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# Dr. Jekyll & Mr. Hyde®

## THE EXHAUST

MANUAL : **TRIUMPH® | SMARTBOX 2**

**NEW IN THIS MANUAL:**  
- SMARTBOX CONTROL CABLE



Thruston RS

2020 » Up

Instruction  
video

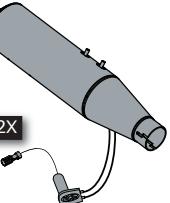
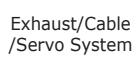
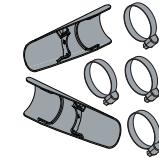
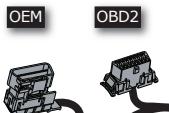
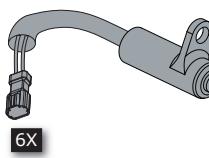
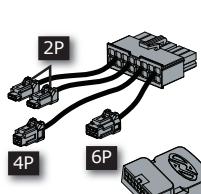
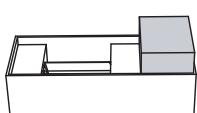


1

# Triumph Thruxton Smartbox 2



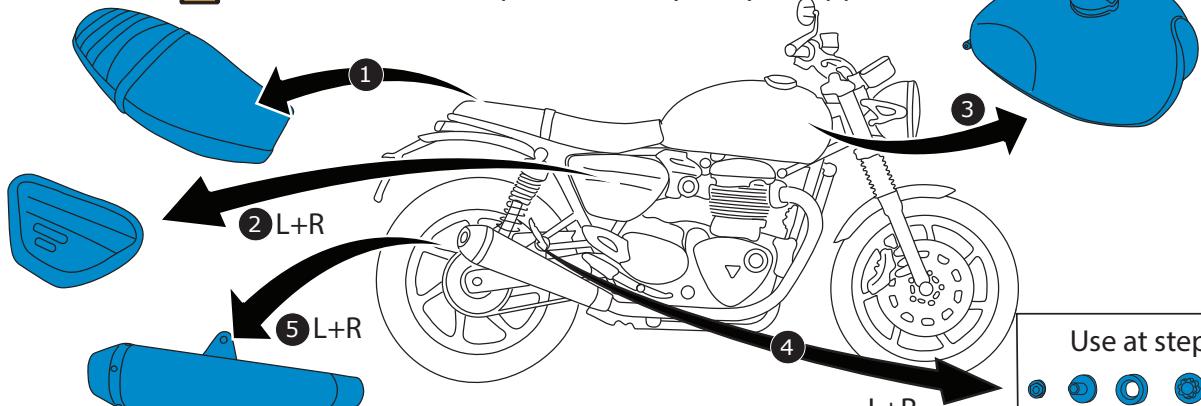
brackets / linkpipes / clamps and mounting parts.



The instruction video for this model is available online, scan QR code on front page.

2

Thruxton OEM components may vary in appearance

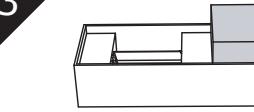


Remove or Lift tank

Use at step 3 and 4

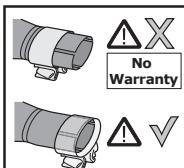
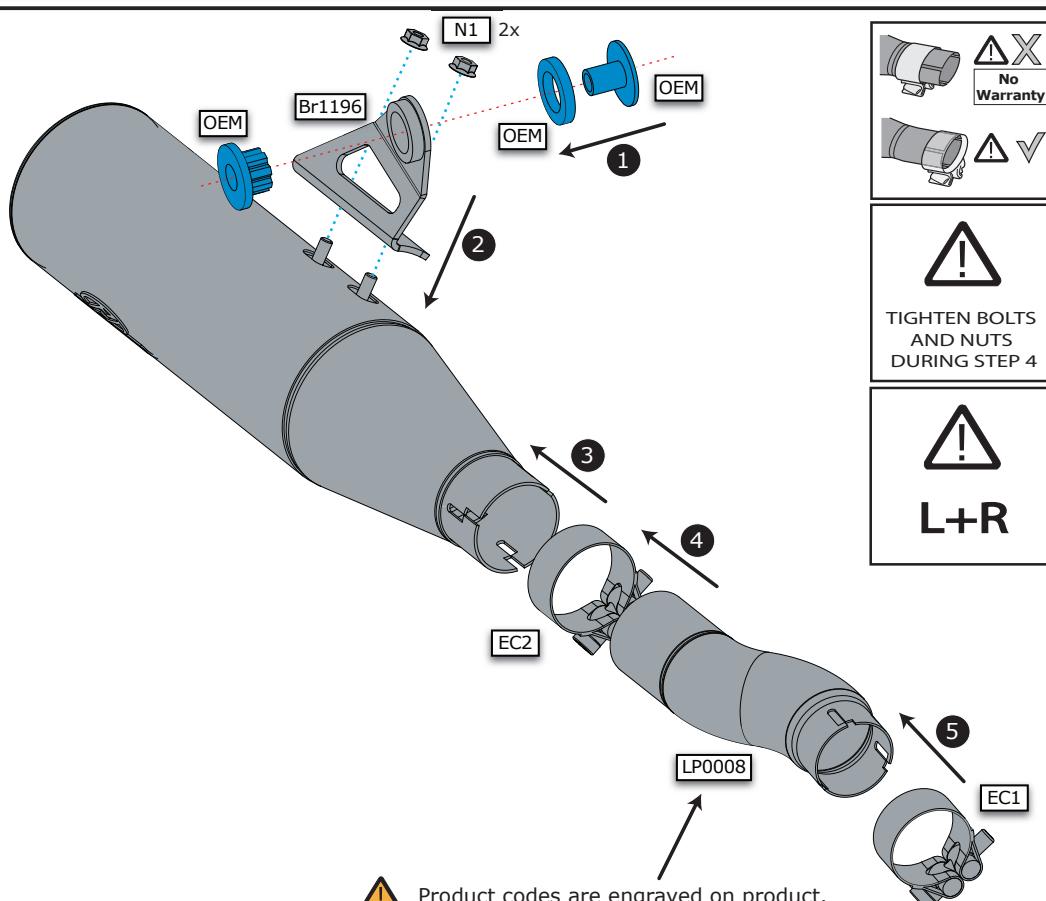


3



Items required

- 2x EC1
- 2x EC2
- 4x N1
- 1x Br1196 RIGHT
- 1x LP0008 RIGHT
- 1x Br1197 LEFT
- 1x LP0007 LEFT
- 2x OEM
- 2x OEM
- 2x OEM

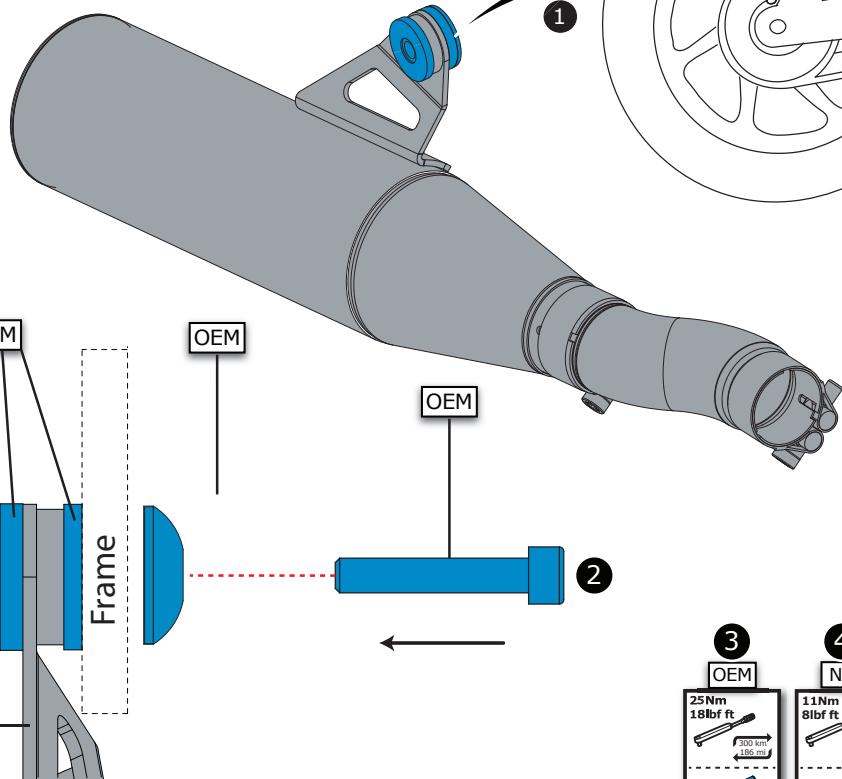


Product codes are engraved on product.

4

Items required

2x  OEM  
2x  OEM  
2x  OEM



3 OEM  
25 Nm  
18lbf ft  
300 mm  
196 mil  
1x

4 N1  
11Nm  
8lbf ft  
300 mm  
196 mil  
2x

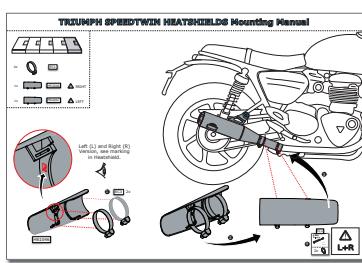
5 EC1  
25 Nm  
18lbf ft  
300 mm  
196 mil  
1x

6 EC2  
25 Nm  
18lbf ft  
300 mm  
196 mil  
1x

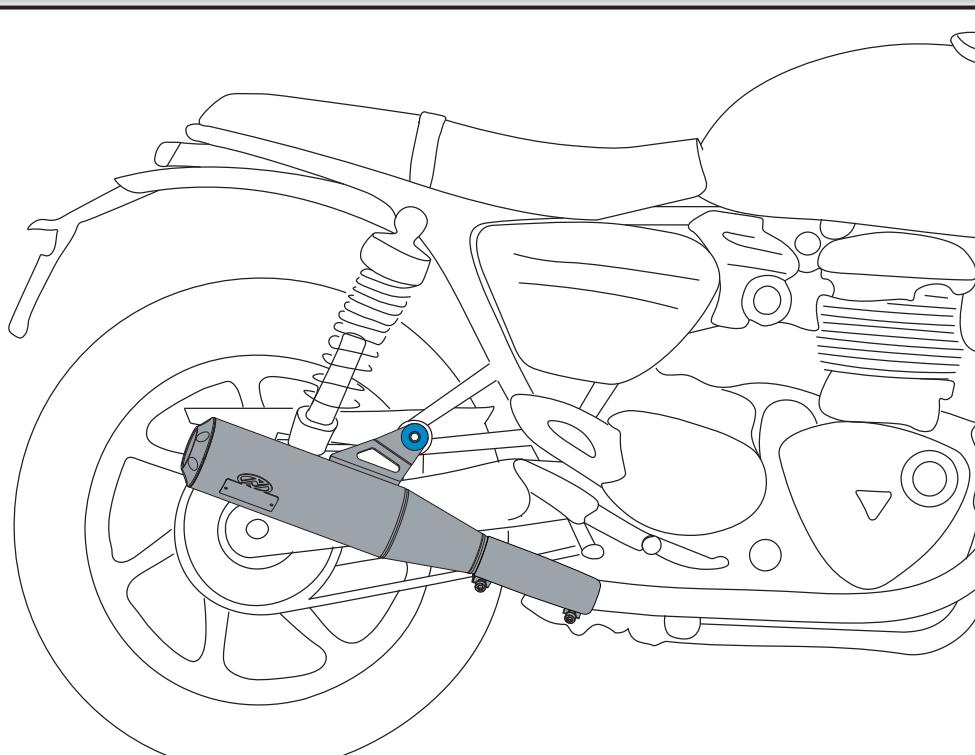
  
L+R

5

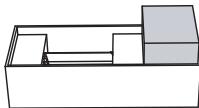
## Optional Heatshields



1x Heatshield manual



6

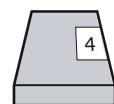


Items required

2x

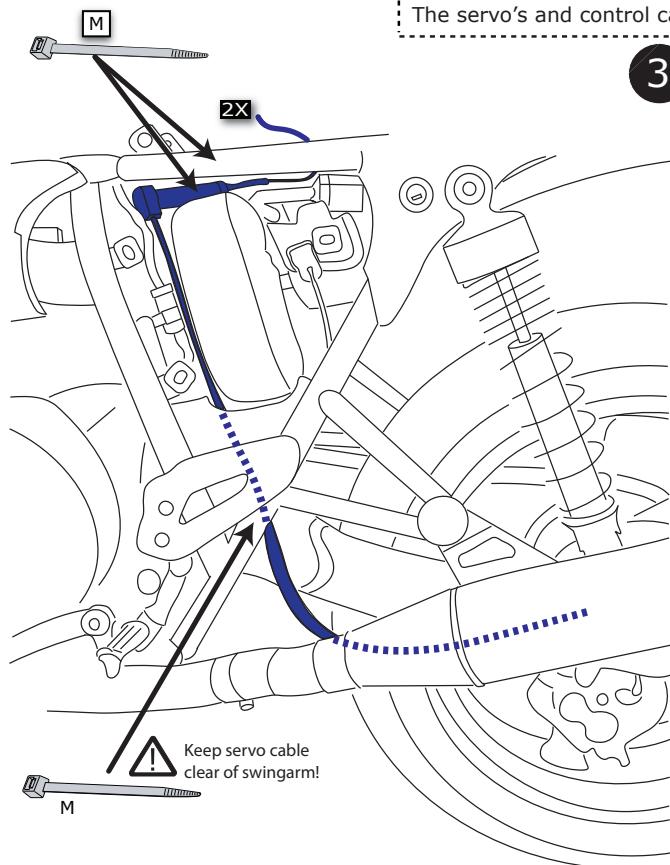
M

AND



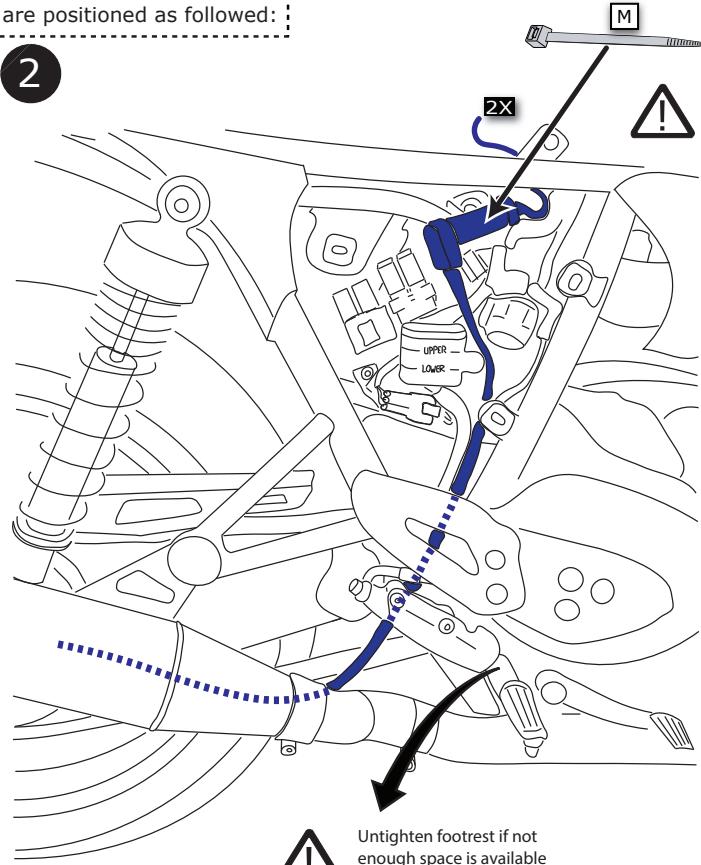
The servo's and control cable are positioned as followed:

3



LEFT

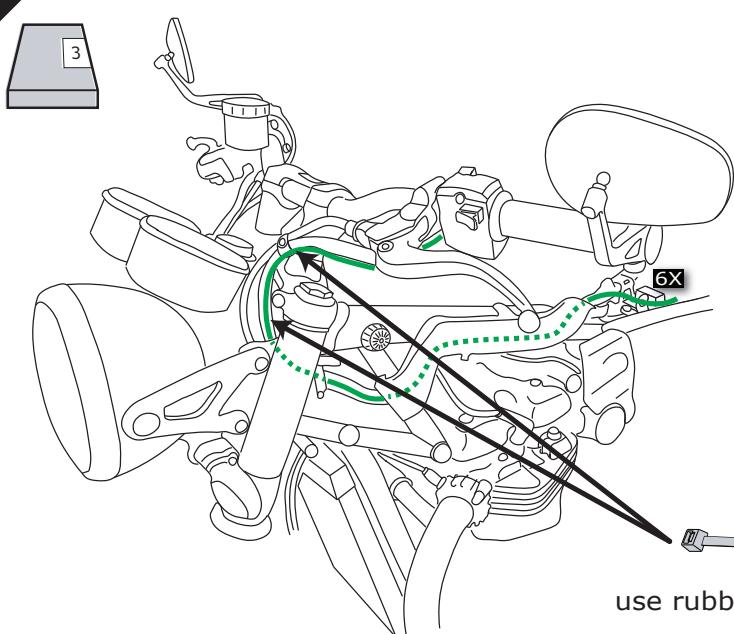
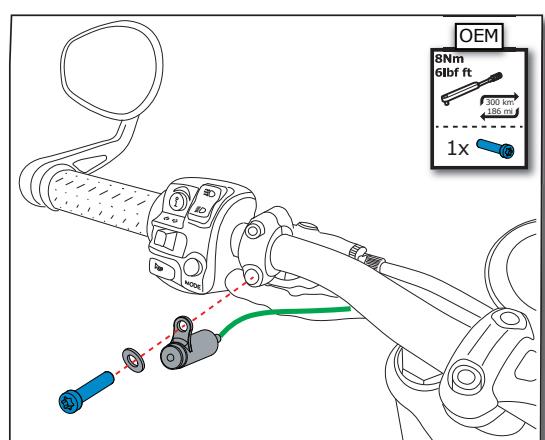
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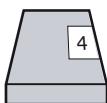
RIGHT

In reality all cables are black

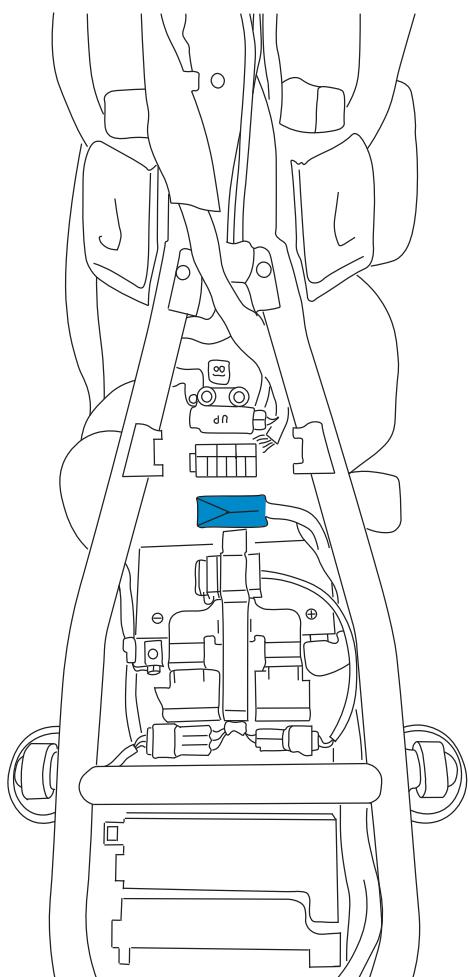
7

OR  
use rubber OEM straps

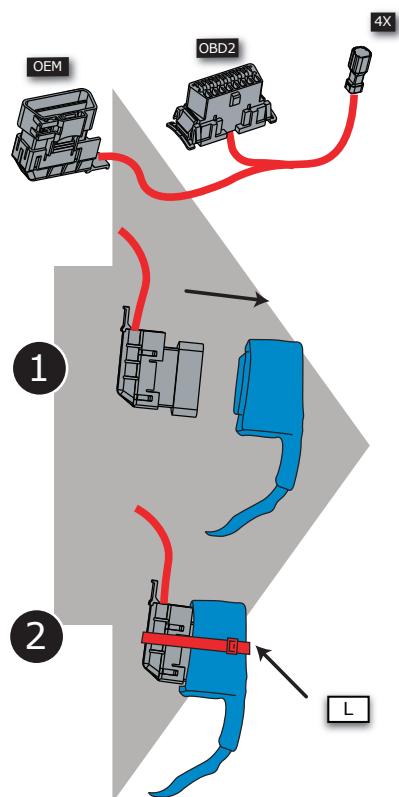
In reality all cables are black



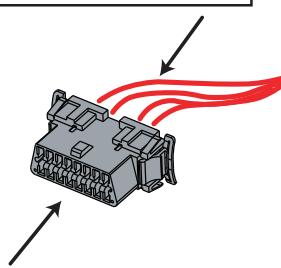
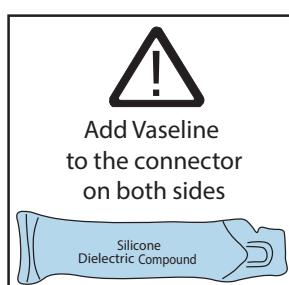
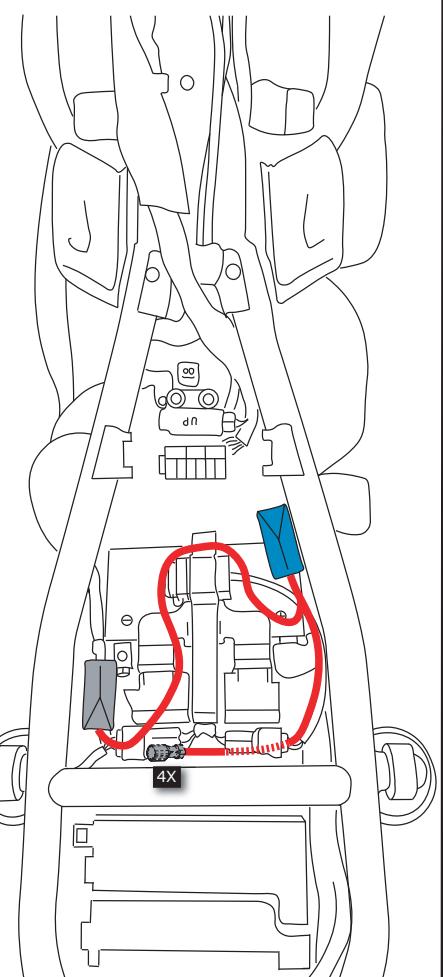
Current situation



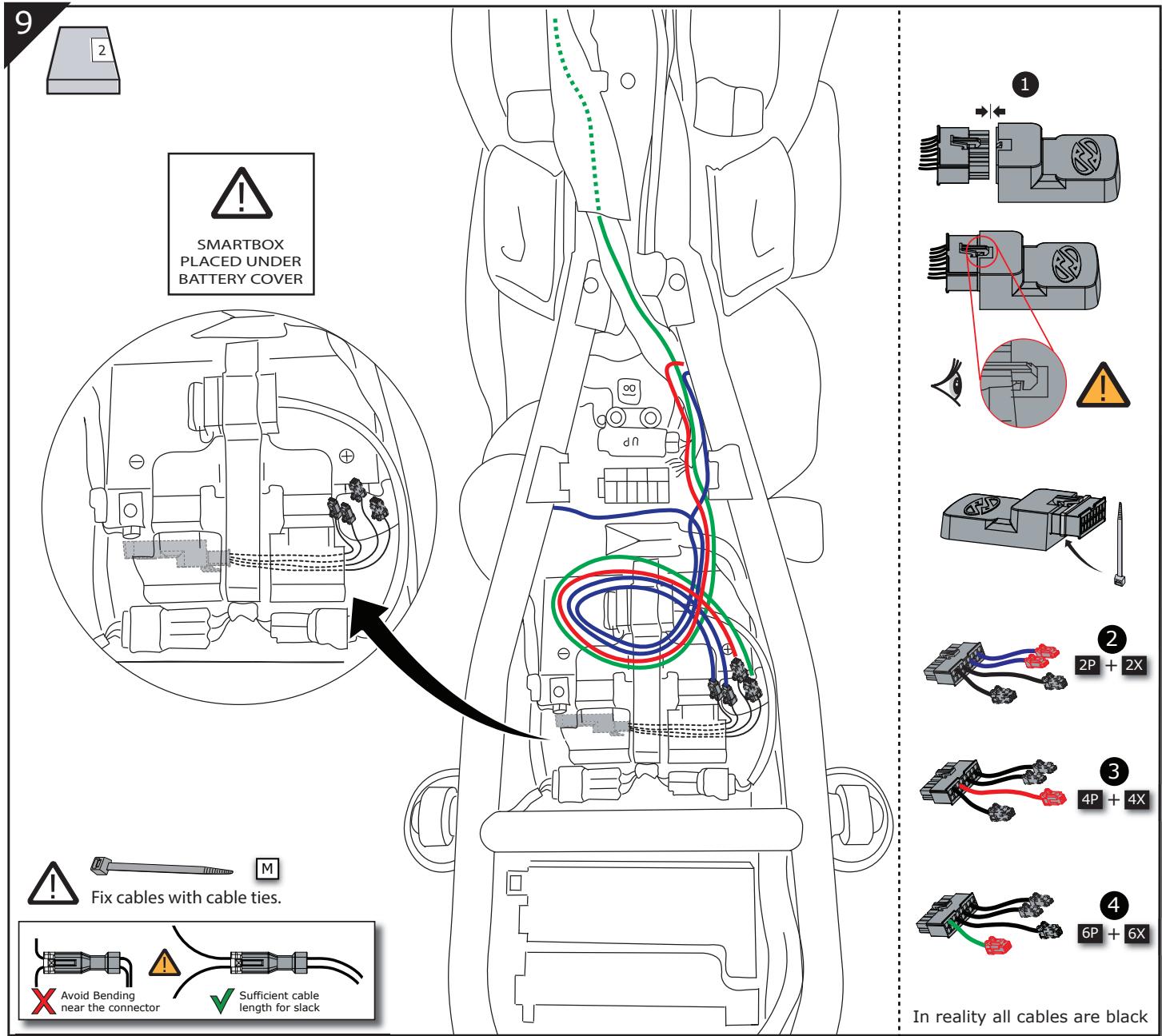
Connect control cable



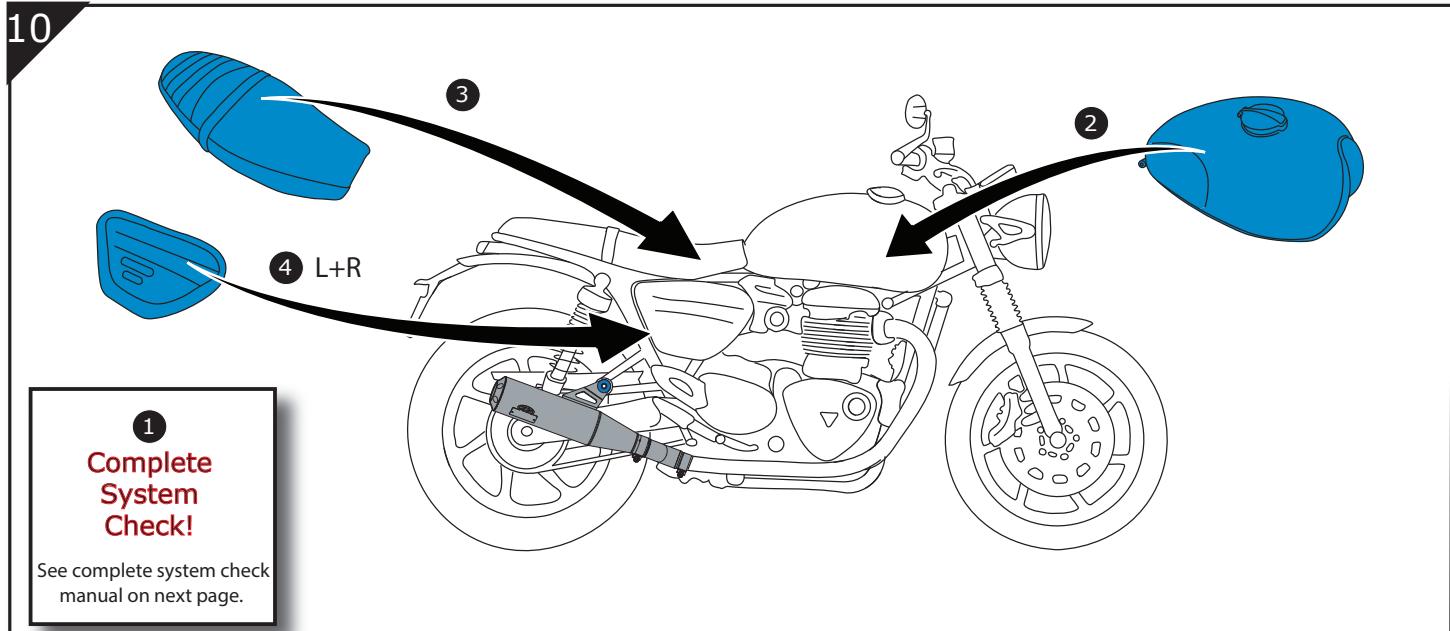
New situation



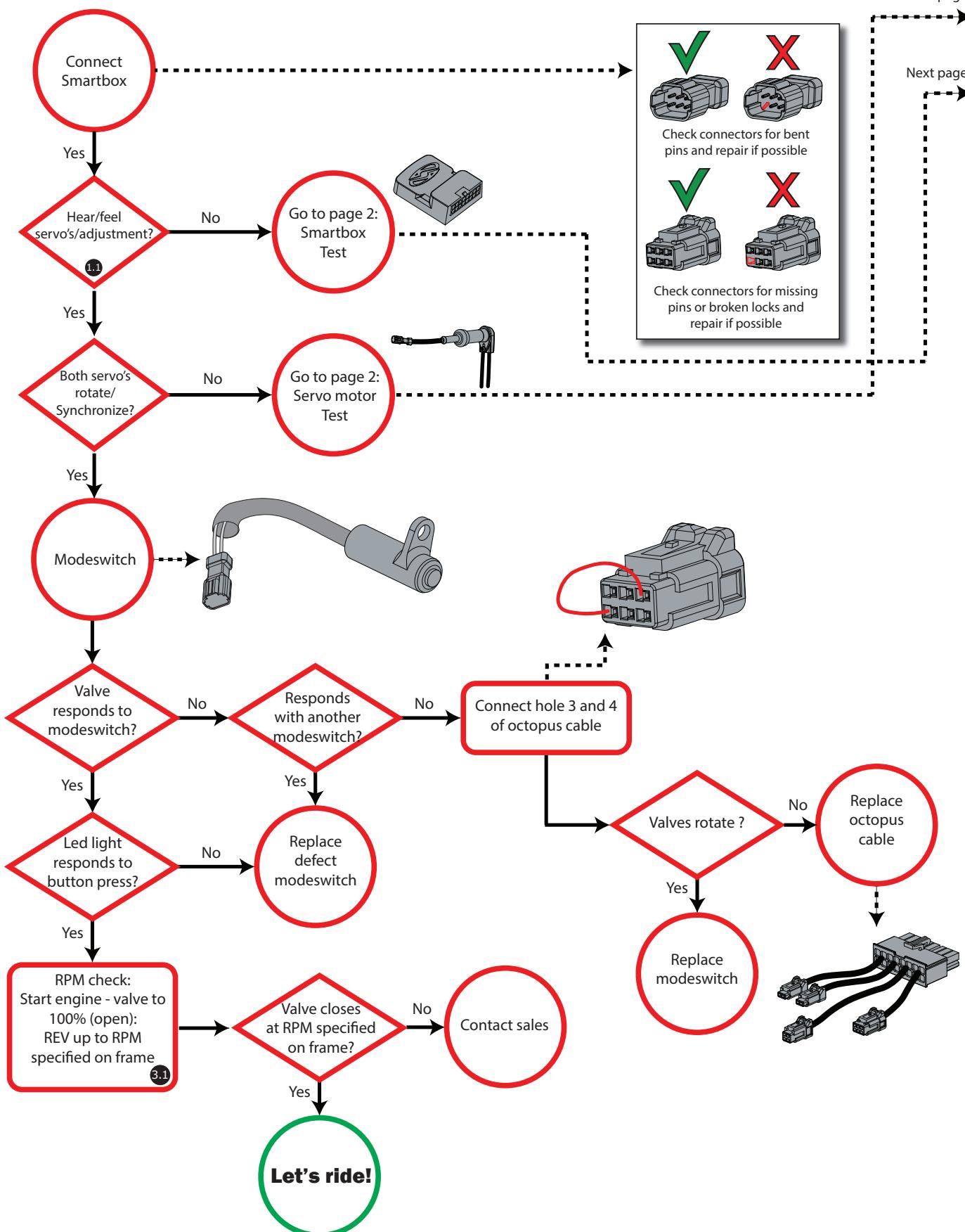
9



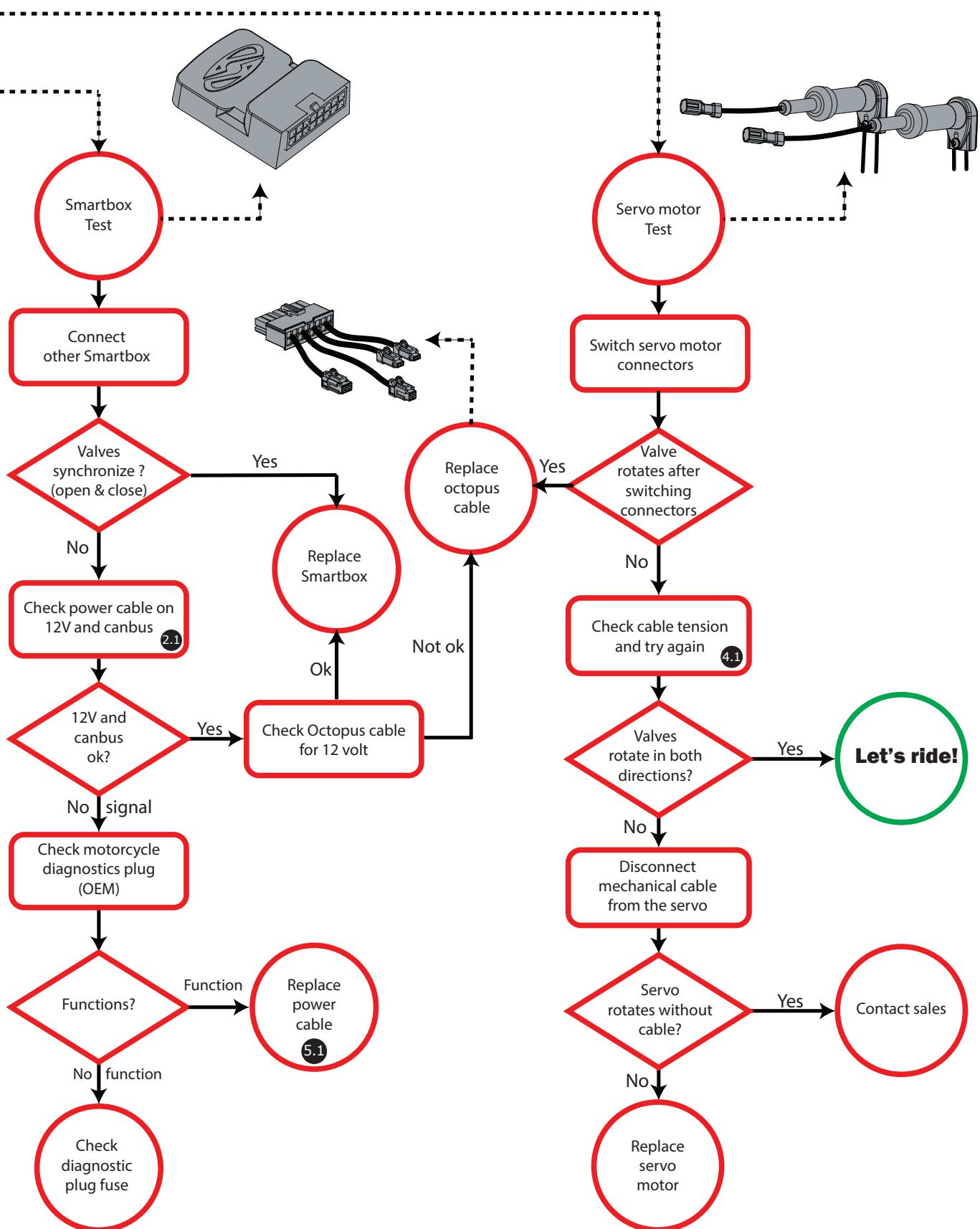
10



# Complete System check + Troubleshooter



## Complete System check + Troubleshooter



## INSTRUCTIONS

- 1.1 What happens during initialization and when does the system initialize?

When starting the motorcycle the servo's will always initialize to a closed state. This is noticeable (hear/feel), even when the valves are in a closed state.

- 2.1 Check power cable and or canbus

Power voltage: + and - 12V,  
CAN bus voltage: CAN-High from 2.5V to 3.5V, CAN-Low from 2.5V to 1.5V at rest are both 2.5V.

- 3.1 RPM specifications

This specific RPM window is mentioned on the sticker on the frame. For this test first start the bike and press the button to open the valve to 100%. Then go to the RPM window and the smartbox should react on this by closing the valve. Sometimes it is hard to keep the bike in the indicated window.

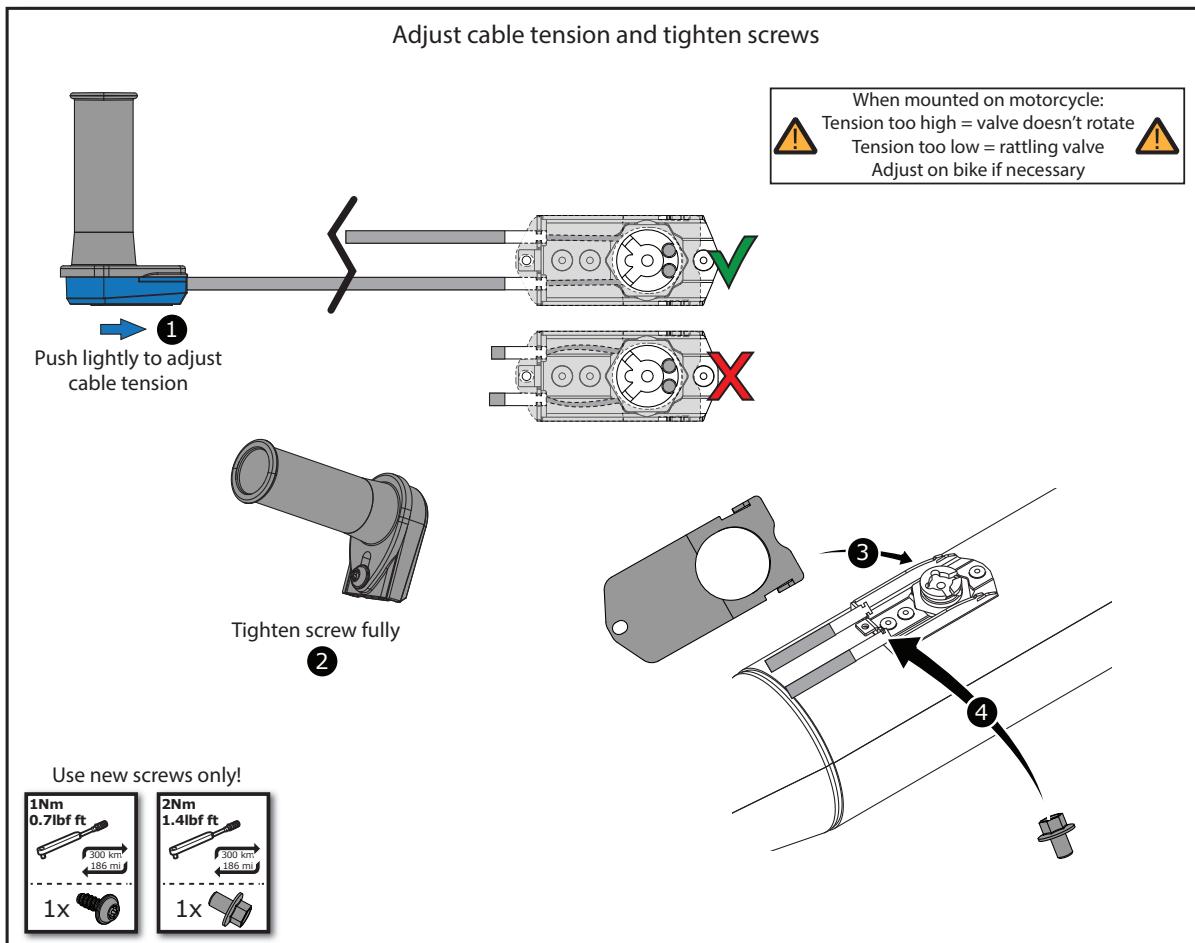
- 4.1 Cable Tension

Check the cable tension to see if it is right:

Valve doesn't rotate -> Cable tension too high

Valve makes a rattling Noise -> cable tension too low

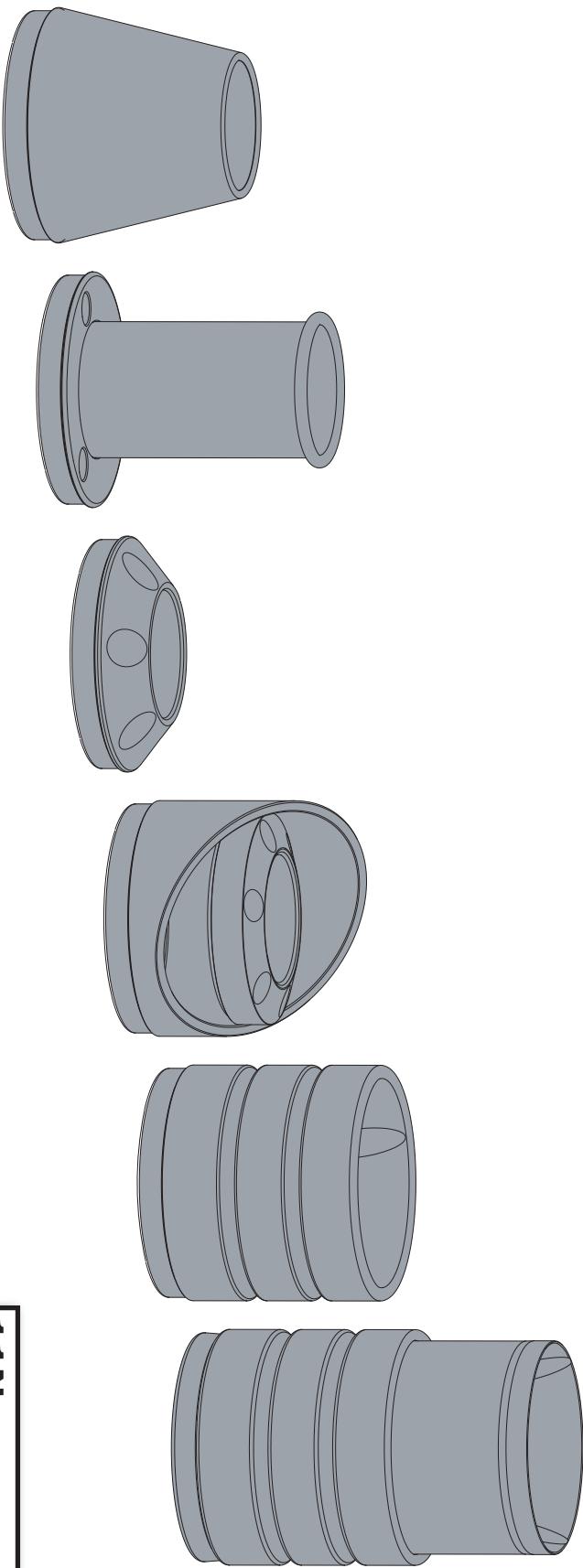
Valves  
rotational  
direction uneven?  
Adjust mechanical  
cable



- 5.1 The power cable may vary for different brands and models of motorcycles.

# End Cap Torque Tightening Manual

1



Check that the end cap screws are tight and **tighten** them if **necessary**:

- 300 km after the initial installation of the exhaust
- During every service interval

(applicable to all endcap models)

