ZT250-R（EURO/IV）

Service manual



2026/11/3

CONTENTS

Table of Contents Page

0 Table of Contents 1

1 FRAME&ELECTRONIC COMPONENT

1.1 Electronic parts component-1 6
Main wire harnessk,Dump switch,Relay,Flasher,Rectifier,Ignition coil

1.2 Electronic parts component-2 7
Shut-off switch,Horn

1.3 Frame plastic parts 8
Tuck loop,side cover circle rubber cushion,inner fuel tank fix rubber cushion

1.4 Steering rack component 9
Down connected plate

1.5 Frame,Side support,the operation of releasing engine oil 10
Side support,Frame drain bolt assembly

1.6 Rear pedal component 11
Rear pedal component

2 FRAME&ENGINE COMPONENT

2.1 Frame&engine component 12
Hanging piece,Bracket,Sprocket cover

3 INDUCTION SYSTEM COMPONENT

3.1 Induction system component 13
Throttle body module,Air filter,Oil pipe

3.2 Carbon Tank component 14
Carbon Tank ,Carbon Tank solenoid valve

3.3 Replace the air filter element 15

4 REAR FORKLIFT COMPONENT

4.1 Rear sub mudguard component 1 16
Dismantled rear sub mudguard component

4.2 Rear sub mudguard component 2 17
Sub-mud holder component after discomponent

4.3 Rear sub mudguard component 3 18

CONTENTS

Table of Contents Page

Sub-mud component after discomponent

4.4 Rear turn signal after sale parts…… 19

Rear left and right turn signals and rear license plate lights for sale

4.5 Rear mud board…… 20

4.6 Rear shock absorption…… 21

Demolition after shock absorption, rear shock absorption adjustment

4.7 Rear wheel component 1…… 22

Remove the rear rim component, sprocket seat, sprocket

4.8 Rear wheel component 2…… 23

Decomposed rear rim component

4.9 Rear fork component…… 24

Decomposed flat fork component

4.10 Replace the rear brake pads…… 25

4.11 Rear brake main pump adds brake fluid…… 26

5 PEDAL COMPONENT

5.1 Pedal height adjustment…… 27

Shift lever, brake pedal height adjustment

5.2 Right pedal support component-1…… 28

Dismantled right pedel support componet

5.3 Right pedal support component-2…… 29

Dismantled the right pedel support componet

5.4 Left pedal support component-1…… 30

Dismantled left pedel support componet

5.5 Left pedal support component-2…… 31

Dismantled the left pedel support componet

6 RADIATOR SYSTEM COMPONENT

6.1 Release the engine oil…… 32

6.2 The oil pipe near the frame…… 33

Dismantled the oil pipe near the frame

6.3 Radiator component-1…… 34

Dismantled the radiaor component

6.4 Radiator component-2…… 35

CONTENTS

Table of Contents Page

Decomposition of the radiaor component

7 FRONT FORK COMPONENT

7.1 Throttle/clutch cable clearance adjustment…… 36

Adjust the throttle line, clutch cable free travel

7.2 Replacement clutch cable…… 37

7.3 Replace the throttle line…… 38

7.4 Steering adjustment…… 39

Adiust steering device

7.5 Add brake fluid,adjust the swing arm…… 40

Add brake fluid,adjust the brake swing arm

7.6 Replace front brake block…… 41

7.7 Meter function description…… 42

7.8 Front tire component…… 43

Dismantled the front tire component

7.9 Front tire wheel speed sensor component…… 44

Dismantled the front tire wheel speed sensor component

7.10 Head parts component-1…… 45

Dismantled head parts component

7.11 Head parts component-2…… 46

Dismantled the front turning light and head light rear cover

7.12 Head cover upper parts component…… 47

7.13 Head light component …… 48

7.14 Meter component…… 49

Remove the instrument and instrument support

7.15 Left handle component…… 50

Remove rear left view mirror、Left hand rubber sleeve、Left hand rocker、Left switch

7.16 Right hand component…… 51

Remove right rear view mirror, right hand rubber sleeve, balance block

7.17 Handle bar ,upper connected plate component…… 52

Decomposition direction handle, pressure block, upper link plate, combination lock, front left and right shock absorption

7.18 Uplink plate, direction handle block component…… 53

Disassemble the direction of the block, the upper plate

7.19 ABS brake system-1…… 54

CONTENTS

Table of Contents Page

Dismantled the front brake calipers and ABS protection cover

7.20 ABS brake system-2…… 55

Dismantled the ABS control system component and the main pumb of disc brake

7.21 ABS brake system-3…… 56

Dismantled the rear brake calipers and discomposed the ABS control system component

8 8、FUEL TANK COMPONENT

8.1 Inner fuel tank component…… 57

Dismantled inner fuel tank component and cushion fixed block

8.2 Fuel tank middle cover assembly…… 58

Dismantled Fuel tank middle cover assembly

8.3 Fuel tank middle cover、Fuel tank cover、Fuel tank lock…… 59

Dismantled Fuel tank middle cover、Fuel tank cover、Fuel tank lock

8.4 Fuel tank left and right cover assembly…… 60

Dismantled Fuel tank left and right cover assembly

8.5 Inner fuel tank…… 61

Dismantled inner fuel tank and fuel pump

9 SIDE COVER COMPONENT

9.1 SIDE COVER COMPONENT…… 62

Dismantled SIDE COVER COMPONENT

10 REAR COVER、REAR MUDGUARD、ELECTRICAL DEVICE BOX COMPONENT

10.1 Rear handrail、Cushion lock bracket…… 63

Dismantled Rear handrail、Cushion lock bracket、Rear cover left limit bracket

10.2 Rear cover、Tail light assembly…… 64

Dismantled Rear cover、Tail light assembly

10.3 Battery、Electrical device box cover、ECU…… 65

Dismantled Battery、Electrical device box cover、ECU、Motorcycle tool

10.4 Electrical device box assembly…… 66

Dismantled Electrical device box assembly

10.5 Electrical component box component 1…… 67

CONTENTS

Table of Contents Page

Disassembled device box component, electric device box lower cover

10.6 Electrical component box component 2…… 68

Remove PKE, electrical box

10.7 External battery to start PKE system…… 69

Emergency method to turn on PKE after battery power is exhausted

11 CUSHION COMPONENT

11.1 Cushion…… 70

Dismantled cushion and cushion rubber (Buy by separated)

12 MUFFLER COMPONENT

12.1 Dismanted mulffer1…… 71

Dismanted muffler flange

12.2 Dismanted mulffer 2…… 72

Dismanted muffler component

12.3 Mulffer component…… 73

Dismanted muffler component

13 LOWER WIND DEFLECTOR COMPONENT

13.1 Lower wind deflector component-1…… 74

Dismanted lower wind deflector component

13.2 Lower wind deflector component-2…… 75

Dismantled lower wind deflector component

All the information, illustrations and photographs collected in this manual are compiled according to the latest products. However, there may be some inconsistencies between your motorcycle and this manual due to the continuous improvement of the product and other changes.

©Guangdong Tayo Motorcycle Technolog Co. Ltd All rights reserve

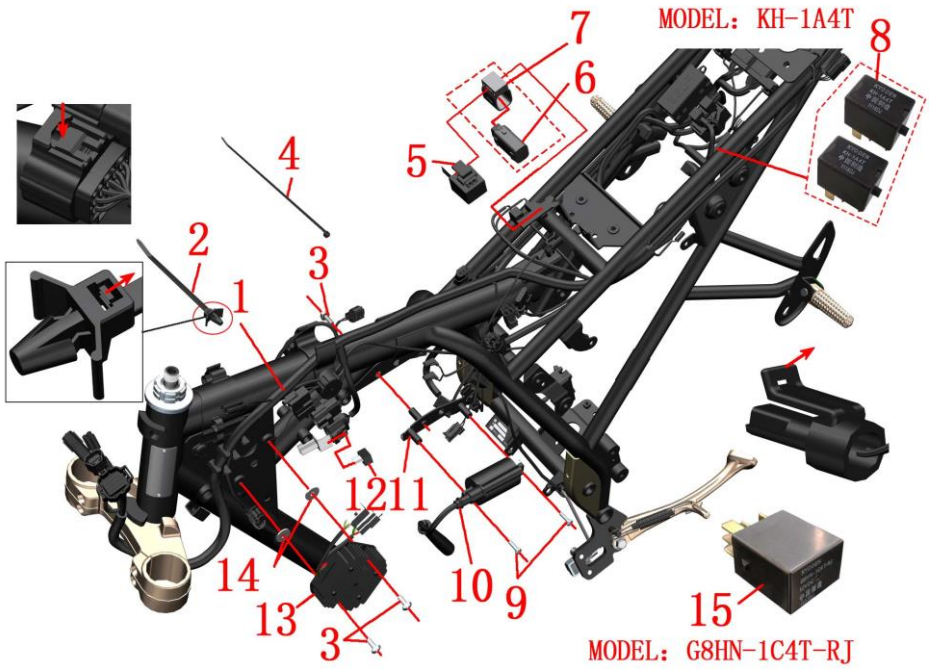


FIG.1 FRAME&ELECTRONIC PARTS COMPONENT		Electronic parts COMPONENT-1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1184100-115000	ZT250－R wire harness assembly (PKE)	1	
2	1224101-012000	Pin tie (Black 4.8×130)(5 pcs/after-sale)	1	
3	1251100-102000	Non-standard bolt M6×16（304 stainless steel）	3	
4	1226000-218000	Grade 6 flame retardant tie (black 3.6×295)(5 pcs/after-sale)	8	
5	1184201-034000	ZT310-R flasher(after-sale)	1	
6	1184100-002000	ZT250－S Dump switch	1	
7	1244100-151000	ZT250-R dump switch sleeve(after-sale)	1	
8	1186001-018000	ZT250-S Four-pin Normally Open Relay(after-sale)	2	
9	1250201-032093	GB818M5×16 z (color zinc)	2	
10		ZT250－R Ignition coil, ignition cable component	1	
		ZT310 EFI Ignition coil		
11	1274100-085000	ZT250－R Ignition coil installing support	1	
12	1184100-101000	ZT250－R Head light diode	1	
13	1184100-015000	ZT250－S Rectifier	1	
14	1270301-023000	Stainless steel heat insulation mat 6×20×1.6(5 pcs/after-sale)	2	
15	1184200-024000	ZT310－R relay of side support	1	

PROCEDURE:

●Main harness

Different plug-in methods are different, please unplug all the electrical components connected to the main thread according to the actual operation. It needs to use a word screwdriver, forceps, scissors and other tools to assist. The binding (2)、(4) can be picked out by using scissors. It is recommended to cut the strap directly with scissors and replace the material with the same specifications on the official website.

●Flasher and dump switch

Remove the rubber sleeve (7) that connects the flasher (5) to the mounting bracket on the frame, and remove the dump switch with the same method, then separate the dump switch (6).

●Relay&head light diode

Pull out the electric injection relay(8), large lamp diode(12) and the side stand relay(15)。

●Ignition coil &support

Remove the crosshead bolts (9) with a cross screwdriver and remove the ignition coil. Remove the bolt (3) with 10# sleeve and remove the ignition coil support (11).

●Rectifier

Remove the bolts (3) with the inner hexagon tool and remove the rectifier (13),then remove the asbestos pad(14).

CAUTION:

●In order to avoid the improper contact of the bending electrical parts, please pay attention to the direction and angle of force when plugging the electrical parts, so as to avoid the improper contact of the bending electrical parts. No violent operation.

●Please notice the limit of the bracket when dismantling flasher and dump switch sleeve, beware of hurting your fingers.

● EFI relay (8) model: KH-1A4T. Side bracket relay (15) model: G8HN-1C4T-RJ.

●The "ZT250 EFI Ignition coil" and the "ZT310 EFI Ignition coil" cannot be universal.

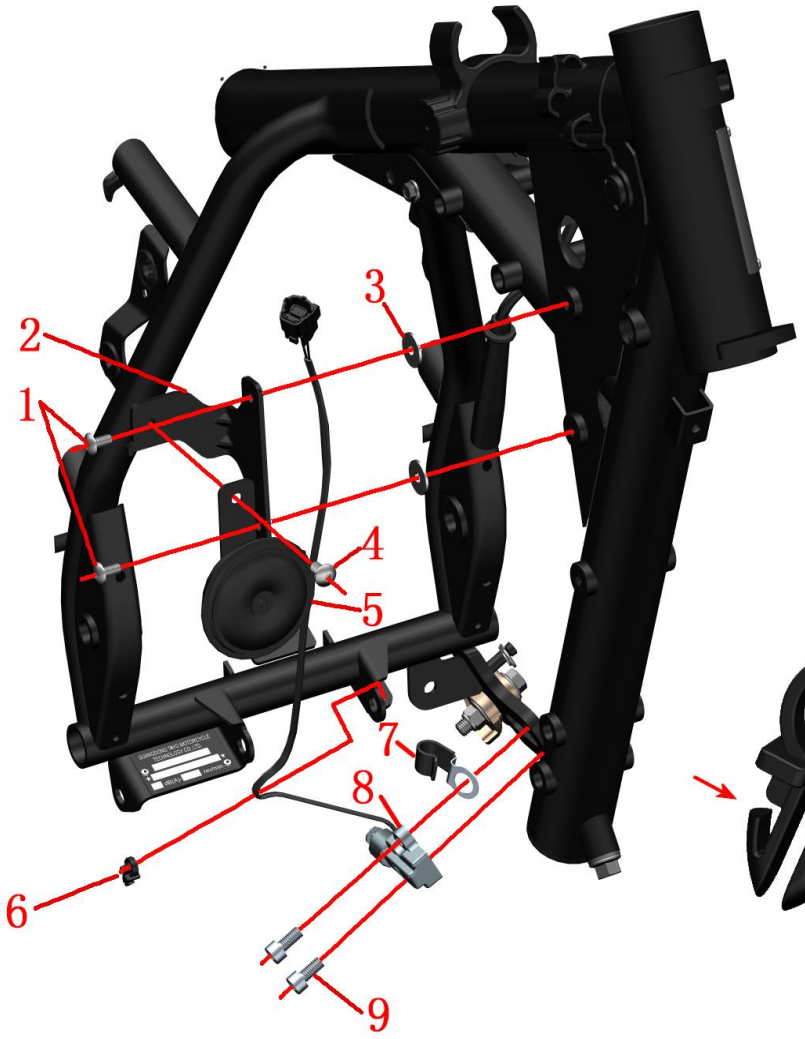




FIG.2 FRAME&ELECTRONIC PARTS COMPONENT		Electronic parts COMPONENT-2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non-standard bolt M6×16（304 stainless steel）	2	
2	1274100-086000	ZT250－R Horn intalling support	1	
3	1270301-023000	Stainless steel heat insulation mat 6×20×1.6(5 pcs/after-sale)	2	
4	1251100-101000	Non-standard bolt M6×16（304 stainless steel）	1	
5	1184200-004000	ZT310 Horn	1	
6	1274101-024000	ZT250-S cable buckle(5 pcs/after-sale)	1	
7	1274101-035000	pcs/after-sale)	1	
8	1184101-003000	ZT250-S shut down switch(after-sale)	1	
9	1250205-040095	GB70.1 Hexagon socket screw M8×16(color zinc)	2	

PROCEDURE:

●Horn and support

Remove the bolts with the inner hexagon tool (4) and remove the horn (5). Remove the bolt (1), the horn support (2) and the asbestos pad (3).

●Flameout switch

Use pliers (as above picture shown) to hold the line in the direction of the arrow with a slightly clamping hand to remove the cable clip (6). Remove the bolts(9) with the inner hexagon tool, Remove the bolts (8) with the inner hexagon tool and remove the flameout switch (7) .

CAUTION：

●Please pay attention to the strength when removing the cable clip.

●An asbestos pad is needed to insulate the heat transfer between horn support and frame.

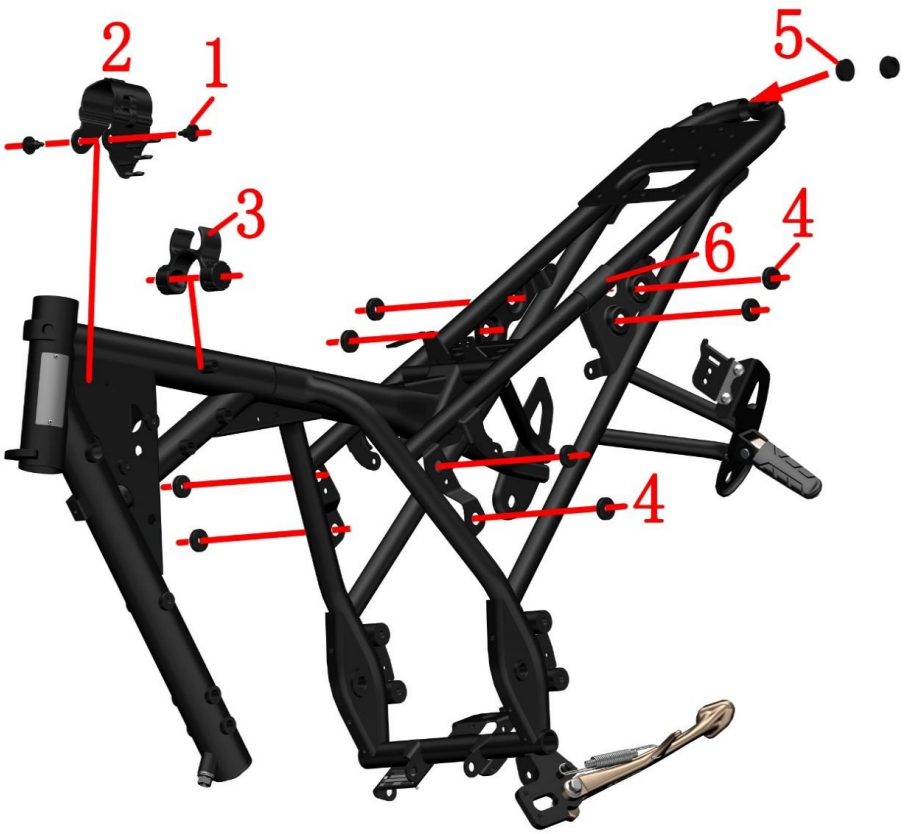


FIG.3 FRAME&ELECTRONIC PARTS COMPONENT		Frame plastic parts	CHK / ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1274100-002000	ZT250－S Cable clamp	2	
2	1224100-049000	ZT250－R Cable collection clip	1	
3	1244100-019000	ZT250－S Inner fuel tank fix glue cushion	1	
4	1244100-138000	ZT250-S Side cover round rubber(5 pcs/after-sale)	8	
5	1244100-061000	ZT250 Frame water proof rubber plug	2	
6	1240100-023000	Battery positive protection glue.	1	

PROCEDURE:

●Cable collection clip

First, take the cable and the main thread out from the collection clip, then use the straight screwdriver to pick up the middle part of the cable clip(1). Then take cable collection clip (2) off.

●Inner fuel tank ficx glue cushion

Use both hands to hold the two ends cylinder parts of the inner fuel tank limited glue cushion (3) and should push it out.

●Side cover cushion

Remove the side cover cushion (4) with your hand directly.

●Frame waterproof rubber plug

Remove the frame waterproof rubber plug (5) with your hand directly.

●Positive pole protection glue

Find out the slot parts position,open and take it out with tools.(6)

CAUTION：

●It must be dismantled them first, such as the cushion, fuel tank cover, inner fuel tank, sider cover, tail dress and so on.

●All parts should be correctly assembled.



FIG.4 FRAME&ELECTRONIC PARTS COMPONENT		Steering rack component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1134100-040000	ZT250-S Adjusting nut locking washer(5 pcs/after-sale)	1	
2	1251300-235093	ZT250-S direction column adjusting screw nut M24×1 (environmental color Zinc)(after-sale)	2	
3	1244100-135000	ZT250-S Adjusting nut rubber gasket (5 pcs/after-sale)	1	
4	1224100-005000	ZT250－S Steering column upper dustproof cover	1	
5	1130900-053000	ZT250-S shaft ring (after-sale)	1	
6	1130900-054000	ZT250-S conjoined steel ball (5 pcs/after-sale)	2	
7	1134100-015000	S lower connection borad(self made/with ball head) assembly	1	
8	1224100-006000	ZT250－S steering stem dust cap(down)	1	【1】

PROCEDURE:

●Dissembly

Remove the lock washer(1).

Remove the top adjusting nut (2) by using a hook wrench tools.

Remove the rubber pad (3).

With one hand to hold down the down connected plate assembly (7), the other hand use a special four-jaw set or hook wrench to remove the adjusting nut(2).

Remove the upper dustproof cover(4).

Remove the down connected plate component(7).

Remove the axletee ring (5) of the upper riser and the steel ball(6).

Remove the steel ball of the down connected plate component(7).

●Assemble

When reassembling, the conjoined steel beads should be painted lubricating grease,attention to the dosage.

The torque of rating nut which closes to upper dustproof cover(4)is required to about 14N.m.so as to be able to rotate out of nimbleness.

The top adjusting nut only needs to rotate to the bottom of the nut groove alignment, not too tight to prevent the rubber pad (3) from deformation too large.

CAUTION：

●Remove the head part component, handlebar component and front shock absorber component first .

●Please pay attentin to fix the awaiting repair motorcycles well during disassembly,prevent dumping by accident.

●Please check whether the steel beads of the conjoined body have abnormal phenomena such as partial abrasion and rust.If YES, please buy the regular accessories on ZONTES official website, if not, please be sure to grease the old grease and repaint the lubricating grease on it.

●It must be to check whether the steel ball is available during reassembly.

●It must be reasonable to adjust the steering, too loose will cause the locomotive to brake slightly, and the locomotive will shake slightly, too tight can lead to inflexibility, resulting in safety hazards.

●If you have the ability and the right tool, you can change the shaft ring (5) and the dustproof cover (8).During the replacement process, pay attention to the protection of the lower connected plate. After replacement, it must be to check the parallelism of the column and the damping hole, the vertical degree of the vertical column and the lower connected plate.

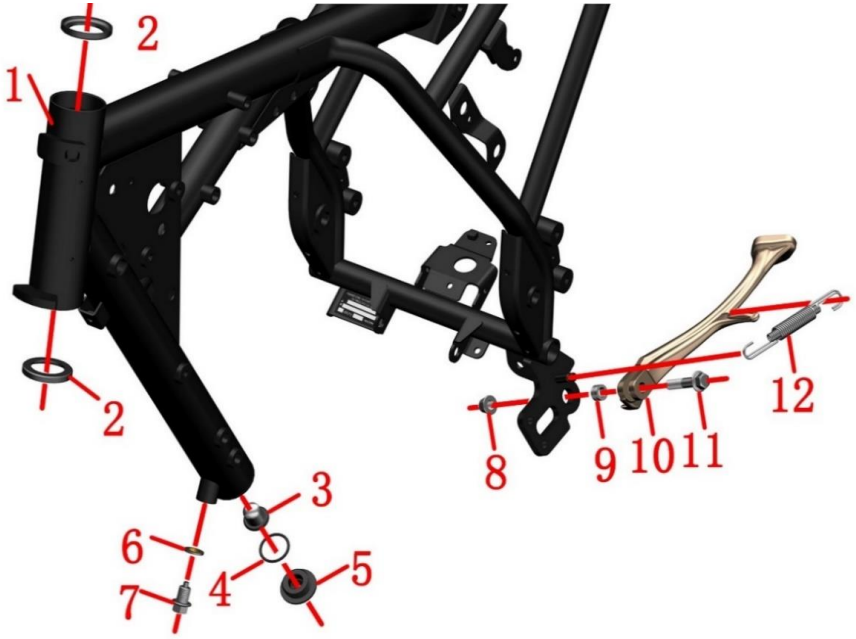


FIG.5 FRAME&ELECTRONIC PARTS COMPONENT		Frame, Side support, the operation of releasing engine oil	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1		ZT250 - R frame II after - sale assembly (ABS version / including seat / nameplate / Euro IV)		Export
2	1130900-052000	ZT250-S upper steel bowl (after-sale)	2	For after-sale
3	1274100-006000	ZT250－S Frame engine oil filter screen	1	
4	1051453-003000	27.4×2.65 Acrylate O gule cushion loop	1	
5	1274100-024000	ZT250－S Oil cooling joint	1	
6	1244100-033000	combined sealing gasket12×φ20×2	1	
7	1251100-066093	M12×1.5×15 Ablassschraube（color zinc）	1	24±4N.m
8	1251300-057093	Non-standard bolt M10×1.5（dacromet）	1	
9	1251700-313000	ZT250-S side stand sleeve(5 pcs/after-sale)	1	
10	1274101-022000	ZT250-S side stand(after-sale)	1	
11	1251100-088094	Non-standard bol M10×1.5×43（dacromet）	1	
12	1260300-079093	ZT250-S side stand spring(after-sale)	1	

PROC

●Checking the cushion loop

Checking whether the cushion loop (2) is frayed, if as it, please replace it on ZONTES website, fix the cushion loop well and paint the lubricating grease on it with appropriate tool.

●Replacing the engine oil filter screen

Put the oil pan on the bottom and use the appropriate tools to remove the oil cold joint (5) , O ring (4), and oil filter screen(3). When replacing the oil filter screen (3), the O-ring(4) must be replaced at the same time. The oil cooling joint(5) must be tightened well when re-assembling which meets the standard torque value.

●Realease the frame tube enging oil

Put the oil pan at the bottom, use the appropriate tool to remove the oil bolts(7) and the sealing gasket(6), and remove the oil from the frame tube. Refer to the instructions for detailed steps to replace the oil. It is recommended that the engine oil should be replaced with oil bolts (7) and sealing gasket(6) to prevent oil leakage.

●Sider support

Use the cross screwdriver to remove the side support spring (12), and guard against the personal injury caused by spring contraction, remove the nuts (8) and bolts (11) with the appropriate tools. Remove the side support (10) and bush(12), paint the lubricating grease on the bush when re-assembling ,then put it into the frame(1)

CAUTION：

●Remove the wind deflector component, handle bar component, steering column component first.

●Paint the lubricating grease on the cushion ring to decrease the rotary resistance of front forklift.

●The waste oil needs to be collected and returned to qualified institutions. It is forbidden to dump and pollute the environment and the source of water.

●Pay attention to safety when mounting side support spring.

●All parts should be correctly assembled.

●The Chinese frame after-sales assembly includes 3C nameplate, seat ring and packaging carton. The export frame after-sales assembly includes Euro IV nameplate, seat ring, and carton not included.

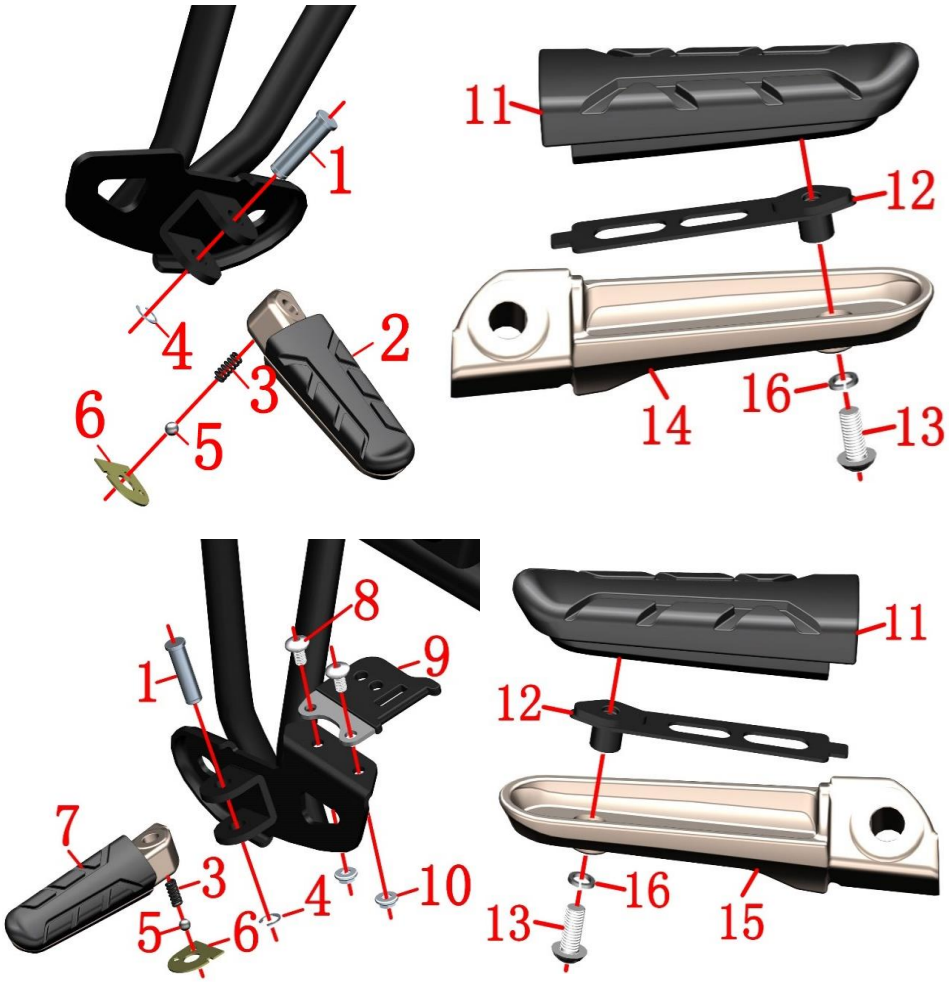


FIG.6 FRAME&ELECTRONIC PARTS COMPONENT		Rear pedal component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1274100-012000	ZT250－S Pedal axis pin	2	
2	1274200-061000	ZT310 - X rear right footrest	1	
3	1264100-005000	ZT250－S Pedal Steel ball spring	2	
4	1264100-006000	ZT250－S Pedal clamp spring	2	
5	1274100-156000	ZT250-S rear pedal steel ball(5 pcs/after-sale)	2	
6	1274100-052000	ZT250－S Rear pedal locating plate	2	
7	1274200-062000	ZT310 - X rear left footrest	1	
8	1251100-101000	Non - standard bolt M6×12 (304 stainless steel)	2	
9	1274100-100000	ZT250 - R disc brake lock bracket	1	【1】
10	1250303-040093	GB6177.1M6 (environmental color)(5 pcs/after-sale)	2	
11	1244200-024000	ZT310 - X footrest gum cover	2	【2】
12	1274200-051000	ZT310 - X footrest gum cover fixed plate	2	
13	1250205-289000	GB70.2M5×12 (stainless steel)(5 pcs/after-sale)	2	
14	1032142-040000	ZT310 - X rear left pedal	1	
15	1032142-039000	ZT310 - X rear right pedal	1	
16	1250501-010000	GB93φ6 spring pad	2	

PROCEDURE:

●Dissembly rear pedal

Pry open the clamp spring (4), then push the pedal pin shaft(1)out with tools.Pull the pedal (2) or (7) outward.

●Assemble rear pedal

Place one side with two holes of pedal horizontally and put the pedal spring (3) in the pedal (2) or (7) in the small hole.

Put the steel ball (5) inside,compress the steel ball and spring with the positioning plate(6).

Assemble the pedal on the frame and distinguish the right, left pedal.

The axis pin (1) is inserted after the pedal hole is aligned with the pedal support mounting hole.

Insert the clamp spring(4) into the pin shaft slot.

●Disc brake lock bracket

Fix the bolt (8) with a hexagonal tool and remove the nut (10) with a sleeve, and finally remove the disc brake lock bracket (9) from the frame.

●Foot aftersales service parts

Grasp the left rear pedal (14) or right rear pedal (15), remove the bolt (13) with an allen tool, and remove the spring washer (16). Remove the rubber sleeve (11) and the fixing piece (12).

CAUTION：

●Take care of the material when removing the pedal.

●【1】Only suitable for TOP DOG disc brake lock RE008 and TOP DOG disc brake lock RE0081, other models are not adapted.

●【2】 Only for after-sales replacement of worn-out pedal parts.

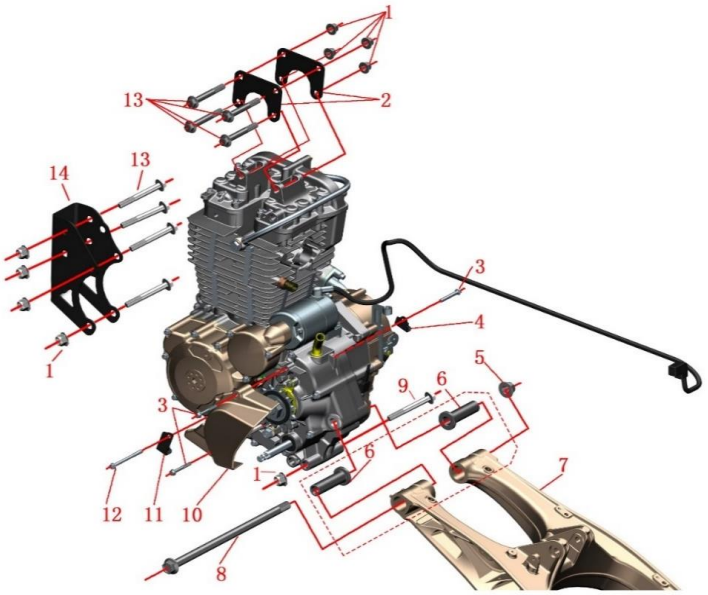


FIG.1FRAME&ENGINE		Frame&Engine	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251300-057093	Non-standard nut M10×1.5（dacromet）	9	
2	1020241-225000	ZT250－R Upper hanging piece	2	out of stock
	1020242-385000	ZT310－V Upper hanging piece		
3	1251112-294000	GB16674 M6×45 Hex flange flange bolt (9.8 grade/environmental color Zinc)(5 pcs/after-sale)	3	
4	1274100-033000	ZT250－S Right support of down wind deflector	1	
5	1251300-059093	125 Spindle nut of rear forklift M14×1.5（dacromet）	1	
6	1274100-009000	ZT250－S The axle sleeve of rear forklift	2	
7	4024100-024000	ZT250 aluminum rear fork assembly(bearing/oil sealing	1	
8	1252200-016093	250 Rear forklift axle Ø14×310（dacromet）	1	
9	1251100-086093	Non-standard bolts M10×1.5×112（dacromet）	1	
10	4044100-022051	ZT173YMM Output chain wheel cover	1	
11	1274100-034000	ZT250－S Lower wind deflector left support	1	
12	1251112-333000	GB16674 M6×75 Hexagon flange bolts (9.8 grade/environmental color Zinc)(5 pcs/after-sale)	1	
13	1251100-965003	Non-standard bolt M10×1.5×80 (Dacromet)(after-sale)	8	
14	4024100-031000	ZT250－R Bracket	1	

PROCEDURE:

●Chain wheel cover

Dismantle the left side bolt (3) of the engine with the sleeve and remove the chain wheel cover (10).

●Bracket engine hanging

Use the sleeve to cover the head of the bolt (13) then dismantle the nut (1) with the sleeve. Remove the bolt then dismantle the bracket (14).

Use the sleeve to cover the head of the bolt (9) , remove the nut (1) with the sleeve, then emove the bolts.

●Hanging piece

Use the sleeve to cover the head of the bolt (13) and remove the nut (1) with the sleeve. Can not remove the bolt (13) and the hanging piece (2) .

●Engine middle part,frame and rear forklift component

Use the sleeve to cover the head of the bolt (8) and remove the nut (5) with the sleeve. Other parts cannot be removed.

●Engine

Both persons hold the left and right boxes of the engine. One person takes the bolt (13) and hanging piece (2) off. Remove the rear flat fork ASSY (7). Support the engine to shift to one side, and pay attention to safety during the movement. Put the engine flat on the ground.

●Wind deflector support, rear forklift sleeve

Remove the bolts (3) with the sleeve then remove the left support (11) and right support (4) of the wind deflector.

CAUTION:

●It is necessary to remove the seat cushion, fuel tank, side cover, pedal support, wind deflector, shift lever, muffler, radiator and pipe, cable, air filter joint, chain, engine start motor positive line pole, etc.

●Use appropriate tools to support the motorcycle to prevent motorcycle dumping during disassembly. Single operation is forbidden.

●The waste oil needs to be collected and returned to qualified institutions. It is forbidden to dump and pollute the environment and the source of water.

●Please pay attention to safety to prevent accident.

●It must be operated the engine with more than one people at the same time when removing the engine.

●All standard parts must meet the standard torque value when reassembling, and refill the engine oil according to the operation instruction.



ZT250－R Upper hanging piece



ZT310－V Upper hanging piece

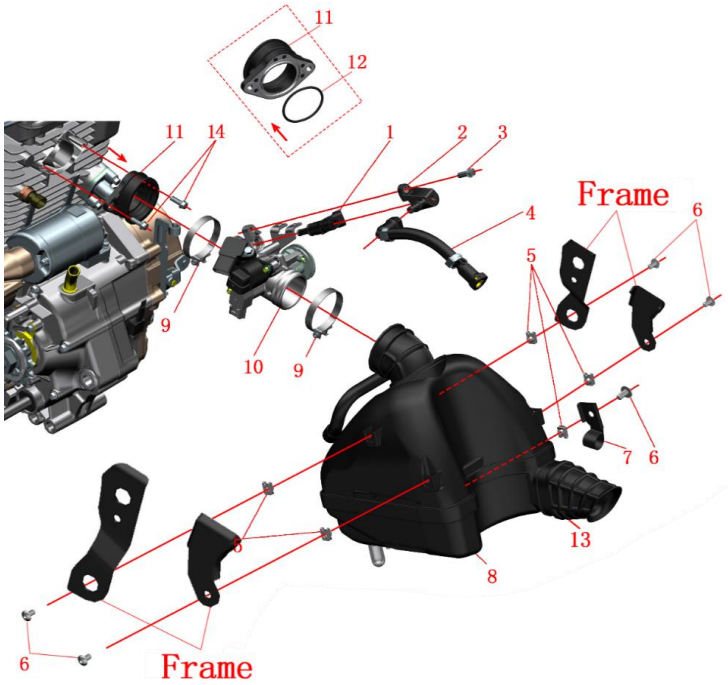


FIG.1 INDUCTION SYSTEM COMPONENT		Intake system component	CHK / ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1050954-007000	39－N008 gasline injector	1	
2	1050954-008000	39－N008 Fuel injector	1	
3	1251112-291093	grade/environmental color Zinc)(5 pcs/after-sale)	1	
4	1050954-006000	ZT180MN high press fuel pipe of EFI	1	
5	1251300-202094	Plywood M6×11×15(zinc-nickel)(5 pcs/after-sale)	5	
6	1251100-101000	Non－standard bolt M6×12 (304 stainless steel)	5	
7	1274100-076000	ZT250－R rear disc brake pipe clamp (steel)	1	
8	1224200-058000	ZT310－R second generation air filter	1	
9	1051356-017000	Φ56×10 clamp components (after-sale)	2	
10	1050953-021000	TB35 throttle body parts	1	
11	1050953-022000	TB35 intake manifold assembly	1	
12	1051453-007000	45×2.1 Fluoroelastomer O-ring	1	
13	1244100-083000	ZT310－R Air filter small air inlet	1	
14	1251100-870000	M6×22 Hex flang bolt thread (8.8 garde/environmental color Zinc)(5 pcs/after-sale)	2	

PROCEDURE:

●High pressure oil pipe

Press anti-loose ring on the joint of the fuel pump joint which is close to high pressure oil pipe (4), then pull it out directly, the balance fuel in the tube needs to be connected to the oil pot. Please prevent fuel dripping onto any part of the vehicle. Press the anti-loose card ring near the injector fixator(2) to unplug the high-pressure oil pipe, as picture shown, smoking and lighting fires are strictly forbidden during disassembly.

●Air filter

Remove the bolts (6) with the inner hex sockets tool, pull the the tubing clip(7)out from the disc brake pipe and take it out. Loosen the pipe hoop assembly on the air filter (9), clamp on the exhaust pipe and unplug the exhaust pipe from the exhaust outlet of the engine. Then use the rubber plug to prevent the foreign body from entering the damaged engine. Remove the air filter (8) and plywood nut (5).Remove the small air inlet(13) from air filter(8).

●Throttle valve component

Remove the bolts (14) with the club wrench and remove the throttle valve assembly. Loosen and remove the pipe band (9) between the induction manifold assembly (11) and the throttle part (1),Remove the O ring (12) from the induction pipe assembly.Remove the screw (3) of the fuel injector fixator (2) with the sleeve and remove the fixer and the fuel injector (1).

CAUTION:

●First it need to remove the cushion,side cover,oil tank outside cover and liner,rear shock absorber and electrical device box etc.

●When removing the high pressure oil pipe,It is sure to operate until the engine and muffler are completely cooled. Prevent accidental ignition of fuel and cause fire.

●Fireworks, answering or dialing should be strictly prohibited near the car-breaking site to prevent accidents.



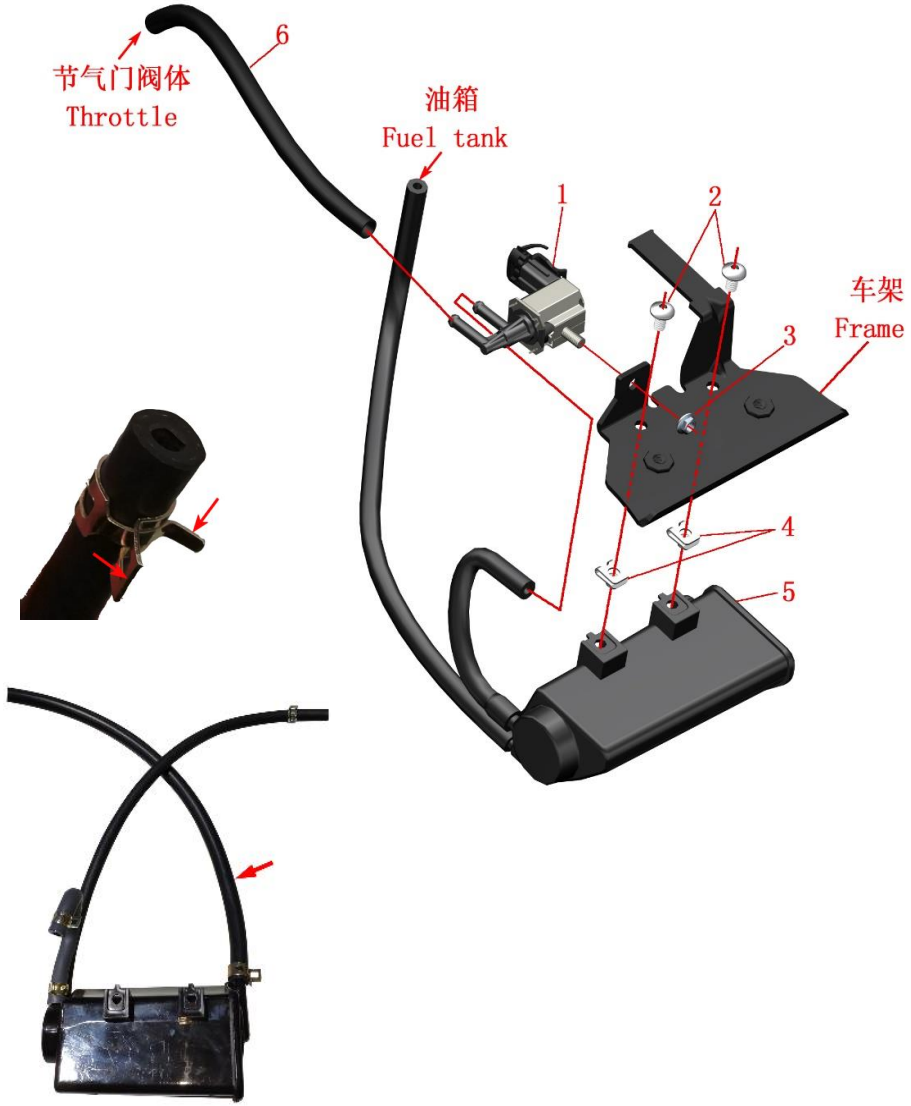


FIG.2 INDUCTION SYSTEM COMPONENT		Carbon Tank component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1050976-044000	YH canister solenoid valve(after-sale)	1	
2	1251100-101000	Non-standard bolts M6×12（304 stainless steel）	2	
3	1250303-040093	GB6177.1M6 (environmental color)(5 pcs/after-sale)	1	
4	1251300-202094	Plywood M6×11×15(zinc-nickel)(5 pcs/after-sale)	2	
5	1224200-158000	ZT310－R Carbon tank II (with fuel pipe)	1	
6	1244200-004000	TB41 Throttle valve desorption rubber tubing	1	

PROCEDURE:

●Carbon tank

Clamp the pipe clamp on the exit of the oil and gas separator at the bottom of the tank with pliers and pull out the tubing. Unplug carbon tank solenoid valve (1) with the same method. Remove the bolts with the inner hex tool (2). Remove thecarbon tank (5) from the left side of the frame and remove the plywood nut (4).

●Desorption tubing

Clamp the pipe clamp on both ends of the desorption tubing,and take the it (6) out.

●Carbon tank electromangnetic valve

Remove the plug of the solenoid valve (1), then remove the nut (3) with the sleeve and remove the electromagnetic valve.

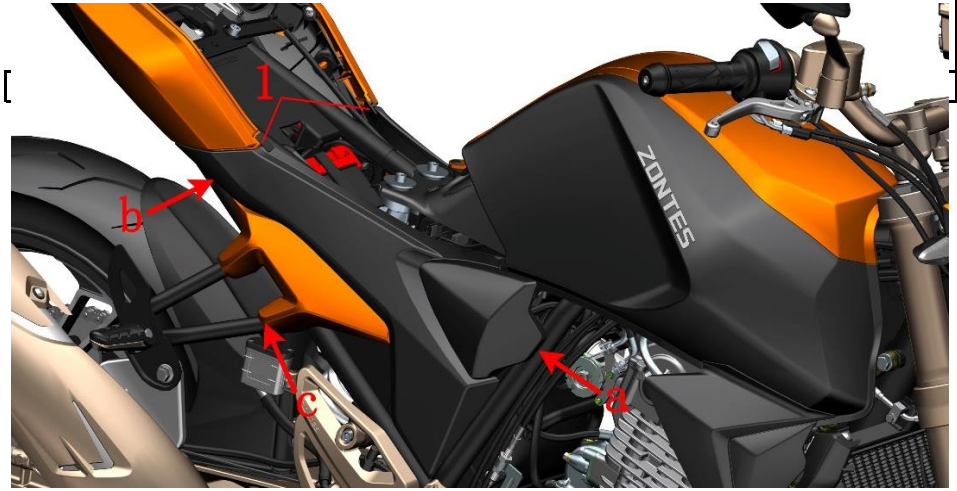
CAUTION:

●It needs to remove the seat cushion, side cover, oil tank cover, bladdar and so on.

●Regularly check whether the filter element of the carbon tank and air filter is not ventilated, otherwise it may cause the oil supply to affect the driving experience.

●It should be no crimp, entanglement and other phenomena.

●Add a fuel pipe on March 13,2019 to prevent fuel dropping onto the muffler surface.



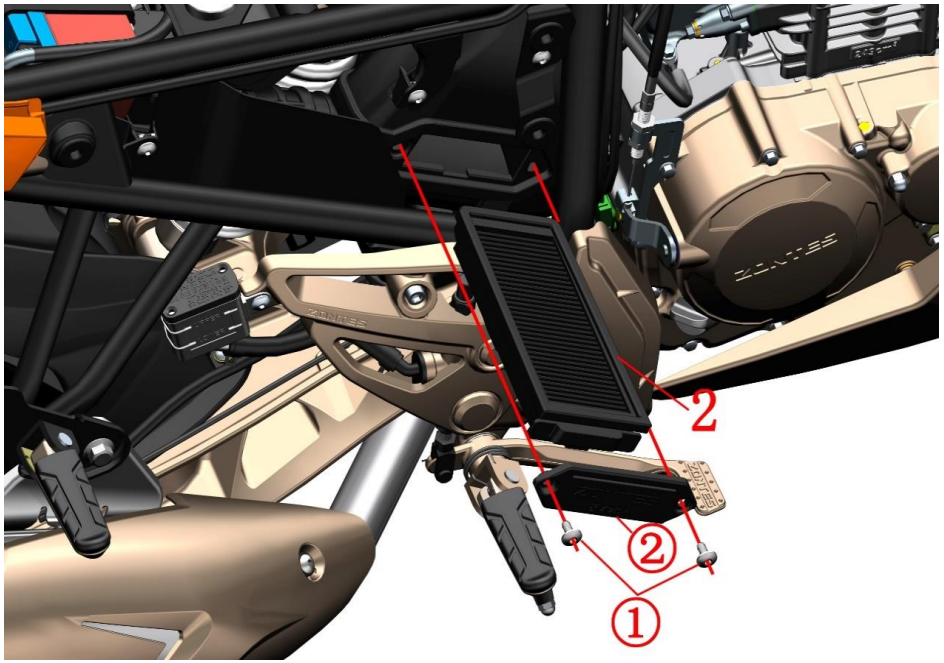


FIG.3 INDUCTION SYSTEM COMPONENT		Replace the air filter element	CHK / ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224100-024000	ZT250－S Plastic connector block	1	
2	1226400-174000	ZT310－R air filter element (with carton packaging)	1	After sale

PROCEDURE:

●Filter element

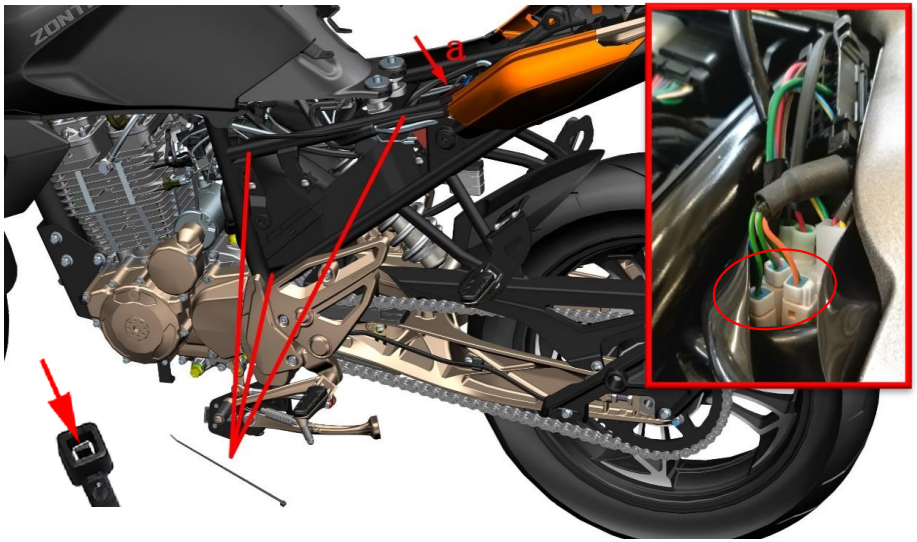
If you need to maintain the filter element of the air filter,remove the plastic connection piece (1).Press the a-end of the right side cover to pull out forcibly, then pull out the b-end, remove the right cover assembly; Similarly remove the left cover assembly.Take the two standard parts① out of air filter with the tool, dismantle the box cover②, then extract the filter element(2). Blow the dust off the filter core by blowing dust gun in the filter element. If the blowback causes the dust to be unable to clean up, the engine will be damaged or the induction resistance will become larger and affect the driving experience. If there is any damage, please log on the official website and purchase another parts.

CAUTION:

●Regularly check whether the filter element of the carbon tank and air filter is not ventilated, otherwise it may cause the oil supply to affect the driving experience.

●When blowing dust, pay attention to maintain a certain distance to avoid excessive damage to the filter element.

●When assembling the side cover assembly, you should install end b first, then end a, and finally press c to snap the decorative cover to the frame tube.



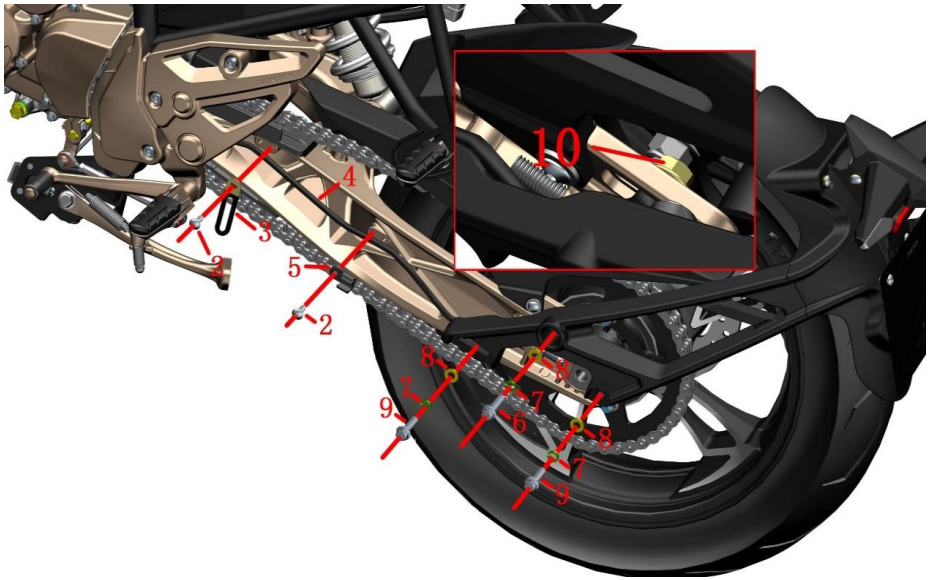


FIG.1 REAR FORKLIFT COMPONENT		Rear sub mudguard component 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1226000-218000	pcs/after-sale)	3	
2	1251100-101000	Non－standard bolt M6×12 (304 stainless steel)	2	
3	1276001-054000	φ8 clip(L=73)(5 pcs/after-sale)	1	
4	1184100-114000	ZT250－R auxiliary fender extension cable	1	
5	1224201-027000	ZT310-R Rear disc brake pipe clamp(after-sale)	1	
6	1250105-143093	GB5789M8×35 (environmental color)	1	
7	1250501-007093	GB93φ8(color zinc)	3	
8	1250503-021093	GB97.1φ8 (environmental color)	3	
9	1250105-391093	GB5789M8×30 (environmental color)(5 pcs/after-sale)	2	
10	1250303-011093	GB6177.1M8(color zinc)	1	

PROCEDURE:

●Rear vice fender assembly

Find interface a and unplug three plugs.

Cut off or use a tool to untie the cable tie(1).

Pull straight the clip(3).Remove bolt(2), take off the clip(3) and disc brake oil pipe clamp(5).

Use plum blossom wrench to tightent the nut(10) and disassemble bolt(6) which is close to "ZONTES" mark with a sleeve.And remove the spring pad(7),flat pad(8)and nut(10).

Hold the Rear vice fender assembly and disassemble bolt(6) and bolt(9) with a sleeve. Take off spring pad(7) and flat pad(8).

Take off the Rear vice fender connecting cable(4)and rear vice fender assembly.

CAUTION:

●The seat cushion, left side cover, etc. must be removed in advance.

●Do not pull the cable hard when removing the vice fender connecting cable.

●When reassembling, make sure that the torque of the three M8 bolts reaches 35N.m, and you need to apply the thread fastening glue first. Before tightening the bolts, check that there is any pressure on the wires to prevent short circuits when tightening the bolts.

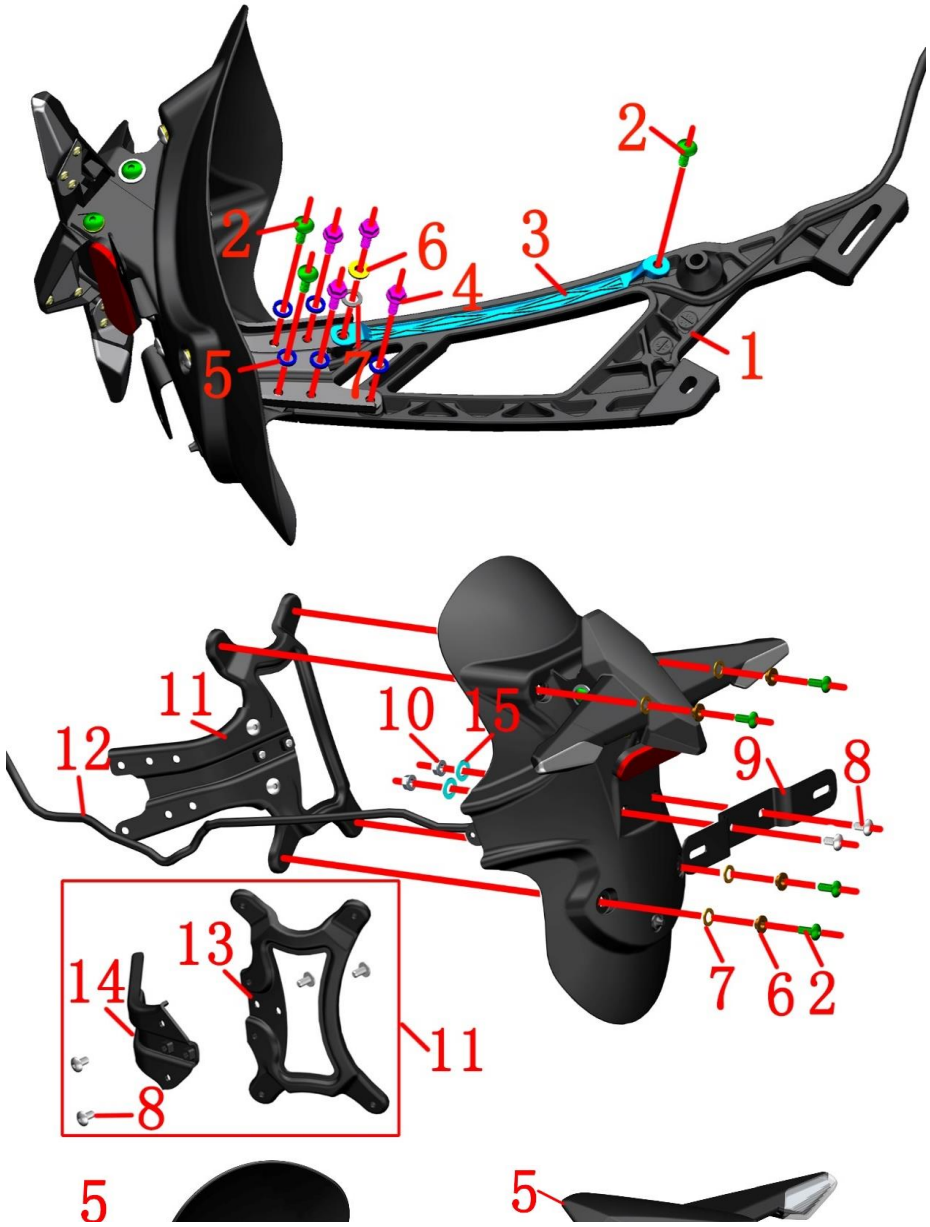


FIG.2 REAR FORKLIFT COMPONENT		Rear sub mudguard component 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1020242-263021	ZT310 rear auxiliary fender aluminum alloy bracket (home made)	1	
2	1251100-102000	Non－standard bolt M6×16(304 stainless steel)	7	
3	1224200-090000	ZT310 rear auxiliary fender retaining plate	1	
4	1250105-137093	GB5789M6×16(color zinc)	4	
5	1250501-007093	GB93φ8(color zinc)	5	
6	1274100-155095	pcs/after-sale)	5	
7	1241200-124021	pcs/after-sale)	5	
8	1251100-101000	Non－standard bolt M6×12 (304 stainless steel)	6	
9	1270300-039000	HJ125－6 rear license light bracket	1	
10	1250303-040093	GB6177.1M6 (environmental color)(5 pcs/after-sale)	2	
11	4024200-102000	ZT310－R rear sub－plate iron bracket assembly (improved)	1	
12	1184100-114000	ZT250－R auxiliary fender extension cable	1	
13	4024200-036000	ZT310-V rear auxiliary fender iron support rear section	1	After sales
14	4024200-101000	ZT310 rear auxiliary fender iron support front section	1	
15	1250503-021093	GB97.1φ8 (environmental color)	2	

PROCEDURE:

●Retaining plate

Remove the bolts(2)and (4), remove the flange bushing (6) the rubber pad(7), and finally remove the retaining plate(3).

●Aluminum alloy bracket

Remove the 2 pcs of bolt(8) and 3 pcs of (4)， then remove 5 pcs of spring washer(5).Separate the aluminum bracket from the rear auxiliary fender assembly.

●Back license plate bracket assembly

Remove the bolt(8) and nut(10) at the license bracket(9) and remove the license bracket(9).

●Rear auxiliary mud plate iron bracket

Hold the rear turn signal assembly, remove the bolt(2), and remove the flange bushing(6) and rubber pad(7). Remove the rear sub-mud iron bracket(11)and rear turn signal assembly.

The old one-piece iron bracket has been discontinued, and the integrated iron bracket assembly (11) needs to be replaced. The assembly already contains the front section (14), the rear section (13) and 4 bolts (8).

CAUTION:

●Do not pull the cable hard when removing the sub-mud switch.

●When reassembling, first check if there is any pressure on the wire to prevent short circuit when tightening the bolt.

●2 pcs GB97.1φ8 have been added to motorcycle manufactured by July 2021.Early production can add by yourself.

FIG.3 REAR FORKLIFT	Rear sub mudguard component 3	CHK



COMPONENT		Rear sub mudguard component 3	ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251300-202094	Plywood M6×11×15(zinc-nickel)(5 pcs/after-sale)	6	
2	1244100-136000	ZT250-S rear liceness buffer rubber(5 pcs/after-sale)	1	
3	1224200-091000	ZT310－R rear mudguard fender	1	
4	1276001-054000	φ8 clip(L=73)(5 pcs/after-sale)	1	
5	1174200-035000	ZT310 rear turn signal (including license plate light)	1	
6	1174100-015000	ZT250-S rear reflector(after-sale)	1	
7	1251100-102000	Non－standard bolt M6×16(304 stainless steel)	4	
8	1274100-155095	pcs/after-sale)	2	
9	1241200-124021	pcs/after-sale)	4	
10	1250502-037093	GB96.1 φ6(environmental color)(5 pcs/after-sale)	2	
11	1274101-025000	ZT250-S muffler anti-hot plate sleeve(5 pcs/after-sale)	2	
12	1184100-114000	ZT250－R auxiliary fender extension cable	1	
13	1244200-082000	ZT310 Rear sub fender wire rubber plug	1	【1】
14	1251100-937000	Hexagon socket head screw M6×16+8.5×5 SUS302(5 pcs/after-sale)	2	

PROCEDURE:

●Back reflector, license plate cushion rubber

Flip to the back, remove the nut① that comes with the rear reflector(6), remove the clamp(4) and the back reflector. Remove the plate cushion rubber(2) and remove the 2 plywood nuts(1) on the back of the rear mudguard fender(3).

●Steering lights, fender sub-assemblies

Remove the bolts(7)on the left and right sides, and remove the flange bushing (8), cushion rubber(9), anti-scalding bushing (11) and gasket(10) or bolt(14). Disassemble the turn signal and fender subassembly. Note that the sub-mud switch cable(12)cannot be forcibly pulled.

●fender sub-assembly

Remove the 2 plywood nuts(1) and retaining rubber plug(13) from the fender subassembly(3).

●turn signal subassembly

Remove the 2 plywood nuts(1) from the turn signal(5). Remove the 3 joints of② and remove the sub-mud switch cable(12).

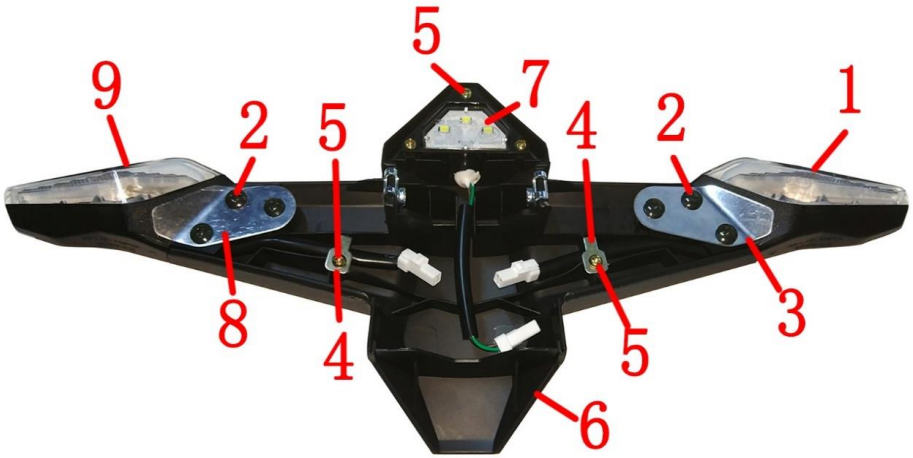
CAUTION:

●Do not pull the cable hard when removing the sub-mud switch.

●When reassembling, check if there is any pressure on the wire to prevent it from tightening.

Short circuit caused by bolts. Pay attention to the lamp connector, do not insert the wrong, turn left Green + orange; right turn signal is green + blue; license plate light is green + pink.●The old model uses M6×16 bolt + GB96.1 ϕ 6 + flanging bushing buffer glue + muffler anti-ironing board bushing 2 pieces of structure. Buy 2 pieces " 1251100-375000 Hexagon socket head screw M6×16+ 8.5×5 SUS302 " instead to reduce assembly steps.

FIG.4 REAR FORKLIFT COMPONENT	Rear turning light parts for after sales service	CHK ADJ	



NO.	PART NO.	PART NAME	QTY	CAUTION
1	1174200-020000	ZT310-X Rear right turning light	1	
2	1251200-056095	Non-standard cross self-tapping screw ST3.8×10 (military green)	6	
3	1274200-331000	ZT310-X rear right turn signal fixing bracket	1	
4	1274200-332000	ZT310 rear turn signal fixing wire clip	2	
5	1251200-101000	Non-standard cross self-tapping screw ST3.0×7 (color zinc)(5 pcs/after-sale)	5	
6	1224200-120000	ZT310 rear turn signal bracket	1	
7	1174200-021000	ZT310-X Liensed lights	1	
8	1274200-330000	ZT310-X rear left turn signal fixing bracket	1	
9	1174200-019000	ZT310-X Rear left turning light	1	

PROCEDURE:

●Rear turning light（license lamp included）

Grip the rear turning light holder (6) then disassemble bolts(5) on the license lamp(7).

Disassemble 3pcs bolts(2) on the diagram left side, and then dismantle left fixing bracket(8) ;disassembly the screw(5) and then reomove the clip(4),take off the left turning light(9).Follow the steps above dismantle right fixing bracket(3), clip(4) and right turning light(1).

CAUTION:

●while reassembling,check there is any pressure on the cable,in case of causing short circuit when tighten the bolt.

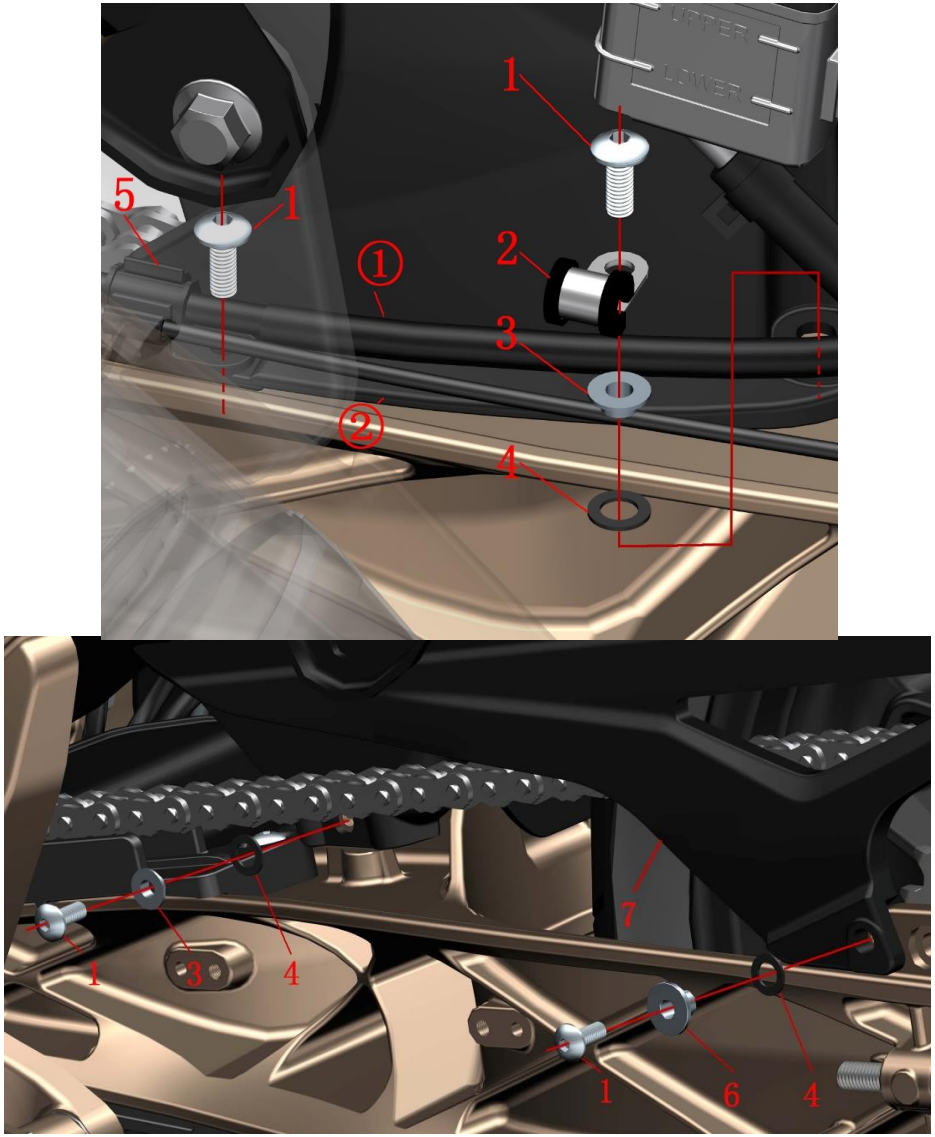


FIG.5 REAR FORKLIFT COMPONENT		Rear inner mudguard	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non-standard bolts M6X16 (stainless steel)	4	
2	1274100-088000	ZT250－R rear disc brake oil pipe clamp (steel parts/ rubber pad)	1	
3	1274100-155095	Flanged bushing φ6.2×φ8.4×3.5＋φ14×1.5(5 pcs/after-	2	
4	1241200-124021	flanging bushing buffer rubber (φ8.5×φ14×1)(5 pcs/aft	3	
5	1224201-027000	ZT310-R Rear disc brake pipe clamp(after-sale)	1	
6	1251700-059093	Reverse bush φ6.4×φ9×8＋φ18×2 (color)	1	
7	1251112-291093	grade/environmental color Zinc)(5 pcs/after-sale)	1	
8	1224200-094000	ZT310－Z rear inner mudguard	1	

PROCEDURE:

●Rear inner mudguard

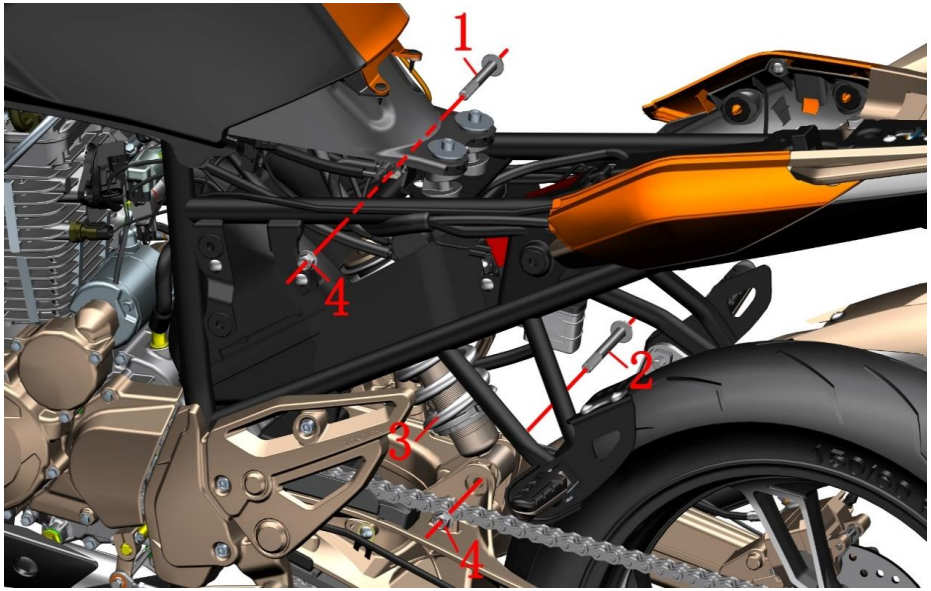
First of all, pull out the braking oil tube① and wheel speed sensor cable②, which are on the right side of rear inner mudguard,from the slot of rear disc brake oil tube cleat(5).Remove the 4 bolts(1)with the inner hexagon tool,remove the rear disc brake pipe clamp (steel parts/gluing pad)(2),and the rear disc brake pipe clamp(5),turn over the bush (3)and bush(7), and turn over the liner. Buffer glue(4). remove the rear inner fender (7)。

CAUTION：

●Use suitable tools to support the motorcycle, in case of accidents caused by motorcycle falling down. Single person operating is prohibited.

●Stay alert throughout the process to prevent accidents.

●All standard parts must meet the standard torque value when reloading.



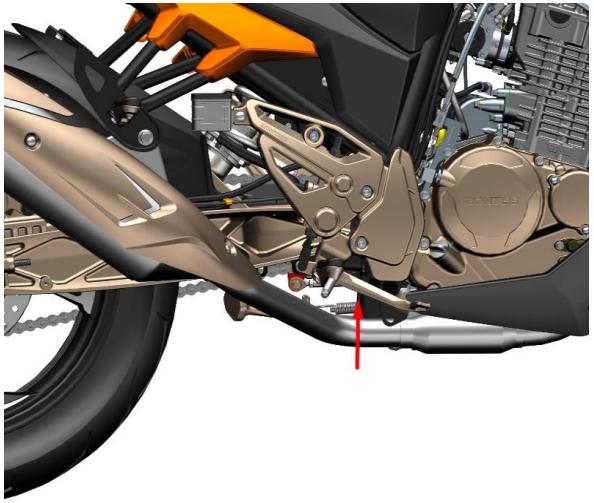




FIG.6 REAR FORKLIFT COMPONENT		Rear shock absorber	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-968093	sale)	1	
2	1251100-060000	Non-standard bolts M10×1.5×90	1	
3	1114200-020000	ZT310－X rear shock absorption (improved version)	1	
4	1251300-057093	Non-standard bolts M10X1.5	2	

PROCEDURE:

●Rear shock absorber

After the side bracket is lowered, one person's left hand will kill the direction to the left while the right hand grips and the foot pedals to tilt the vehicle to the left; the other person uses a wooden bench to press the muffler installation point on the right side of the vehicle (as shown in the lower left figure) to support the vehicle. The wheel is slightly off the ground. After the vehicle is supported, one person uses the sleeve to hold the heads of the bolts (1)and (2) respectively, and one person removes the nut (4) with a sleeve.

Person 1 shakes the rear wheel up and down slightly . Person 2 drags out bolt(2).

Person 1 holds the motorcyclefirmly . Person 2 lifts the rear shock absorber(3) towards the arrow direction and drag out bolt(1). Take off the rear absorber at last.

●Adjust the rear absorber

Use hook wrench to loosen adjustable nut① and rotate adjustable nut②. If the nut②is rotated towards the arrow direction, the spring becomes harder. Conversly, the absorber is softer. Tighten the adjustive nut① until the absorber is under suitable status. Please adjust in a reasonable range, riding experience would be influenced by either the absorber is too soft or too hard.

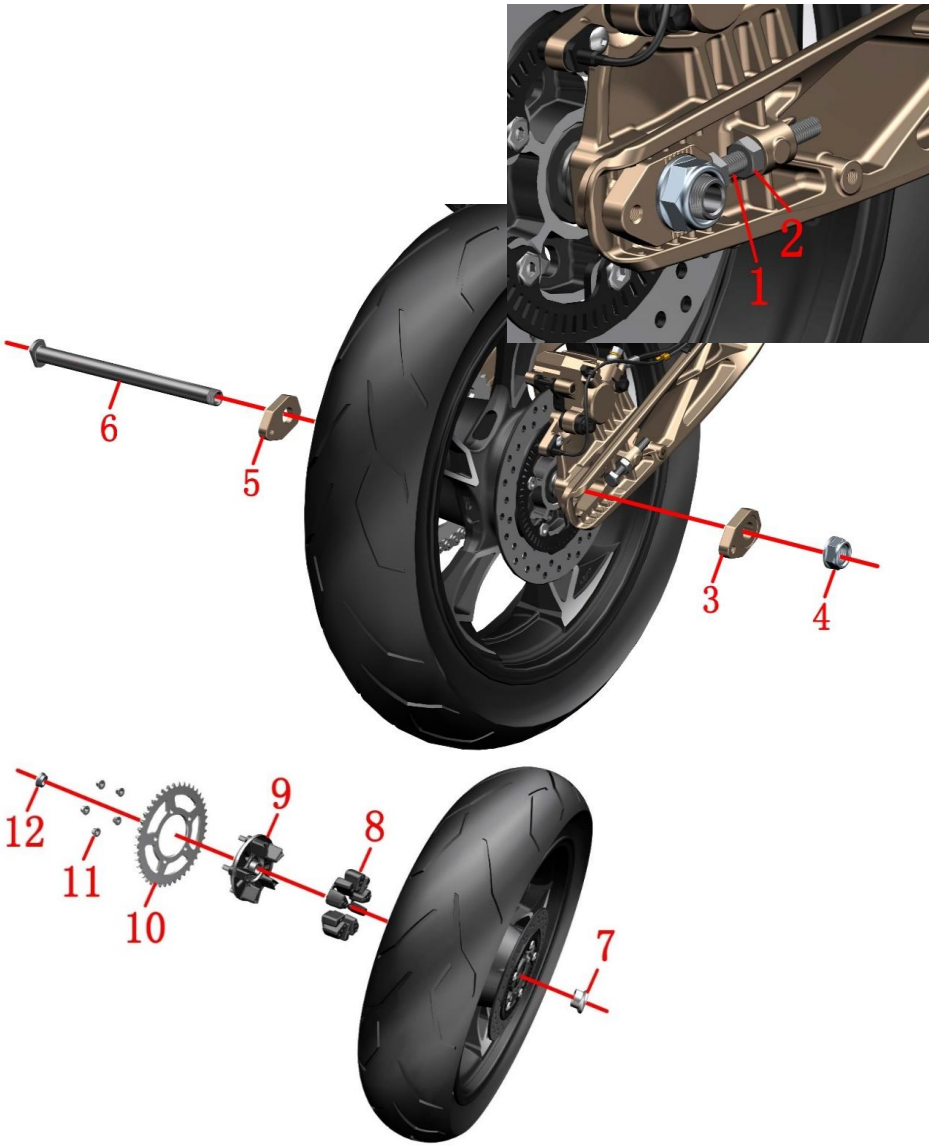
CAUTION:

●Need to disassemble cushion,left side cover, right side cover,bolts on front parts of rear skirt and rear inner fender etc.

●Use suitable tool to support the motorcycle. Avoid accidents caused by falling down. Single person operate it is prohibited.

●All the standard parts need to reach standard torque while reassembling.

FIG.7 REAR FORKLIFT	Rear wheel component 1	CHK	



COMPONENT		Rear wheel component 1	ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-105000	Adjuster bolts M10X70 (304 stainless steel)	2	
2	1251300-050000	Adjuster nut M10 (304 stainless steel)	2	
3	1032142-073035	ZT310 Right Chain adjuster (titantium Gold)	1	
4	1251300-237000	ZT250-R rear wheel hollow shaft nut(after-sale)	1	110N.m
5	1032142-072035	Left adjuster (Titanium)	1	
6	1094100-032000	ZT250-R Rear wheel hollow shaft	1	
7	1274200-002000	Rear wheel right shaft sleeve φ20×φ28×φ38×18.5	1	
8	1246500-025000	KD200-C sprocket buffer rubber	5	
9	1094200-011000	ZT310－R sprocket	1	
10	1080100-068000	ZT310 － T, 520－42 T sprocket	1	
11	1251300-057093	Non-standard bolts M10X1.5	5	
12	1274100-106000	ZT250－R rear wheel left sleeve φ20×φ30×φ35×12.9	1	

PROCEDURE:

●Rear wheel assembly

Disassemble rear wheel axle nut (4)with socket sleeve.

Use open spanner to move chain adjuster nut (2) on both sides towards rear wheel axle until they reach chain adjusting bolt (1). Then rotate the bolt and nut towards motorcycle front direction till the end.

Push rear wheel assembly towards motorcycle front direction and take off the chain from sprocket.

Tie firmly the rear disc brake clamp and avoid it to be lifted higher than disc brake oil cup. Hold the rear wheel assembly. Punch rear wheel axle(6) with rubber hammer. Take off right chain adjuster(3), rear tire and rim assembly, left chain adjuster (5),the rear wheel axle(6).Disassemble the right axle sleeve(7), left axle sleeve(12) at last.

●Sprocket bracket assembly

Put down the rear wheel assemble horizontally. Take off nut (11) with socket sleeve. Take off sprocket (10); sprocket bracket (9). Pull out the sprocket gum cushion(8) from the rim.

CAUTION:

●Use suitable tool to support the motorcycle. Avoid accidents caused by falling motorcycle. Single person manipulation is prohibited.

●Using iron hammer to punch rear wheel axle, disc brake clamp assembly is prohibitd.

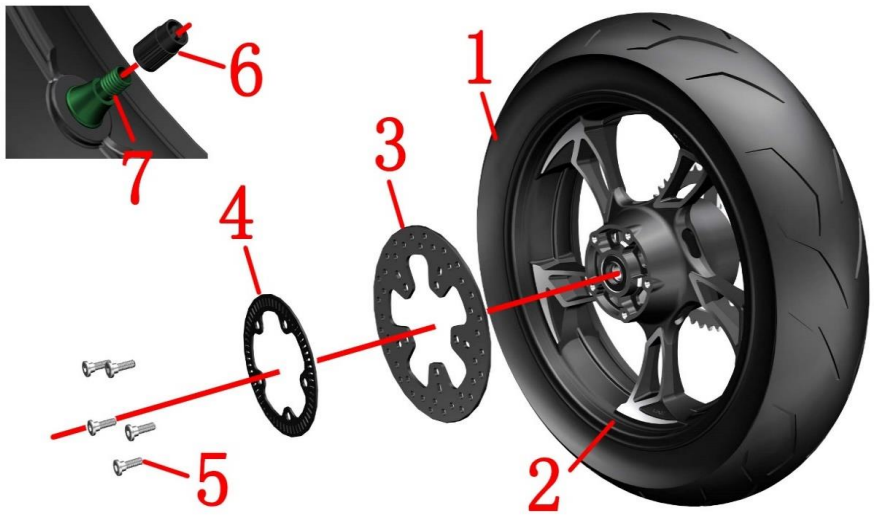
●While disassembling the rear wheel assemble, avoid the rear disc brake clamp to be lifted higher than the disc brake oil cup. If not, air will get into the tubes and cause softness or failure on braking system. As disc brake tubes request extreamly high vaccum degree. Make sure manipulator has maintenance ability before disassembling the disc brake assembly.

●All the standard parts need to reach standard torque while reassembling.

●Check the chain regularly. Clean the chain every 1500km is suggested. Keep the tightness of chain to be in a suitable range. Too loose chain have possibility to separate from sprocket or damage the engine. Too tight chain can be worn out quickly.

●Wheel axle: Use dial indicator to check if it's deformed or bended.

FIG.8 REAR FORKLIFT COMPONENT	Rear wheel component 2	CHK ADJ	



NO.	PART NO.	PART NAME	QTY	CAUTION
1	1230100-207000	150/60R17TL environmental protection vacuum tire (CM609)	1	250kPa
2	1094200-020000	ZT310－T black rear wheel rim(4.5×17)	1	orange/ gray /special black
	1094200-042063	ZT310－R blue rear wheel 4.5 (4.5×17)		black
3	1100100-419000	ZT310－R1 rear brake disc (230×4.5)	1	
4	1274200-058000	ABS induction ring (60 teeth)	1	
5	1251100-117093	Non－standard inner hex bolt M8×25(color zinc)	5	
6	1230200-006000	HJ100－D tire valve cap	1	
7	1230100-047000	Environmental vacuum tyre valve spile(TR－412)	1	

PROCEDURE:

●Disc brake plate, ABS gear ring

Disassemble bolt(5)， Then take down the ABS gear ring(4) and the disc brake plate(3).

●Tire and rim assembly

Delphi EFI: Disassemble tire valve cap(6) . Deflate the tire with tools. Then disassemble the rear tire(1) with professional tire changing machine. Disassemble the tire valve(7) with suitable tool.

●Maintainence

Tire: Check regularly the tire on cracks and air pressure.If the tire is ware to the marker, change the tire with same specification. See details in user manual. Ingradiant of tire include semi hot melt rubber. Area with too high temperature is not suitable. If temparature of outdoor is too low, storing the motorcycle in warm place or indoor is suggested in order to avoid frost crack. Normal temperaturestandard 250kPa.

Rim: Check if the rim has deformation or crack. Support the rim horizontally and check if it can rotate smoothly. Specification of oil seal on rear rim is φ47×φ28×7. Bearing type: 6204-2RS。

Disc brake plate: Thickness can not be less than 4mm. If not, change it.

CAUTION:

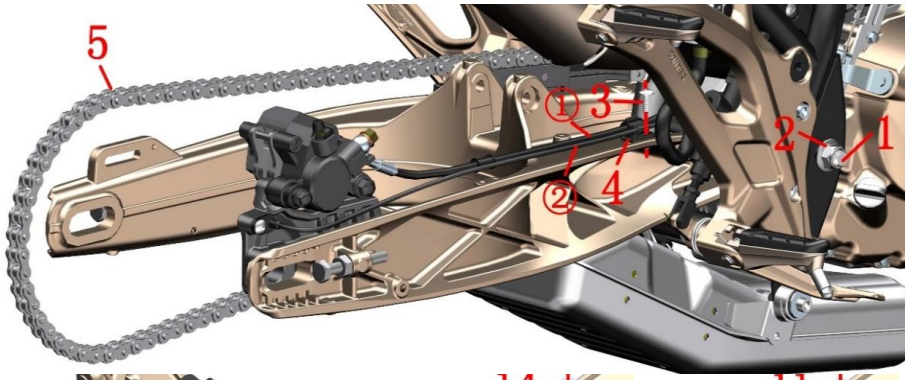
●Be careful when removing tires and rims to prevent damage.

●After replacing the tire, check for air leakage and balance.

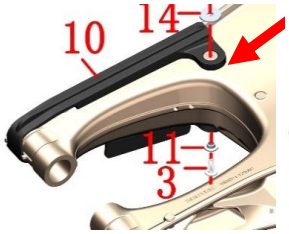
●Defective tire repair may corrode the rim and cause safety hazards.

●Tire pressure may cause abnormal wear; There is a risk of excessive tire pressure in summer.

●After replacing the brake disc, it should be about 300 km to be fully integrated to achieve the best braking effect. Adequate braking distance should be set aside during grinding.







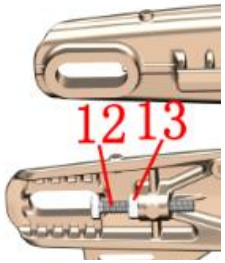
Improvements rear fork anti-bearing block



Old rear fork anti-bearing block



Improvements rear fork anti-bearing block







Old rear fork anti-bearing block



A special chain installation tool is required.
This chain does not contain tools and must be purchased separately.

●If your motocycle manufactured before Set.2,2019,it's need to be accompained by the purchase of non-standard flat mats⑭when replace Rear fork anti-bearing block ⑩.

FIG.9 REAR FORKLIFT COMPONENT		Rear forklift component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1252200-016093	250 rear fork shaft φ14×310 (color zinc)	1	
2	1251300-059093	Rear fork shaft nut M14×1.5 (color zinc)	1	
3	1251100-102000	Non－standard bolt M6×16(304 stainless steel)	3	
4	1224201-027000	ZT310-R Rear disc brake pipe clamp(after-sale)	1	
5	1080200-032000	ZT250－S chain(CHOHO520HX)	1	
	1080200-055000	ZT250－R 114 section chain (CHOHO520HX/open type)		【1】
6	1104100-005000	ZT250－S oil－sealed TC20×26×4	4	only for after-sale service
7	1094100-070000	ZT250-S needle bearing (HK2016)(after-sale)	4	
8	1274100-009000	ZT250－S rear fork shaft sleeve	2	
9	4024100-024000	ZT250 aluminum rear fork assembly(bearing/oil sealing)	1	
10	1244100-066000	Rear fork anti-bearing block	1	
11	1274100-155095	pcs/after-sale)	2	
12	1251300-050000	Adjuster nut M10 (304 stainless steel)	2	
13	1251100-105000	Adjuster bolts M10×70 (304 stainless steel)	2	
14	1251500-097000	Non－standard flat gasket φ6.5 × φ22 × 1.5 (l protection color)	1	

PROCEDURE:

●Rear fork assembly

Pull off the disc brake oil pipe①and wheel speed sensor② from the disc brake oil pipe clamp(4),loosen the bolt(3) and take off the disc brake oil pipe clamp.

The rear disc brake caliper is placed well and cannot be higher than the disc brake oil cup,as shown in left figure.

One person fastens the head of the rear fork shaft⑴with sleeve, and the other person remove the nut(2)with it.

One person holds the rear fork assembly and the other person removes the rear fork shaft(1) with suitable tool and then remove the rear fork assembly.

●Rear fork rear-resistant block

Remove the bolt(3),flanging bushing(1) with inner hexagon tool, and then remove the wear-resistent block⑽

Remove the chain adjuster bolt(12) and nut(13) with the open end wrench.

Put the rear fork bushing (8) inward and remove it.

Oil seal (6) and needle bearing (7) are used for interference compression.

Please ensure that you have the ability to disassemble and disassemble.

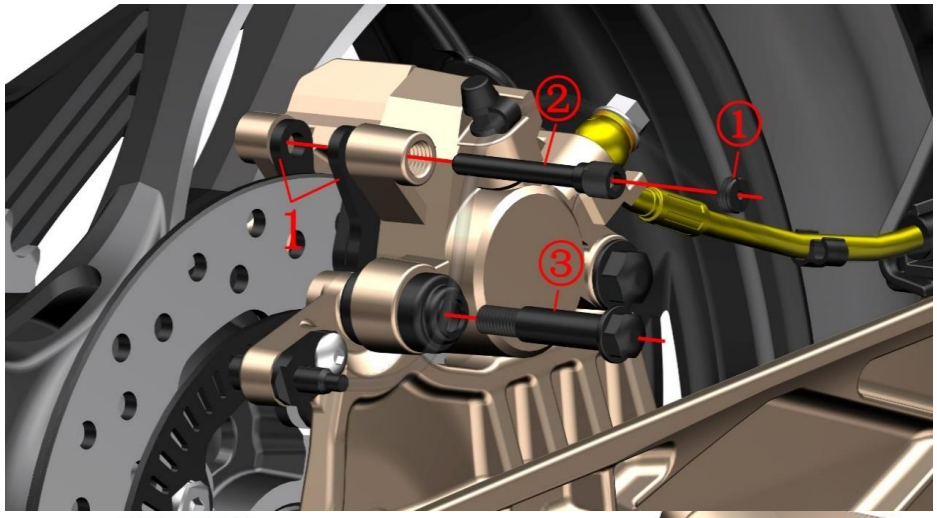
CAUTION:

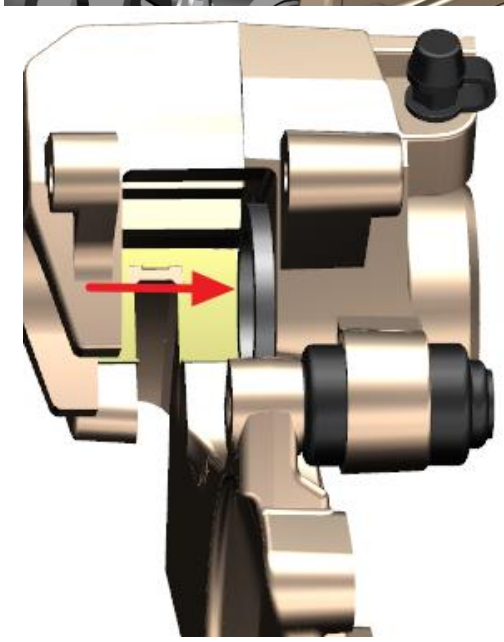
●Make sure the motorcycle is fixed during the process of discomponent.

●It is forbidden to use the hammer to tap the hollow shaft thread part of the rear wheel.

●The rear disc brake caliper must not be higher than the disc brake oil cup, otherwise the brake will become soft or fail due to air entering the pipeline. Because the brake line requires extremely high vacuum, it is necessary to ensure sufficient capacity for repair and disassembly.

●【1】The open type is convenient for replacing the chain after sale, and the original vehicle has no opening. A special chain installation tool is required, and the tool must be purchased by yourself.





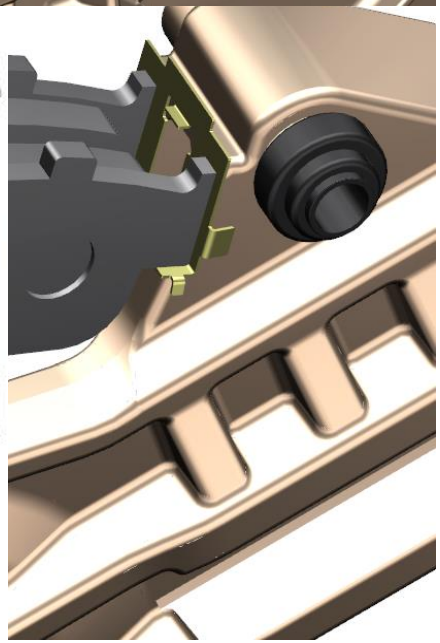


FIG.10 REAR FORKLIFT COMPONENT		Change rear brake arresters	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1100100-092000	Rear disk brake shoe (HS10)	1	After sales

PROCEDURE:

●Get rid of brake shoe

Remove the nut with a screwdriver ①.

Remove the pin shaft ② with the inner hexagon tool.

Use the sleeve to remove the sliding shaft ③.

Remove the rear disc brake (1).

●Replace brake shoe

Push the clamp piston to the end of the arrow, as shown in the lower left corner. In order to reduce the resistance, the cross bolts on the main pump oil cup can be removed before removing the upper cover and sealing rubber pad. After all, you should recover in time.

Replace the new disc brake disc, the brake disc must be stuck to the card slot, as shown in the lower right corner.

Lock the pin shaft ② with the inner hexagon tool.

Use the sleeve to lock the sliding shaft ③.

Lock the nut ① with a screwdriver.

Repeatedly step on the brake pedal until the braking force is restored.

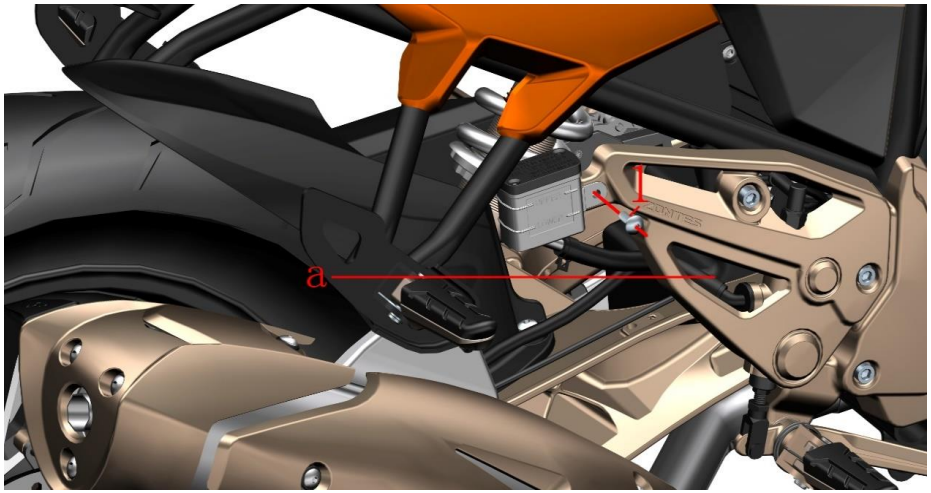
CAUTION:

●Check the brake disc and brake disc on a regular basis.

●It is suggested that the qualified maintenance unit should replace the brake disc in pairs.

●Please refer to the "pedal, shift lever assembly" for adjusting the height of the brake pedal to the appropriate position after replacement.

●After replacing the brake disc, it should be about 300 km to be fully integrated to achieve the best braking effect. Adequate braking distance should be set aside during grinding.



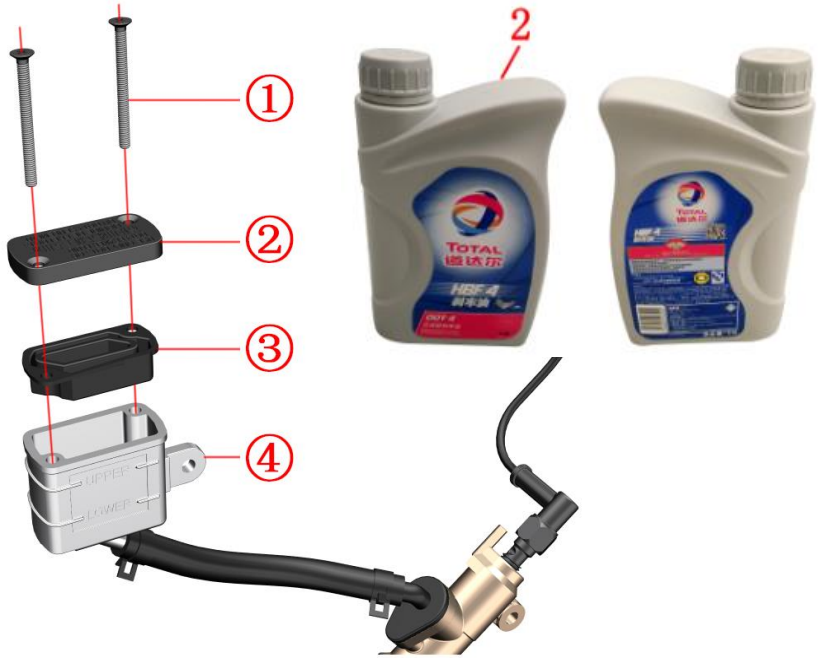


FIG.11 REAR FORKLIFT COMPONENT		Add the brake oil to the main pump or rear brake	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non-standard bolts M6c×16 (304 stainless steel)	1	
2	3070100-008600	Fully synthetic brake oil DOT4 (1L bottle)	1	【1】

PROCEDURE:

●Add the brake liquid

Remove the bolts with the inner hex tool(1).

Pull out the oil cup④Should always remain above the line a, parallel to the ground, to prevent the gas from entering the oil road to cause brake failure.

Remove the bolts with the phillips screwdriver①.

Remove the oil lid②seal the rubber pad③.

The top end of the oil cup④is basically parallel to the ground, adding DOT4 brake fluid; Make sure the liquid level is between "UPPER" and" LOWER".

Reset

Step on the brake pedal continuously and make sure that the motorcycle can be driven when the brake is back to normal.

CAUTION:

●The motorcycle level should be fixed and checked.

●Periodically check whether the liquid level of the brake fluid is between "UPPER" and "LOWER".

●If the liquid level is below "LOWER", check the brake disc wear condition and the brake system leakage first.

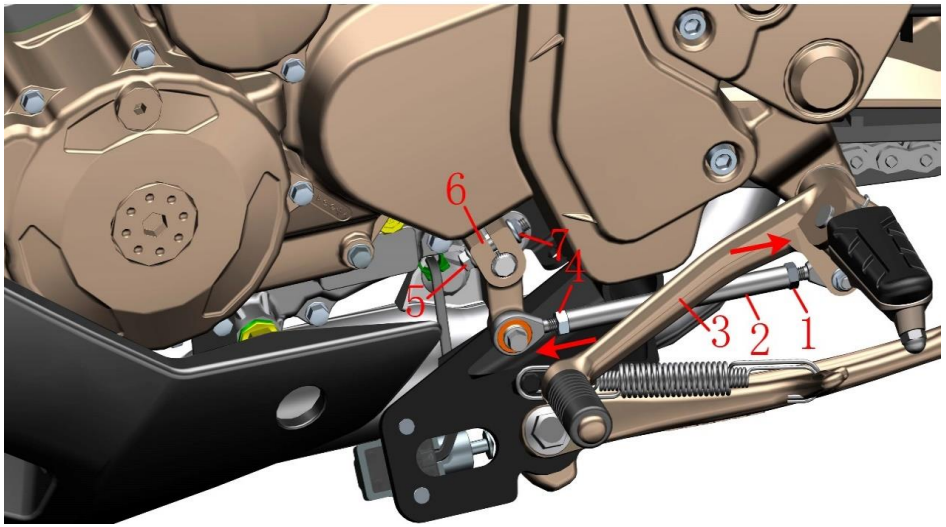
●If swallowed brake fluid, the poison control center or hospital should be contacted immediately; If eye contact, apply clean water and seek medical treatment immediately.

●Keep the brake fluid away from children and pets.

●Do not flush the oil cup directly with high pressure water.

●It is strictly prohibited to mix water, dust, impurities and liquids of silicic acid or petroleum systems, otherwise it will cause serious damage to the braking system.

●【1】Each bottle is 1 liter. It must be used in time after opening, and sealed and moisture-proof measures must be taken when storing; it is recommended not to exceed 1 month. Inferior or damp brake fluid will cause adverse effects on the braking system, and may cause brake failure when the impact is severe. Be sure to change the brake fluid at a maintenance shop with brake fluid replacement equipment and technology to avoid air entering the brake pipeline.



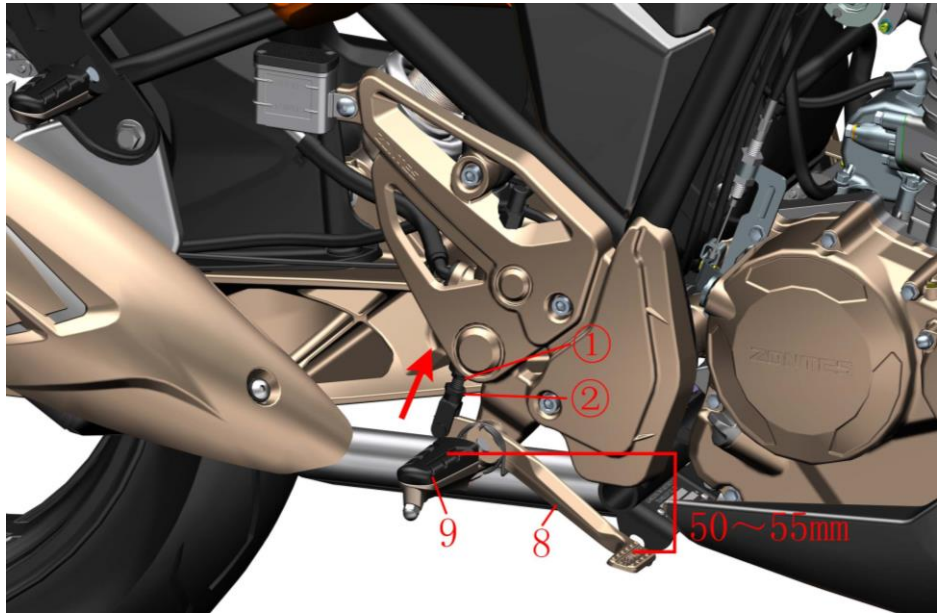


FIG.1 PEDAL COMPONENT		Pedal height adjustment	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1050301-116093	GB6170 M6-LH(color Zinc)(5 pcs/after-sale)	1	
2	1274100-096000	ZT250－R shift lever adjustment screw	1	
3	1274201-050000	ZT310-T shift lever step rocker(after-sale)	1	
4	1250301-049093	GB6170M6 (environmental color)(5 pcs/after-sale)	1	
5	1250104-016093	GB16674M6×28 (chroming)	1	
6	1274101-042000	ZT250-S shift lever spline rocker arm(after-sale)	1	
7	1250303-040093	GB6177.1M6 (environmental color)(5 pcs/after-sale)	1	
8	1274101-044000	ZT250-R brake pedal(after-sale)	1	
9	1274200-059000	ZT310－X front right footrest	1	

PROCEDURE:

●Shift lever height adjustment

With open end wrench nut (1), nut (4), respectively, in the direction of the arrow to loosen, turn adjusting screw with 8 # open end wrench on the groove position adjustment to the appropriate height, then lock nut (1), nut (4). If above method suitable position once the nut, bolt (5) and (7)can be removed, use a screwdriver to spline radial (6) the middle slot open slightly pull out at the same time, transferred to the appropriate height after assembly, pay attention to align the middle of the spline grooves.

●Brake pedal height adjustment

With open end wrench nut (2) in the direction of the arrow to loosen, turn adjusting screw (1) to being stamped on the brake pedal (8) position control and the top of the foot (9)'levies below 50 to 55 mm. The adjusting screw (1) fixed lock nut (2) again.

CAUTION:

●The motorcycle should be supported in the adjustment process to prevent accidental damage.

●The lever height of the shift lever should be reasonable, otherwise it will affect the driving experience.

●The brake pedal height should be reasonable, otherwise the brake disc and the brake disc will always have friction to affect the service life, which may lead to brake failure.

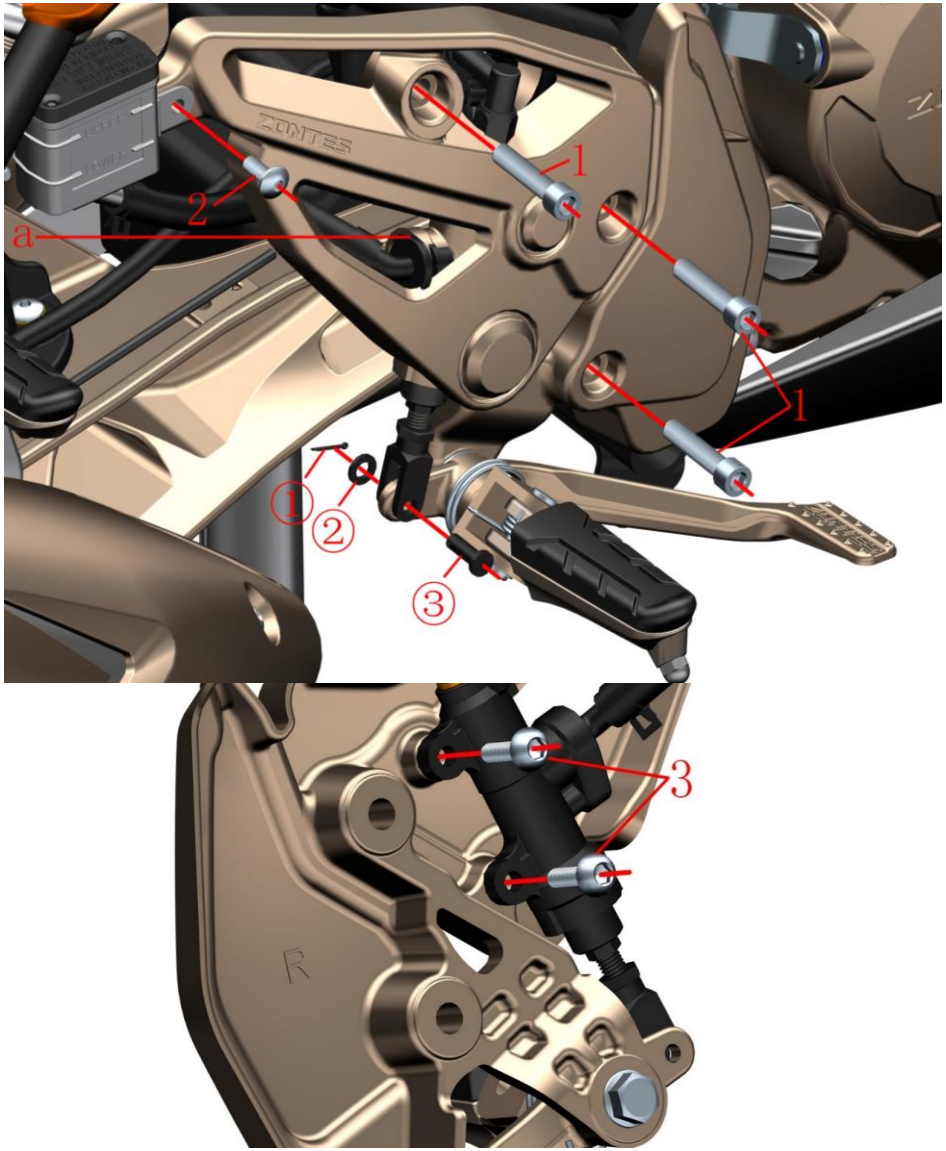


FIG.2 PEDAL COMPONENT		Right pedal support component-1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250205-023000	GB70.1 inner hexagonal M8X35 (environmental color)	3	
2	1251100-102000	Non－standard bolt M6×16(304 stainless steel)	1	
3	1251100-121093	Non-standard bolts M6X25 (environmental color)	2	

PROCEDURE:

●Right foot pedal support component

Remove the bolt (2), the oil cup should always be kept higher than the line a parallel to the ground to prevent gas from entering the oil circuit and causing brake failure.

Use pliers to remove the opening pin ① and remove the washer ② and pin ③.

Remove the bolts (1) with the inner hex tool.

Turn the right foot bracket component to the back and remove the bolt (2).

CAUTION:

●When turning over to the back, protect the foot stand and the nearby parts to prevent scratches.

●When flipping, pay attention to force to prevent damage to the disc brake pipe.

●In the process of disassembly, the motorcycle should be properly supported to prevent accidental incline.

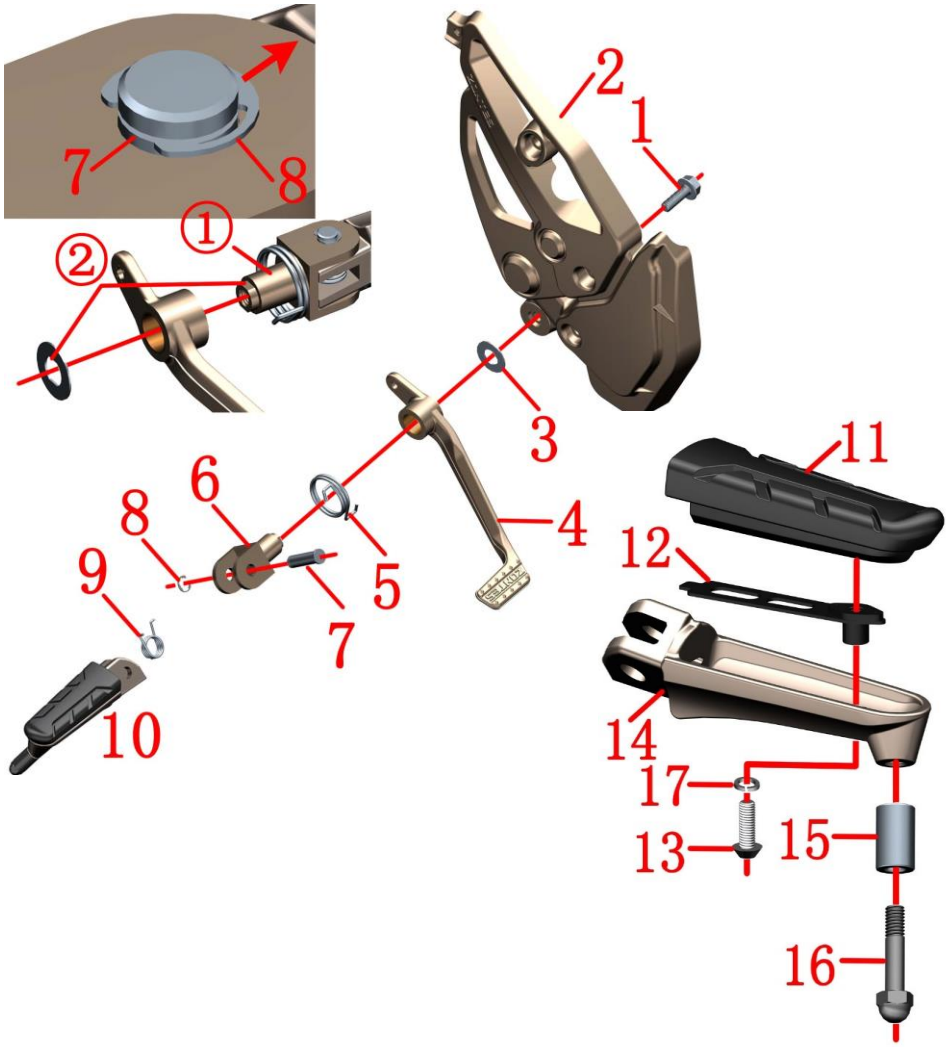


FIG.3 PEDAL COMPONENT		Right pedal support component-2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-123093	Non-standard bolts M8X25 (environmental color)	1	
2	1274100-091000	ZT250－R right foot pedal	1	
3	1251700-323000	ZT250-S Pedal support gasket(5 pcs/after-sale)	1	
4	1274101-044000	ZT250-R brake pedal(after-sale)	1	
5	1260100-092000	ZT250－S rrake pedal torsional spring	1	
6	1274101-036000	ZT250-S Foot pedestal (titanium)(after-sale)	1	
7	1274100-012000	ZT250－S Pedal pin	1	
8	1264100-006000	ZT250－S Pedal circlip	1	
9	1264100-004000	ZT250－S front right foot pedal torsional spring	1	
10	1274200-185000	ZT310－X front right pedal assembly (improved)	1	
11	1244200-024000	ZT310－X footrest gum cover	1	Pedal after sale parts
12	1274200-051000	ZT310－X footrest gum cover fixed plate	1	
13	1250205-289000	GB70.2M5×12 (stainless steel)(5 pcs/after-sale)	1	
14	1032142-042000	ZT310－X front right pedal	1	
15	1274200-254093	Bush Φ12×Φ6×19 (environmental color)	1	
16	1251100-224000	Non－standard ball stud M6 × 26	1	
17	1250501-010000	GB93φ6 spring pad	1	

PROCEDURE:

●Front right pedal assembly

Use the tool to remove the circlip(8), remove the pedal pin(7),and then remove the front right pedal assembly(10) and the pedal torsion spring (9).

●brake pedal

Use a sleeve to remove the bolt (1), and pull out the pedal support (6) in the axial direction. Remove the spacer (3), the right foot pedal bracket (2); remove the brake pedal (4). Remove the brake pedal torsion spring (5).

●Foot aftersales service parts

Grasp the front right pedal (10), use a tool to remove the bolt (13), and remove the spring washer (17). Remove the rubber sleeve (11) and the fixing piece (12). Remove the bolt (16) and remove the bush (15).

CAUTION:

●Apply lubricating grease evenly on the surface of the pedal support of ① to reduce the resistance of the brake pedal.

●When reassembling, pay attention to the alignment of the support gasket and the support boss to fit in place, such as ②

●During the disassembly process, the vehicle support should be fixed to prevent accidents caused by dumping.

●When replacing the wearing parts with rubber pedals separately, make sure that the assembly is correct

●Motorcycles produced after March 11, 2020 will switch to new pedals.

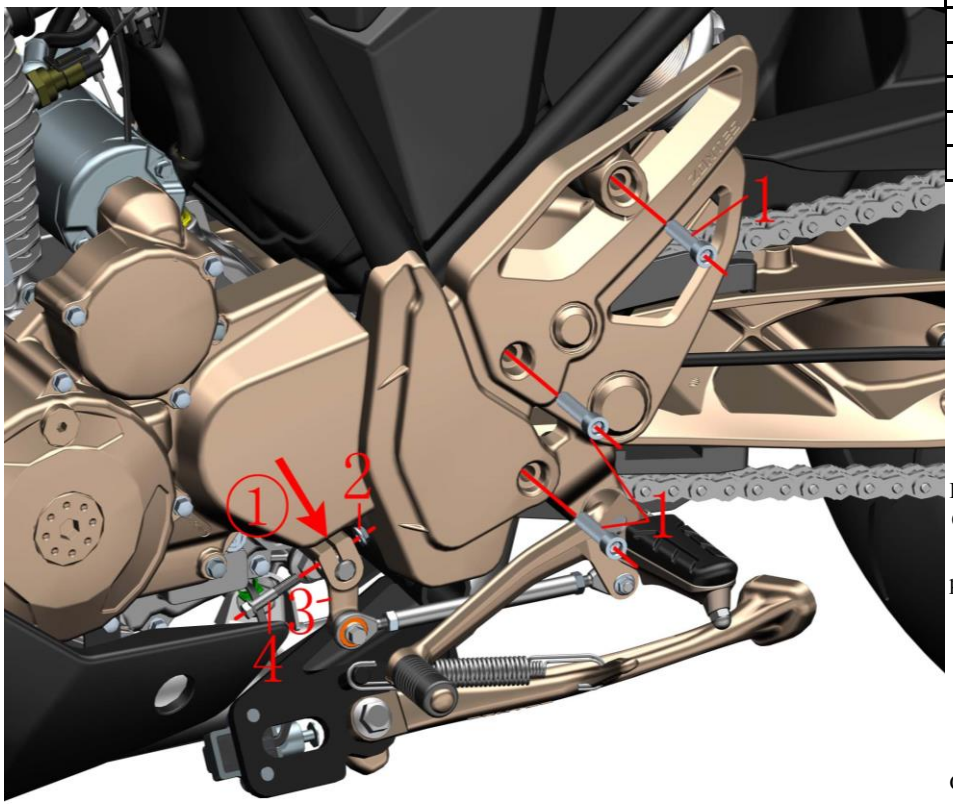


FIG.4 PEDAL COMPONENT		Left pedal support component-1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250205-023000	GB70.1 inner hexagonal M8X35 (environmental color)	3	
2	1250303-040093	GB6177.1M6 (environmental color)(5 pcs/after-sale)	1	
3	1274101-042000	ZT250-S shift lever spline rocker arm(after-sale)	1	
4	1250104-016093	GB16674M6×28 (chroming)	1	

PROCEDURE:

●Left foot pedal support compenent

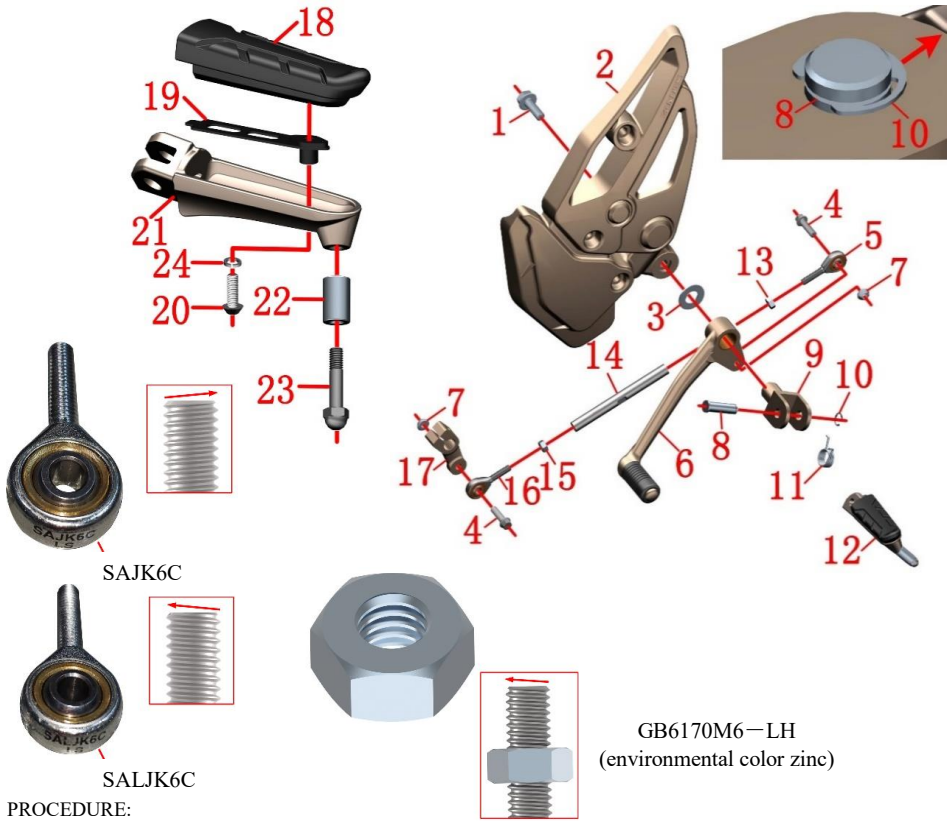
Remove the nut (2) by using the spanner wrench, remove the bolt (4), and insert a screwdriver into the slot ① to push the spline rocker (3) slightly apart and pull it out from the engine shift shaft.

Remove the bolts (1) with the inner hexagon tool and remove the left foot support components.

CAUTION:

●Open the spline rocker arm to take care of the strength to prevent damage.

●In the process of disassembly, the motorcycle should be properly supported to prevent accidental incline.



PROCEDURE:

●Front left foot pedal

Remove the tool to remove the card spring (10), the foot pin shaft (8) will be removed, then the front left foot step (12), foot twist spring (11)

●Shift lever component

Remove the bolt (1) with a plum spanner and pull the foot support (9) in the direction outward. Remove the support pad(3) and the left foot bracket (2); Remove the shift lever assembly.

Once with a ring spanner remove the nut (7), bolt (4), the shift lever treadle rocker rocker arm (6), shift lever key rocker arm (17) removed.

Loosen the nut (13) 、(15) with the open spanner, remove the adjusting rod (14),and then separate the joint bearing(5) 、(16).Finally,Remove the nut(13)、(15)。

●Foot pedal with rubber for after sales service

Hold the left front pedal(12)， and remove the bolt (20)with tool，.Remove the spring pad(24)、rubber sleeve (18) 、 fixing piece(19)、left pedal(21)。Remove the bolt(23)，then take off the bushing（22）.

FIG.5 PEDAL COMPONENT		Left pedal support component-2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-123093	Non-standard bolts M8X25(environemntal color)	1	
2	1274100-092000	ZT250－R left foot pedal	1	
3	1251700-323000	ZT250-S Pedal support gasket(5 pcs/after-sale)	1	
4	1251100-870000	M6×22 Hex flang bolt thread (8.8 garde/environmental color Zinc)(5 pcs/after-sale)	2	
5	1274101-029000	Miniature rod end ball bearing SALJK6C(after-sale)	1	
6	1274201-050000	ZT310-T shift lever step rocker(after-sale)	1	
7	1250303-040093	GB6177.1M6 (environmental color)(5 pcs/after-sale)	2	
8	1274100-012000	ZT250－S Pedal pin	1	
9	1274101-036000	ZT250-S Foot pedestal (titanium)(after-sale)	1	
10	1264100-006000	ZT250－S Pedal circlip	1	
11	1264100-003000	ZT250－S front left foot pedal torsional spring	1	
12	1274200-193000	ZT310－X front left pedal assembly (improved)	1	
13	1050301-116093	GB6170 M6-LH(color Zinc)(5 pcs/after-sale)	1	
14	1274100-096000	ZT250－R shift lever adjustment screw	1	
15	1250301-049093	GB6170M6 (environmental color)(5 pcs/after-sale)	1	
16	1274101-028000	Miniature rod end ball bearing SAJK6C(after-sale)	1	
17	1274101-042000	ZT250-S shift lever spline rocker arm(after-sale)	1	
18	1244200-024000	ZT310－X footrest gum cover	1	Foot sales parts
19	1274200-051000	ZT310－X footrest gum cover fixed plate	1	
20	1250205-289000	GB70.2M5×12 (stainless steel)(5 pcs/after-sale)	1	
21	1032142-041000	ZT310－X front left pedal	1	
22	1274200-254093	Bush Φ12×Φ6×19 (environmental color)	1	
23	1251100-224000	Non－standard ball stud M6 × 26	1	
24	1250501-010000	GB93φ6 spring pad	1	

CAUTION:

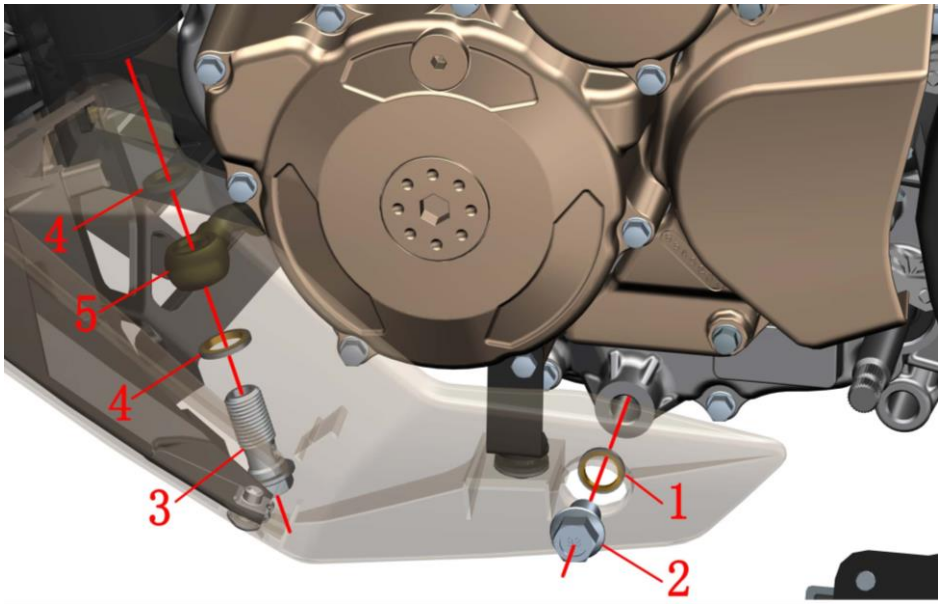
●In the process of removing, you should fix the bike to prevent from the accident.

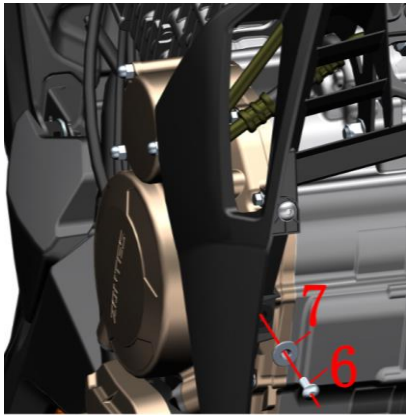
●Pay attention to the hexagonal nuts at both ends of the joint bearing and adjusting rod (the right hand side of the engine shift shaft, near the foot to the left) when reassembling.

●Pay attention to the alignment of the support gasket and the support flange to assemble in place.

●It can reduce the resistance of Shift lever rocker arm by applying lubricating grease evenly on the surface of foot support cylinder.

●Since 20th Mar 2020,add a spring washer(24) prevent the pedal rubber sleeve from loosening.





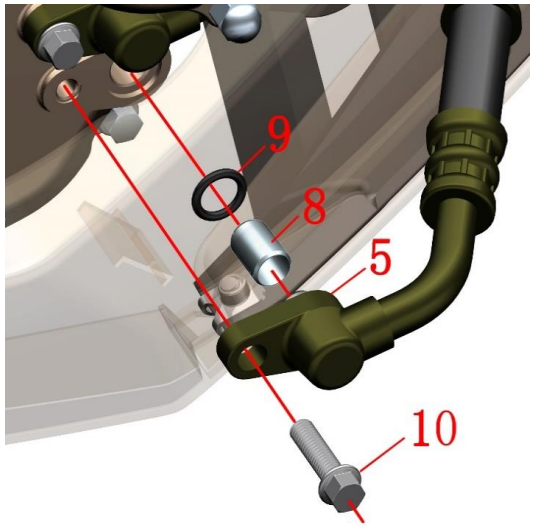


FIG.1 RADIATOR SYSTEM COMPONENT		Release the engine oil	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1244100-033000	Combined sealing gasket12×φ20×2	1	
2	1251100-066093	M12×1.5×15 oil drain bolt (color zinc)	1	24±4N.m
3	1251100-089094	Oil bolt M14×1.50×32(color zinc)	1	
4	1244100-034000	Conbination sealing gasket φ14×φ20×2	2	
5	1244100-070000	Engine oil intake pipe	1	
6	1251100-102000	Non-standard bolts M6×16 (304 stainless steel)	1	
7	1274101-015000	ZT250-S flanging sleeve(φ6.4×φ9×6＋φ20×2)(5 pcs/af	1	
8	1251401-013000	φ10×14 dowel pin(5 pcs/after-sale)	1	
9	1051454-014000	9.8×2.5 Acrylate rubber o－rings	1	
10	1251100-870000	color Zinc)(5 pcs/after-sale)	1	

PROCEDURE:

●Put on the engine oil

Place the oil pan at the bottom, use the sleeve to remove the oil bolt (2) and combination sealing gasket (1), and then remove the remaining oil in the engine. Remove the oil bolts (3) and the sealing gasket (4) to remove the oil from the frame tube. Clean all the material with a clean non-woven cloth. Refer to the instructions for detailed steps to replace the oil.

●Right lower fairing cover

Use the inner hex tool to remove the bolts (6) and the flange (7). The guide cover should not be removed completely.

●Engine oil intake pipe

Remove the bolt (9) with the sleeve, pull the engine into the tubing (5) and pull it out, and remove the O-shape ring (9) and the pin(8).

CAUTION:

●It is strictly forbidden to remove the cooling system in the heat engine, and it should wait for the engine and muffler to completely cool down before it can be removed.

●The waste oil needs to be uniformly recovered and returned to the qualified institutions; It is forbidden to dump pollution or water sources at will.

●It is recommended to replace the oil in the oil at the same time and replace the oil bolts, combination gasket and O-shape ring to prevent oil leakage.

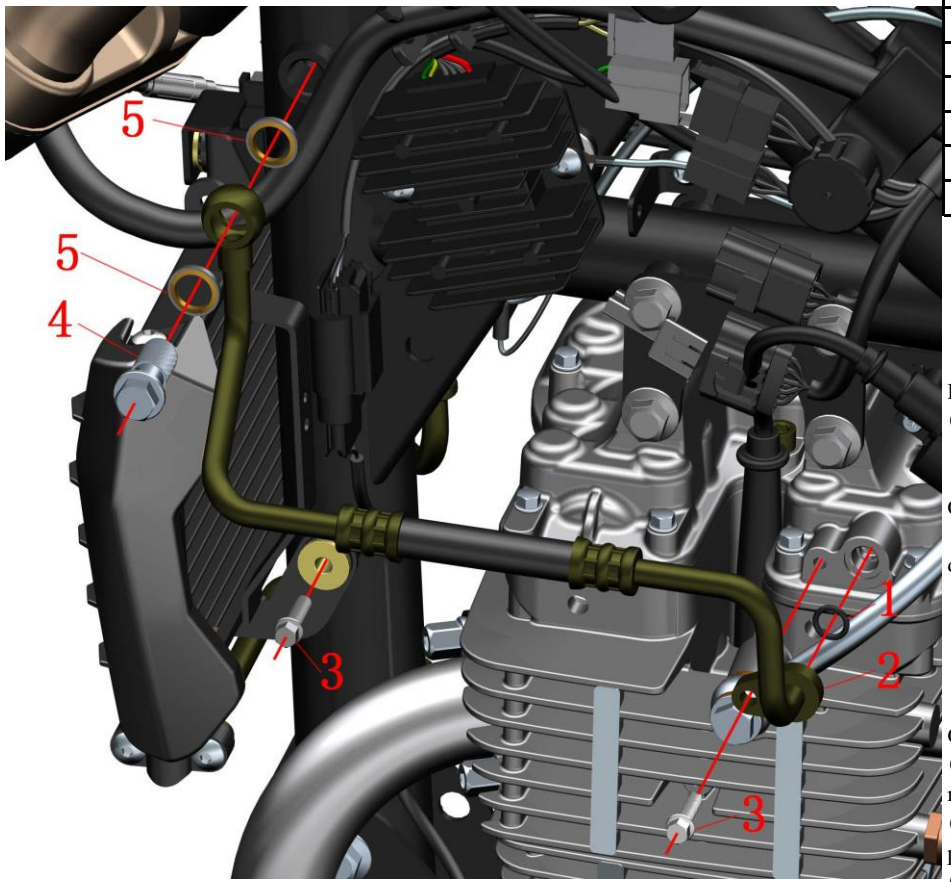


FIG.2 RADIATOR SYSTEM COMPONENT		The oil pipe near the frame	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1051454-014000	9.8×2.5 Acrylate rubber o－rings	1	
2	1244100-071000	ZT250－R Frame bypass oil pipe	1	
3	1251100-870000	M6×22 Hex flang bolt thread (8.8 garde/environmental color Zinc)(5 pcs/after sale)	2	
4	1251100-089094	Oil bolt M14×1.50×32（environmental zinc）	1	
5	1244100-034000	Combination seal gasketφ14×φ20×2	2	

PROCEDURE:

●Frame bypass oil pipe

Remove oil bolt (4) and combination seal gasket (5) with sleeve.

Remove the bolt (3) near the engine with a sleeve. Then remove the frame bypass tube, and finally remove the O-shape ring (1).

Remove the bolt (3) near the muffler elbow upward side with a sleeve. If you do not need to remove the heat dissipation assembly, do not remove the bolt.

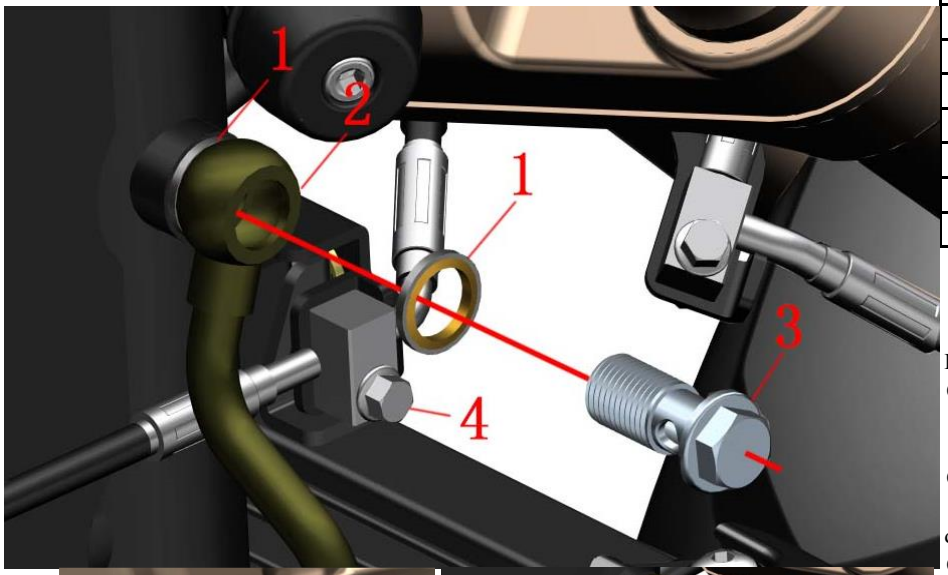
CAUTION:

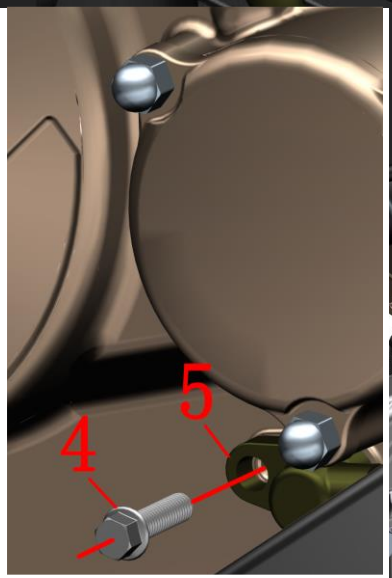
●It is forbidden to disassemble the heat dissipation system when it is warmed up. Wait for the engine and muffler to cool completely before disassembling.

●The waste oil needs to be recycled and handed over to a qualified organization; it is forbidden to dump the polluted environment or water at will.

●Violation is strictly prohibited when removing the bypass pipe from the frame so as to avoid deformation of the sleeve.

●It is recommended to replace oil drain bolts, combination seal gasket, and O-shape ring to prevent oil leakage every time you change the oil.





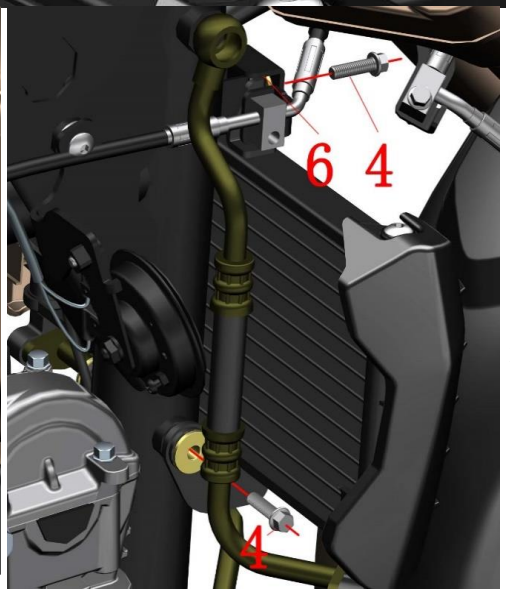


FIG.3 RADIATOR SYSTEM COMPONENT		Radiator component-1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1244100-034000	Combination seal gasket φ14×φ20×2	2	
2	1244100-069000	ZT250－R Oil cooler outlet pipe	1	
3	1251100-089094	Oil bolt M14×1.50×32（environmental color zinc）	1	
4	1251100-870000	color Zinc)(5 pcs/after-sale)	3	
5	1244100-068000	ZT250－R Oil cooler inlet pipe	1	
6	1274100-079000	ZT250－R Front disc brake tube bracket 2	1	

PROCEDURE:

●Oil cooler outlet pipe

Remove the oil bolt (3) with a sleeve and remove the seal gasket (1).

Remove the bolt (4) with a tool.

●Oil cooler inlet pipe

Remove the bolt (4) with the sleeve and pull the connector of the oil cooler inlet pipe (5) outward in the axial direction.

●Heat dissipation assembly

Remove the bolt (4) near the bottom of the heat dissipation with a sleeve; then remove the bolt (4) on the front of the heat dissipation and remove the tube bracket (6). Remove the heat dissipation assembly.

CAUTION:

●It is forbidden to disassemble the heat dissipation system when it is warmed up. Wait for the engine and muffler to cool completely before disassembling.

●The waste oil needs to be recycled and handed over to a qualified organization; it is forbidden to dump the polluted environment or water at will.

●When disassembling the oil cooler inlet pipe, violent operation is strictly prohibited to avoid deformation of the liner.

●It is recommended to replace oil drain bolts, combination seal gasket, and O-shape ring to prevent oil leakage every time you change the oil.

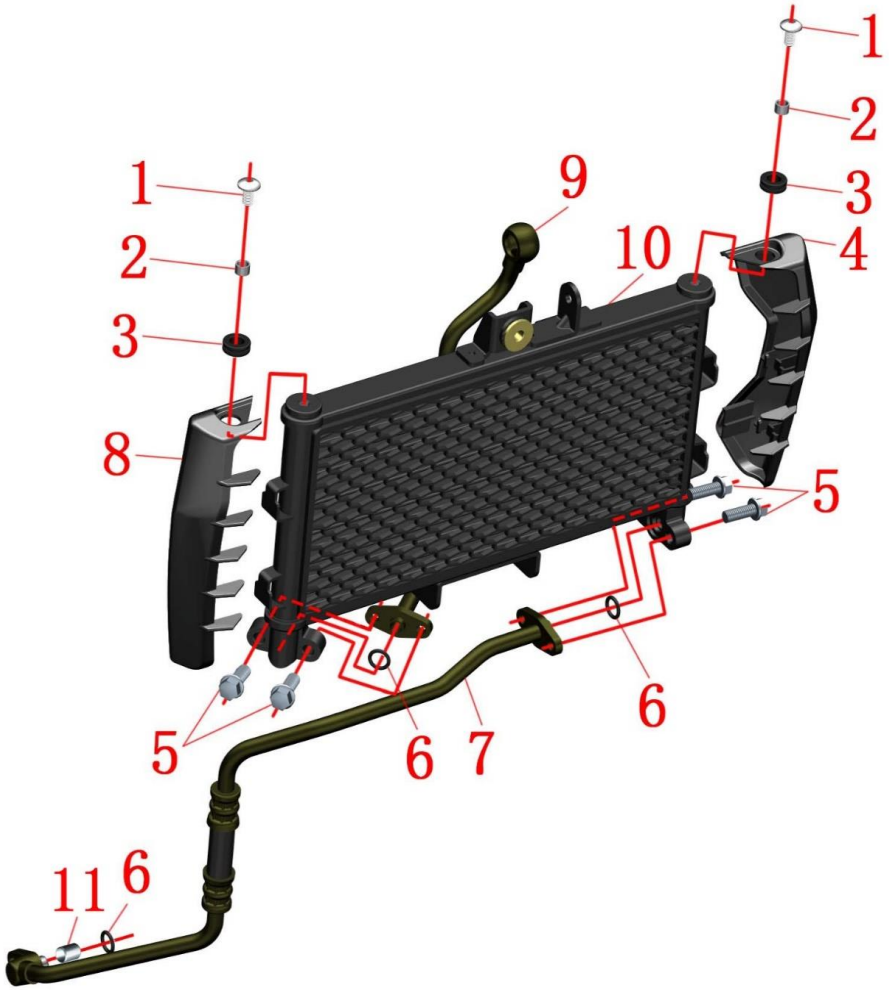


FIG.4 RADIATOR SYSTEM COMPONENT		Radiator component-2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	2	
2	1274101-025000	ZT250-S muffler anti-hot plate sleeve(5 pcs/after-sale)	2	
3	1246400-317000	ZT368T-G muffler hot plate rubber buffer(5 pcs/after-s	2	
4	4044101-004036	ZT250－R oil cooler left decorative cover (dark gray)	1	
5	1251100-102000	Non-standard bolt M6×16 (304 stainless steel)	4	【1】
	1251112-291093	GB16674 M6×16 Hexagon flange bolts (9.8 grade/environmental color Zinc)(5 pcs/after-sale)		
6	1051454-014000	9.8×2.5Acrylate rubber o－rings	3	
7	1244100-068000	ZT250-R Oil cooler inlet pipe	1	
8	4044101-005036	ZT250－R oil cooler right decorative cover (dark gray)	1	
9	1244100-069000	ZT250-R Oil cooler outlet pipe	1	
10	1274100-084000	ZT250-R Oil cooler	1	
11	1251401-013000	φ10×14 dowel pin(5 pcs/after-sale)	1	

PROCEDURE:

●Oil cooler trim cover

Remove the bolt(1) with the hexagonal tool; remove the left trim cover(4) and the right trim cover(8). Push the bushing(2) out of the buffer(3) and remove the buffer from the trim cover

●Oil cooler inlet pipe

Remove the bolt(5) with the 4# hexagon socket or 8# sleeve, separate the oil inlet pipe(7) from the oil cooler(10), and remove the O-shape rings(6) at both ends.

●Oil cooler outlet pipe

Remove the bolt(5) with the 4# hexagon socket or 8# sleeve, separate the oil outlet pipe(9) from the oil cooler(10), and then remove the O-shape ring(6).

CAUTION:

●It is forbidden to disassemble the heat dissipation system when it is warmed up. Wait for the engine and muffler to cool completely before disassembling.

●The waste oil needs to be recycled and handed over to a qualified organization; it is forbidden to dump the polluted environment or water at will.

●When disassembling the oil cooler inlet pipe, violent operation is strictly prohibited to avoid deformation of the liner.

●It is recommended to replace oil drain bolts, combination seal gasket, and O-shape ring to prevent oil leakage every time you change the oil.

● 【1】The bolts(5) switch from the inner hexagon to the outer hexagon in early November 2021.

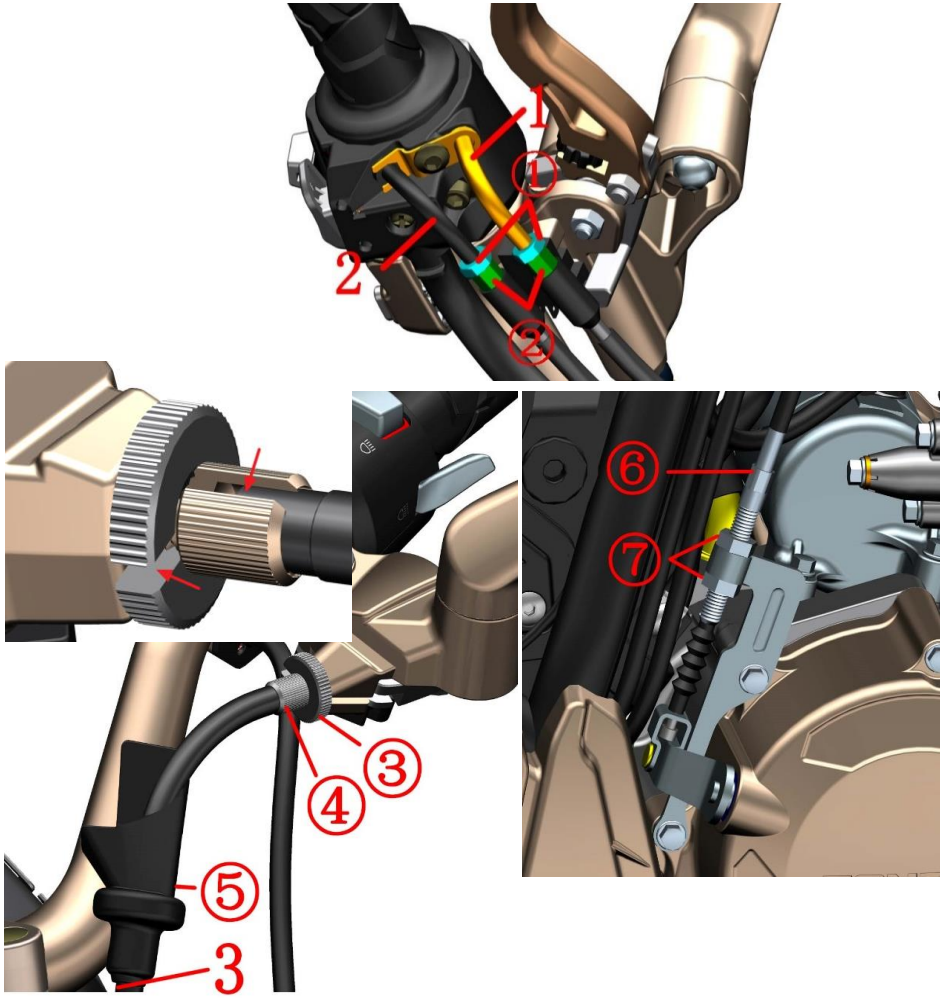


FIG.1 FRONT FORK COMPONENT		Throttle/clutch cable clearance adjustment, light height adjustment	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1154100-013000	ZT250－R throttle accelerating cable (II)	1	
2	1154100-014000	ZT250－R return line (II)	1	
3	1154100-012000	ZT250－R clutch line (II)	1	

PROCEDURE:

●Throttle line

Use an open-end wrench to loosen the lock nut① on the throttle refueling line(1) or the return line(2), and turn the adjustment bolt② to adjust the clearance to 2 to 4 mm. After adjusting the lock nut①.

●Clutch line

Fine adjustment:

Lift the protective rubber sleeve⑤ on the clutch rocker arm to the elbow of the clutch line(3), loosen the bolt ③ with pliers, rotate the adjustment bolt④, finally lock the bolt③, and then reset the dust jacket. Adjust the bolt ③, adjust the bolt④ and the rocker seat slot should be staggered position to prevent the cable from coming out.

Big adjustment:

If fine adjustment cannot be achieved, loosen bolt ⑦ with open-end wrench, rotate adjustment bolt⑥, and finally lock bolt ⑦ again.

CAUTION:

●The motorcycle support should be fixed during disassembly to prevent accidents caused by incline.

●Throttle line adjustment need to pay attention to the following:

After adjustment, ensure that the throttle can be reset automatically. It is forbidden to increase the engine idle speed due to adjustment of the line.

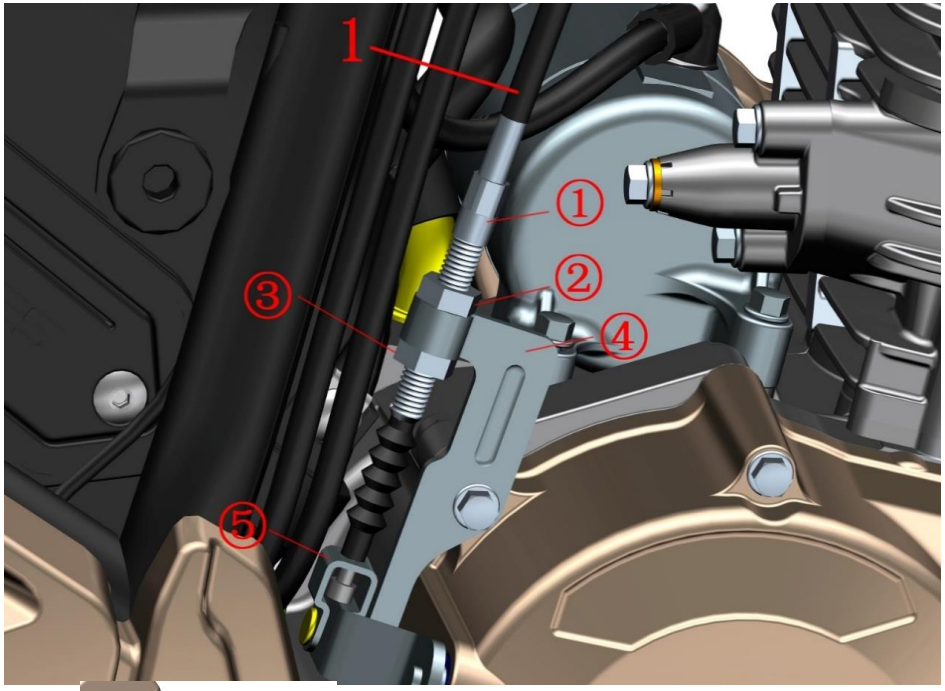
No engine idle increase in direction of rotation.

Check engine idle speed should be performed in the case of heat engine, should be at 1300~1500 rev / min.

●The clutch adjustment should be noted as follows:

Excessive free travel can cause wear and malfunction of the clutch and gearshift mechanism.

After adjustment, be sure to stagger the bolt, adjusting bolt and the slot on the rocker arm to a certain position to prevent the cable from coming out of the slot.



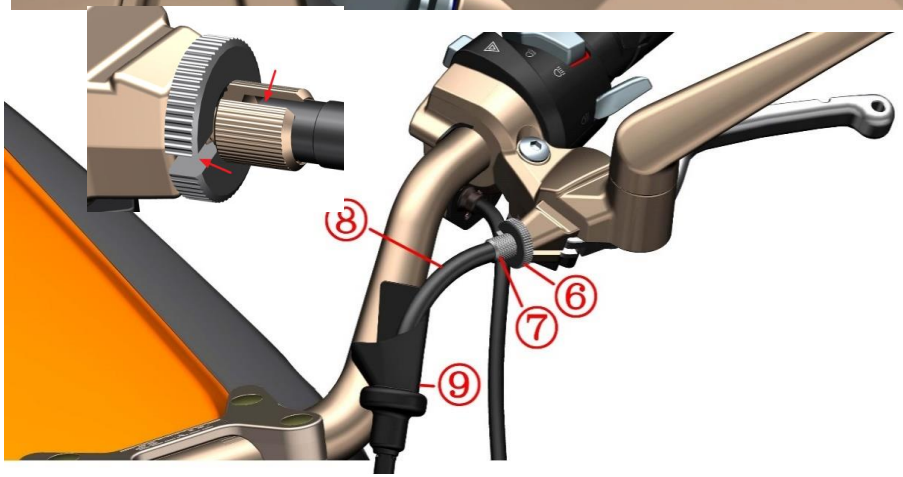


FIG.2 FRONT FORK COMPONENT		Replace the clutch line	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1154100-012000	ZT250－R clutch line (II)	1	

PROCEDURE:

●Disassemble the cluch line

Use an open-end wrench to loosen the bolt② and bolt③; fix the adjusting screw①, rotate the bolt② up to the top of the thread of the adjusting screw, and screw the bolt③ to the bottom to completely separate from the thread. Separate the clutch wire core connector from the bracket ⑤, close the bolt③ to the black sheath with one hand, and remove the adjustment screw① from the bracket④ with one hand.

First, the protective rubber sleeve⑨ is retracted to the elbow⑧ and the nut⑥ is loosened with the pliers; the nut ⑥ and the adjusting screw⑦ are rotated to the same position as the groove on the rocker arm, and the cable is pulled from the rocker arm seat. Finally remove it.

Remove the clutch line.

Remove the protective sleeve⑨ from the clutch cable (1).

●Install the clutch

Put protective rubber sleeve⑨ into clutch elbow

After inserting the clutch cable joint into the rocker arm, screw the nut⑥ and the adjusting screw⑦ to the groove on the rocker arm.

Assemble the clutch cable into place according to the original alignment.

Rotate the nut② up to the top of the thread of the adjusting screw, and screw the nut③ to the bottom to completely separate from the thread.

Take the nut③ close to the black sheath with one hand and insert the adjustment screw① into the bracket④ with the other hand.

Insert the clutch core connector into the hole of the bracket⑤.

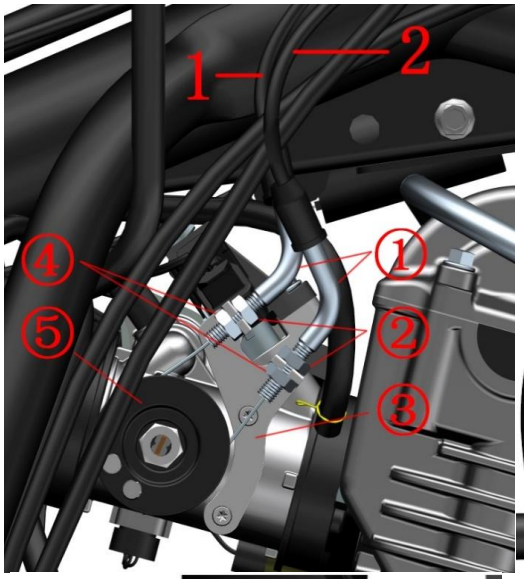
Initially position the nut② first, adjust the free stroke adjustment in the clutch cable adjustment, and then lock the nut③.

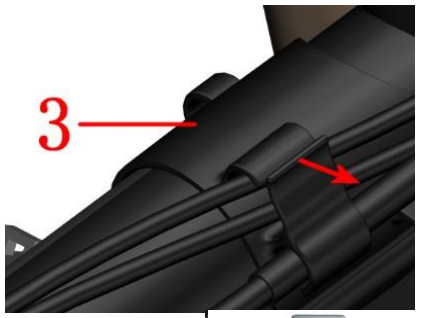
Finally, reset the protective rubber sleeve⑨.

CAUTION:

●The motorcycle support should be fixed during disassembly to prevent accidents caused by incline.

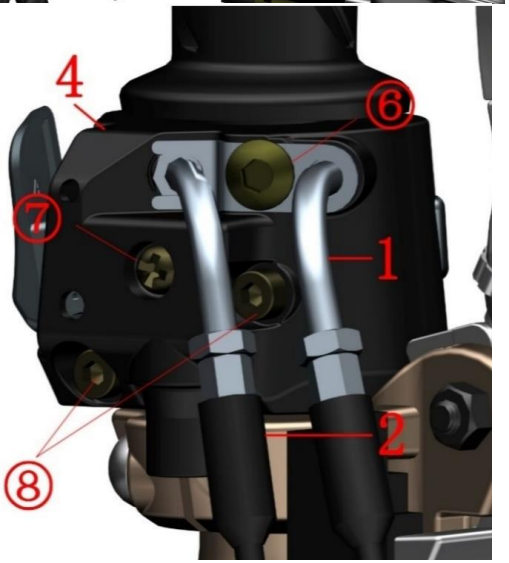
●Before replacing the clutch line, it is necessary to disassemble the seat cushion, fuel tank, liner, side cover, etc.







Old New



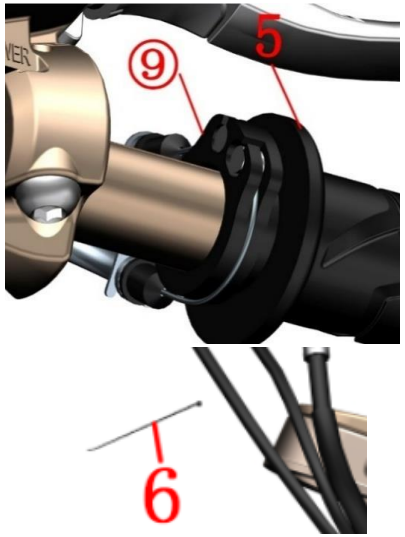


FIG.3 FRONT FORK COMPONENT		Replace the throttle line	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1154100-013000	ZT250－R throttle accelerating cable (II)	1	
2	1154100-014000	ZT250－R return line (II)	1	
3	1224100-049000	ZT250-R Line clamp	1	
6	1184200-022000	ZT310－X Right handle bar switch	1	Stop selling
	1184201-007000	ZT310-X1 Right Handle Switch(after-sale)		New
5	1244100-140000	ZT250-R right handle bar rubber sleeve(after-sale)	1	
6	1224101-004000	0 level fire-retardant belting (black2.5×100)(5 pcs/after-sale)	1	

PROCEDURE:

●Disassemble the throttle line

Use an open-end wrench to turn the nut② of the throttle refueling line (1) or the oil return line (2) upside down, turn the nut④ downwards and out of the bend 1; rotate the turntable on the throttle valve clockwise, and turn the cylindrical joint of the fuel line from the turntable Remove; then move the elbow upwards over the bracket③ on the throttle and pull outwards to separate the core from the bracket. After removing the fuel line, pull the return line core downwards and separate the joint from the turntable, and then move the elbow up and separate from the bracket.

Use pliers to open the card on the line clamp(3) slightly in the direction of the arrow, remove the throttle cable from the slot, and cut the cable tie(6).

Remove the bolts⑥ and⑧ with the hexagonal tool.

Hold the right hand switch(4) with your hand and remove the bolt⑦ with a cross screwdriver. Turn the handlebars on and off.

Remove the throttle line from the right hand and remove the rubber sleeve(5) from the core turntable⑨ and remove it from the cable hole in the lower part of the switch.

●Install the throttle line

First pass the throttle line into the line hole in the lower part of the switch, and pay attention to distinguish between the fuel line and the return line. Fit the cylindrical connector of the throttle cable into the turntable⑨ on the right hand gripper(5). Return the oil return line card to the limit slot provided on the refueling line. Use a hexagonal tool to lock the bolt⑥ to a torque of 8-10 Nm. After aligning the upper and lower holes of the switch, it is advisable to screw the bolt 8 a few times to prevent it from falling out. Then, after observing the right hand, align the positioning holes and the direction of the lower part of the switch(4) and fix the bolt⑦ after locking. Finally, tighten the bolt⑧ and tie the tie(6). Cut off the excess.

Push the throttle cable into the cable clamp slot.

Use an open hand to turn the nut② of the throttle refueling line(1) or the return line(2) up and down, and turn the nut④ downwards to the bend①. Put the oil return line into the bracket③, and then put the joint onto the turntable⑤. Put the oil line into the bracket③, then turn the turntable⑤ to a certain angle.

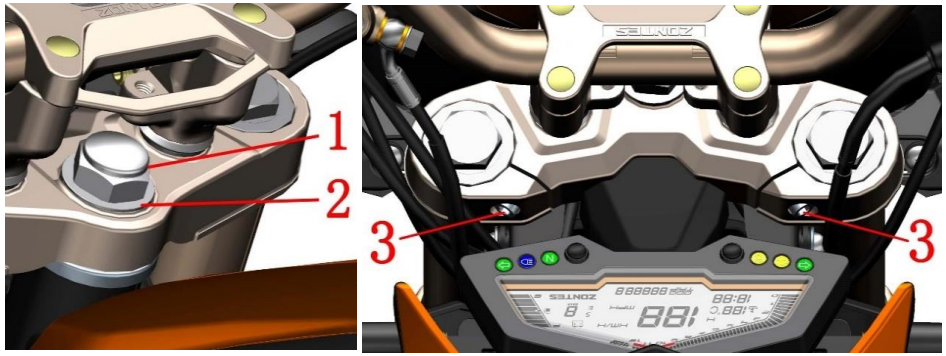
Adjust the gap to adjust the throttle line clearance. Lock nuts② and④.

CAUTION:

●The motorcycle support should be fixed during disassembly to prevent accidents caused by incline.

●Before replacing the throttle line, you must first remove the seat cushion, fuel tank, liner, side cover, etc.

●The old model stop selling; the old switch can be replaced directly with the new one.



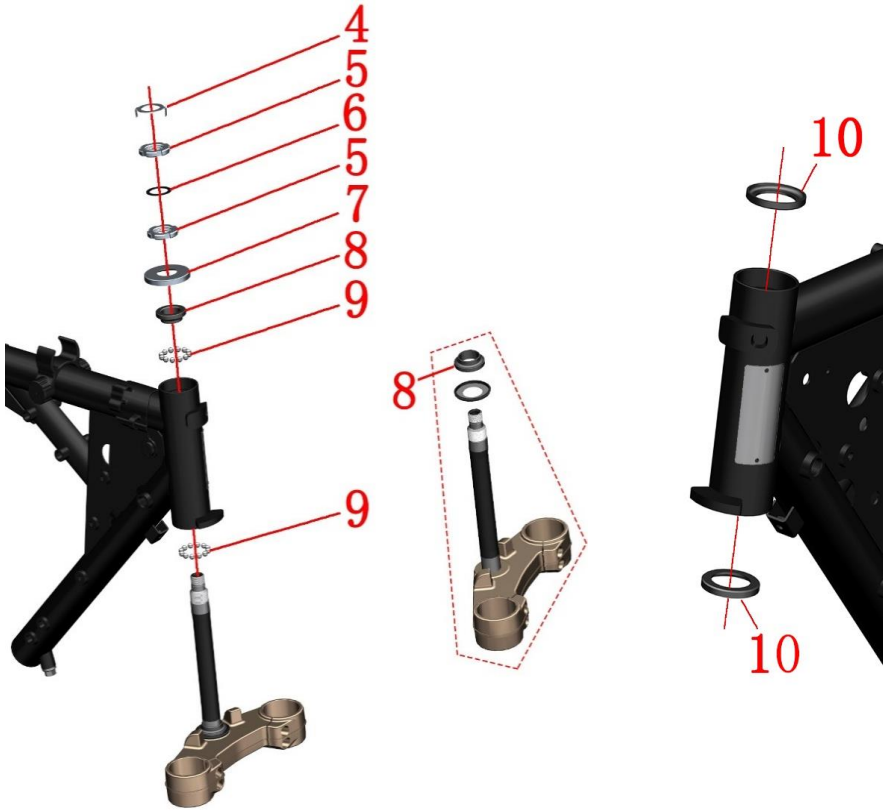


FIG.4 FRONT FORK COMPONENT		Steering adjustment	CHK / ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251300-045000	ZT250－S Upper connection decorative nut	1	
2	1251500-208000	ZT250-S upper connection gasket φ18.5×φ39×1 (chroming)(5 pcs/after-sale)	1	
3	1250205-034093	GB70.1 Hexagonal Socket M8×30 (color Zinc)	2	
4	1134100-040000	ZT250-S Adjusting nut locking washer(5 pcs/after-sale)	1	
5	1251300-235093	ZT250-S direction column adjusting screw nut M24×1 (environmental color Zinc)(after-sale)	2	
6	1244100-135000	ZT250-S Adjusting nut rubber gasket (5 pcs/after-sale)	1	
7	1224100-005000	ZT250-S Direction column dust cover	1	
8	1130900-053000	ZT250-S shaft ring (after-sale)	1	
9	1130900-054000	ZT250-S conjoined steel ball (5 pcs/after-sale)	2	
10	1130900-052000	ZT250-S upper steel bowl (after-sale)	2	

PROCEDURE:

●When the front fork slightly sways or when the direction handle swings during braking

Check whether the pressure of the front tire is the recommended air pressure at room temperature: 250±10kPa. If it is lower than the recommended air pressure, the front tire pressure should be inflated to 350 kPa first, and then deflated to 250±10 kPa. Let us check if the running-up test is released. If not, set the front wheel and turn to inspect the tire tread, if it is worn or deformed, the front tire needs to be replaced. If not, you should continue to the following operation.

●Check steering device

Set up the front wheel and shake the lower part of the fork by hand to check if the steering shaft is loose or the left and right rotation is flexible.

Adjust the adjusting nut:

Remove the trim nut(1) with a spanner, remove the gasket(2), and remove the bolt(3) with the hexagonal tool. The direction of the upper connection assembly wrapped with a clean cloth and then placed to prevent scratches. Remove the lock washer(4); remove the top adjusting nut(5) with a special four-jaw shank or hook wrench and remove the pad(6). If the steering resistance is too large, rotate the bottom adjusting nut(5) counterclockwise. If the brake slightly sways or swings, then rotate it clockwise. The torque is approximately 14N.m. It is suitable when holding the front wheel to rotate freely and there is not getting stuck.

When reassembling, the top adjusting nut only needs to be screwed to align with the bottom nut groove, so as not to over-tighten to avoid excessive deformation of the rubber pad(6); the torque requirement of the decorative nut(1) is 100 N.m.

●Steering bearing

If the above operation still can not rule out excessive steering resistance or stuck as follows:

Remove the adjusting nut(5), remove the upper dust cover(7), shaft ring(8), and conjoined steel ball(9), remove the directional column & front shock absorber & front wheel assembly, check the shaft ring and the conjoined steel ball for abnormal wear or rust . At the same time, check whether the seat ring(10) in the front frame of the motorcycle frame is abnormally worn or rusted. If you need to, you need to purchase replacement parts on Zontes official website. Newly-applied conjoined steel balls need to be evenly greased, paying attention to the amount of grease.

CAUTION:

●The vehicle should be fixed and then operated. During the dismantling process, the material should be protected to prevent scratches.

●If the steering adjustment is too tight, the steering force will be greater. If it is too loose, the front of the vehicle will be slightly shaken when braking, and the driver needs to adjust according to the actual needs of the driver.



FIG.5 FRONT FORK COMPONENT		Add brake fluid, rocker adjustment	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1134100-032000	ZT250-R Right handle rocker arm (Machine)	1	
2	1100300-044000	ZT125T front disc brake main pump assembly (without handle)	1	
3	1100101-835000	Disc brake pipe copper washer φ 15× φ 10.2 × 1.5 (5 pcs/after-sale)	2	
4	1251100-112000	Disc brake oil pipe bolt M10×1-22	1	
5	3070100-008600	Fully synthetic brake oil DOT4 (1L bottle)	1	【1】

PROCEDURE:

●Front disc brake main pump

Fix the front disc brake main pump, remove the bolt (4) and copper pad (3) with the sleeve, and do not disassemble if it does not need to be replaced. Always replace the tubing connector 8 at a high level to prevent air from entering the tubing and cause brake failure. Also clean oil should be removed to prevent dripping onto parts such as covers or mufflers. After replacement, be sure to continuously hold the swing arm (1)and tap the disc brake main pump (2) to remove a small amount of gas entering the brake oil circuit, and confirm that the brake is returned to normal.

●Rocker

Rotating the adjusting nut ⑤ can adjust the distance between the rocker arm and the handle rubber sleeve to adapt to different driver's feel.

If you need to replace the rocker arm, use a hexagon socket tool to fix the bolt ④. Then use a socket or box wrench to remove the nut ⑥. Remove the bolt④and remove the rocker arm (1).

●Add brake fluid

Before driving the motorcycle, check whether the brake fluid level is above the “LOWER” marking. If not, check the brake disc or brake disc for wear and whether there is any oil leakage or oil leakage in the brake system. Abnormal needs to add brake fluid.

The brake fluid can only be added after the motorcycle is fixed horizontally.

Remove the bolt ① with a Phillips screwdriver and remove the upper cover ②, the cover plate ③, and the seal gasket⑦.

Add DOT4 brake fluid to 3/4 of the transparent observation window of the front disc brake master pump.

Be sure to clean the foreign body before reassembling it.

CAUTION:

●The motorcycle should be fixed after horizontal support and check.

●Periodically check that the fluid level of the brake fluid is at 3/4 of the observation window.

●If the liquid level is under "LOWER", check the brake disc wear and brake system for leaks.

●If you swallow the brake fluid, contact poison control center or hospital immediately; if you get into your eyes, seek medical attention immediately after flushing with clean water.

●Keep brake fluid away from children and pets.

●Do not flush the cup directly with high-pressure water.

●Do not mix water, dust, impurities, and silicic acid or petroleum-based liquids, as this may cause serious damage to the brake system.

●【1】Each bottle is 1 liter. It must be used in time after opening, and sealed and moisture-proof measures must be taken when storing; it is recommended not to exceed 1 month. Inferior or damp brake fluid will cause adverse effects on the braking system, and may cause brake failure when the impact is severe. Be sure to change the brake fluid at a maintenance shop with brake fluid replacement equipment and technology to avoid air entering the brake pipeline.

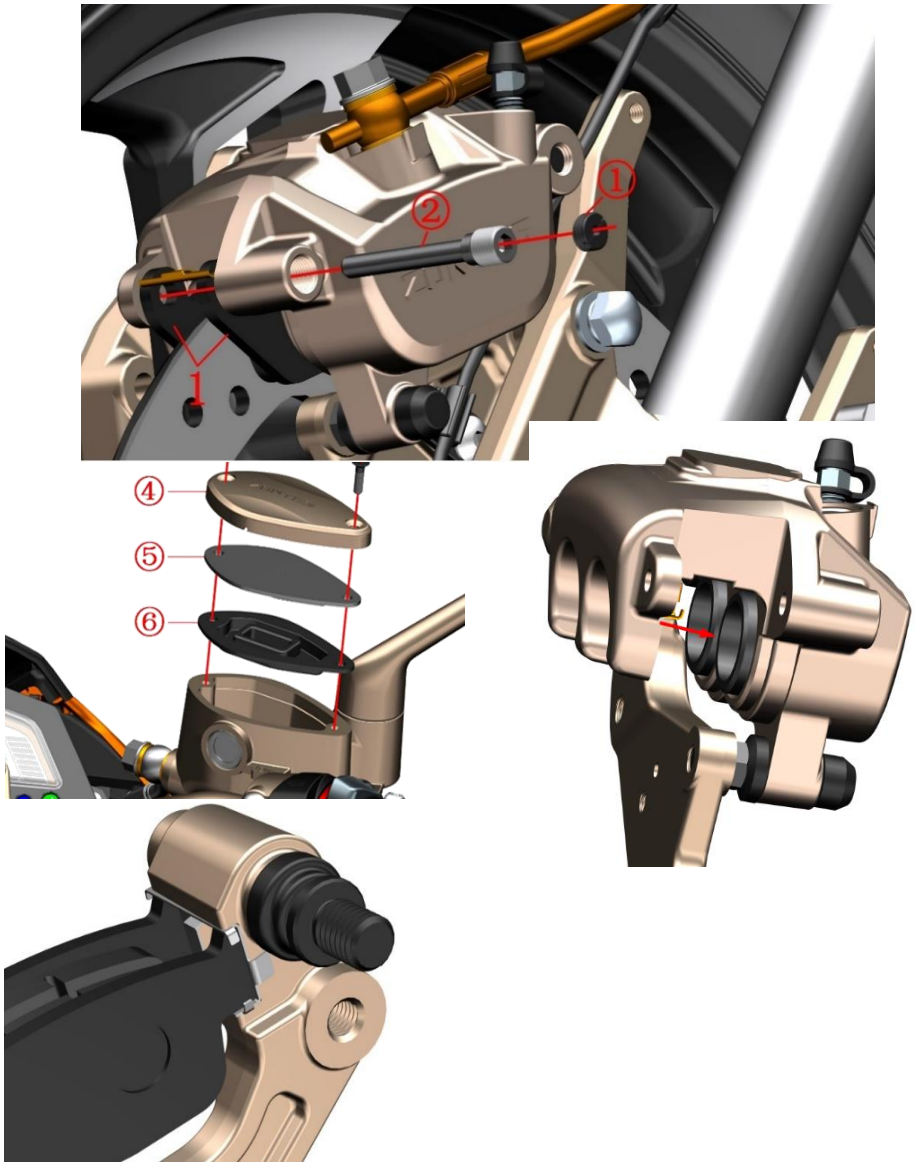


FIG.6 FRONT FORK COMPONENT		Replace the front brake pads	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1100100-091000	ZT250-S Front Disc brake shoe (H10)	1	After-sales

PROCEDURE:

●Replace the front brake shoe

Use a screwdriver to remove the nut①.

Remove pin② with hexagonal tool.

Remove the brake shoe (1).

Clean out foreign matter such as dust on the outer edge of the piston.

Use a cross screwdriver to remove the bolt③ on the front brake main pump assembly, remove the top cover④, cover plate⑤, and seal gasket⑥.

Push the piston in the direction of the arrow.

Restore the front disc brake main pump assembly, it must be accurately assembled in place.

Put a new brake shoe, be sure to place the brake shoe close to the card slot, as shown on the left.

Lock the pin② with a hexagonal tool.

Use a flathead screwdriver to lock the nut①.

Repeatedly holding the brake handle until braking force is restored.

CAUTION:

●The motorcycle support should be fixed before operation

●Check the brake discs and brake discs regularly for wear. Regularly check if the brake fluid level in the front window of the main brake disc is 3/4.

●It is strictly prohibited to disassemble the oil pipe bolts and gas discharge nozzle bolts when replacing the brake shoes to prevent air from entering the pipeline and causing brake failure.

●Do not shake the front after removing the front brake oil cup lid to prevent the brake fluid from overflowing.

●After replacing the brake shoes, the new brake shoes should be operated for about 300 km to fully run in order to achieve the best braking effect. Be careful to allow enough braking distance during running-in.

●It is recommended to replace brake shoes in pairs with qualified maintenance units.

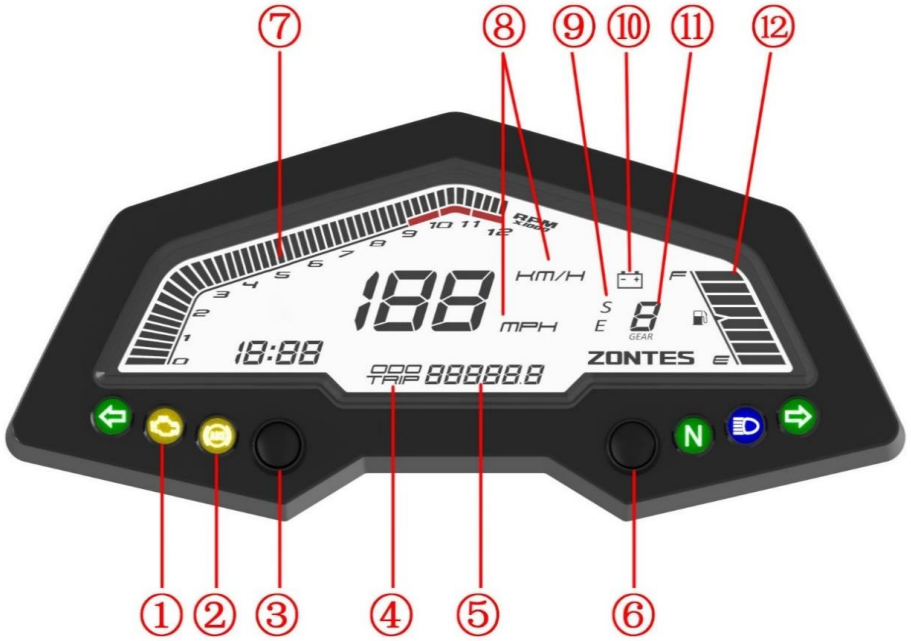


FIG.7 FRONT FORK COMPONENT	Instrument function description	CHK ADJ	

Instrument function:

①EFI failure signal light; ②ABS anti-lock braking system signal; ③MODE key; ④0D0 long odometer;TRIP short odometer; ⑤ total mileage; ⑥SET key;⑦Engine rev instrument； ⑧ km mark; ⑨ECO indicator light; ⑩ battery low voltage prompt symbol; ； ⑪gear;,⑫fuel oil level meter.

⑴When the right hand presses the " " button of the sub switch (as shown in the lower left figure), the ignition route is turned on, and the meter is turned on:

The screen shows all the content, while the engine speed scans to the maximum scale and then falls back to normal mode.

⑵) Short press the " " button. If the EFI failure signal ① is not activated, it is normal. If it is not bright, it indicates that the EFI system is abnormal. If the engine is started, it may cause damage. If the start is successful, the fault signal lights up during operation, and the fault reported by the electric spray indicates that the electronic fuel injection system is abnormal. Please stop the vehicle in a safe location and contact the company's designated after-sales shop to check the vehicle's electronic spray system

⑶When the motorcycle is energized and the parking is stopped by short pressing the " " button, the ABS anti-lock braking system signal light ② will automatically light up. When the vehicle speed exceeds 5 km/h, it will automatically extinguish. Otherwise, it is indicated that the ABS is faulty. The aftermarket shop inspects and repairs the motorcycles.

⑷When the oil change indicator light is on, turn off the engine after stopping the vehicle in a safe position, and check that the oil amount is sufficient. If it is not enough, it needs to be added as soon as possible; if it has been driven to a certain mileage, it needs to be replaced as soon as possible.

⑸ODO long odometer ④ TRIP short odometer ⑤

Long-short-range switching: In the TRIP mode, press the MODE button shortly to switch to "ODO". In the 0D0 mode, press the MODE button shortly to switch to the "TRIP" mode. Press and hold the SET button for a short distance to clear. ODO Long mileage total mileage can not be cleared; TRIP can record single or multiple accumulated mileage can be cleared.

⑹ In the "ODO" mode, press and hold SET⑥ to enter the time mode. The MODE key is incremented by the hour; the SET key long press to enter the minute setting flashes at the same time, the MODE competition increases by short minutes, and long press the SET key to complete the time setting. If the battery is removed or the loss of electricity clock is displayed from "12:00".

⑺The tachometer displays the speed of the engine, indicating the number of revolutions of the engine crankshaft per minute. 10000-12000rpm is the red warning zone of engine speed (red printing section).

⑻Long press MODE key ③ in "0D0" mode to switch the speed between mph and km/h, and the odometer switches between mile and km

Press the "ECO" button ECO indicator ⑨ shows "E" to indicate that it is in the normal economy mode; the button pops up to show "S" to indicate that it is in power mode.

⑼When the battery low voltage indication symbol ⑩ is flashing, it indicates that the battery voltage is lower than 11.5±0.25V. Please contact our designated after-sales service store to check, charge or replace the battery as soon as possible.

⑽Fuel level table ⑫ shows that the 8th stage indicates that the fuel tank is full. When the fuel level drops to approximately 1L, the fuel indicator flashes and fuel should be replenished as soon as possible.

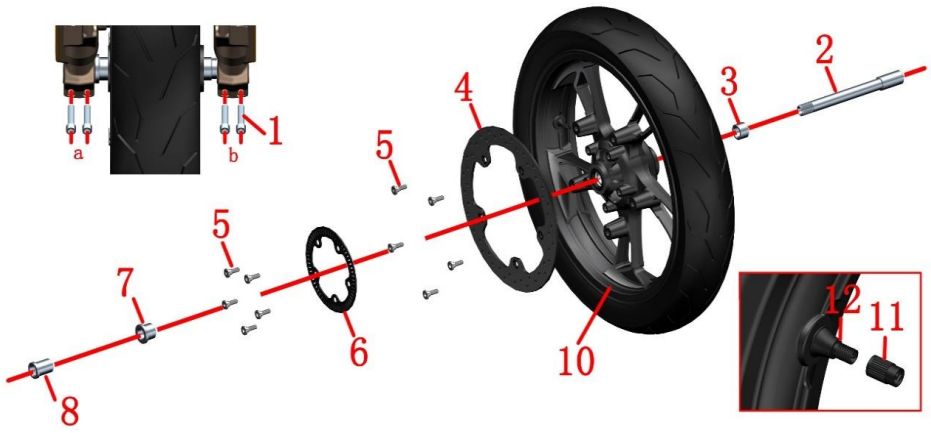


FIG.8 FRONT FORK COMPONENT		Front wheel assembly	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250205-023000	GB70.1 Hexagonal Socket M8×35 (color Zinc)	4	20N.m
2	1094100-033000	ZT250-R Front wheel hollow shaft	1	
3	1094100-008000	ZT250-R Front wheel left sleeve	1	
4	1100100-418000	ZT310－R1 front brake disc (300×5.0)	1	
5	1251100-117093	Non-standard hexagonal bolt M8×25	10	
6	1274200-058000	ABS induction ring (60 teeth)	1	
7	1094100-036000	ZT250-R Front wheel right axle sleeve	1	
8	1094100-037000	ZT250-R Front wheel right fixed axle sleeve	1	
9	1230100-077000	ZT250-S110/70R17(CM609)Tires	1	
10	1094200-026000	ZT310－R black front rim (3.0×17)	1	
	1094200-034000	ZT310－R bright blue front wheel 3.0 (3.0×17)		
11	1230200-006000	HJ100-D Tire valve cap	1	
12	1230100-047000	HJ125-3A Environmental vacuum valve (TR-412)	1	

PROCEDURE:

●Tire and wheel assembly

Remove the 2 bolts (1) on the left front shock absorber bottom b with the Allen tool. Hold the front wheel first and then remove the hollow shaft (2) with the internal hexagon tool, remove the left sleeve (3), and move the front wheel assembly downward to remove the right sleeve (7) and front wheel assembly. Finally, remove the right fixing sleeve (8) and use the hexagonal tool to remove the 2 bolts (1) of the right front shock absorber.

●Brake disc, ABS ring gear

Remove the bolt (5) and then remove the ABS ring gear (6) and the brake disc (4).

●Tire and rim assembly

Unscrew the valve cap (11) and use the tool to release the air. Remove the tire (9) with a professional tire extractor. Finally remove the valve (12) with a suitable tool.

CAUTION:

●Use suitable tools to support the motorcycle to prevent accidents caused by motorcycle incline during disassembly; no individual operation.

●Take care when disassembling tires and rims to prevent damage to the material.

●After replacing the tire, check for leaks and balance.

●Unqualified tire repair fluid may corrode rims and cause safety hazards.

●Insufficient tire pressure may cause steering vibration, abnormal wear, etc.; summer tire pressure is too high there is a risk of puncture.

●Maintenance project

Tires: The tires should be regularly inspected for cracks, cracks, air pressure, etc. If the tread wear indicator has been worn out, the tire of the same specification type must be replaced. Refer to the relevant content of the manual for details. The tires are semi-hot melt rubber products and are not suitable for use in areas with low temperatures. When the outdoor temperature is too low, it is recommended to store the vehicle in a place with a high temperature or indoors to prevent freezing cracks. Normal temperature: standard 250 kPa.

Rim: Check the rim for signs of deformation, cracks, etc. Rotate the rim horizontally to check if there is any catch, swing, etc.

Axle: Use a dial indicator to check for deformation and bending.

Brake disc: After the new brake disc is replaced, it should be carried out for about 300 km to fully fit in order to achieve the best braking effect. Care should be taken to ensure adequate braking distance during running-in.

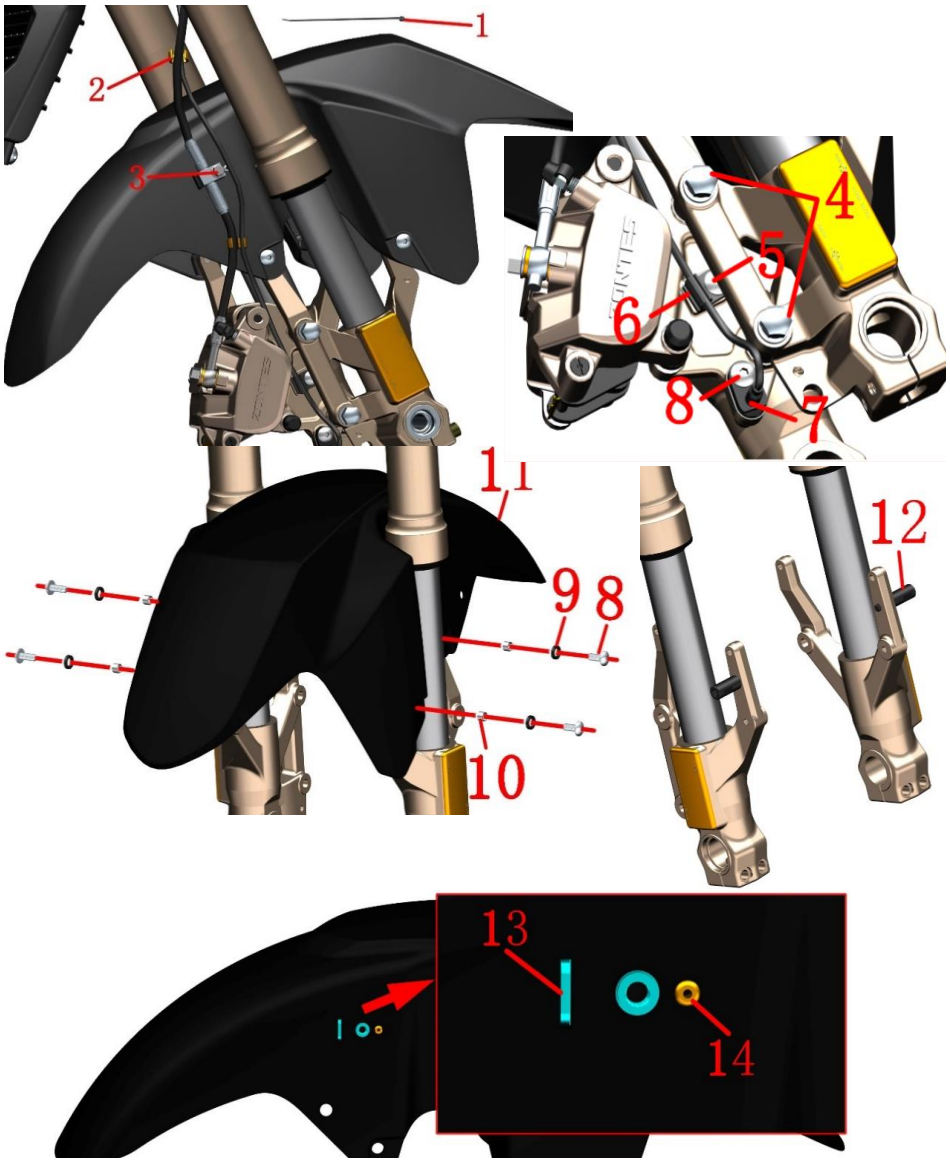


FIG.9 FRONT FORK COMPONENT		Front mud board & wheel speed sensor component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1226000-218000	Grade 0 flame retardant tie (black 3.6×293)(5 pcs/after-sale)	1	
2	1226401-212000	Wheel speed sensor clamp(after-sale)	3	
3	1251100-870000	M6×22 Hex flang bolt thread (8.8 garde/environmental color Zinc)(5 pcs/after-sale)	1	
4	1251100-969094	Non-standard bolt M8×37 (environmental color Zinc)(after-sale)	2	
5	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	1	
6	1224200-127000	ZT310－T front wheel WSS wire clip	1	
7	1184200-045000	DF30 wheel speed sensor	1	
8	1251100-102000	Non-standard bolt M6×16 (stainless steel)	5	
9	1244100-037000	φ12×φ8.5×2.5 Circular buffer	4	
10	1274101-025000	ZT250-S muffler anti-hot plate sleeve(5 pcs/after-sale)	4	
11	4044201-078051	ZT310－R front mudguard(dark bright gray/gray sticker/ABS)	1	
12	1274201-135000	ZT310 front fender liner(Black Zinc)(after-sale)	2	
13	1274200-038000	Front fender front oil outlet pipe fixed seat	1	After-sale
14	1250402-010091	GB12615 φ3×10 rivet(5 pcs/after-sale)	1	

PROCEDURE:

●Wheel speed sensor

Pull out the plug of the wheel speed sensor (7); cut off the belting (1); then remove 3 pcs clamp (2).Pull out the sensor cable from the clip(6) and remove the bolts(3) abd bolts(8) on the bottom, remove the sensor(7).

●Front disc brake caliper

Remove the bolts (3) and (4) so that the caliper will hang down naturally. It is forbidden to invert the caliper to prevent the air from entering and causing the brake to fail.Remove thebolt(5) on the clip(6) and take out of it.

●Front mudguard

Hold the front mud plate (11) with your hand and then remove the 4 bolts (8) and remove the bushing (10) and cushion rubber (9). Remove the front mudguard (11). The inside of the front mudguard can be protected with reticle or double-sided tape around the rivet (14), then the rivet is ground off with a small sander, and then the rivet (14) and the fixing seat (13) are removed.

●Front mudguard liner

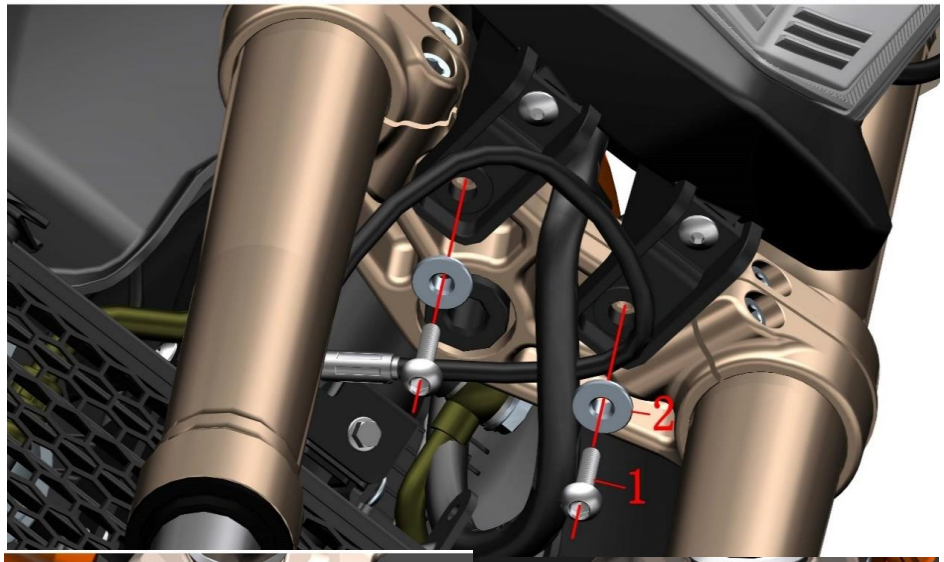
Remove the bushing(12) with a 10mm open end wrench.

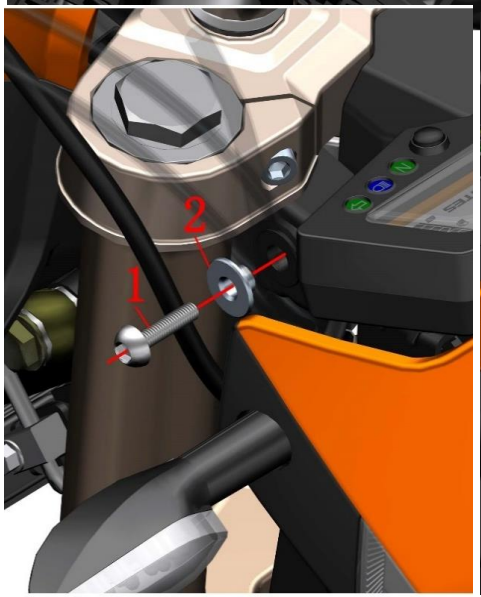
CAUTION:

●The motorcycle support should be fixed during disassembly to prevent accidents caused by incline.

●Remove the tube clamps, sensor clamps should pay attention to strength.

●Pay attention to the strength when disassembling the front mud plate to prevent scratching the paint surface.





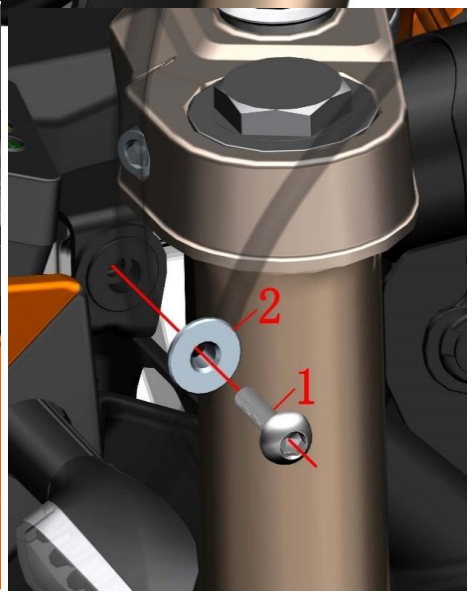


FIG.10 FRONT FORK COMPONENT		Head assembly 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-121093	Non-standard bolt M6×25 (environmental color)	4	
2	1274101-015000	ZT250-S flanging sleeve(φ6.4×φ9×6＋φ20×2)(5 pcs/afte	4	

PROCEDURE:

●Head assembly

Use your hand to hold the head assembly and remove the two bolts(1) on the bottom of the lower plate with the hexagonal tool. remove the flanged bushing(2).

Use your hand to hold the head assembly and remove the two bolts(1) on both sides of the upper plate bottom with the hexagonal tool. remove the flanged bushing(2).

Move the head assembly forward with your hands, and pull all the plugs on the main harness and head, including headlights, instruments, turn signals, electric door locks, etc.

CAUTION:

●The motorcycle support should be fixed during disassembly to prevent accidents caused by incline.

●Take care when unplugging the connector. Never pull it out to avoid damage. When reinstalling, check whether the insert in the plug is misaligned. Check if the tape is missing.

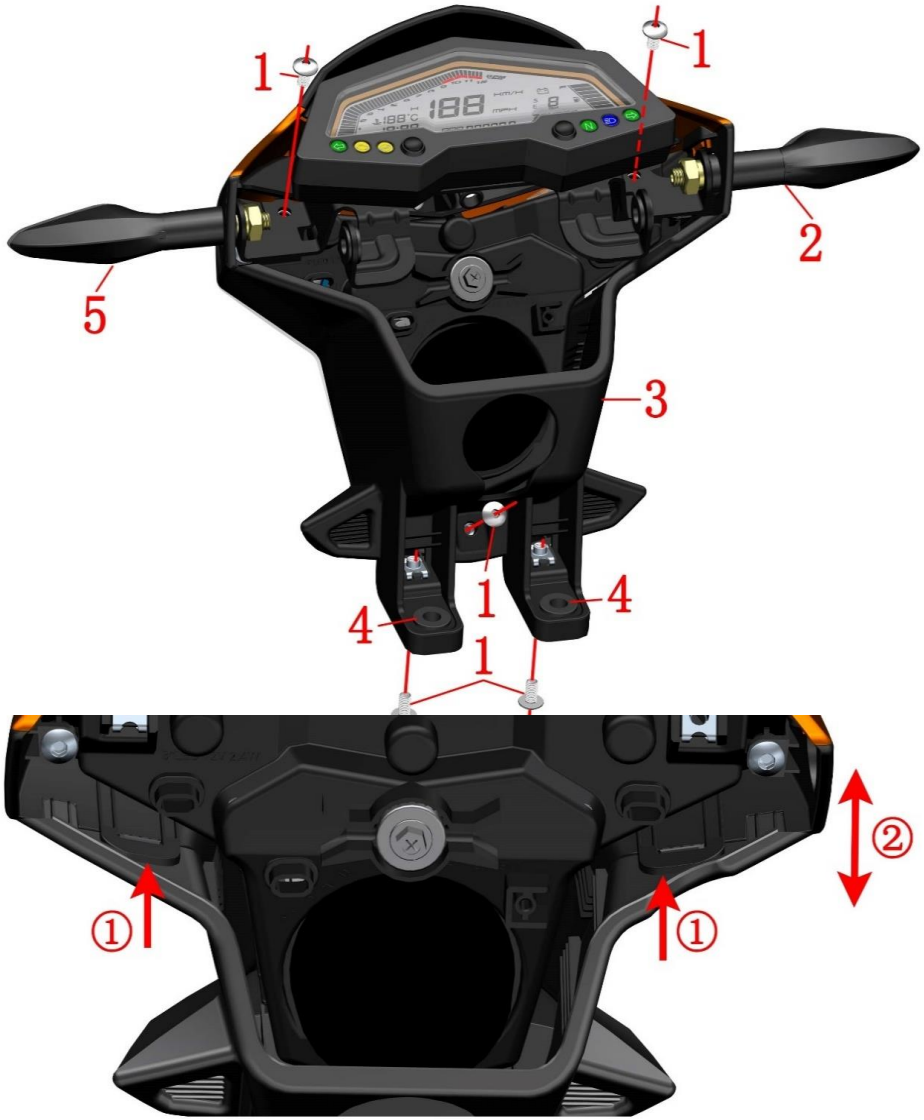


FIG.11 FRONT FORK COMPONENT		Head assembly 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	4	
2	1174100-006000	ZT250-S Front right turn signal light	1	
3	1224100-026000	ZT250-S Head cover rear shell	1	
4	1244100-137000	ZT250-S Flanging bushing buffer(5 pcs/after-sale)	2	
5	1174100-005000	ZT250-S Front left turn signal light	1	

PROCEDURE:

●Turn signal light

Use an open-end wrench to remove the hex nuts on the right turn signal light(2) and the left turn signal light(5), and remove the spring washers and washers on the turn signal lights.

●Instrument assembly

Remove the two bolts(2) on the upper part of the instrument holder (the top in the left figure) with the hexagonal tool. Remove the instrument assembly and then remove the head cover cushion rubber(1).

●Head cover rear shell

Remove the three bolts(1) at the bottom (at the bottom of the left figure) with the hexagonal tool. Use a flat-blade screwdriver to pick up the upper buckle indicated by① and then apply force to both sides of the head cover rear shell and front assembly in the direction indicated by② to remove the head cover rear shell(3) and put the cushion rubber(4) from the rear shell.

CAUTION:

●The motorcycle support should be fixed during disassembly to prevent accidents caused by incline.

●When using a flat-blade screwdriver to pick up the buckle, pay attention to it. If the strength is too high, the buckle may be easily broken.

●When separating the head cover rear shell, pay attention to the direction and strength of the force to avoid causing the buckle to break.

●Pay attention to distinguish the line color when installing the turn signal light, the left turn signal light beam is orange + green, the right turn signal light beam is bright blue + green.

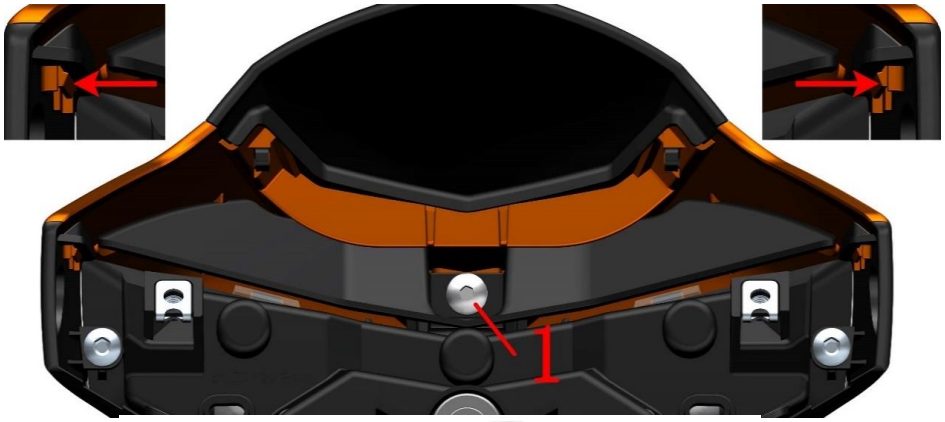




FIG.12 FRONT FORK COMPONENT		Head cover upper part assembly	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	1	
2	1224100-001000	ZT250-S Windshield	1	
3	1251300-202094	Plywood M6×11×15(zinc-nickel)(5 pcs/after-sale)	1	
4	1224100-027000	ZT250-S Head cover sandwich	1	
5	4044100-006033	ZT250-S Head cover upper part(bright orange)	1	orange
	4044100-006064	ZT250-S Head cover upper part(bright blue)		blue
	4044100-006021	ZT250－S head cover upper part (special black)		【1】
6	1224100-031000	ZT250-S Head cover light block	1	
7	1251200-033093	Non-standard self-tapping blot ST4.2×12	2	

PROCEDURE:

●Head cover upper part assembly

Remove the bolt with the hexagonal tool(1).

Press the buckle slightly in the direction of the arrow to separate the headlight upper assembly lower headlamp assembly.

Remove the bolt(7) with the hexagonal tool and remove the light block(6).

Push the tip of the windshield (2) forward with hands, and remove the upper part of the head cover(5) and sandwich(4).

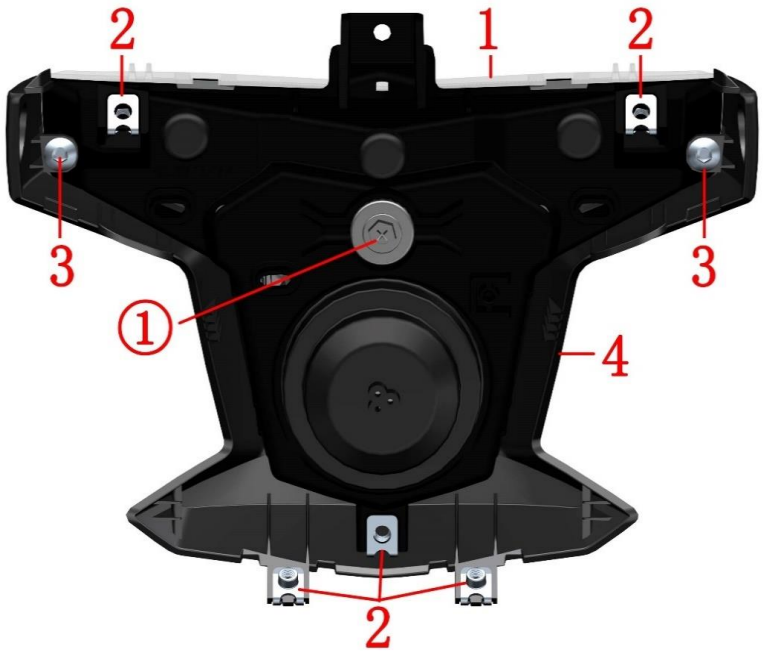
Remove the plywood nut(3) from the windshield(2)

CAUTION:

●Attention should be paid when using the tool to press down the buckle. If the force is too large, the buckle will be easily broken.

●When restoring the bolt(7), the axis of the screw should be perpendicular to the mounting surface of the light barrier, and do not overtighten the pin on the upper part of the head cover.

●【1】Make use of dark gray/special black motorcycle .



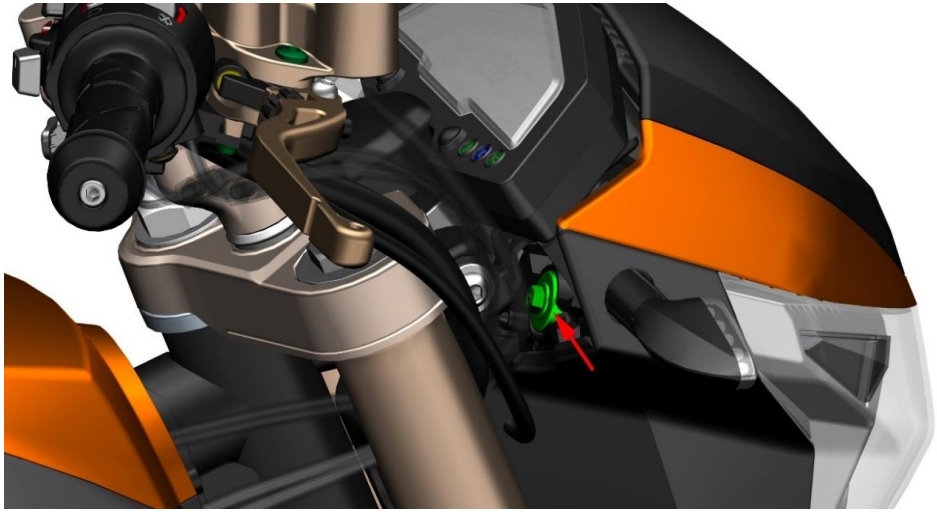


FIG.13 FRONT FORK COMPONENT		Front light assembly	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1174100-009000	ZT250－S LED Front light	1	
2	1251300-202094	Plywood M6×11×15(zinc-nickel)(5 pcs/after-sale)	5	
3	1251200-033093	Non－standard self－tapping bolt ST4.2×12(color zinc)	2	
4	4044100-007036	ZT250－S head cover lower part (electroplated bright gray highlight)	1	
	4044100-007021	ZT250－S head cover lower part (special black)		black

PROCEDURE:

●Front light

Remove the bolt(3) with the hexagonal tool.

Separate the front light(1) and head cover lower part(4).

Separately remove the plywood nut(2) from the front light(1) and the lower part of the head cover(4).

●Adjust the light height

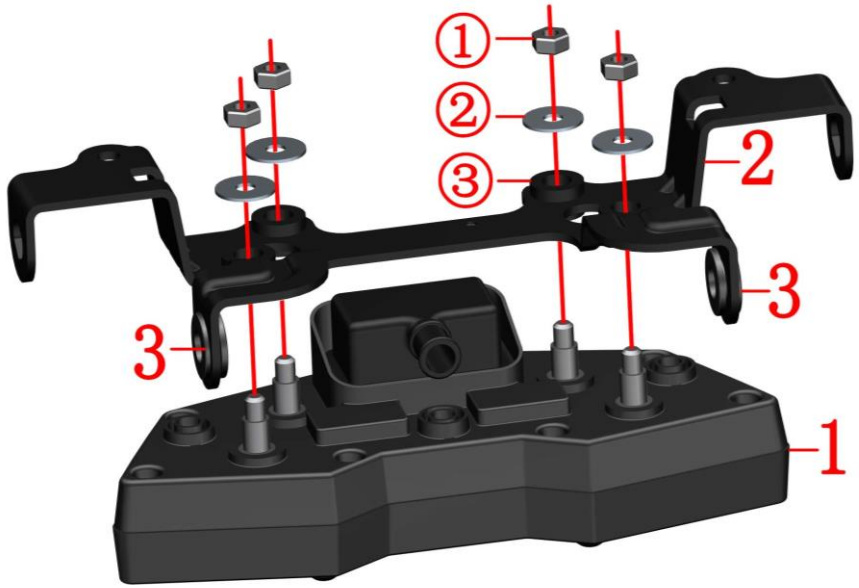
The driver sits on the seat and the motorcycle is upright. The other person uses a cross screwdriver to insert the left or right side of the motorcycle into the zigzag position indicated by the arrows on the left. Rotate the light level adjustment bolt① clockwise or counterclockwise to adjust the light to a suitable position. No need to remove any parts to adjust light height.

CAUTION:

●Attention should be paid when using the tool to press down the buckle. If the force is too large, the buckle will be easily broken.

●When restoring the bolt(3), the axis of the bolt should be perpendicular to the mounting surface of the light barrier, and do not overtighten the pin on the upper part of the head cover.

●The front light use LED light source, which does not need to be replaced or maintained under normal condition. Therefore, the rubber sleeve behind the front light cannot be removed to prevent dust from entering



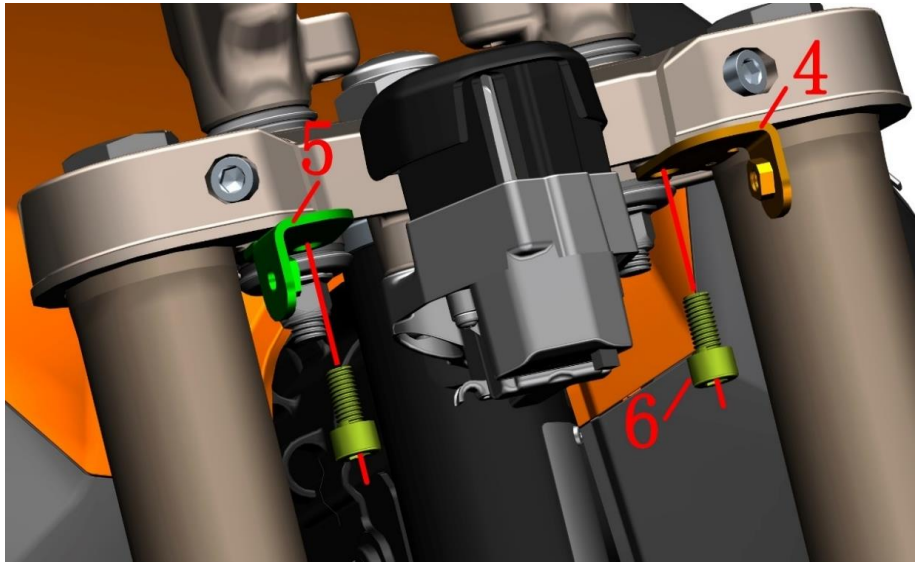


FIG.14 FRONT FORK COMPONENT		Instrument assembly	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1164100-005000	ZT250－R digital instrument (with gear display)	1	
2	1274100-097000	ZT250－R instrument bracket	1	
3	1244100-137000	ZT250-S Flanging bushing buffer(5 pcs/after-sale)	2	
4	1274100-098000	ZT250－R instrument bracket left mounting ear	1	
5	1274100-099000	ZT250－R instrument bracket right mounting ear	1	
6	1250205-040095	GB70.1 inner hex bolt M8×16(color Zinc)	2	

PROCEDURE:

●Instrument

Remove the four nuts① and gasket②with the sleeve and then remove the instrument(1).

Four pieces of instrument's own buffer are removed from the meter support(2) in the direction of arrows a and b respectively.

Remove the buffer glue from the Instrument bracket

●Instrument support

Remove the bolt (6) and then remove the left mounting ear (4) and the right mounting ear (5) of the instrument bracket.

CAUTION:

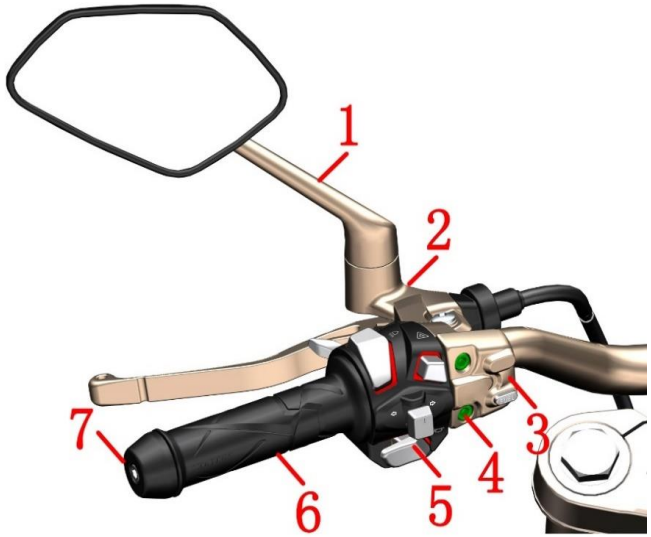
●When removing the instrument assembly, take care to protect the case and prevent scratches.

●When the assembly is handled, the corner should be tightened. The torque should not be too large to prevent the permanent deformation caused by the excessive deformation of the buffer.

●Do not flush the instrument directly with high-pressure water. Never wipe the instrument with a rag stained with organic solvents such as gasoline, kerosene, alcohol, or brake fluid. Otherwise, the instrument may cause localized cracks or discoloration due to contact with organic solvents.

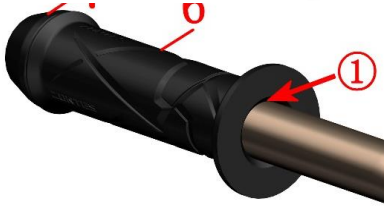
●Detailed description of the instrument refer to the description of the instrument in the description.

●It is forbidden to operate the instrument when driving a motorcycle, and it is forbidden to leave the direction handle during riding.

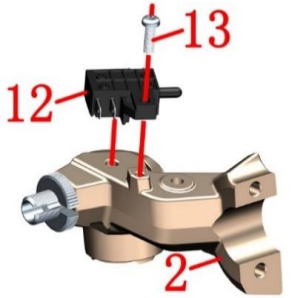












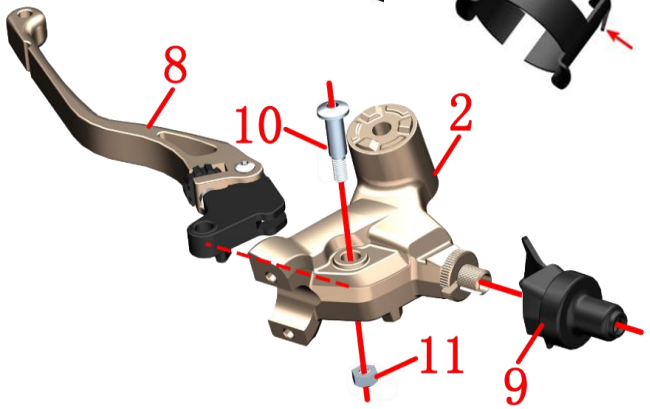




FIG.15 FRONT FORK COMPONENT		Left handle assembly	CHK / ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1194100-001000	ZT250-S Left rearview mirror	1	
2	1134100-034000	Left handle rocker arm(without switch/adjusting screw)	1	
3	1184200-132000	ZT310－R Left Handle Sub Switch (No ABS)	1	Stop selling
	1184200-152000	ZT310－R Second Generation Left Handlebar Switch (LCD)		
4	1250205-284091	GB70.1M6×30(stainless steel)(5 pcs/after-sale)	2	
5	1184201-005000	ZT310-X1 Left Handle Switch(after-sale)	1	
6	1244100-139000	ZT250-R left hand rubber sleeve(after-sale)	1	
7	1134200-023000	ZT250-R Balancing block	1	
8	1134100-031000	ZT250-R Left handle rocker (Machine)	1	
9	1244100-096000	ZT250－R protective rubber sleeve	1	
10	1251100-198000	Non-standard bolt M6×13－φ8×20	1	
11	1250304-001000	GB/T6185 hexagonal nylon lock nut M6 (environmental color)(5 pcs/after-sale)	1	
12	1184200-170000	ZT310-V Clutch switch	1	
13	1250201-086000	GB818 cross recessed pan head screw M4×12(color Zinc)(5 pcs/after-sale)	1	

PROCEDURE:

●Left assistant switch

Locate and unplug the left auxiliary switch cord plug. Fix the left-hand rocker arm seat (2) with one hand, remove the bolt (4) with a hexagonal tool with the other hand, and remove the left auxiliary switch (3).

●Left rear view mirror, left switch, rocker arm

Remove the clutch line by referring to the “Replace Clutch Line” procedure.. Remove the left rear view mirror(1),rocker base(2),left switch (5), and rocker arm(8) by referring to the steps in "Right Handle Assembly" and "Add Brake Fluid, Adjusting Rocker Arm".

●Left hand rubber sleeve and balance block assembly

Can be soaked in hot water for about 10 minutes before use a dust blower ①to blow the left hand grip between the rubber sleeve(6) and move the rubber sleeve inwards until the counterweight positioning hole is exposed. Press the convex parts at the two ends of the weight on the balance weight inward and pull out the balance weight assembly at the same time(7). Use a dust blower ①to inject the left sleeve of the rubber sleeve((6)and the direction of the handle .And move it outward to remove the rubber sleeve(6).

●Replace the left hand rocker arm and clutch switch

Fix the bolt(10) with a hexagonal tool, then remove the nut(11) with a sleeve or a wrench, remove the bolt(10) and then remove the left hand rocker arm(8). First unplug the clutch switch, then remove the bolt(13) with a Phillips screwdriver and remove the clutch switch(12). The rotation adjustment nut can adjust the distance between the rocker arm and the left hand rubber sleeve to adapt to the feel of different drivers.

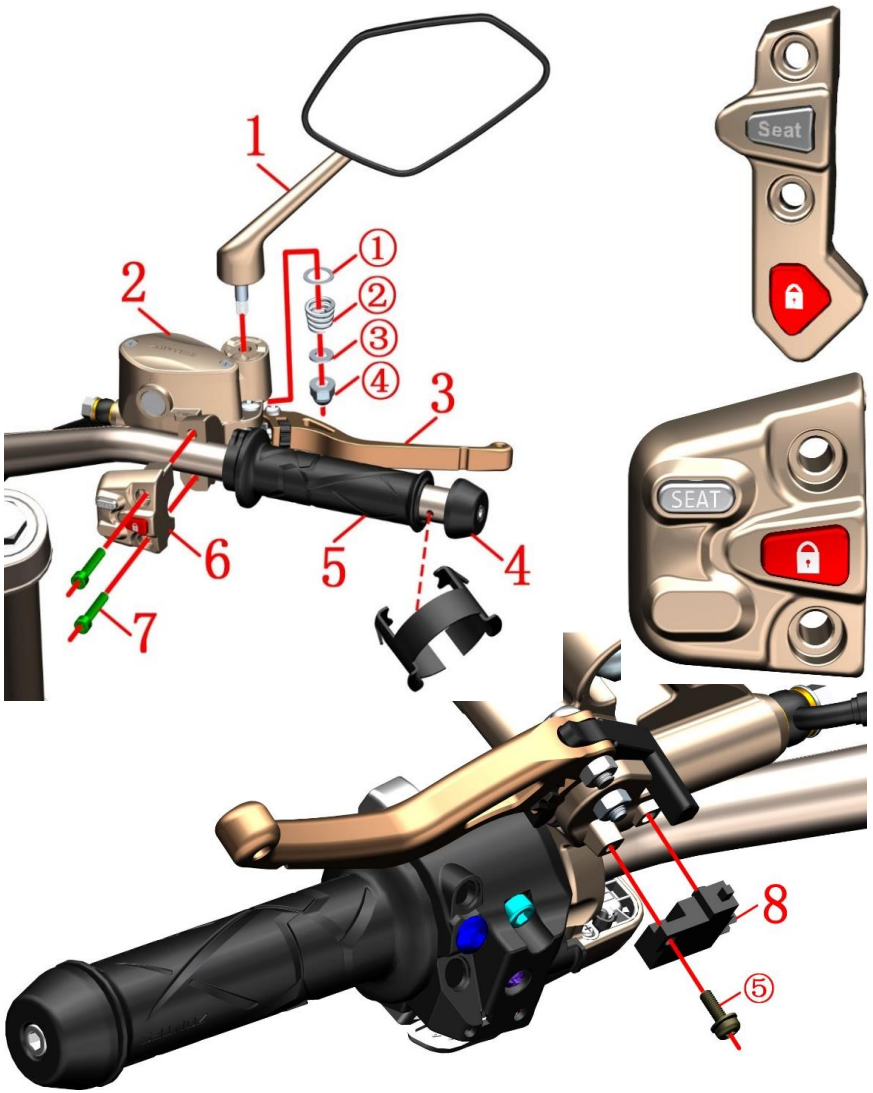
CAUTION:

●Press during reassembly: the left hand grip rubber sleeve - balance block - switch - left hand rocker arm - left rear view mirror.

●Note the triangle symbol on the rocker arm assembly and the assistant switch seam alignment switch.

●From mid-July 2019, the old hand switch will be switched to the new one. Production of the old model will be discontinued in the future; the old switch can be directly replaced with the new one.

●The second-generation deputy switch is equipped with a large magneto version of the motorcycle. The old motorcycle can be replaced by the second-generation deputy switch.



Old

New

FIG.16 FRONT FORK COMPONENT		Right handle assembly	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1194100-002000	ZT250-S Right rearview mirror	1	
2	1100300-044000	Front disc brake main pump assembly(without handle)	1	
3	1134100-032000	ZT250-R Right handle rocker arm (Machine)	1	
4	1134200-023000	ZT250-R Balancing block	1	
5	1244100-140000	ZT250-R right handle bar rubber sleeve(after-sale)	1	
6	1184100-105000	ZT310－R vice switch of right handle bar	1	Stop selling
	1184200-153000	ZT310－R Second Generation Right Handlebar Switch (LCD)		
7	1250205-284091	GB70.1M6×30(stainless steel)(5 pcs/after-sale)	2	
8	1100100-583000	ZT125T front brake switch	1	After-sale

PROCEDURE:

●Rearview mirror

Hold the mirror stem in one hand, remove the nut ④ with a sleeve, and remove the small pad ③, the spring ② and the large pad ①. Remove the mirror from the front brake master pump.。

●Right handlebar to put rubber sleeve, balance block

Push the rubber sleeve (5) with the right handlebar to push forward to expose the upper balance block fixing hole; use the tool to press the convex parts at both ends of the elastic block on the balance block and pull out the balance block assembly (4), and then put the right handle Remove the rubber sleeve (5).

●Right handlebar half cover

Hold the front disc brake main pump (2) with one hand, and remove the bolt (7) with the hexagon socket tool. Remove the wire plug connector of the sub switch (6) and pull it out.

●Front brake switch replacement

Unplug the brake switch

Remove the bolt ⑤ attached to the front brake main pump and replace the front brake switch. Note that the boss on the brake switch is aligned with the limit hole at the arrow indication of the front brake main pump.

CAUTION:

●Periodically check that the fluid level of the brake fluid is between 3/4 of the observation window.

●Do not flush the cup directly with high pressure water.

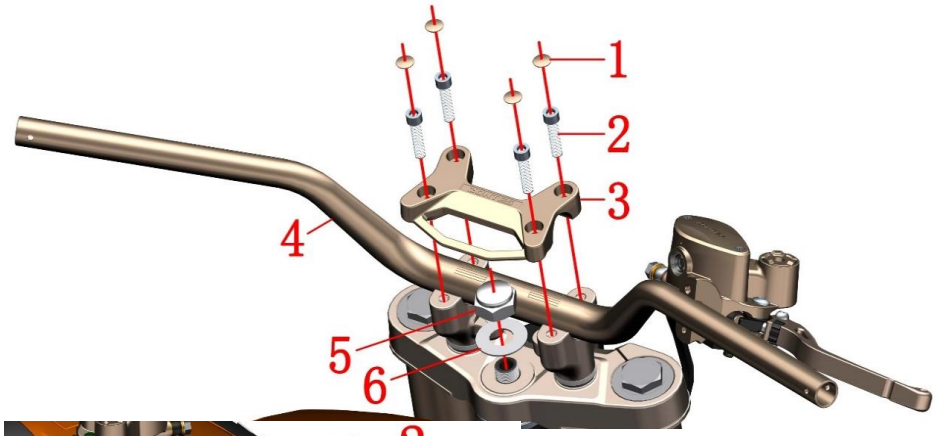
●When assembling the balance block, align the protruding parts at both ends of the shrapnel with the fixing holes on the handle and then insert the direction into the holes.

●The small spacer of the rear view mirror anti-rotation limit slot needs to be aligned with the slot on the mirror bar bolt.

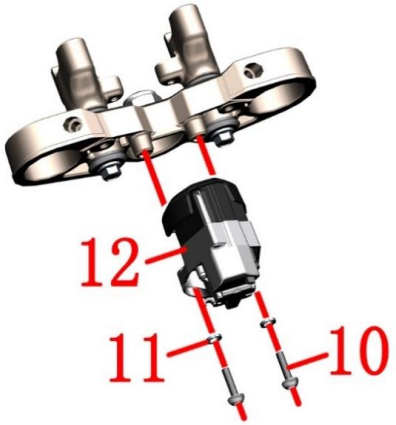
●The right handlebar refers to the switch to replace the throttle line.

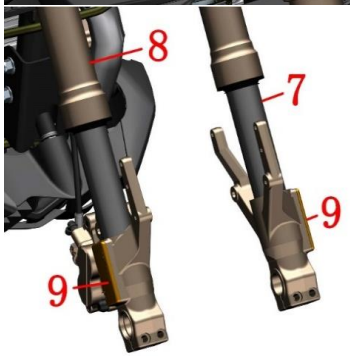
●The joint between the front disc brake main pump and the half cover should be aligned with the right hand to match the triangle on the switch.

●Old switch can be replaced as new models.











Old



New

FIG.17 FRONT FORK COMPONENT		Direction handle, upper plate assembly	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224100-094051	ZT250-S M8 bolt decorative buckle (titanium gold/WX)	4	
2	1250205-034093	GB70.1 Hexagonal Socket M8×30 (color Zinc)	10	
3	1134200-005000	ZT310－R press block of handle bar(home－made)	1	
4	1134200-003000	ZT310－R handle bar	1	
5	1251300-045000	ZT250-S Upper plate decorative nut (chrome)	1	
6	1251500-208000	ZT250-S upper connection gasket φ18.5×φ39×1 (chroming)(5 pcs/after-sale)	1	
7	1114200-027000	ZT310－R front left shock absorber(improved)	1	Includede reflection light
8	1114200-028000	ZT310－R front right shock absorber(improved)	1	
9	1174100-001000	ZT250－S reflection light	2	after-sales
10	1251100-121093	Non－standard bolt M6×25 (environmental color)	2	
11	1250501-007093	GB93φ8(color zinc)	2	
12	1184101-004000	ZT250-R Faucet Lock Assembly (Line Length 150/QZ)(after-sale)	1	Stop selling
	1184101-004000	ZT250-R Faucet Lock Assembly (Line Length 150/QZ)(after-sale)		New

PROCEDURE:

●Handlebar assembly

Pick up the decorative buckle(1) with a razor blade, hold the direction handle(4) with one hand, remove the bolt(2) with a hexagonal tool in one hand, remove the pressure block(3), the right pad block(5), the left pad block(6), and finally remove the handle(4).

●Uplink board assembly

Locate the faucet lock plug and remove it; remove the nut (5) and remove the shims (6). Remove the upper plate bolts (2).

● Front left and right shock absorption

Remove the bolts (2)on the lower link, and hold the shock absorber in the middle with one hand. Insert a slotted screwdriver into the slot of the upper and lower plates to slightly enlarge the slot clearance, and disassemble the left shock absorber (7) and the right shock absorber (8). under. Remove the upper plate assembly.

●Reflecting film

The reflector (9) is for replacement after sale (no shock reduction). The heat-reflecting sheet can be moved back and forth by a hot air blower to reduce the viscosity of the double-sided adhesive after being heated, and the residual glue should be cleaned after removing the reflector.

●Faucet lock

Remove the bolt (10)， and the spring washer(11)and the faucet lock(12).

CAUTION:

●Remove the head assembly, switch, cable, balance block, etc. according to the previous operation.

●Remove the direction of the assembly can not be rotated,rpevent scratching of paint。

●Use a flat-blade screwdriver to enlarge the gap between the upper and lower joint plates without applying excessive force to avoid damage

●When disassembling the shock absorber, move to the axis direction, do not rotate or swing to prevent surface scratches.

●Old faucet lock can be replaced as new models.

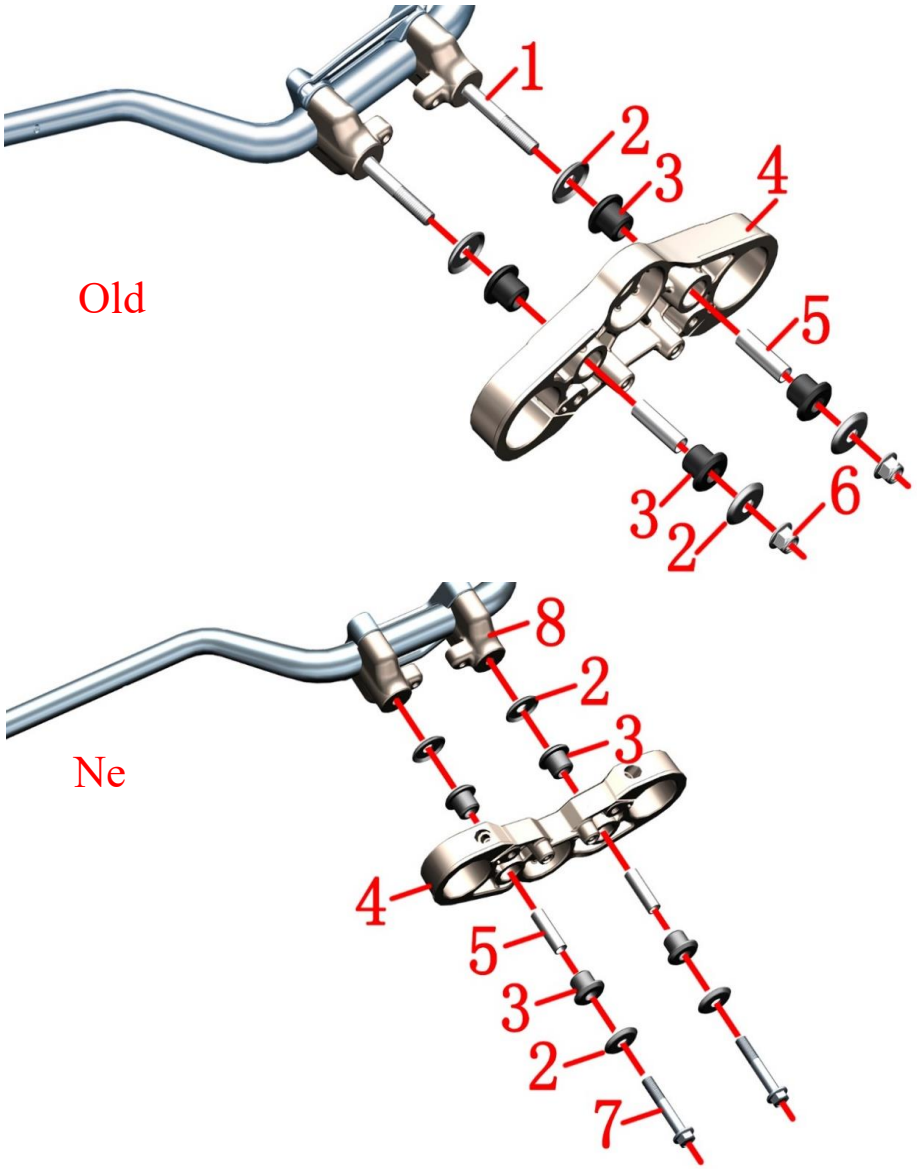


Fig. 18 FRONT FORK COMPONENT		Uplink plate, handle bar componen	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1134200-012000	ZT310－R direction pad assembly	2	old
2	1274201-100093	ZT310-R gasket of upper connecting board(5 pcs/after-sale)	4	
3	1244200-008000	ZT310－R buffer rubber of upper connecting board	4	
4	1134200-004000	ZT310－R upper connecting board(home－made)	1	
5	1251700-324000	ZT310-R bushing φ10×φ12×41(after-sale)	2	
6	1251300-057093	Non－standard nut M10×1.5(dacromet)	2	old
7	1250105-280000	GB5789 M10×1.25×60 (level 10.9 dacromet)	2	New
8	4094200-002051	ZT310-R direction pad M10×1.25(titanium/paint)	2	

PROCEDURE:

●Uplink plate and spacer assembly

In order to facilitate the direction of the block, the direction and the upper block should be assembled first to prevent the block from rotating during the disassembly process. The direction should be wrapped with cotton or other soft materials to prevent scratching the paint surface.

Old models:

Remove the nut (6)， and remove the gasket(2), cushion rubber (3), and bushing (5). Remove the upper plate(4). The direction pad component(1), the upper clamp and the direction handle are disassembled.

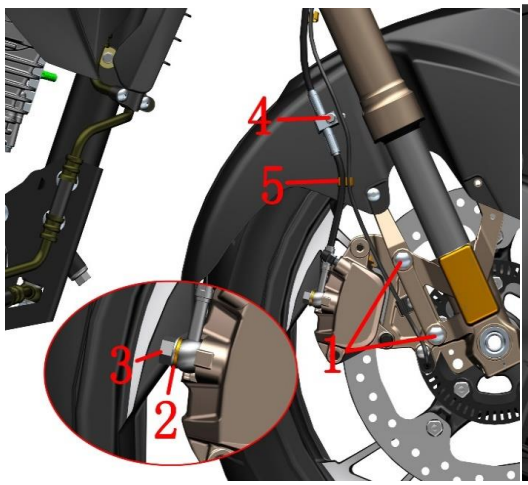
New models:

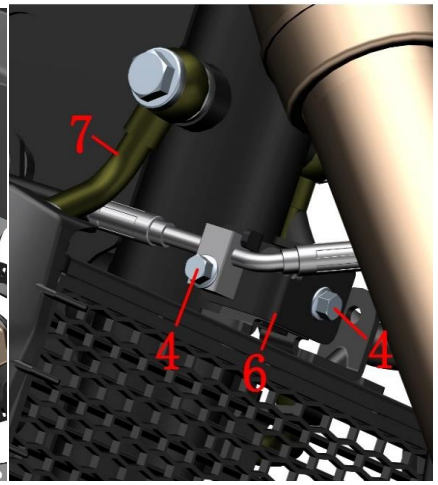
Remove the bols(7)， and remove the gasket(2), cushion rubber (3), and bushing (5). Remove the upper plate (4). The direction pad (8), the upper clamp and the direction handle are disassembled.

CAUTION:

●Protect protective measures to prevent scratching the appearance of parts.

●When reassembling, it is necessary to use the direction to ensure that the center and direction of the spacers on both sides are coaxial with the center. First install 4 pieces of cushioning rubber into the upper plate and then install the bushing separately. Make sure that the bushing is flush with the cushioning rubber, otherwise it should be reassembled. When tightening the nut, ensure that the torque is 40N.m. Check the buffer for spillage and reassemble if necessary.





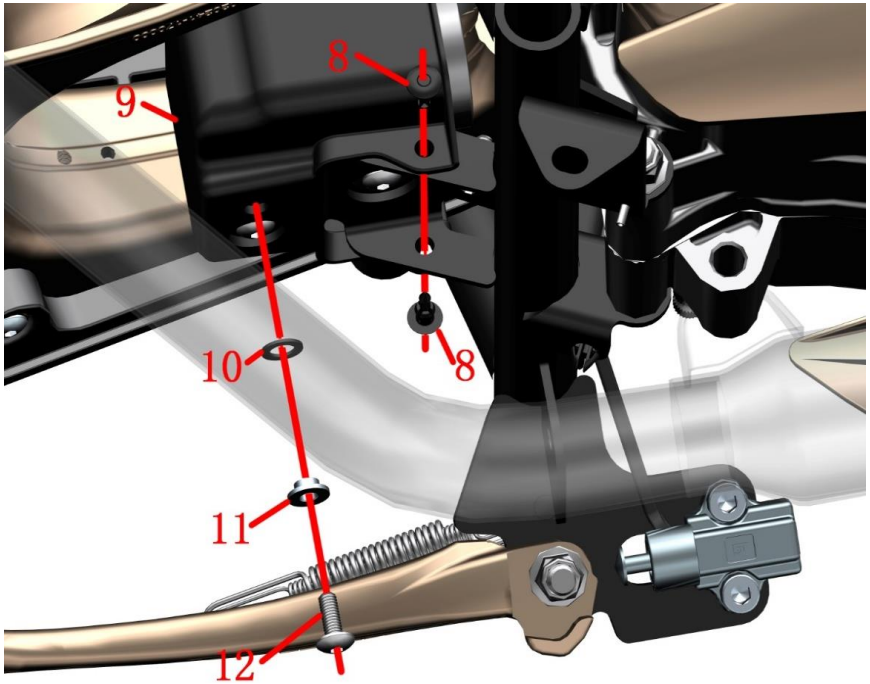


FIG.19 FRONT FORK COMPONENT		ABS braking system-1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-969094	Non-standard bolt M8×37 (environmental color Zinc)(after-sale)	2	
2	1100101-835000	Disc brake pipe copper washer φ 15× φ 10.2 × 1.5 (5 pcs/after-sale)	2	
3	1251100-112000	Disc brake pipe bolt M10×1－22	1	
4	1251100-870000	M6×22 Hex flang bolt thread (8.8 garde/environmental color Zinc)(5 pcs/after-sale)	3	
5	1226401-212000	Wheel speed sensor clamp(after-sale)	2	
6	1274100-079000	ZT250-R Front disc brake tube bracket No.2	1	
7	1244100-069000	ZT250－R oil cooler outlet pipe	1	
8	1224100-089000	ZT250-S Expansion nail(5 pcs/after-sale)	2	
9	1224100-047000	ZT250-R ABS hydraulic control init cover	1	
10	1241200-124021	flanging bushing buffer rubber (φ8.5×φ14×1)(5 pcs/after	1	
11	1274100-155095	Flanged bushing φ6.2×φ8.4×3.5＋φ14×1.5(5 pcs/after-sa	1	
12	1251100-102000	Non-standard bolt M6×16 (304 stainless steel)	1	

PROCEDURE:

●Front disc brake pump body

First refer to the previous operation of adding brake fluid, and remove the upper cover of the front disc brake main pump. Place the oil pan, remove the bolt (3) and remove the copper pad (2) and put it in the pipeline. Place the oil pan, remove the bolt (3), remove the copper pad (2), drain the brake fluid in the pipeline. Remove the bolts (1) and remove the lower pump body of the disc brake. Remove the bolt (4) on the front mud plate, and remove the wire clamp (5). When putting brake fluid, prevent it from touching the skin or dripping onto the ground or other parts of the vehicle. For the precautions of brake fluid, please refer to the description in the operation of adding brake fluid.

●Disc front Bracket

Remove the bolt (4) near the oil outlet pipe (7) of the oil cooler, without removing the bracket (6) and the bolt (4) at the front.

Pull the oil pipe out of the gap between the oil outlet pipe (7) and the frame.

●ABS protection cover

Refer to the steps in “Rear Flange Assembly” in the rear and rear trim assembly and remove the expansion screw(8), bolt(12), bushing(11), pad(10) and protective cover(9).

CAUTION:

●Need to remove the seat cushion, fuel tank and liner, side cover, lower shroud, hood component, muffler in advance.

●Do not disassemble the muffler and engine until they have completely cooled down.

●The motorcycle should be fixed horizontally and then disassembled.

●Because the ABS control system adopts the dry ABS control unit (ie, the ABS control unit itself does not have brake fluid), it must obtain our company's authorization code and adopt professional vacuum equipment to fill the ABS system with disc brake oil. If there is no professional equipment, it is forbidden to dismantle the whole

●Front and rear disc brakes The main pump oil cup does not need professional equipment and authorization code to add brake fluid, but need to prevent air from entering the piping.

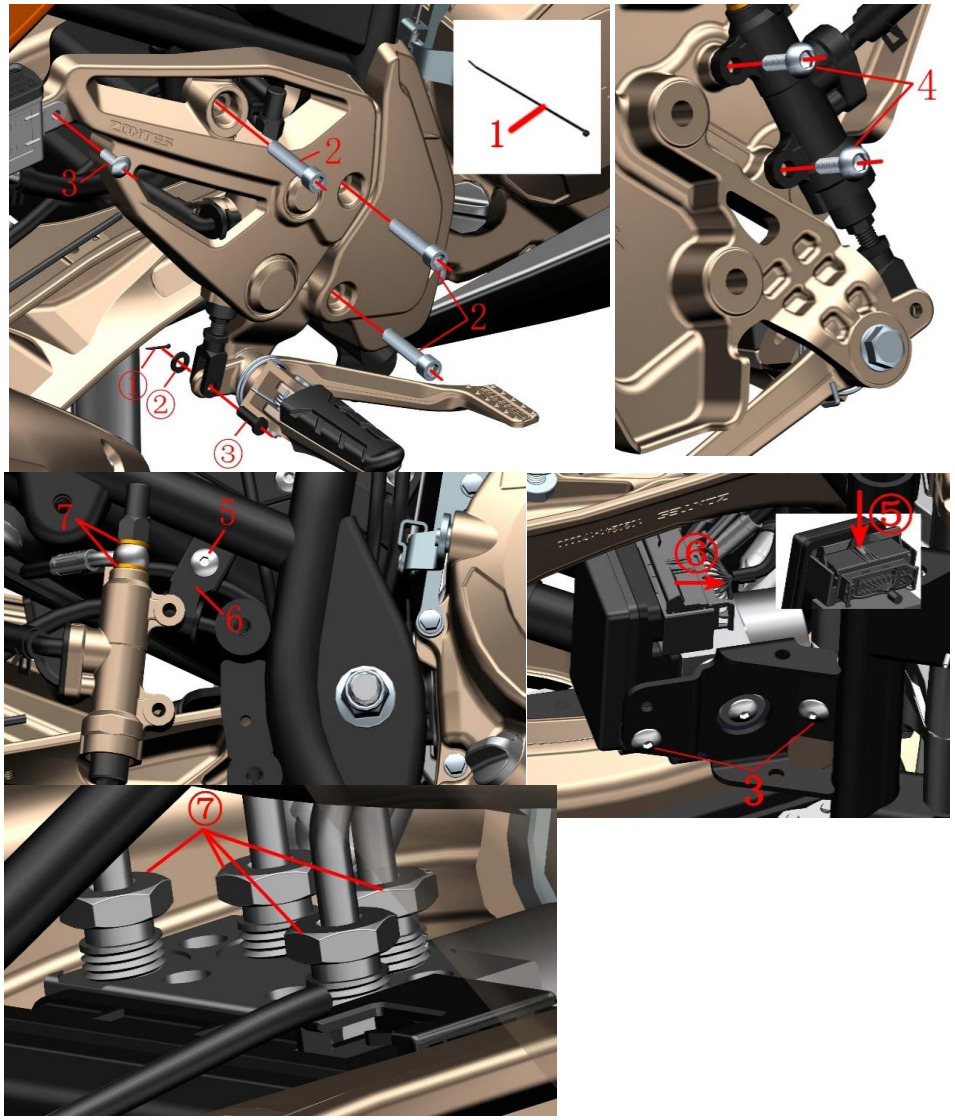


FIG.20 FRONT FORK COMPONENT		ABS braking system-2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1226000-218000	Grade 0 flame retardant tie (black 3.6×295)(5 pcs/after-sa	3	
2	1250205-023000	GB70.1 Hexagonal Socket M8×35 (color Zinc)	3	
3	1251100-102000	Non－standard bolt M6×16(304 stainless steel)	3	
4	1251100-121093	Non-standard bolt M6×25 (green color)	2	
5	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	1	
6	1274100-076000	ZT250-R Rear disc brake oil pipe clamp (steel)	1	
7	1100101-835000	Disc brake pipe copper washer φ 15× φ 10.2 × 1.5 (5 pcs/after-sale)	2	
8	1251112-291093	GB10674 M6×16 Hexagon flange bolts (9.8 grade/environmental color Zinc)(5 pcs/after-sale)	1	
9	1274100-088000	ZT250-R Rear disc brake oil pipe clamp (steel / rubber pad)	1	

PROCEDURE:

●Foot support assembly

Cut the cable tie (1); remove the split pin ①, gasket ②, and pin ③ at the connection between the rear brake main pump and the brake pedal. After removing the bolt (2), turn the pedal bracket assembly to the back and remove the bolt (4).

● Some components of ABS braking system

Place the oil pan, wear waterproof gloves, remove the copper pad (7) on the rear brake main pump with tools, and drain the brake fluid.

Remove the bolt(5) with the hexagonal tool and pull the tubing out of the bracket(6).

●ABS control unit assembly

Remove the bolts(3)at the joint between the ABS control unit and the frame, and cut the tie(1).

Press the limit tab⑤ on the cable connector and push the lever⑥ in the direction of the arrow to pull out the cable connector.

Pull out the ABS control unit assembly and place the oil pan underneath. First loosen the cross bolt on the upper lid of the front disc brake oil cup, and then loosen the nut ⑦with an open wrench to empty the brake fluid in the tubing. Finally clean the oil with a clean non-woven cloth.

CAUTION:

●Need to remove the seat cushion, fuel tank and liner, side cover, lower shroud, hood component, muffler in advance.

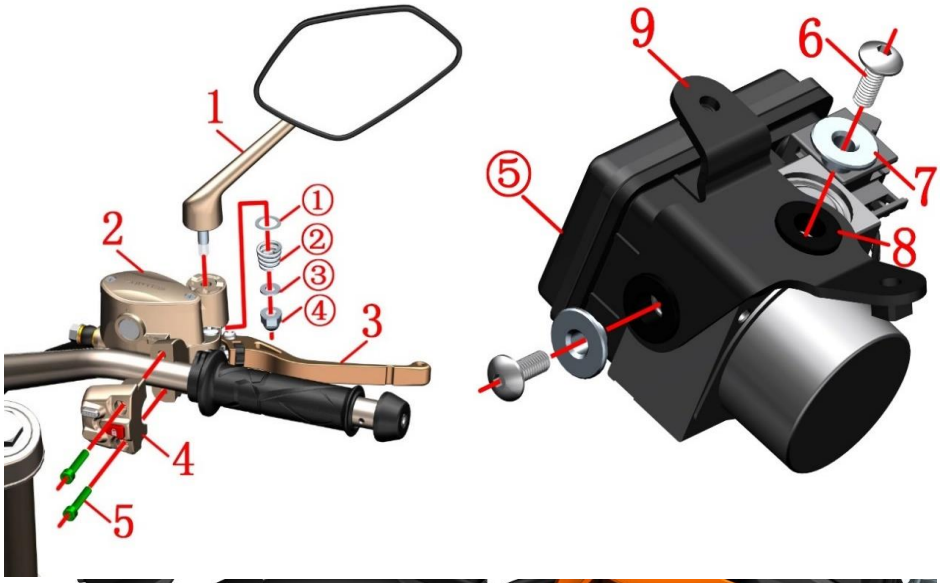
●Do not disassemble the muffler and engine until they are completely cooled.

●The motorcycle should be fixed horizontally and then disassembled.

●Because the ABS control system adopts the dry ABS control unit (ie, the ABS control unit itself does not have brake fluid), it is necessary to obtain our company's authorization code and use of professional vacuum equipment to fill the ABS system with disc brake oil. If there is no professional equipment, it is forbidden to dismantle the whole system without authorization, otherwise it may cause the brake to fail, resulting in accidental injury.

●Front and rear disc brakes The main pump oil cup does not need professional equipment and authorization code to add brake fluid, but need to prevent air from entering the piping.

●The torque standard of nut⑦ is 18N.m.



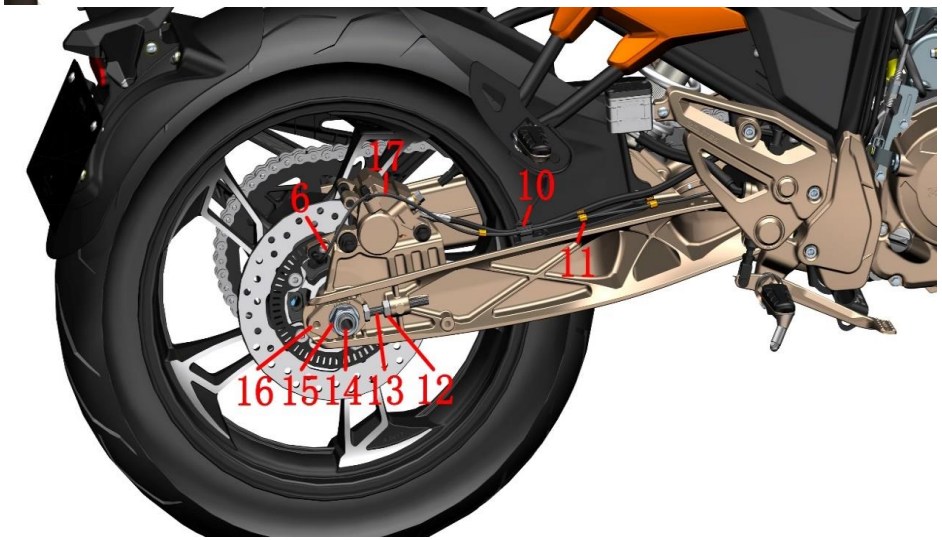


FIG.21 FRONT FORK COMPONENT		ABS braking system-3	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1194100-002000	ZT250-S Right rearview mirror	1	
2	1100300-044000	ZT125T front disc main pump assembly(without rocker arm)	1	
3	1134100-032000	ZT250-R Right handle rocker arm (Machine)	1	
4	1184100-105000	ZT310－R vice switch of right handle bar	1	Stop selling
	1184200-153000	Second Generation Right Handlebar Switch (LCD)		
5	1250205-284091	GB70.1M6×30(stainless steel)(5 pcs/after-sale)	2	
6	1251100-102000	Non-standard bolt M6×16 (304 stainless steel)	3	
7	1274101-015000	ZT250-S flanging sleeve(φ6.4×φ9×6＋φ20×2)(5 pcs/afte	2	
8	1244100-137000	ZT250-S Flanging bushing buffer(5 pcs/after-sale)	2	
9	4024100-020000	ZT250-R ABS mounting bracket	1	
10	1224201-027000	ZT310-R Rear disc brake pipe clamp(after-sale)	1	
11	1226401-212000	Wheel speed sensor clamp(after-sale)	3	
12	1251300-050000	ZT310-Z Chain adjuster nut M10 (304 stainless steel)	1	
13	1251100-105000	ZT310－Z chain adjuster bolt M10×70 (304 stainless steel)	1	
14	1094100-032000	ZT250-R Rear wheel hollow shaft	1	
15	1251300-237000	ZT250-R rear wheel hollow shaft nut(after-sale)	1	110N.m
16	1274100-072000	ZT310 Right adjuster	1	
17	1184200-045000	DF30 wheel speed sensor	1	

PROCEDURE:

●Front disc brake main pump assembly

Referring to the steps of "Right Handle Assembly" and "Adding Brake Fluid, Rocker Adjustment", remove the rearview mirror(1), the front brake main pump(2), the rocker arm(3), the half cover(4), and the bolt(5). Remove the tube.

●ABS mounting bracket assembly

Remove the bolt(6), bushing(7), bracket(9) and ABS control unit⑤ with the hexagonal tool; remove the buffer(8) from the bracket.

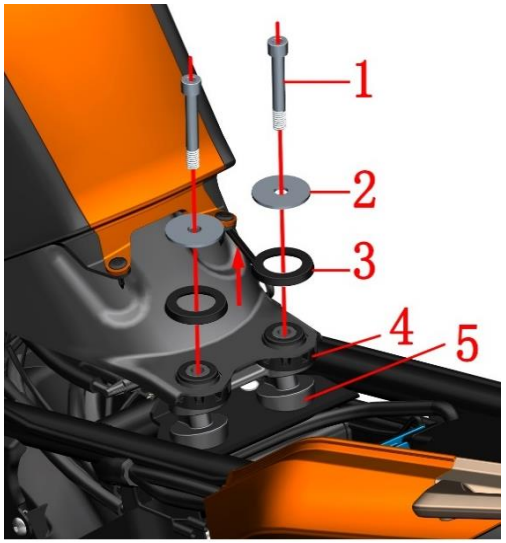
●ABS rear assembly

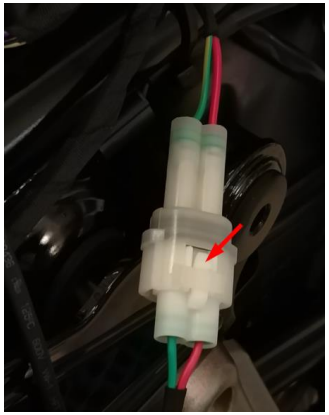
Remove the clip(11); pull the tubing from the clip(10); remove the bolt(6) with the hexagonal tool and pull the wheel speed sensor(17) out from the rear caliper.

Refer to the steps of the "rear wheel assembly" in the rear and rear trim assembly. Turn the nut(12) and bolt(13) forward and remove the hollow shaft nut(15). Hold the rear wheel assembly with one hand and tap the hollow end of the hollow shaft(14) with a rubber hammer to retract the hollow shaft until the caliper can be removed.

CAUTION:

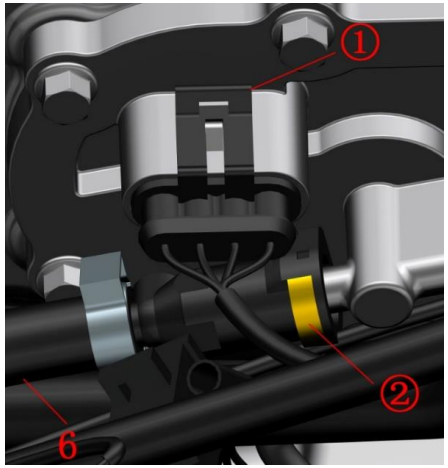
●Because of the special nature of the brake system, it is not recommended to dismantle and repair it by yourself; be sure to give it to a qualified repair center.

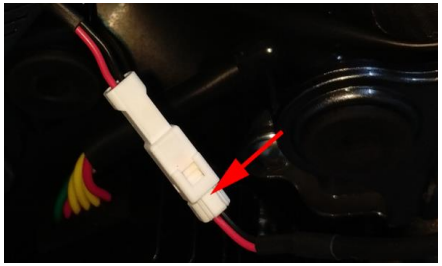




A







B

FIG.1 FUEL TANK INNER COVER		Fuel tank inner tank component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250205-043093	GB70.1M8×55 (environmental color)	2	
2	1251900-092093	ZT250-R fuel tank flat pad φ9×φ37.5×2 (environmental color)(5 pcs/after-sale)	2	
3	1244100-020000	Fuel tank press rubber	2	
4	1244100-053000	Fuel tank gasket rubber	2	
5	1274101-040000	ZT250-R cushion fixing block(after-sale)	1	
6	1050954-006000	Fuel injection high pressure subcomponent	1	

PROCEDURE:

●Fuel tank inner tank component

Short press the unlock button " ", after the power-on self-check is completed, short press " " to open the outer cover of the fuel tank. Be careful not to close the outer cover of the fuel tank.

Remove the bolts (1) with the inner hex tool; Remove flat gasket (2) and press rubber (3).

Lift the rear of the tank, remove the gasker rubber (4) and fix the seat block (5).

Locate and unplug the cable connector of the electronic fuel tank lock near the front of the right side cover (Figure A)

Locate and unplug the electronic PKE external antenna cable connector near the front of the left side cover (picture B).

Pull the main line limit card ① into the outside and pull out the plug.

Find the limit card ring ② on the top of the high pressure tubing unit (6), and press the pressure to the outside.

Continue to raise the tank's bladder component, clamp the pipe clamp on the air pipe by the arrow direction, and remove the vent pipe.

Move the tank inside the tank slightly to the left and right and then pull back to the top.

CAUTION:

●Remove the seat cushion, side cover, fuel tank cover, etc. in advance.

●When the high pressure fuel pipe is removed, it must be operated after the engine and muffler are completely cooled to prevent accidental ignition of the fuel.

●Fireworks should be strictly prohibited in the vicinity of the motorcycle repair place, answering or dialing, etc. to prevent accidents.

●A small amount of fuel leaks when the high pressure pipe subassembly is pulled out. Prevent the fuel from dripping outside the engine or muffler.

●When disassembling the tank assembly, it is recommended that the fuel be pumped out by the fuel pump or consumed at first.

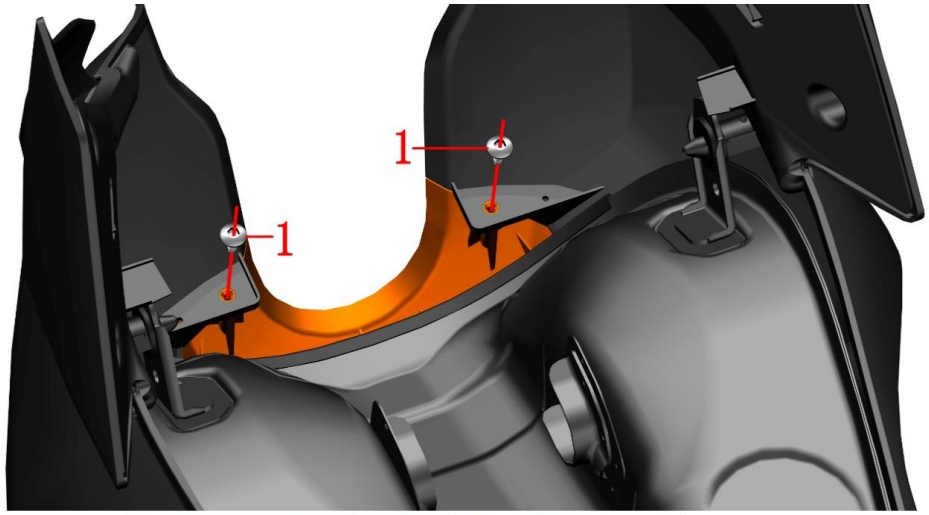




FIG.2 FUEL TANK COVER		Fuel tank middle cover assembly	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251200-033093	Non-standard nut (environmental color)	2	
2	1251100-102000	Non-standard bolts M6×16 (304 stainless steel)	2	
3	1224100-089000	ZT250-S Expansion nail(5 pcs/after-sale)	2	

PROCEDURE:

●Fuel tank middle cover assembly

Turn the Fuel tank cover and Fuel tank liner assembly upside down and remove the bolt (1).Be careful not to close the Fuel tank cover and take care to protect the paint surface.

Remove the swell nail.(3)

Remove the bolt (2) with the hexagonal tool and be careful not to pull the Fuel tank cover nylon rope①.

Pull back the middle cover assembly and remove it.

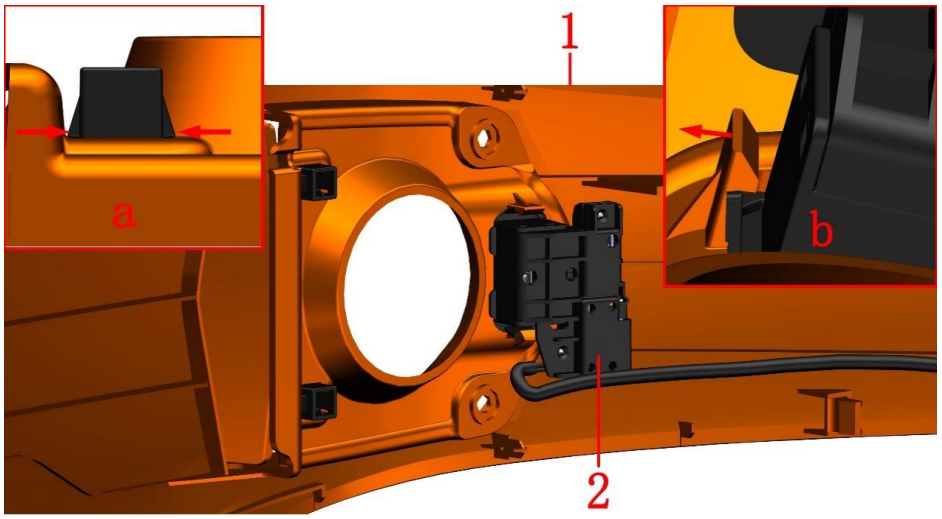
CAUTION:

●Make sure the motorcycle is fixed during the process of discomponent.

●Do not close the fuel tank cover and do not release the fuel tank cover when disassembling.

●The torque of the self-tapping screw during reassembly should not be too large to prevent damage to the fuel tank cover.

●The material should be protected during the disassembly process to prevent damage to the paint surface.



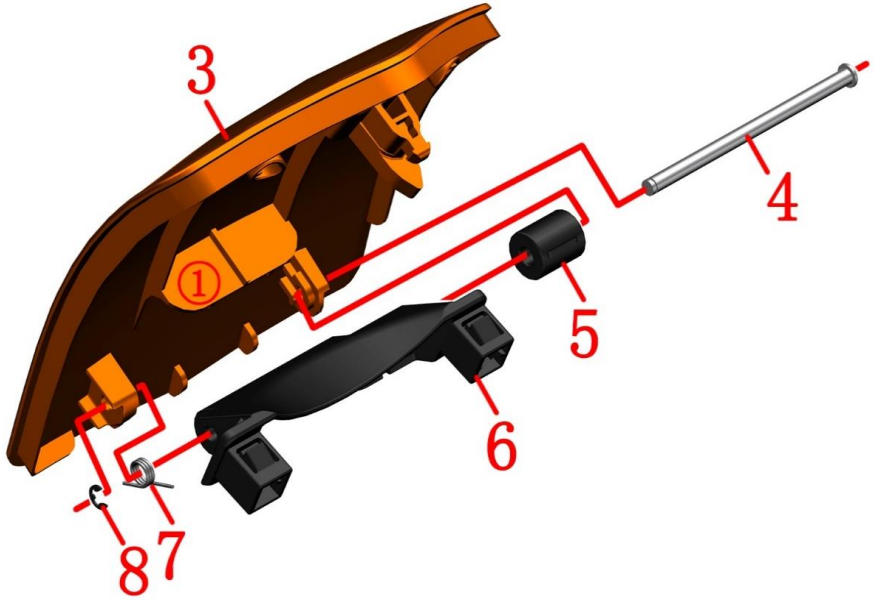


FIG.3 FUEL TANK COVER		Fuel tank middle cover、Fuel tank cover、Fuel tank lock	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	4044101-003033	ZT250－R Fuel tank middle cover（bright orange）	1	orange
	4044101-003064	ZT250－R Fuel tank middle cover（bright blue）		blue
	4044101-003021	ZT250－R fuel tank middle cover (special black)		gray
	4044101-003051	ZT250-R fuel tank cover (titanium)		special black
2	1184200-245000	ZT310 electronic fuel tank lock(after-sale)	1	
3	4044100-010033	ZT250－S Fuel tank cover（bright orange）	1	orange
	4044100-010064	ZT250－S Fuel tank cover（bright blue）		blue
	4044100-010021	ZT250－S fuel tank cover (special black)		gray
	4044100-010051	ZT250－S fuel tank cover (titanium)		special black
4	1274101-016000	ZT250-S rotating axle of fuel tank outside cover(after-s	1	
5	1224101-009000	ZT250－S Fuel tank cover rotation damping(after-sale)	1	
6	1260100-469000	ZT310-T storage box cover rotating shaft limit circlip(5 pcs/after-sale)	1	
7	1260100-486000	ZT250-S torsion spring of tank outer cover rotating shaft(5 pcs/after-sale)	1	
8	1260100-469000	ZT310-T storage box cover rotating shaft limit circlip(5	1	

PROCEDURE:

●Fuel tank lock

Use a slotted screwdriver to carefully open the two ends of the middle cover, as shown in Figure b, remove the Fuel tank lock (2), pay attention to prevent damage to the buckle.

●Fuel tank cover assembly

Hold the clamp of the rotating bracket (6) with a needle-nose pliers and clamp it sbrightly. As shown in Figure a, remove the cover assembly and pay attention to prevent damage to the buckle.

Use the shaft to remove the retainer(8) on the rotation shaft (4) with the circlip pliers. Remove the rotating shaft(4), separate the torsion spring (7), rotating bracket (6), damper (5).

CAUTION:

●Proper material should be protected during disassembly to prevent damage to the paint surface.

●Take care when disassembling the buckle to prevent damage to the buckle.

●Be careful not to lose your own spring when removing the rotating bracket

●When assembling, pay attention to whether the length of the process clip ① on the cover is too long. If it is too long, be sure to cut it short.

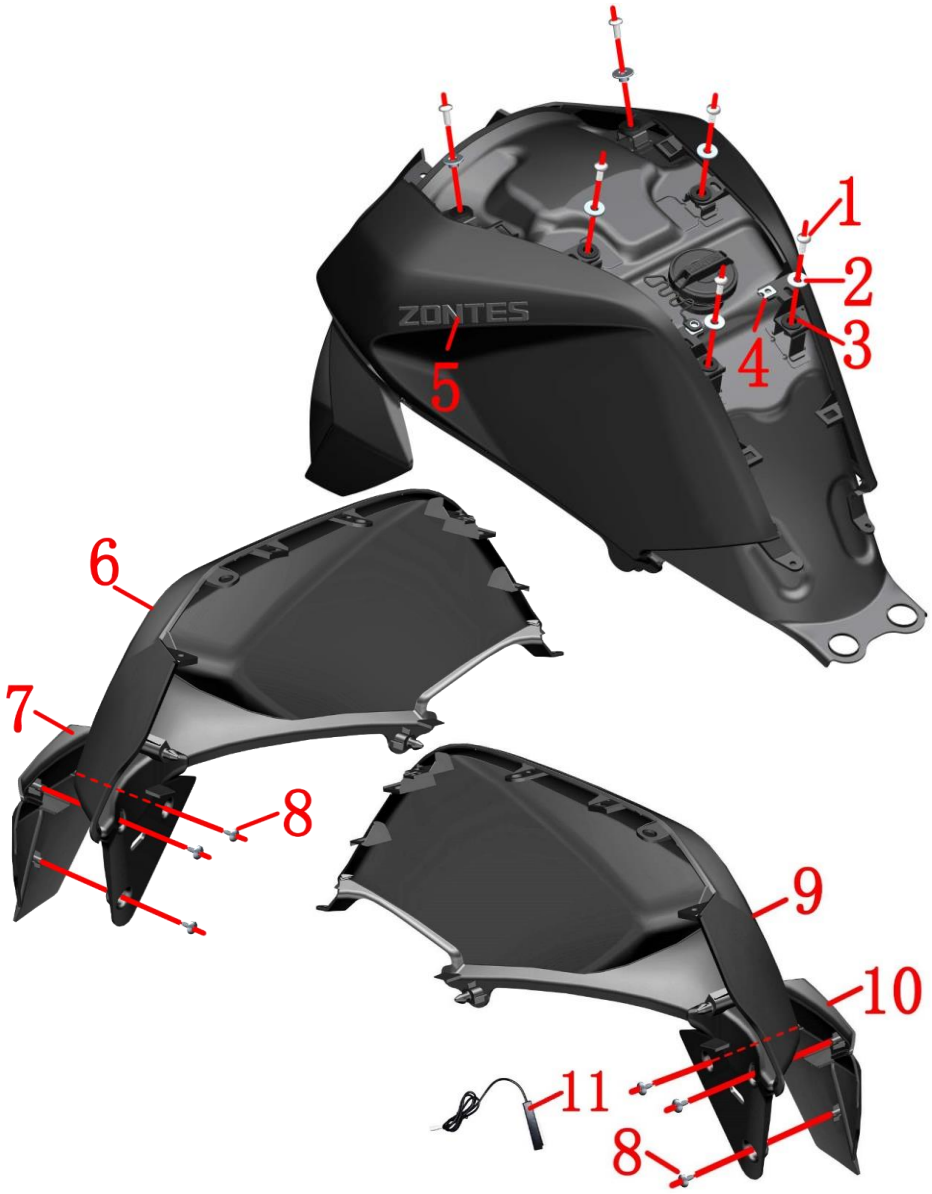


FIG.4 FUEL TANK COVER		Fuel tank left and right cover assembly	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non-standard bolt M6×16（stainless steel）	6	
2	1274101-015000	ZT250-S flanging sleeve(φ6.4×φ9×6＋φ20×2)(5 pcs/af	6	
3	1244100-137000	ZT250-S Flanging bushing buffer(5 pcs/after-sale)	6	
4	1251300-202094	Plywood M6×11×15(zinc-nickel)(5 pcs/after-sale)	2	
5	1210341-052000	ZT250-S fuel tank label(after-sale)	2	for after-sale
6	4044101-002036	ZT250－R right tank cover (electroplated bright gray highlight)	1	【1】
	4044101-002021	ZT250－R right tank cover (special black)		special black
7	4044100-011036	ZT250－S fuel tank right decorative cover	1	【1】
	4044100-011021	ZT250－S fuel tank right decorative cover (special black)		special black
8	1251200-033093	Non-standard tapping screw ST4.2×12	6	
9	4044101-001036	ZT250－R left tank cover (electroplated bright gray highlight)	1	【1】
	4044101-001021	ZT250－R left tank cover (special black)		special black
10	4044100-013036	gray highlight)	1	【1】
	4044100-013021	ZT250－S fuel tank left decorative cover (special black)		special black
11	1184200-248000	ZT310PKE external single antenna(after-sale)	1	

PROCEDURE:

●Fuel tank left and right cover assembly

Remove the bolt (1), bushing (2), buffer rubber (3) and plywood (4) with the hexagonal tool. Remove the fuel tank left and right cover assembly.

●Disassemble fuel tank left cover assembly

Remove the screw (8) with the hexagonal tool, remove the left side cover decorative cover (10), and the left Fuel tank cover (9).

●Disassemble fuel tank right cover assembly

Remove the screw (8) with the hexagonal tool, remove the right side cover decorative cover (7), and the left Fuel tank cover (6).

●PKE antenna

Remove the PKE external antenna from the upper part of the left cover of the fuel tank.Use a hot air gun to heat up a bit, remove the double-sided glue， and clean the residual glue.

●Fuel tank sticker

If the Fuel tank sticker needs to be replaced with a hot air gun or a hair dryer, it can be moved back and heated and then torn off. The fuel tank sticker can be purchased separately as an optional part. Crude fuel tank left and right Fuel tank covers already contain this sticker

CAUTION:

●The paint surface should be protected when disassembling, pay attention to strength.

●The torque of the tapping screw should not be too large during reassembly to prevent damage to the Fuel tank cover.

●【1】 use for bright orange /bright blue /dark bright gray vehicle.

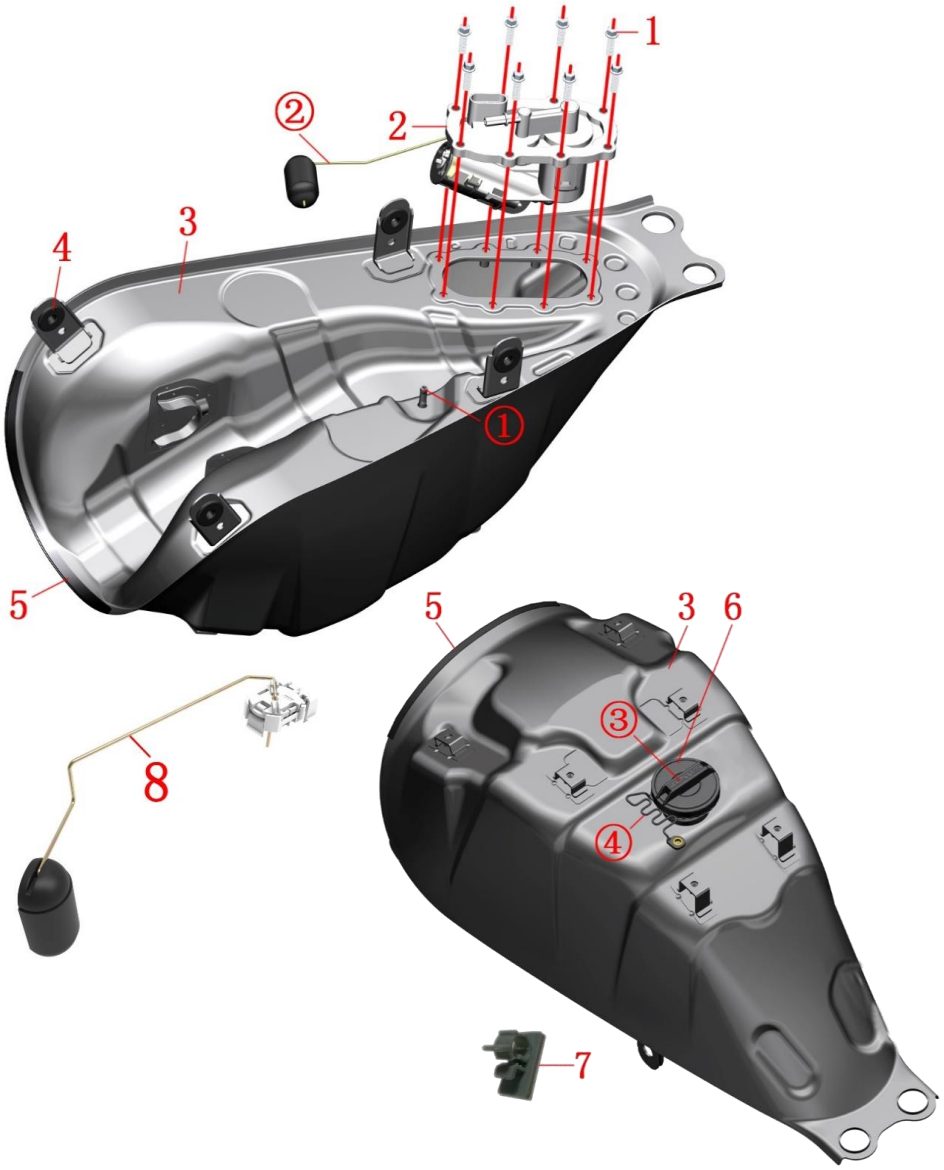


FIG.5 FUEL TANK INNER COVER		Fuel tank inner tank	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250105-137093	GB5789M6×16 (environmental color)	8	
2	1050953-020000	T02 built-in fuel pump	1	
3	4034100-006000	Fuel tank inner tank	1	
4	1244100-138000	ZT250-S Side cover round rubber(5 pcs/after-sale)	4	
5	1240300-397021	HJ125-6 pod glass strip (1.5m)(after-sale)	0.17	
6	1224100-033000	Fuel tank cap	1	
7	1224200-283000	ZT310PKE External antenna mount(after-sale)	1	
8	1164100-006000	T02 oil level sensor	1	

PROCEDURE:

●Fuel pump

Place the tank inside the tank and place it firmly and remove the bolt (1) with the sleeve.

When the fuel pump(2) is removed, do not bend or bend the float rod②to prevent the oil output from being inaccurate.

●Side cover round rubber

Squeeze the side cover round the side of the glue (4) with your hand and squeeze it out of the tank.

●Plastic piece

Use your hand to tear off the tape (5) counterclockwise. at the end of the tape.

●Fuel tank cap

Tighten it by hand ③Remove the fuel tank cap by turning it counterclockwise (6), be careful not to pull the nylon rope ④.

●Fuel tank cap

After removing the antenna fixing block (7) from the inner container assembly, clean up the remaining glue.

CAUTION:

●When disassembling the tank assembly, it is recommended that the fuel be pumped out by the fuel pump or consumed at first.

●Fireworks should be strictly prohibited in the vicinity of the motorcycle repair place, answering or dialing, etc. to prevent accidents.

●Reverse the tank assembly. When removing the fuel pump, be sure to check whether the fuel tank cover has been tightened to prevent residual fuel from escaping from the tank port; there may be a small amount of fuel in the vent pipe ① when the tank cover is removed.

●When reassembling the fuel pump, be sure to clean the joint surfaces of the clean fuel pump seal pad and the tank liner. When locking the bolt, ensure that the seal gasket is evenly deformed by staggering the position.

●It is forbidden to forcefully pull the cable when removing the timer lock.

●When assembling the fuel tank cap, pay attention to rotating ③ to the position shown in the figure. In other positions, it may interfere with the process clip of the fuel tank cover.

●T02 oil level sensor dose not contain fuel pump body。Make sure you have the ability to change it.

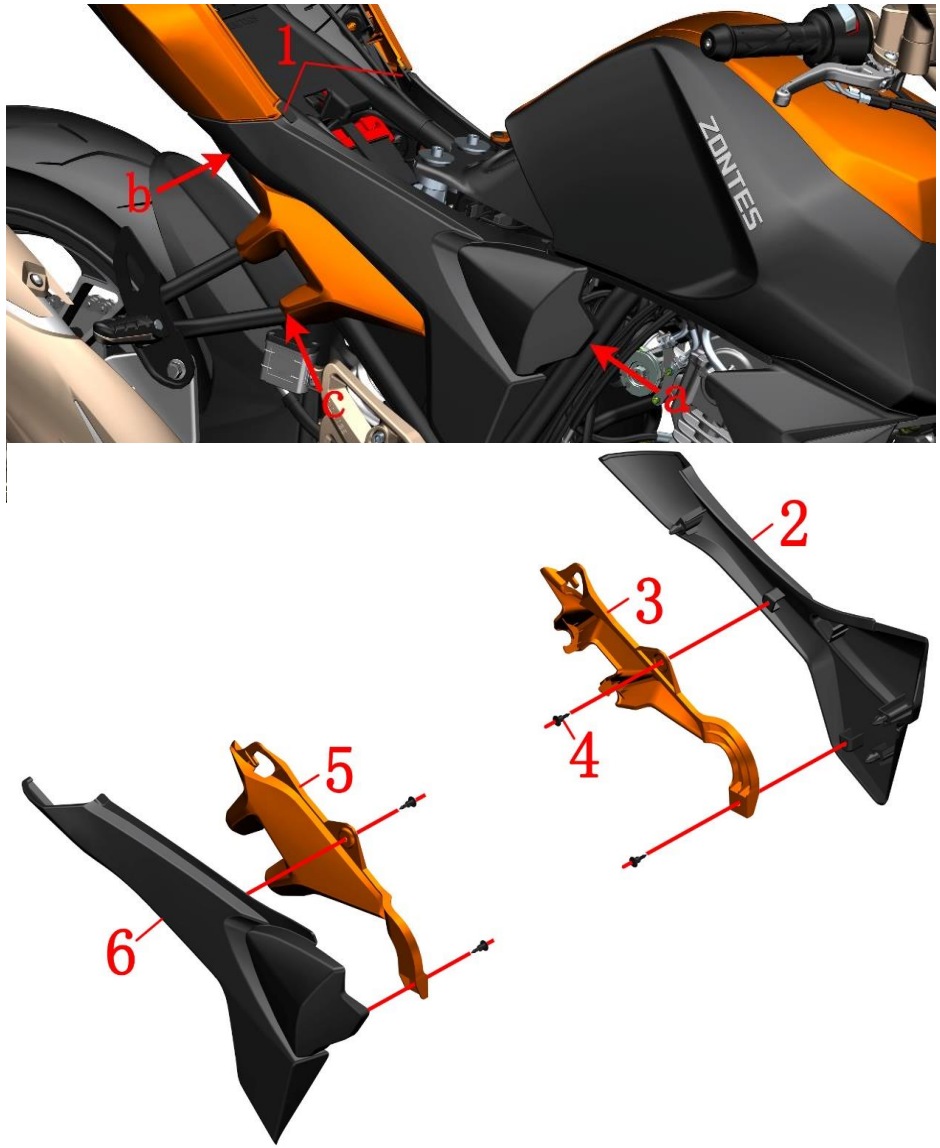


FIG.1 SIDE COVER COMPONENT		Side cover assembly	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224100-024000	ZT250－S Plastic connection piece	2	
2	4044100-016036	ZT250－S left side cover (electroplated bright gray highlight)	1	
	4044100-016021	ZT250－S left side cover (special black)		special black
3	4044100-021033	Left side cover decorative cover (bright orange)	1	orange
	4044100-021064	Left side cover decorative cover (light blue)		blue
	4044100-021021	ZT250－S left side cover decorative cover (special black)		gray
	4044100-021036	ZT250－S left side cover decorative cover (electroplated bright gray highlight)		special black
4	1224100-089000	ZT250-S Expansion nail(5 pcs/after-sale)	4	
5	4044100-020033	Right side cover decorative cover (bright orange)	1	orange
	4044100-020064	ZT250－S right side cover cover (bright blue)		blue
	4044100-020021	ZT250－S right side cover decorative cover (special black)		gray
	4044100-020036	ZT250－S right side cover decorative cover (electroplated bright gray highlight)		special black
6	4044100-014036	ZT250－S right side cover (electroplated bright gray highlight)	1	
	4044100-014021	ZT250－S right side cover (special black)		special black

PROCEDURE:

●Side cover assembly

Remove the plastic connection piece (1).

Press the a-end of the right side cover to pull out forcibly, then pull out the b-end, remove the right cover assembly; Similarly remove the left cover assembly.

Use a small cross screwdriver to press the center of the expansion nail down.

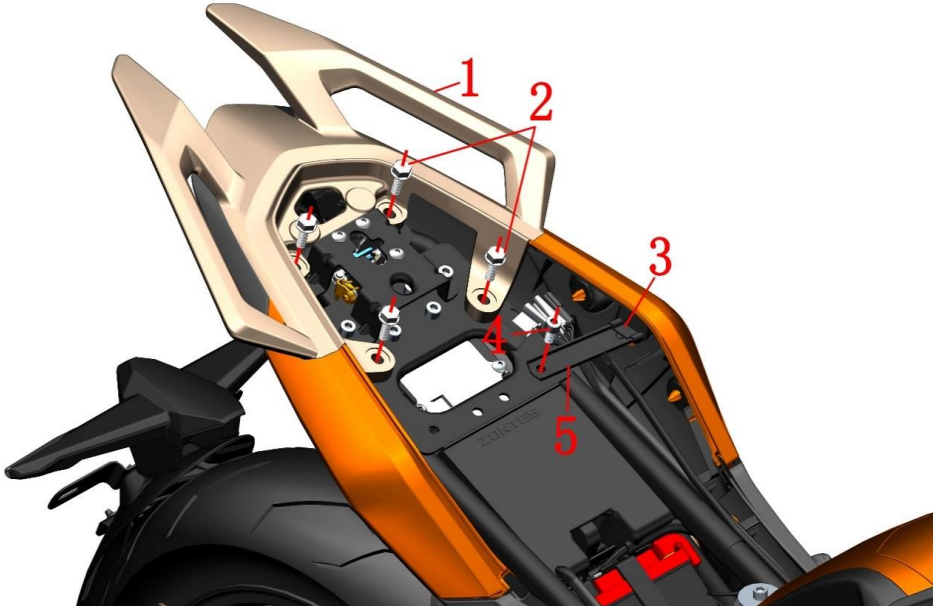
Separate the side cover and the side cover decorative cover.

CAUTION:

●Make sure the motorcycle is fixed during the process of disassembly.

●Use force to pull outwards when removing the side cover assembly, do not pull it diagonally to prevent breaking the staple bolt.

●When assembling the side cover assembly, it should first install the b-end, then install the a-end, and then press c-end to attach the decorative cover to the frame pipe.



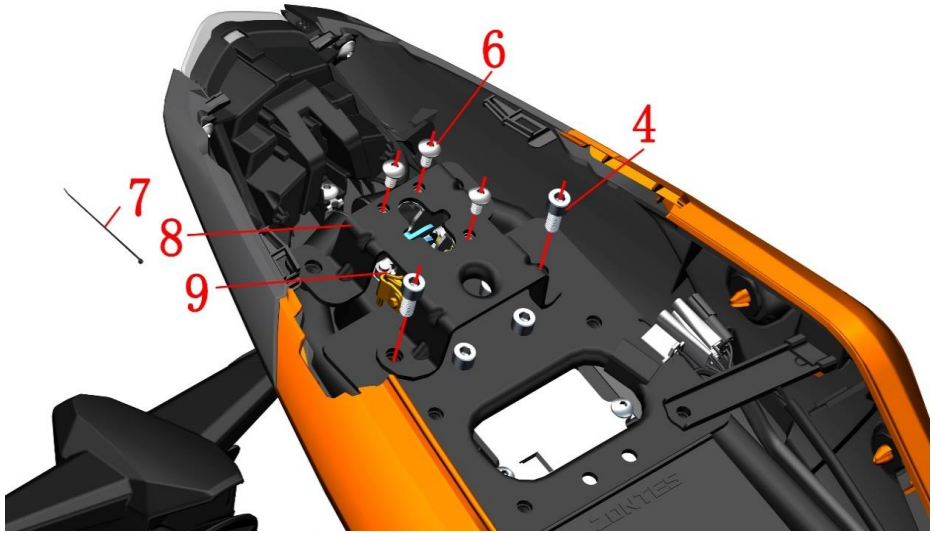


FIG.1 REAR COVER COMPONENT		Rear handrail、Cushion lock bracket	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1144100-001000	ZT250－S Rear handrail	1	
2	1251100-123093	Non-standard bolt M8×25（environmental color）	4	
3	1244100-065000	ZT250-S rear cover left limit rubber	1	
4	1250205-040095	GB70.1 inner hex bolt M8×16(color Zinc)	3	
5	1274100-075000	ZT250－S Rear cover left limit bracket	1	
6	1251100-101000	Non－standard bolt M6×12 (304 stainless steel)	3	
7	1224101-004000	pcs/after-sale)	2	
8	1020241-229000	ZT250－R seat cushion lock bracket	1	
9	1186001-046000	ZT310 Electric seat lock(after-sale)	1	

PROCEDURE:

●Rear handrail

Remove the bolt (2) with the sleeve and remove the rear handrail (1).

●Rear cover left limit bracket

Remove the bolt (4) in the upper left figure with the inner hexagon tool.

Remove the left limit bracket (5) and remove the lower limit rubber (3) from the bracket.

●Cushion lock bracket

Remove the 2 bolts (4), and lift the cushion lock assembly.

Remove the 3 bolts (6), and separate the cushion lock (9) from the cushion lock bracket (8)

Cut or remove the cable tie (7), find and remove the cable connector of the cushion lock (9)

CAUTION:

●Make sure the motorcycle is fixed during the process of discomponent.

●In the process of discomponent, the material should be protected to prevent damage to the paint surface.

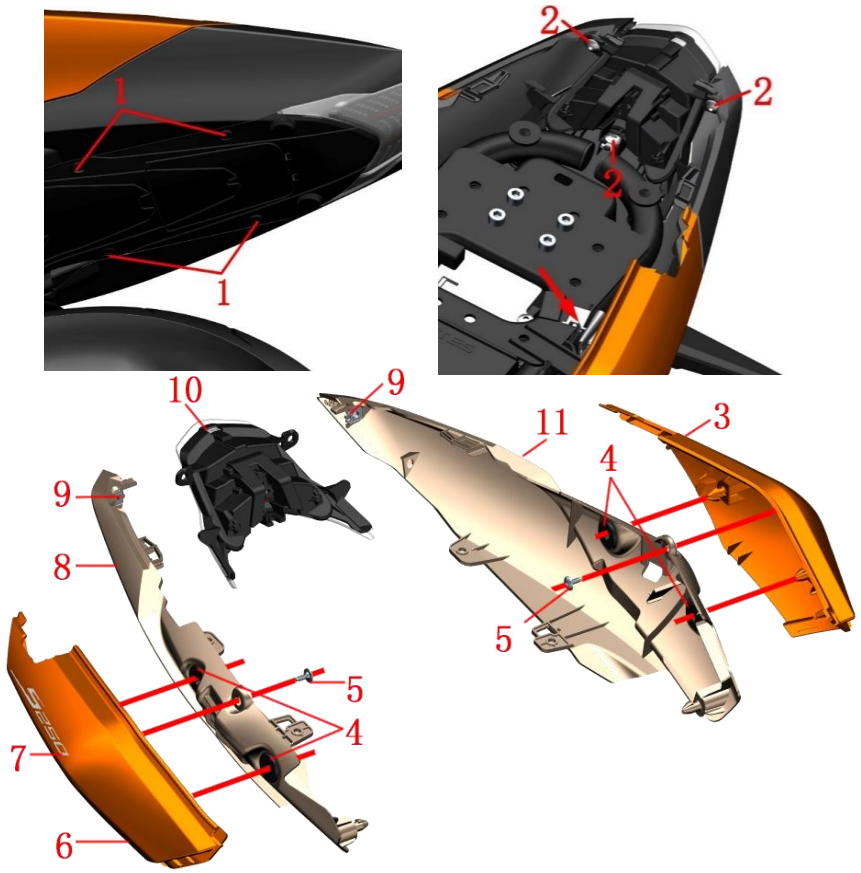


FIG.2 REAR COVER COMPONENT		Rear skirt 、 rear light component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224100-089000	ZT250-S Expansion nail(5 pcs/after-sale)	4	
2	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	3	
3	4044101-006033	ZT250－R rear left cover (bright orange)	1	orange
	4044101-006064	ZT250－R rear left cover (bright blue)	1	blue
	4044101-006021	ZT250－R rear left decorative cover (special black)	1	gray
	4044101-006036	ZT250－R rear left decorative cover (electroplated bright gray highlights)	1	special black
4	1244100-138000	ZT250-S Side cover round rubber(5 pcs/after-sale)	4	
5	1251200-033093	Non-standard self-tapping screw ST4.2×12	2	
6	4044101-007033	ZT250－R right decorative cover of rear cover(bright orange	1	orange
	4044101-007064	ZT250－R right decorative cover of of rear cover (bright blue)	1	blue
	4044101-007021	ZT250－R rear right decorative cover (special black)	1	gray
	4044101-007036	ZT250－R rear right decorative cover (electroplated bright gray highlights)	1	special black
7	1210341-001000	ZT250－R Rear cover sticker	2	
8	4044100-001036	Rear right side cover(electroplated bright gray highlights)	1	【1】
	4044100-001021	ZT250－S rear cover right (special black)	1	special black
9	1251300-202094	Plywood M6×11×15(zinc-nickel)(5 pcs/after-sale)	2	
10	1174100-007000	ZT250－S Rear tail light	1	
11	4044100-003036	Rear left side cover(electroplated bright gray highlights)	1	【2】
	4044100-003021	ZT250－S rear left cover (special black)	1	special black

PROCEDURE:

●Rear cover component

Remove the four expansion nails (1), remove the three bolts (2) with the hexaongal tool, and pull the front end of the rear cover off the frame.

Locate and unplug the cable connector of the rear taillight, grasp the rear taillight (10) and push the left tail skirt assembly back and take it off. Similarly, remove the right tail skirt assembly and remove the rear taillight (10). Separate the PKE short antenna head from the right tail skirt. Tear off the double-sided tape after heating it with a heat gun, and clean up the remaining adhesive. The PKE antenna is a Velcro + double-sided adhesive glued on the right tail skirt.

Remove the bolt (5) of the left rear cover assembly, and force the left trim cover (3) and the left rear cover (11) apart, remove the round rubber (4) and the plywood (9).

Similarly remove the right trim cover (6) and the right rear cover (8).

● Sticker

The trim cover of rear cover already contains the rear cover stickers, if you need to replace it, you can buy another one on Zontes official website.

CAUTION:

●Be sure to fix the motorcycle during discomponent.

●Pay attention to the discomponent process to avoid damaging the material.

●【1】、【2】are used for orange /bright blue/dark blue vehicle.

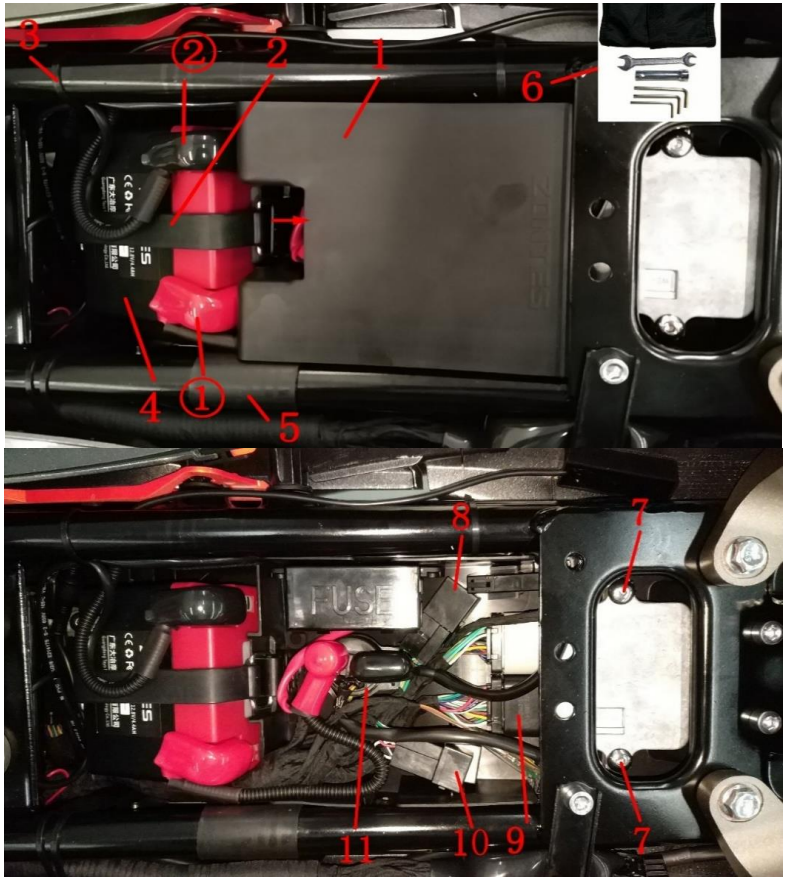


FIG.3 REAR COVER COMPONENT		Battery、Electrical device box cover、ECU	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224100-052000	ZT250－R Electrical device box cover	1	
2	1244100-072000	ZT250－R Battery straps	1	
3	1224101-004000	pcs/after-sale)	4	
4	1184100-116000	ZT250 lithium battery	1	
5	1240100-023000	Battery anode protection glue	1	
6	1274200-078000	ZT310－R bike tools	1	
7	1251100-102000	Non－standard bolt M6×16(304 stainless steel)	2	
8	1184200-024000	ZT310－R relay of side support	1	
9	1050953-026000	MT05.2 engine controller － ZT250－RC4 type	1	
10	1186001-018000	ZT250-S Four-pin Normally Open Relay(after-sale)	2	
11	1184300-002000	ZT350 Starting relay	1	

PROCEDURE：

●Electrical device box cover

Pull the metal buckle of the electrical device box cover (1) in the direction of the arrow, pull it down, remove it.

●Battery straps, vehicle tools

Remove the battery strap(2),then remove the vehicle tool(6).

●Battery anode protection glue

Find the slotted part of the protective glue (5), use a tool to spread the slot.

●Battery

Cut the tie (3). Remove the black protective cap ②Remove the negative pole; then remove the red protective cap ①Remove the positive pole; Remove the lithium battery (4). When reinstalling, connect the positive pole first, then the negative pole. Be sure to use a dedicated lithium battery charger for charging. In the event of a power failure, it is strictly forbidden to bridge or directly connect to the power supply.

●Relay

Pull out the starting relay (11) upwards, open the protective cap and loosen the nut to remove the relay; pull out the cables of the EFI relay (10) and the side bracket relay (8) and then pull out

●Engine controller (ECU)

Remove the bolt (7), pull out the ECU (9) and the cable together, and then unplug the ECU plug

● Fuse box

Pull out the fuse box and cables together, then pinch both ends of the fuse box by hand and open the cover to replace the fuse

CAUTION:

●Attention should be paid to the discomponent process to avoid damaging the material. Attention must be paid to the installation sequence when removing the battery.

●The battery voltage should be checked regularly. If it is lower than 12.8V, it is recommended to charge it in time; it must not be overcharged; it should be taken out of storage for a long time without being used, and it should be charged once a month.

●Reassemble the battery or fuse, etc. Remember to remember to reset the EFI hardware: Turn on the key-Ignition- 10 seconds After the ignition is turned off - After 10 seconds Turn on the ignition switch and repeat 2 times.

●If the battery has reached the end of its useful life, it should be handed over to a qualified organization or a dedicated recycling center for proper disposal. Discard it at will.

●EFI relay model: KH-1A4T. Side bracket relay model: G8HN-1C4T-RJ.

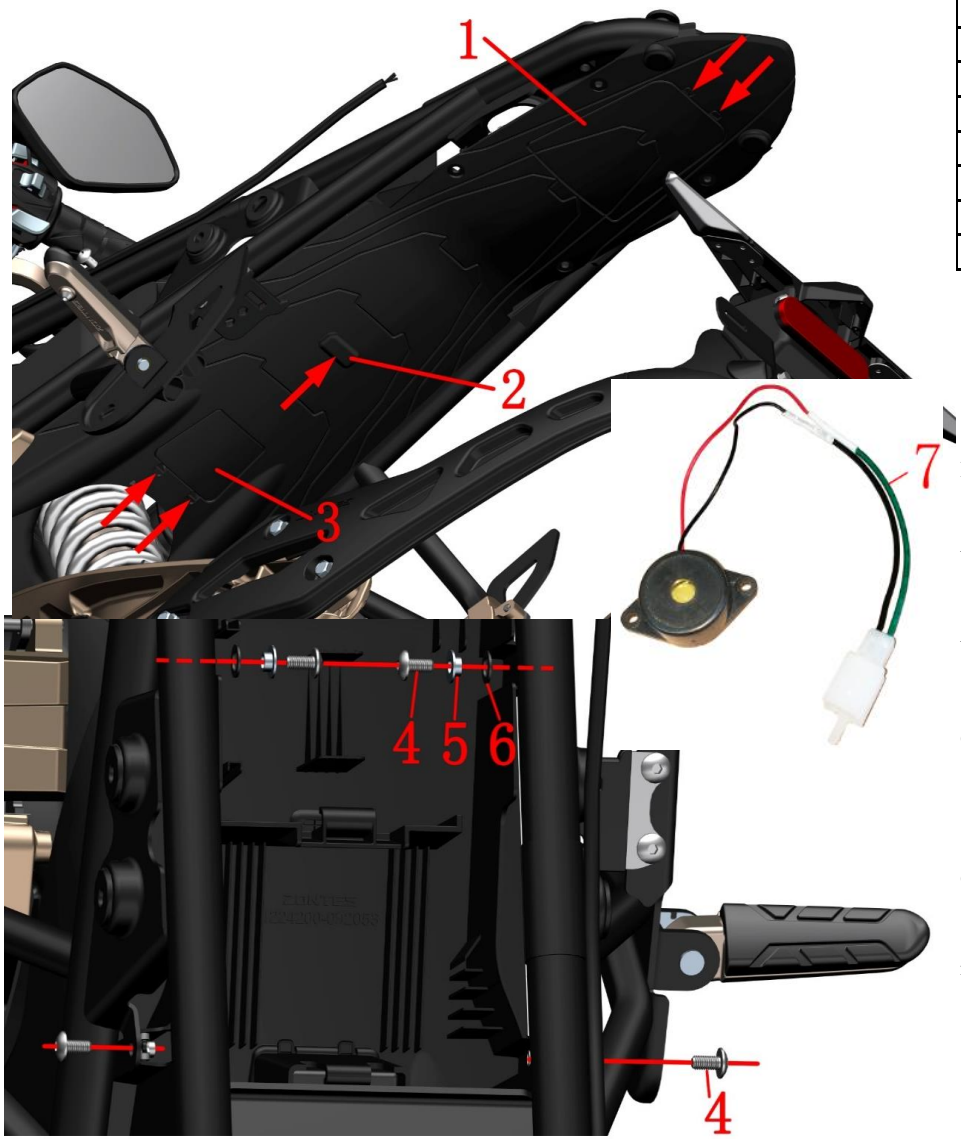


FIG.4 REAR COVER COMPONENT		Electrical device box cover component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224100-054000	ZT250－R electric component box lower cover	1	
2	1244100-078000	ZT250－R Electrical device box rear rubber	1	
3	1224200-040000	ZT310 Electric parts box lower cover	1	
4	1251100-101000	Non－standard bolt M6×12 (304 stainless steel)	4	
5	1274100-155095	pcs/after-sale)	2	
6	1241200-124021	pcs/after-sale)	2	
7	1186800-177000	ZT703-F PKE Buzzer (4KHZ)(after-sale)	1	

PROCEDURE：

●Electrical component box assembly

Push the buckle in the direction of the arrow to remove the lower cover of the ZT250-R electrical component box (1) and the lower cover of the ZT310 electrical component box (3).

Pull down in the direction of the arrow to remove the back glue of the electrical device box (2).

Remove the bolts (4) on the left and right sides of the middle of the electrical device box, and remove the bushing (5) and the rubber pad (6).

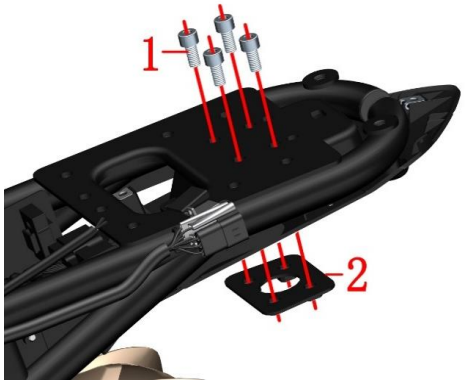
Remove the bolts on the left and right sides of the front of the electrical component box.

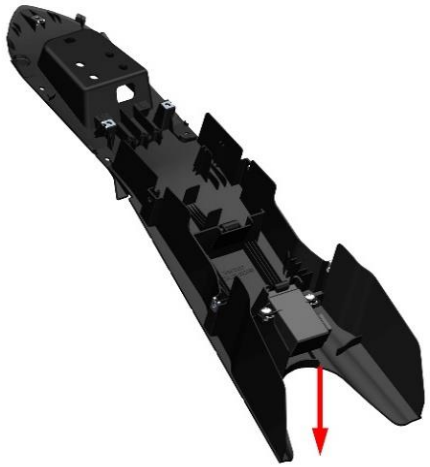
Find and unplug the buzzer plug, heat it back and forth with a heat gun, and then remove the PKE buzzer (7). Clean up residual offset printing.

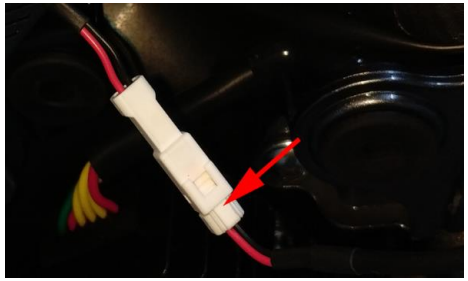
CAUTION:

●Attention to prevent damage to the buckle when removing the cover of the electrical device box.

●If you need to replace the PKE fuse, you can directly replace the lower cover (3)of the electrical device box to replace it.









ZT310 PKE Controller（single antenna）



ZT310 PKE Controller
(bracelet edition)

FIG.5 REAR COVER COMPONENT		Electrical device box component 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250205-040095	GB70.1 inner hex bolt M8×16(color Zinc)	4	
2	1274100-101021	ZT250－R electric component box mounting board	1	
3	1184200-248000	ZT310PKE external single antenna(after-sale)	1	

PROCEDURE:

●Electrical device box component

Locate the PKE external antenna (3) cable connector on the left side of the vehicle ③

Grasp the electrical component box mounting plate (2) with one hand, and remove the bolt (1) with the other hand

Hold the rear part of the electrical component box assembly with one hand, grasp the front part and pull down with the other hand. Unplug the cable connectors ① and ② of PKE, and remove the electrical device box assembly.

CAUTION:

●Do not pull the cable directly when unplugging it.

●If you need to replace the PKE fuse, you can directly replace the lower cover of the electrical device box to replace it.

●For the disassembly and assembly of the PKE long antenna, refer to the previous "fuel tank left and right cover components" and the short antenna refer to the "tail skirt and tail light components".

●When reassembling the connector ②, first check whether the metal contact piece inside is bent, and straighten it if necessary. Make sure that all cable connectors are installed in place, otherwise it may cause poor contact and cause malfunctions.



FIG.6 REAR COVER COMPONENT		Electrical device box component 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224200-092053	ZT250－R Electrical Device Box (PKE)	1	
2	1244100-079000	ZT250－R left electric device box rubber	1	
3	1251100-102000	Non－standard bolt M6×16(304 stainless steel)	2	
4	1184200-054000	ZT310 PKE controller (single antenna)	1	Stop selling
	1184200-137000	ZT310 PKE new version (band version)		bracelet edition
5	1251300-202094	Plywood M6×11×15(zinc-nickel)(5 pcs/after-sale)	7	
6	1244100-080000	ZT250－R Electrical device box right rubber	1	
7	1184100-080000	ZT250－S fuze wire (15A)	1	For after-sale
8	1184200-043000	ZT310 PKE key decorative part	1	
9	1184200-244000	ZT310 univsersal fuse (15A small)(5 pcs/after-sale)	2	bracelet edition after-sale
10	1244200-204000	ZT310 induction key rubber ring(after-sale)	1	

PROCEDURE:

●PKE controller

Remove the bolt(3)and remove the PKE controller(4)。

●Electrical device box component

Remove 7 pieces of plywood nuts(5) from the electrical component box(1).

Remove the battery pad left glue(2) and right glue(6).

●Fuses

Unplug the fuse(4)and check if it is blown. If it has blown, replace the fuse of the same specification.The dual antenna and the single antenna PKE controller used medium 15A fuses.

The bracelet edition PKE controller used 2pcs small fuses.

CAUTION:

●When inserting or removing the fuse, pay attention to the vertical alignment and then disassemble it. Do not bend it. Use a qualified fuse.

●PKE cables need to be protected. Non-professionals are strictly prohibited from dismantling the PKE system components, as this may cause permanent damage.

●Please refer to the driving manual for details on the use of PKE.

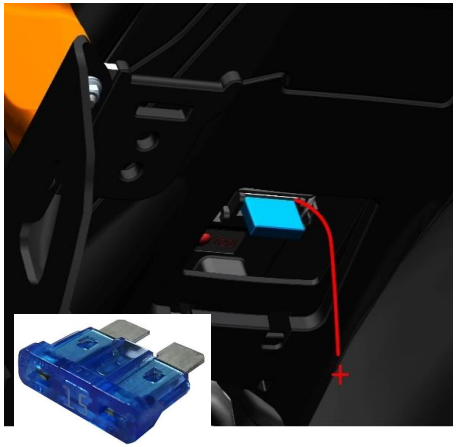
●ZT310 PKE key shell（containing key glue+key ring）just for after-sale to change the shell,no internal electrical appliances.

●The single antenna PKE controller has been stop selling, it can be replaced by bracelet edition.

FIG.7 REAR COVER COMPONENT	External battery start PKE system	CHK ADJ	



ZT310 PKE Controller
（bracelet edition)



ZT310 PKE Controller（single antenna ）

ZT310 PKE Controller



PROCEDURE:

●Emergency handling method after the battery is destroyed or the battery is exhausted for too long:

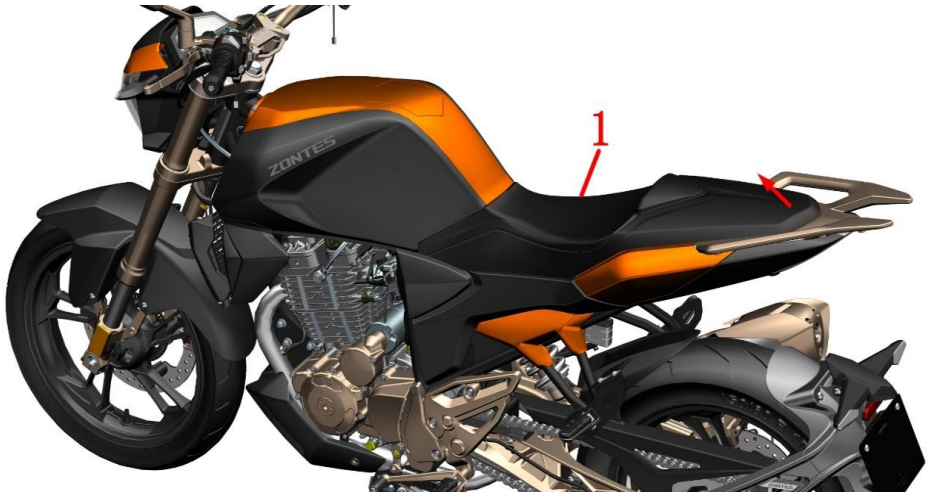
Find a 15A fuse and wind a wire around any one of the fuses as shown in the left side.

Remove the lower cover of the electrical device box; insert the previously made wire into the right side of the PKE fuse slot.

Find a battery with sufficient power and connect the previously made wire to the positive side of the battery.

Find one end of the wire attached to the frame (the bolt is directly connected to the frame) and the other end to the negative pole of the battery.

After connecting the wires, check that the wires are fixed and short press the unlock button " " to turn on the PKE system.Disable pressing the ignition button at this time.



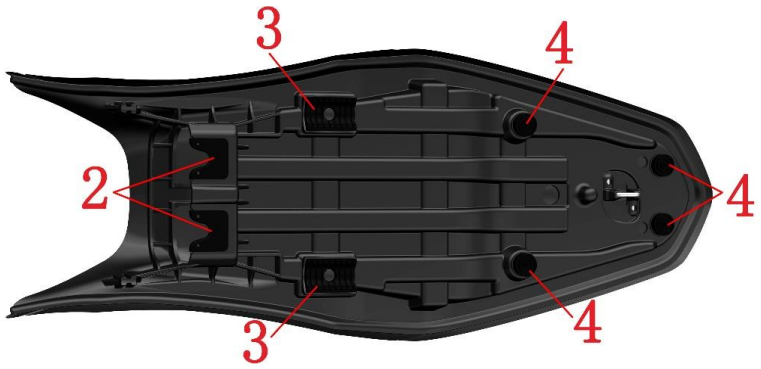


FIG.1 CUSHION COMPONENT		Cushion component	CHK / ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1204100-006000	ZT250-R Cushion	1	one set
2	1244100-024000	ZT250-R Cushion front rubber	2	for after-sale
3	1244100-022000	ZT250-R Cushion rubber	2	
4	1244100-025000	ZT250-R Cushion circle rubber	4	

PROCEDURE:

●Seperate cushion

Insert the key in the "OFF" position ,counterclockwise until the sound indicates that the cushion lock is open. Tap the back of the cushion if there is no sound.

Hold the rear cushion in the direction of the arrowhead, while remove the cushion from left and right swing cushion.

● Install cushion

When assembling the cushion, first check whether all the cushion glue is complete, insert the front of the cushion first, and then make a hard clap at the end of the cushion,,when heard "kaca",the cushion lock is in place.

●Cushion rubber,lock plate component for individual sales

If the cushion glue is worn or the cushion lock damaged too much, you can buy the genuine article on the website.

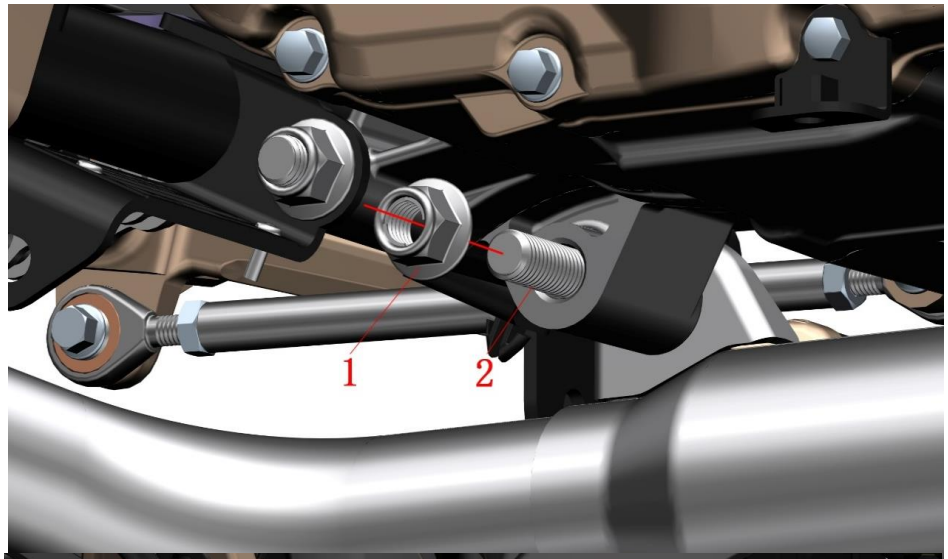
The corresponding installation location is shown in the lower left image.

CAUTION:

●The motorcycle should be fixed and then operated.

●The cushion contains all the cushion glue and lock pieces and bolts.

●It is easy to be surprised when the cushion is not in place.



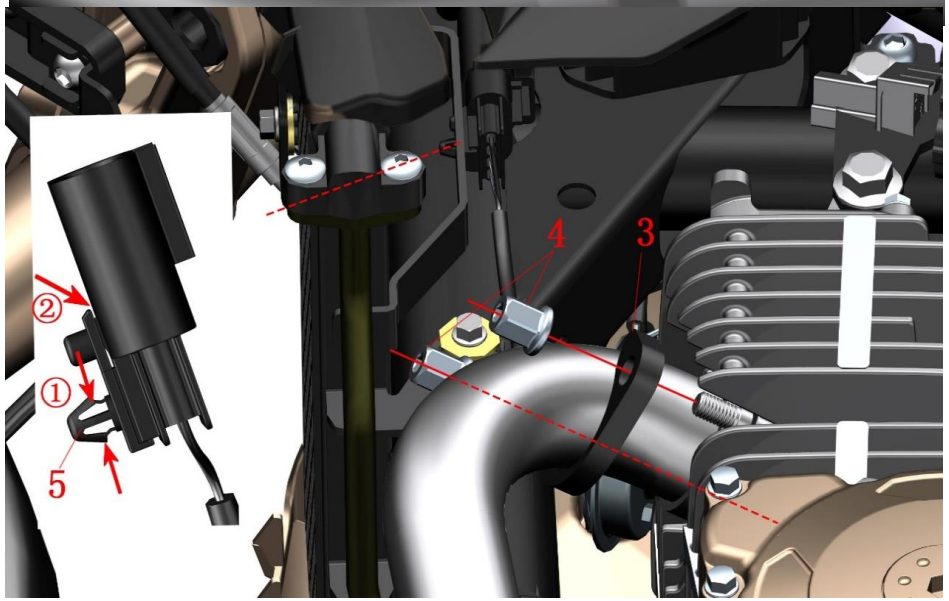


FIG.1 MUFFLER COMPONENT		Remove muffler 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251300-057093	Non-standard bolt M10×1.5	1	
2	1251100-084093	Non-standard bolt M10×1.5×66	1	
3	1020263-099000	ZT250-S muffler flange (outsourcing)(after-sale)	1	
4	1251300-058093	Hexagon nut M8（color zinc）	2	
5	1224100-013000	ZT250－S Oxygen sensor fixing buckle	1	

PROCEDURE：

●Muffler parts

Fix the motorcycle,use the sleeve to fix the head of the bolt (2) while using the sleeve to remove the nut (1). Please don't remove the bolt (2).

●Oxygen sensor fixing buckle

Use pliers to clamp the rear radiator bracket slightly and pull out the cable clip (5) in the direction shown in ①. Separate the oxygen sensor connector from the main harness. Then use the small straight screwdriver to insert the direction as the arrow ② and remove the cable clip (5) from the oxygen sensor cable connector.

●Flange of muffler

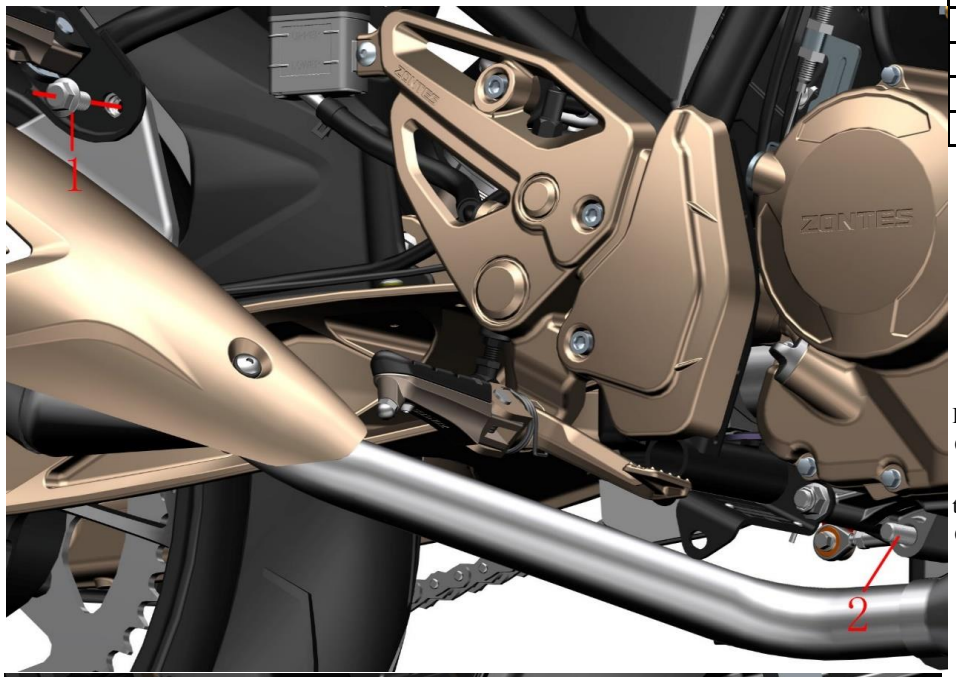
Remove the nut (4) with the inner hexagon tool and then remove the flange (3).

CAUTION:

●In the process of disassembly, the motorcycle should be properly supported to prevent accident caused by incline.

●Make sure the muffler and engine are completely cooled before removing the muffler.

●In the process of disassembly, it should be careful to avoid damaging the material.



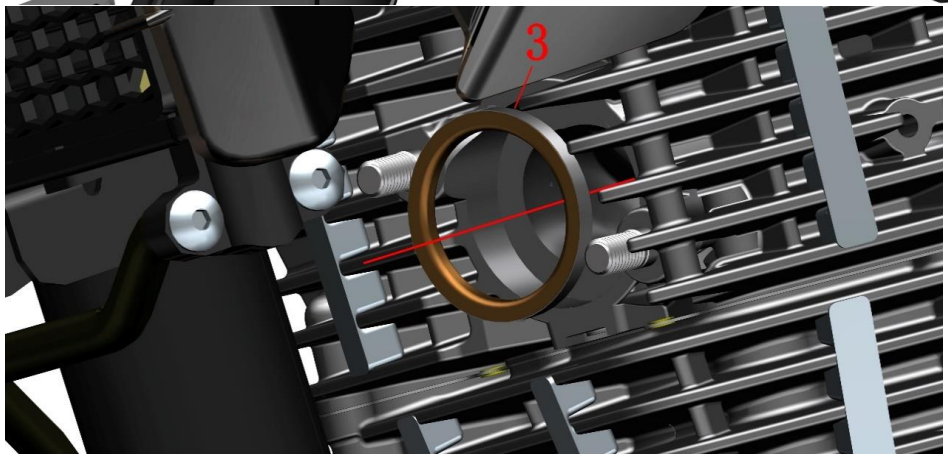


FIG.2 MUFFLER COMPONENT		Remove muffler 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-082093	Non-standard bolt M10×1.5×20	1	
2	1251100-084093	Non-standard bolt M10×1.5×66	1	
3	1070100-133000	ZT250－S Engine exhaust port gasket	1	

PROCEDURE：

●Muffler component

Fix the motorcycle, use the sleeve to remove the bolt (1) by holding the muffler tail part with hands, then remove the bolt (2) from the engine while holding the muffler COMPONENT. Remove the muffler from the motorcycle.

●Gasket

Remove the gasket (3) from the exhaust port of the engine.

CAUTION:

●In the process of disassembly, the motorcycle should be properly supported to prevent accident caused by incline.

●Make sure the muffler and engine are completely cooled before removing the muffler.

●In the process of disassembly, it should be careful to avoid damaging the material, It is recommended to replace the new gasket to prevent air leakage every time the muffler COMPONENT is removed.

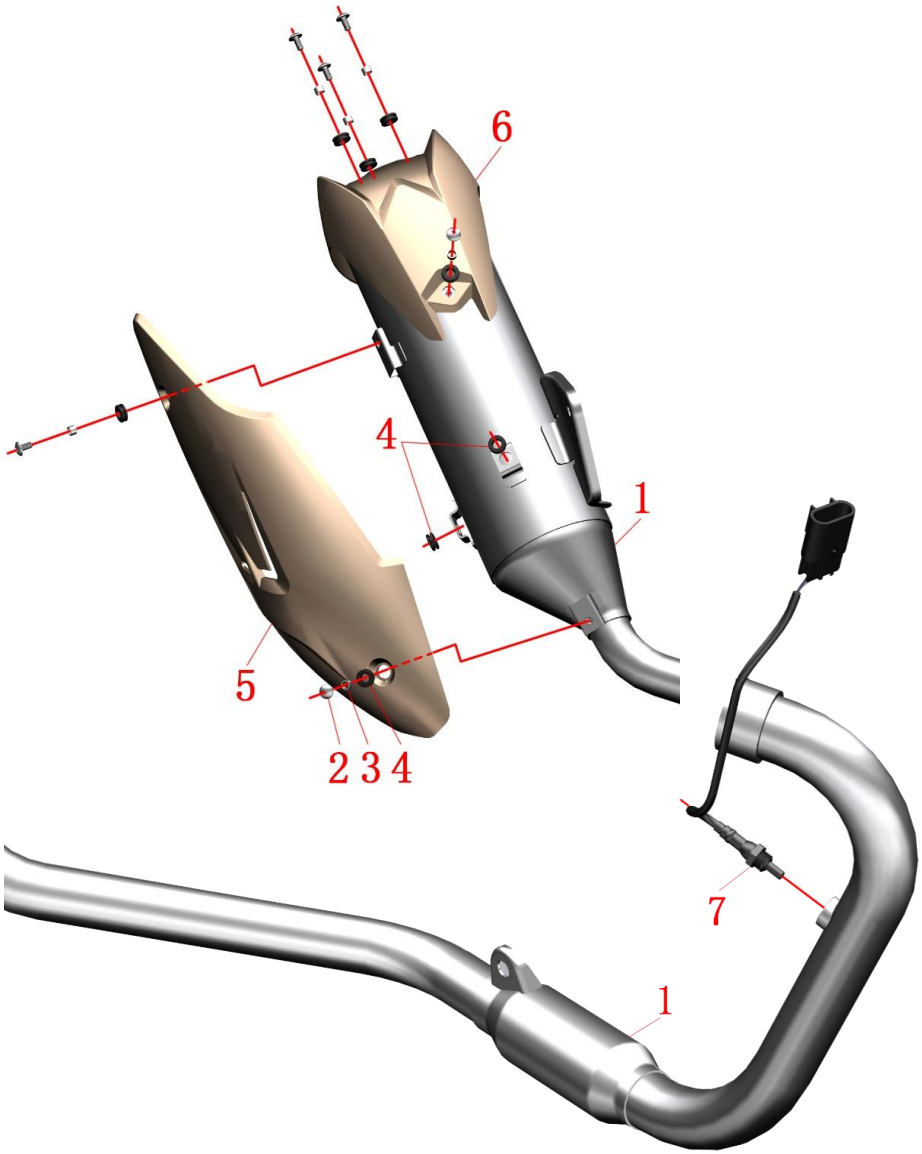


FIG.3 MUFFLER COMPONENT		Muffler component	CHK / ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1124100-018000	ZT250－R muffler (homemade / national IV)	1	Inland
	1124100-015000	ZT250－R Muffler(Europe IV)		Export
2	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	6	
3	1274101-025000	ZT250-S muffler anti-hot plate sleeve(5 pcs/after-sale)	6	
4	1246400-317000	ZT368T-G muffler hot plate rubber buffer(5 pcs/after-s	8	
5	1224100-028000	ZT250－S Muffler anti-hot plate	1	
6	1224100-029000	ZT250－S Muffler tail cover	1	
7	1050953-008000	OSM planar oxygen sensor	1	

PROCEDURE：

●Oxygen sensor

Remove the oxygen sensor (7) with the open spanner.

●Anti-hot plate、Tail cover

Use the inner hexagonal tool to remove bolt (2), then remove the anti-hot plate (5) and tail cover (6), after that, remove the bushing (3) and rubber buffer (4).

CAUTION:

●Make sure the muffler is completely cooled before operation.

●In the process of disassembly, it should be careful to avoid damaging the material.

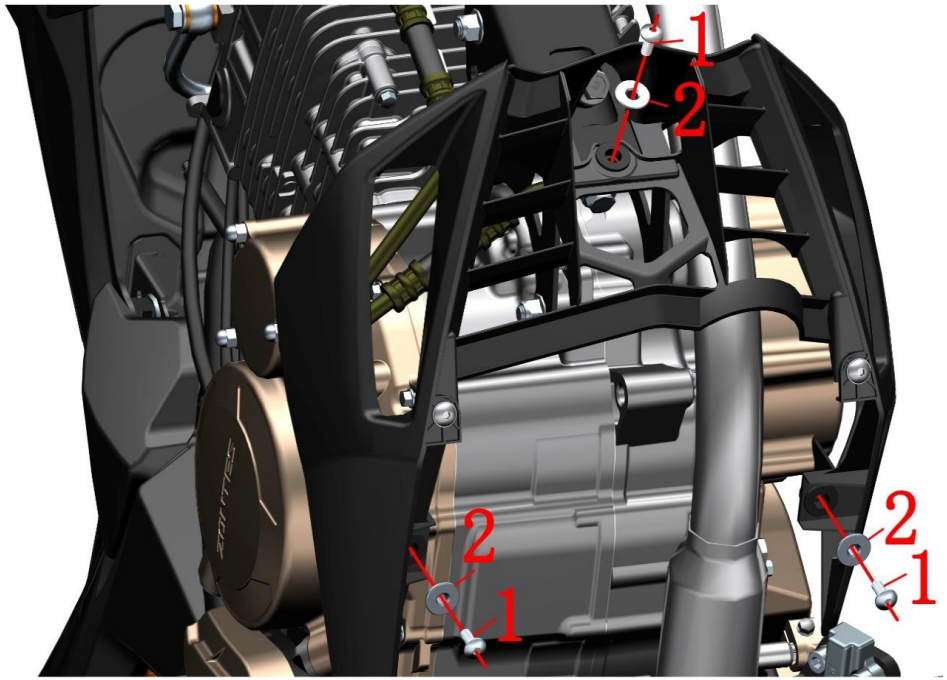


FIG.1 LOWER WIND DEFLECTOR COMPONE		Lower air guide sleeve component-1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non-standard bolt M6×16 (304 stainless steel)	3	
2	1274101-015000	Z1250-S flanging sleeve(φ6.4×φ9×6+φ20×2)(5 pcs/after-sale)	3	

PROCEDURE:

●Lower air guide sleeve component

Lift the motorcycle with tools and remove the bolt (1) and flanged bushing (2) with an inner hexagonal tool.

CAUTION:

●In the process of disassembly, the motorcycle should be properly supported to prevent accident caused by incline.

●In the process of disassembly, the lower fairing should be held to prevent fracture caused by unevenly stressed.

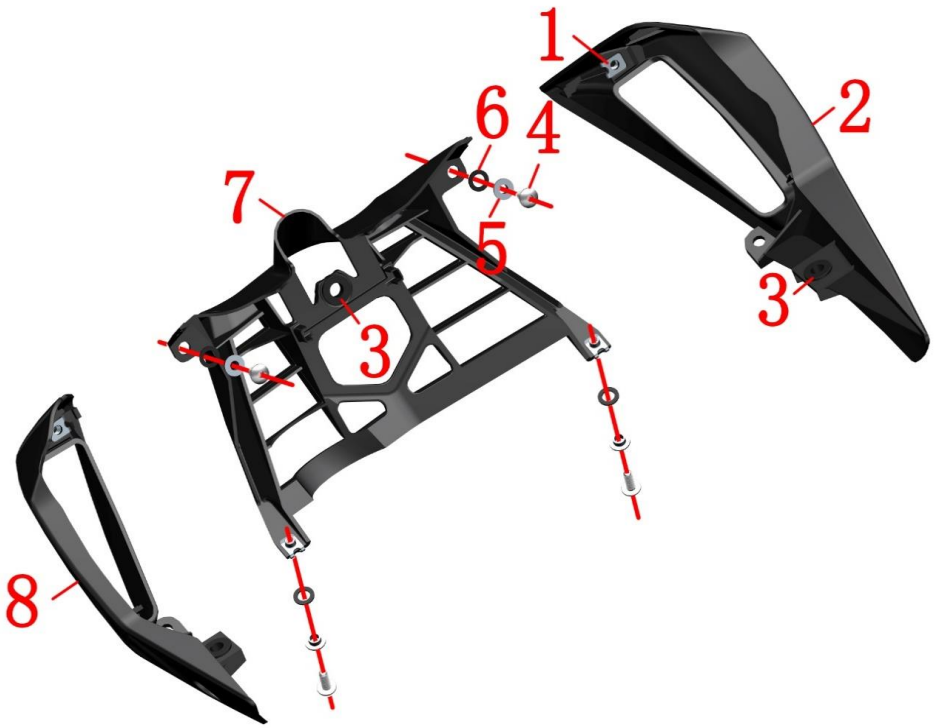


FIG.2 LOWER WIND DEFLECTOR COMPONE		Lower air guide sleeve component-2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251300-202094	Plywood M6×11×15(zinc-nickel)(5 pcs/after-sale)	4	
2	4044100-008036	ZT250－S lower right guide guide cover (electroplated bright gray highlight)	1	
	4044100-008021	ZT250－S lower guide cover right (special black)		special black
3	1244100-137000	ZT250-S Flanging bushing buffer(5 pcs/after-sale)	3	
4	1251100-102000	Non-standard bolt M6×16 (304 stainless steel)	7	
5	1274100-155095	Flanged bushing φ6.2×φ8.4×3.5＋φ14×1.5(5 pcs/after-	4	
6	1241200-124021	flanging bushing buffer rubber (φ8.5×φ14×1)(5 pcs/aft	4	
7	1224100-050000	ZT250－R Middle part of lower fairing	1	
8	4044100-009036	ZT250－S lower guide cover left (electroplated bright gray highlight)	1	
	4044100-009021	ZT250－S lower guide cover left (special black)		special black

PROCEDURE:

●Lower fairing assembly

Remove the bolt (4) with an inner hexagonal tool and remove the flanged bushing (5) and flanged bushing buffer (6).

Separate lower fairing assembly into three parts.

●Left part of lower fairing

Remove the plywood nut (1) and the flanged bushing buffer (3) from the left part of fairing (8).

●Right part of fairing

Remove the plywood nut (1) and the flanged bushing buffer (3) from the right part of fairing (2).

●Middle part of fairing

Remove the plywood nut (1) and the flanged bushing buffer (3) from the middle part of fairing (7).

CAUTION:

●In the process of disassembly, the fairing should be protected to prevent fracture caused by unevenly stressed or surface scratch.