



SN.

Dr. Jekyll & Mr. Hyde®

THE EXHAUST

MANUAL : TRIUMPH® | SMARTBOX 2

NEW IN THIS MANUAL:
- SMARTBOX CONTROL CABLE



Thruxton RS

2020 » Up

Instruction
video

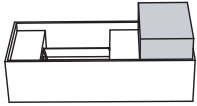


1

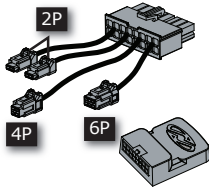
Triumph Thruxton

Smartbox 2

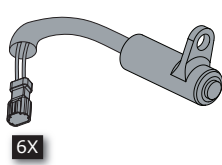
brackets / linkpipes / clamps and mounting parts.



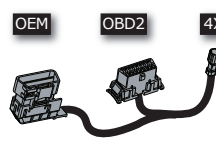
2 Smartbox 2



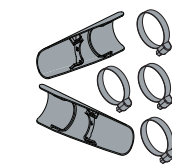
3 Mode Switch for Smartbox



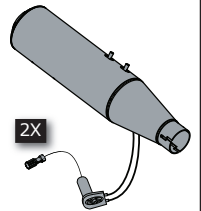
4 Smartbox Control Cable



5 Optional Heatshields



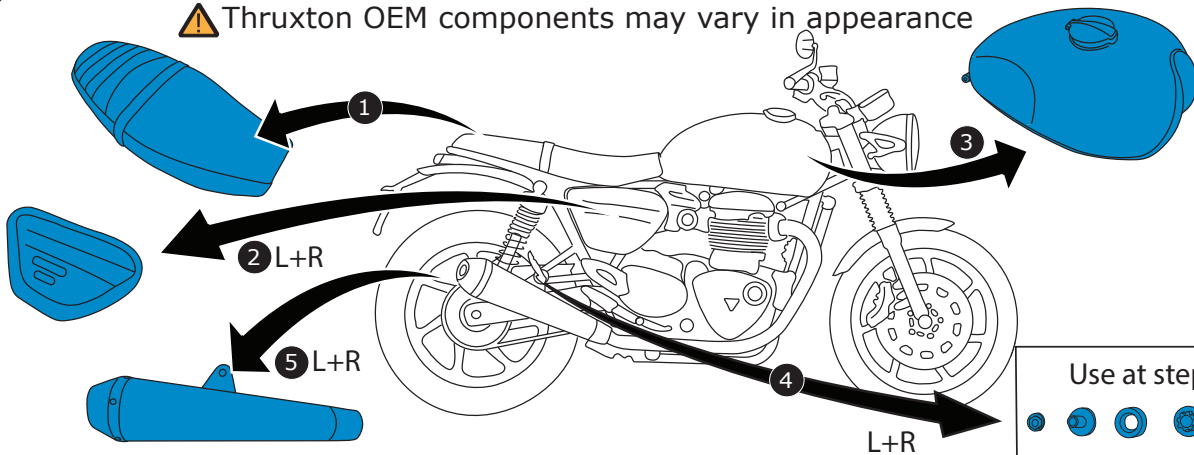
Exhaust/Cable /Servo System



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

2

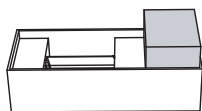
⚠ Thruxton OEM components may vary in appearance



Use at step 3 and 4

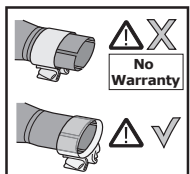
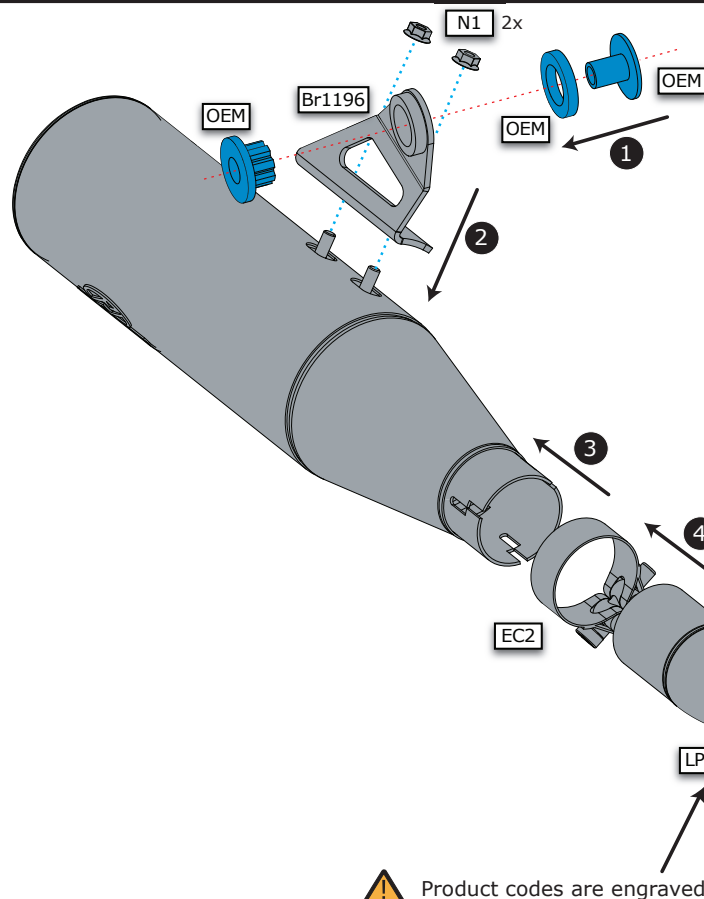


3



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

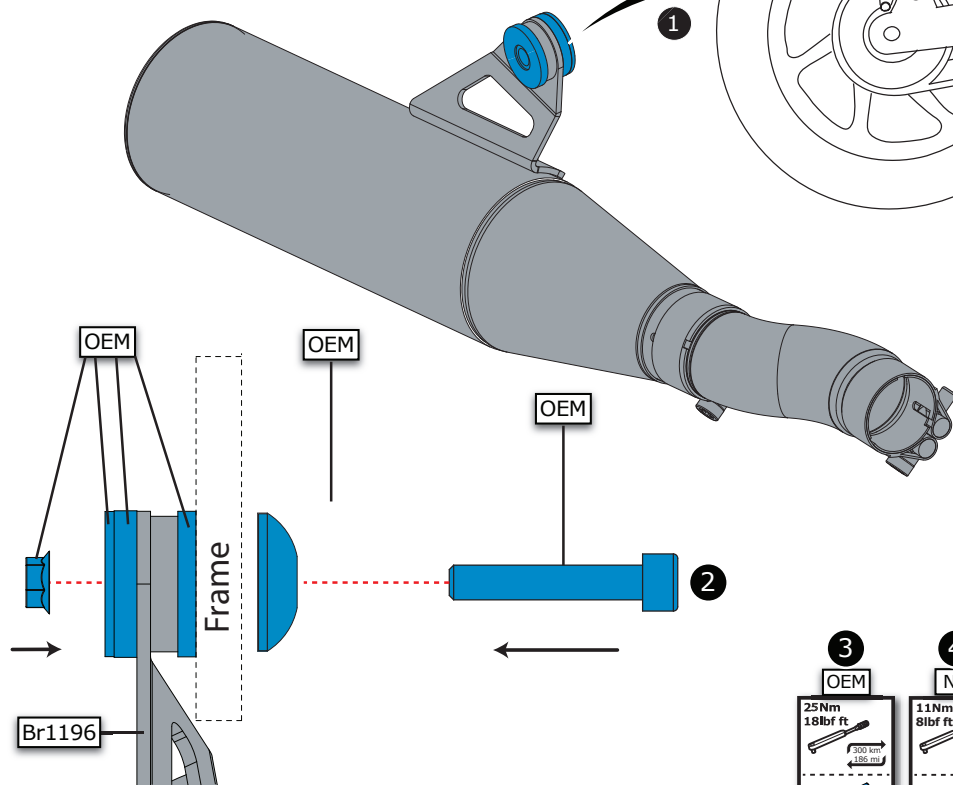










⚠ Product codes are engraved on product.

4

Items required

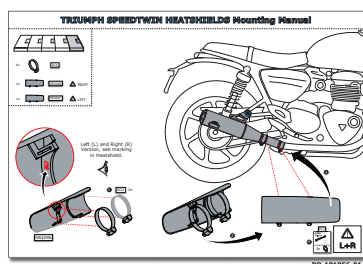
2x		OEM
2x		OEM
2x		OEM



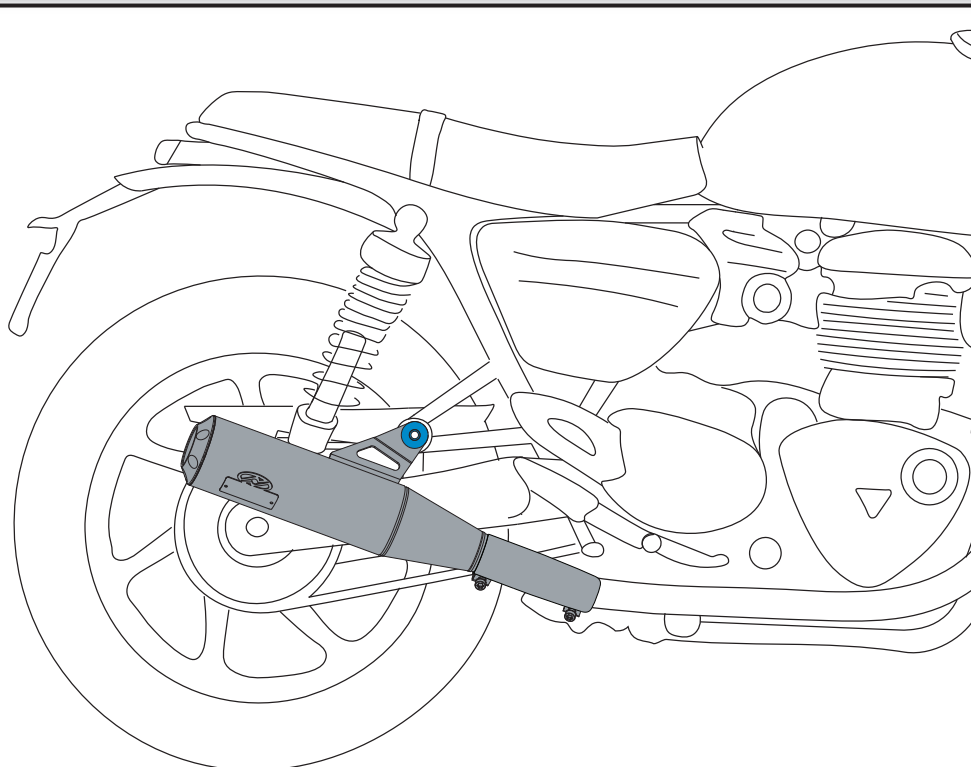
3 OEM	4 N1	5 EC1	6 EC2
25Nm 18lbf ft  300 km 186 mi	11Nm 8lbf ft  300 km 186 mi	25Nm 18lbf ft  300 km 186 mi	25Nm 18lbf ft  300 km 186 mi
1x 	2x 	1x 	1x 



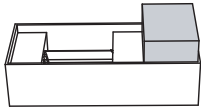
5

Optional
Heatshields

1x Heatshield manual



6



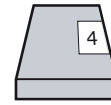
Items required

2x



M

AND

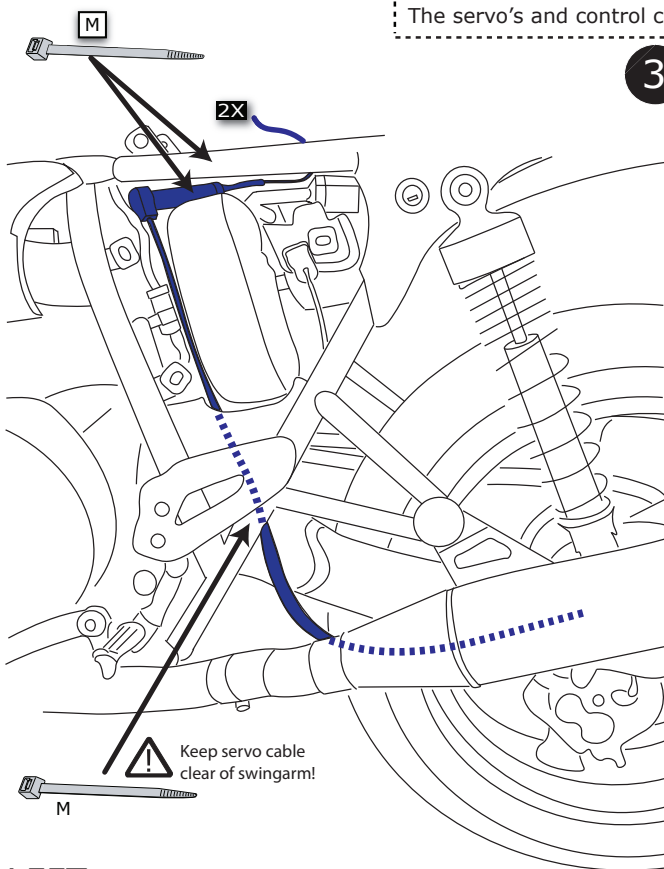


4

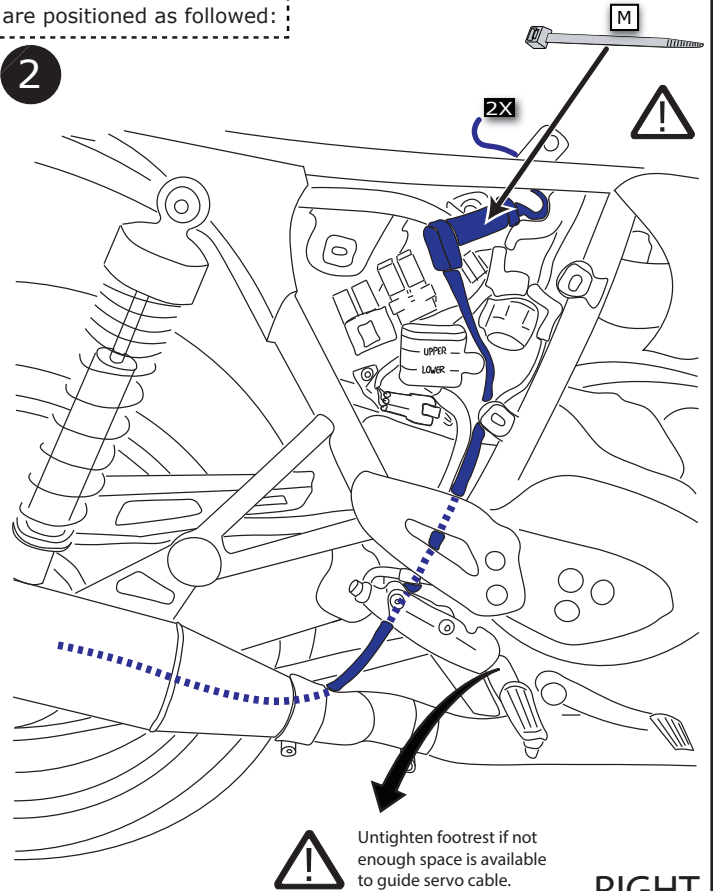
The servo's and control cable are positioned as followed:

3

2



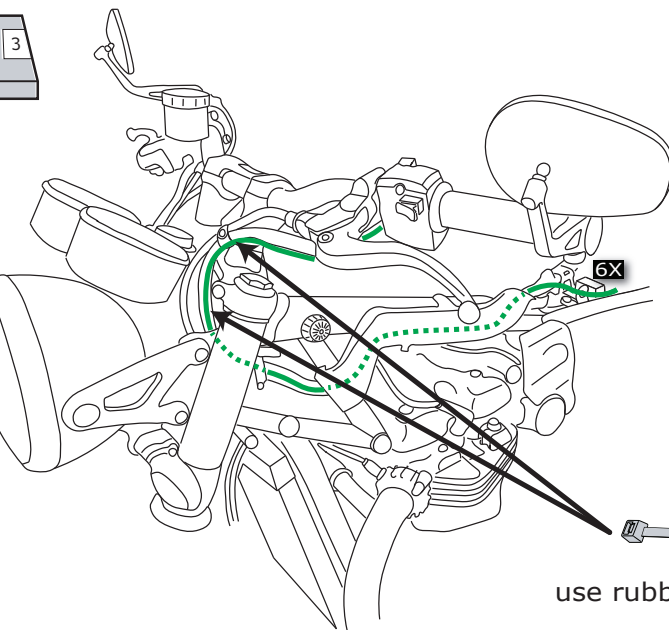
LEFT



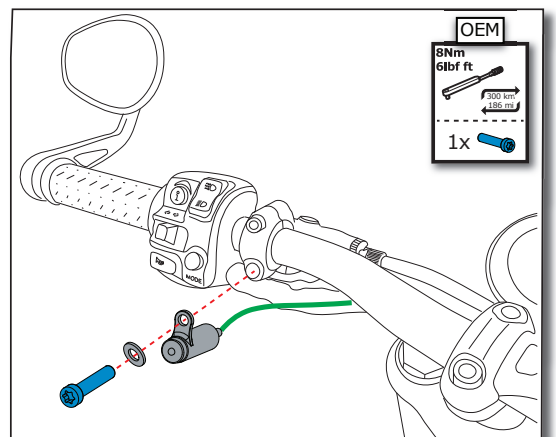
RIGHT

In reality all cables are black

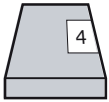
7



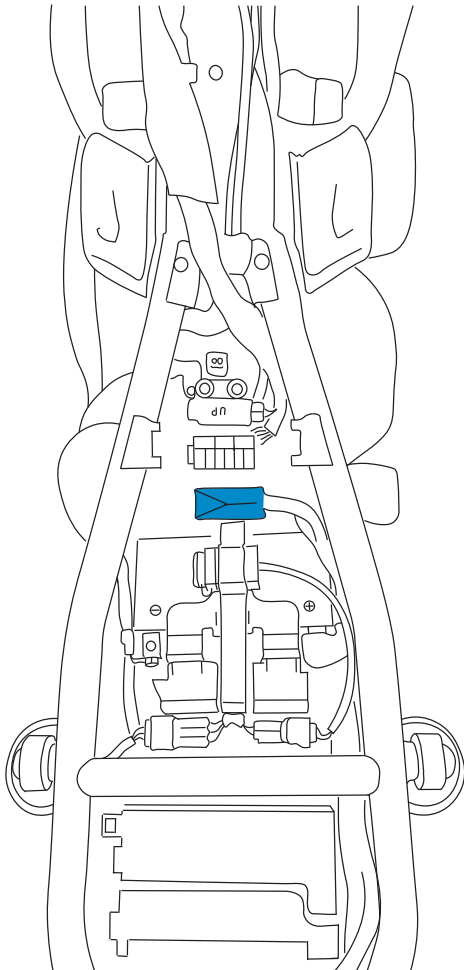
M

OR
use rubber OEM straps

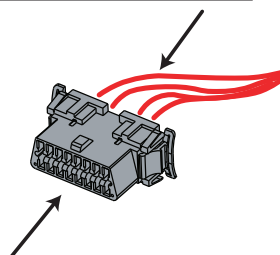
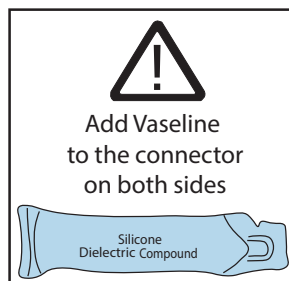
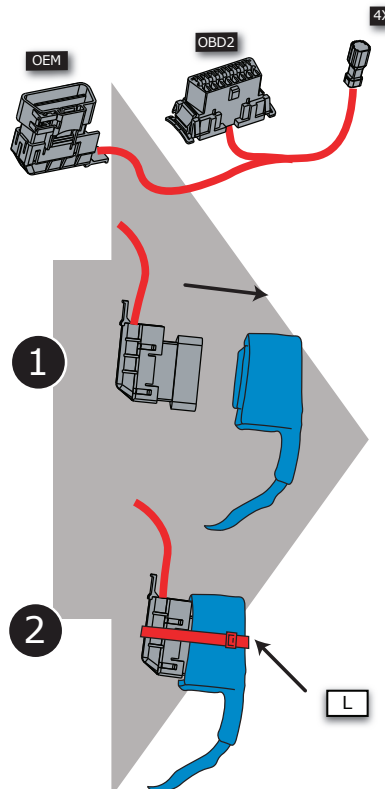
In reality all cables are black



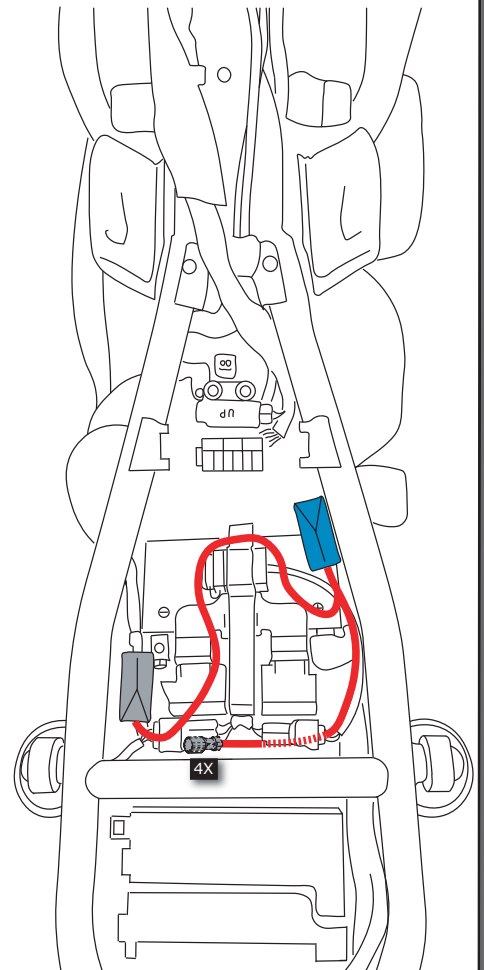
Current situation



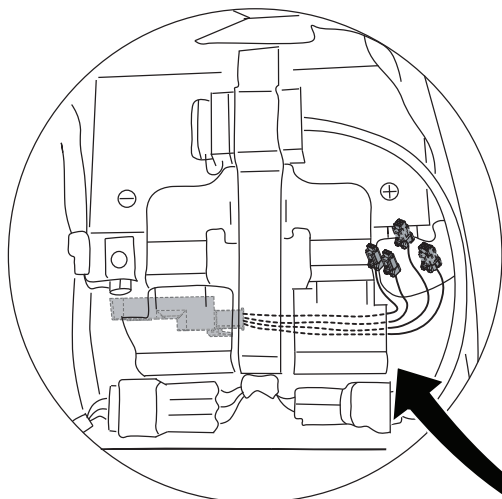
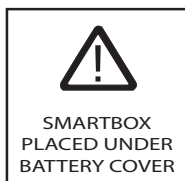
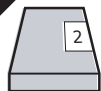
Connect control cable



New situation

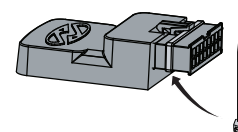
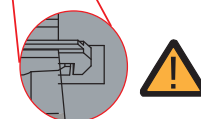
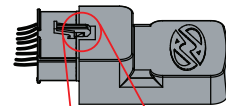
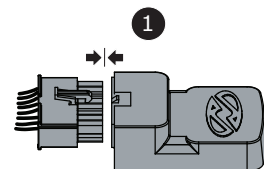
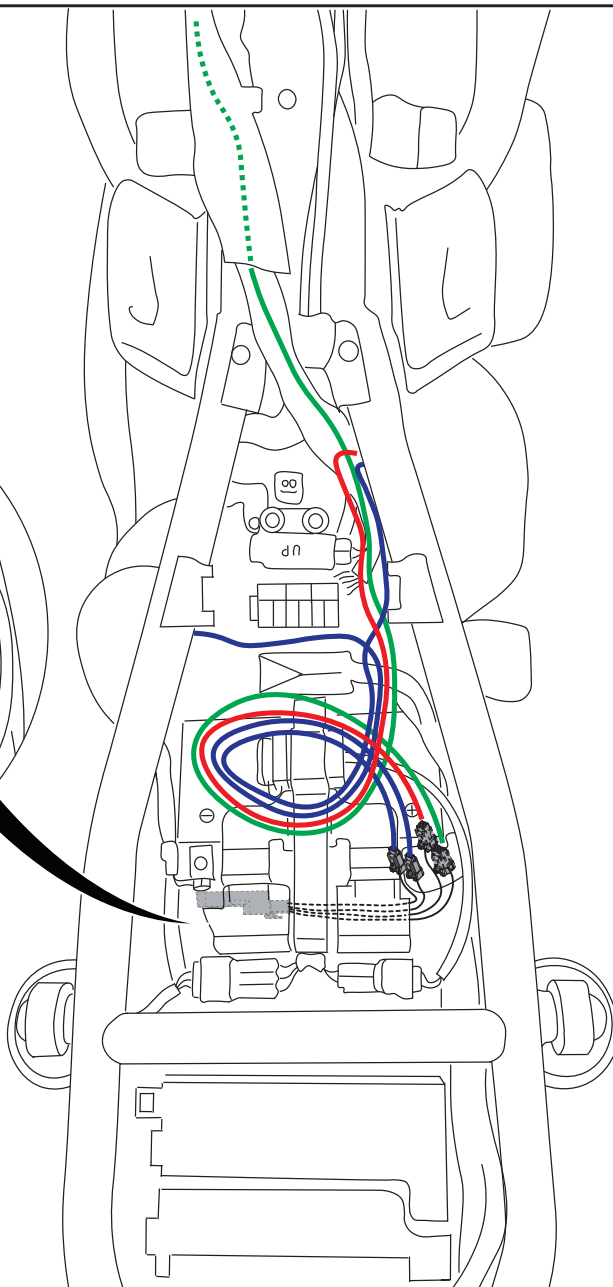
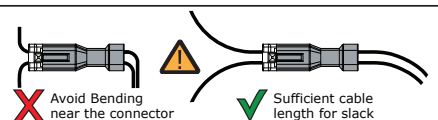


9



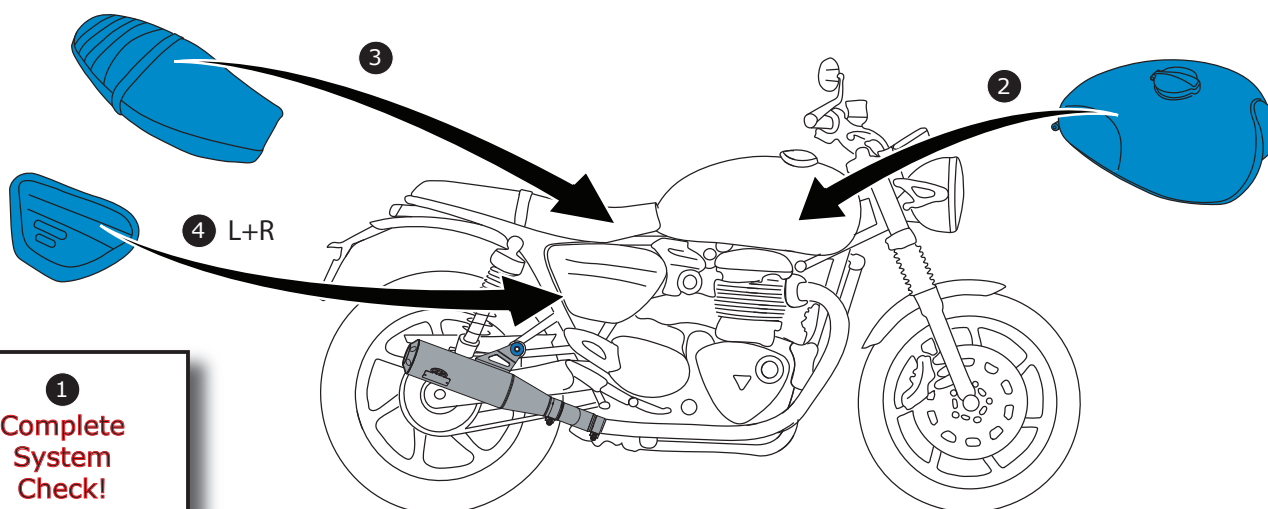
M

Fix cables with cable ties.



In reality all cables are black

10

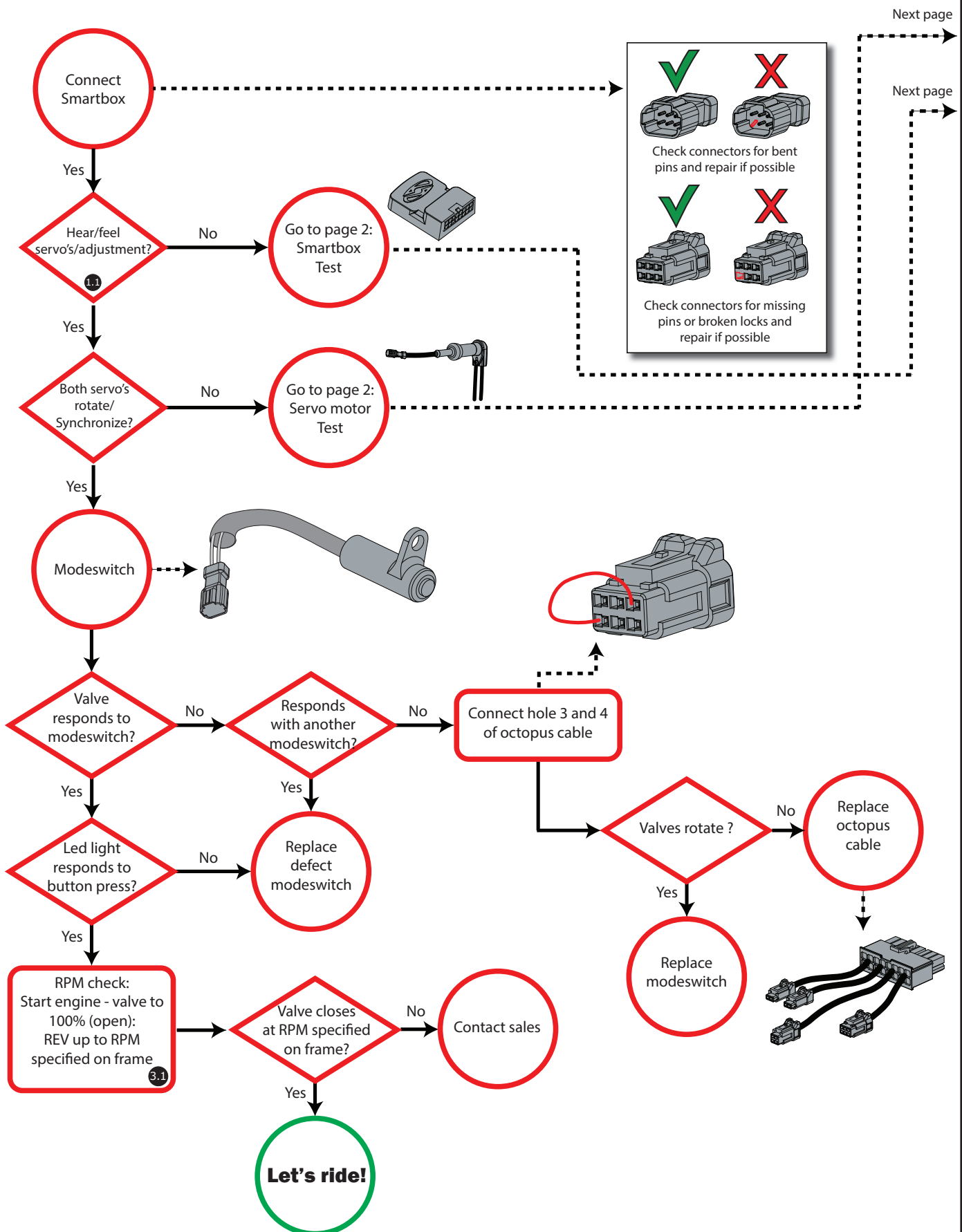


1

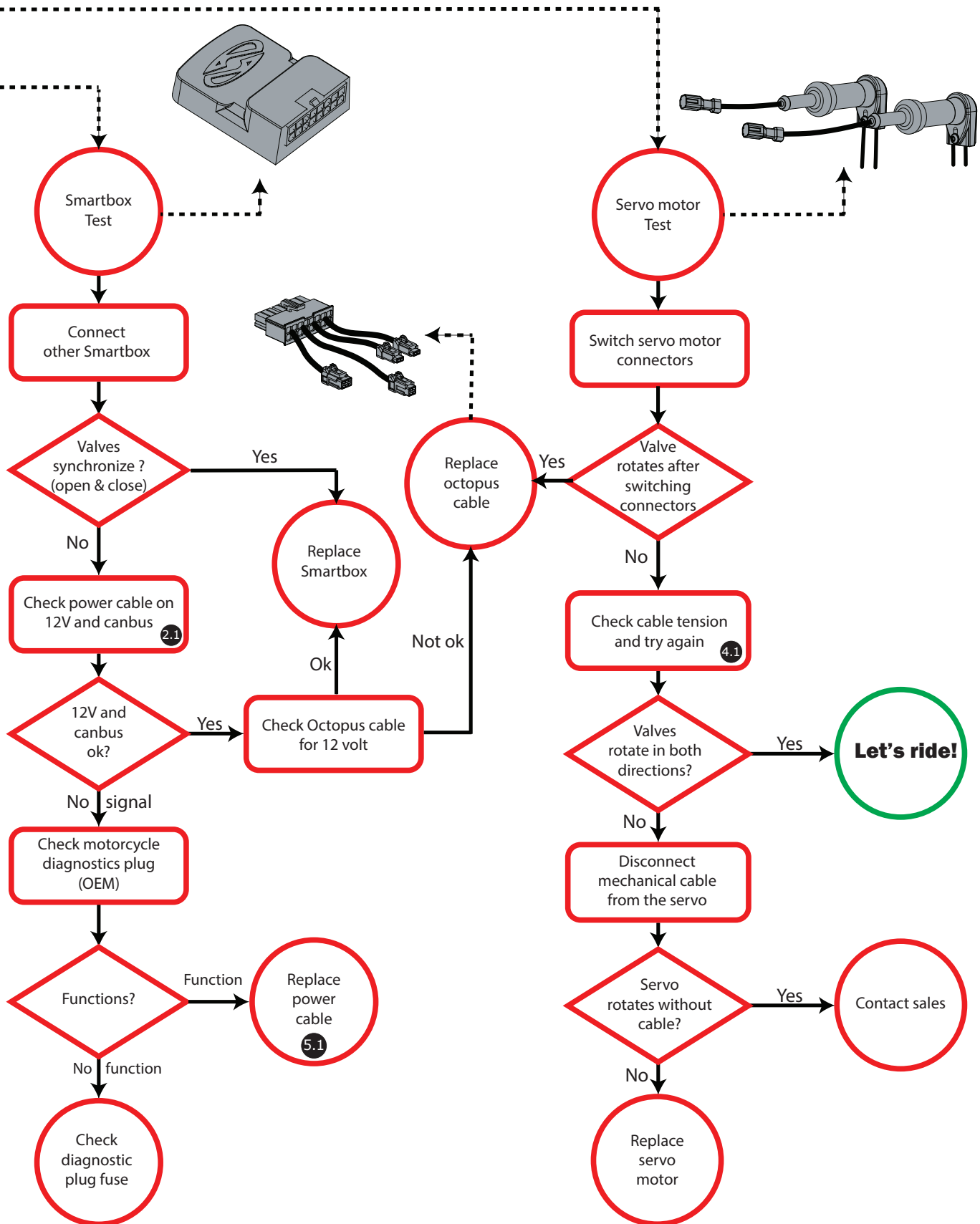
**Complete
System
Check!**

See complete system check
manual on next page.

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:

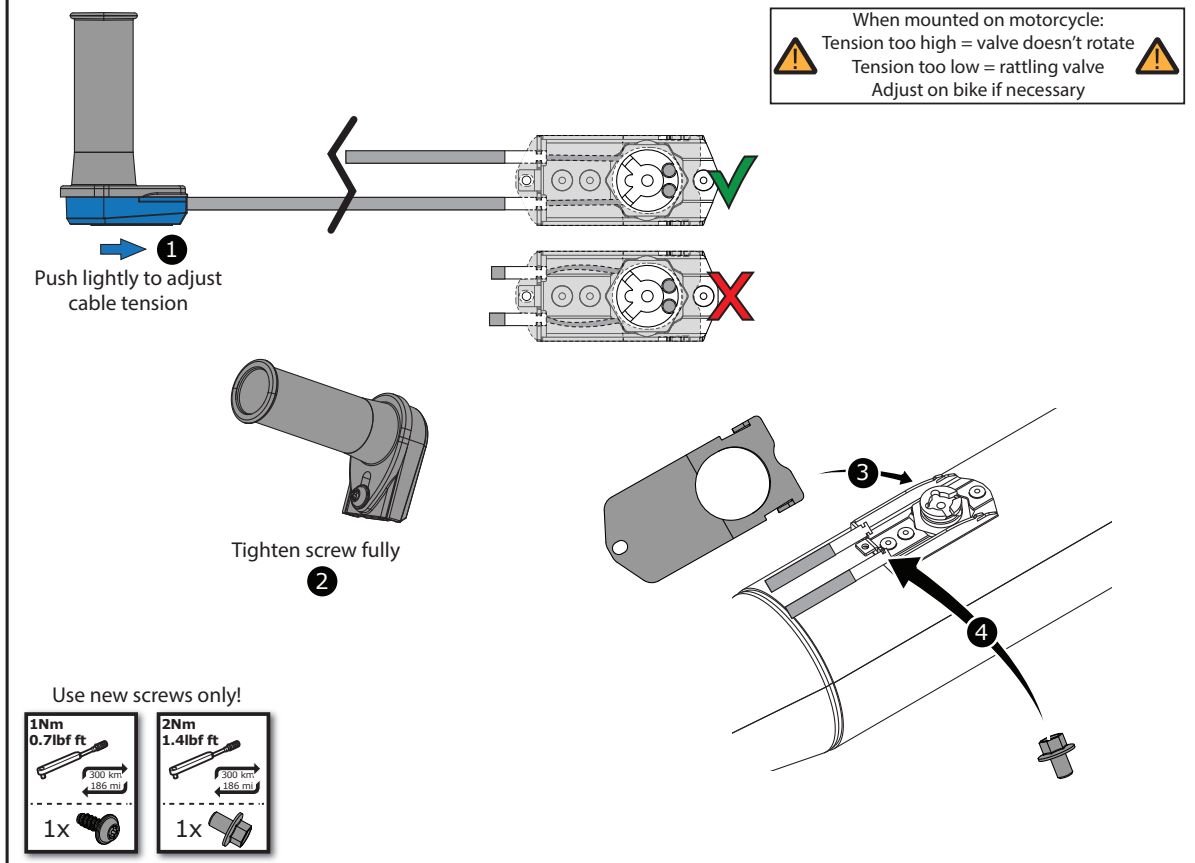
Valve doesn't rotate -> Cable tension too high

Valve makes a rattling Noise -> cable tension too low

Valves
rotational
direction uneven?
Adjust mechanical
cable



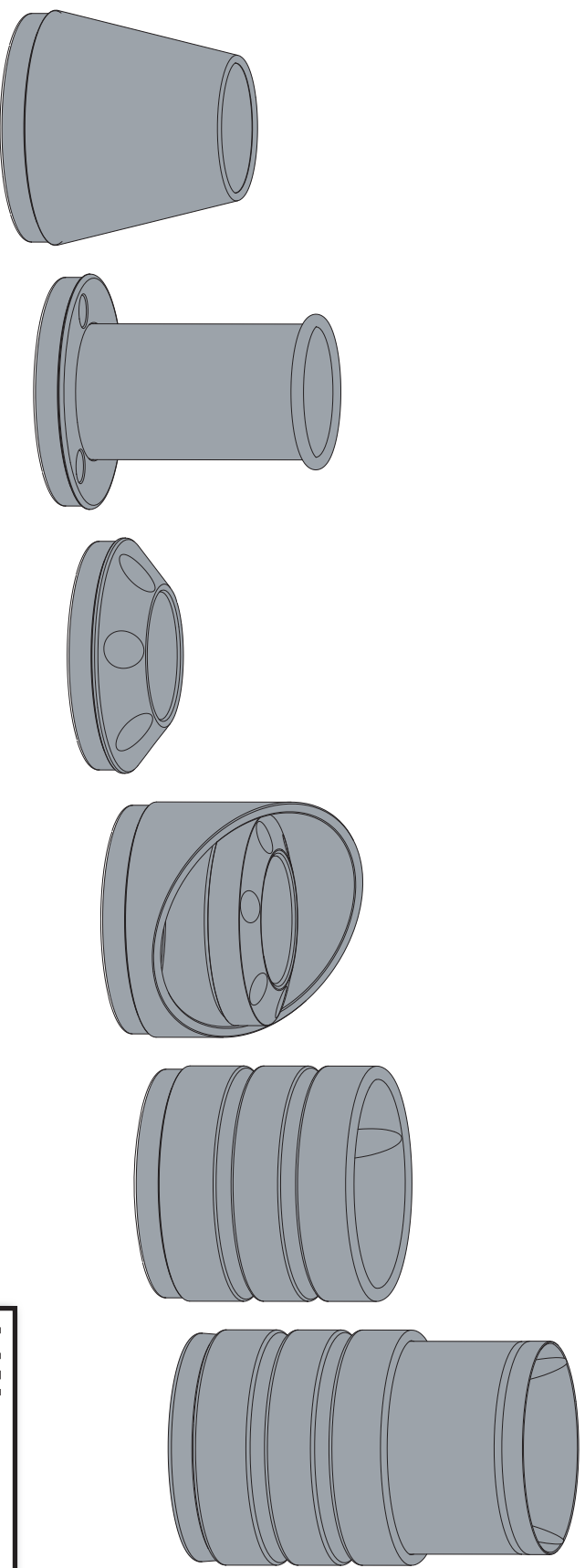
Adjust cable tension and tighten screws



- 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)

