Gear position indicator

Product No. : 761-1300000	Applicable model : MONKEY125 (2018)
Product No. : 761-1470000EX	Applicable model : CT125 (2020)
Product No. : 761-1301000EX1	Applicable model : MONKEY125 (2021) (2025) [9 pulse]
Product No. : 761-1471000EX1	Applicable model : CT125 (2023) [9 pulse] DAX125 (2023) (2025) [9 pulse]
Product No. : 761-1301000EX2	Applicable model : MONKEY125 (2021) (2025) [34 pulse]
Product No. : 761-1471000EX2	Applicable model : CT125 (2023) [34pulse] DAX125 (2023) (2025) [34 pulse]

Please refer to our website for the latest applicable model information.

⚠ Installation of this product requires removal and installation of the exterior parts. Please follow the instructions in the service manual for the removal and installation of the exterior parts.

- Thank you for purchasing Kitaco products. Please read and understand the precautions before installation.
- Please be sure to check the product contents.
- Please work in conjunction with the service manual issued by Honda.
- Keep the operation manual in a safe place.

ATTENTIONS (MUST READ)

⚠
- When using this product on public roads, please obey all road traffic laws and drive safely.
- Use of this product may violate the warranty regulations of the car manufacturer.
- Do not use this product in vehicles other than those listed as compatible.
- This product is not completely waterproof. There is a possibility of flooding if the product is exposed to water intensively with a high-pressure cleaner or the like.
- This product is powered by a DC12V battery. Since stable operation may not be possible due to battery deterioration or low voltage, check the condition of the battery accordingly and replace it if necessary.
- This product may not operate stably due to noise or voltage drop if special components such as HID or acoustic electrical components are installed at the same time.
- Do not disassemble or modify this product. Disassembling or modifying the product will void the warranty.
- Accidents or damage to parts due to improper assembly or setting are not covered by the warranty.
- Please note that we are not responsible for any incidental or indirect damages or lost profits resulting from the use of this product.
- Assemble the product correctly according to the instructions. Do not make any modifications other than those described in this manual, as it may cause damage or malfunction.
- If you do not understand the roles of peripheral parts, etc., be sure to consult your specialist dealer or our company.

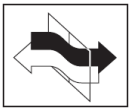
⚠
- This product is a precision instrument. If the product is installed in a location subject to a lot of vibration, it may not only fail to perform as intended, but in the worst case scenario, it may be damaged. When installing this product, take anti-vibration measures as much as possible and install it in such a way that vibration is not transmitted.
- This product is designed to work with the factory sensor. Please note that the product may not operate properly when used in combination with other companies' products.
- Do not place the wiring near IG coils, high tension cords, etc. Please be aware that placing them in close proximity may cause malfunctions.
- Harnesses may get caught between covers or other parts during installation, which may cause disconnection.
- The contents of this manual (illustrations and photos) may differ from those in the manual due to specification changes or other reasons.
- Product specifications and prices are subject to change without notice. Please be aware of this in advance.
- Anodized aluminum products will fade over time. Please be aware of this in advance.

⚠ The instruction manual is intended for persons with specialized knowledge. Do not perform work if you do not have the skills or knowledge, or if you do not understand the contents of the manual.

Do not touch rotating parts. Do not turn the wheels or other parts. Related parts may move, resulting in unexpected accidents.

Always disconnect the negative battery terminal before performing any work. Insulate any unused wiring.

Do not carelessly touch the cylinders, crankcase, muffler, etc. while the engine is running or after operation, as they are hot.



Use adequate ventilation. Gasoline is highly volatile and harmful to the body. Start the engine in a well ventilated area.

Since highly flammable gasoline is used during the work, cigarettes and other open flames are strictly prohibited.

Kitaco assumes no responsibility for accuracy, completeness or sufficiency of the information contained in this document.

Product Overview

This product combines a gear position indicator, an 8-LED bar graph tachometer, and a shift-up indicator, designed to integrate seamlessly with the factory speedometer.
It enhances the vehicle's functionality without altering the original design.
By providing the rider with clear visual feedback on the current gear position and engine RPM, it improves both the accuracy and safety of driving operations.

Providing real-time information	The current gear position and engine rpm can be instantly ascertained, allowing for appropriate shift changes.
Improved visibility	High-intensity LEDs are used to provide excellent visibility day and night.
Improved safety and performance	Maintaining proper gear position and rpm reduces the load on the engine and optimizes vehicle performance.

Gear position indicator

The current gear position is displayed digitally, allowing the rider to intuitively determine the gear. The display can show gears 1 through 4 (or 5, depending on the model) and responds instantly when shifting gears.

LED bar graph tachometer

Eight high-intensity LEDs display engine RPM in a bar graph format. Each LED represents a specific range of RPM, lighting up sequentially as the RPM increases. The bright illumination of the LEDs provides excellent visibility, allowing the rider to quickly and easily monitor the engine status.

Shift-up indicator

When the engine speed reaches the optimal point for shifting, the 7-segment display flashes, prompting the rider to shift up. The shift-up indicator is highly visible, helping the rider shift efficiently while staying focused on the road. This feature prevents over-revving, prolongs engine life, and contributes to better fuel efficiency.
(Flashes every 0.2 sec at 500 rpm before setting RPM / Flashes every 0.1 sec when reaches setting RPM)

Integration with stock meter

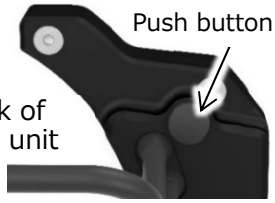
This product is designed to seamlessly integrate with the factory speedometer. Special attention has been given to the mounting position, size, and design, ensuring it appears like a factory option without causing any discomfort. After installation, the visibility and usability of the speedometer are preserved, and none of the existing functions are compromised.

Contact-type gear position sensor is used.

※Some car models use original parts.

Contact-type gear position sensors respond instantly when switching gears, as the contacts activate or deactivate the moment the gear physically moves. This allows the current gear position to be displayed without any delay. Unlike methods that rely on rotational speed calculations, these sensors offer accurate and fast gear position detection.

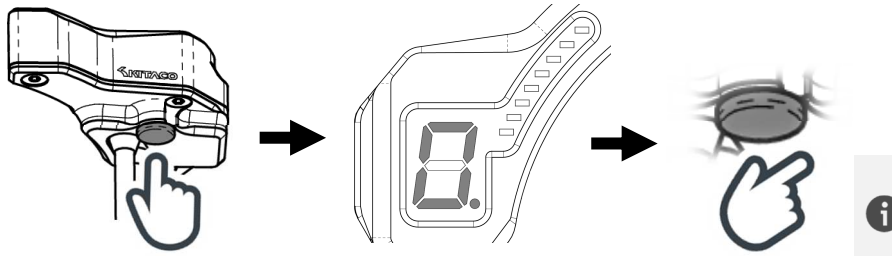
Setting item



1. LED brightness setting
   Set the LED brightness in 5 steps.
2. Pickup pulse setting
   Set the number of pickup pulses according to the vehicle.
3. LED bar graph tachometer RPM setting
   Select the lighting pattern for the 8 LEDs according to the number of rotations.
4. LED bar graph tachometer over-rev blinking setting
   Set the LED to blink when RPM outside the display range is reached.
5. Shift-up indicator flashing setting
   Set the 7-segment display to blink at a set RPM.
   Can be set off, on, or per gear.
6. Shift-up indicator RPM setting
   Set the number of revolutions to blink.
   If you set it for each gear in the previous section, it will be the setting for each gear.
7. Demo settings at startup
   Selects the demo operation after power-on.
8. Voltage display setting at startup
   Set to display voltage at startup.
9. LED bar function setting
   Select the function of the LED bar.

How to enter setting mode

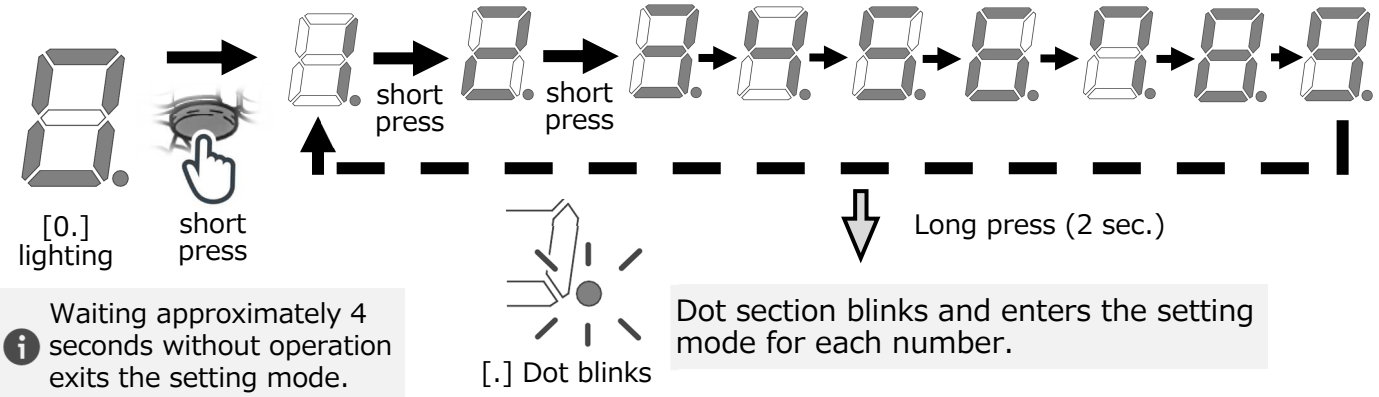
- After turning on the power, press and hold the push button on the back of the unit.



Waiting approximately 4 seconds without operation exits the setting mode.

Select Settings

- It is forwarded by a short press of the push button when [0.] is displayed. (1~9)
- Press and hold the push button at the item you want to set to enter the setting mode for each item.

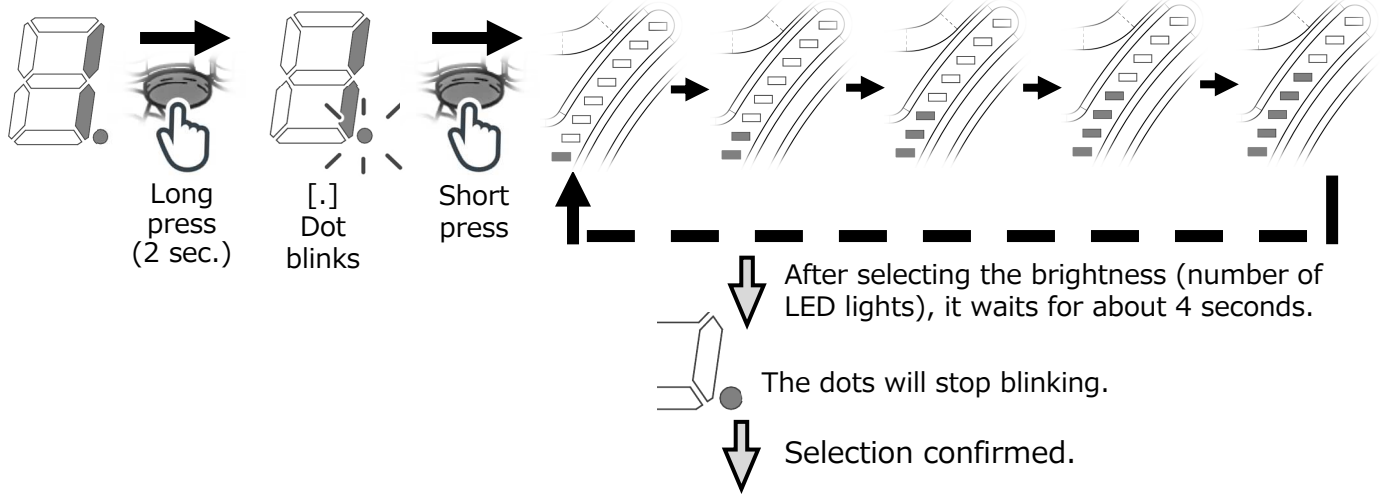


Waiting approximately 4 seconds without operation exits the setting mode.

Dot section blinks and enters the setting mode for each number.

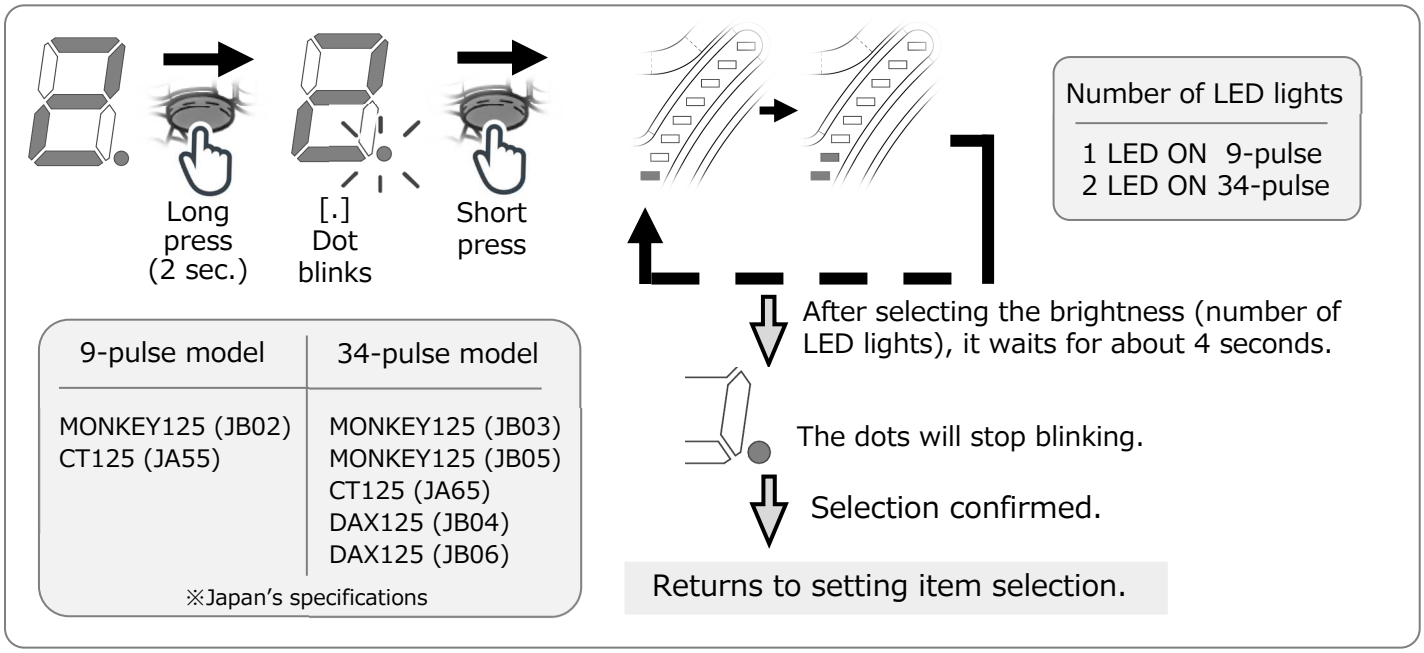
1. LED brightness setting

- Press and hold the push button when [1.] is lit in the setting item selection.
  [.] dot will start blinking.
- The number of lights on the LED bar graph indicates the setting value.
  1 to 5 steps (dark to light) Default: 1
- After selecting the brightness (number of LED lights), wait about 4 seconds, then the dots will stop blinking to confirm the selection.



2. Pickup pulse setting

- Press and hold the push button when [2.] is lit in the setting item selection.
  [.] dot will start blinking.
- The number of lights on the LED bar graph indicates the setting value.
  1 LED ON (9-pulse model), 2 LED ON (34-pulse model) Default:1
- After selecting the brightness (number of LED lights), wait about 4 seconds, then the dots will stop blinking to confirm the selection.

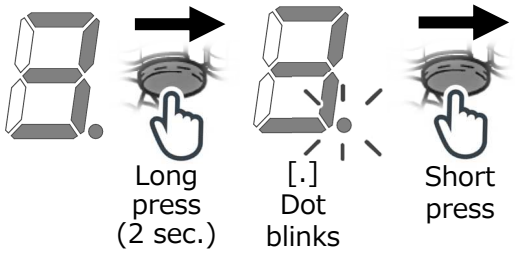


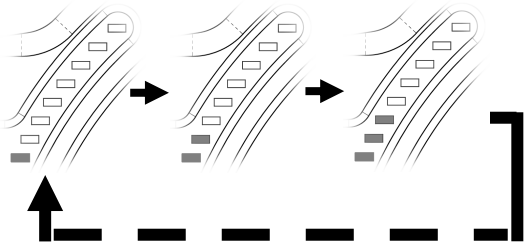
9-pulse model	34-pulse model
MONKEY125 (JB02) CT125 (JA55)	MONKEY125 (JB03) MONKEY125 (JB05) CT125 (JA65) DAX125 (JB04) DAX125 (JB06)

※Japan's specifications

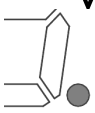
3. LED bar graph tachometer RPM setting

- Press and hold the push button when [3.] is lit in the setting item selection.
  [.] dot will start blinking.
- The number of lights on the LED bar graph indicates the setting value.
  1 LED ON (start 1,000rpm/1,000rpm step) Default setting
  2 LED ON (start 3,000rpm/1,000rpm step)
  3 LED ON (start 2,500rpm/500rpm step)
- After selecting the brightness (number of LED lights), wait about 4 seconds, then the dots will stop blinking to confirm the selection.





After selecting the brightness (number of LED lights), it waits for about 4 seconds.



The dots will stop blinking.

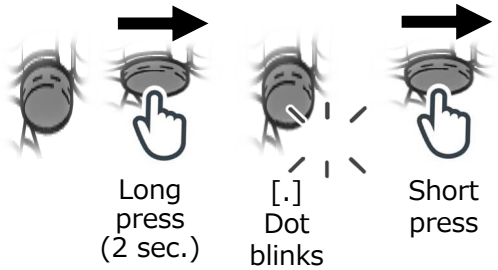
Selection confirmed.

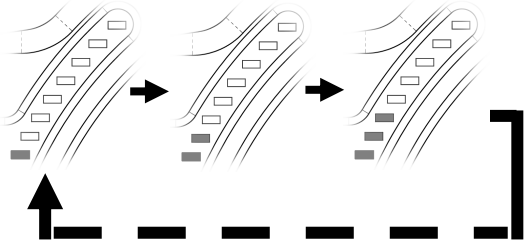
Returns to setting item selection.

Number of LED lights
1 LED ON : Start 1,000rpm /1,000rpm step
2 LED ON : Start 3,000rpm /1,000rpm step
3 LED ON : Start 2,500rpm /500rpm step

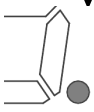
4. LED bar graph tachometer over-rev blinking setting

- Press and hold the push button when [4.] is lit in the setting item selection.
  [.] dot will start blinking.
- The number of lights on the LED bar graph indicates the setting value.
  1 LED ON (no blinking), 2 LED ON (only LED7,8 blinking), 3 LED ON (all LEDs blinking) Default:2
- After selecting the brightness (number of LED lights), wait about 4 seconds, then the dots will stop blinking to confirm the selection.





After selecting the brightness (number of LED lights), it waits for about 4 seconds.



The dots will stop blinking.

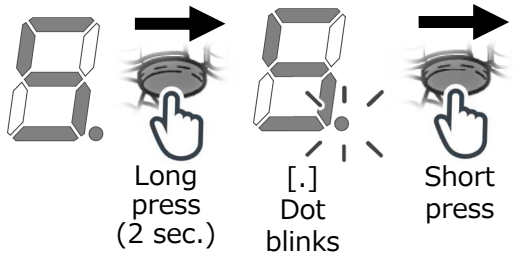
Selection confirmed.

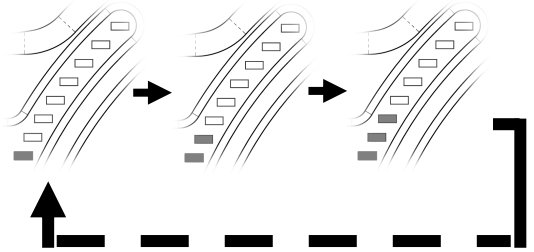
Returns to setting item selection.

Number of LED lights
1 LED ON : No blinking
2 LED ON : Only LED7,8(red) blinking
3 LED ON : All LEDs blinking
When the RPM reaches beyond the display range of the LED bar graph tachometer, the LED blinks as over-rev.

5. Shift-up indicator flashing setting

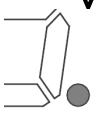
- Press and hold the push button when [5.] is lit in the setting item selection.
  [.] dot will start blinking.
- The number of lights on the LED bar graph indicates the setting value.
  1 LED ON (function OFF), 2 LED ON (function ON), 3 LED ON (function ON+settings per gear)
- After selecting the brightness (number of LED lights), wait about 4 seconds, then the dots will stop blinking to confirm the selection.





Number of LED lights
1 LED ON : function OFF 2 LED ON : function ON (All gears are the same rpm) 3 LED ON : function ON + Settings per
If the gear-by-gear setting is selected, it is possible to set a different rpm for each gear.

After selecting the brightness (number of LED lights), it waits for about 4 seconds.



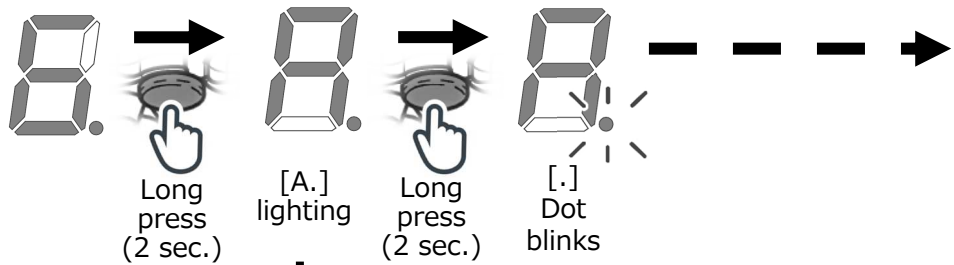
The dots will stop blinking.

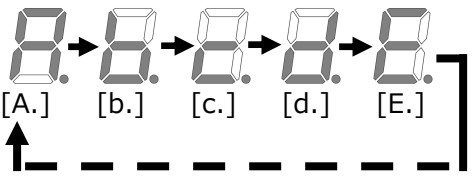
Selection confirmed.

Returns to setting item selection.

6. Shift-up indicator RPM setting

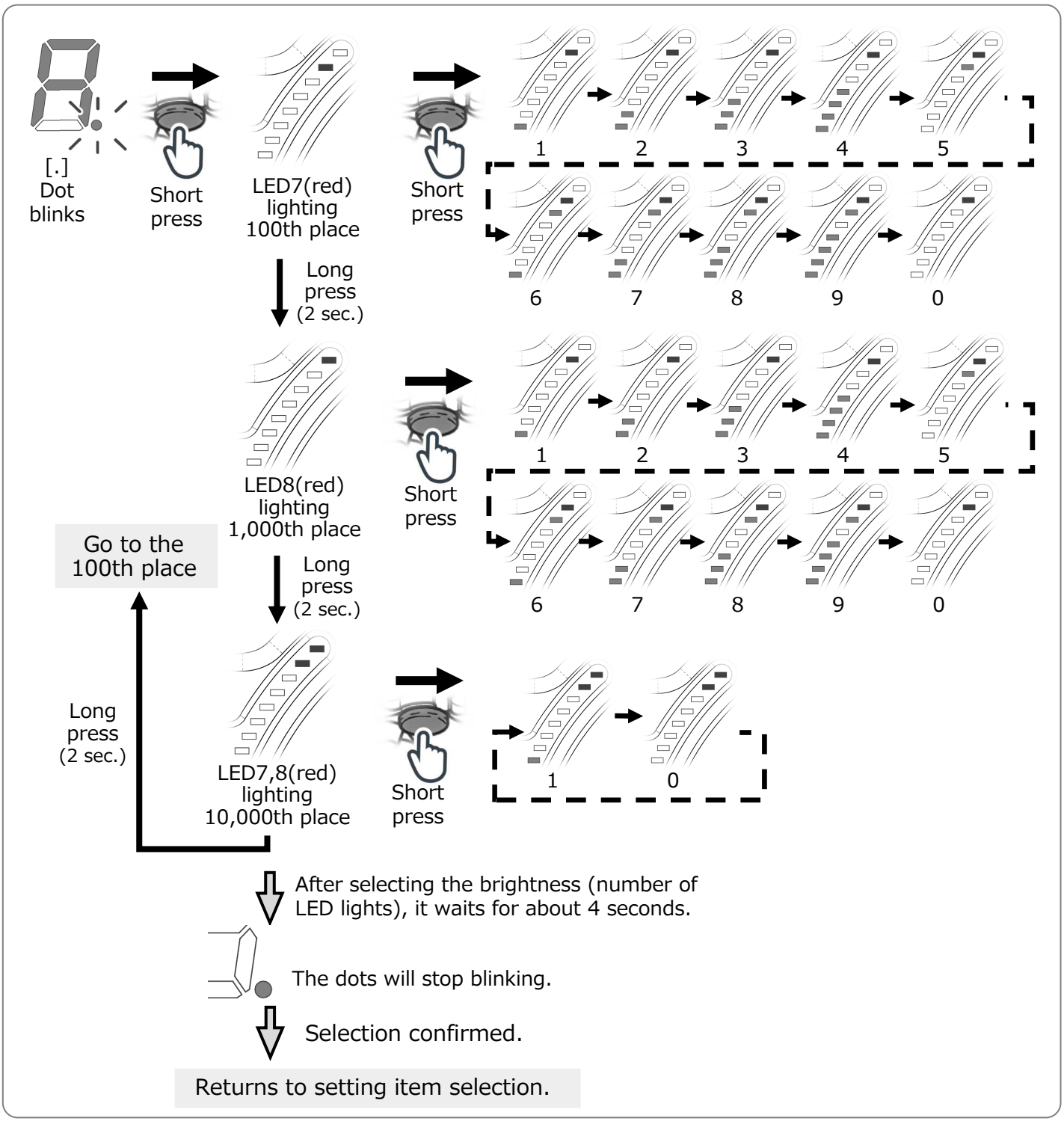
- Press and hold the push button when [6.] is lit in the setting item selection.
  ※If [Off] is selected in the [5.] setting, the [6.] setting will not be displayed.
- Make selections for each gear. Press and hold in the gear you wish to set.
  [A.] in 1st gear (or all gears) [b.] in 2nd gear [c.] in 3rd gear [d.] in 4th gear [E.] in 5th gear.
  [.] dots start blinking.
- The settings are made in the order of 100th, 1,000th, and 10,000th place.
  The number of lights on the LED bar graph indicates the set value (RPM). ※Refer to the figure below.
  Short press to change the value.
  Press and hold to change the place.
- After selecting the brightness (number of LED lights), wait about 4 seconds, then the dots will stop blinking to confirm the selection.





※If [On (All gears are the same rpm)] is selected in the setting of [5.], [b.]-[E.] will not be displayed even if it is pressed briefly.

6. Shift-up indicator RPM setting



- The same procedure is used to set [b.]-[E.].

7. Demo settings at startup

- Press and hold the push button when [7.] is lit in the setting item selection.
  [.] dot will start blinking.
- The number of lights on the LED bar graph indicates the setting value.
  1 LED ON (OFF), 2 LED ON (DEMO 1), 3 LED ON (DEMO 2) Default : 2
- After selecting the brightness (number of LED lights), wait about 4 seconds, then the dots will stop blinking to confirm the selection.

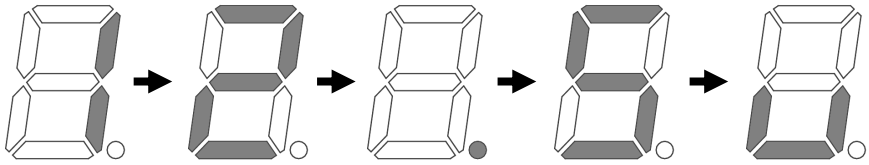
8. Voltage display setting at startup

- Press and hold the push button when [8.] is lit in the setting item selection.
  [.] dot will start blinking.
- The number of lights on the LED bar graph indicates the setting value.
  1 LED ON (function OFF), 2 LED ON (function ON) Default:2
- After selecting the brightness (number of LED lights), wait about 4 seconds, then the dots will stop blinking to confirm the selection.

Display voltage

The voltage value at power-on is displayed after the demonstration.
※Voltage at startup may be displayed lower due to the influence of other devices.

12.5 volt



[1] [2] [.] [5] [v]

They appear in the order shown above.

9. LED bar function setting

- Press and hold the push button when [9.] is lit in the setting item selection.
  [.] dot will start blinking.
- The number of lights on the LED bar graph indicates the setting value.
  1 LED ON (RPM), 2 LED ON (timer) Default:1
- After selecting the brightness (number of LED lights), wait about 4 seconds, then the dots will stop blinking to confirm the selection.

Display RPM

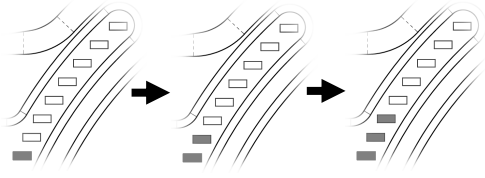
LEDs 1~8 light up at the RPM
selected in setting item [3.]

Display timer

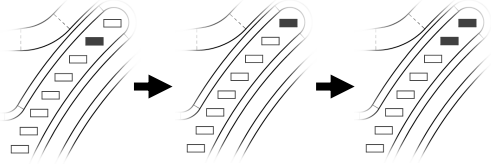
The elapsed time after power-on is indicated by LED bars.

LED1～5(green)	10 minutes per LED
LED7(red) on	1 hour elapsed
LED8(red) on	2 hours elapsed
LED7,8(red) on	3 hours elapsed

Displays elapsed time up to 3 hours and 50 minutes total.
※LED bar graph tachometer does not operate when timer display is set.



10min 20min 30min

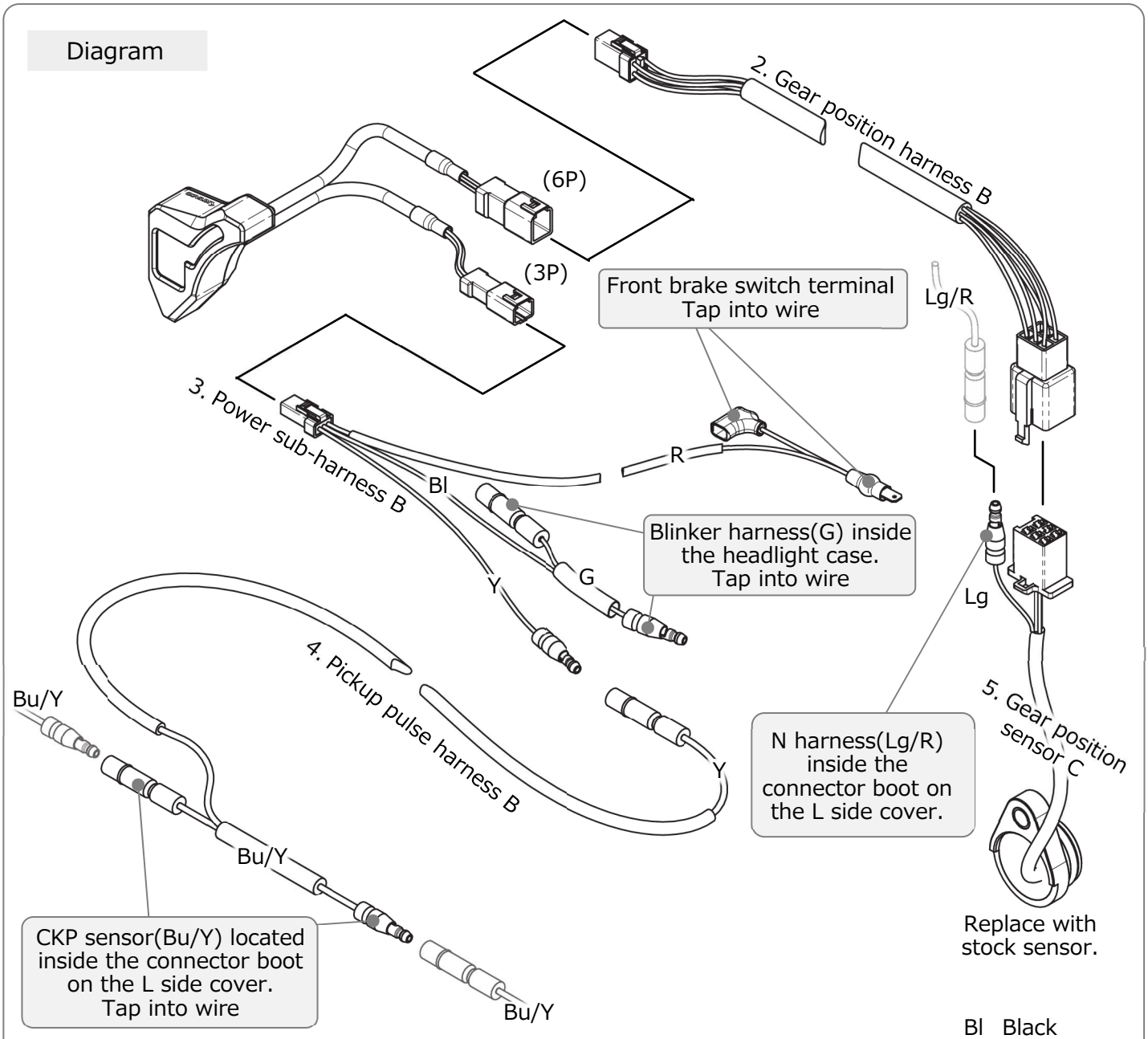


1 hour 2 hours 3 hours

Parts list MONKEY125 (2018)

761-1300000 MONKEY125 (2018)			
1	-	Main unit	x 1
2	761-9010110	Gear position harness B	x 1
3	761-9010210	Power sub-harness B	x 1
4	761-9010310	Pickup pulse harness B	x 1
5	761-9010420	Gear position sensor C	x 1
6	0901-700-01203	Cable ties	x 5

Diagram



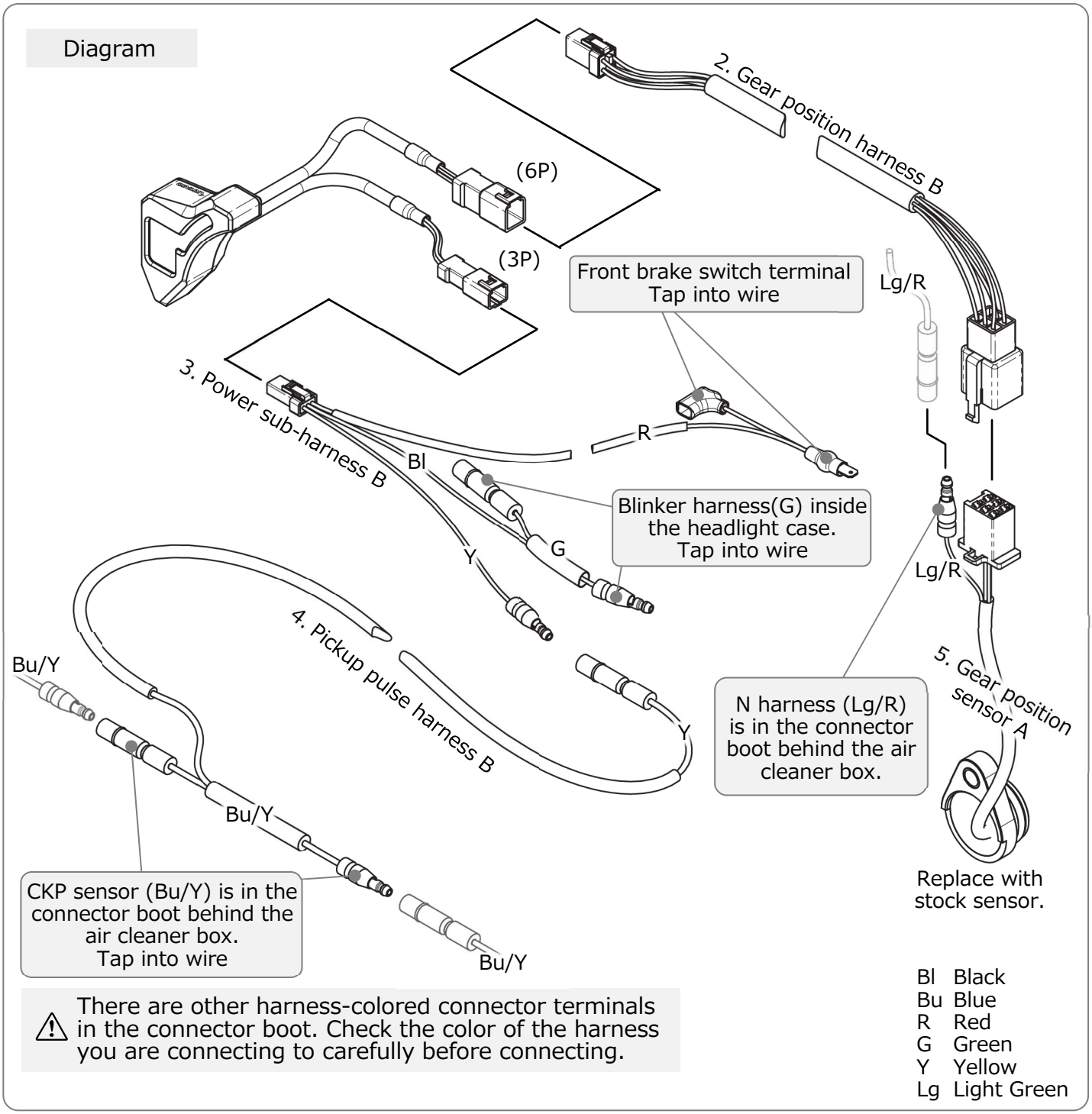
⚠ There are other harness-colored connector terminals in the connector boot. Check the color of the harness you are connecting to carefully before connecting.

Bl Black
Bu Blue
R Red
G Green
Y Yellow
Lg Light Green

Parts List CT125 (2020)

761-1470000EX CT125 (2020)			
1	-	Main unit	x 1
2	761-9010110	Gear position harness B	x 1
3	761-9010210	Power sub-harness B	x 1
4	761-9010310	Pickup pulse harness B	x 1
5	761-9010400	Gear position sensor A	x 1
6	0901-700-01203	Cable ties	x 5

Diagram



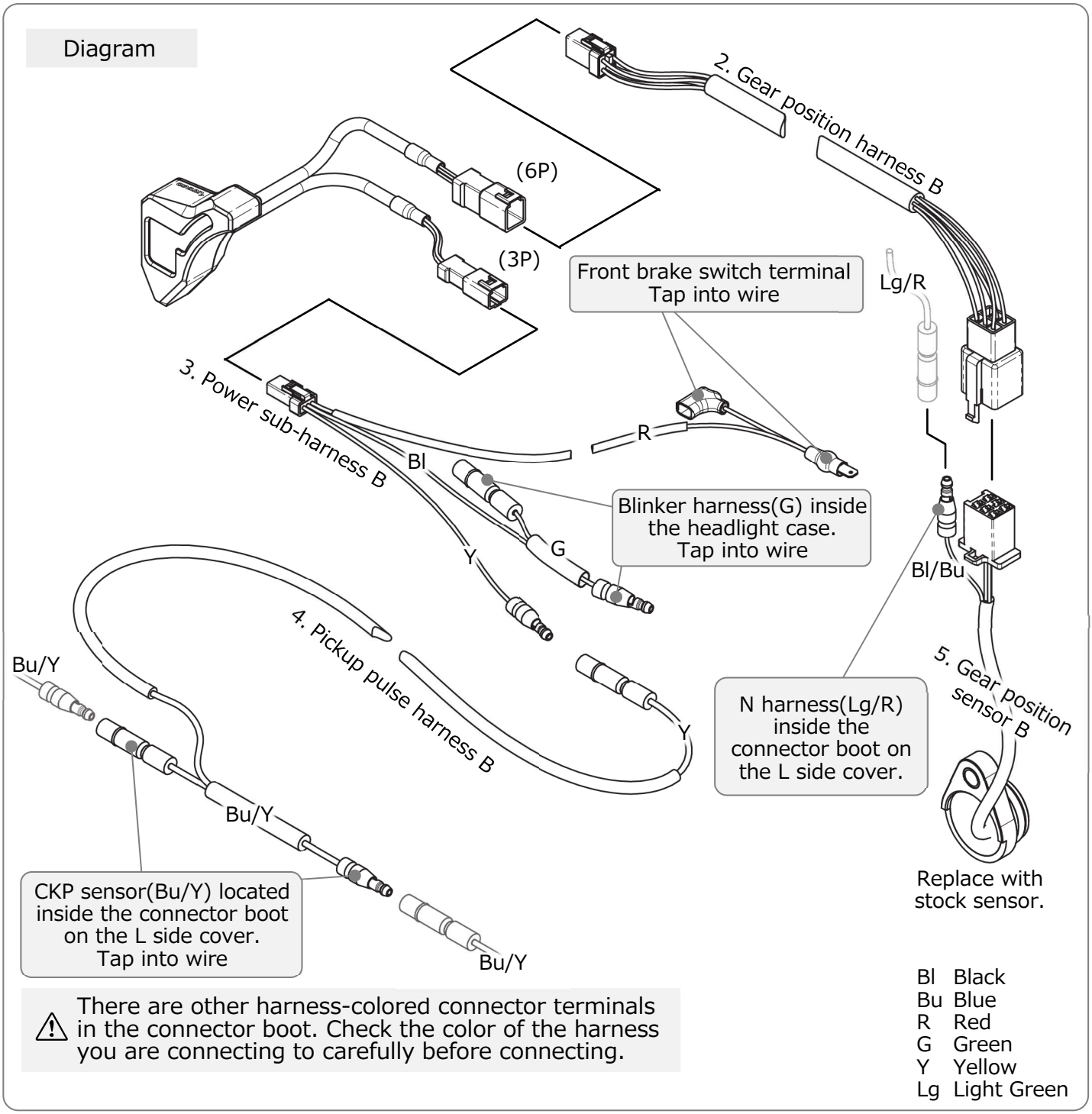
⚠ There are other harness-colored connector terminals in the connector boot. Check the color of the harness you are connecting to carefully before connecting.

Bl	Black
Bu	Blue
R	Red
G	Green
Y	Yellow
Lg	Light Green

Parts List MONKEY125 (2021) (2025) [9 pulse]

761-1301000EX1 MONKEY125 (2021)(2025)[9 pulse]			
1	-	Main unit	x 1
2	761-9010110	Gear position harness B	x 1
3	761-9010210	Power sub-harness B	x 1
4	761-9010310	Pickup pulse harness B	x 1
5	761-9010410	Gear position sensor B	x 1
6	0901-700-01203	Cable ties	x 5

Diagram



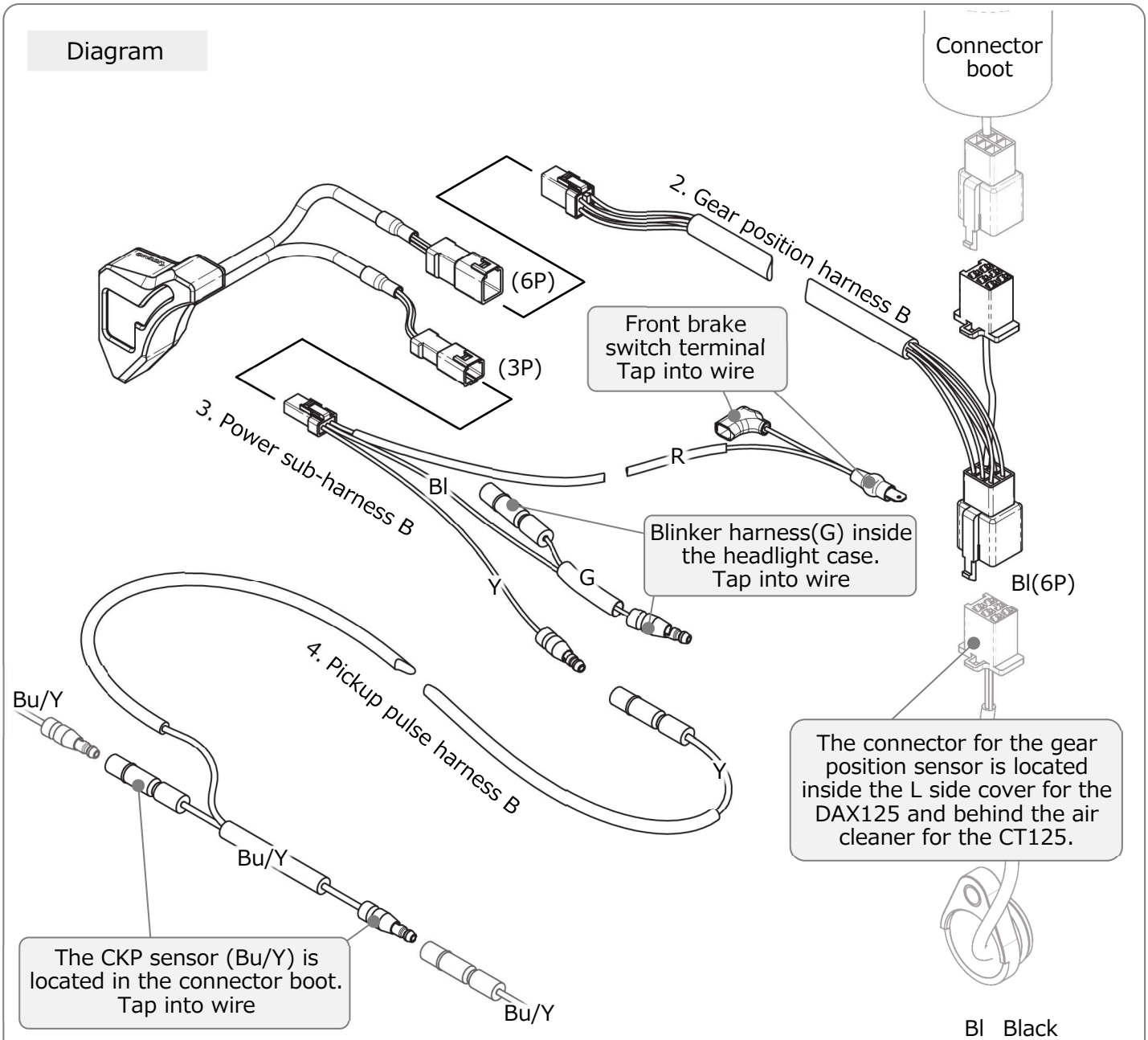
⚠ There are other harness-colored connector terminals in the connector boot. Check the color of the harness you are connecting to carefully before connecting.

Bl Black
Bu Blue
R Red
G Green
Y Yellow
Lg Light Green

Parts List CT125 (2023) [9 pulse] / DAX125 (2023)(2025) [9 pulse]

761-1471000EX1		CT125 (2023) [9 pulse] DAX125 (2023)(2025) [9 pulse]	
1	-	Main unit	x 1
2	761-9010100	Gear position harness A	x 1
3	761-9010210	Power sub-harness B	x 1
4	761-9010310	Pickup pulse harness B	x 1
5	0901-700-01203	Cable ties	x 5

Diagram



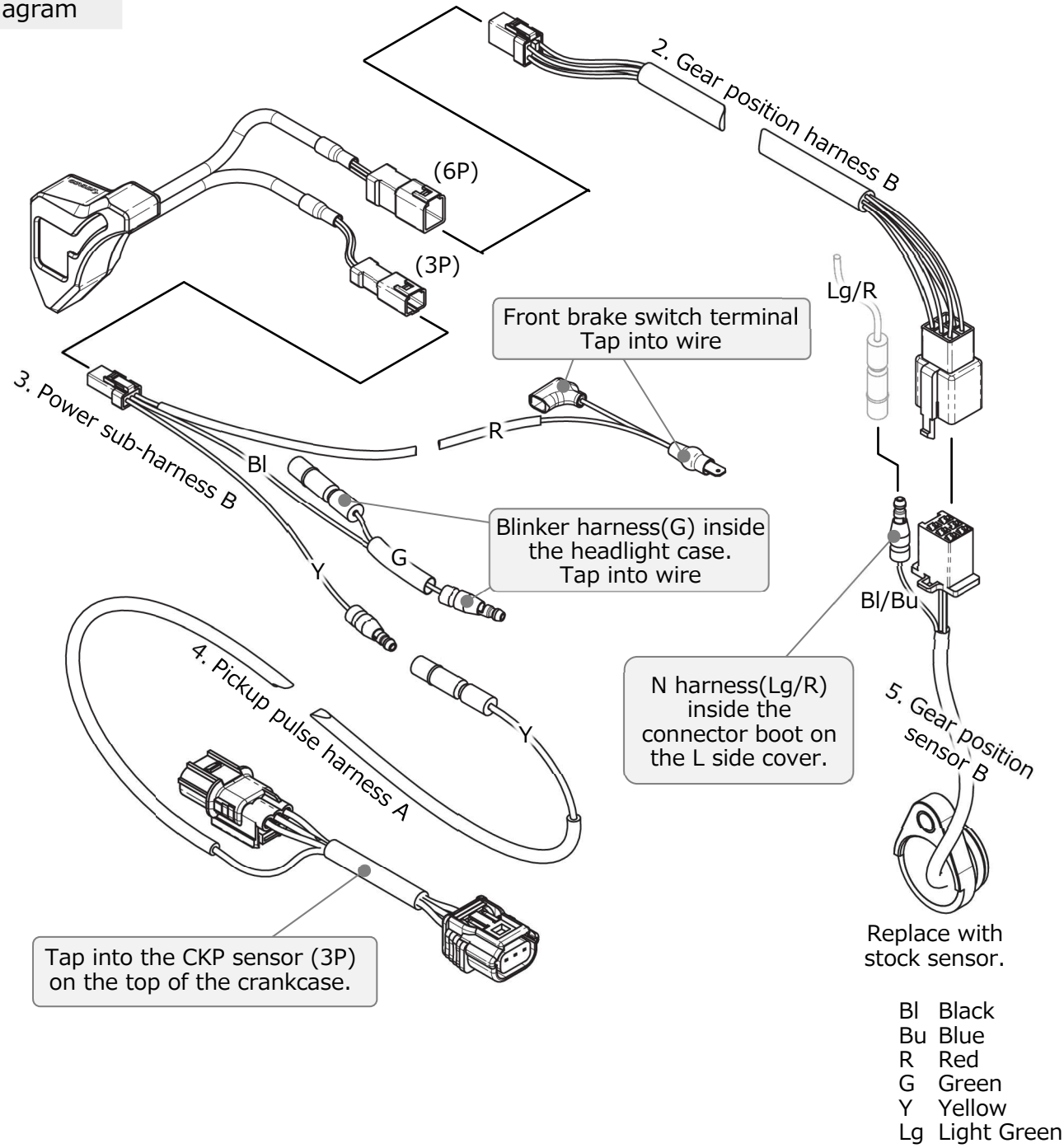
⚠ There are other harness-colored connector terminals in the connector boot. Check the color of the harness you are connecting to carefully before connecting.

Bl Black
Bu Blue
R Red
G Green
Y Yellow
Lg Light Green

Parts List MONKEY125 (2021) (2025) [34 pulse]

761-1301000EX2	MONKEY125 (2021)(2025) [34 pulse]		
1	-	Main unit	x 1
2	761-9010110	Gear position harness B	x 1
3	761-9010210	Power sub-harness B	x 1
4	761-9010300	Pickup pulse harness A	x 1
5	761-9010410	Gear position sensor B	x 1
6	0901-700-01203	Cable ties	x 5

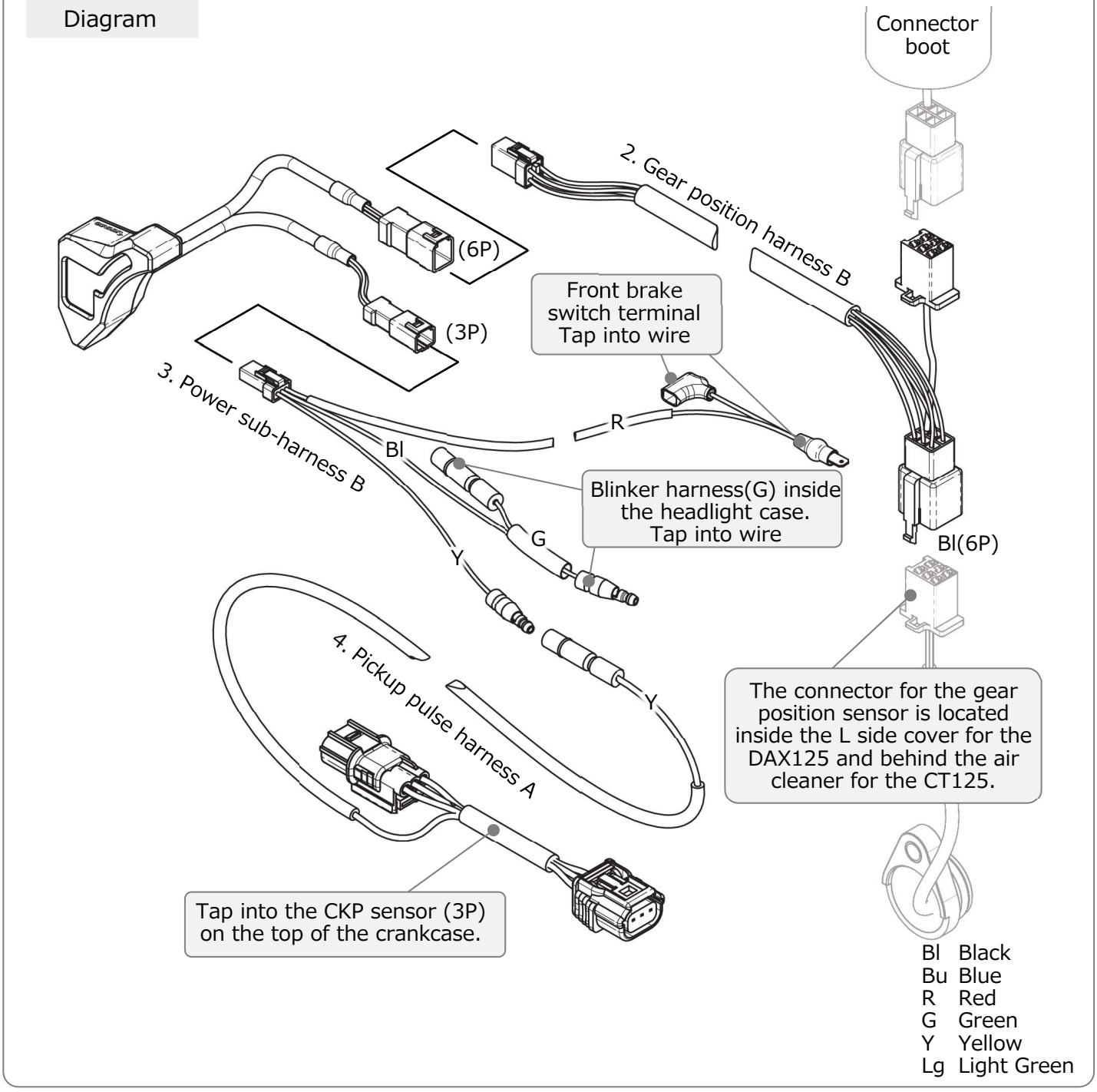
Diagram



Parts List CT125 (2023) [34 pulse] / DAX125 (2023)(2025) [34 pulse]

761-1471000EX2		CT125 (2023) [34 pulse] DAX125 (2023)(2025) [34 pulse]	
1	-	Main unit	x 1
2	761-9010100	Gear position harness A	x 1
3	761-9010210	Power sub-harness B	x 1
4	761-9010300	Pickup pulse harness A	x 1
5	0901-700-01203	Cable ties	x 5

Diagram



Installing

- We will tap into the connector and make the necessary connections.
- External component removal and other operations are required.
- Follow the service manual for the procedures for removing and installing the external components.
- The contents of the manual (illustrations and photographs) may differ from those in the manual due to specification changes or other reasons.

Regarding the "Bu/Y" sign indicating the color of the harness.

- "Blue/yellow" refers to harnesses with blue as the main color and yellow lines. There may be evenly spaced dot marks, but these do not indicate color.

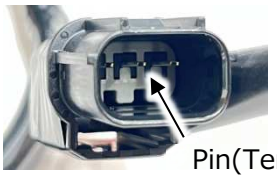
Bu/Y

Precautions when connecting connectors

- Be sure to check that the various connectors are connected to the correct locations. Connectors of the same shape may be used in different locations or on different sensors. Incorrect connection points may cause damage.
- Place the wiring harness so that it is not overloaded, and be very careful to avoid interference with other parts.
- When connecting connectors, be sure to insert them straight. Forcing insertion at an angle may deform or damage the internal pins.

OK

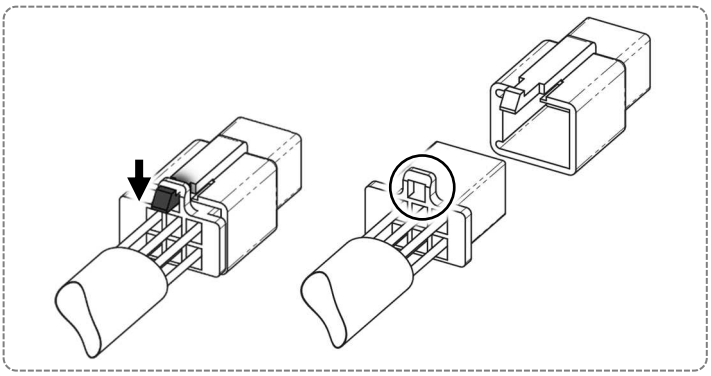
NG

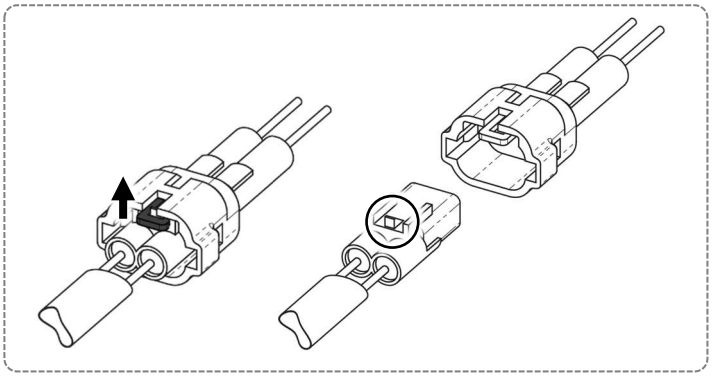


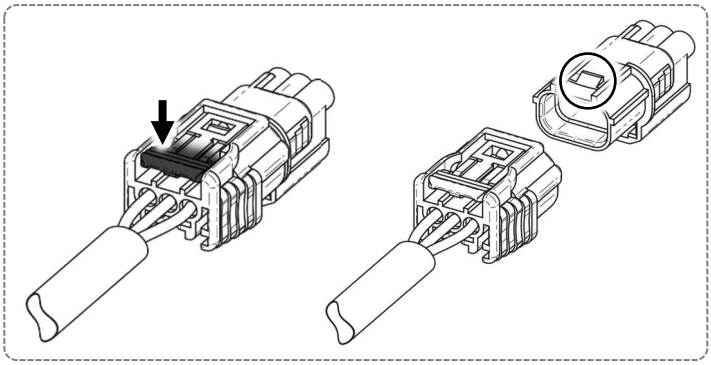
Pin(Terminal)

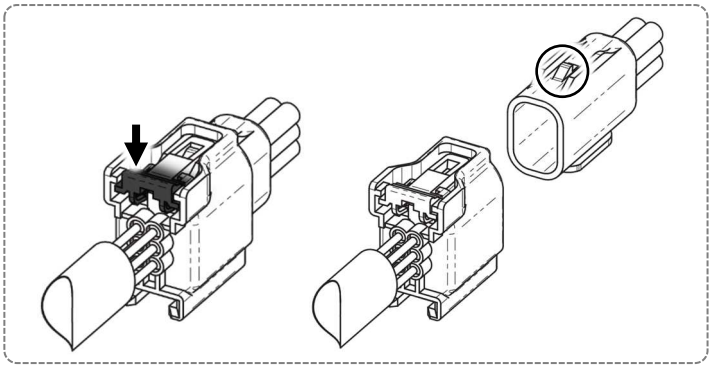
How to remove the connector

- Referring to the illustration, remove the connector by pushing the lock in the direction of the arrow.





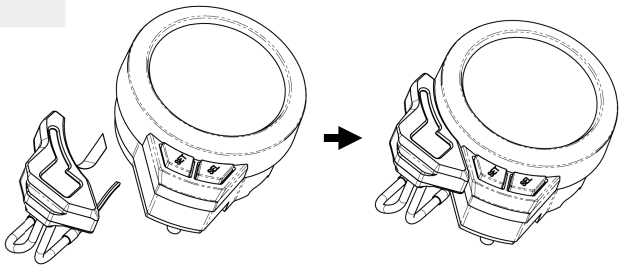




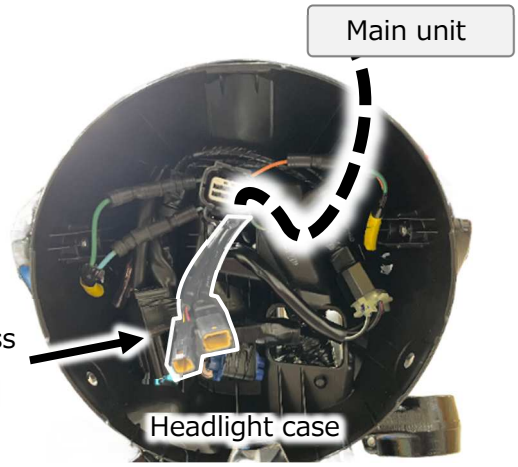
Attachment of main unit / harness placement

- Attach the main unit to the stock speedometer.

> ⚠ Make sure to degrease the surface of the component to ensure that it is free of dirt, etc.
> Do not paste in an environment below 15℃.
> Do not wash the car within 24 hours of application.



Pass the main unit wiring harness (connector 3P/6P) from the backside of the headlight case inside.

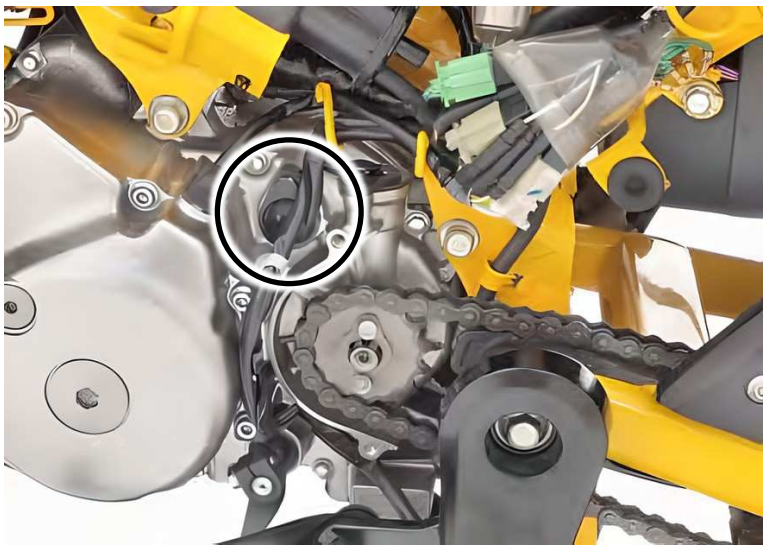


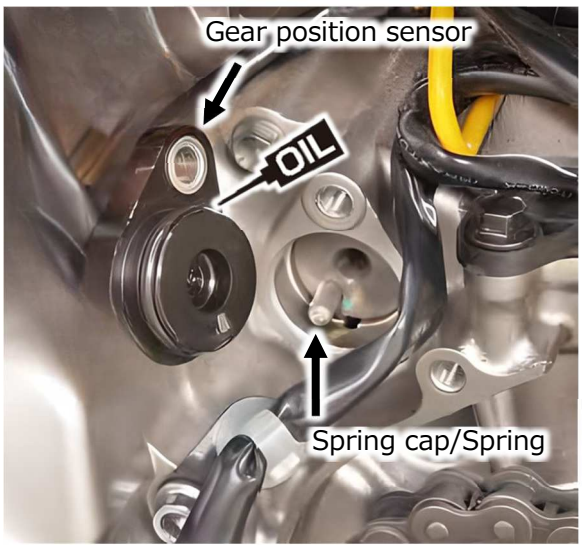
Replace gear position sensor

- In the following car models, the gear position sensor is to be replaced with the stock sensor.
  Refer to the diagram description in the parts list to make the connection.

  - MONKEY125 (2018)
  - MONKEY125 (2021) (2025)
  - CT125 (2020)

- Remove the stock gear position sensor and replace it with the product sensor.
  Be careful not to lose the spring cap/spring.





Connection of the power sub-harness

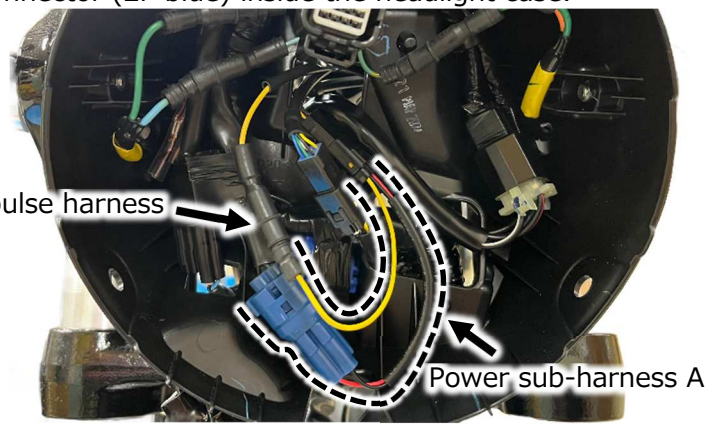
- To extract accessory power, make an interrupt connection to the optional coupler in the headlight or to the front brake switch terminal.
  Refer to the diagram description in the parts list to make the connection.

Power sub-harness A	Power sub-harness B
Japan's specifications	All models

- The yellow harness of the power sub-harness connects to the pickup pulse harness.

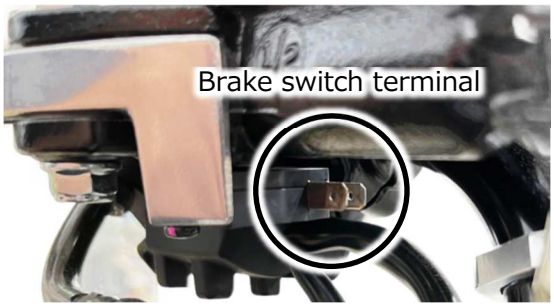
Power sub-harness A

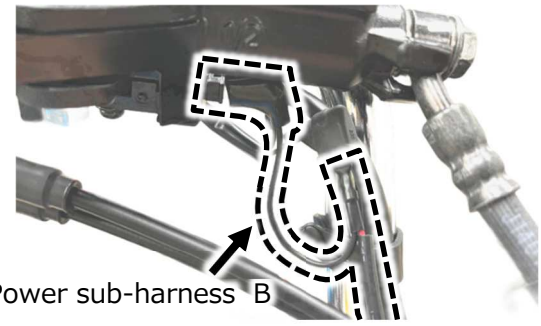
- Connect the power sub-harness A to the stock connector (2P blue) inside the headlight case.



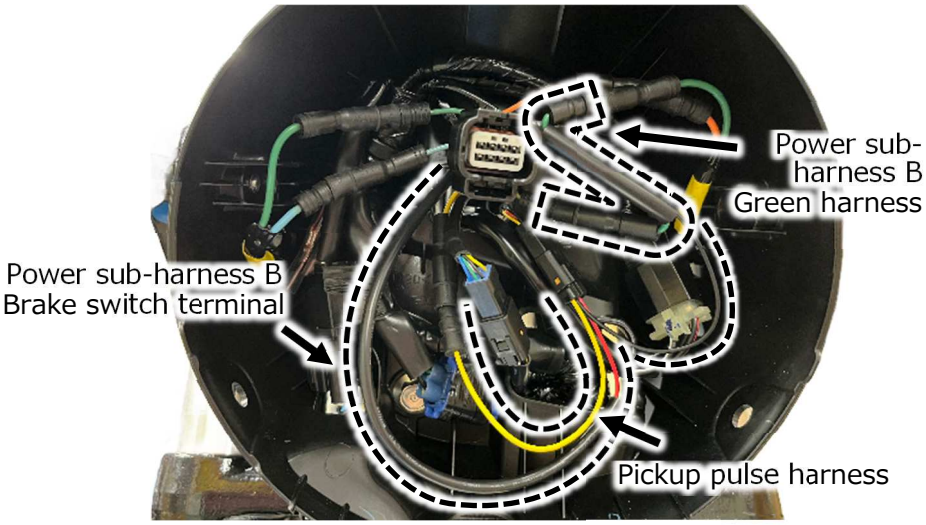
Power sub-harness B

- There are two brake switch terminals, one for accessory power and the other for 12V when braking.
  It is unclear which is the accessory power source, front or rear, so check with a tester before connecting.





- Tap into the turn signal bullet connector (green harness) inside the headlight case, and connect it to the bullet connector of the power sub-harness B (green harness).

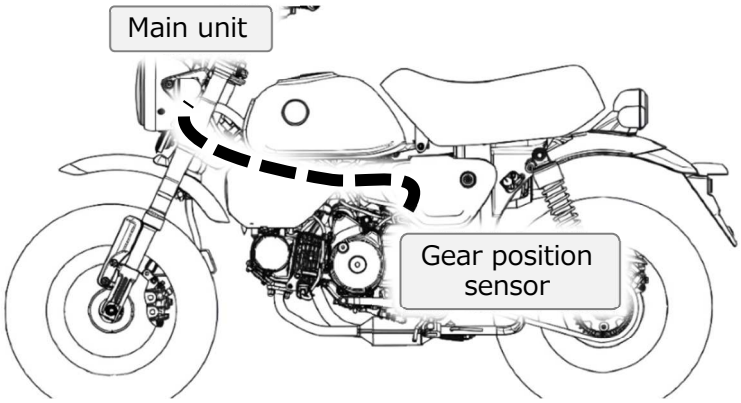


Connection of the gear position harness

- Route the gear position harness along the vehicle body. Use the included cable ties to secure it so that the harness does not sag.
- Connect it to the 6P connector on the main unit side, and tap into or connect it to the 6P connector of the gear position sensor.

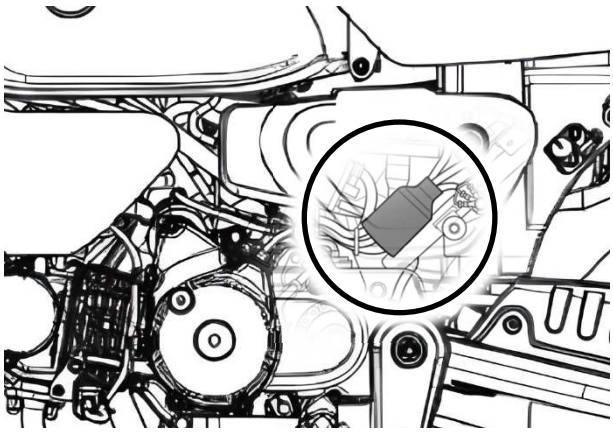
Gear position harness A	Gear position harness B	Gear position harness C
CT125 (2023) DAX125 (2023)(2025)	MONKEY125 (2018) MONKEY125 (2021)(2025) CT125 (2023)	Japan's specifications

- Refer to the diagram description in the parts list to make the connection.

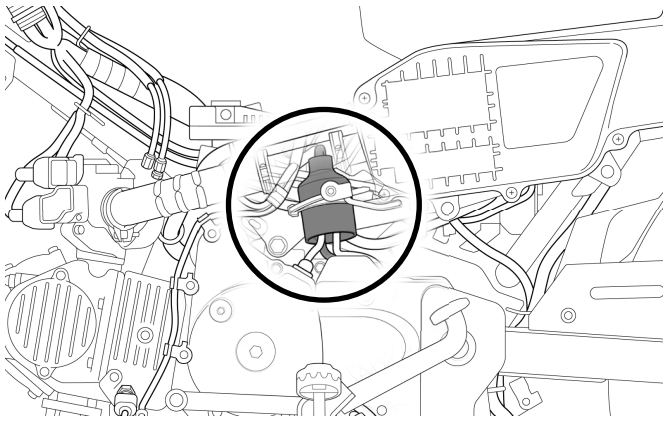


Location of gear position sensor connectors and bullet connector

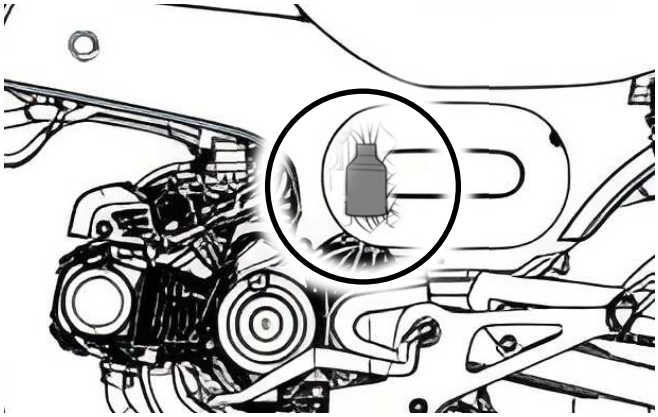
MONKEY125



CT125



DAX125



Connection of Pickup Pulse Harness

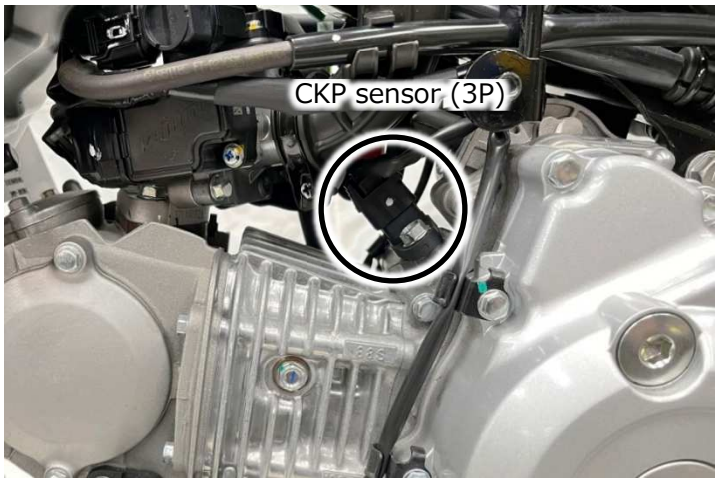
- To obtain the engine speed signal, tap into the pickup pulse (CKP sensor).
  The connection method (harness) varies depending on the destination model.

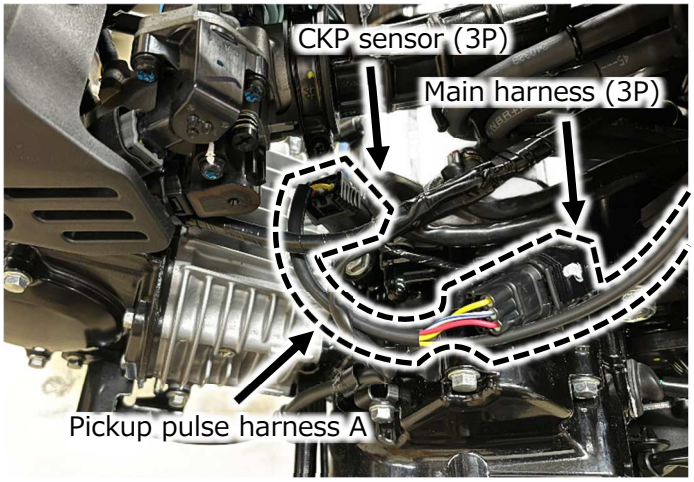
Pickup pulse harness A	Pickup pulse harness B
34 pulses Models with CKP sensor on top of the crankcase.	9 pulses Alternator model with CKP sensor. Signal is acquired via a bullet connector.

- Place the yellow harness of the pickup pulse harness along the vehicle body and up to the main unit side in the same manner as the gear position harness.
  Use the provided cable ties to secure the harness so that it does not hang down.

Pickup pulse harness A

- Tap into the CKP sensor (3P) on the top of the crankcase.

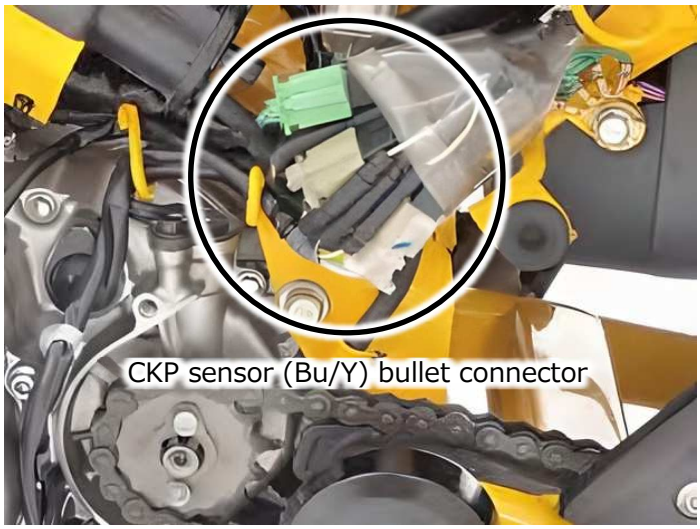


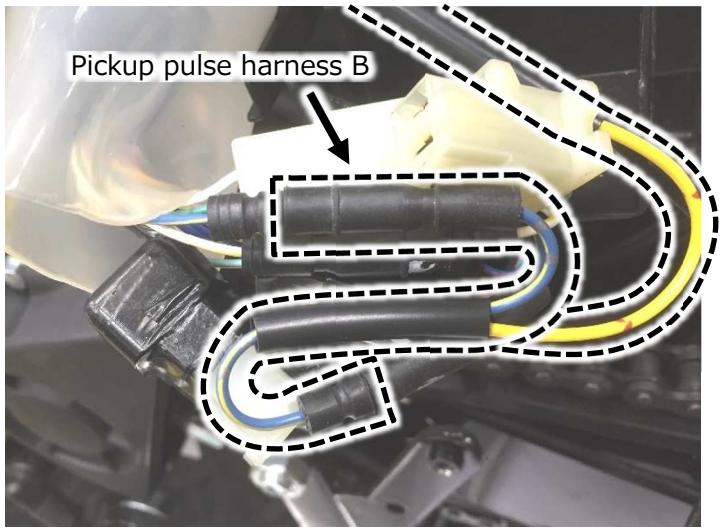


If the CKP sensor connector is difficult to remove, remove the air cleaner connecting tube (rubber hose) before proceeding.

Pickup pulse harness B

- Tap into the CKP sensor (blue/yellow) bullet connector inside the connector boot.

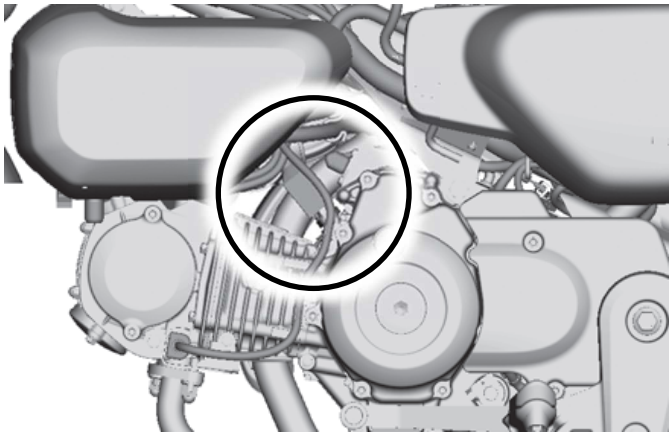




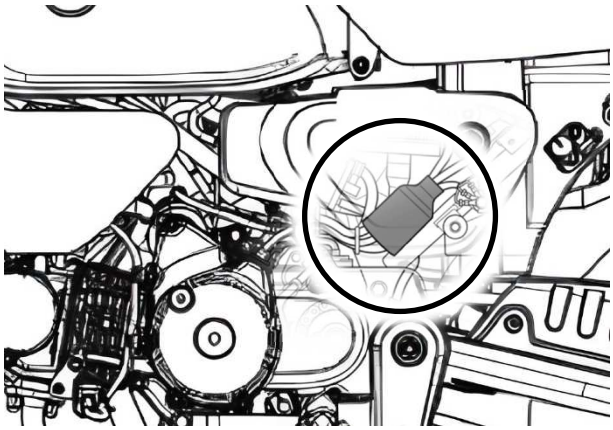
⚠ There are other harness-colored connector terminals in the connector boot.
Check the color of the harness you are connecting to carefully before connecting.

Location of CKP sensor connectors and bullet connector

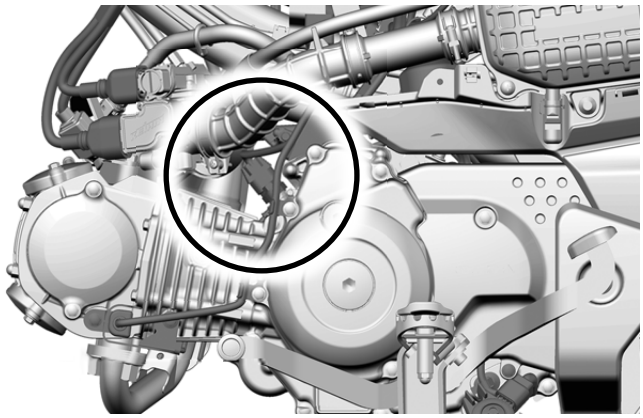
MONKEY125 (34 pulses)



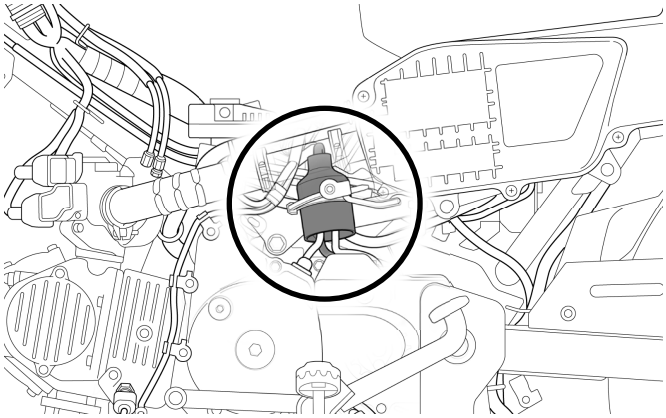
MONKEY125 (9 pulses)



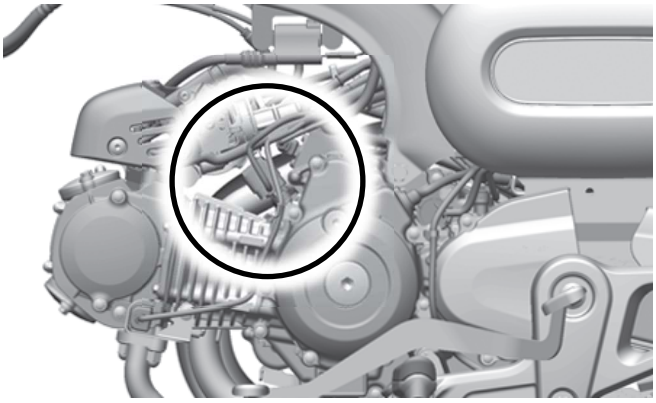
CT125 (34 pulses)



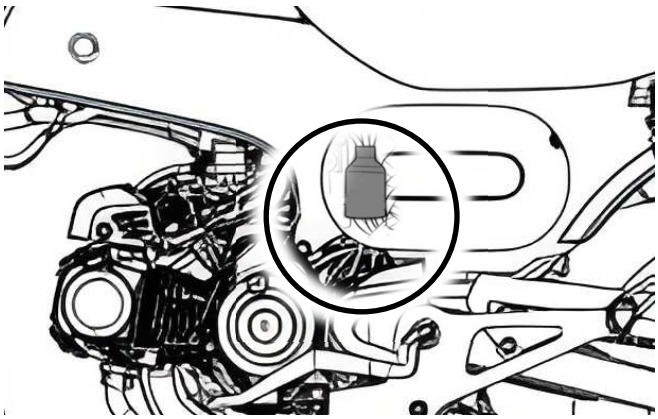
CT125 (9 pulses)



DAX125 (34 pulses)



DAX125 (9 pulses)



⚠ After harness placement is completed, thoroughly check again that the various connectors have the correct connection points.
Connectors of the same shape may be used in different locations or for different sensors, and will be damaged if connected to the wrong place.

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