

# M-Box Headset

Semi-Integrated Cable Routing System  
for **MTB** and **eMTB**

Head Tube Size:

Top TID. : Dia.56mm

Bottom BID: Dia. 56mm (1.5") or 66mm (1.8")



Top Cover



Top Cover Seal



Star Compression Ring



Double Seals  
Premium Bearing 45°



Upper / Lower Cup  
**by order**



Double Seals  
Premium Bearing 45°



Crown Race 45°



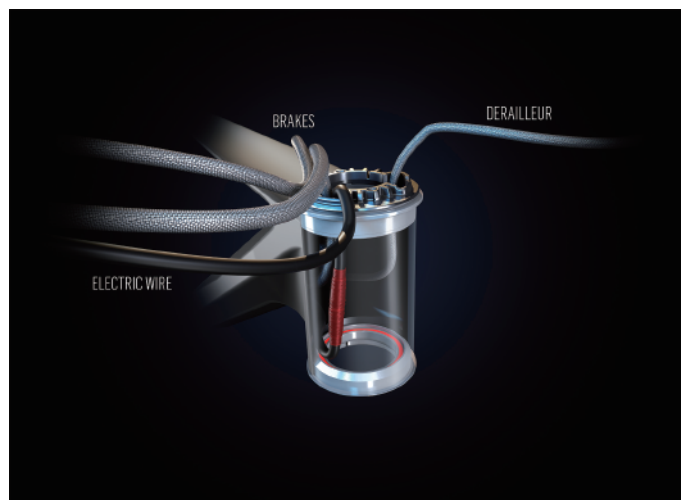
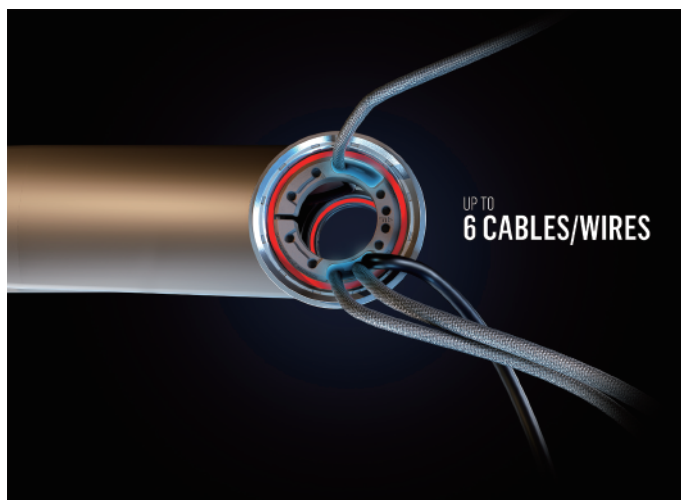


Intro



Installation info

# M-BOX



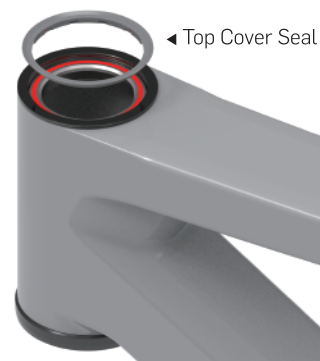
# M-BOX Installation Instruction

**01** The bottom headset cup should be installed before installing the M-BOX headset on the top of the headtube.

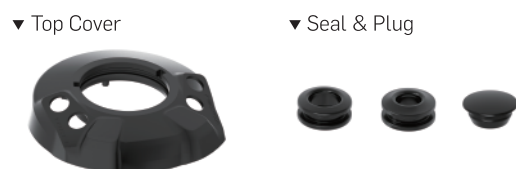
**02** Press the upper cup of the M-Box headset into the ZS56 head tube, then put the headset bearing in. Note the outer chamfer on the bearing should face down toward the upper cup.



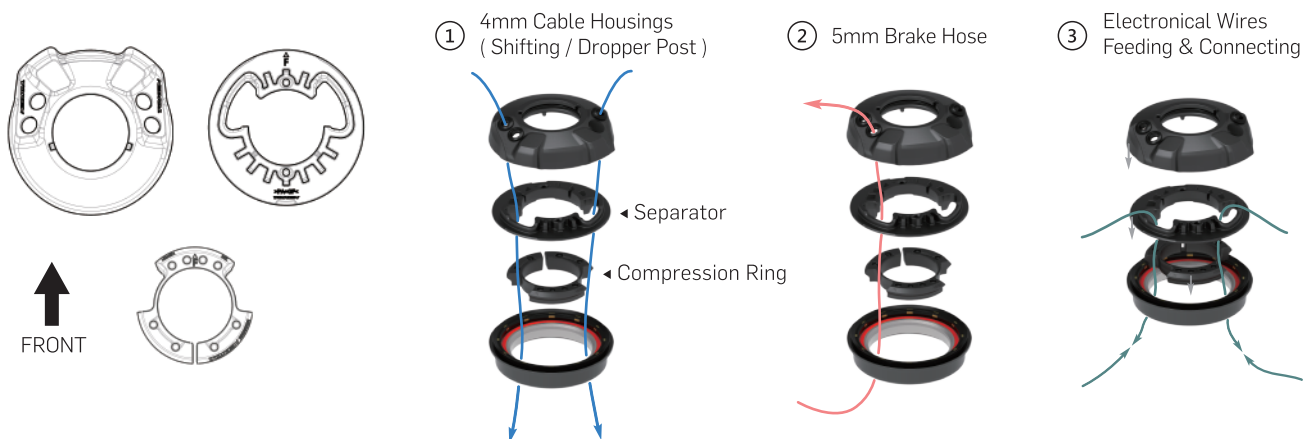
**03** Apply a thin layer of lubricant to the inner edge of the upper cup, then assemble the seal. The seal lip should be facing up.



**04** Assemble the proper housing seals ( grommets ) or port plug as needed onto the headset top cover.



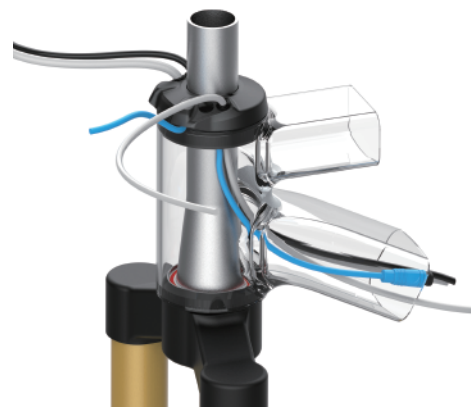
**05** Starting from the stiffer 4 mm cable housing then 5 mm hydraulic hoses, feed the cables through the headset top cover ( with housing seals assembled ) and the separator under it. Lubricate the cables slightly will make the process easier. Then, feed the electrical wires through the separator, and bend them downward for the next step.



**06** Complete the installation of the M-BOX headset – including the compression ring as shown on the right.

## NOTICE

- Be careful not to pinch the electrical wires.
- Electrical wires left outside of the headtube should be attached to hardcables (such as derailleur cable housing), handlebar or stem with fastener like cable tie or cable wrap. This prevents core rupture as well as the wire sliding in / out of the wire tunnel of the headset over time.



**07** Complete the installation of the fork, stem and headset compression device ( star nut or expander ) following the manufacturers' instruction.



# Cable Seal Options for Wide Compatibilities

TK155SP-5

5mm Cable Seal

TK155SP-4

4mm Cable Seal



TK355P-CHHC

TK155SP-5

5mm Cable Seal

TK155SP-4

4mm Cable Seal

TK155SP-5

5mm Cable Seal

TK155SP-6

Plug



TK355P-OHHO

TK155SP-5

5mm Cable Seal

TK155SP-6

Plug

TK155SP-5

5mm Cable Seal

TK155SP-6

Plug



TK355P-OHHC

TK155SP-5

5mm Cable Seal

TK155SP-4

4mm Cable Seal

TK155SP-5

5mm Cable Seal

TK155SP-4

4mm Cable Seal



TK355P-CHOC

TK155SP-6

Plug

TK155SP-4

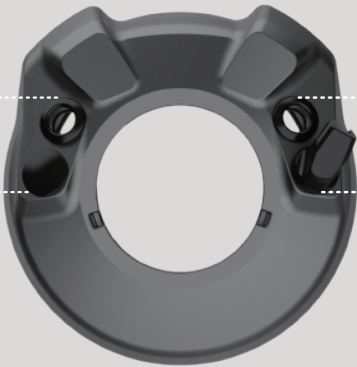
4mm Cable Seal

Cable seal for 5mm cable house  
and hydraulic brake line

TK155SP-5

TK155SP-6

Plug for covering unused ports



TK355P-OHHD

Cable seal for 5mm cable house  
and hydraulic brake line

TK155SP-5

TK155SP-7

Cable seal for Shi-Di2  
electronics wire



# M-BOX NEW

Most secure solution for MTB & eMTB with up-to 6 Cables/ Wires.

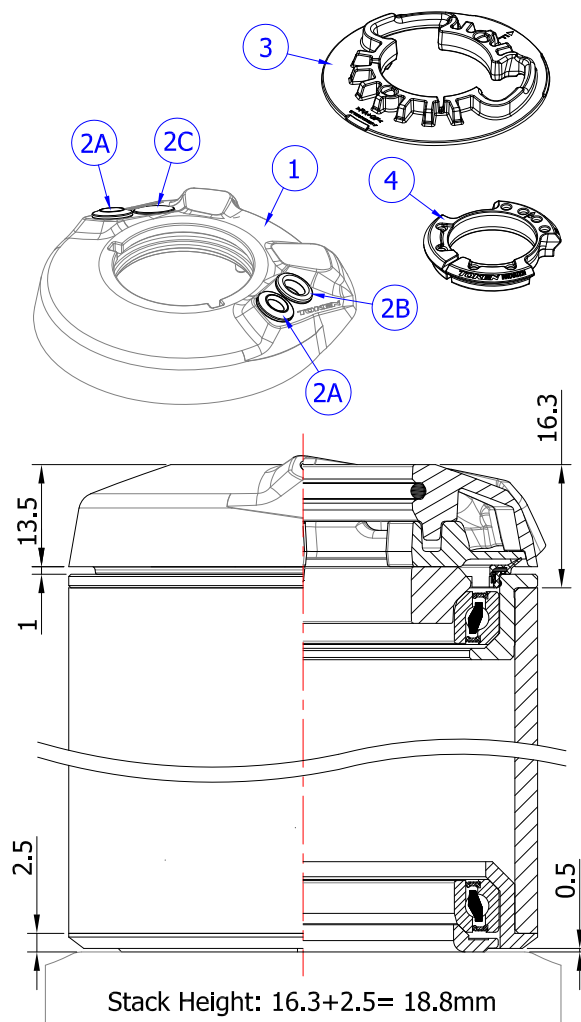
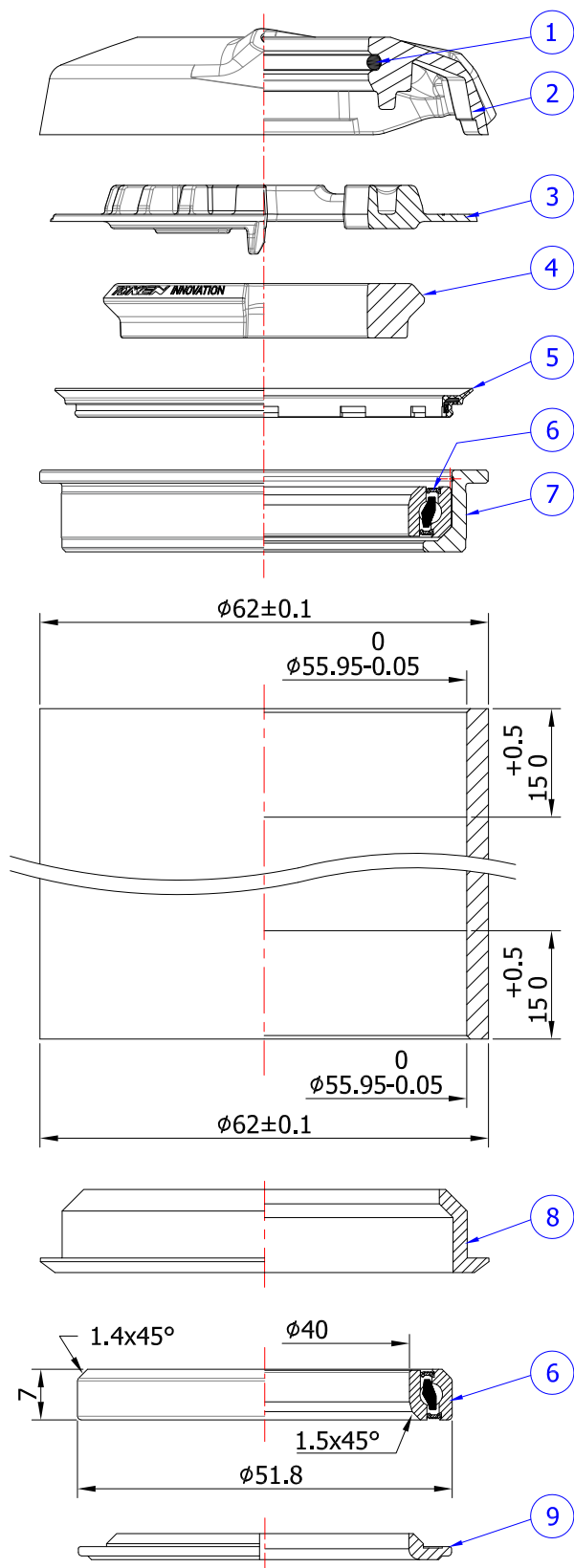
Work with Electronic Cable w/Connector. (Patented)

Compatible with Standard Stem & Bar.



## TK3566-COHC

M-Box Headset w/ Semi-Integrated Alloy Cups & Crown Race  
For  $\phi 4$  Cable Housing \*2 +  $\phi 5$  Brake Line \*1 plus Additional Wires

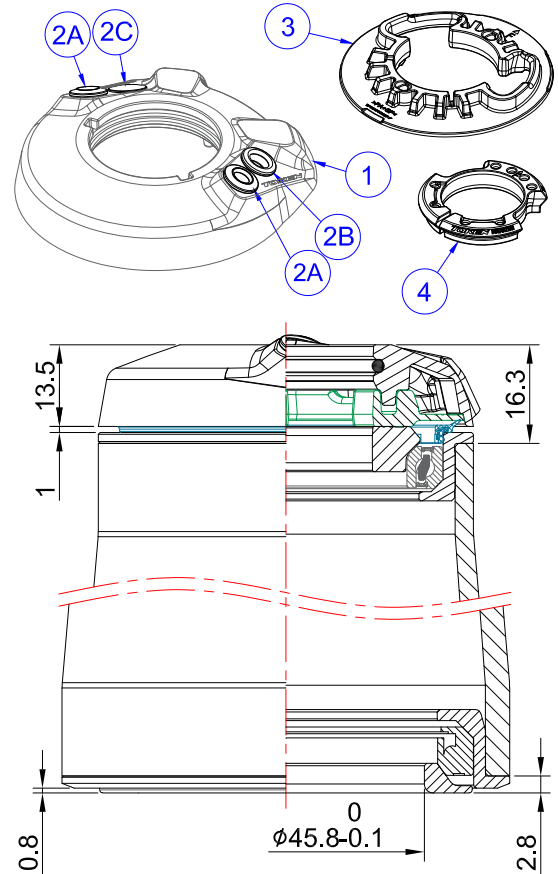
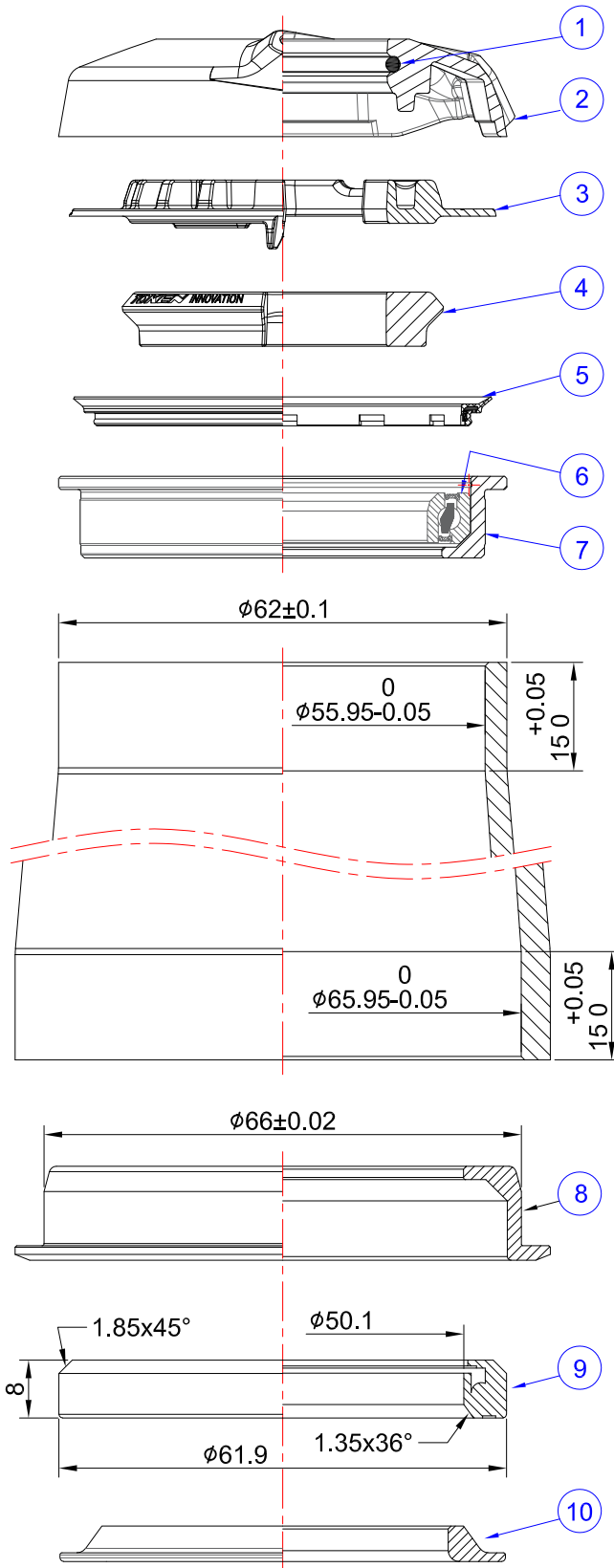


SHIS code: ZS56/28.6 | ZS56/40

No.	Item	Material	Drawing	Q'ty
1	O-ring	NBR	AS024	1
2	Composite Top Cover	Composite	TK355-1	1
2A	Housing Grommet 4mm	NBR	TK155SP-4	2
2B	Housing Grommet 5mm	NBR	TK155SP-5	1
2C	Port Plug	NBR	TK155SP-6	1
3	Separator	Composite	TK355-2	1
4	Compression Ring	Composite	TK155M-3	1
5	Seal	SPCC+NBR	TK355-4	1
6	Premium Bearing	Steel	ACB52H7/4	2
7	Upper Cup	Alu-Alloy	TK355-5	1
8	Lower Cup	Alu-Alloy	072-5	1
9	Crown Race	Alu-Alloy	TK1556-6	1
Unit: mm		Scale: 1:1		Revision: E 2022.12.26

## TK3586-COHC

M-Box Headset w/ 1.8" Semi-Integ'd Bottom HS Parts  
For  $\phi 4$  Cable Housing \*2 +  $\phi 5$  Brake Line \*1 plus Additional Wires



Scale = 0.8 : 1

- Fork Steerer: Taper 1-1/8" to 1.8"
- Stack Height: 16.3+2.8 = 19.1mm

SHIS code: ZS56/28.6 | ZS66/46

No.	Item	Material	Drawing	Q'ty
1	O-ring	NBR	AS024	1
2	Composite Top Cover	Composite	TK355-1	1
2A	Housing Grommet 4mm	NBR	TK155SP-4	2
2B	Housing Grommet 5mm	NBR	TK155SP-5	1
2C	Port Plug	NBR	TK155SP-6	1
3	Separator	Composite	TK355-2	1
4	Compression Ring	Composite	TK155M-3	1
5	Seal	SPCC+NBR	TK355-4	1
6	Premium Bearing	Steel	ACB52H7/4	1
7	Upper Cup	Alu-Alloy	TK355-5	1
8	Lower Cup	Alloy	TK188-5	1
9	Bearing	SUJ-2	ACB619	1
10	Crown Race	Alloy	TK188-6	1

Unit: mm

Scale: 1:1

Revision: B  
2022.12.26