Meter Bracket & Harness Kit(For Super Multi TFT Meter)Instruction manual

Product number	05-06-0030

Adaptation model	Monkey125	(JB02-1000001～) (JB03-1000001～) (JB05-1000001～)
	Monkey125 (Thailand model)	(MLHJB02)

Thank you very much for purchasing our products.
Thank you so you will comply with the following matters at the time of use.Before installation, please check your always kit contents.
If there is a point of notice event, Please contact us the dealer of purchase.

◎ If the description, such as photos or Illustration different with this part.

☆ Please read carefully before use ☆

◎ The use ignoring the instructions that are written in the manual, if the accident or damage has occurred, we can not assume any responsibility for compensation.
◎ This product installation and use, when a problem occurs to after market goods, guarantee other than this product, also can not assume any in any such matters.
◎ If it was the case or mounting that has been processed like a product, it will not be covered under warranty.
◎ It is not possible to inquire of the combination of other manufacturers.
◎ This product is the above-mentioned vehicle exclusive goods.Is not possible attached to the other vehicle. Please note.
◎ Product may have edges or protrusions. Be sure to wear working gloves.
(Please wear work gloves when working, even if a photo in this article show without work gloves.)
◎ Do not use gasoline or thinner (or any solvent)cleaning this product.There is a risk of deterioration of rubber and plastic parts.
◎ If you have any questions, please contact your local Takegawa dealer.
◎ This is a custom bracket kit for mounting the Super Multi TFT meter on the specified vehicle.
All sub wiring and including parts are custom made exclusively for specified vehicle.
◎ This product cannot be used to meters other than Super Multi TFT Meters.
◎ Product and programs are subject to change and improvement without notice.
Even with the same product number, the operation and screen may slightly differ depending on the production time.
◎ There may be a slight speed difference with the GPS of the application etc.
◎ Caution: Some vehicles, when replacing the sprocket, the error code such as “ABS” may come on but it cannot be erased.
(even speed display setting is changed)

～ feature ～

The Super Multi TFT meter can be attached to the Monkey125 with a custom bracket and sub-wire included in the kit.
Using a rubber mount prevents vibration to the meter body.
This custom meter can be equipped a great many functions such as rotation speed, gear position, thermometer, battery voltage display, tire outer diameter correction, power test function, etc. (in addition to speed, odd / trip meter)
You can change the display and set the function with an external switch.
Since the meter comes with a stick temperature sensor, you can detect oil temperature with the adding SP Takegawa magnet drain bolt.

⚠ Note:Super Multi TFT Meter

Do not use LED,H.I.D.headlights or fog lamps kit made by other than our companies at the same time. Some ballast / inverter (voltage converter) generates high-voltage noise that adversely affects the digital circuit, resulting in product failure or malfunction.

⚠ Note: setting the gear position

To set the gear position, both the speed signal and the engine speed signal must be input to the Super Multi DN meter.
Therefore, it is require to learn gear display by chassis dynamo, free roller or actual driving.
We recommend learning gear display by chassis dynamo or free rollers for safety reasons.
Do not learn gear display on driving in the city because there are many traffic lights and traffic in the city.
When performing in actual driving, select a safe place with good visibility and check the surroundings.

⚠ Caution

When the handling of ignoring this display, property damage and human shows the assumption of what injury.

■ When performing the work, etc., be sure during the cold (when the engine and the muffler is cold).(It may cause burns.)
■ When performing the work, it should be made to prepare the tools for the job.(Breakage of parts, it may cause injury.)
■ Do the work must always specified torque using a torque wrench.(Damage of bolts and nuts, and cause of dropout.)
■ The product and the frame, might have edges or protrusions. When working, please wear work gloves to protect your hands. (It may cause injury.)
■ Be sure to each part inspection before operation, check the loosening of the threaded portion, be sure to securely tighten the specified torque if there is loose.(It may cause detachment of the parts.)

⚠ Warning

When the handling of ignoring this display people died, shows the contents of the serious injury possibility is assumed.

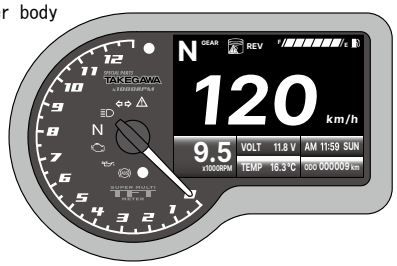
■ During operation, when an abnormality occurs, immediately stop the vehicle in a safe place, please stop running.(It may lead to an accident.)
■ When performing the work, do the work safely stabilize the vehicle in a horizontal location.
(There is a risk of injury vehicle collapsed while working.)
■ Inspection, maintenance, the instruction manual or, inspection methods such as service manuals, to protect the way, should be done correctly.(unsuitable inspection and maintenance, there is a risk that result to an accident.)
■ When carrying out the inspection and maintenance, etc., if found damaged parts, replace the damaged parts to avoid possible to reuse the parts.(There is a risk that lead to accidents Continued use.)
■ Plastic bags of product packaging, you can either be stored in a place that is out of reach of children, it should be discarded.
(When the children or wearing, there is a risk of suffocation.)
■ Do not operate the switch while driving.(It may lead to an accident.)
■ On Monkey 125, changed from stock sprocket teeth, an error will occur in the display of the genuine speedometer.(Will show error code.)
Also, the ABS warning light will light up and ABS will not work. To fix these problems, a vehicle speed signal correction unit is required.
We do not sell vehicle speed signal correction units.

◎ Please note. Performance up, the design change, the product and the price in the cost up, etc. are subject to change without notice.
◎ Please be informed that we shall be held harmless against any claim against us whatsoever arising out of use of the products in racing and the like.
◎ Keep this manual stored until this product is discarded.

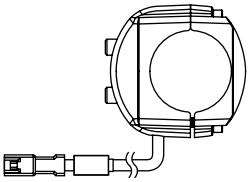
SPECIAL PARTS TAKEGAWA
CONTACT Address : 3-5-16 Nishikiorihigashi Tondabayashi Osaka JAPAN
TEL: +81-721-25-1357 FAX:+81-721-24-5059 e-mail:english@takegawa.co.jp URL http://www.takegawa.co.jp
Please contact with your name and country name provided. (Only English please)

Product content

① Meter body

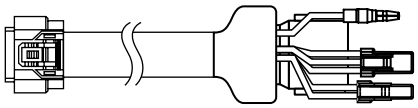


② External switch

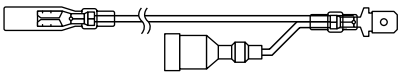


③ Rubber strip

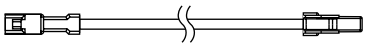
④ SUB harness



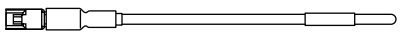
⑤ RPM code B (550mm)



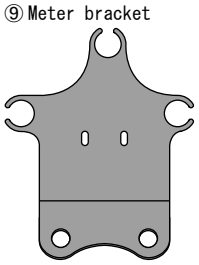
⑥ Temperature sensor connection cord (900mm)



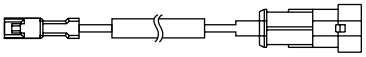
⑦ Stick temperature sensor (～ 250℃)



⑨ Meter bracket



⑧ O_2 Sensor Connection cord (1200mm)



⑩ Cushion rubber

⑪ Tapping screw (M4x12)

⑫ Washer for M4 (4x14x1)

⑬ Cable tie 300mm

■ Super Multi TFT Meter

Number	Product content	Quantity	Item Number
1	Meter body	1	—
2	External switch	1	00-05-0380
3	Rubber strip	1	

※ Please order in the repair parts are always repair part number. If it is not the part number order, you may not be able to order. Please be forewarned.
It should be noted, In the case of parts that can not be separately shipment, please order a set part number.
※ Repair parts may differ slightly from the kit contents in terms of shape, etc. There is no problem to use it. Please be forewarned.
※⑩ Cushion rubber is already assembled on the ⑨ meter bracket.
※ The repair parts for the ⑧ O_2 sensor connection cord are different from the kit accessories and are non-waterproof.

■ Bracket Kit (05-06-0030)

Number	Product content	Quantity	Item Number
4	Sub harness	1	00-05-0216
5	RPM code B (550mm) for IG connection	1	00-05-0371
6	Temperature sensor connection cord (900mm)	1	07-04-0556
7	Stick temperature sensor (～ 250℃)	1	07-04-0555
8	O_2 sensor connection cord (1200mm)	1	00-05-0201 (non-waterproof/2.0m)
9	Meter bracket	1	—
10	Cushion rubber	3	—
11	Tapping screw (M4x12)	3	—
12	Washer for M4 (4x14x1)	3	—
13	Cable tie 300mm	2	—

Fixing the meter body

⚠ Warning Do the work must always specified torque using a torque wrench. (Damage of bolts and nuts, and cause of dropout.)

■ Fixing the meter body and meter bracket

Fig. 1

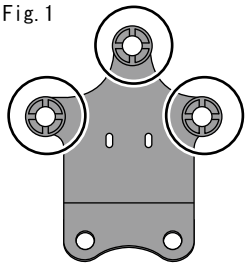
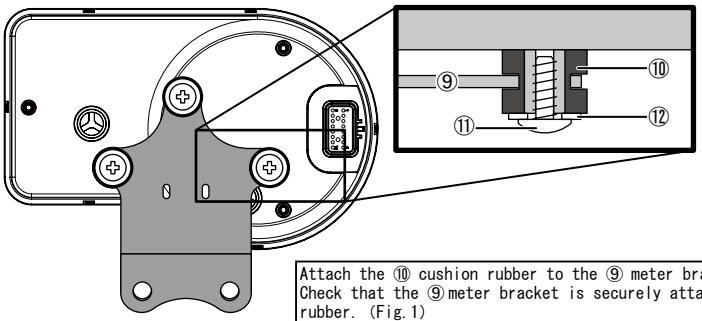


Fig. 2



⑩ Cushion rubber

⑪ Tapping screw (M4x12)

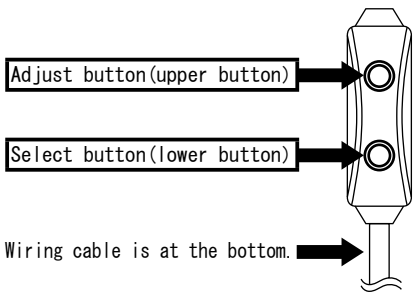
⑫ Washer for M4 (4x14x1)

Attach the ⑩ cushion rubber to the ⑨ meter bracket.
Check that the ⑨ meter bracket is securely attached to the groove in the center of the ⑩ cushion rubber. (Fig. 1)
After attaching the cushion rubber to the bracket, insert the boss of the ① meter body into each ⑩ cushion rubber.
Attach a ⑫ large diameter washer M4 to the boss of the meter body and secure with a ⑪ tapping screw.
Please see (Fig. 2) and confirm the mounting position and order.

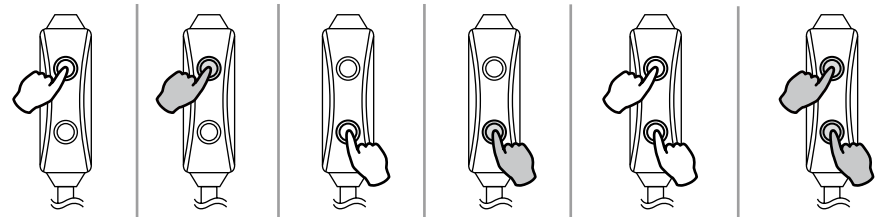
⚠ Note: Do not overtighten the tapping screw.

External switch Operation

Install the meter external switch with the wiring cable underneath as shown in the illustration below. The upper button is the "adjust button" and the lower button is the "select button". (attached as shown figure below)

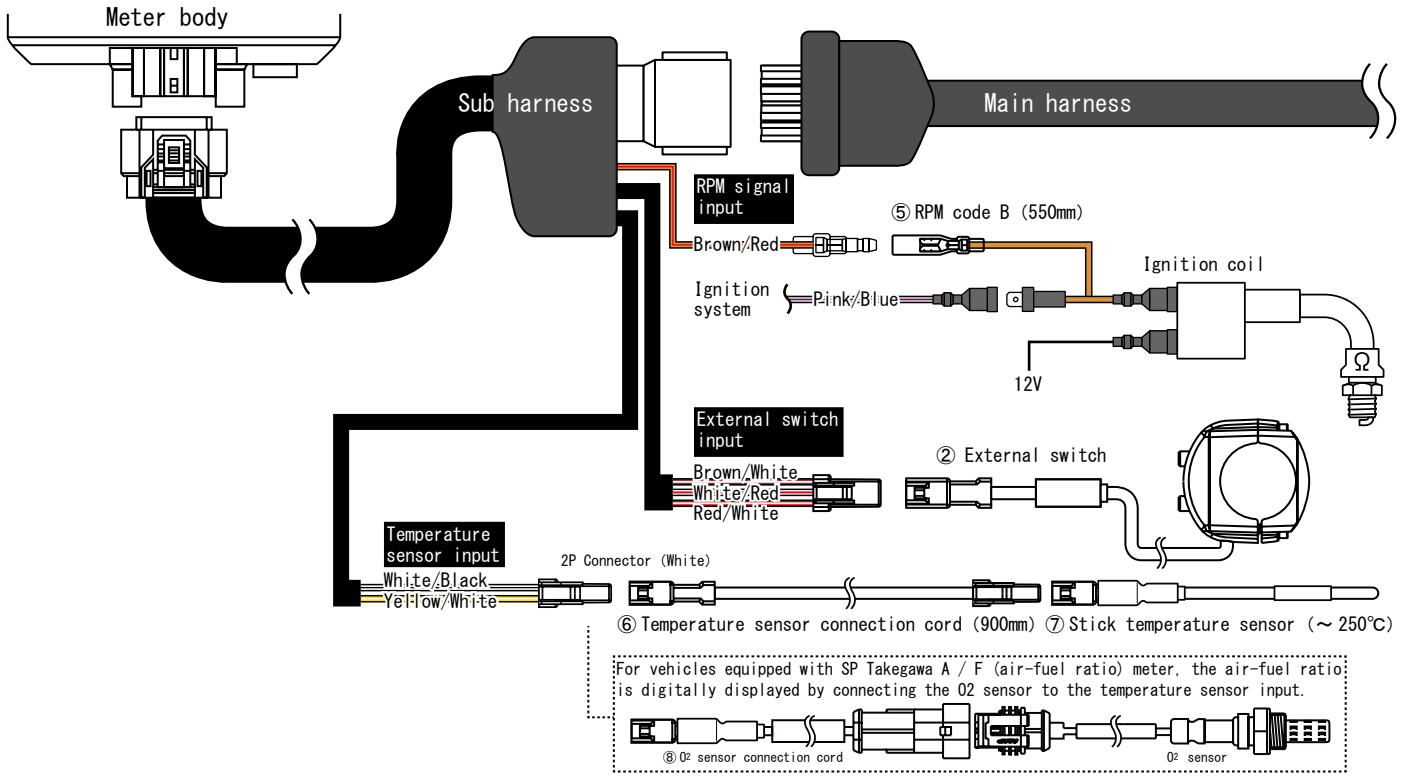


To operate the meter external switch.
To display the manual, please check how to press the button below.



Adjust button "Press (short press once)"	Adjust button "Press 3 seconds (hold long press)"	Select button "Press (short press once)"	Select button "Press 3 seconds (hold long press)"	Press "Adjust button" and "Select button" at the same time "Press (short press once)"	Press "Adjust button" and "Select button" at the same time "Press 3 seconds (hold long press)"

Wiring diagrams



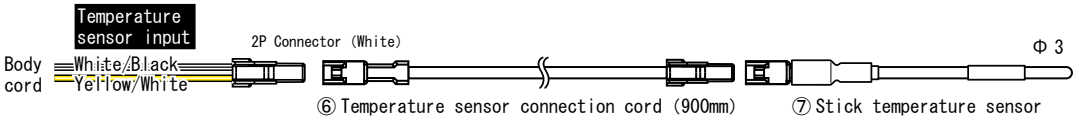
About temperature sensor input

Connect Temperature sensor cord and extension

- Thermometer measuring range: 0～250℃
- To measure oil temperature, sensor adapter (optional) are required.
- Please see optional parts in our catalog.
- The temperature sensor can be used as an outer air temperature meter by fixing the sensor to an appropriate position.

Please fix the wiring to the frame and body harness using wiring tape and zip-tie so that it will not break due to interference caused by steering operation or rubbing due to running vibration and contact with hot engine parts.

When the sensor is not connected (disconnected), the value will show as[－－－. －℃]

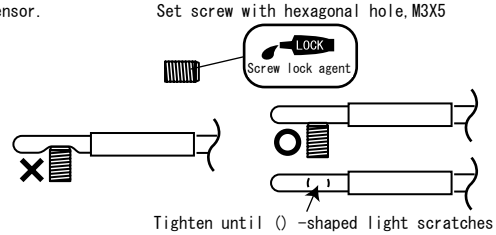


The optional drain bolt and set screw included with the adapter are used to secure the stick temperature sensor.
Apply a small amount of screw locking agent to the set screw to prevent it from falling off.

If it breaks, it will be act same as a broken or shorted cord.
Display at disconnection : [－－－. －℃]
Display at short circuit : [250.0℃]

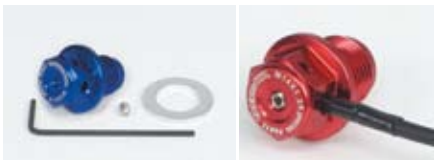
Note: If the sensor part is deformed greatly by tightening the set screw too much, the internal electronic components may be damaged.

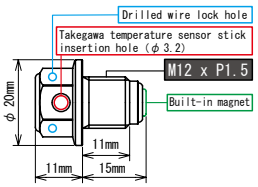
Set screw with hexagonal hole, M3X5



Thermometer optional parts

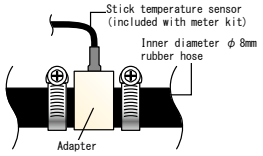
■ Drain bolt with magnet (M12xP1.5)
for Monkey125





A strong magnetic drain bolt will picks iron powder in the engine oil.
As a result, iron powder in the oil is reduced and the engine oil's inherent stable lubrication performance can be demonstrated. In addition, Takegawa aluminum drain bolts have a safety wire lock hole and a stick temperature sensor insertion hole.
The temperature at the drain bolt can be measured by attaching the stick temperature sensor to the drain bolt and connecting it to our Super Multi DN meter.
The drain bolt body is made from billet aluminum and colored anodized.
Color:Silver, Black, Blue, Red.
- The magnet is firmly fixed with "swage"
- Can be interchangeable with various genuine drain bolts.

■ Oil thermometer adapter
Monkey125 fitted with Takegawa oil cooler kit (rubber hose)



Adapter with stick temperature sensor insertion hole for rubber hose (inner diameter φ 8mm) oil cooler kit.
Place this adapter between the rubber hose connecting the oil outlet and the oil cooler, the temperature at the oil line (adapter part) can be measured.
Since the temperature sensor is not in contact with oil directly, its temperature at the adapter part, but you can see it as a reference of oil temperature.
By connecting the stick temperature sensor attached to this product, you can check the temperature on the LCD screen in the meter.

Product content	Product number
Drain bolt with magnet : M12 P1.5	Silver 02-09-0022 Blue 02-09-0024 Black 02-09-0023 Red 02-09-0025
M12 Sealing washer	00-00-0140
Inner diameter φ 8mm Oil cooler hose adapter	07-04-0521

■ Mounting procedure ※Please refer to the Genuine Service Manual for detailed mounting methods and specified torques that are not specifically described.

⚠ Note
To record the mileage, make a note of the mileage before replace the genuine meter.

You can also see the manual P2 for how to install the meter body and meter bracekt.

■ Remove genuine speedometer

Remove the left and right bolts at the bottom of the headlight unit.

Remove the headlight unit from the bottom and remove the top nail.

Disconnect the headlight unit.

Remove the two bolts from the headlight bracket that hold the headlight case in place.

Remove one bolt in the headlight case.

Move the headlight case and remove the stock meter cover mounting bolts, cover and coupler.

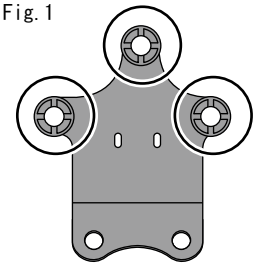
⚠ Note When moving the headlight case, be careful not to apply excessive force to the harness.

Remove the two stock meter mounting bolts and remove the stock meter.

■ Fixing the meter body and meter bracket.

Check that the ⑨meter bracket is securely attached to the groove in the center of the ⑩cushion rubber. (Fig.1)

Fig.1



After attaching the cushion rubber to the bracket, insert the boss of the ⑨meter body into each ⑩cushion rubber.
Attach the ⑫M4(large diameter washer) to the boss of the meter body and fix it with the ⑪tapping screw. Please see (Fig.2)

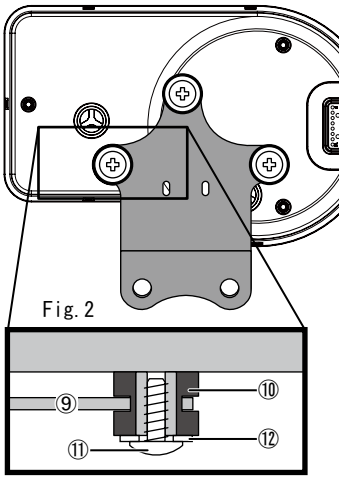
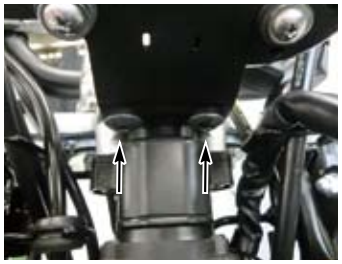


Fig.2

⚠ Note
Do not over-tighten the tapping screw.

Attach the meter bracket with two genuine bolts.

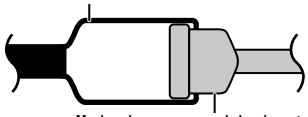


⚠ Note : Be sure that you protect specified torque.
Genuine bolt
Torque : 10N・m (1.0kgf・m)

■ Connect to the subcode.

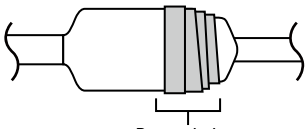
Connect the ⑤RPM code B, ②external switch, ⑦stick temperature sensor by referring to page 3 of the instruction manual.
Route the harness that ⑤RPM code B does not interfere with the ignition coil body. The tachometer may become unstable.
Plug in the main harness and meter harness connectors.
Insert the boots of the main harness into the boots on the meter harness side as shown in the photo.

Meter side boots



Main harness side boots

⚠ Caution
Wrap the wiring tape so as to cover the joint of the boots to protect from water.

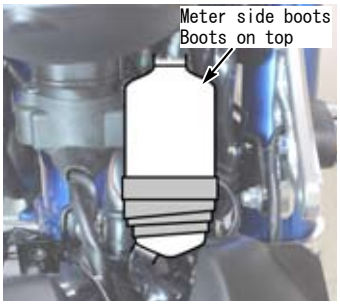


Boot joint

Waterproofing by wrapping wiring tape

※Caution: wrong direction of the taping and the boot cover, water may enter the boot cover and damage the meter.

Arrange the main harness and meter harness so that the boots on the meter side are on top, see the image below.Be sure to route the wiring of the temperature sensor, switch, and pulse wire downward.

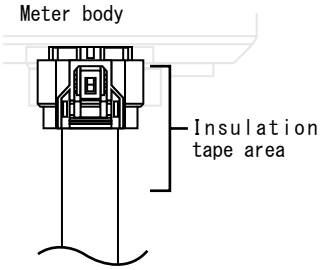


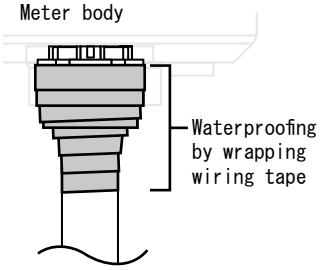
Attach the headlight case and headlight unit in reverse order.

⚠ Note
Be careful not to pinch the meter harness in the headlight case.
It may cause disconnection or poor contact.

■ Connection to the meter body

Refer to the photos and illustrations below, connect the ①meter body and the ④sub harness, and covered by insulating.





⚠ Caution
If not covered by tape, water may get inside the wire and may cause the meter to malfunction.

Attach the headlight case and headlight unit in reverse order.

⚠ Note
Be careful not to pinch the meter harness in the headlight case.
It may cause disconnection or poor contact.

■ Place external switch

Wrap the rubber strip around the handle pipe around the external switch connected to the meter harness.
※Note
The external switch is waterproof, but do not expose it to water directly with a high pressure washer,etc.

Function for Monkey125 only

When setting the specific vehicle function, please refer to the "Super Multi TFT meter main manual".
"Super Multi TFT meter main manual" includes all switching functions,setting screen basic operations (such as how to change and input numerical values).
The following vehicle-specific function settings, only describe the numerical values and settings to be entered.

The following numbers are the function setting item numbers in the meter body.

■ Please refer to the "Super Multi TFT meter main manual" for function setting number ① ～ ⑪ ⑯ ～ ⑱.
(Description of function setting method)

① "Date & Clock" (Date/clock setting) ② "Unit" (Speed and temperature setting) ③ "Backlight" (Backlight setting)
④ Overspeed" (Speed warning setting) ⑤ "Shift Light" (RPM warning setting) ⑥ "Temp Warning" (Temperature warning setting)
⑦ "Volt Warning" (Voltage warning setting) ⑧ "Low Fuel Warning" (Fuel warning setting) ⑨ "Oil Change(Trip O)" (Set oil change timing warning.)
⑩ "ABS Warning" (ABS warning setting) ⑪ "Warning Light" (Warning light setting)
⑯ "A/F Ratio" (A/F meter setting) ⑰ "Power Teat" (Power test setting) ⑱ "ODO" (Distance setting)

※ The input number for Monkey 125 vary depending on the model. Please check the model and enter.

12 For Monkey125 ⑫ Speedometer (Speed display setting)

■ Tire Circumference and Sensor Point settings
Measure the outer tire dimension (circumference).Measure with reference "How to measure tire outer circumference" in the illustration below.After the measurement, apply the number to the following formula to calculate.
This gives the value of the Tire Circumference.Then, enter the Sensor Point of the genuine speed sensor and complete the setting.

■ How to set the stock(genuine) speed sensor.
For a vehicle that reads the number of teeth of the drive gear of the Monkey125 transmission to display the speed.

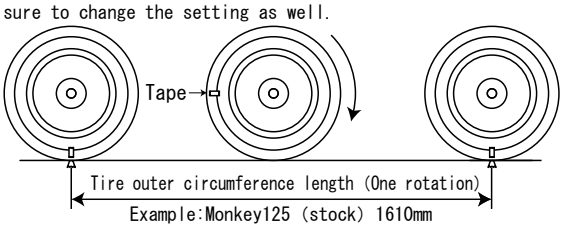
Calculate by applying the number to the following formula, and obtain the number for input to the meter.
The required number are tooth of drive and driven sprocket gear and "tire circumference".

■ Let the drive sprocket (tooth) as "A" and the driven sprocket(tooth) as "B".
Example: Monkey125 (JB02)(stock) Drive sprocket (A): 15T, Driven sprocket (B): 34T

How to measure the tire outer circumference: Set the mark at the near air valve, and measure the distance that the tire has rotated once, using that as the starting point. ※When you change the tire size, be sure to change the setting as well.

■ Let the tire circumference as "C"

C
Tire outer circumference(mm)
Example:1610mm



The value can be calculated from the following formula.The number(bold) "Speed signal length(Tire Circumference)", which is the number to be input to the meter.

A Drive sprocket ÷ B Driven sprocket × C Tire outer circumference(mm) = Tire Circumference (mm) Speed signal Length

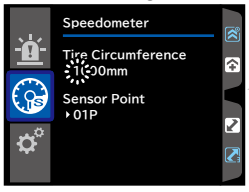
Example (JB02)15T / (JB03)(JB05)14T ÷ Example (JB02)34T / (JB03)(JB05)37T × Example (JB02)1610mm / (JB03)(JB05)1610mm = Example (JB02) ≒ 710mm / (JB03)(JB05) ≒ 609mm

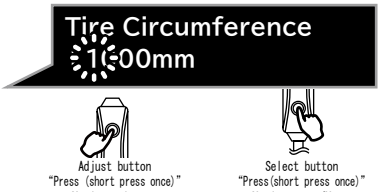
■ Number of signals of stock speed sensor. (Sensor Point)
(Example) Vehicles that use the C2 gear (2nd gear on counter shaft) of the Monkey125 transmission to display the speed.In this case, enter the number of teeth on the C2 gear (2nd gear on counter shaft) of stock transmission (read by the genuine speed sensor.)The number in the bold frame is the value of "number of signals" and is the value to be input to the meter.

Sensor Point P
Number of points to pick up the signal
Example (JB02)31 / (JB03)(JB05)27

At the main screen, press and hold the "adjust button" and "select button" at the same time for 3 seconds(to go to the setting screen).The SETUP screen is displayed(before the setting screen).
On the setting screen, press the "select button(short press once)" to scroll down and set it to " Speedometer".
While "Speedometer" is displayed and press the "select button" for 3 seconds to enter the function setting screen.

Function setting screen





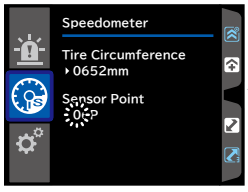
When you enter the function setting screen, then you go to the "Tire Circumference" and the number(1k level) will blink.
Enter the value of "speed signal length" (from calculate by formula).
To change the blinking number, press the "adjust button (short press once)".To set,press "select button (short press once)".
After confirm it, press "select button (short press once)" the set and move to the next level.
After input all numbers, press "select button " to complete the setting, and move to "Sensor Point" (input number of signals).
※ Input is not completed/confirmed yet.

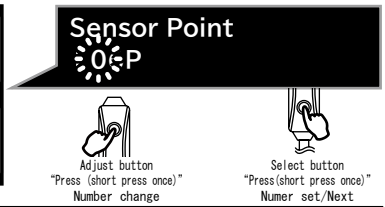
Stock Monkey125 (JB02)(JB03)
(stock tire size) Speed signal length :(JB02)710mm (JB03)(JB05)609mm

If your tire is not stock size, measure the "outer circumference" and calculate from the formula and enter the number.

Monkey125 (JB02)
Equipped SP Takegawa speed sensor kit and 5-speed close mission kit

Calculate method by "stock" drive/driven sprockets,circumference of the "stock" tire,enter to the meter.
Note: even if the sprocket has been changed.
SP Takekawa speed sensor will be setting by display unit when sprocket or cross(close) mission is installed.





When you enter the "Sensor Point" (signal count input screen), the tens digit blinks.Enter the number of" drive gear teeth" here, the "Sensor Point" (read by the stock speed sensor) To change the blinking tens digit, press the "adjust button (short press once) ".
To set the number, press the "select button (short press once)".
Once set, the next digit will switch and blink.
After the 1st level is set , Press "select button (short press once)",then setting is completed and back to the setting screen.
※ Input is not compete/confirmed yet.
Press the "adjust button" for 3 seconds" on the setting screen to return to the main screen.This compete/confirms the settings.

If the vehicle is a stock transmission, enter the number of "teeth of the stock drive gear" read by the stock speed sensor.
Monkey125 Stock Transmission(4 speed) Input number : 31P (JB02)
Monkey125 Stock Transmission(5 speed) Input number : 27P (JB03)(JB05)
※ Precautions regarding setting confirmation
After entering the number and selecting the function, be sure to press and hold the "adjust button" for 3 seconds on the setting screen to return to the main screen.This is "complete/setting confirmation" and the setting is stored in the meter.
Caution:If you do not perform this operation and turn off the key, the new settings will not be stored and will be back to previous settings.

⑬ Gear (Gear Setting)

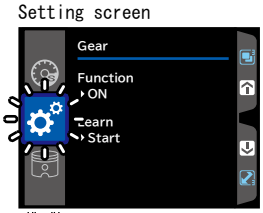
From the main screen, press and hold the "adjust button" and "select button" at the same time for 3 seconds to switch to the setting screen. The SETUP screen is displayed before the setting screen. Press the "select button(short press once)" to scroll down on the setting screen to chose "Gear".
While "Gear" is displayed, and press the "select button" for 3 seconds to enter the function setting screen "Gear" (gear setting).

※Note: setting the gear position
To set the gear position, both the speed signal and the engine speed signal must be input to the Super Multi DN meter.
Therefore, it is require to learn gear display by chassis dynamo, free roller or actual driving.
We recommend learning gear display by chassis dynamo or free rollers for safety reasons.
Do not learn gear display on driving in the city because there are many traffic lights and traffic in the city.
When performing in actual driving, select a safe place with good visibility and check the surroundings.

Main screen

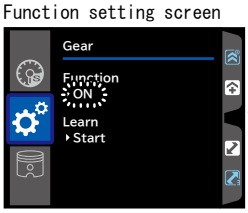
Press "Adjust button" and "Select button" at the same time "Press 3 seconds (hold long press)" SETUP screen → Setting screen

Setting screen



Select button "Press 3 seconds (hold long press)"

Function setting screen



Adjust button "Press (short press once)" Setting change

Select button "Press(short press once)" Set/Next

Select button "Press(short press once)" Choose "Gear" from Setting screen

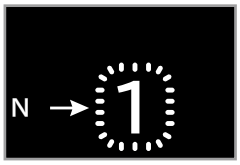
To return to the setting screen. Select" OFF" and press "adjust button "for 3 seconds".

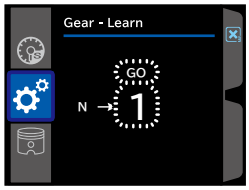
When you enter the function setting screen to "Function" then ON or OFF blinks. Select the gear display here. Press "adjust button(short press once)" to change the blinking settings.To confirm to set, press "select button(short press once)".When set to ON and confirm press "select button" (short press once) move to the next item Learn.(gear learning mode).

Setting items ON (display) OFF (hidden)

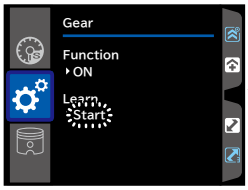
Setting items ON Select button "Press(short press once)" Next

※Caution: Set the gear to neutral before gear learning mode.
※The meter will tell you when you need to shift in the gear.
Maintain the rev at specified speed until the system tells you to shift the gear.(while system learning).





Adjust button "Press (short press once)" learning start



Adjust button "Press (short press once)" Gear learning mode

When entering the gear learning mode "Learn" and start flashing.
Press "adjust button" to move to learning start.
Display and blink the "Go" and the gear position "1".This is the standby mode for learning the gear display by "actual driving".
By shift it in 1st gear and starting running, and upload starts.
Please be sure to check the following notes.

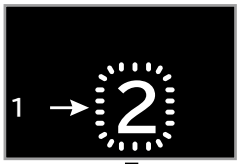
Caution: At gear learning mode (by actual driving)
■ Cannot be learned if the wheel does not rotate.
■ Cannot be learned if the engine speed is increased without the clutch engaged.
■ Keep the rev speed 3000 rpm or more for each gear.
Set by shifting gear and maintaining the specified rev speed.
Once set, system tell you to shift the next gear,(do not shifting the gear until tell to do so)
■ Cannot be set while half-clutch action (except at the start)
■ For 4 speed model, after shifting to 4th gear, wait until the meter blinks 5 times (tell to shift 5th gear) then turn off the throttle.
This the system recognizes that there is no 5th gear.
※When gear position learning completed, displayed as "Done"
■ If you slow down or fall below the specified rev speed before shifting to the top gear, you must start over from the beginning(from 1st gear).

The gear learning mode starts running from 1st gear with blinking "Go" (stand by).Only shift gear, when the system tell you to shift up (never change shift until system tell you to do so).After shifting to last gear then when the meter blinks, turn off the throttle.When turning off the throttle,the system recognizes that there is no more gear and displays "DONE".
This completes the gear learning mode and returns to the setting screen.
Example: 4-speed model
Go (start riding at 1st gear) → 2 (blinking) Shift to 2nd gear →
3 (blinking) Shift to 3rd gear → 4 (blinking) Shift to 4th gear →
5 (blinking) Now turn off the throttle and complete the gear learning mode

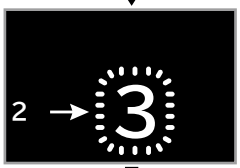
If the following error detection screen is displayed,please redo Gear-Learn.

By start riding in 1st gear, the gear display will start to learning gear position.
※Maintain the specified rev speed until the next gear shift request.

When the warning "Fail" is displayed on the screen, it means error detection.
Please redo Gear-Learn

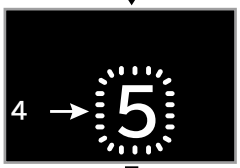


When "2" blinks, shift it to 2nd gear.
Start learning in 2nd gear.
※Maintain the specified rev speed until the next gear shift request.



When "3" blinks, shift it to 3nd gear.
Start learning in 3nd gear.
※Maintain the specified rev speed until the next gear shift request.

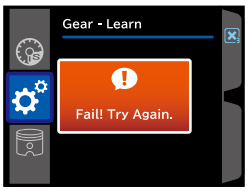
When "4" blinks, shift it to 4th gear.
Start learning in 4th gear
※Maintain the specified rev speed until the next gear shift request.
This is the end for 4-speed model,but please keep and run with the specified rev speed.

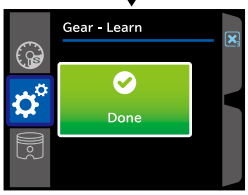


"5" blinks
For 4-speed model, throttle off now.
※The system recognizes that there is no 5th gear.

5-speed transmission, the accelerator will be turned off after "6"

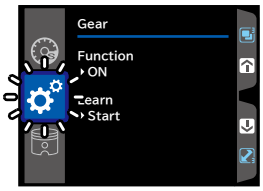
Error detection screen display





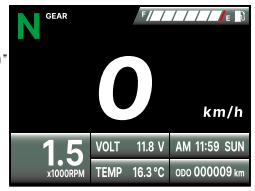
"Done" on the screen.
Gear learning mode is completed and return to the setting screen.

Setting screen



Adjust button "Press 3 seconds (hold long press)"

Main screen

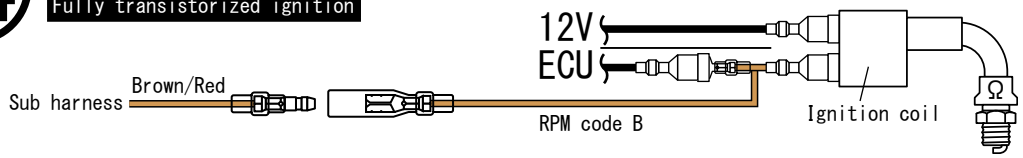


SPECIAL PARTS TAKEGAWA

For Monkey125 ⑭ RPM (tachometer input setting)

For Monkey125, [B connection] become "Fully transistorized ignition". Connect the RPM code B(included) as the connection method below.

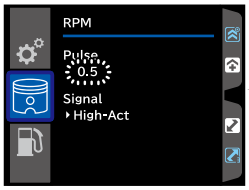
Fully transistorized ignition

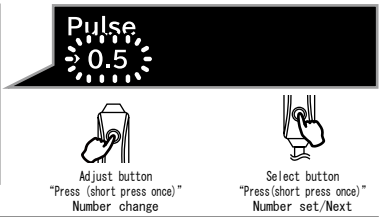


After connecting the RPM code B, set the RPM signal count and RPM signal type in the "RPM (tachometer input setting)" below.

At the main screen, press and hold the "adjust button" and "select button" at the same time for 3 seconds to switch to the setting screen. The "SETUP" is displayed before the setting screen. Press "select button(short press once)" to scroll down on the setting screen to set it to "RPM". When "RPM" is displayed in the title, press "select button" for 3 seconds" to enter the function setting screen "RPM" (tachometer input setting).

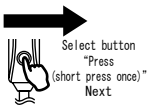
Function setting screen

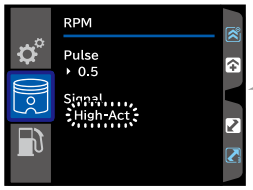




After connecting the RPM wire and check the number of signals, and then enter that number to the tachometer input setting. (refer to the "RPM signal input") Chose "Pulse" at the function setting screen, then the number will blink. Now enter the number of RPM signals.
To change the blinking number, press "adjust button(short press once)". The set will be made by pressing "select button" (short press once).
Enter("select button"(short press once)) to move to the next item"Signal".

RPM signals for Monkey125: P0.5





When you enter the "function setting" screen, then chose "Signal" and "Hi-Act" or "Lo-Act" will blink. Now select the RPM signal type.
To change the blinking settings, press "adjust button(short press once)".
The set will be made by the press "select button(short press once)"
Press "select button(short press once)" to return to the setting screen.
※ Input is not complete/confirmed at this point.

Monkey125 RPM signal type: Hi-Act

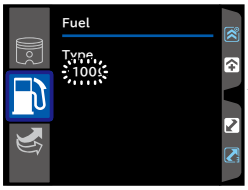
※ Precautions regarding setting confirmation
After input the number or selecting a function, be sure to press and hold the "adjust button" for 3 seconds to return to the main screen.
This action makes "setting complete/confirmation" and the setting is stored in the system.

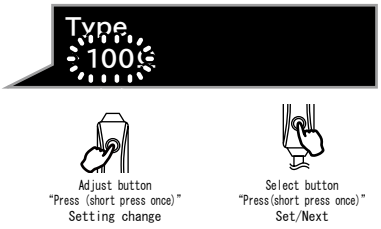
※ If you do not perform this action and turn off the key, the new settings will not be stored and will be back to previous settings.

For Monkey125 ⑮ Fuel (Fuel setting)

At the main screen, press and hold the "adjust button" and "select button" at the same time for 3 seconds to move to the setting screen. The "SETUP" shows before the setting screen. On the setting screen, use the "select button(short press once)" to scroll down and set it to "Fuel". When "Fuel" is shown in the title, press "select button" for 3 seconds to enter the "Fuel" (fuel setting) function setting screen .

Function setting screen





When you enter the function setting screen, you will move the "Type" and the preset settings (resistance value, etc.) will blink.
Select the resistance value or fuel setting here.
Press the "adjust button(short press once)" to change the blinking settings.
The set will be made by pressing the "select button(short press once)"
After setting the resistance value or "OFF" and confirming.
Press "select button(short press once)" to return to the setting screen.
※ Input is not complete/confirmed at this point.

For Monkey125, select "390 Ω" in the preset resistance value.

⚠ Please check
※ If there is a problem with the fuel display, please check this resistance value again.

※ Precautions regarding setting confirmation
After selecting the resistance value or fuel setting, be sure to press for 3 seconds "adjust button" to return to the main screen.
This is "setting confirmation" and the stored to the system.

※ If you do not perform this action and turn off the key, the new settings will not be stored and will be back to previous settings.

If the meter is malfunctioning, please refer to the troubleshooting section in the meter manual.

◎ You can see this instruction manual on our website as PDF data .
If this document hard to read, please download it from our website.