



LP0199

**FITTING INSTRUCTIONS FOR LP0199BK LICENCE PLATE BRACKET**  
**DUCATI 'X' DIAVEL 2016-**

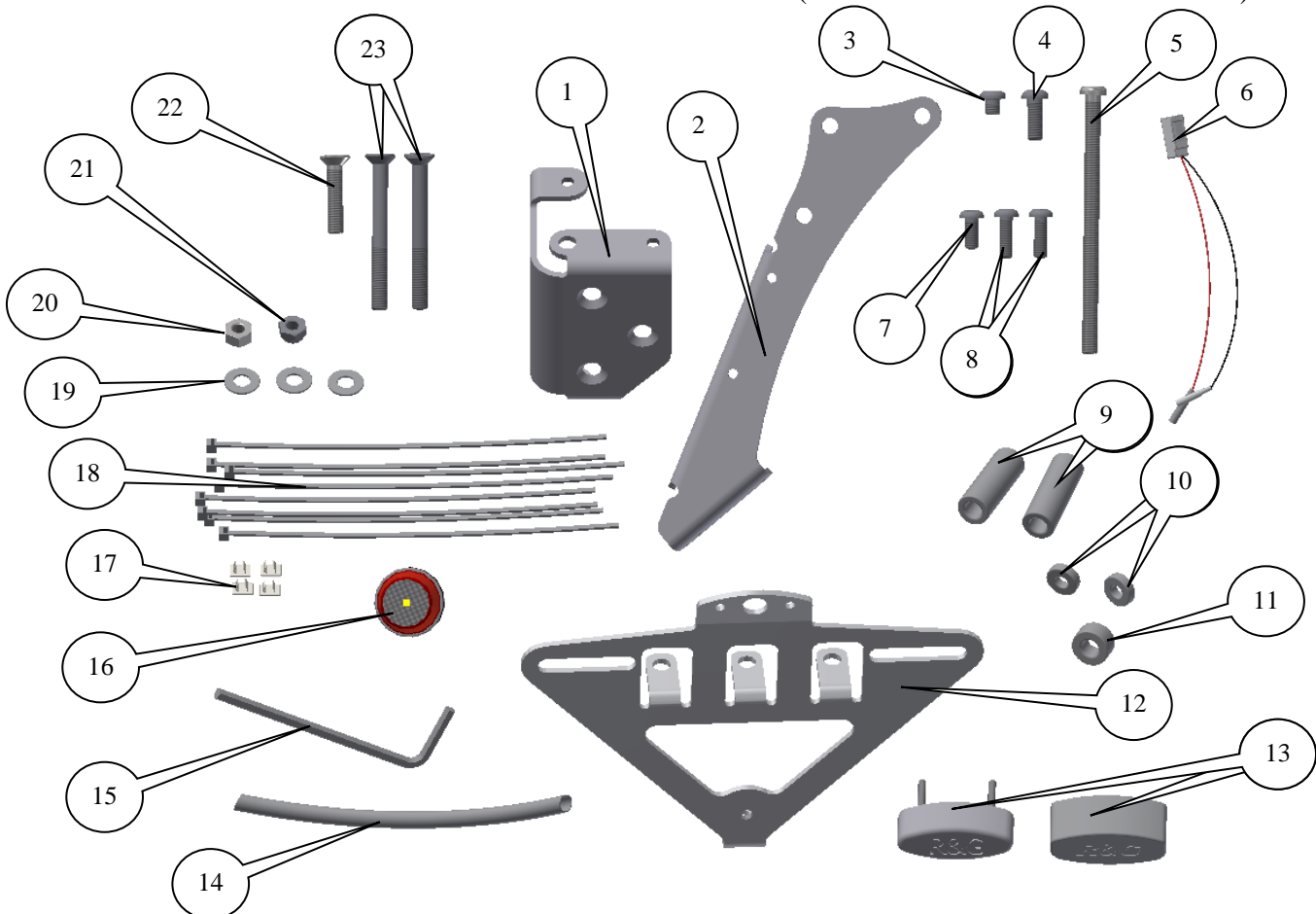
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**THIS KIT CONTAINS THE ITEMS PICTURED AND LABELLED BELOW.**  
**DO NOT PROCEED UNTIL YOU ARE SURE ALL PARTS ARE PRESENT.**

Please note that the way the kit is packed does not necessarily represent the way of mounting to the bike

THE PARTS SHOWN MAY BE REPRESENTATIVE ONLY (FOR CLARITY OF INSTRUCTIONS ONLY)





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**LEGEND**

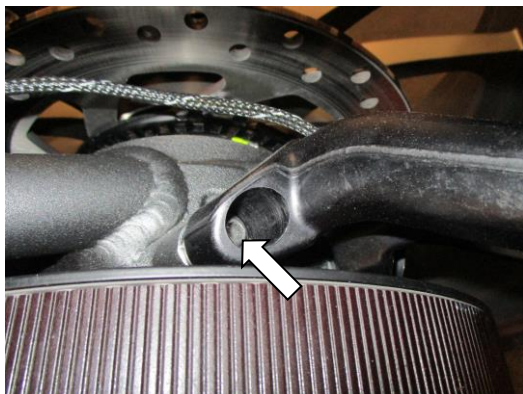
- ITEM 1 = MAIN MOUNTING BRACKET (TB0199BK-PART 1) (x1).
- ITEM 2 = INDICATOR MOUNTING BRACKET (TB0199BK-PART 3) (x1).
- ITEM 3 = M6x5mm BUTTON HEAD BOLT (x1).
- ITEM 4 = M6x15mm BUTTON HEAD BOLT (x1).
- ITEM 5 = M6x100mm BUTTON HEAD BOLT (x1).
- ITEM 6 = LICENCE PLATE ILLUMINATOR CONNECTOR (CON0014) (x1).
- ITEM 7 = M5x12mm BUTTON HEAD BOLT (x1).
- ITEM 8 = M5x16mm BUTTON HEAD BOLTS (x2).
- ITEM 9 = SPACERS (S0962--37mm LONG) (x2).
- ITEM 10 = SPACERS (S0455--4mm LONG) (x2).
- ITEM 11 = SPACER (S0963--8mm LONG) (x1).
- ITEM 12 = LICENCE PLATE MOUNTING BRACKET (TB0199BK-PART 2) (x1).
- ITEM 13 = LICENCE PLATE ILLUMINATOR ASSEMBLY (LA0002) (x1).
- ITEM 14 = 180mm LENGTH OF HEAT SHRINK (x1).
- ITEM 15 = 4mm ALLEN KEY (x1).
- ITEM 16 = REFLECTOR (REFL 1) (x1).
- ITEM 17 = SELF ADHESIVE CABLE CLIPS (x4).
- ITEM 18 = SMALL CABLE TIES (x8).
- ITEM 19 = M6x14mm WASHERS (x3).
- ITEM 20 = M6 PLAIN NUTS (x1).
- ITEM 21 = M6 NYLOC NUT (x1).
- ITEM 22 = M6x30mm COUNTER-SUNK BOLT (x1).
- ITEM 23 = M6x50mm COUNTER-SUNK BOLTS (x2).

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Please note that in cases where kits are packed with rubber washers holding the components onto the bolt – *the rubber washers should be thrown away!*

**TOOLS REQUIRED**

- Set of Metric Allen keys to include 2, 2.5, 3, 4, 5 and 6mm A/F.
  - 6 and 8mm Socket and wrench or spanner.
    - 2 x 13mm spanners.
  - Small amount of super glue.



PICTURE 1



PICTURE 2

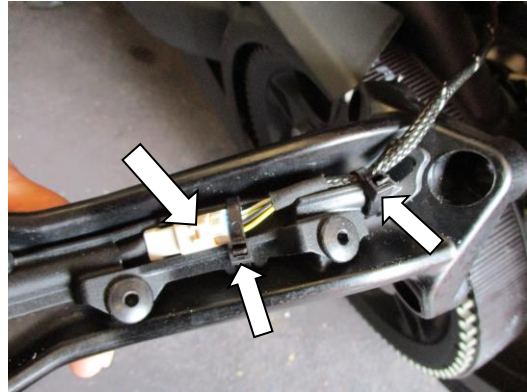


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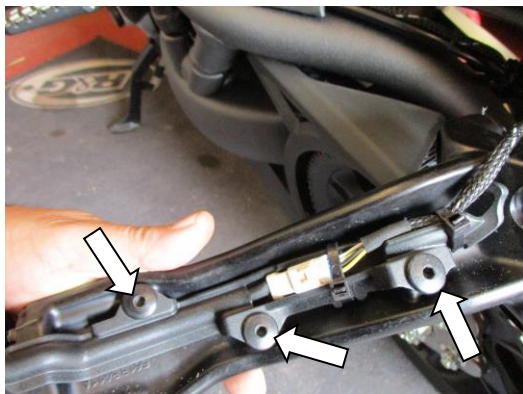
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PICTURE 3



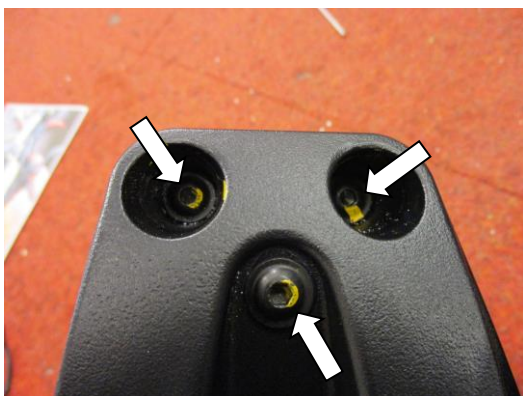
PICTURE 4



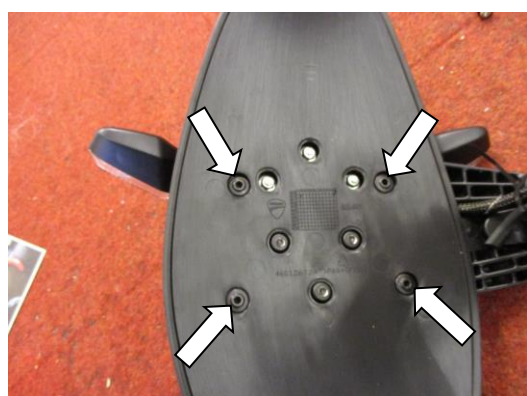
PICTURE 5



PICTURE 6



PICTURE 7



PICTURE 8

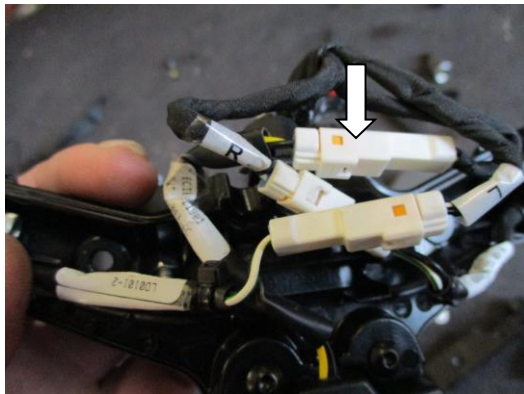




PICTURE 9



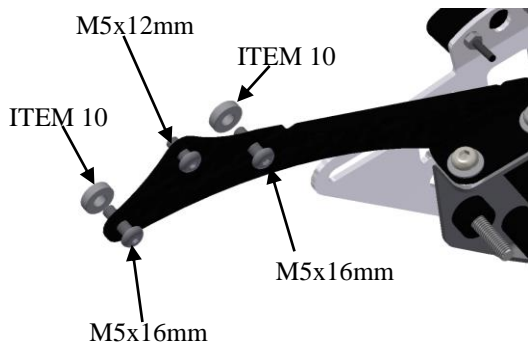
PICTURE 10



PICTURE 11



PICTURE 12



PICTURE 13

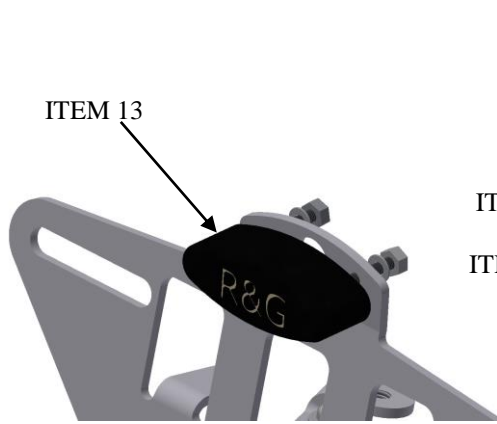


PICTURE 14

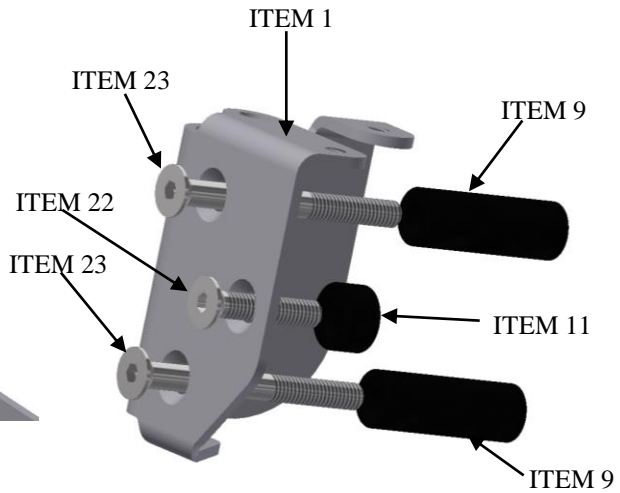


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PICTURE 15



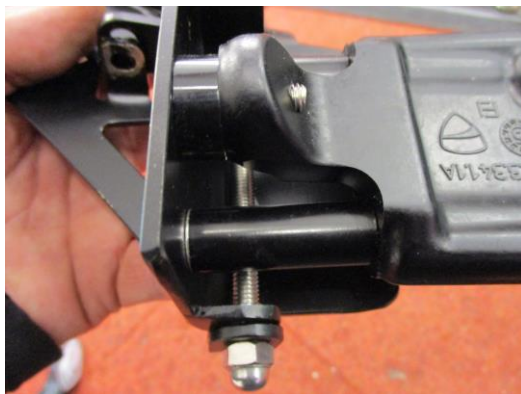
PICTURE 16



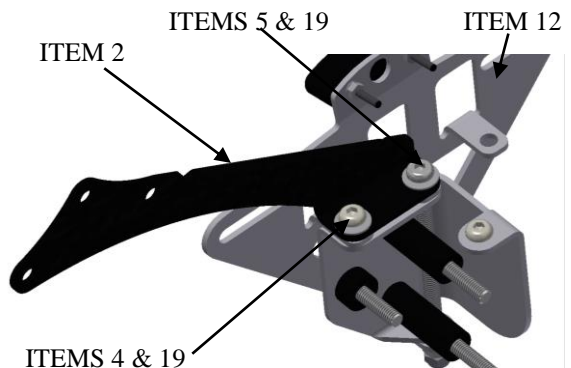
PICTURE 17



PICTURE 18



PICTURE 19



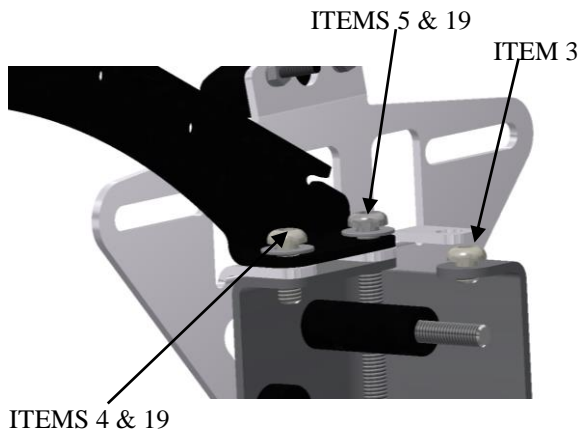
PICTURE 20



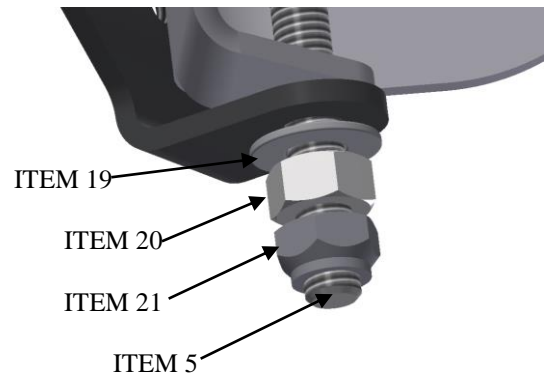


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PICTURE 21



PICTURE 22



PICTURE 23



PICTURE 24



PICTURE 25



PICTURE 26



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### FITTING INSTRUCTIONS

- Remove the three bolts arrowed in pictures 1, 2 and 3.
- Carefully remove the original licence plate assembly (being aware the wiring sub-loom is still connected) and rest on the rear wheel.
- Remove the two cable ties arrowed in picture 4 and disconnect the wiring plug socket arrowed in picture 4.
- Remove the three bolts arrowed in picture 5 and remove all the cable ties holding the wiring loom in position as shown in picture 6, then remove the wiring harness.
- The original licence plate assembly can now be removed.
- Remove the three bolts arrowed in picture 7 and separate the mounting bracket from the licence plate/splash guard bracket.
- Remove the four bolts arrowed in picture 8 and remove the splash guard.
- Remove the three nuts arrowed in picture 9 and remove the indicator/licence plate illuminator.
- Remove the three anti-vibration arrowed in picture 10.
- Remove the two bolts arrowed also arrowed in picture 10 and remove the cable cover to expose the wiring as shown in picture 11.
- Disconnect the wiring plug socket for the licence plate illuminator as arrowed in picture 11 (it is the one without R or L identifiers).
- Replace the plug socket with the new licence plate illuminator connector (item 6) and route alongside the original wiring loom.
- Before replacing the cable cover, mount the original indicator bracket to the new indicator mounting bracket (item 2) as shown in pictures 12, 13 and 14. Using the two smallest spacers (item 10) and the three M5 button head bolts (items 7 and 8) as shown in picture 13.
- Refit the cable cover as original ensuring the wiring is not squashed or crimped.
- Fit the new licence plate illuminator (item 13) to the new licence plate mounting bracket (item 12) as shown in picture 15 (please use the provided heat shrink (item 14) to protect the wiring).
- **PLEASE NOTE YOU WILL NEED TO GLUE THE LIGHT SHROUD TO THE LED LICENCE PLATE ILLUMINATOR USING A SMALL AMOUNT OF SUPER GLUE.**
- Fit the main mounting bracket (item 1) to the original mounting bracket as shown in pictures 17, 18 and 19, using the three spacers (items 9 and 11) with the three counter-sunk bolts (items 22 and 23) as shown in picture 16.
- Offer the licence plate mounting bracket (item 12) into position on the main mounting bracket (item 1) as shown in pictures 20 and 21, it should slip over the main mounting bracket.
- Offer the indicator mounting bracket into position as shown in pictures 20 and 21, use the longest M6 bolt with washer (items 5 and 19) to locate both parts as shown in pictures 20 and 21 (the bolt goes through the indicator mounting bracket and through the central hole in the licence plate mounting bracket). Use the mid-length M6 bolt with washer (items 4 and 19) in the remaining hole in the indicator mounting bracket.
- Place the last smallest M6 bolt (item 3) into the empty threaded hole in the main mounting bracket as shown in picture 21 (this is to protect the threads only in the riding position). The shortest and mid length bolts may be removed (using the Allen key provided (item 15) to allow licence plate mounting bracket to be swivelled 90 degrees to allow for ease of storage. **Please ensure to reposition before riding.**
- Fit the remaining washer (item 19) onto the exposed end of the longest bolt, then the M6 plain nut followed by the M6 Nyloc nut as shown in picture 22.

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- Tighten the upper nut (item 20) until there is no movement and then lock in position using the locking nut (item 21). Finally ensure all bolts are secure.
- Offer the complete assembly into a position so the main wiring socket can be reconnected as shown in picture 26.
- Connect the new licence plate illuminator to the wiring connector (item 6). It is a good idea to check the operation of all lights at this stage, if the licence plate illuminator fails to work please swap the bullet connectors and retry.
- Secure the original wiring loom and the licence plate illuminator wires using the cable ties (item 18) and self-adhesive cable clips (item 17) as shown in pictures 23, 24 and 25.
- Refit the cable harness as original and using the cable ties secure all wiring as original.
- Fit the entire assembly onto the rear wheel hub as original and secure using the original bolts, please ensure the wiring cannot come into contact with the chain, brake disc or any moving parts when in operation.
- Re-fit the licence plate (it may require drilling).
- **IMPORTANT: IF FITTING A FULL-SIZE LICENCE PLATE AND PLACING IT FAR DOWN ON THE LICENCE PLATE HANGER, THERE IS A SMALL CHANCE OF THE LICENCE PLATE HITTING THE BACK WHEEL UNDER HEAVY LOAD AND OVER LARGE BUMPS IN THE ROAD. IT IS YOUR RESPONSIBILITY TO CHECK FOR THIS POSSIBILITY AND TAKE AVOIDING ACTION. FAILURE TO CHECK THIS COULD RESULT IN SERIOUS INJURY OR DAMAGE.**
- Refit both seats.
- Depending on local laws, attach enclosed red reflector (item 16) in an appropriate location.
- **Please test the indicators, rear light and licence plate illuminator before riding.**

Digital copies of these instructions are available to download from [www.rg-racing.com](http://www.rg-racing.com)

#### **GENERAL TORQUE SETTINGS**

M4 BOLT = 8Nm  
M5 BOLT = 12Nm  
M6 BOLT = 15Nm  
M8 BOLT = 20Nm  
M10 BOLT = 40Nm

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