

TRACKTRIBE – USER MANUAL

PLEASE, READ AND CAREFULLY FOLLOW THE INSTRUCTIONS BELOW

THIS DOCUMENT APPLIES EXCLUSIVELY TO THE PRODUCT IDENTIFIED BY PART NUMBER XC2CA71.

CONTENTS OF THE PACKAGE

1x ECU, 1x Y-cable, 1x dual lock fixing, 1x stickers, 1x flyer limited warranty & warning EU, 1x pressure sensor kit.

Pressure sensor kit is made up of:

1x pressure sensor, 1x pressure sensor cable, 1x banjo fitting, 1x banjo bolt, 4x washers.

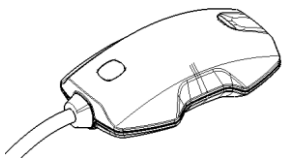
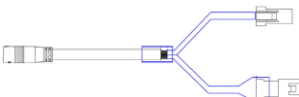
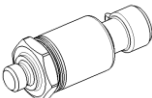
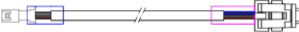
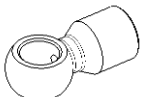
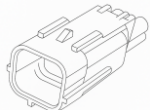
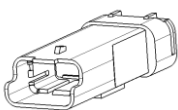
ECU Product Number: 800-009-001 Commercial Number: XC2CA01	
Y-cable	
Pressure sensor	
Pressure sensor cable	
Banjo fitting	
Banjo bolt	
Washers	

Figure 1 - Package content functional components

Note: the cable to connect ECU to power supply is sold separately and depends on the motorcycle model on which the TRACKTRIBE will be installed. The choice is among one of the following codes: XC2CA12/22/32/42/52/62.

Power supply	OBD Euro 5	OBD 2	OBD Type 1	OBD Type 2	OBD Type 3	Direct Battery
Code	XC2CA12	XC2CA22	XC2CA32	XC2CA42	XC2CA52	XC2CA62
Connector image						

GENERAL AND SAFETY INFORMATION

This BREMBO product has been designed to comply with all applicable safety standards. Products are not intended to be used differently from the specific use for which they have been designed and manufactured. Use for any other purpose, or any modification to, or tampering with, the Product can affect its performance and may render the Product unsafe. Any modification or improper use will void the Limited Warranty and may subject the individual so using the Product to liability for bodily injury or property damage to others.

As used in these instructions,



DANGER means procedures which, if not observed, have a high degree of probability that they will cause serious injury or even death.



WARNING means procedures which, if not observed, could possibly cause injury.



CAUTION means procedures which, if not observed, could result in damage to the vehicle.

GENERAL WARNINGS AND PRECAUTIONS – PLEASE READ CAREFULLY



DANGER Proper installation and use of this Product contained in this KIT is essential for the safe operation of the motorcycle on which it is installed and to ensure the correct functioning of the hydraulic connection. Pressure sensor kit is intended to be installed only by a skilled, qualified professional who has been trained and/or is experienced in the installation and use of this Product, who has knowledge and experience with motorcycle repair and maintenance and is equipped with the appropriate tools of trade. As a general rule, closely follow the instructions contained in the original literature of the motorcycle manufacturer. Do not use an impact screwdriver, observe torques, always replace self-locking screws/nuts/safety elements.

Improper or incorrect installation, removal or reinstallation, whether caused by a failure to faithfully and completely follow these Instructions or otherwise, will void the Limited Warranty and could subject the installer to liability in the event of personal injury or property damage. BREMBO shall not be liable for any damage or injury that is caused by the improper installation of this Product including without limitation, damages or injuries caused by the operation of a motorcycle on which this Product has been improperly installed.



DANGER Before beginning replacement and installation of this Product, ensure that the Product and other parts used for replacement are intact, without any damage, dents or scratches.



CAUTION Note the position of all the components removed or partially removed to ensure proper reassembly of these components.



CAUTION In case certain components of the motorcycle (including, without limitation, covers, accessories and/or mirrors) obstruct the access to the master cylinder unit, and/or the disassembly of its interfaces, remove these components.

INTENDED USE



WARNING The final User is only authorised to operate on the ECU and wiring harness. Installation and/or maintenance of all other components must be carried out exclusively by an officially trained and authorised Installer. Get in touch with the official BREMBO distributor, which will direct to authorised installer.

ECU INSTALLATION

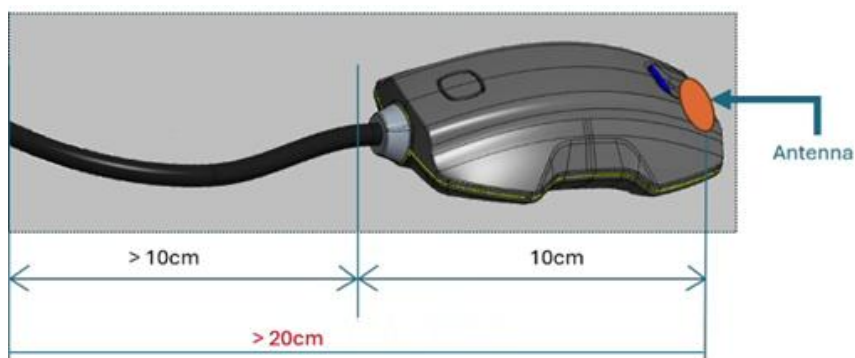


WARNING Take care not to damage any part of the KIT.

- It is recommended to install the product on the motorcycle tail section to ensure proper GPS exposure and adequate proximity to the OBD port for ECU power supply. Consider that ECU cable is 40cm long, and its connector has a diameter of 11,5mm.



- The ECU must be installed to guarantee a minimum distance of 20 cm between the body of the rider and the module antenna, as shown in the figure below.



- Ensure the motorcycle tail surface is clean and dry prior to attaching the Dual lock fixing; once the Dual lock tape is fixed to the motorcycle tail, attach the counterpart to the ECU.
- The ECU must be installed with the arrow marked on the product aligned with the direction of travel of the vehicle, to guarantee optimal system operation and accuracy (see picture below).
- To guarantee optimal system accuracy, the maximum variation in yaw angle with respect to the direction of travel of the motorcycle must be smaller than 4°.

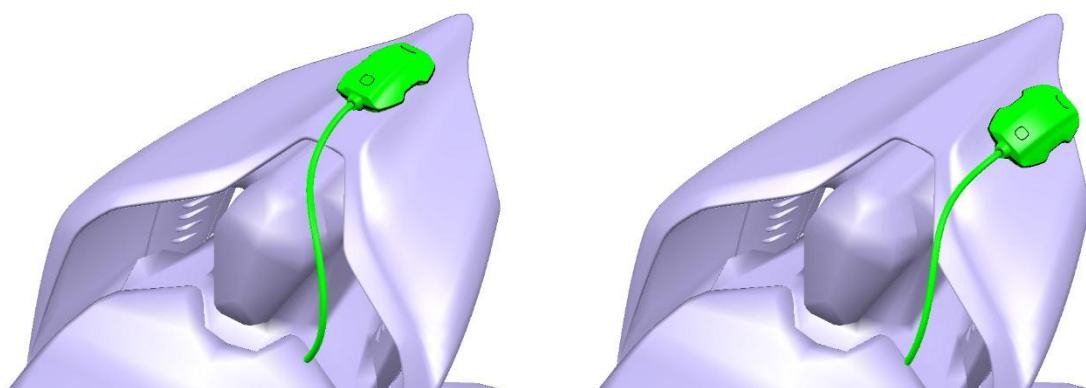


Figure 1 - Correct installation direction

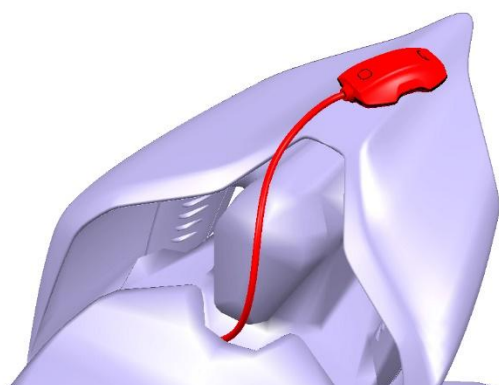


Figure 2 - Wrong installation direction

- The first installation must be carried out by a trained and authorised Installer.
- If the ECU is removed and reinstalled on the vehicle, it must be recalibrated following the procedure described at the following link: <https://www.brembo.com/en/solutions/for-your-bike/tracktribe/instructions>.

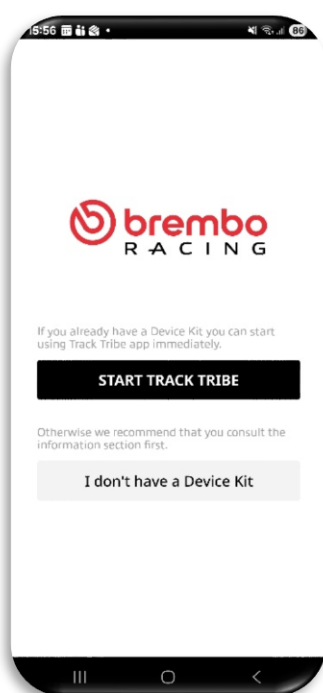
GENERAL MAINTENANCE ADVICES

To ensure cleaning of the ECU, adhere to the following indications.

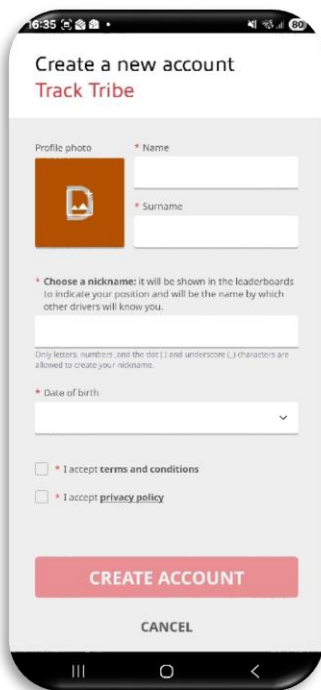
- Ensure the ECU is powered OFF.
 - Clean the ECU surface with a damp cloth using water or neutral detergent.
 - Do not use solvents, alcohol or abrasive materials.
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PAIRING PROCEDURE

1. Open the Track Tribe App and log in using your Apple or Google account.



2. Complete your Track Tribe user profile information.



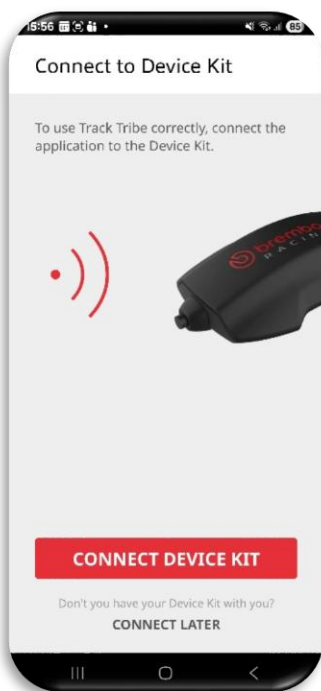
Create a new account
Track Tribe

Profile photo * Name
Surname
Choose a nickname: It will be shown in the leaderboards to indicate your position and will be the name by which other drivers will know you.
Only letters, numbers, and the dot (.) and underscore (_) characters are allowed to create your nickname.
Date of birth

☐ * I accept terms and conditions
☐ * I accept privacy policy

CREATE ACCOUNT
CANCEL

3. Make sure that Bluetooth connection is active and that your phone has internet connection. Also, verify that the ECU is powered and turned on.



Connect to Device Kit

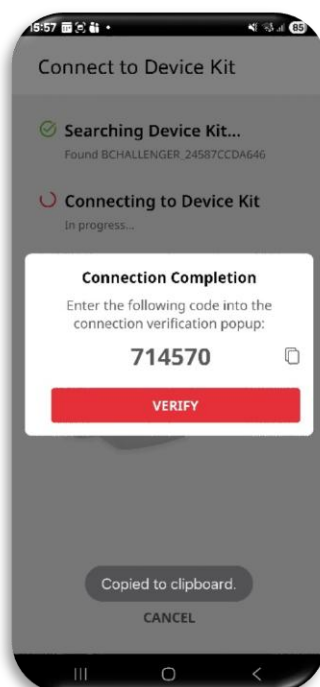
To use Track Tribe correctly, connect the application to the Device Kit.

CONNECT DEVICE KIT
Don't you have your Device Kit with you?
CONNECT LATER

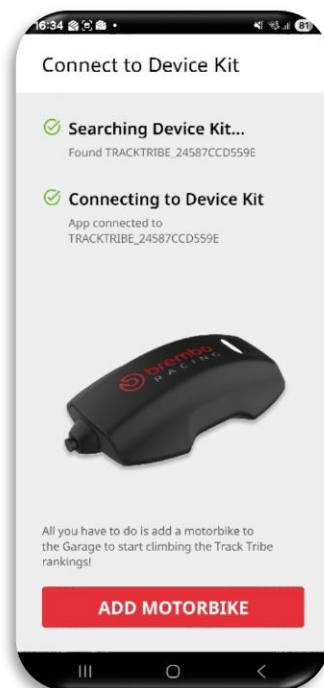
4. Connect the Track Tribe device by entering the identification number manually or by scanning the QR code, located on the bottom of the device.



5. Copy the unique security key received and enter it in the designated field.



6. The connection to the device is complete. From here, you will be able to add your motorcycle.



SESSION ACQUISITION START CONDITIONS

Start session acquisition when the following condition is met:

- GPS speed (v_{gps}) > 60 km/h for at least 5 seconds.

Note: 60 km/h corresponds to the pit-lane speed limit. This threshold prevents false session acquisition during low-speed movements in the paddock or when the vehicle is stopped before entering the track (e.g. during safety checks).

SESSION TERMINATION CONDITIONS

Terminate the session when any of the following conditions occurs:

- GPS speed (v_{gps}) < 5 km/h for at least 10 seconds.
 - GPS speed (v_{gps}) = 0 km/h for at least 3 seconds.
 - The vehicle exits the predefined circuit geofence.
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GENERAL INFORMATION

The ECU guarantee 4 hours of data recording.

A hard copy of this warranty is available upon request and can be sent to the following address: Via Stezzano 87, 24126 Bergamo (BG), Italy

FREQUENCY AND POWER**Frequency bands:**

WIFI: 2412 ÷ 2472 MHz

BLE/ANT: 2402 ÷ 2480 MHz

GNSS:

- GPS L1: 1575.42 ± 1.023 MHz
- Galileo E1: 1575.42 ± 2.048 MHz
- Glonass G1: $1602 \text{ MHz} + (n * 0.5625 \text{ MHz}, n = -7, -6, -5, \dots, 0, \dots, 6)$

RF power:

WIFI: 19.98 dBm EIRP

BLE (ESP32): 10.76 dBm EIRP

BLE/ANT: 4.38 dBm EIRP
