is correct and
connections are secure, reinstall the negative terminal to the battery.
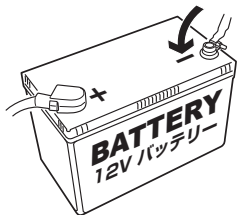
BATTERY
12V バッテリー

⚠ Please be careful to not cause
a short in the battery

Installation

█ Meter Installation

When using double sided tape, wipe off any oil and dirt to ensure a robust bond.
※ Please do not use any organic solvents such as paint thinner. It may cause discoloration or deformation on the applied surface/part.

THINNER シンナー

⚠ **Do not use organic solvents.**

Adjust the included double-sided tape to the base and cut it to the size of your choice and paste it. Refer to p. 60 for cutting dimensions.

If it becomes difficult to peel off the meter from the bonded surface, please use a strong fishing line or similar to separate the adhesive. Twisting by force could break or damage the the main body.

Durable Fishing Line, etc.

Wiring

Splicing or soldering wiring

Connect meter wire to main wire using a splice crimp.

Crimp with appropriate tool

SPLICING

SOLDERING

Strip the wires

Wrap the stripped wiring

Solder on the wrapped wires

Wrap the insulation tape or cover the heat shrink tube

Using bullet connectors

Strip the coating of the wiring and insert the sleeve

Insert wire in the bullet connector

Crimp core wire section using electric pliers

Crimp the cover crimp part, cover the sleeve

Operation

PEAK VALUE Display / Clear Mode

All meters PEAK value display

- **S** Move to item PEAK value display
- **M** Return to real time display
- **M** Clear PEAK value on all meters

Individual item PEAK value display

- **S** Select item
- **M** Return to PEAK value display

Clearing PEAK values after selecting item

- **S** Clear the PEAK value of selected item
- **S** Select next item
- **M** Return to PEAK value display

REAL TIME DISPLAY MODE

Real time display

- **M** Go to all meter WARNING values display
- **M** Move to all meter PEAK value display
- **S** Transition to digital display item setting
- **S** Move to bar display item setting

In all setting modes, when no operation for 10 seconds continues, the display returns to real time display.

M···MODE
S···SELECT
U···UP
D···DOWN
◯ ···Momentary button push
⬭ ···Long button push

Digital display item setting mode
※ Vision only

Digital display item setting

- **S** Select meter or display unit
- **M** Return to real time display

Changing displayed items after meter selection

- **S** Confirm item change and select the next meter or display unit
- **U** Change display items
- **D** Change display items
- **M** Return to real time display

Bar display parameter setting mode
※ Vision only

Bar display item setting

- **S** Select meter or display unit
- **M** Return to real time display

Changing displayed items after meter selection

- **S** Confirm item change and select the next meter or display unit
- **U** Change display items
- **D** Change display items
- **M** Return to real time display

Setting Mode

WARNING value display / item setting mode

All meters WARNING value display

(S) Go to WARNING value item setting

(M) Go to illumination settings

WARNING value Setting by item

(S) Select item

(M) Return to WARNING values

Changing numerical values after item selection

(S) Confirm the set value and select the next meter

(U) Increase WARNING setting value

(D) Decrease WARNING setting value

(M) Return to WARNING values

Illumination setting mode

Illumination setting (meter)

(U) Increase brightness

(D) Decrease brightness

(M) Return to real time display

(S) Select between meter/vision

Illumination setting (vision)

(U) Increase brightness

(D) Decrease brightness

(M) Return to real time display

(S) Select between meter/vision

Adjustment is the same for night time by turning on the vehicles headlights.
Illumination wire (white) must be installed.

Reset Function

(M) + (S) + (U) + (D)
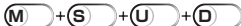
Hold all four buttons at the same time for 5 seconds

Opening/Ending ON/OFF Function

※Can only be accessed in real time display mode

(M) + (S) + (U)　Opening/Ending ON

(M) + (S) + (D)　Opening/Ending OFF

Operation flow chart

Operation

▌PEAK Value Display/Clear

The PEAK function stores and displays the maximum value (peak value) measured by the meter connected to the controller up to the present time. In real time display, pressing the MODE button once will turn on and display every meter's PEAK values.
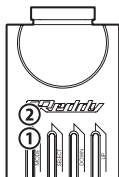
▌Displaying and Clearing PEAK values for all meters.

① ※From real time display Push the MODE button

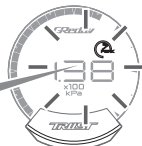PEAK Value display (all meters)

② Hold the MODE button

PEAK Value clear (all meters)

PEAK Value Display (all meters)

The needle will blink when displaying PEAK Values on all meters.

sirius meter

The numerical display will blink along with the PEAK indicator on all meters.

sirius vision

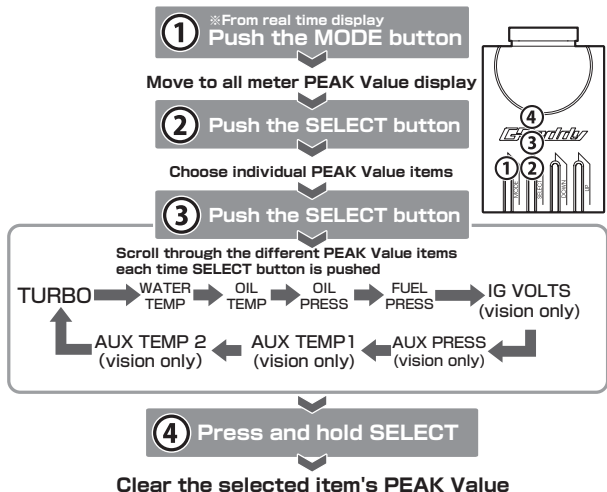When the needle is blinking, this indicates that PEAK Values are being displayed.

When the numerical display and the PEAK indicator are blinking, this indicates that PEAK Values are being displayed.

● To return to real time display, press the MODE button or meters will automatically return to real time value display after 10 seconds.
● To clear all meter's PEAK Values, press and hold the the MODE button.

Displaying and clearing individual item PEAK Values

During PEAK display (all meters) press the SELECT button select individual items to view.
Press the SELECT button again to scroll through the different items.

① ※From real time display
Push the MODE button

Move to all meter PEAK Value display

② Push the SELECT button

Choose individual PEAK Value items

③ Push the SELECT button

Scroll through the different PEAK Value items each time SELECT button is pushed

TURBO → WATER TEMP → OIL TEMP → OIL PRESS → FUEL PRESS → IG VOLTS (vision only)

AUX TEMP 2 (vision only) ← AUX TEMP1 (vision only) ← AUX PRESS (vision only) ←

④ Press and hold SELECT

Clear the selected item's PEAK Value

● Each time the SELECT button is pushed, the different items are repeatedly switched in the above order.
● While selecting items, the needle will blink on the meter and the PEAK indicator and PEAK values will blink on the vision.
● Pushing the SELECT button will move to the next item in order.
※ For details on screen display of non-dedicated items (AUX TEMP, AUX PRESS etc..) please refer to p.38.

Operation

● Pushing and holding the SELECT button will clear the selected item's PEAK Value. After clearing the selected item's PEAK Value, it will return to PEAK Value select menu.
● Push to MODE button to return to all meter PEAK Value display menu.
● If no button is pushed for 10 seconds or if MODE is pushed once more, it will automatically return to real time display.

> (i) If the iTEM value being displayed is the same on the meter and vision (eg: TURBO on meter and TURBO on vision) they will be selected on both displays and thus will blink on both the meter and vision.

■ Non-dedicated Items (PEAK)

Non-dedicated items will display as below in the PEAK Value's menu.
※ Values in the diagram below are for reference purposes only.

IGN VOLTS   AUX PRESS   AUX TEMP 1   AUX PRESS 2

1 Bar blinks   2 Bar blinks
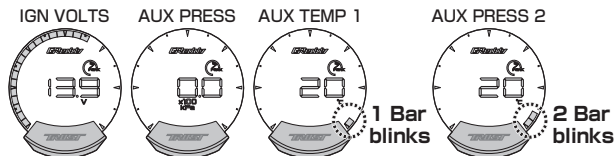
■WARNING display and setting

The WARNING function acts to notify when the measured item value exceeds the set value. In real time display, push and hold MODE button to enter all meters WARNING values.
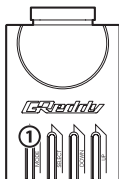
■ Go to all meter WARNING Values

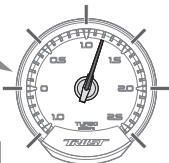
① ※From real time view
Push and hold the MODE button

go to

all meter WARNING Value display mode

┌All meter WARNING Value display

When all meters WARNING values are displayed, the scale lighting turns red with the WARNING value.

sirius meter

When all meters WARNING values are displayed, the WARNING value will blink along with the WARNING indicator.

sirius vision

The scale light turns red with the WARNING value, indicating that the WARNING value is being displayed.

The WARNING indicator flashes with the WARNING value, indicating that the WARNING value is being displayed.

● When all meters WARNING values are displayed, if there is no operation for 10 seconds, it will automatically return to real time display.

Operation

Displaying individual items WARNING Values

When all meter WARNING values are displayed, pressing the SELECT button will set the item-specific WARNING value. Select items individually with the SELECT button.

① ※From real time view
Push and hold the MODE button

Go to all meter WARNING Value display

② Push the SELECT button

Go to individual parameter WARNING Value setting

③ Push the SELECT button

Scroll through the different PEAK Value items
each time SELECT button is pushed

TURBO ➡ WATER TEMP ➡ OIL TEMP ➡ OIL PRESS ➡ FUEL PRESS ➡ IGN VOLTS (vision only)

AUX TEMP 2 (vision only) ⬅ AUX TEMP1 (vision only) ⬅ AUX PRESS (vision only) ⬅

● While selecting each item, the scale flashes quickly in red on the meter, and the WARNING indicator and WARNING value blink rapidly on the vision.

● Push the SELECT button to move to the next item.

* For details on screen display of non-dedicated items (AUX TEMP, AUX PRESS etc.,) please refer to p.38.

ⓘ If the item value being displayed is the same on the meter and vision (eg: TURBO on meter and TURBO on vision) they will be selected on both displays and thus will blink on both the meter and vision.

The WARNING value of the selected item is increased or decreased by pushing the UP and DOWN buttons.

When increasing or decreasing values, pushing and holding the button incrementally increases the amount of change in value, resulting in faster numerical change.

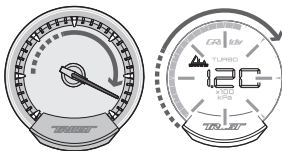> ⓘ Pushing and holding the button will result in faster value change.

④ Push the DOWN button

Setting value will decrease
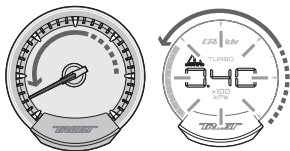
⑤ Push the UP button

Setting value will increase

■ Non-dedicated Items (WARNING)

Non-dedicated items will display as below in the PEAK Value's menu.
※ Values in the diagram below are for reference purposes only.

IGN VOLTS   AUX PRESS   AUX TEMP 1   AUX PRESS 2

1 Bar blinks

2 Bar blinks

Operation

■ Interrupt warning function

The interrupt warning function works when multiple sensors are connected to the sirius vision,
and an item other than the one currently being displayed enters the warning range. In this case the display
will enter WARNING display mode.
In this mode, the vision will continue to show the current displayed item, but in addition the name of the item in warning range and the WARNING indicator will flash.
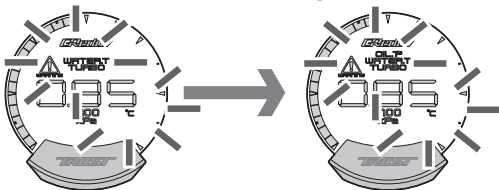If more than one item has reached the WARNING range, then all those item names will blink.

Example: When the display item is set to "TURBO" and "WATER.T" reaches the WARNING area
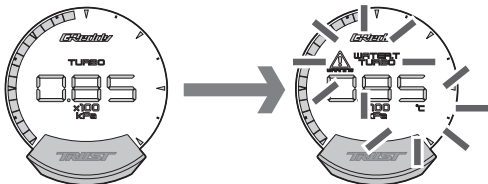
WARNING indicator • item name (WATER.T) • unit (˚C) flashes

When "OIL.T" also reaches the WARNING range from the above mode.

WARNING indicator • item name (WATER.T、OIL.T) • unit (˚C) flashes

■ Non-dedicated Items (Interrupt Warning)

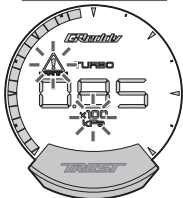Non-dedicated items are displayed as follows.
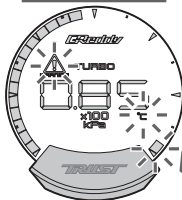※ Values in the diagram below are for reference purposes only.

IGN VOLTS
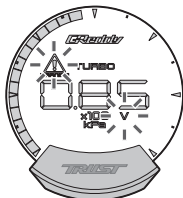
AUX PRESS
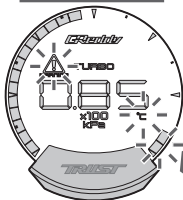
**WARNING indicator
and volt unit (V) will blink**

**WARNING indicator
and pressure unit (kPa) will blink**

- -

AUX TEMP1

AUX TEMP2

**1 bar
blinks**

**2 bars
blink**

**WARNING indictor,
temperature unit (C°)
and AUX TEMP 1
identification bar (1 bar)
will blink**

**WARNING indictor,
temperature unit (C°)
and AUX TEMP 2
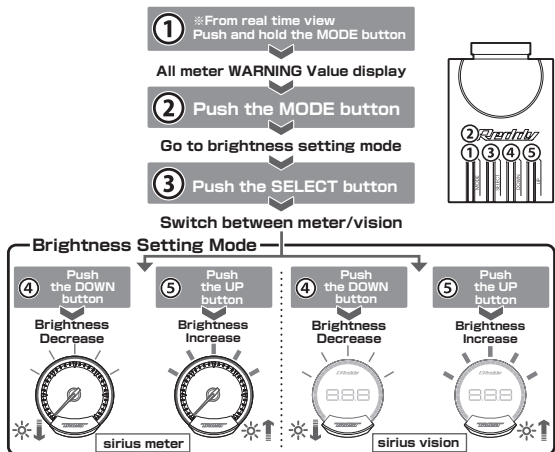identification bar (2 bars)
will blink**

Operation

█ Brightness Settings

This function can adjust the brightness of meter / vision respectively.
Also, independent brightness setting can be preformed when headlights are ON / OFF.
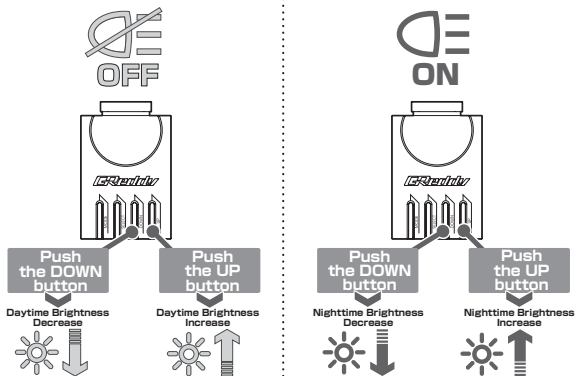
█ Brightness Setting Mode

When all meters WARNING is displayed, press the MODE button again to enter brightness setting mode.
● In brightness setting mode, the meter blinks in white and the vision flashes the GReddy logo and bar display section. Press the UP button to increase the brightness, and press the DOWN button to decrease the brightness.
● You can switch from meter and vision by pressing the SELECT button.
● Pushing the MODE button or not pushing any buttons at all for 10 seconds will return to real time display.

① ※From real time view
Push and hold the MODE button

All meter WARNING Value display

② Push the MODE button

Go to brightness setting mode

③ Push the SELECT button

Switch between meter/vision

─ Brightness Setting Mode ─

④ Push the DOWN button — Brightness Decrease — sirius meter
⑤ Push the UP button — Brightness Increase — sirius meter
④ Push the DOWN button — Brightness Decrease — sirius vision
⑤ Push the UP button — Brightness Increase — sirius vision

Brightness can be set separately for when the headlights are on (nighttime) and off (daytime). (Vehicle's illumination signal must be wired correctly in Control Unit)

● When you want to set the light brightness at night, please adjust the brightness with the vehicle's light switch on.

● When you want to set the light brightness during the day, please adjust the brightness with the vehicle's light switch off.

OFF

Push the DOWN button

Daytime Brightness Decrease

Push the UP button

Daytime Brightness Increase

ON

Push the DOWN button

Nighttime Brightness Decrease

Push the UP button

Nighttime Brightness Increase

Operation

Display Item Settings (digital / bar)

In this mode, you can change the items displayed on sirius vision.
Press the UP button or DOWN button to change the display.
It is also possible to set the digital numerical display and the bar display
to show these values.

Move to display item setting (digital numerical display)

When sirius vision is connected to the controller, push the
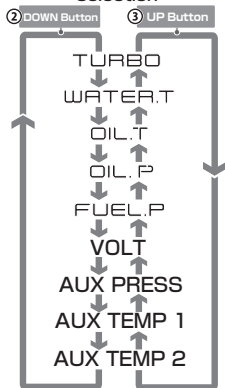SELECT in real time mode to select displayed item.

● Pushing the MODE button or not pushing any buttons at all
for 10 seconds will return to real time display.

ⓘ If the digital numerical display and the bar display are set to show
different items, the names of the two items will display. However, the
unit of measure (C˚ , kPa, etc.) will only light up for the value of the
digital numerical display.

① ※From real time view
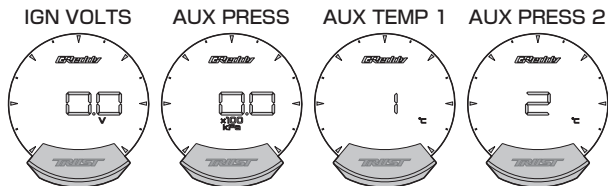Push the SELECT button

Go to digital display
item setting

Display item selection operation

② Push the DOWN button
Display item selection (descending order)

③ Push the UP button
Display item selection (ascending order)

DIGITAL NUMERICAL DISPLAY
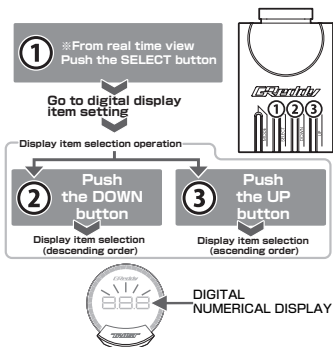
ⓘ When no sensor is input, the DIGITAL display will read「---」

Display item selection

② DOWN Button   ③ UP Button

TURBO
↓
WATER.T
↓
OIL.T
↓
OIL. P
↓
FUEL.P
↓
VOLT
↓
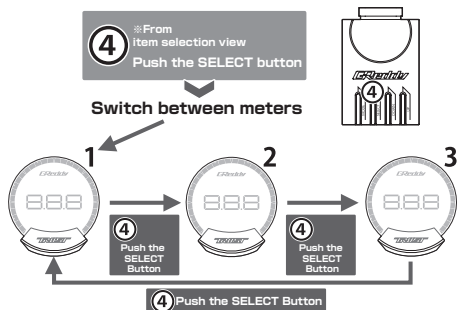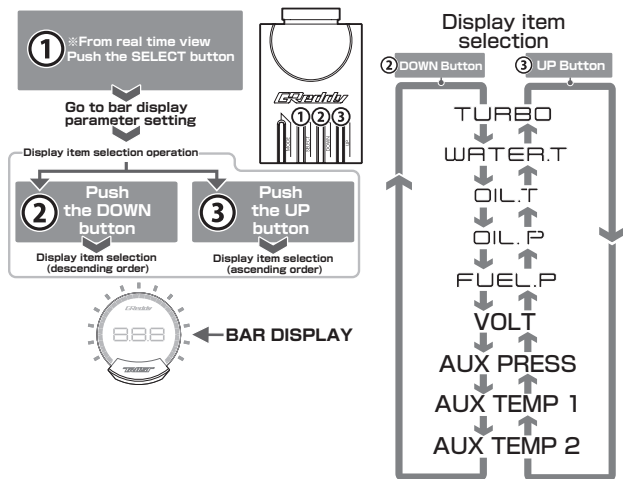AUX PRESS
↓
AUX TEMP 1
↓
AUX TEMP 2

For the IGN VOLTS, AUX PRESS, AUX TEMP 1 & 2 refer to the diagram below.
※ When sensors for the corresponding parameters are connected, general use inputs (V) & (AUX) will be displayed as below in addition the GReddy logo.
※ The values for IGN VOLTS and AUX PRESS are for reference purposes only. To differentiate between AUX TEMP 1 and AUX TEMP 2, the numbers 1 or 2 will be displayed.

IGN VOLTS	AUX PRESS	AUX TEMP 1	AUX PRESS 2

● Press the SELECT button to confirm the item change and select the digital display of the next meter. The sirius vision (up to 3 units) connected to the controller is circulated and selected.
● Pushing the MODE button or not pushing any buttons at all for 10 seconds will return to real time display.

※From item selection view
Push the SELECT button

Switch between meters

④ Push the SELECT Button

④ Push the SELECT Button

④ Push the SELECT Button

Operation

■ Display Item Settings (bar view portion)

When sirius vision is connected to the controller, push and hold the SELECT in real time mode to select bar display item.
● Pushing the MODE button or not pushing any buttons at all for 10 seconds will return to real time display.

> ⓘ If the digital numerical display and the bar display are set to show different items, the names of the two items will display. However, the unit of measure (C°, kPa, etc.) will only light up for the value of the digital numerical display.

① ※From real time view
Push the SELECT button

Go to bar display parameter setting

Display item selection operation

② Push the DOWN button
Display item selection (descending order)

③ Push the UP button
Display item selection (ascending order)

GReddy

← BAR DISPLAY

888

Display item selection

② DOWN Button   ③ UP Button

TURBO
WATER.T
OIL.T
OIL. P
FUEL.P
VOLT
AUX PRESS
AUX TEMP 1
AUX TEMP 2

For the IGN VOLTS, AUX PRESS, AUX TEMP 1 & 2 refer to the diagram below.
※ In addition to the GReddy logo display and units of measurement (C° , kPa, etc) as below, the bar level corresponding to the selected item value will be displayed.
※ The values for IGN VOLTS and AUX PRESS are for reference purposes only. To differentiate between AUX TEMP 1 and AUX TEMP 2, the numbers 1 or 2 will be displayed.
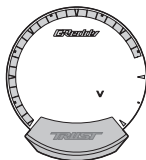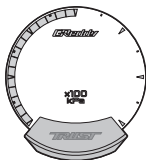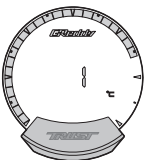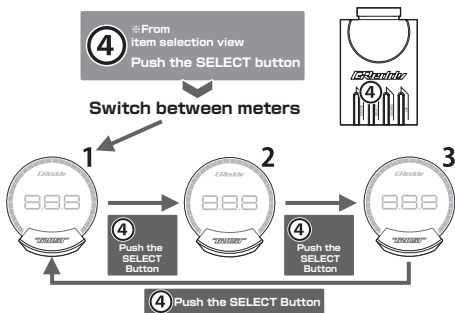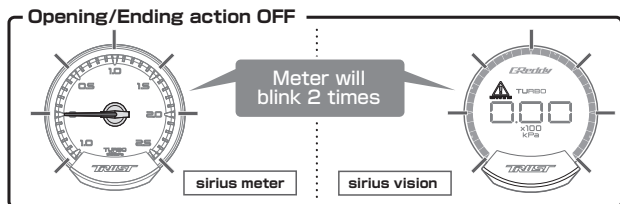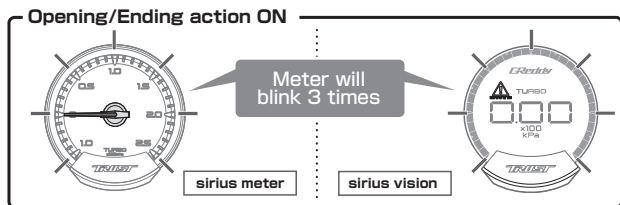
IGN VOLTS   AUX PRESS   AUX TEMP 1   AUX PRESS 2

● Press the SELECT button to confirm the item change and select the bar display section of the next meter. Up to 3 sirius vision units may be connected to one control unit, in the case where more than one vision is connected, the next vision unit will be selected in a circular pattern.
● Pushing the MODE button or not pushing any buttons at all for 10 seconds will return to real time display.
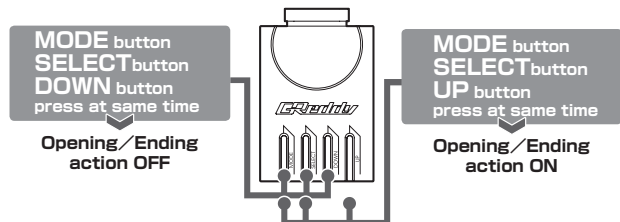

④ ※From item selection view
Push the SELECT button

Switch between meters

1   2   3

④ Push the SELECT Button

④ Push the SELECT Button

④ Push the SELECT Button

Operation

Opening / ending action ON / OFF switching function

Opening and ending action can be selected.
During ON/OFF setting, all meters will blink 3 times to indicate the function is on, and blink 2 times to indicate the function is off.


MODE button
SELECT button
DOWN button
press at same time

Opening／Ending action OFF

MODE button
SELECT button
UP button
press at same time

Opening／Ending action ON

Opening/Ending action ON

Meter will blink 3 times

sirius meter | sirius vision

Opening/Ending action OFF

Meter will blink 2 times

sirius meter | sirius vision

█ Factory Reset Function

The sirius meter series includes a factory reset function which will revert to all settings to the same as that of time of shipping.
Once the factory reset function is activated all meters will blink quickly 3 times.

MODE button
SELECT button
UP button
DOWN button press for 5 sec

∨

Reset to factory settings (All gauges)
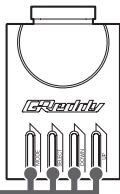
Reset to factory settings (All gauges)

Needle flashes 3 times rapidly

PEAK, item name, units, digital values and BAR indicators will flash 3 times rapidly
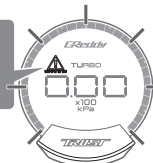
| sirius meter | sirius vision |

Specifications

Specifications

Displayed items max/min range and brightness

The lower and upper limits of the displayable items on each meter of the sirius meter / vision, and the default illumination brightness are as follows.

sirius meter

	Display Value Range	WARNING Initial Value	Remarks
Boost	**-0.99 ~ 2.5 (kPa)**	**1.20 (kPa)**	
Water Temp	**0 ~ 120 (℃)**	**100 (℃)**	
Oil Temp	**20 ~ 140 (℃)**	**120 (℃)**	
Oil Press	**0 ~ 10.0 (kPa)**	**1.0 (kPa)**	※Lower Limit Warning
Fuel Press	**0 ~ 6.0 (kPa)**	**1.5 (kPa)**	※Lower Limit Warning
Brightness	Daytime Light Intensity **7**	Nighttime Light Intensity **3**	

sirius vision

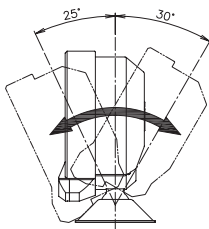|	VALUE DISPLAY RANGE	WARNING Initial Value	COMMENTS
Boost	**-0.99 ~ 2.5 (kPa)**	**1.20 (kPa)**	
Water Temp	**0 ~ 120 (℃)**	**100 (℃)**	
Oil Temp	**20 ~ 140 (℃)**	**120 (℃)**	
Oil Press	**0 ~ 10.0 (kPa)**	**1.0 (kPa)**	※Lower limit Warning
Fuel Press	**0 ~ 6.0 (kPa)**	**1.5 (kPa)**	※Lower limit Warning
AUX Temp 1/2	**20 ~ 140 (℃)**	**120 (℃)**	
AUX Press	**0 ~ 10.0 (kPa)**	**1.0 (kPa)**	※Lower limit Warning
Volts	**9 ~ 18.0 (V)**	**10.0 (V)**	※Lower limit Warning
Brightness	Daytime Light Intensity **7**	Nighttime Light Intensity **2**	

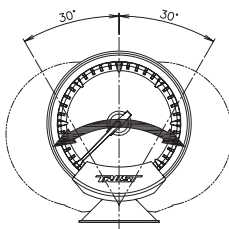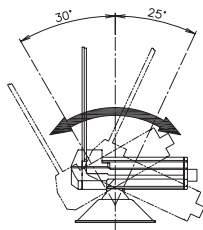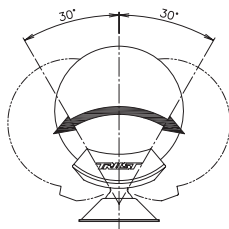### Power Consumption

Power consumption at the control unit when powered off is as below.

sirius control unit

Dark current	approx. 0.2(mA)

Range of motion
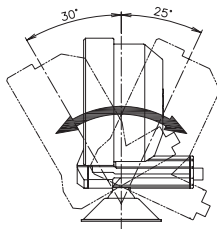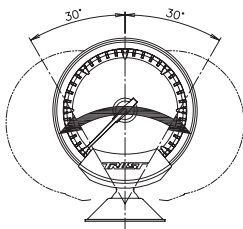
# Troubleshooting

| Problem	Cause	Solution
All systems non-functional	Power supply wiring issues (contact failure, miswiring, etc.)	Refer to "Installation - Power Harness Wiring" in this instruction manual. Confirm that wiring of each power supply and ground wire has been correctly performed. Also check the wiring on the vehicle (IGN, cont, illumination, ground) with a tester, etc.
Needle does not move (meter)	Sensors are not connected or have become disconnected.	Check whether the sensor wiring connector has become scratched or broken. If damage is found, it may be necesary to replace the sensor. Please contact your GReddy dealer.
(− − −) is displayed (vision)		
Numeric values do not change		
Needle points out of range (meter)	Sensor is not connected or has become damaged.	
After the opening action, gauge goes dicrectly to ending action	Power supply wiring is incorrect. (IGN power supply and constant power supply wiring are incorrect, etc.)	Refer to "Installation - Power Harness Wiring" in this instruction manual. Confirm that wiring of each power supply and continuous wires have been performed correctly.
Power turns off without peforming the closing action	Power supply wiring is incorrect. (IGN and Cont power are bundled together, etc.)	
A humming noise emmited from the guage	During operation, a humming noise can be heard emmiting from the gauge.	These guages emit a small operating sound which is normal and presents no problem. If abnormal operation is observed, please consult your GReddy dealer.
Control Unit is powered but will not power the gauge	The communication harness is not properly connected or there is a poor connection between branch harnesses.	Check that the communication harness and the branch harnesses are correctly inserted in the connector on the back of the gauge or have not become disconnected.
Terminal not inserted in main harness connector	The connector is locked or there is a foregn object lodged in the connector.	Check that the pin lock has been released and there are no foreign materials inside the connector.

About After-Sales Service

· If you have any questions about this product, please contact the authorized distributor which sold the unit. Please note that products purchased outside the TRUST distributor network will not be covered under warranty.

· Please keep and safeguard the attached product warranty card.

· The serial number on the main body is required when our company provides any after-sales service. Please be aware that it may not be possible to receive repair service etc. if the serial number has been deliberately peeled off, is unreadable due to contamination, number modification etc.

· If the serial number described in the warranty included in the enclosed package differs from the product number attached to the main body at the time of purchasing this product with a new one, please take a moment to contact the authorized distributor which sold the unit.

· Sirius series products are guaranteed free of manufacturing defects for a period of 1 year from the original date of purchase. Please keep your receipt and contact the authorized distributor which sold the unit for any warranty inquiries.

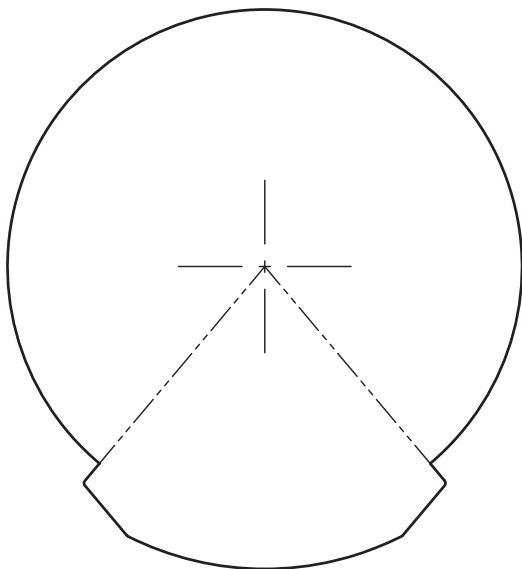# Appendix

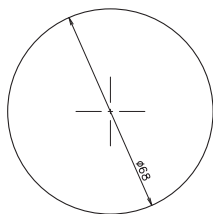**sirius vision for embedded installation**
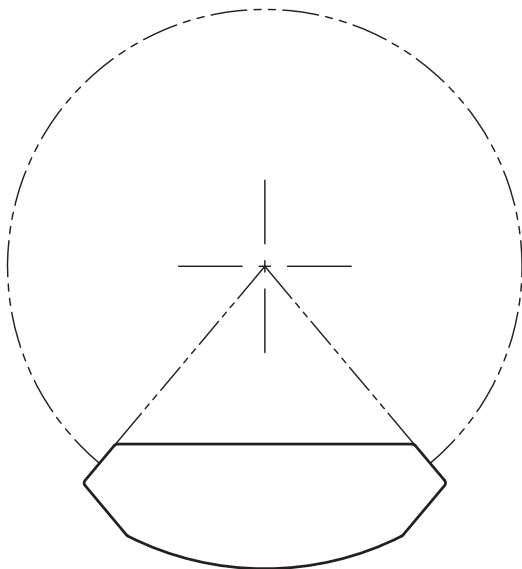
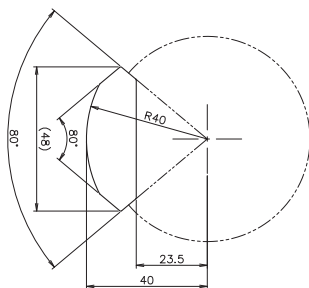Appendix

sirius meter for embedded installation
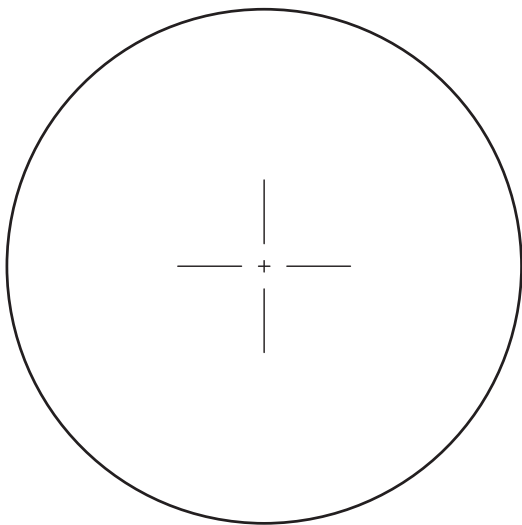
Appendix

sirius unify for embedded installation

Dimensions

R40

80°

(48)°

80°

23.5

40

vision

∅68

meter
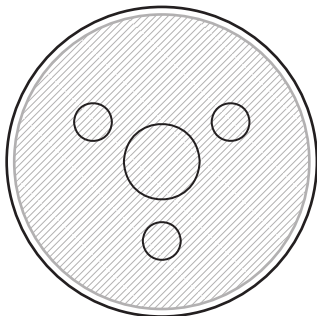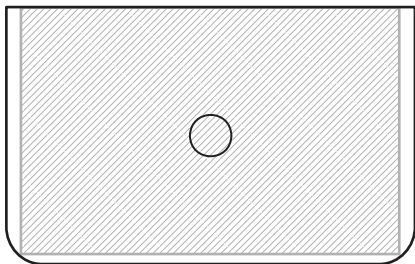
R40
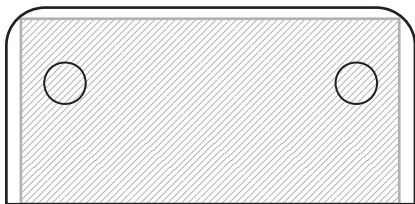
R34

80°

(48)°

80°

40
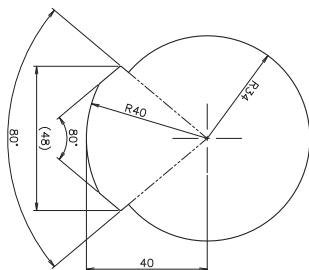
unify

Appendix

Double-sided tape cutting dimensions (meter pedestal)

Double-sided tape cutting dimensions (control unit))

Appendix

Bottom dimension (pedestal, control unit)

Appendix

Discover other gauges and dashboards on our website.