ZT310-V1 (EURO V)

Service manual

2021/06/08

Contents

Table of Contents Page

Contents

Contents

Contents

Table of Contents Page

Contents

Contents

Contents

Table of Contents Page

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 continuousimprovement of the product and other changesFor colors or upgrades, please refer to the part codes on the official website. This manual will not be listed in detail; If the part names in this manual are inconsistent with the official website, the official website shall prevail. This manual is compiled on the basis of the chinese version of ZT310-V1 version. The export version is different from the chinese version with only a few parts, such as decals, ECU version, muffler catalyst, etc. Although the status of such parts are different, the disassembly method is same, so refer to the chinese manual.

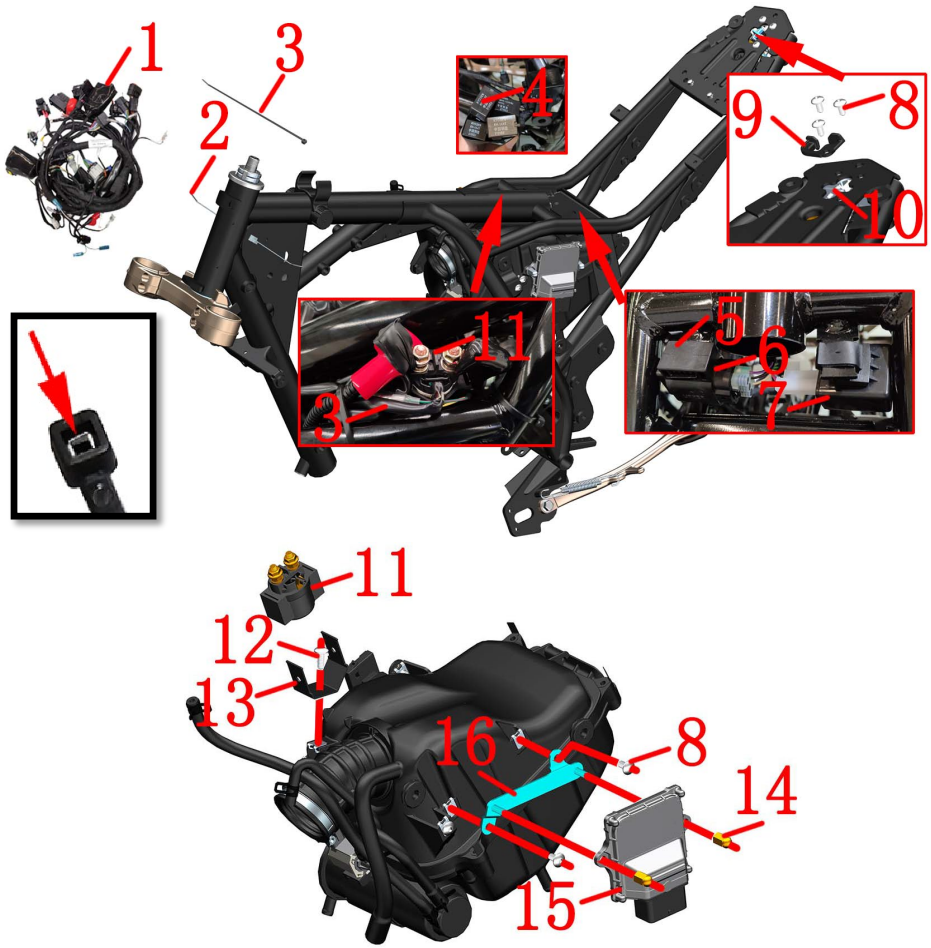


Fig.1 FRAME&ELECTRONIC PARTS COMPONENT		Electronic parts COMPONENT-1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1184200-169000	ZT310-V wiring harness assembly (Bosch)	1	
2	1224100-030000	Plug cable tie (black 4.8×130)	2	
3	1224100-037000	0 level antiflaming binding（black 3.6×295）	9	
4	1184100-017000	ZT250－S Electronic fuel injection relay	5	KH-1A4T
5	1244100-082000	ZT250－R Dump switch rabber	1	
6	1184100-002000	ZT250－S Dump switch	1	
7	1184200-039000	ZT310－R Flasher	1	
8	1251100-101000	Non-standard bolt M6×12（304 stainless steel）	5	
9	1224200-205000	ZT310 electronic cushion lock guide block	1	
10	1274100-058000	ZT310 seat lock	1	
11	1184100-010000	ZT250－S starting relay	1	
12	1251100-102000	Non-standard bolt M6×16（304 stainless steel）	1	
13	1274200-171000	ZT310-V relay bracket	1	
14	1251300-085093	Non-standard cap nut M6 (environmental color)	2	
15		MSE6.0 Controller-ZT180MN	1	【1】
16	1274200-268000	ZT310－VX Bosch ECU bracket	1	

CAUTION：

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

●【1】If the part code is empty, it indicates that the part has multiple states or colors. For specific states, please find the corresponding state or color in the official website parts. Only the disassembly and assembly steps are explained here, and the color and status do not affect the disassembly and assembly process. This description will not be added if there is such a situation later in this manual.

PROCEDURE:

●Flasher and dump switch

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

●Relay and ECU

Locate the main harness rubber sleeve on the right side of the frame, pull out the EFI relay (4). Locate the starter relay (11) above the air filter to remove the sheath of the harness and remove the self-contained nut to remove the relay from the relay bracket (13) . Using 4# inner hexagon socket disassemble the bracket (13) after removing the bolt (12)。 Pull out the plug of the engine controller (15) on the left side and use a 10# sleeve to remove the nut (14). Remove the 2 bolts (8) with 4# hexagon socket and then take off the ECU bracket (16).

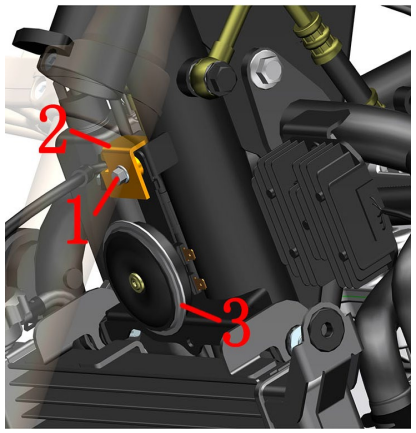
●Seat lock

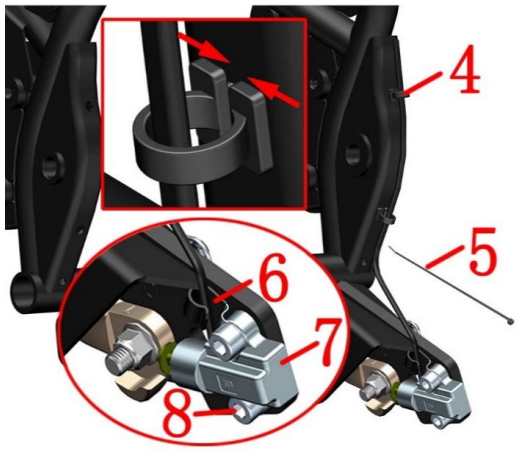
Take off the plug of the seat lock , and cut off binding (3) . Use a 4# inner hexagon to remove the front bolt (8), and remove the guide block (9); remove the 2 rear bolts and remove the electronic cushion lock (10).

●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 (3) can be picked out by using scissors.

The plug strap (2) is a non-detachable structure and it is not recommended to cut it directly. It is difficult to remove the broken portion of the buckle that is forcibly removed from the frame triangular reinforcing plate.





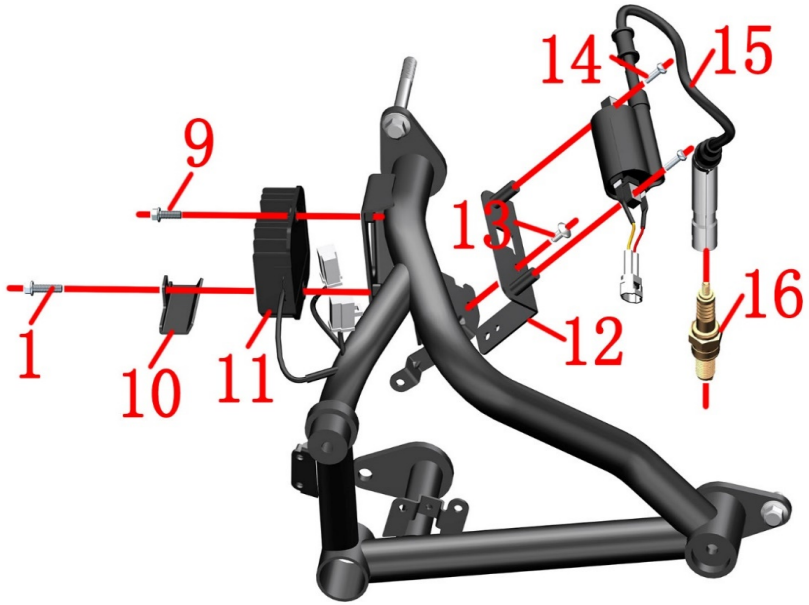


Fig.2 FRAME&ELECTRONIC PARTS COMPONENT		Electronic parts COMPONENT-2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-061093	M6×22 Screw bolt	2	
2	1274200-033000	ZT310－R No.2 holder of front disc oil pipe	1	
3	1184200-004000	ZT310 Horn	1	
4	1274100-017000	ZT250－S Cable clip	2	
5	1224100-037000	0 level antiflaming binding（black 3.6×295）	2	
6	1274100-095000	ZT250－S Holder of flameout switch cable	1	
7	1184100-012000	ZT250－S Flameout switch	1	
8	1250205-040095	GB70.1M8×16 Screw	2	
9	1251112-001093	M6×16 Hexagon flange bolts (color zinc)	1	
10	1274200-183000	ZT310-V outlet pipe bracket	1	
11	1184200-174000	ZT310 rectifier (five wire)	1	
12	1274200-141000	ZT310-V high voltage package bracket	1	
13	1251100-101000	Non-standard bolt M6×12（304 stainless steel）	1	
14	1184200-177000	ZT310 EFI ignition coil	1	
15	1250201-032093	GB818M5×16 bolt	2	
16	1050954-017000	LDK8RTIP－0.8 sparking plug	1	

PROCEDURE:

●Horn

Take off the plug of horn take the horn (3) by one hand, using 8# plum wrench rotate the screw (1) by another hand remove the holder (2) then take off the horn.

●Flameout switch

Find and take off the plug of the flameout swich (6) press and take off the cable clip (4) cut ribbon (5) .Using the 6# inner hexagon tool, remove the bolts (8)、the holder (6) and the flameout switch (7) .

●Rectifier

Find and remove the rectifier plug, Using 8# sleeve remove the bolt (1), remove the outlet pipe bracket(10)；Using 8#sleeve remove the bolt (9) and remove the rectifier (11).

●Ignition coil

Pull out the metal shield cap of the ignition coil (15) from the spark plug (16) on the engine, Then remove the bolt (14) with a Phillips screwdriver to remove the coil (15).Using 4# inner hexagon socket remove the bolt (13) and remove the high pressure package bracket (12).

CAUTION：

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

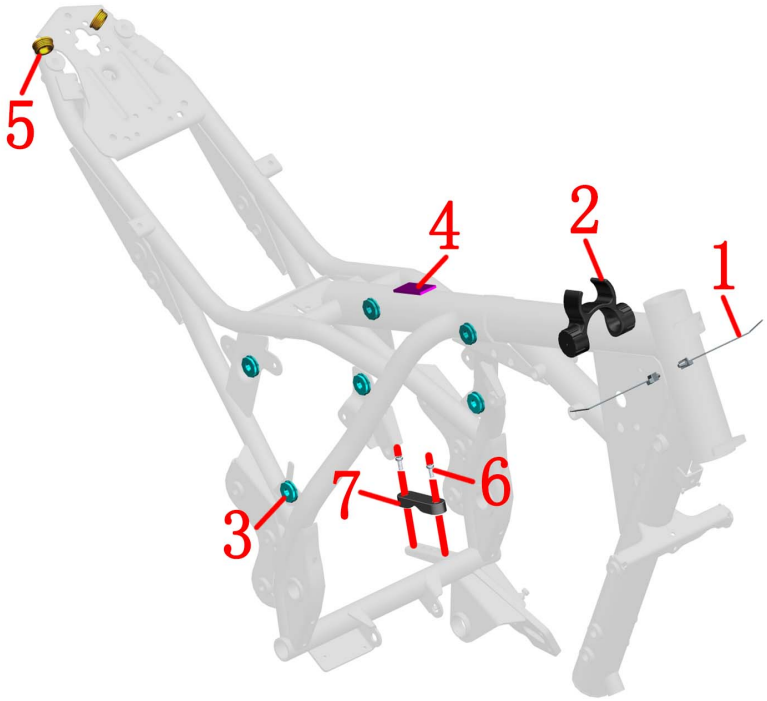


Fig.3 FRAME&ELECTRONIC PARTS COMPONENT		Frame plastic parts	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224100-030000	Plug strap (black 4.8×130)	2	
2	1244100-019000	ZT250－S Inner fuel tank fix glue cushion	1	
3	1244100-002000	ZT250－S side cover cushion	6	
4	1240300-007000	HJ125－6 battery cushion	1	
5	1244100-061000	ZT250 Frame water proof rubber plug	2	
6	1250201-030093	GB818M5×12 (color zinc)	2	
7	1240300-060000	KD150－E Wear block	1	

PROCEDURE:

●Inner fuel tank ficx glue cushion

Use both hands to hold the two ends cylinder parts of the inner fuel tank limited glue cushion (2) and should push it out.

● Side cover cushion

Remove the side cover cushion (3) with your hand directly.

●Battery cushion

Put off the battery cushion (4)directly by hand.

●Frame waterproof rubber plug

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

●Wear block

Use a Phillips screwdriver to remove the 2 bolts (6) and then remove the wear block (7).

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.

●The plug strap (1) is a non-detachable structure and it is not recommended to cut it directly. It is difficult to remove the broken portion of the buckle that is forcibly removed from the frame triangular reinforcing plate.

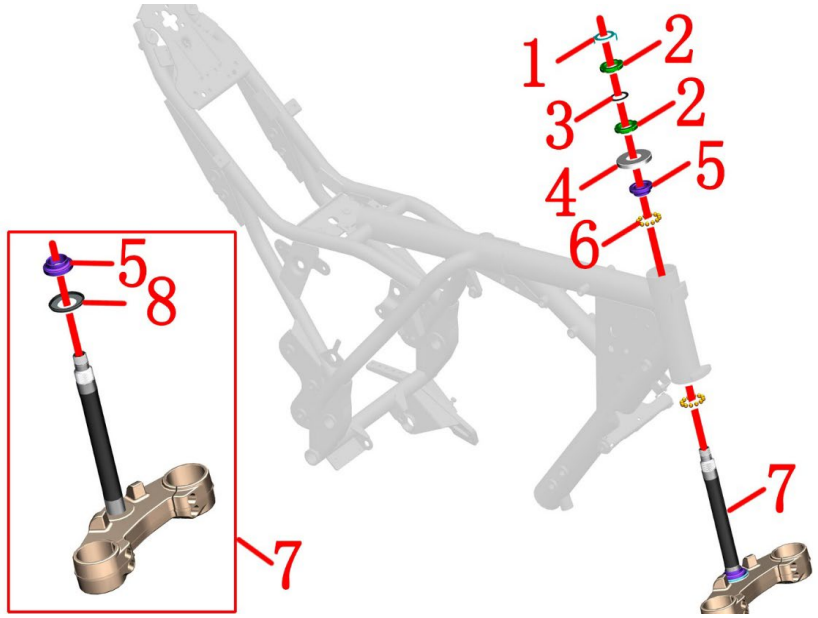


Fig.4 FRAME&ELECTRONIC PARTS COMPONENT		Steering rack component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1134100-007000	ZT250－S Rating nut lock washer	1	
2	1251300-046093	ZT250－S Steering column rating nut (color zinc)	2	
3	1244100-015000	ZT250－S Rating nut glue cushion	1	
4	1224100-005000	ZT250－S Steering column upper dustproof cover	1	
5	1130900-024000	ZT250－S Blowout patch	2	
6	1130900-022000	ZT250－S One-piece steel ball	2	
7	1134100-015000	ZT250－S Down connected plate (selfmade/with blowout patch) component	1	
8	1224100-006000	ZT250－S Steering column down dustproof cover	1	【1】

PROCEDURE:

●Dissembly

Remove the lock washer (1).

Remove the top adjusting nut (2) by using a special four-jaw or 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 down connected plate component (7).

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 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 larg.

CAUTION：

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

●Please pay attentin to fix the awaiting repair motorcycles 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.

●【1】the down connected plate (selfmade/with blowout patch) component (7), has been contains the Steering column down dustproof cover (8).

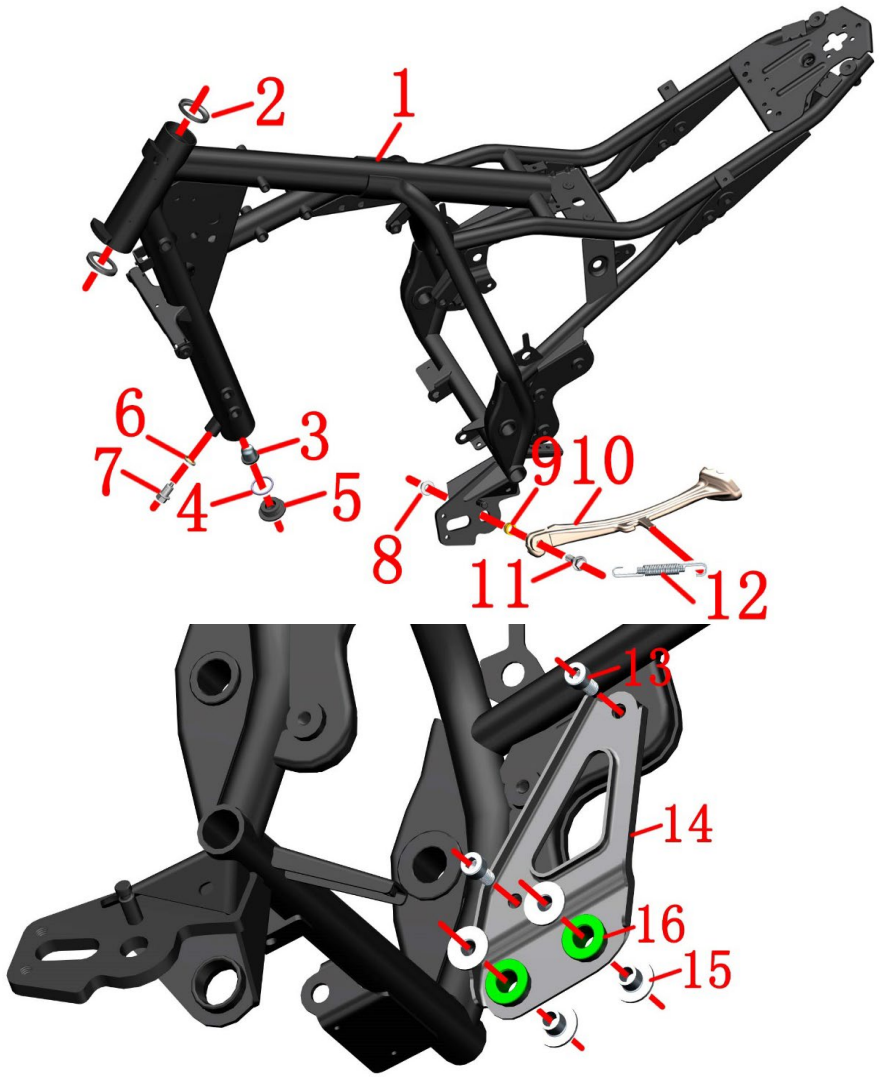


Fig.5 FRAME&ELECTRONIC PARTS COMPONENT		Frame, Side support, the operation of releasing engine oil	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1		ZT310-V1 frame assembly	1	
2	1130900-026000	ZT250－S Fix loop	2	after-sale
3	1274100-006000	ZT250－S Frame engine oil filter screen	1	
4	1051453-003000	27.4×2.65 Acrylate O gule cushion loop	1	
5	1274100-024000	ZT250－S Oil cooling joint	1	50±4N.m
6	1244100-033000	Sealing gasketφ12×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	45±5N.m
9	1251700-025091	ZT250－S Side support bush	1	
10		Side bracket	1	
11	1251100-088094	Non-standard bol M10×1.5×43（dacromet）	1	
12	1264100-001000	ZT250－S Side support spring	1	
13	1250205-040095	GB70.1 inner hex bolt M8×16(color Zinc)	2	
14	1274200-264000	ZT310－VX muffler suspension connecting plate	1	
15	1274100-068095	ZT310 Muffler flanging bushing	4	
16	1241200-045000	KD150－U muffler suspension cushioning rubber	2	

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.

PROCEDURE:

●Checking the cushion loop

Checking whether the cushion loop (2) is frayed, If there is one, it needs to be replaceds. 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 21# sleeve 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

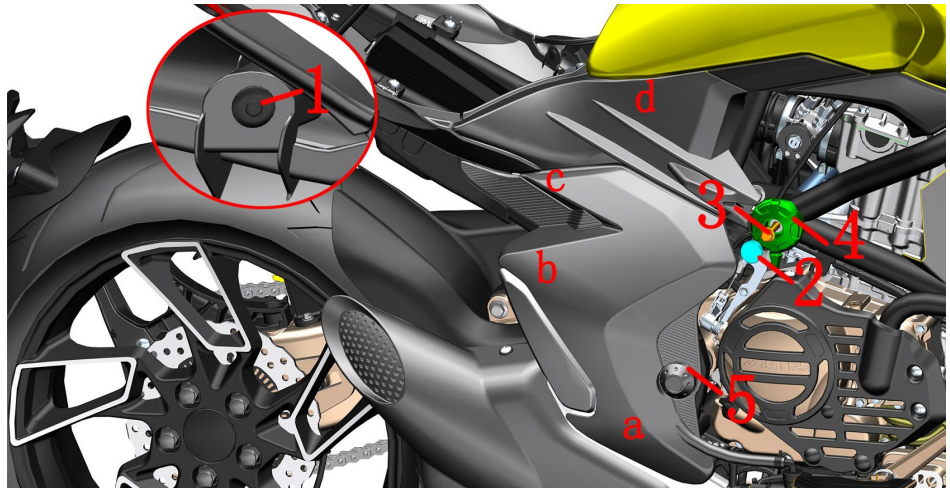
Put the oil pan at the bottom, use the 14#sleeve to remove the oil bolts (7) and the sealing gasket (6), and remove the oil from the frame tube. Refer to the instructions for detailed steps to replace the oil. It is recommended that the engine oil should be replaced with oil bolts (7) and sealing gasket(6) to prevent oil leakage.

●Sider support

Use the cross screwdriver to remove the side support spring, and guard against the personal injury caused by spring contraction, remove the nuts (8) and bolts (11) with the 14#sleeve. Remove the side support (10) and bush (9), paint the lubricating grease on the bush(9) when re-assembling ,then put it into the frame (1).

●Muffler suspension connecting plate

Remove 2 bolts (13) with 6# inner hexagon, and remove the connecting plate assembly. Remove 4 pieces of bushing (15) and 2 pieces of cushion rubber (16) from connecting plate (14).



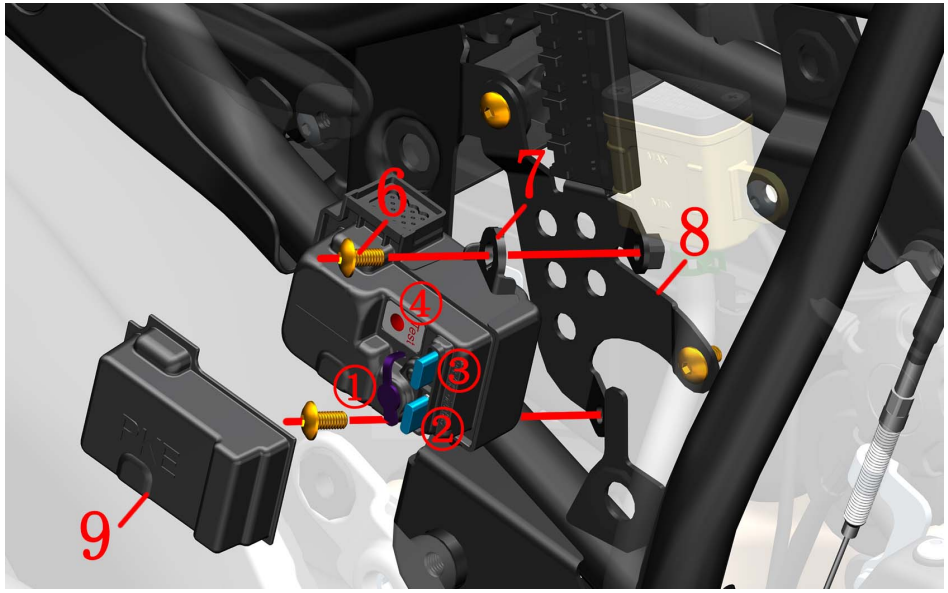


Fig.6 FRAME&ELECTRONIC PARTS COMPONENT		PKE component（Bosch/colloid battery）	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224100-010000	ZT250－S swell nail	1	
2	1244100-061000	ZT250 anti－water rubber of frame	1	
3	1250105-018091	GB5789 M8×70(white zinc)	1	
4	4044201-256051	ZT310－V fender ball (dark grey matte)	1	
5		Right side cover	1	
6	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	4	
7	1184200-137000	ZT310 PKE Controller（bracelet edition)	1	
8	1274200-271000	ZT310－V1 PKE holder	1	
9	1244200-132000	ZT310PKE rubber sleeve	1	

PROCEDURE:

●Side cover

Remove the seat cushion first, and then remove the expansion nails (1) at the connection between the right side cover (5) and the rear cover. Remove the waterproof rubber plug (2), use a T12 sleeve to loosen the bolt (3) by 10-15 threads, without completely removing it. Pull out the decorative ball (4) and rotate it clockwise to stagger the groove on the right side cover. Pull out the right side cover in the order of a-b-c-d. When assembling, the staples should be installed in sequence from d-c-b-a; the expansion nails should be installed last.

●PKE Controller

Unplug the PKE plug,use a 4# allen wrench to remove the two bolts (6) to remove the PKE assembly (7) and ZT310PKE rubber sleeve(9);

●PKE bracket

Use a 4# allen wrench to remove two bolts (3) to remove the PKE bracket (8);

●Fuse

The band version of the PKE assembly uses 2 small 15A fuses.

●Charging

①the charging DC interface; ② the charging fuse; ③the PKE fuse, which must be unplugged when charging the battery through the DC interface with the charger; ④ the TEST button, which functions as the unlock button on the secondary switch.

CAUTION：

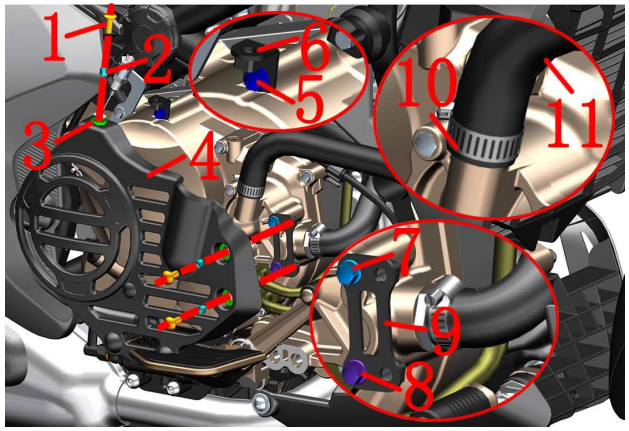
●When inserting and pulling out the fuse, please pay attention to the vertical alignment before disassembly, and it is strictly prohibited to bend. A qualified fuse should be used.

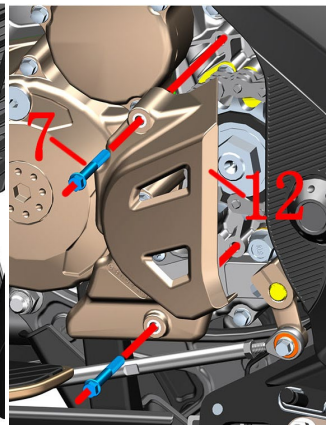
●PKE cables need to be protected. Non-professionals are strictly prohibited to disassemble the PKE system components, otherwise it may cause permanent damage.

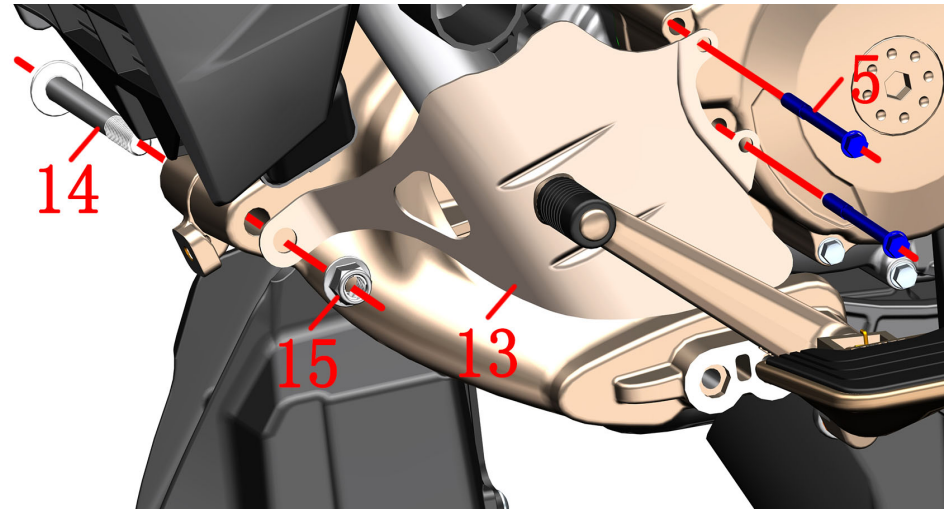
●Please refer to the driver's manual for PKE operating instructions.

●Be careful not to overcharge the charging time. Please refer to the manual for details on battery usage and maintenance.

●The button battery model used in the band version: CR1225.







PIC.1 FRAME&ENGINE		ENGINE TRIM COVER ASSY	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non-standard bolt M6×16 (304 stainless steel)	3	
2	1274100-018000	ZT250－S muffler anti-scald plate bushing	3	
3	1244100-017000	ZT250－S muffler anti-scald plate rubber	3	
4	1224200-157000	ZT310－V Trim cover of right engine cover	1	
5	1251112-005093	M6×75 hexagon flange bolt (color zinc)	3	10N.m
6	1274200-221000	ZT310－V Mount bracket of engine right trim cover	1	
7	1251112-003093	M6×45 hexagon flange face 9.8 bolt (color zinc)	3	10N.m
8	1251112-006093	M6×90 hexagon flange bolt (color zinc)	1	10N.m
9	1274200-220000	Front mount bracket of engine right trim cover	1	
10	1274200-041000	ZT310 pipe clamp（φ26）	1	
11	1244200-068000	ZT310－V Engine water inlet pipe	1	
12		Rear left cover of engine	1	
13		ZT310-V Muffler Left Anti-scalding Plate	1	
14	1251100-135000	Non-standard bolt M10×1.5×95（dacromet）	1	
15	1251300-057093	Non-standard nut M10×1.5（dacromet）	1	65±5N.m

PROCEDURE:

●Engine right trim cover assembly

Using 4# inner hexagon socket disassemble 3 bolts (1) and take out the right trim cover components.Remove the bushing (2)、buffer rubber (3) from the right trim cover components.Using 8# sleeve disassemble the bolts (5) and take out the bracket (6). Using 8# sleevedisassemble the bolts (7)、(8)and take out the bracket (9).Use a screwdriver to loosen clamp (10), unplug the water inlet pipe (11)

● Engine left rear cover

Using 8# sleeve remove the bolt (7) disassemble the rear cover (12).

●Anti-scald left muffler plate

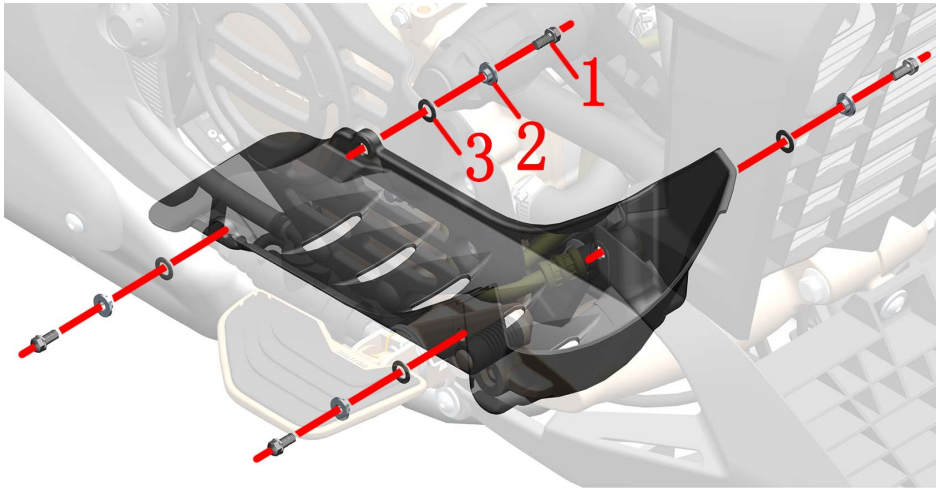
Remove the lower shroud assembly first. Secure the head of the bolt (14) with a 14# sleeve and remove the nut (15) with a 14# sleeve.Grab the anti-scalding plate (13) and using 8# sleeve remove the 2 bolts (5) to remove it.

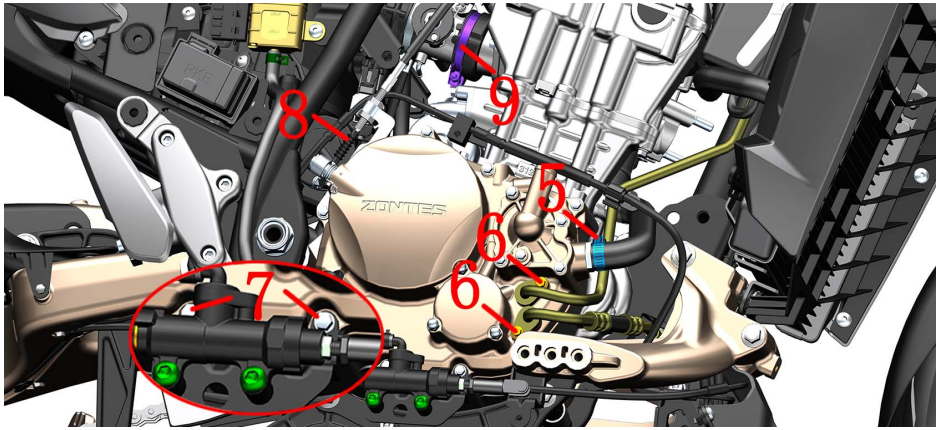
CAUTION：

●The 3 M6 bolts of the engine trim cover bracket must be coated with thread fastening glue before reassembly, with a torque of 10N.m.

●The coolant should be drained before disassembly.

●Swallowing or inhaling the coolant can be harmful to the human body.Please thoroughly clean any exposed skin such as hands, face, etc. after each addition of coolant.Contact poison control center or hospital immediately if swallowed.If inhaled, please go to a ventilated environment immediately.In case of accidental splash into eyes, please immediately flush eyes with plenty of running water and seek medical treatment in time.Be sure to stay away from children and pets.





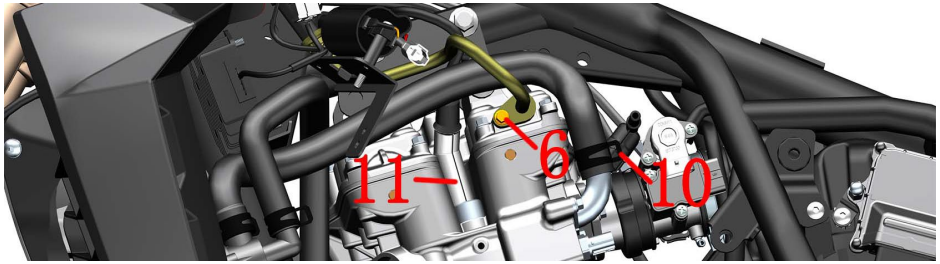


Fig.2 FRAME&ENGINE		FRAME&ENGINE1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250104-006097	GB16674M6×12 (chromed/HH)	4	
2	1274100-057095	Flanging bushing φ6.2×φ8.5×3.5＋φ14×1.5	4	
3	1244100-052000	Buffer rubber of flanging bushing (φ8.5×φ14×1)	4	
4	1224200-193000	ZT310-VX rear shock absorber connecting rod plate	1	
5	1274200-041000	ZT310 Water pipe clamp (φ25)	1	
6	1251100-061093	M6×22 Hex flang bolt thread level 8.8 (color zinc)	3	
7	1251112-003093	M6×45 Hex flange surface 9.8 bolt (color zinc)	2	
8	1154200-021000	ZT310－VX clutch cable	1	
9	1051354-004000	Φ56×10 clamp components	1	
10	1274200-090000	ZT310 water pipe clamp(φ26)	1	
11	1184200-177000	ZT310 EFI ignition coil	1	

PROCEDURE:

●Connecting rod plate assembly

Use an 8# sleeve to remove 4 bolts (1), and remove the bushing (2) and cushion rubber (3). Remove the connecting rod plate (4).

●Pipeline

Refer to the steps for draining coolant and oil to drain the oil inside the engine before proceeding to the next step.

Use an 8# sleeve to remove the 2 bolts (6) on the right, and remove the bottom oil inlet pipe.

Use a screwdriver to loosen the clamp (5), pull out the water pipe, remove the engine oil outlet pipe, and then insert the water pipe back.

Use an 8# sleeve to remove the 2 bolts (7), remove the rear brake main pump assembly, and then reinstall the bolt (7).

Refer to the detachment procedure to remove the end of the clutch line (8) connected to the engine.

After loosening the pipe clamp (9), pull out the throttle valve body assembly backward to separate it from the intake manifold.

Use an 8# sleeve to remove the left bolt (6), and remove the oil pipe.

Use the hoop pliers to loosen the hoop (10) and pull out the end of the water outlet pipe connected to the engine.

Unplug the end of the ignition coil (11) connected to the spark plug.

●Line

Unplug all wires connected to the engine, such as negative wire, water temperature sensor plug, gear sensor plug, etc.

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 negative pole, etc.

●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.

●The disassembly and assembly steps of the rear shock absorber connecting rod assembly are described in the "Rear shock absorber assembly" of the "Rear Wheel, Rear Flat Fork Assembly", and will not be repeated here.

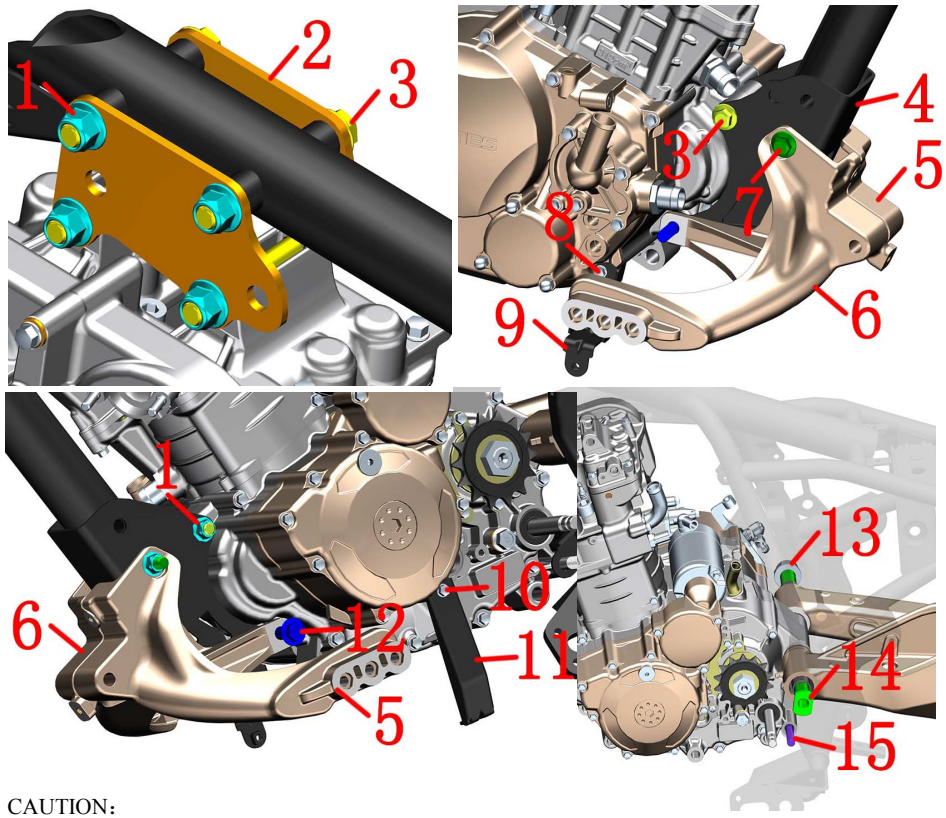


Fig.3 FRAME&ENGINE		FRAME&ENGINE3	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251300-057093	Non-standard nut M10×1.5	6	65±5N.m
2	1020242-385000	ZT310－V Upper hanging piece	2	
3	1251100-132003	Non-standard bolt M10×1.5×80	5	
4	4024200-043000	ZT310－V bracket	1	
5		ZT310－V front bracket of left footrest	1	
6		ZT310－V front bracket of right footrest	1	
7	1251100-137000	Non-standard bolt M10×1.5×100	1	
8	1251112-003093	M6×45 hexagon flange face 9.8 bolt	1	12±1.5N.m
9	1274200-236000	ZT310－VX lower faring cover right support	1	
10	1251112-005093	M6×75 hexagon flange bolt	1	12±1.5N.m
11	1274200-130000	ZT310－V left support of lower wind fairing	1	
12	1251100-261000	Non－standard bolt M10×1.5×127 (dacromet)	1	
13	1251300-067000	ZT250－R rear wheel hollow shaft nut	1	110N.m
14	1094200-009000	ZT310－V rear wheel hollow shaft	1	
15	1251100-295000	Non－standard bolt M10×1.5×137 (dacromet)	1	

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 negative pole, etc.

●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.

●Use the appropriate tools to support the whole vehicle to prevent accidents caused by the dumping of the vehicle during the disassembly process; single operation is strictly prohibited.

●All standard parts must meet the standard torque value during reassembly, and re-add the oil according to the instructions.

PROCEDURE:

● Front footrest bracket,wind fairing bracket

Fix the heads of bolts (3) and (7) with a 14# sleeve, and remove the 2 nuts (1) on the left with a 14# sleeve. Remove the front left foot support (5), and then support the front right foot support (6), remove the bolts (3) and (7) and then take off the right foot support. Use an 8# sleeve to remove the bolt (8) and remove the right bracket (9); remove the bolt (10) and remove the left bracket (11). Install bolts (8) and (10) back to the engine. Insert the bolts (3) and (7) on the bracket back to facilitate the next step.

●The middle part of the engine is connected with the frame and the rear fork

Bolts (12) and (15) are the shock-absorbing connecting rod components after being disassembled and then inserted back, which is convenient for disassembly and assembly of the engine.

First use a 14# sleeve to fix the head of the bolt (3) at the hanger, and then use a 14# sleeve to remove the nut (1). Remove the hanging piece (2).

●Disassemble the engine

Fix the head of shaft (14) first, and remove nut (13) with a 30# sleeve. After supporting the engine, one person slightly shakes the rear fork assembly, and one person pulls out the shaft (14). Continue to support the engine and remove the bolts (3) and (7) remove the bracket (4). After removing the bolts (12) and (15), hold the engine to move to one side, and pay attention to safety during the movement. Place the engine on a flat ground.

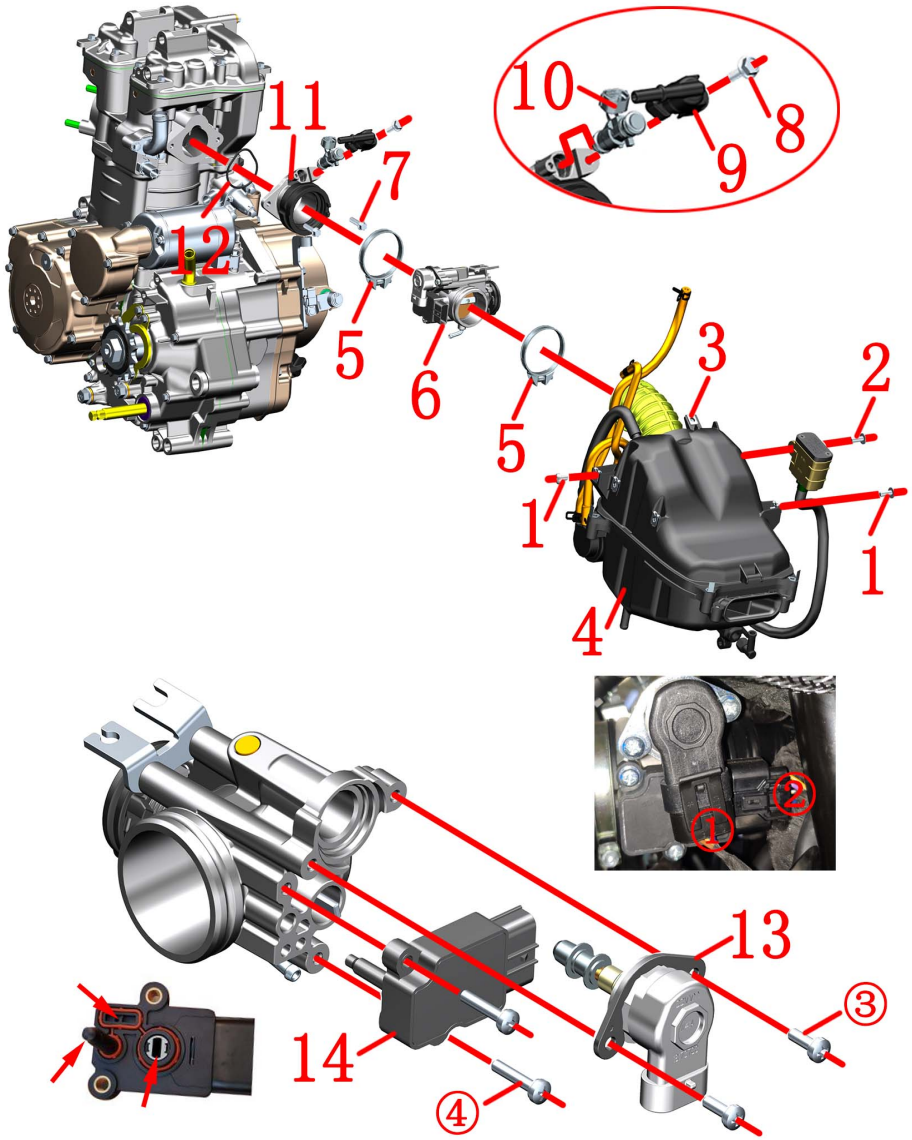


Fig.1 INTAKE SYSTEM COMPONENT		Intake system component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	2	
2	1251100-102000	Non-standard bolt M6×16 (304 stainless steel)	1	
3	1251300-063093	Clamp plate M6×11×15 (environmental color)	8	
4	1224200-170000	ZT310-V1 Air filter (Bosch)	1	
5	1051354-004000	Φ56×10 pipe clamp assembly	2	
6	1050954-038000	ZT40 three-in-one valve body sub-assembly manufacturing parts	1	
7	1251100-061093	M6×22 Hexagon flange bolts	2	
8	1250105-138093	GB5789M6×20 (environmental color)	1	
9	1050968-002000	ZT1P58MJ injector retainer	1	
10	1050954-023000	EV14 injector G48	1	
11	1050954-034000	ZT180MN intake pipe assembly (Bosch)	1	
12	1051454-016000	45×2.5 fluorine rubber O-ring	1	
13	1050954-025000	DLA-mini flangeless stepper motor 8mm	1	after-sale
14	1050954-024000	CTS three-in-one sensor	1	

PROCEDURE:

●Air filter

Using 4# inner hexagon socket remove the bolts (1), (2)； Using 4# inner hexagon socket loosen the hose clamp assembly (5) on the side of the air filter, clamp the clamp on the exhaust pipe with pliers and pull out the exhaust pipe connected to the exhaust port of the engine, and then use the rubber plug that was delivered with the bike. Plug it well to prevent foreign matter from entering and damaging the engine. Remove the air filter assembly and splint nut (3).

●Throttle valve assembly

Use a 8# wrench to remove the bolt (7) and remove the throttle valve assembly. Using 4# inner hexagon socket loosen the pipe clamp (5) between the intake pipe assembly (11) and the throttle valve component (6), and remove them respectively. Remove the O-ring (12) from the intake pipe assembly. Using 10# sleeve remove the bolt (8) that fixes the injector holder (9) to remove the holder, and remove the injector (10).

●Throttle valve body after-sales parts

Throttle valve body assembly already contains stepper motor (13) and sensor (14). Unplug the plug ① and use a Phillips screwdriver to remove the 2 bolts ③, remove the card, and then remove the stepping motor (13); unplug the plug ②, use a Phillips screwdriver to remove the 2 bolts that fix the sensor ④ Remove sensor (14).

CAUTION:

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

●Before reassembly, check the O-ring (12) for damage and replace it if any.

●When reinstalling the sensor (14), be careful to align the square holes; there must be no foreign objects; the sealing rubber gasket cannot be missing or misplaced. Do not touch the sensor head.

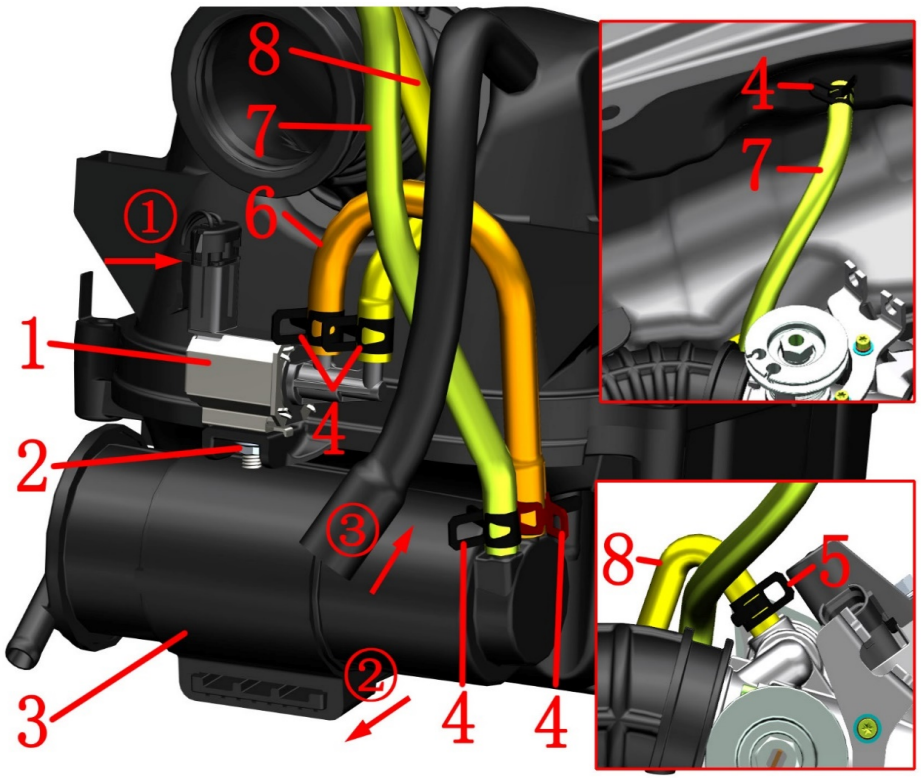


Fig.2 INDUCTION SYSTEM COMPONENT		Induction system component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1050954-009000	YH Carbon tank electromagnetic valve	1	
2	1250303-010093	GB6177.1M6（color zinc）	2	
3	1224100-012000	ZT250－S Carbon tank	1	
4	1274200-088000	ZT310 water pipe clamp（φ10.5）	5	
5	1274200-079000	ZT310 water pipe clamp（φ9）	1	
6	1244200-096000	ZT310-V carbon canister solenoid valve intake manifold (Φ5×Φ11/Φ7×Φ13)	1	
7	1244200-095000	ZT310-V carbon Tank adsorption Tube (Φ 5 × Φ 11)	1	
8	1244200-097000	ZT310-V carbon Tank Solenoid Valve exhaust Manifold (Φ 4 × Φ 10 / Φ 5 × Φ 11)	1	

PROCEDURE:

●Carbon tank

Clamp the hoop (4) at the outlet of the oil and gas separator at the bottom of the tank with pliers, unplug the adsorption tube (7) , and remove the hoop (shown in the upper right corner). Also remove the outlet pipe (8) and hoop (5) above the throttle valve body assembly (shown in the lower right corner). And the hoop (4) on the left side of the carbon tank (3) , remove the adsorption tube (7) , and pull out the intake pipe (6) near one end of the carbon tank. Pull the carbon tank down in the direction indicated by arrow②.

●Carbon tank electromangnetic valve

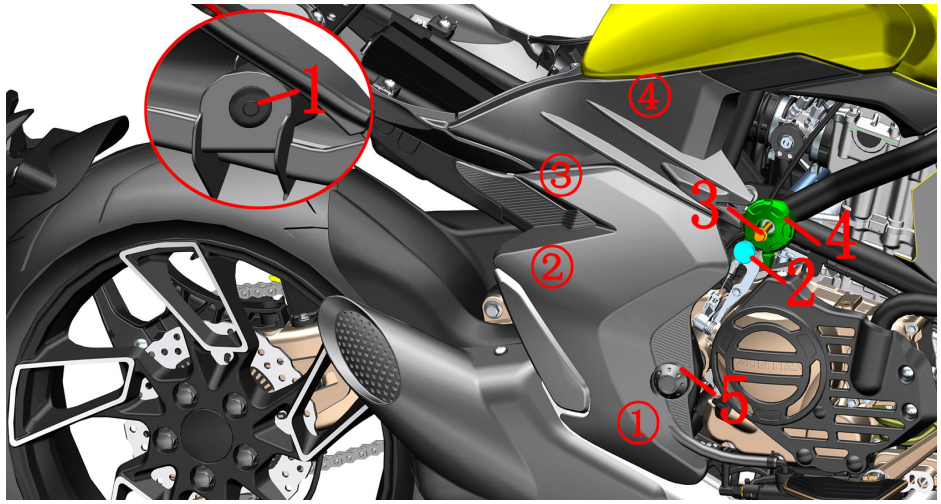
First remove the connector ① of the carbon tank solenoid valve(1),Then remove the nut (2) with the 10# sleeve; remove the solenoid valve assembly. Loosen the hoop (4) and pull out the intake pipe (6) and the outlet pipe (8) .

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.



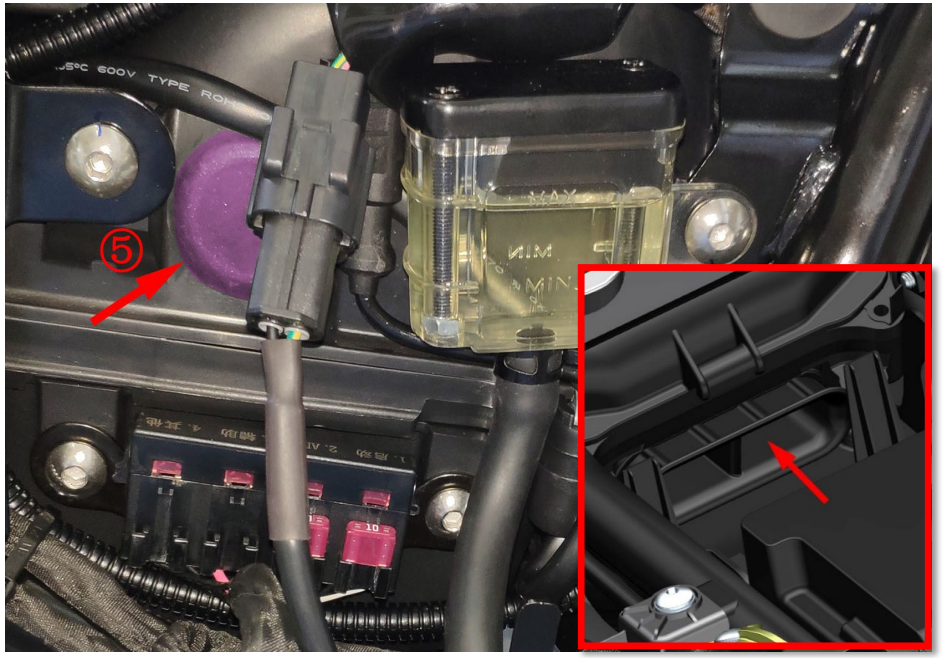


Fig.3 INDUCTION SYSTEM COMPONENT		Maintain the filter element of the air filter	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224100-010000	ZT250－S swell nail	1	
2	1244100-061000	ZT250 anti-water rubber of frame	1	
3	1250105-018091	GB5789 M8×70（white zinc）	1	
4	4044201-256051	ZT310-v fender ball (dark grey matte)	1	
5		ZT310－V right side cover	1	

PROCEDURE:

●Side cover

First remove the cushion, and then remove the expansion nail(1) at the connection between the right cover and the tail skirt. Remove waterproof plug (2) and loosen bolt (3) with T12 sleeve without complete removal. Pull the decorative ball(4) out and rotate clockwise, staggering the grooves on the right cover. Pull out the right cover in the order of①-②-③-④.

●Maintenance

The vehicle should be pushed to a dust-free or dust-free place before the rubber plug⑤ of the air filter is removed, and the filter core should be continuously blown into the air filter with a high-pressure air gun for 10 to 15 minutes, and then the plug should be covered back.

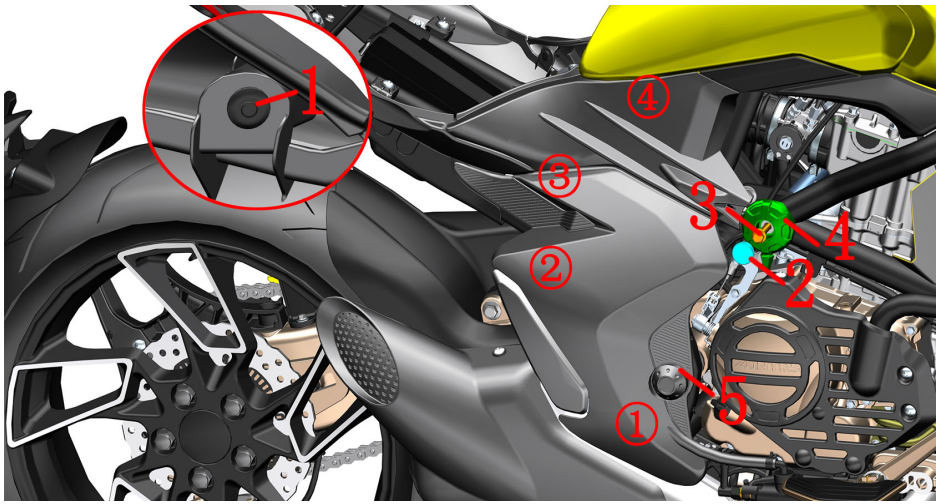
Blow the dirt out of the air inlet with a high pressure air gun, or use a cleaning device to extend the catheter into and absorb the dirt.

CAUTION:

●In the dusty environment, the frequency of cleaning or replacing the filter element needs to be increased.

● Air filter is blocked by dust, which will increase the intake resistance, resulting in insufficient engine intake and fuel consumption or engine damage.

●The filter element or maintenance should be replaced every 10000km under normal conditions. After each rapid maintenance, you can continue to ride or repair the filter after 4000km.



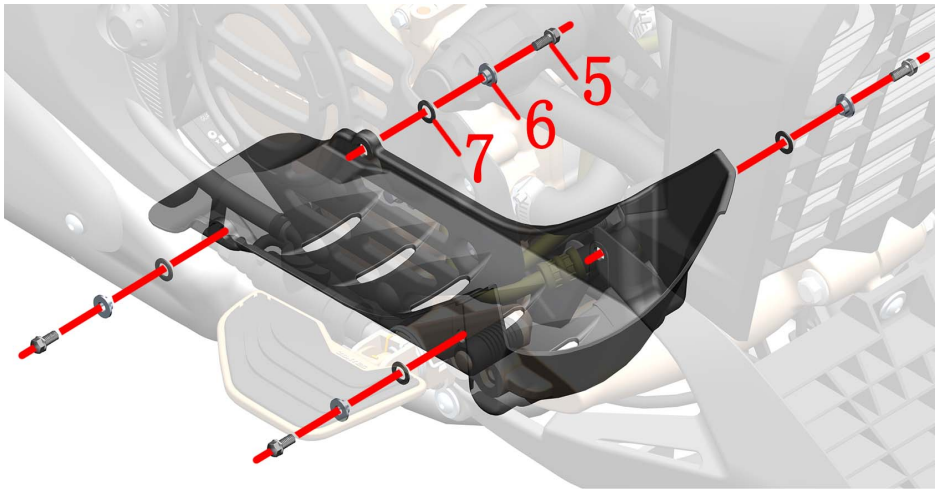


Fig.4 INDUCTION SYSTEM COMPONENT		Replace the air filter element 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224100-010000	ZT250－S swell nail	2	
2	1244100-061000	ZT250 anti－water rubber of frame	2	
3	1250105-018091	GB5789 M8×70(white zinc)	2	
4	4044201-256051	ZT310－V fender ball (dark grey matte)	2	
5	1251100-102000	Non－standard bolt M6×16(304 stainless steel)	4	
6	1274100-057095	Flanging bushing φ6.2×φ8.5×3.5＋φ14×1.5	4	
7	1244100-052000	Buffer rubber of flanging bushing (φ8.5×φ14×1)	4	
8	1224200-193000	ZT310-VX rear shock absorber connecting rod plate	1	

PROCEDURE:

●Side cover

Refer to the method of removing the side cover to remove the left and right side covers.

●Connecting rod plate

Remove the connecting rod plate first by referring to the steps of the shock-absorbing connecting rod plate after removal.

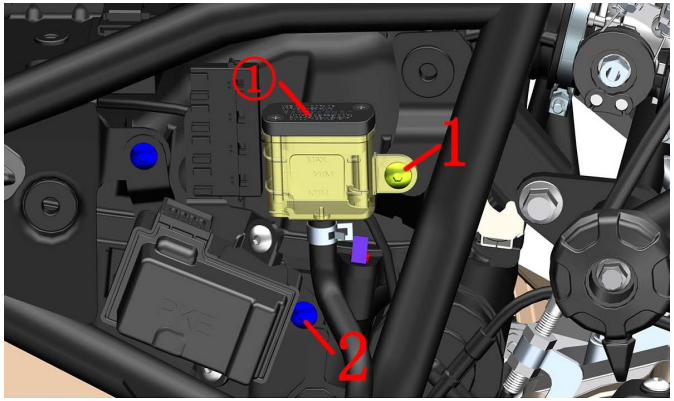
●Support the whole motorcycle

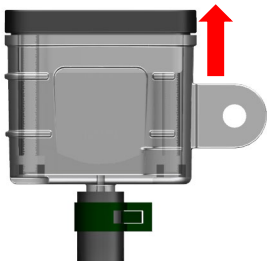
Tilt the body to the left with the side bracket as the fulcrum, and then use a firm stool to support the muffler back pressure package to keep the rear wheels off the ground. The front disc brake handle can be tied with a cable tie to prevent the motorcycle from running forward. Support the entire vehicle before proceeding to the next step.

CAUTION:

●The bolt (3) does not need to be completely removed.

●Pay attention to protect the buckle and paint surface when disassembling the side cover.





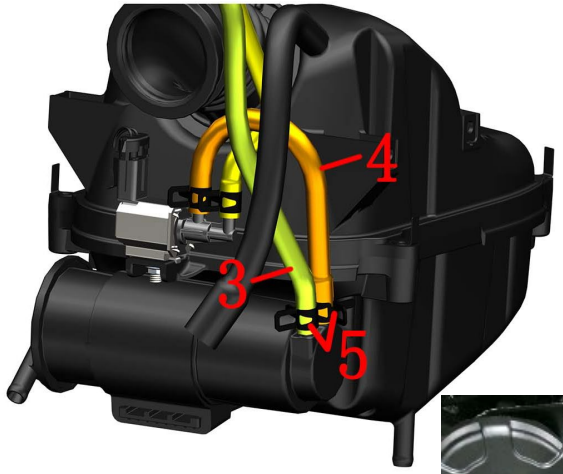


Fig.5 INDUCTION SYSTEM COMPONENT		Replace the air filter element 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non-standard bolt M6×16（304stainless steel）	1	
2	1251100-101000	Non-standard bolt M6×12（304stainless steel）	2	
3	1244200-095000	ZT310-V carbon Tank adsorption Tube (Φ 5 × Φ 11)	1	
4	1244200-096000	Intake Manifold of Solenoid Valve for ZT310-V carbon Tank (Φ 5 × Φ 11 / Φ 7 × Φ 13)	1	
5	1274200-088000	ZT310 water pipe clamp（φ10.5）	2	

PROCEDURE:

●Right side

Using 4# inner hexagon socket remove the bolt (1) at the right disc brake oil cup; move the disc brake oil cup to the side and ensure that the oil cup cover is facing up.

Remove the two bolts (2) of the right fuse box ① and pull out the fuse box and arrange the cables.

●Air filter

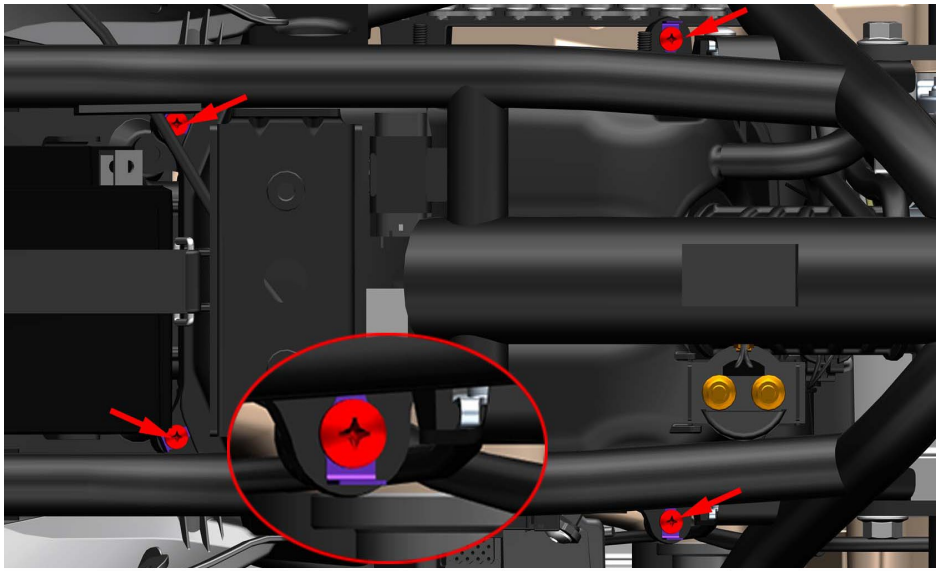
Clamp the hoop with pliers (5) and remove the boss on the canister. Pull out the suction tube (3) and pull out the intake pipe (4).

Place a rag under the air filter and use a needle-nose pliers to pull out the waste tubing at the bottom.

CAUTION:

● Always keep the disc brake oil cup cover facing up.

● When pulling out the tube, you should not directly clamp it with a nipper pliers to prevent leakage or oil leakage.



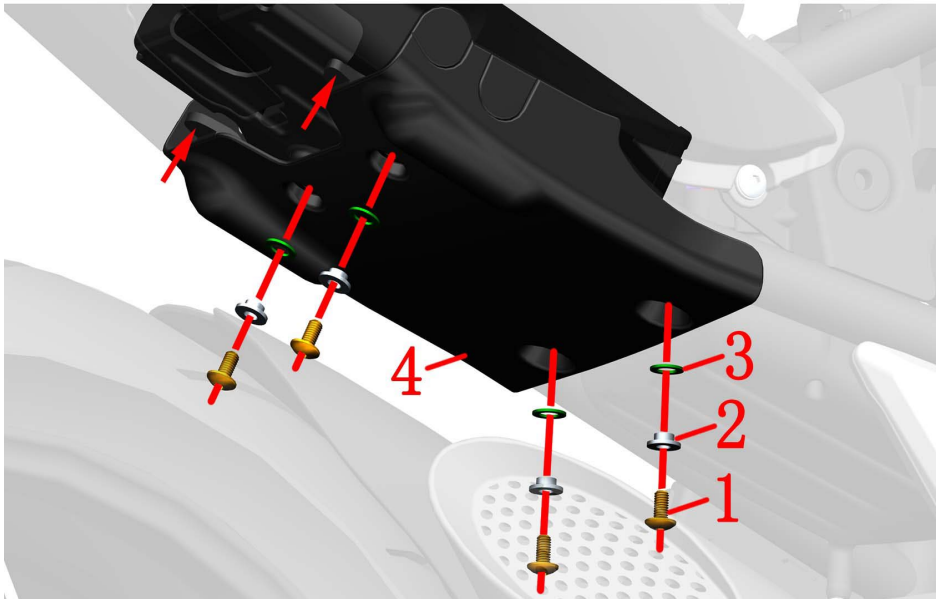


Fig.6 INDUCTION SYSTEM COMPONENT		Replace the air filter element 3	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-101000	Non-standard bolt M6×12（304stainless steel）	4	
2	1274100-057095	Flanging bush φ6.2×φ8.4×3.5＋φ14×1.5	4	
3	1244100-052000	Buffer rubber of flanging bushing (φ8.5×φ14×1)	4	
4	4044201-467051	ZT310-VX battery bottom cover (dark gray matte)	1	

PROCEDURE:

●Air filter

Locate the lock pins at the four corners of the air filter. Open the card and remove the four bolts with a Phillips screwdriver.

●Electric device box

Using 4# inner hexagon socket remove the bolt (1) from the bottom, remove the bush (2) and the cushion rubber (3). Pull down the bottom of the rear cover slightly and remove the battery bottom cover (4).

●Air filter bottom case

Take off the air filter bottom case.

CAUTION:

● Pay attention to safety when opening the lock card.

● Do not pull it open when pulling down the device box.

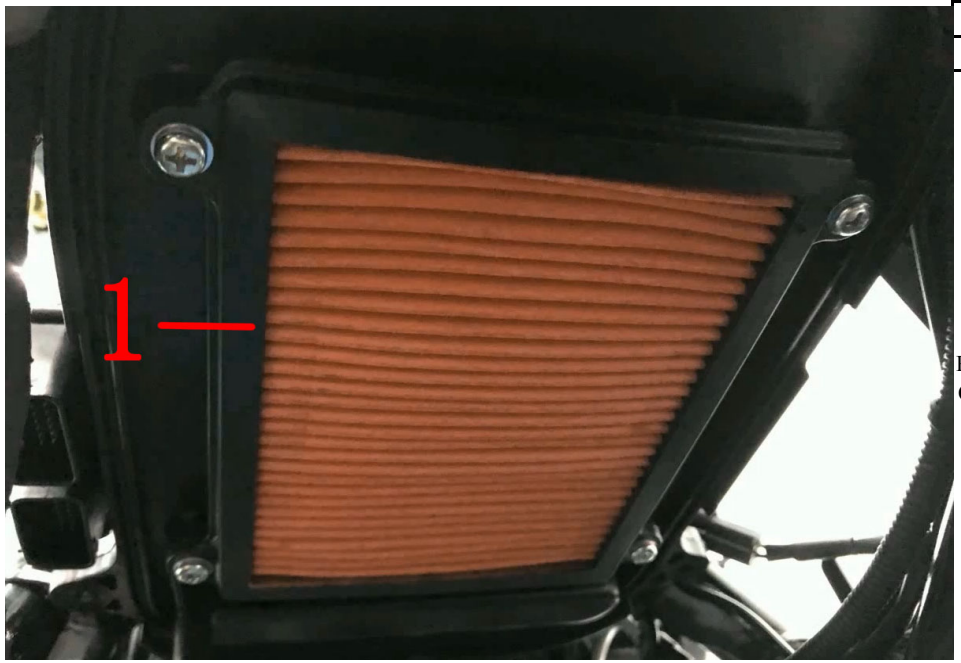


Fig.7 INDUCTION SYSTEM COMPONENT		Replace the air filter element 4	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	4134200-001000	ZT310-V air filter core (with carton packaging)	1	

PROCEDURE:

●Air filter element

Use a Phillips screwdriver to remove the four bolts.

Replace the filter element with a new one.

Prepare new filter elements and seals.

Install the seal into the filter groove and press it tight.

Clean the bottom case.

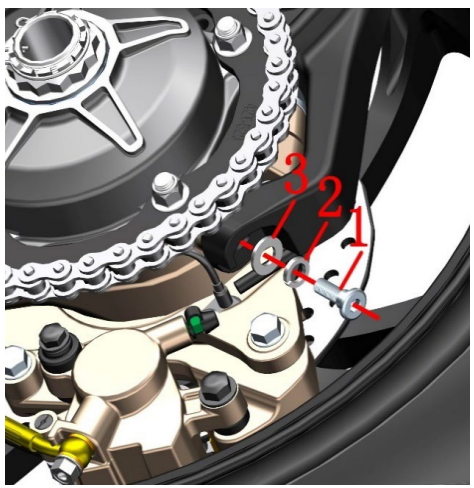
Reassemble all parts by referring to the removal procedure.

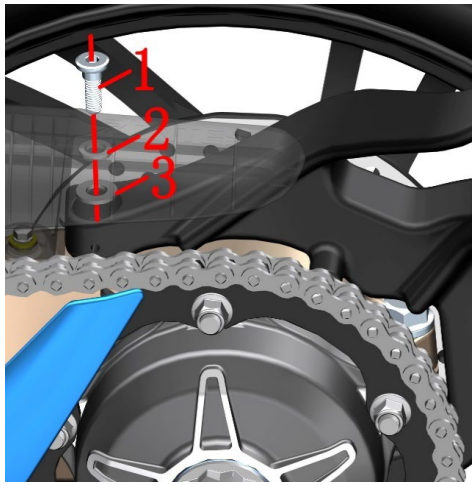
CAUTION:

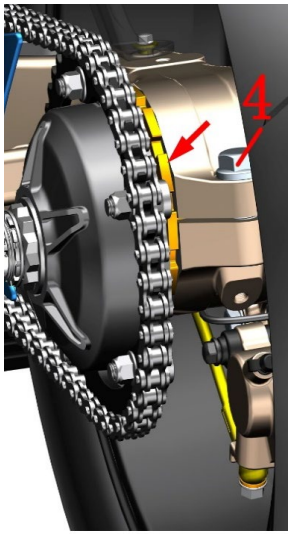
●The sealing ring must be assembled in place. Leakage or assembly may not cause dust to enter the engine. In severe cases, the internal parts of the engine may be damaged.

● Note that the torque should not be too large when locking the Phillips bolt to prevent damage to the parts.

●When flushing the vehicle, be careful not to allow water to enter the air filter. If a small amount enters, remove the oil pipe and release it. Make sure that there is no water inside the air filter to start the vehicle.







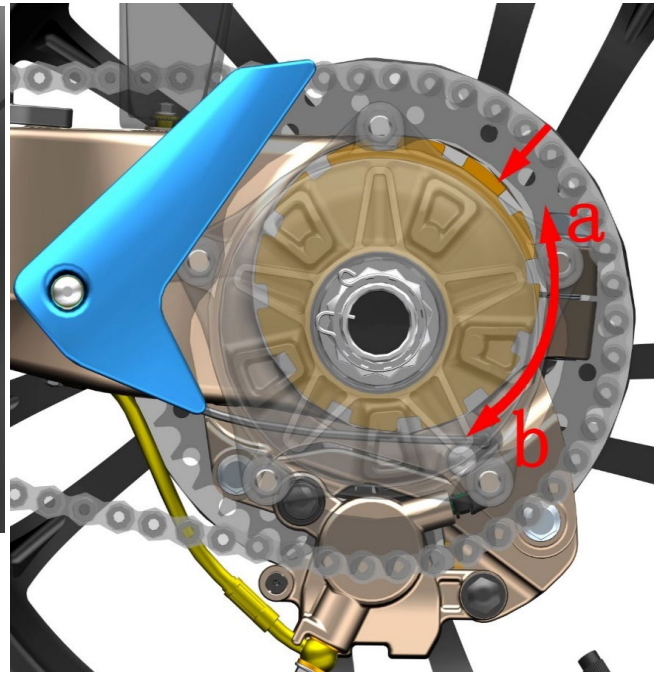


Fig.1 Rear wheel, swinging arm assembly		Adjustment chain	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-117093	Non standard hex socket bolt M8×25	2	
2	1250501-004091	GB93φ10（white zinc）	2	
3	1250503-006091	GB97.1φ10（white zinc）	2	
4	1251100-204000	Non-standard Bolt M16×1.5×50（color zinc）	1	100N.m

PROCEDURE:

●Rear auxiliary mud plate assembly

Use a 6# inner hexagon socket remove the bolt (1) at the bottom of the rear sub-slab assembly and remove the spring washer (2) and flat washer (3).

After holding the rear sub-mud assembly in one hand, Using a 6# inner hexagon socket remove the upper bolt (1) and remove the spring pad (2) and flat pad (3). Place the rear sub-mud assembly properly, taking care not to pull the cable.

●Sprocket assembly

Use a 21# sleeve to loosen the bolt (4).

Use a special hook wrench to turn the eccentric chain adjuster at the arrow indication. The counterclockwise direction is to tighten the chain, and the clockwise b direction is loose.

The chain sag is 18~25mm. If it is too large, it will cause the chain to be accidental or damage the engine. If it is too small, it will aggravate the wear of the chain and sprocket.

After adjusting the chain, restore it and pay attention to the torque of the bolt (4).

CAUTION:

●The upper bolt can only be removed after holding the rear mud plate assembly; Do not pull the cable

●The torque of the bolt (4) is 100N.m.

●The chain must be checked regularly for excessive wear; the chain should be cleaned and properly lubricated regularly.

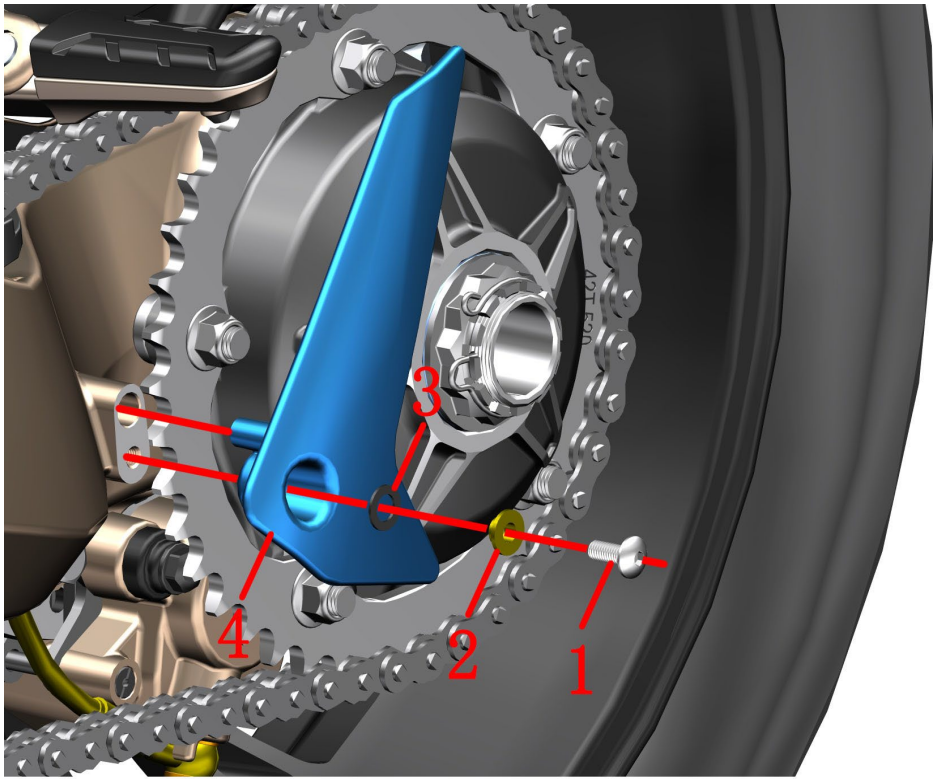


Fig.2 Rear wheel, swinging arm assembly		Sprocket baffle	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-101000	Non-standard Bolt M6×12（304 stainless steel）	1	
2	1274100-057095	Bush φ6.2×φ8.4×3.5＋φ14×1.5	1	
3	1244100-052000	Buffer rubber of flanging bushing (φ8.5×φ14×1)	1	
4		ZT310－R1 sprocket baffle	1	

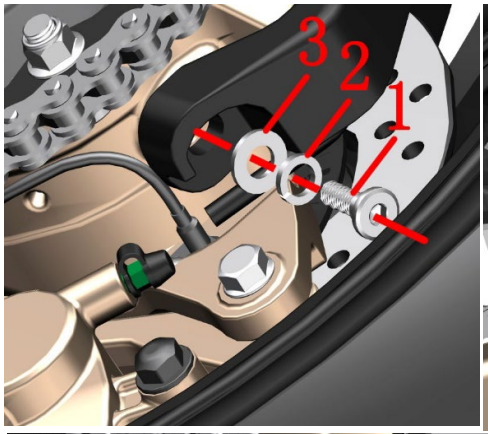
PROCEDURE:

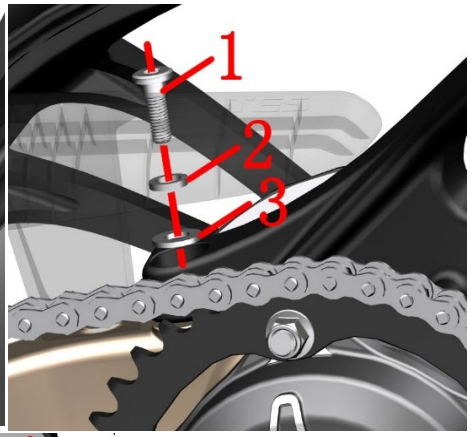
●Sprocket baffle

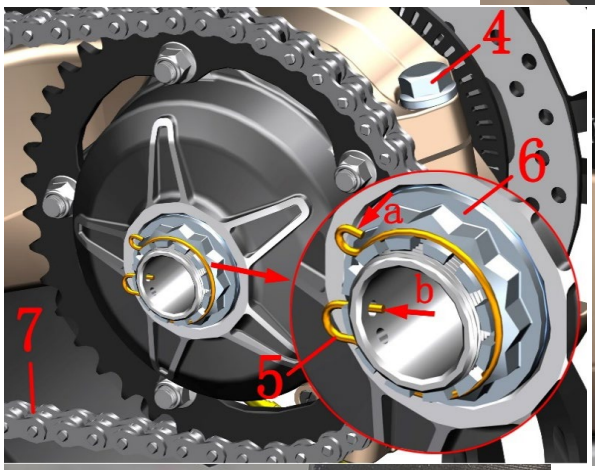
Using 4# inner hexagon socket remove bolt(1)， remove the flange bushing (2), cushion rubber(3); finally remove the sprocket baffle(4).

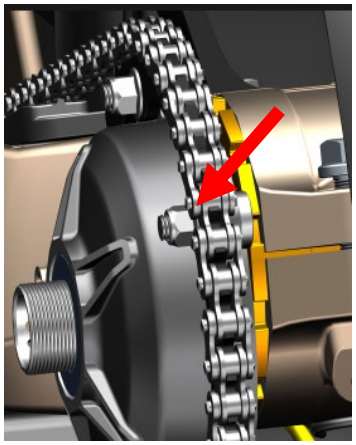
CAUTION:

●When reassembling, pay attention to the limit boss on the sprocket baffle to be inserted into the limit hole of the rear fork.









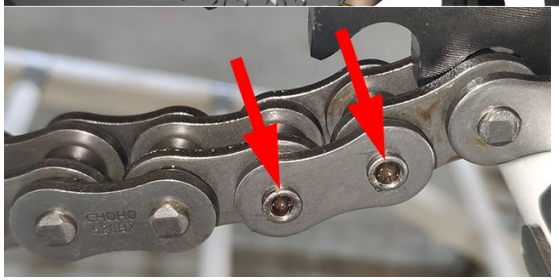


Fig.3 Rear wheel, swinging arm assembly		Sprocket assembly 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-117093	Non standard hex socket bolt M8×25	2	
2	1250501-004091	GB93φ10（white zinc）	2	
3	1250503-006091	GB97.1φ10（white zinc）	2	
4	1251100-204000	Non standard bolt M16×1.5×50(color zinc)	1	100N.m
5	1094100-062000	M35 nut locking spring	1	
6	1251300-070000	Non standard nut M35×1.5(environmental color zinc)	1	200N.m
7	1080200-079000	ZT310－R1 114 chain（DID520VF/Open type）	1	

PROCEDURE:

●Rear auxiliary mud plate assembly

Using 6# inner hexagon socket Remove the bolt (1) at the bottom of the rear sub-slab assembly and remove the spring washer(2) and flat washer(3).

After holding the rear sub-mud assembly in one hand, Using a 6# inner hexagon socket remove the upper bolt(1) and remove the spring washer(2)and flat washer(3). Place the rear sub-mud assembly properly, taking care not to pull the cable.

●Sprocket assembly

Use the No. 21 sleeve to loosen the bolt(4) without removing it.

Pull the locking spring (5)a radially out of the groove on the nut(6)and pull it out in the axial direction; remove the locking spring(5) in the direction indicated by the arrow b.

One person stepped on the brake pedal to prevent the rear wheel from rotating. One person removed the nut(6) with a 42mm 12-angle sleeve + 280N.m torque wrench.

Use a special hook wrench to turn the eccentric chain adjuster at the arrow direction clockwise to remove the chain from the sprocket.

Remove the sprocket assembly.

●Chain

Rotate the chain on the left to find the clasp. Grind off the angle grinder to remove the chain(7).

Punch links(8) can be purchased on the official website or other online shopping platforms. A dedicated chain installation tool is required and the tool must be purchased by yourself. The card for the transition link must be on the outside.

CAUTION:

●The upper bolt sits only after the rear mud plate assembly needs to be dragged down; you can't pull the cable.

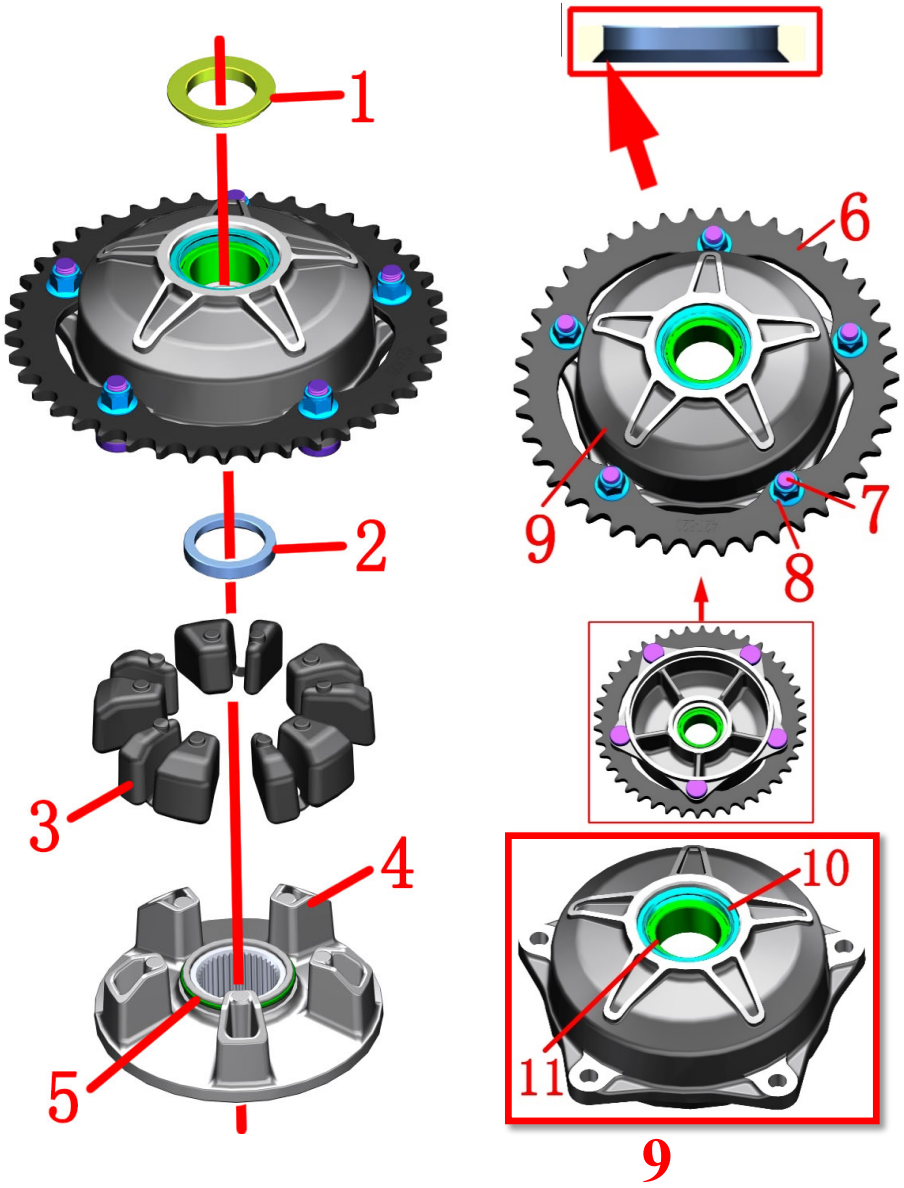


Fig.4 Rear wheel, swinging arm component		Sprocket assembly 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1274100-108000	Bushing Φ45×Φ35×5.5+Φ54×Φ35×2	1	
2	1274100-105000	Bushing Φ46×Φ35×7.3	1	
3	1244100-087000	ZT310-R1 single rear fork sprocket buffer rubber	5	
4	1094200-013000	ZT310 single rear fork sprocket seat inner shell	1	
5	1244200-088000	O-ring (Φ52.4×2.6)	1	
6	1274200-120000	ZT310 single rear fork arm 520-42T sprocket	1	
7	1251100-190000	Non standard bolt M10×1.5×30（color zinc）	5	
8	1251300-057093	Non standard nut M10×1.5（DACROMET）	5	65N.m
9		ZT310 single rear fork sprocket seat shell assembly	1	
10	1244200-045000	ZT310 single rear fork arm Φ45×Φ55×5 oil seal	1	after-sale
11	1250601-095000	DA355520-2RS angular contact bearing	1	

PROCEDURE:

●Sprocket assembly

Remove the bushing(1) to separate the inside and outside of the sprocket seat.

Remove the bushing(2). When reassembling, pay attention to the bushing(2). The larger chamfered end faces the inner shell of the sprocket seat.

Remove 5 pieces of sprocket cushion rubber (3) from the outer casing assembly(9).

Remove the O-ring(5) from the inner casing (4).

The outer casing assembly(9)already contains an oil seal(10)and a bearing(11)which are attached to the outer casing for interference, and it is not recommended to disassemble the assembly if necessary.

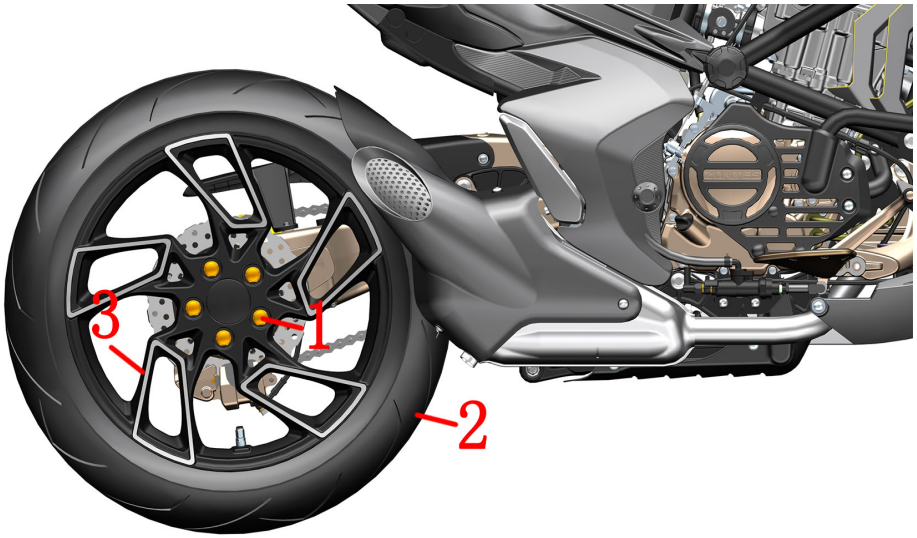
●Sprocket

Using 14# sleeve remove the 5 nuts(8), remove the 5 bolts(7), and remove the sprocket(6). When reassembling, pay attention to the sprocket with the word one facing outward.

CAUTION:

●The notch position of the bolt (7) is facing inward.

●The sprocket seat housing assembly(9) already contains an oil seal and bearings. The distance from the upper end surface of the bearing to the upper end surface of the outer casing is 7.9 to 8.0 mm.



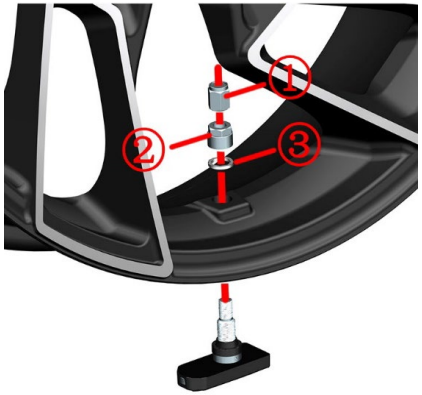


Fig.5 Rear wheel, swinging arm component		Rear wheel component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251300-071000	Non standard nut M12×1.5（chromed）	5	110N.m
2	1230100-386000	180/55R17(CM638)Rear tire(environmental/TL)	1	
3	1094200-047000	ZT310－VX single rocker arm bright black rear wheel	1	
4	1260100-238000	ZT310-R1 rear wheel sign spring	1	
5	1210142-000100	ZT310-R1 single rocker black rim sign	1	
6	1184200-155000	ZT310 tire pressure wireless built-in sensor	1	

PROCEDURE:

●Rear wheel assembly

Remove the 5 nuts with a 200N torque wrench and a 19# gauge sleeve.

Support the vehicle horizontally and let the rear wheels leave the ground.

Remove the rear wheel assembly.

Extend the tool from the left to remove the rim sign (5) from the rim and remove the plaque spring (4) from the placard(5).

●Bosch EFI: Tire pressure wireless built-in sensor

Remove the tire pressure wireless built-in sensor (6) built-in valve cap ① Use a tool to release the air, Then use a professional tire puller to remove the rear tire (2). Be careful to avoid the tire pressure sensor. Finally, use a 12# torx wrench to remove the valve nut ② and the flat washer ③, and then remove the tire pressure sensor.

●Maintenance

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.

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

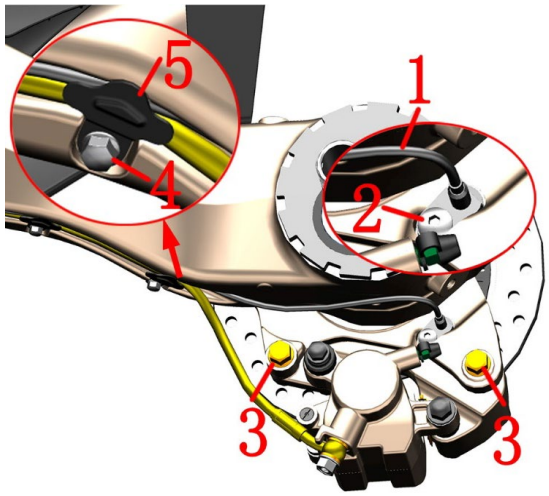
CAUTION:

●Be careful while disassembling the tire and rim in case of damages on the components.

●After changing the tire, check air proof performace and dynamic balance.

●Disqualified tire repair liquid might corrode the rim and cause safety risk.

●Not enough tire pressure can cause abnormal wear and tare. Too high pressure in summer might have possibility of tire bursting.



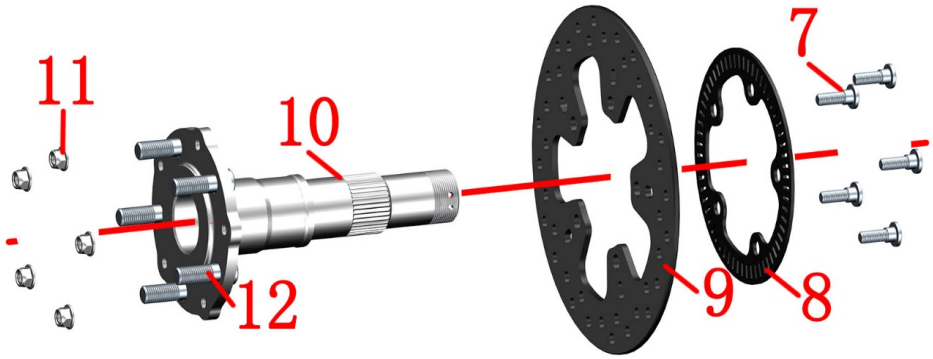


Fig.6 Rear wheel, swinging arm component		Rear axle assembly	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1184200-045000	DF30 wheel speed sensor	1	
2	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	1	
3	1251100-123093	Non standard M8×25(color zinc)	2	
4	1250104-006097	GB16674M6×12（chromed/HH）	4	
5	1274200-119000	Single rocker rear flat fork tubing bracket	4	
6	1224100-037000	0 grade flame retardant cable tie (black 3.6×295)	3	
7	1251100-117093	Non standard hex socket bolt M8×25	5	
8	1274200-058000	ABS gear ring(60T)	1	
9	1100100-419000	ZT310－R1 rear disc brake plate（230×4.5）	1	
10	4024200-048000	ZT310 single rocker rear axle assem（with bolts)	1	
11	1250305-002091	GB6187.1M8（white zinc）	5	24N.m
12	1251100-191000	Non standard bolt M12×1.5×38 (color zinc)	5	after-sale

PROCEDURE:

●Rear axle outer assembly

To remove only the rear axle assembly, simply use a 14# sleeve to remove the 2 bolts (3) and remove the caliper from the mounting plate. Remove the rear axle assembly.

To replace the rear fork, you need to continue with the following steps:

Using 4# inner hexagon socket remove the bolt (2) and remove the wheel speed sensor (1) from the rear disc brake caliper mounting plate.

Using 8# sleeve remove the 4 bolts (4) and remove the tubing bracket (5).

Cut the 4 straps (6) at the arrow indications, and find the inside of the left rear skirt and remove the joint of the rear slab adapter cable. Locate the wheel speed sensor connector near the right air filter and remove it, and remove the wheel speed sensor (1).

●Rear axle assembly

Fix the bolt (7) with a 6# hexagon socket and then remove the nut (11) with a 14# sleeve.

Remove the induction ring gear (8) and the disc brake disc (9) from the rear axle assembly (10).

The rear axle assembly (10) already includes the rear axle and 5 bolts (12). The bolts (12) and the single rocker rear axles have an interference fit. If the bolts are removed and replaced separately, the connection must be firm and reliable, otherwise it may loosen and cause accidents. The bolt heads of the early production models are round and can be replaced directly with the trimmed state of the later production.

CAUTION:

●The replacement of the bolts (12) separately must be secure and reliable.

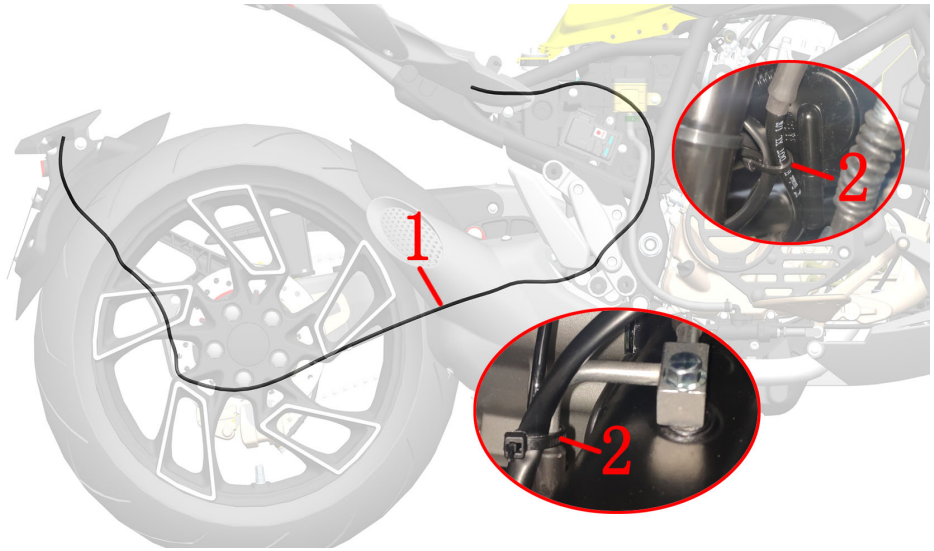


Fig.7 Rear wheel, swinging arm assembly		Rear auxiliary mud plate component 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1184200-030000	ZT310-R sub-mud board adapter cable (L=2000)	1	
2	1224100-037000	0 grade flame retardant cable tie (black 3.6×295)	2	

PROCEDURE:

●Rear auxiliary mud board assembly

Find the 3 plugs at the transfer plug and unplug the shown three plugs.

Cut off the 2 cable ties (2) on the right side of the canister and the upper right side of the rear flat fork.

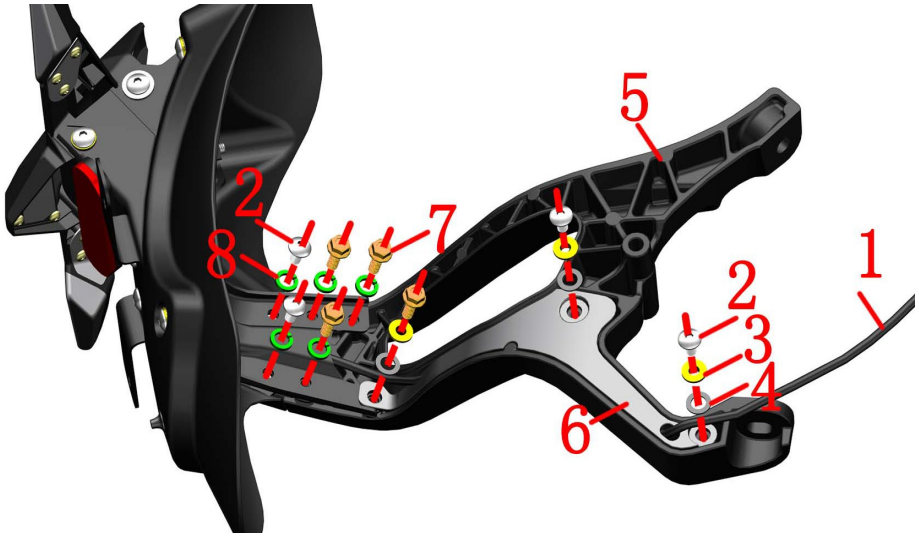
Remove the 4 tubing brackets according to the steps on the previous page.

Carefully pull the auxiliary mudboard adapter cable out of the motorcycle from the vicinity of the battery and remove it to the rear auxiliary mudboard assembly, then roll up the adapter cable and tie it with a rope.

CAUTION:

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

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



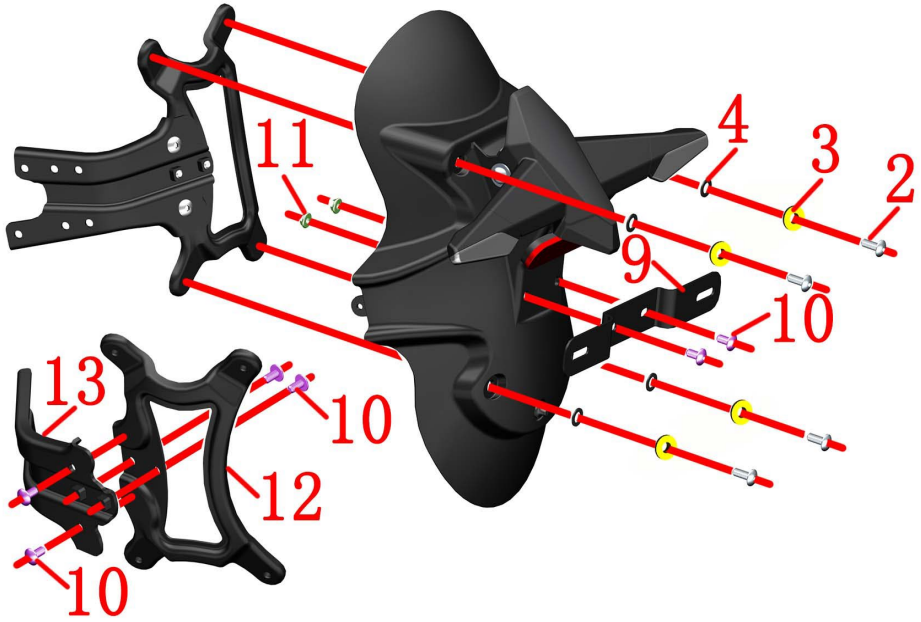


Fig.8 Rear wheel, swinging arm assembly		Rear auxiliary mud plate component 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1184200-030000	ZT310-R sub-mud board adapter cable (L=2000)	1	
2	1251100-102000	Non-standard bolt M6×16 (304 stainless steel)	8	
3	1274100-057095	Flanging bushing φ6.2×φ8.4×3.5+φ14×1.5	7	
4	1244100-052000	Buffer rubber of flanging bushing (φ8.5×φ14×1)	7	
5	1020242-265021	ZT310-R1 rear sub-mud aluminum alloy bracket	1	
6	1224200-106000	ZT310-R1 rear auxiliary mud board retaining plate	1	
7	1250105-137093	GB5789M6×16 (environmental color)	4	
8	1250501-007093	GB93φ8 (environmental color)	5	
9	1270300-039000	HJ125-6 rear license plate bracket	1	
10	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	6	
11	1250303-010093	GB6177.1M6 (environmental color)	2	
12	4024200-036000	Rear section of ZT310-V rear mud plate iron support	1	
13	4024200-035000	Front section of ZT310-V rear mud plate iron support	1	

PROCEDURE:

●Retaining plate

Use 4# inner hexagon to remove bolt (2) and use 10# sleeve to remove bolt (7), remove the flange bushing (3) the rubber pad(4),and finally remove the retaining plate(6).

●Aluminum alloy bracket

Use a 10# sleeve to remove 3 bolts and bolts (7) and use a 4# inner hexagon to remove 2 bolts (2), then remove 5 pcs of spring washer(8), Separate the aluminum bracket from the rear fender assembly.

●Back license plate bracket assembly

Fix the two bolts (10) at the license plate bracket (9) with 4# inner hexagon; remove the nut (11) with a 10# sleeve, and remove the license plate bracket (9) and bolt (10).

●Iron bracket

Use 4# inner hexagon to remove 4 bolts (2), take off the flanging bush (5), rubber pad (6); finally take off the iron bracket assembly.

Use 4# inner hexagon to remove 4 bolts (10), and separate the rear part (12) and the front part (13) of the iron bracket.

CAUTION:

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

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

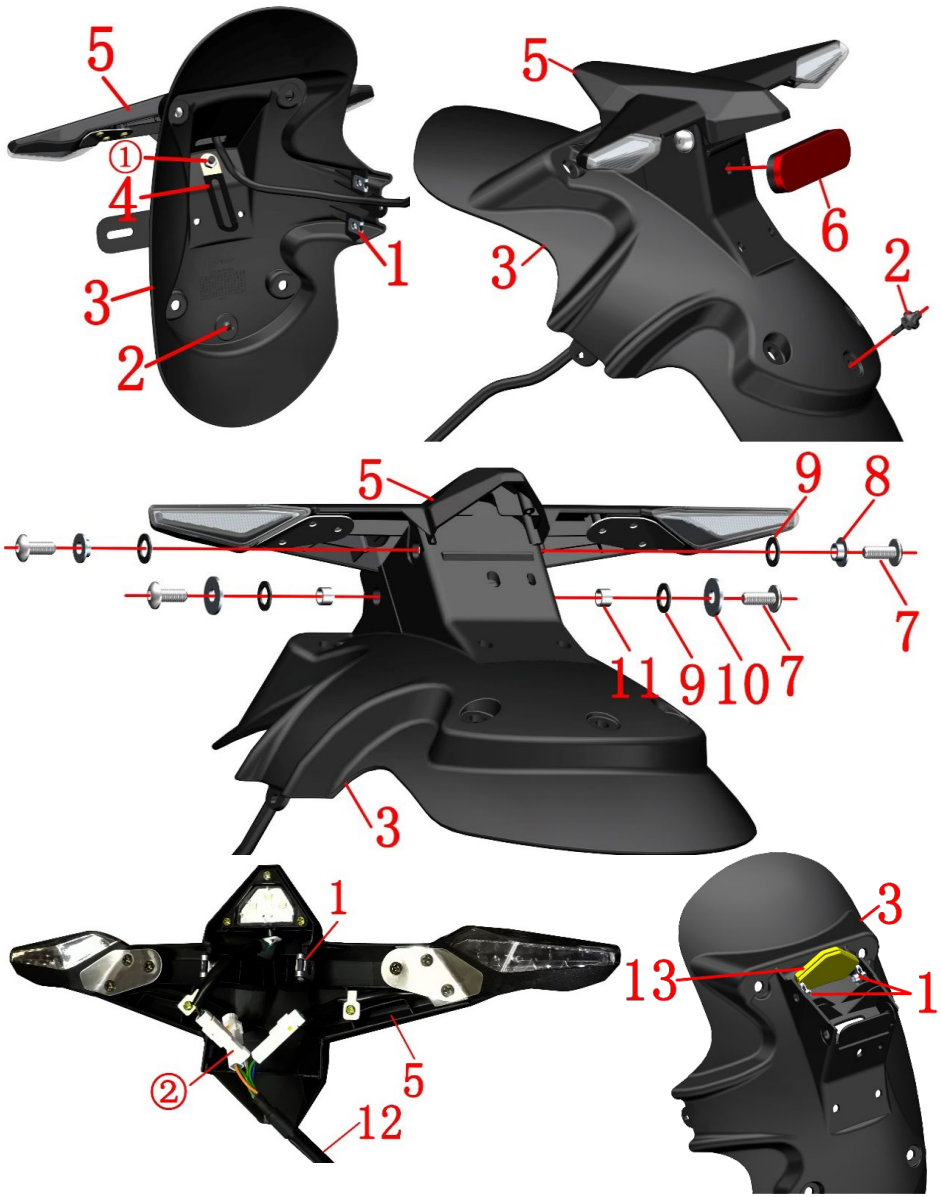


Fig.9 Rear wheel, swinging arm assembly		Rear auxiliary mud plate component 3	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251300-063093	Splint M6×11×15 (environmental color)	6	
2	1244100-006000	ZT250-S rear license plate cushioning rubber	1	
3	1224200-109000	ZT310-V rear mud plate fende	1	
4	1270300-273000	Φ8 line clamp (L = 73)	1	
5	1174200-035000	ZT310 rear turn light (including license plate light)	1	
6	1174100-002000	ZT250-S rear reflector	1	
7	1251100-102000	Non-standard bolt M6×16 (304 stainless steel)	4	
8	1274100-057095	Flanging bushing φ6.2×φ8.4×3.5+φ14×1.5	2	
9	1244100-052000	Buffer rubber of flanging bushing (φ8.5×φ14×1)	4	
10	1250502-010093	GB96.1φ6 (environmental color)	2	
11	1274100-018000	ZT250-S muffler anti-scalding bushing	2	
12	1184200-030000	ZT310-R Associate fender transfer cable (L = 2000)	1	
13	1244200-082000	ZT310 Rear auxiliary mud board retaining rubber plug	1	

PROCEDURE:

●Back reflector, license plate cushion rubber

Flip to the back, Using 10# sleeve 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

Using 4# inner hexagon socket 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). 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 leftGreen + orange; right turn signal is green + blue; license plate light is green + pink.

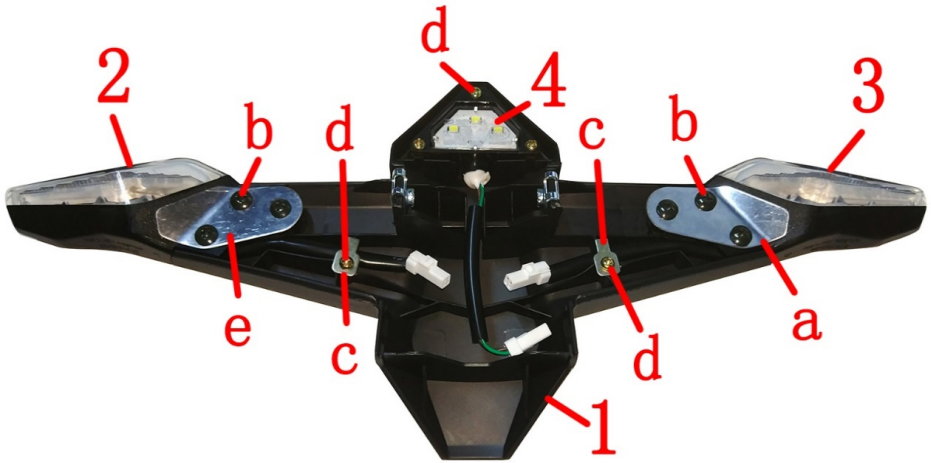


Fig.10 Rear wheel, swinging arm assembly		Rear turning light parts for after sales service	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224200-120000	ZT310 rear turning light holder	1	
2	1174200-019000	ZT310－X L, rear turning light	1	
3	1174200-020000	ZT310－X R, rear turning light	1	
4	1174200-021000	ZT310－X license lamp	1	

PROCEDURE:

●Rear turning light（license lamp included）

Grip the rear turning light holder (1) then disassemble bolts "d" on the license lamp (4).

Disassemble bolts "b" and "d" on the diagram left side, and then dismantle left press line plank of "e" and press line plank "c", dismantle the L, rear turning light (2) ;follow the steps above dismantle right press line plank of "a" and press line plank "c".

CAUTION:

●Avoid fasterning the bolt on the cable while reassembling in case of shrt circuit.

ZT310－X Rear left turn signal

ZT310－X Rear right turn signal

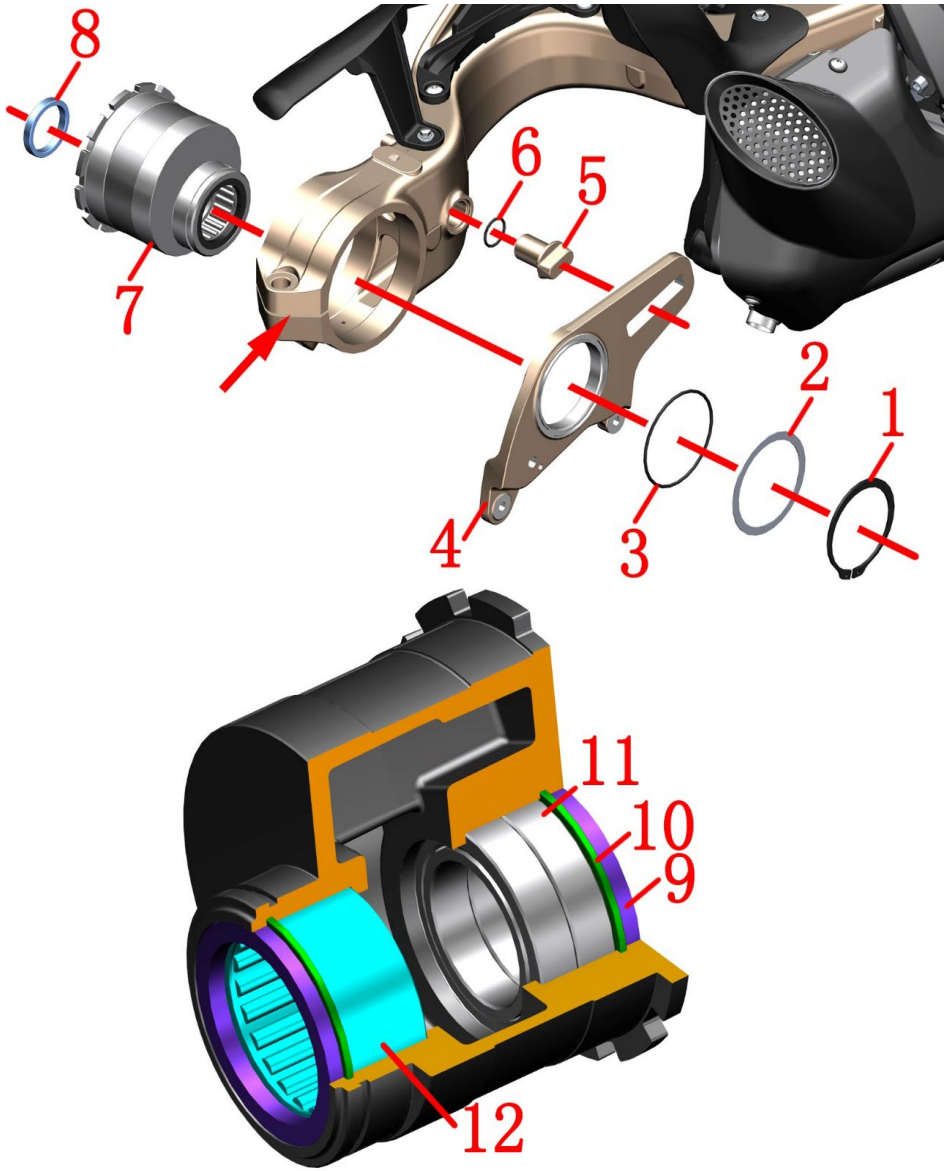


Fig.11 Rear wheel, swinging arm component		Chain adjuster assembly	CHK / ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250700-009000	Shaft type A circlip φ75×2.5	1	
2	1251500-096000	φ90×φ76×1 washer	1	
3	1244200-105000	O-ring φ80×2.65 (inner diameter×wire diameter)	1	
4		Single rocker rear disc brake mounting plate	1	
5		Single rocker rear disc brake mounting plate limit block	1	
6	1244200-066000	O-ring seal (φ22.2×2.4)	1	
7	4024200-046000	Single rocker eccentric chain adjuster assembly	1	
8	1274100-104000	Bushing Φ50×Φ40×7.5	1	
9	1244200-044000	ZT310 single rocker arm Φ50×Φ62×5 oil seal	2	Eccentric chain adjuster assembly after sale
10	1250700-008000	Hole type A circlip φ62×2	2	
11	1250601-094000	GBT 276-61908-2RS/P6 deep groove ball bearing	2	
12	1250602-034000	NK50/25 needle roller bearing	1	

PROCEDURE:

●Disc brake mounting plate

First remove the retaining ring with the shaft circlip (1); then remove the washer (2) and O-ring (3);and finally remove the disc brake mounting plate (4).

Take the lower limit block (5) and remove the seal ring(6).

●Chain adjuster assembly

After removing the bushing (8) remove the chain adjuster assembly(7) from the rear fork. If you have difficulty removing it, you can use a flat-blade screwdriver to insert the slot at the arrow indication, and you can open it with a little force.

●Chain adjuster assembly bearing maintenance

It is recommended to inspect, maintain and clean the bearings every 6,000 km. After removing the chain adjuster assembly according to the previous steps, clean the bearings inside with gasoline or diesel. Carefully check the bearings for damage, smooth rotation, and noise. After confirming the pass, wipe it with a clean, lint-free cloth and re-apply the grease evenly on the bearing.

CAUTION:

●It is recommended to inspect, maintain and clean the bearings every 6,000 km.

●If the disassembled chain adjuster assembly is inspected before the reassembly, carefully check whether the oil seal is damaged; the bearing needs to be pressed into place.

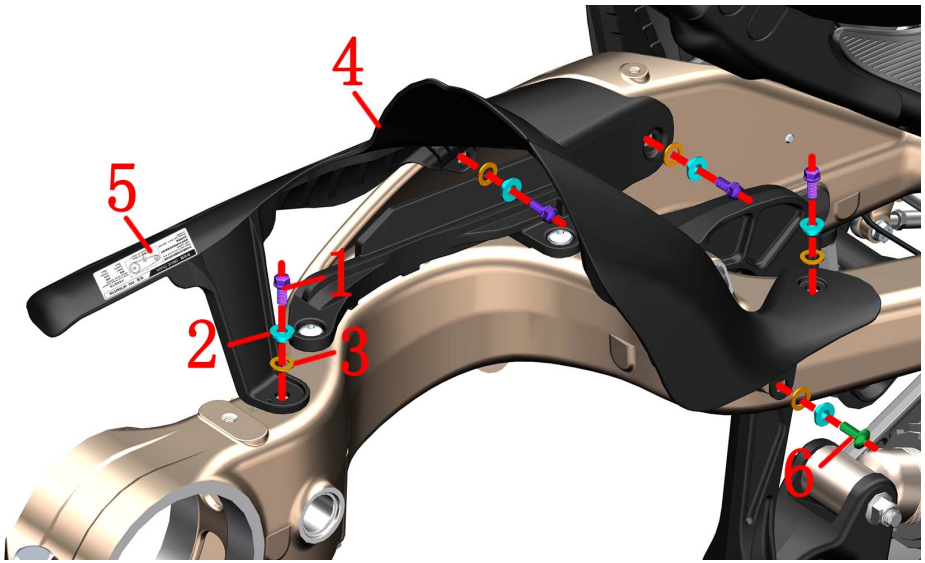


Fig.12 Rear wheel, swinging arm component		Rear mud board	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250104-006097	GB16674M6×12（chromed/HH）	4	
2	1274100-057095	Flanging bushing φ6.2×φ8.4×3.5＋φ14×1.5	5	
3	1244100-052000	Buffer rubber of flanging bushing （φ8.5×φ14×1）	5	
4	1224200-201000	ZT310－VX rear mud board	1	
5	1210342-449000	ZT310-X1 chain decal	1	
6	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	1	

PROCEDURE:

●Rear mud board

Use 8# sleeve to remove bolt (1) on the upper right side, remove the bushing (2) and the cushion rubber (3).

Remove the bolt (6) on the lower right side with a 4# inner hexagon, and remove the bush (2) and the cushion rubber (3).

Using 8# sleeve remove the bolt (1) on the inside of the left inner side and remove the bushing (2) and the cushion rubber (3).

Using 8# sleeve remove the bolt (1) at the rear left side and remove the bushing (2) and cushion rubber (3).

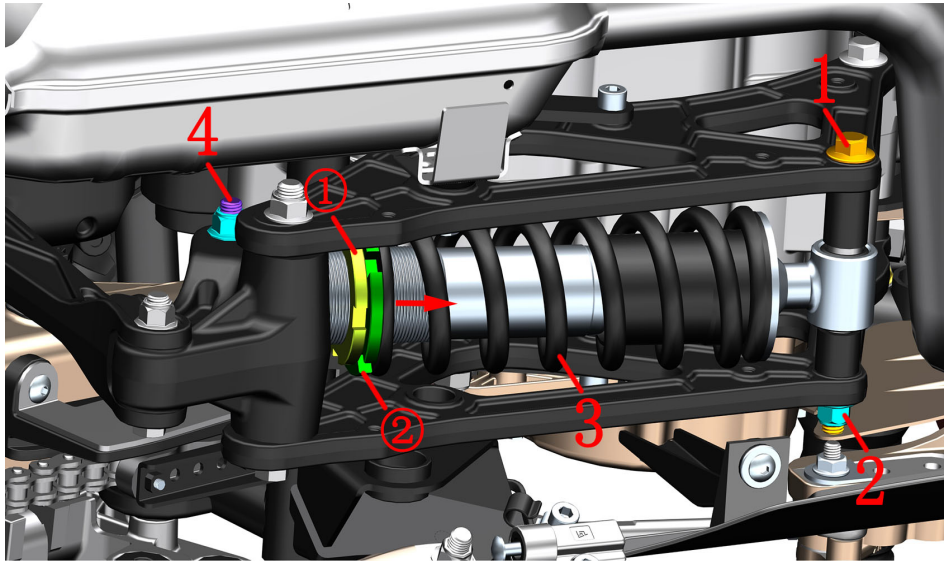
Hold the rear inner mud plate (4), use an 8# sleeve to remove the bolt (1) on the upper middle of the left side, and remove the bush (2) and the cushion rubber (3).

The chain decal (5) can be heated back and forth by a hot air gun, and the applique is torn off from the inner mud plate after the heat viscosity is lowered.

CAUTION:

●When heating and tearing the applique, be careful not to align the same part for a long time to prevent damage to the inner mud board.

●The muffler assembly and lower shroud assembly must be removed in advance.



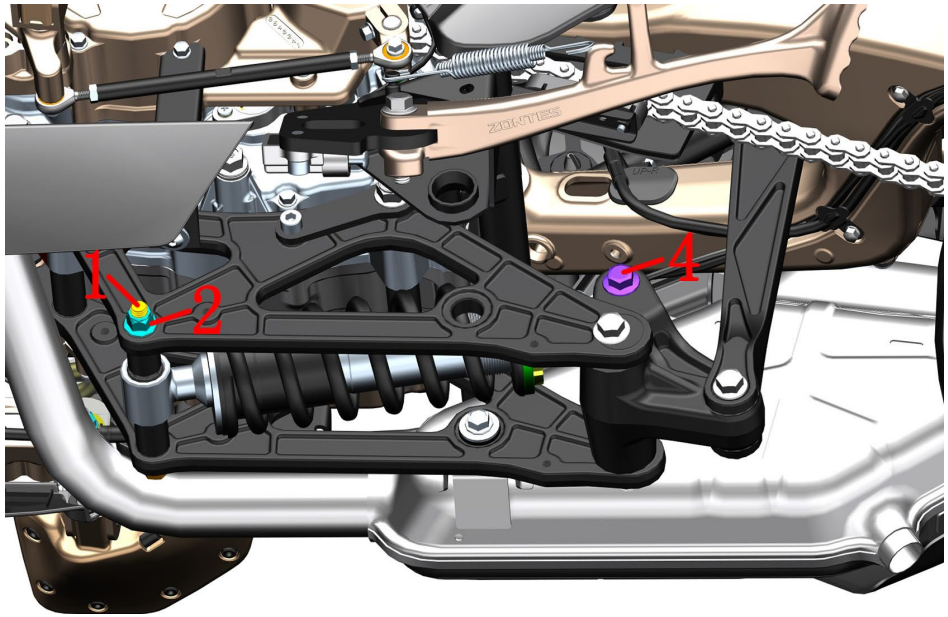


Fig.13 Rear wheel, swinging arm component		Rear shock absorber	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-261000	Non-standard bol M10×1.5×127（Dacro）	1	
2	1251300-057093	Non-standard bolt M10×1.5（Dacro）	2	
3	1114200-022000	ZT310－VX Rear shock absorber	1	
4	1251100-085093	Non-standard bolt M10×1.5×75（Dacro）	1	

PROCEDURE:

●Rear shock absorber

Tilt the body to the left with the side bracket as the fulcrum, and then use a firm stool to support the muffler back pressure package to keep the rear wheels off the ground. The front disc brake handle can be tied with a cable tie to prevent the motorcycle from running forward. Support the entire motorcycle before proceeding to the next step.

One person uses 14# sleeve to hold the head of bolt (1) or (4), and one person uses 14# sleeve to remove nut (2). Remove the rear shock absorber (3) from the motorcycle.

●Adjust the rear absorber

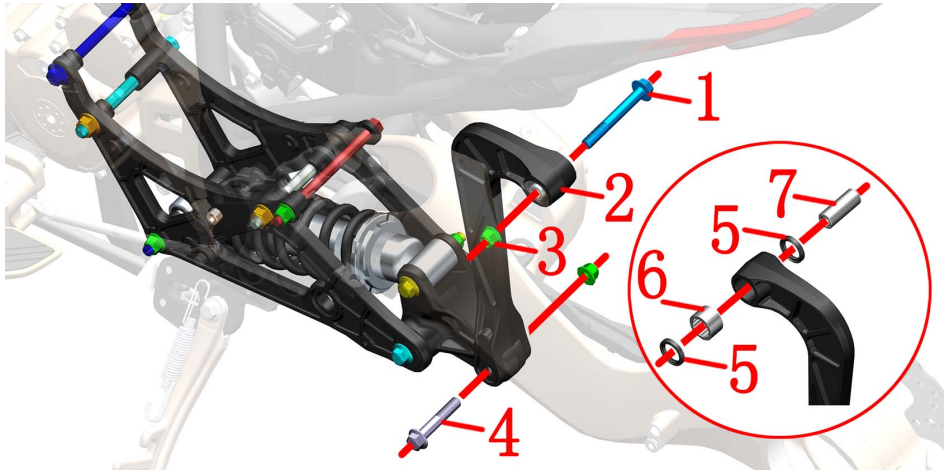
Use hook wrench to loosen adjustable nut① and rotate adjustable nut②. If the nut is rotated towards the arrow direction, the spring becomes harder. Conversly, the absorber is softer. Tighten the adjustive nut① until the absorber is under suitable status. Please adjust in a reasonable range, riding experience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

CAUTION:

●The rear shock-absorbing connecting rod plate must be disassembled in advance.

●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.



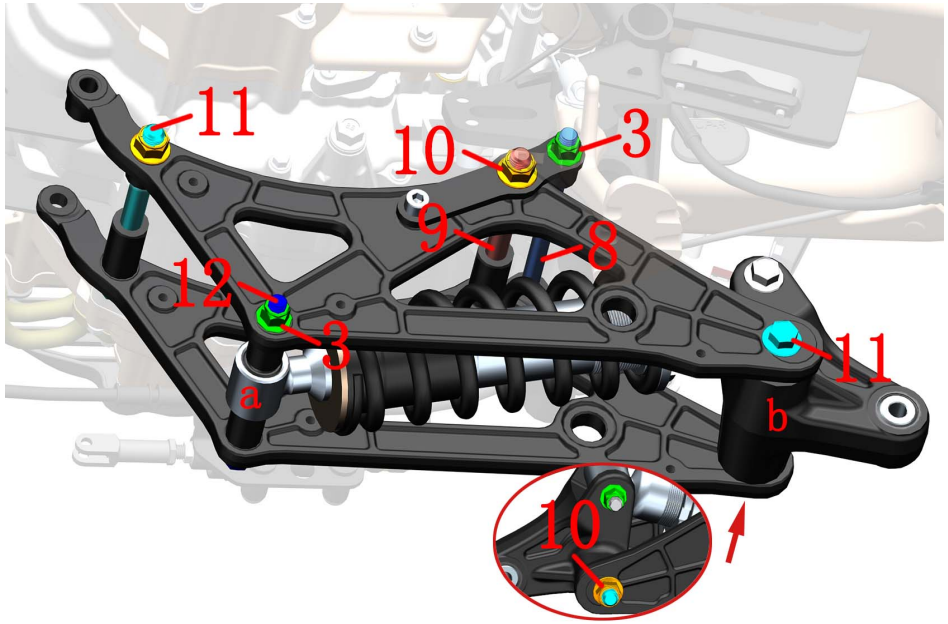


Fig.14 Rear wheel, swinging arm component		Rear shock absorber rod assembly 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-132003	Non－standard boltsM10×1.5×80 (dacromet)	1	
2	4024200-092000	ZT310-VX rear flat fork connecting rod assembly	1	
3	1251300-057093	Non－standard nut M10×1.5(dacromet)	4	
4	1251100-291000	Non－standard boltsM10×1.5×55(dacromet)	1	
5	1244200-130000	ZT310 rear shock absorber KRH oil seal	2	after-sale
6	1250602-038000	ZT310 rear shock absorber KRH needle roller bearings	1	
7	1274200-306000	ZT310 rear shock absorber needle roller bearing bush	1	
8	1251100-295000	Non－standard boltsM10×1.5×137(dacromet)	1	
9	1251100-296000	Non－standard boltsM12×1.25×137(dacromet)	1	
10	1250305-009091	GB6187.1M12×1.25(White zinc)	3	
11	1251100-262000	Non－standard boltsM12×1.25×127(dacromet)	2	
12	1251100-261000	Non－standard boltsM10×1.5×127(dacromet)	1	

PROCEDURE:

●Rear flat fork link

Tilt the body to the left with the side bracket as the fulcrum, and then use a firm stool to support the muffler back pressure package to keep the rear wheels off the ground. The front disc brake handle can be tied with a cable tie to prevent the bike from running forward. Support the entire bike before proceeding to the next step.

Use 14# sleeve to fix the head of bolt (4) and then use 14# sleeve to remove nut (3), do not remove bolt (4) first.

Use a 14# torx wrench to fix the nut (3) and then use a 14# sleeve to remove the bolt (1).

Grasp the rear flat fork connecting rod assembly (2), pull out the bolts (1) and (4), and then remove the connecting rod assembly.

Remove the bushing (7).

The oil seal (5) and needle roller bearing (6) on the rear flat fork connecting rod assembly (2) are all press-fitted by interference pressure. If there is no malfunction, it is not recommended to disassemble it by yourself.

●Rear shock absorber connecting rod assembly

Refer to the steps of removing the front left and right foot support, lower air deflector assembly and lower air deflector right bracket first to remove the parts that obstruct the shock absorption assembly after removal.

After fixing the head of bolt (9) with a 14# sleeve, remove the nut (10) with a 17# torx wrench, and remove the bolt (9).

Use a 14# sleeve to fix the head of bolt (11) at b and use a 17# torx wrench to loosen 3 to 5 threads of nut (10).

Use a 14# sleeve to fix the bolt at a point (12) head and then use a 14# torx wrench to remove the nut (3) 3 to 5 threads.

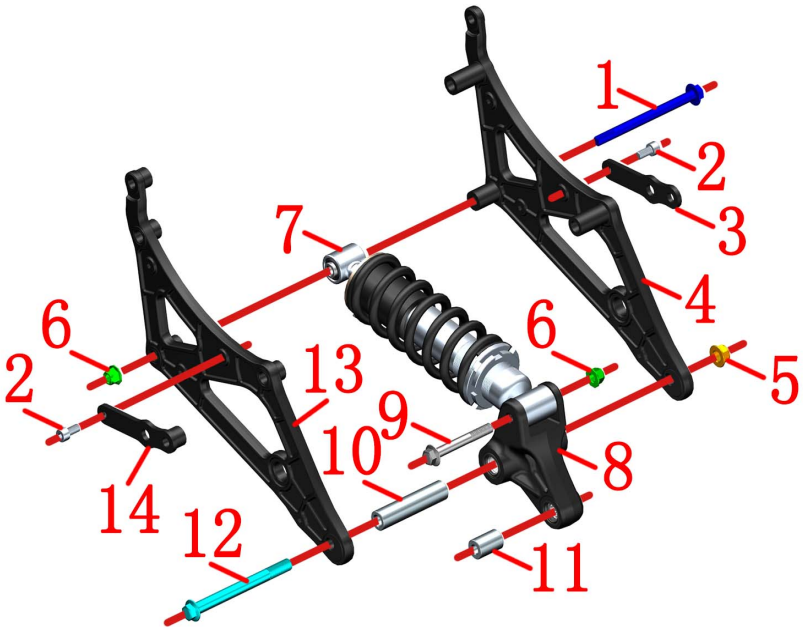
Use a 14# sleeve to fix the head of bolt (8) and then use a 14# torx wrench to remove nut (3) without removing bolt (8).

Use a 14# sleeve to fix the head of bolt (11) and then use a 17# torx wrench to remove nut (10) without removing bolt (11).

After holding the rear shock absorber assembly, remove bolt (8) and bolt (11), and remove the rear shock absorber assembly from the car.

CAUTION:

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



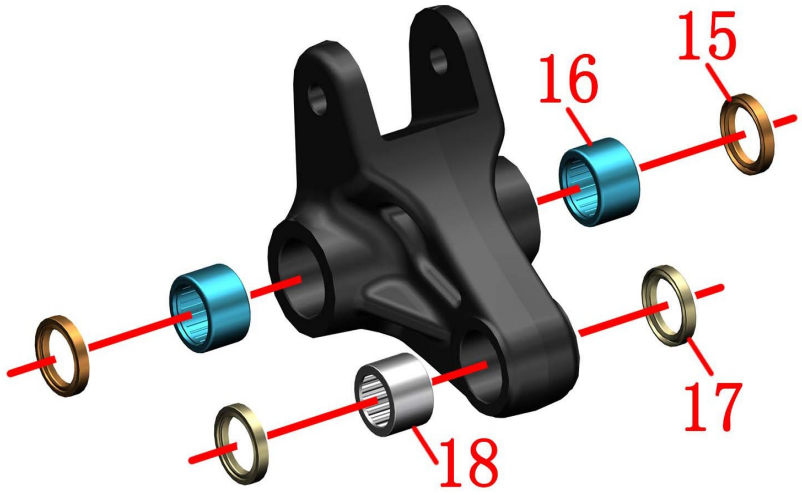


Fig.15 Rear wheel, swinging arm component		Rear shock absorber rod assembly 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-261000	Non－standard bolts M10×1.5×127(dacromet)	1	
2	1250205-040095	GB70.1 inner hex bolt M8×16(color Zinc)	2	
3	1274200-315000	ZT310－VX lower connecting rod right bracket	1	
4	4024200-067000	Rear shock absorber lower bracket right reinforcement plate	1	
5	1250305-009091	GB6187.1M12×1.25 (White zinc)	1	
6	1251300-057093	Non－standard nut M10×1.5(dacromet)	2	
7	1114200-022000	ZT310－VX rear shock absorber	1	
8	4024200-093000	ZT310-VX rear flat fork connecting rod assembly	1	
9	1251100-291000	ZT250－S needle bearing (HK2016)	1	
10	1274200-282041	Rear shock absorber connecting rod rear bushing	1	
11	1274200-281041	Rear shock absorber connecting rod front bushing	1	
12	1251100-262000	Non－standard bolts M12×1.25×127(dacromet)	1	
13	4024200-068000	Rear shock-absorbing lower bracket left reinforcing plate	1	
14	1274200-314000	ZT310－VX lower connecting rod left bracket	1	
15	1104100-005000	ZT250－S oil－sealed TC20×26×4	2	Rear shock absorber connecting rod assembly(After-sales parts)
16	1094100-001000	ZT250－S needle bearing (HK2016)	2	
17	1244200-130000	ZT310 rear shock absorber KRH oil seal	2	
18	1250602-038000	ZT310 rear shock absorber KRH needle roller bearings	1	

PROCEDURE:

●Rear shock absorber connecting rod assembly

Remove the front bushing (11).

Use 6# inner hexagon to remove bolt (2) to remove the connecting rod right bracket (3) and left bracket (14).

Use a 14# sleeve to fix the head of bolt (9) and then use a 14# torx wrench to remove nut (6) without removing bolt (9).

Use a 14# sleeve to fix the bolt (12) head and use a 17# torx wrench to loosen the nut (5) without removing the bolt (12).

Use a 14# sleeve to fix the bolt (1) head and use a 14# torx wrench to remove the nut (6).

After removing bolts (9) and (12), disassemble the right reinforcing plate (4), rear shock absorber (7), rear shock absorber connecting rod assembly and left reinforcing plate (13).

Remove the rear bushing (10) from the rear shock-absorbing connecting rod assembly (8).

Remove the rear bushing (10) from the rear shock-absorbing connecting rod assembly (8).

CAUTION:

●Appropriate amount of grease can be added to reduce resistance at the needle bearing.

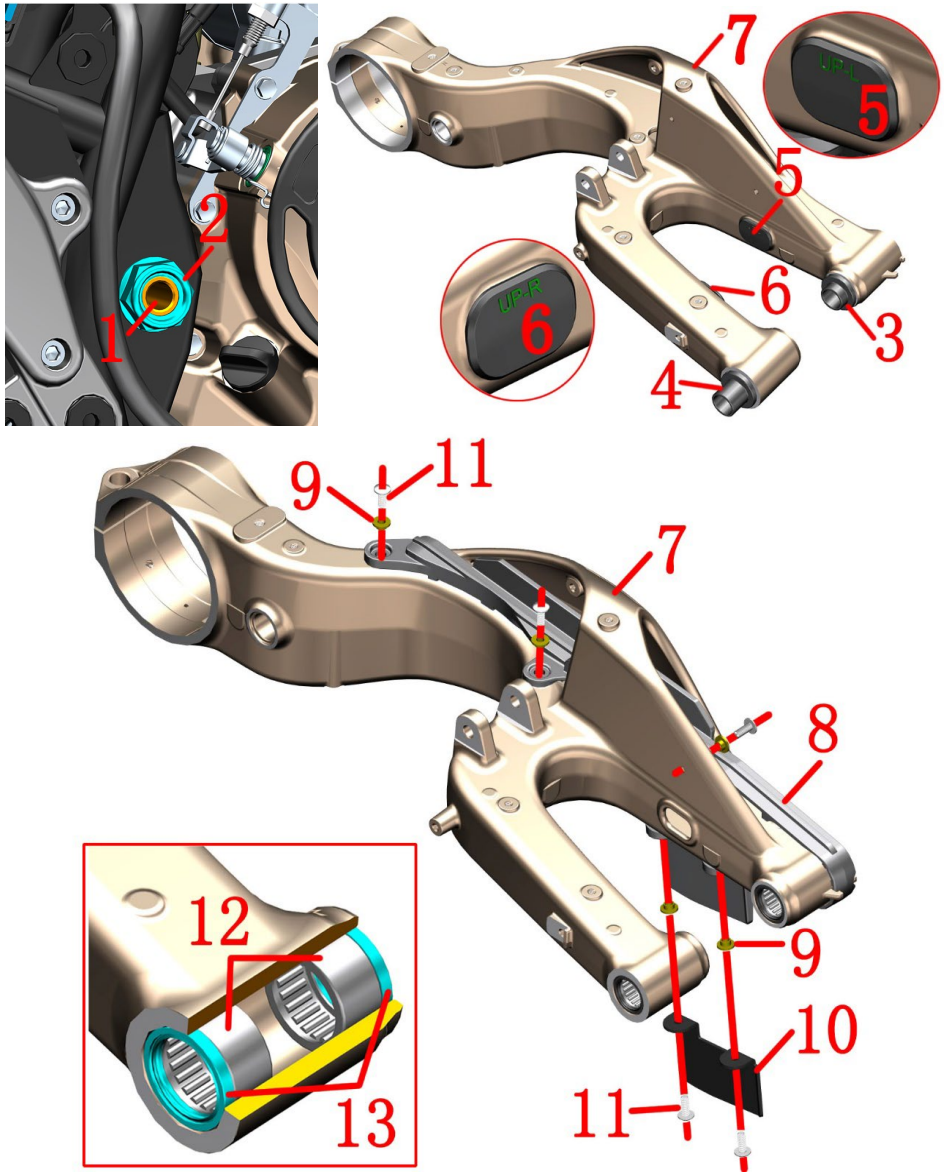


Fig.16 Rear wheel, swinging arm component		Rear wheel assembly	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1094200-009000	ZT310－V rear flat fork hollow shaft	1	
2	1251300-067000	ZT250－R rear wheel axle nut	1	110±5N.m
3	1020242-414000	ZT310－VX Left bushing of rear fork shaft	1	
4	1020242-415000	ZT310－VX Right bushing of rear fork shaft	1	
5	1244200-086000	ZT310 single rocker arm aluminum alloy flat fork left dustproof rubber plug	1	
6	1244200-085000	ZT310 single rocker arm aluminum alloy flat fork right dustproof rubber plug	1	
7		ZT310－VXsingle rocker arm aluminum alloy rear fork assembly(including bearing / oil seal)	1	
8	1244200-055000	ZT310 single arm rear fork wear block	1	
9	1274100-057095	Bush φ6.2×φ8.4×3.5＋φ14×1.5	5	
10	1274200-127000	Single arm rear fork anti-wear block fixing bracket	1	
11	1251100-102000	Non-standard Bolt M6×16	5	
12	1250602-035000	HK2516 needle roller bearing	4	Rear fork assembly after sale
13	1244200-079000	ZT310 single rocker arm Φ25×Φ32×4 oil seal	4	

PROCEDURE:

●Rear swinging arm assembly

Person 1 hold the head of rear swinging arm axle(1) with the 24# socket sleeve. Person 2 disassemble nut(2) with the 30# socket sleeve.

Person 1 hold the rear swinging arm assembly. Person 2 take off rear swinging arm after disassembling rear swinging arm axle(1) with suitable tool.

Remove the bushing(3) and (4), the left dust-proof rubber plug(5), and the dust-proof rubber plug (6) from the rear fork assembly.

●Abrasionproof block of rear swinging arm

Remove the five bolts (11) and the flange bushing (9) with the 6# hexagon socket tool and remove the fixing bracket (10)and the wear-resistant block (8) from the rear fork assembly (7).

●Rear fork after sale

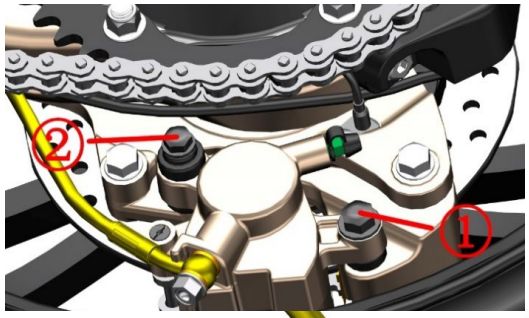
The oil seal (13) and the needle bearing (12) are used for interference compression. Please ensure that they have the ability to disassemble and disassemble.

CAUTION:

●Remove the rear shock-absorbing linkage assembly, rear inner mud plate, rear wheel assembly, side cover, seat cushion, etc. in advance.

●It is strictly forbidden to hit the threaded part of the rear axle with a hammer.

●The left dust-proof rubber plug is stamped with "UP-L", and the right dust-proof rubber plug has "UP-R"; pay attention to the installation direction.



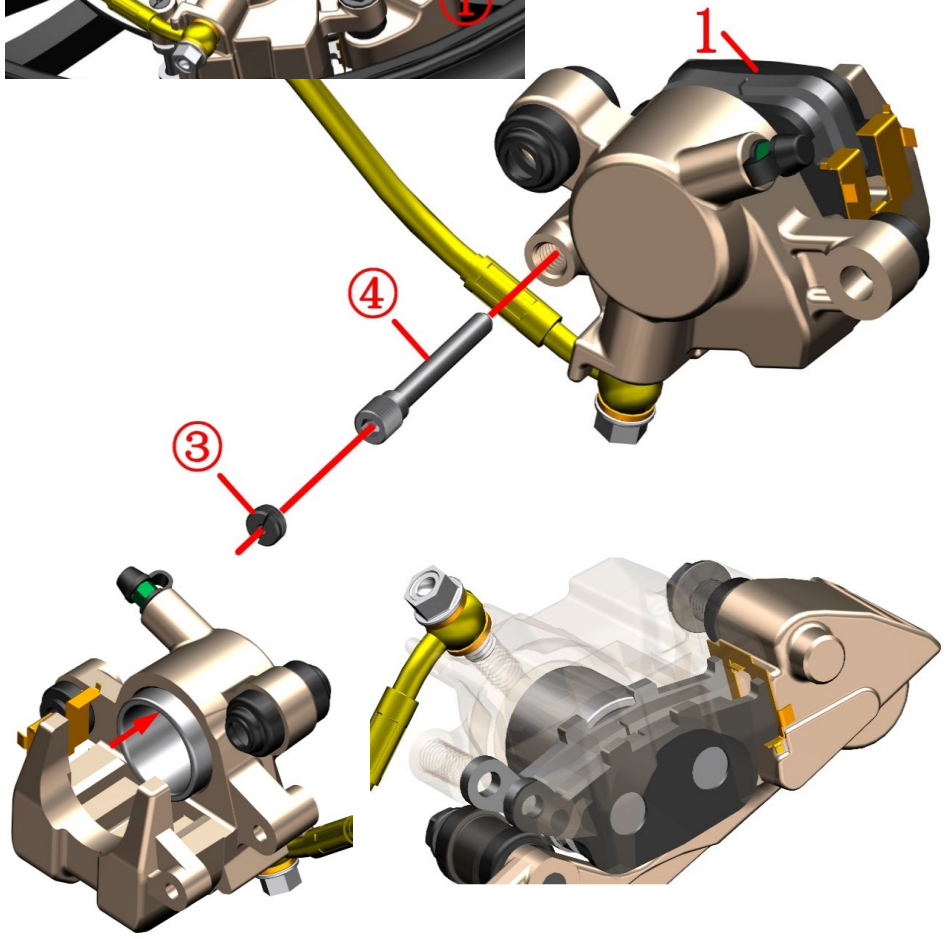


Fig.17 Rear wheel, swinging arm assembly		Change rear brake arresters	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1100100-092000	ZT250－S rear disc brake arrester(HS10)	1	

PROCEDURE:

●Disassemble disc brake arrester

Loosen the upper slide shaft① with a 14 mm sleeve.

Loosen the lower slide shaft② with a 12mm wrench.

Remove the slide shaft and remove the rear brake caliper.

Use strait screwdriver to disassemble nut③.

Tighten the pin axle④ with 5mm hex socket tool.

Take off rear disc brake arrester(1).

●Change rear disc brake arrester

Put the piston of clamp towards the direction of arrow to the end. See photo left below. To reduce resistance, you can disassemble the cross bolt on rear disc brake main pump oil cup. Take off the top cover and sealing gasket. Remember to rebound the pister afterwards.

The new arrester must fit tightly the slot. See photo right below.

Tighten the pin axle④ with 5mm hex socket tool.

Tighten nut③ with strait screwdriver.

Tighten the pin axle① with 14mm hex socket tool.Torque is 34N.m.

Use a 12mm wrench to lock the lower slide shaft ②.

Step on braking pedal several times until braking force is recovered.

CAUTION:

●Check regularly the arrester and disc brake plate status.

●To change arresters in qualified mainenance spot are suggested.

●After changing the arrester, adjust the height of braking pedal according to "Foot pedal, gear shift rod assembly" if necessary.

●It needs running-in for about 300km after changing new arresters. During this period, leave enough braking distance while riging.

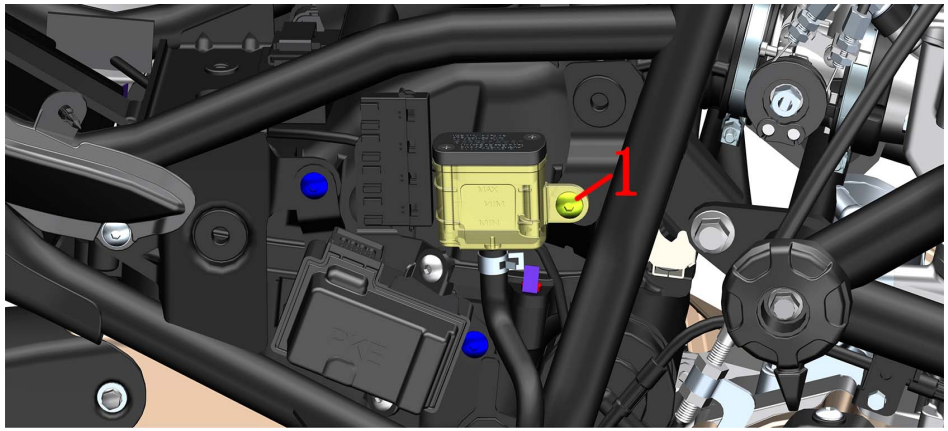
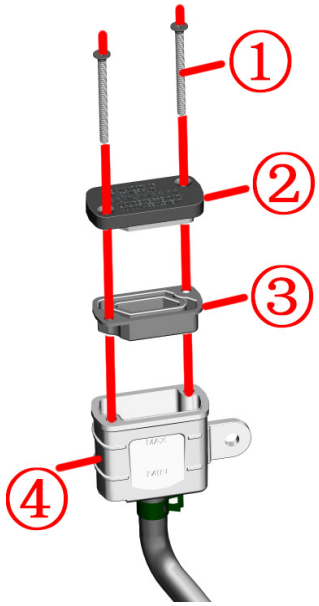


Fig.18 Rear wheel, swinging arm assembly		Rear disc brake main pump adding braking liquid	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non-standard Bolt M6×16	1	



PROCEDURE:

●Add disc brake liquid

Remove the seat cushion and the right side cover first; remove the bolt (1) with 4# inner hexagon.

Pull out the oil cup④; Should always remain above the oil tube interface, parallel to the ground. Avoid braking failure caused by air getting into the oil circulation. Disassemble bolt① with cross screwdriver.

Take off oil cup cap②, sealing gasket③.

Keep the top of oil cup④ parallel to the ground. Add DOT4 braking liquid. Ensure the liquid level is between "UPPER" and "LOWER".

While reassemble, pay attention install sealing gasket③ in correct position and direction.

Step gently on the pedal constantly. Do not ride the motorcycle until the braking force is recovered.

CAUTION:

●Support the motorcycle well on flat ground before checking.

●Check regularly if the braking liquid surface is between "UPPER" and "LOWER".

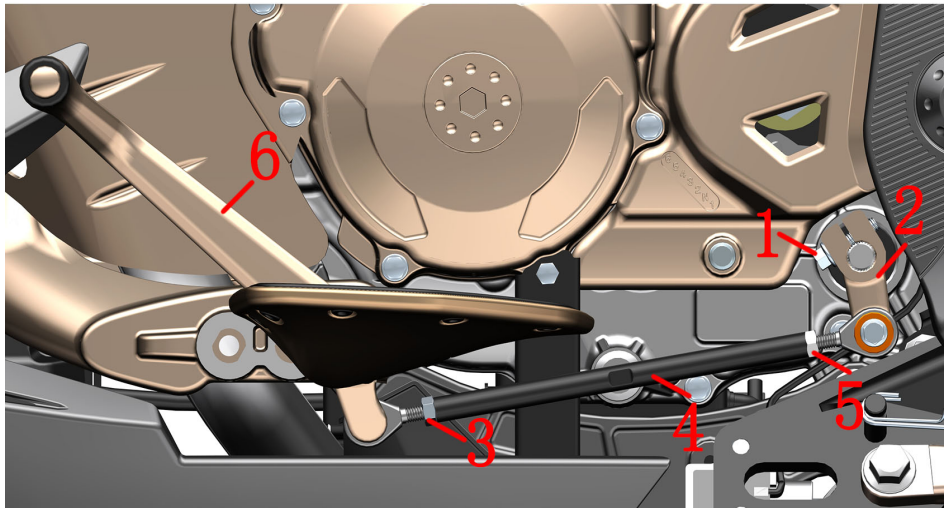
●If liquid surface is below "LOWER", check the arrester status and confirm if the braking system is leaking.

●If the braking liquid is accidently swallowed, contact intoxication center or hospital immediately. If it gets into the eye, wash it away with clean water then see the doctor.

●Keep the braking liquid far away from children and pets.

●Flush the oil cup directly with high pressure water is prohibited.

●Mixing water, dust, impurity and liquid of silicic acid or petrol series into the braking liquid is prohibited. Otherwise, the braking system would be damaged.



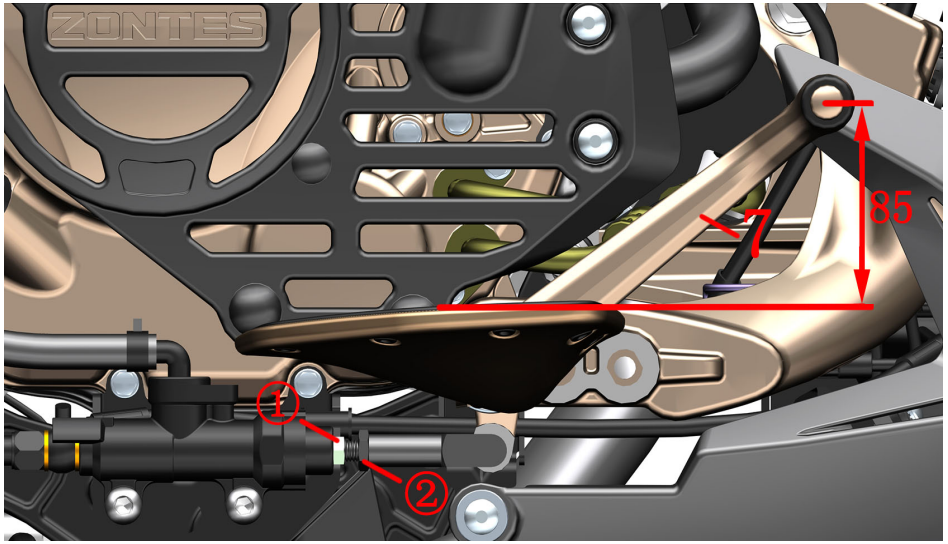


Fig.1 FOOT PEDAL COMPONENT		Adjust the hight of foot pedal	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-061093	M6×22 Hexagon flange bolt 8.8 degree	1	
2		ZT250－S Gear swift rod spline of Rocker arm	1	
3	1250301-020093	GB6170 M6（environmental color-zinc）	1	
4	1274100-041000	ZT250－S shift lever adjustment screw	1	
5	1250301-018093	GB6170 M6－LH（environmental color-zinc）	1	
6		ZT310－VX gear lever rocker arm	1	
7		ZT310－VX brake pedal	1	

PROCEDURE:

●Adjust the height of gear shift rod

Use an 10# open-end wrench to loosen the nut (3) ,and nut (5) respectively. Use 8# open spanner to adjust the gear shift rod (4) adjustment bolt until the height becomes suitable. Then tighten the nuts. If the above-mentioned method can not adjust the gear shift rod to a satisfying position, take off bolt (1) and adjust gear shift rod spline of rocker arm (2) with a straight screwdriver by shoving a little bit the groove in the middle while dragging it out. Reassemble after the height is suitable. Pay attention to the aligning of the groove in the middle.

●Adjust the height of brake pedal

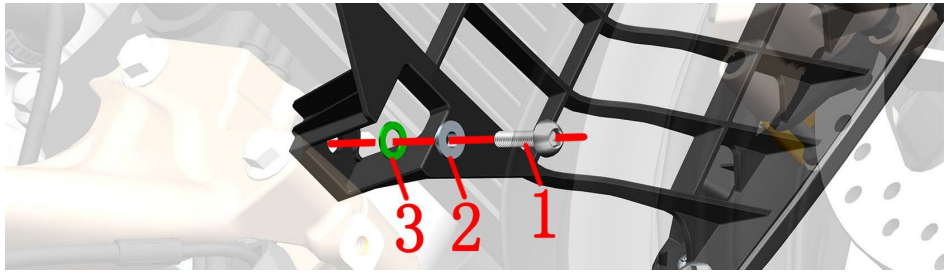
Use an 10# open-end wrench to loosen the nut②. Spin the adjustment rod bolt① and adjust the brake pedal(7) to 85mm up to the top pedal (8). Fix the adjustment rod bolt① and tighten Nut②.

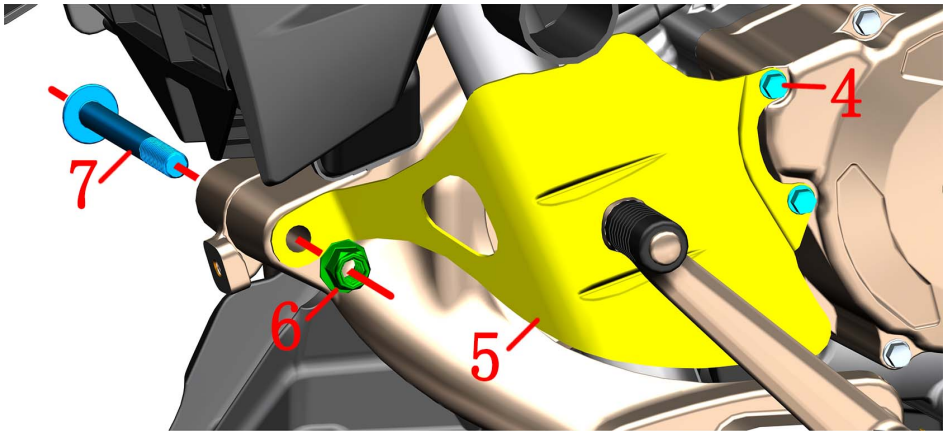
CAUTION:

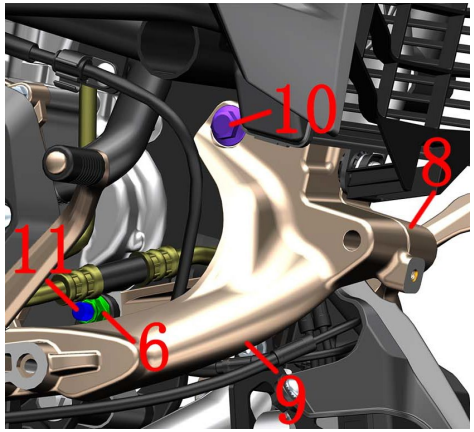
●Ensure the motorcycle is well supported during manipulation. Avoid falling accident.

●The height of gear shift rod should be ajusted to a suitable range. Otherwise the riding experience would be influenced.

●The height of brake pedal should be ajusted to a suitable range. Otherwise the durance of braking shoe and plate would be influenced. In severe case, ineffective braking is possible.







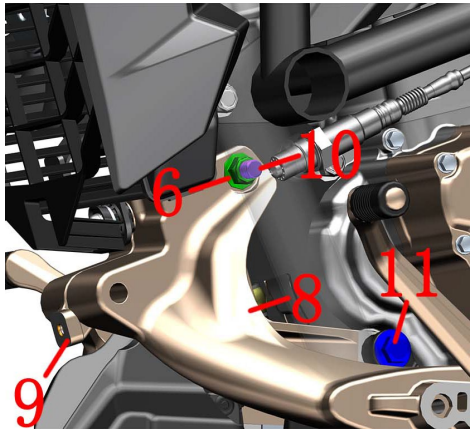


Fig.2 FOOT PEDAL COMPONENT		Front right pedal mounting position adjustment 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-121093	Non-standard bolt M6×25(environmental color)	1	
2	1274100-057095	Flanging bushingφ6.2×φ8.4×3.5＋φ14×1.5	1	
3	1244100-052000	Buffer rubber of flanging bushing (φ8.5×φ14×1)	1	
4	1251112-005093	M6×75 hexagon flange bolt (color zinc)	2	10N.m
5		ZT310-V Muffler Left Anti-scalding Plate	1	
6	1251300-057093	Non-standard nuts M10×1.5(Dacromet)	4	65±5N.m
7	1251100-135000	Non-standard bolt M10×1.5×95(Dacromet)	1	
8		ZT310－VX front bracket of left footrest	1	
9		ZT310－VX front bracket of right footrest	1	
10	1251100-137000	Non-standard boltM10×1.5×100(Dacromet)	1	
11	1251100-261000	Non-standard boltM10×1.5×127(Dacromet)	1	

PROCEDURE:

●Front pedal bracket

Refer to the step of remove thte shroud component(No need to remove the shroud component) in the "Lower shroud component-Lower shroud component 1".

Using 6# inner hexagon socket remove the the bolts (1) under the radiator cover component,take off the bushing (2) ,buffer rubber (3) .

Grasp the anti-scalding plate (5) and use an 8# sleeve to remove the 2 bolts (4) and take it off.

Fix the head of the bolt (7) with a 14# sleeve, remove the nut (6), and remove the anti-ironing plate (5).

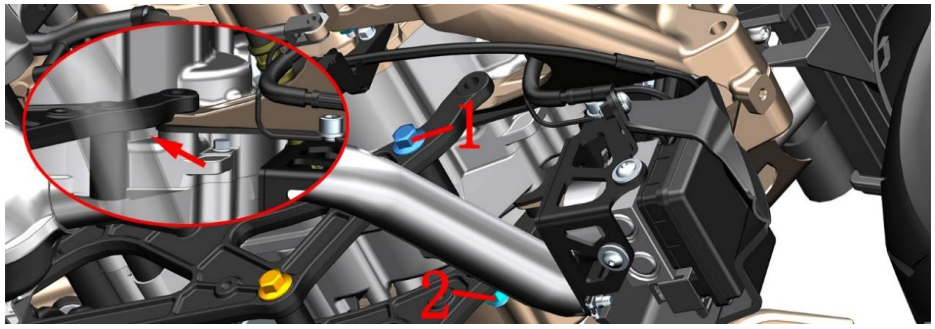
Secure the nut (6) at the a 14# sleeve with a sleeve and remove the bolt (10) from the left side with the 14# sleeve.

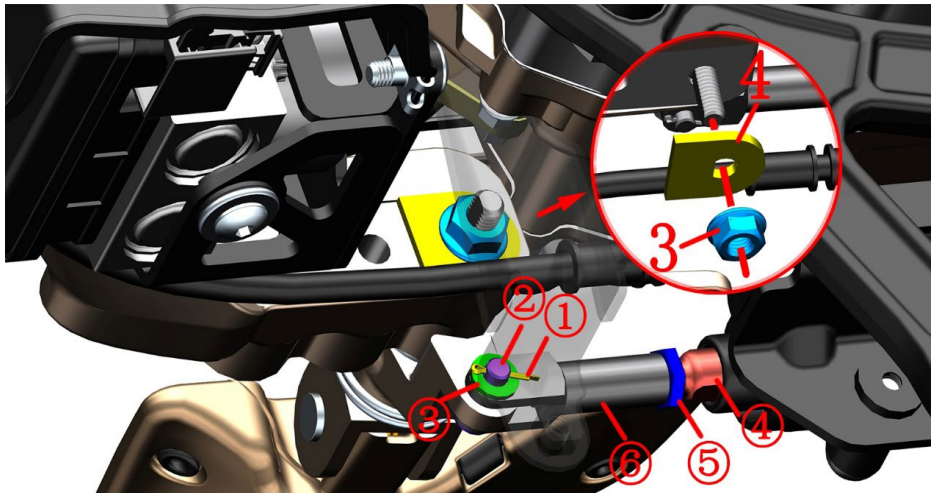
Secure the head of the bottom bolt (10) with a 14# sleeve and remove the nut (6) from the left side with a 14# sleeve. Bolts (7) and (10) are not removed first.

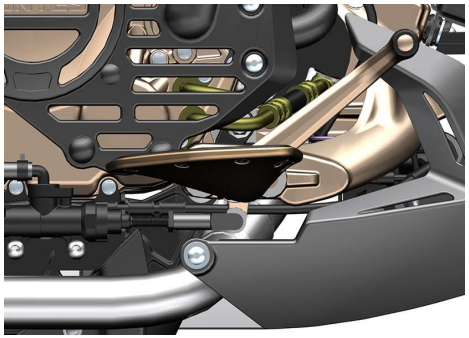
CAUTION:

●Ensure the motorcycle is well supported during manipulation. Avoid falling accident.

●The muffler should be completely cooled down before disassembly.







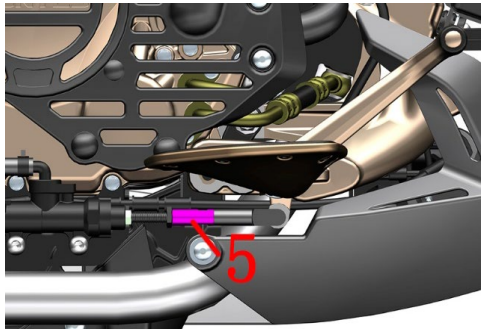


Fig.3 FOOT PEDAL COMPONENT		Front right pedal mounting position adjustment 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-261000	Non－standard boltM10×1.5×127(dacromet)	1	
2	1251300-057093	Non－standard nut M10×1.5(dacromet)	1	
3	1250303-011093	GB6177.1M8(color zinc)	1	
4	1274200-313000	ZT310－VX right foot support fixing piece	1	
5	1274200-170000	ZT310-V rear brake main pump piston push rod extension rod	1	

PROCEDURE:

●Front right pedal bracket assembly

Take the cotter pin① straight and take off it,after taking off the gasket② and then take off the pin③.

Use a short 14# sleeve or torx wrench to fix the head of bolt (1), and then use a short 14# sleeve or torx wrench to loosen the nut (2), and remove the nut (2) incompletely.

One person wraps a 10# sleeve with cloth and stretches it into the place indicated by the arrow in Figure 1 to pry off the right reinforcing plate slightly, and the other removes the front right foot support assembly from the bike. The left foot pedal bracket assembly may not be removed.

●Move forward to one mounting hole for the front right pedal.

Use a 13# torx wrench to remove the nut (3) and the fixing piece (4) on the inner side of the front right foot. support.

Install the front right foot pedal assembly component forward with a hole, align the fixing piece (4) and then tighten the nut (3), pay attention to the assembly direction of the fixing piece.

Use a 10# open-end wrench to fix the screw ④ and use a 14# open-end wrench to loosen the lock nut ⑤. Adjust the brake pedal to a suitable height with one hand and fix it. With the other hand, turn the fork joint ⑥ toward the front of the car to a suitable position, and then install the pin ③, gasket ② and cotter pin ①; Bend both feet to the sides.

Confirm the position and lock the nut ⑤. If it is not suitable to adjust the height of the brake pedal on the previous page, rotate the adjusting screw ④ to fine-tune.

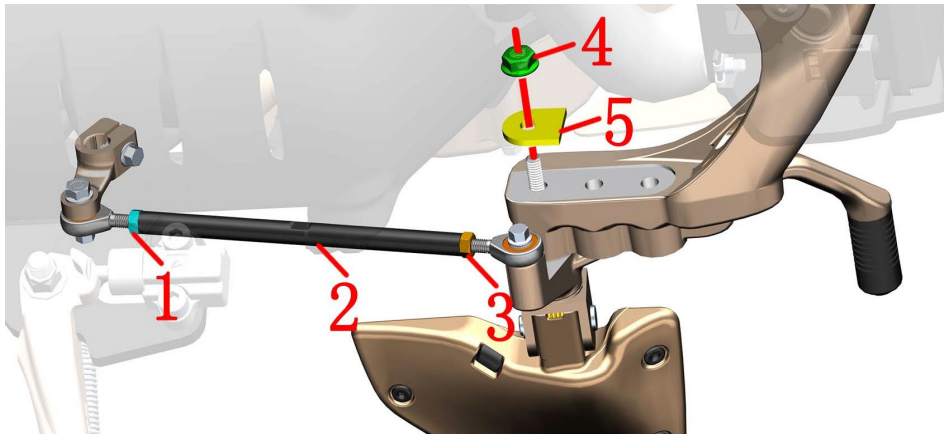
●Move forward to tao mounting holes for the front right pedal.

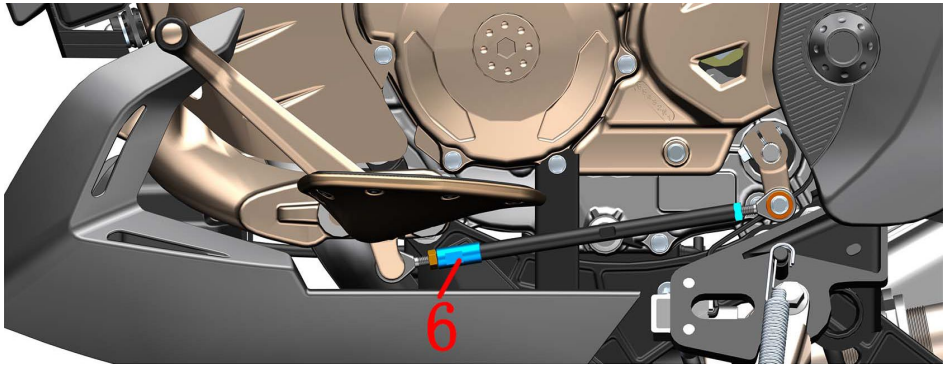
It is the same as the step of above,The difference is that an extra length rod (5) is required between the fork joint ⑥ and the lock nut ⑤. This extension is shipped with one standard per vehicle.

CAUTION:

●Ensure the motorcycle is well supported during manipulation. Avoid falling accident.

●The height of brake pedal should be ajusted to a suitable range. Otherwise the durance of braking shoe and plate would be influenced. In severe case, ineffective braking is possible.





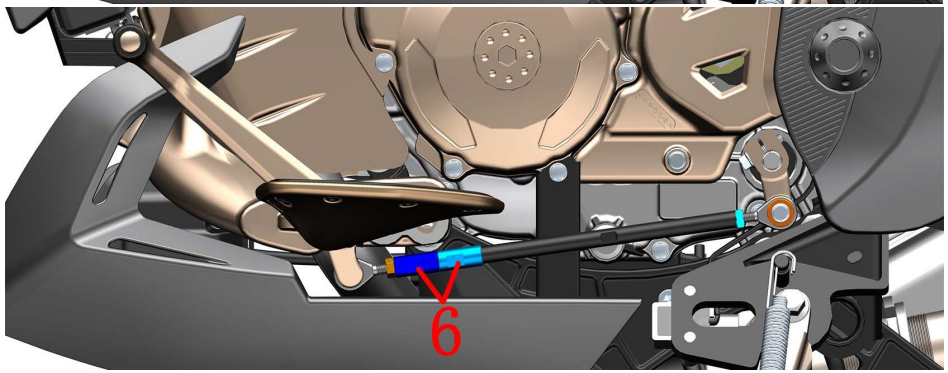


Fig.4 FOOT PEDAL COMPONENT		Front left pedal mounting position adjustment	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250301-018093	GB6170 M6-LH (army green)	1	
2	1274100-041000	Shift lever adjusting screw	1	
3	1250301-020093	GB6170M6 (environmental color)	1	
4	1250303-011093	GB6177.1M8 (color zinc)	1	
5	1274200-312000	ZT310－VX left foot support fixing piece	2	
6	1274200-035194	ZT310 front fender bushing (black zinc)	2	

PROCEDURE:

●Move front left pedal foeward

First use 8# open-end wrench fasten the groove in the middle of adjustment screw(2), and use the 10# open-end wrench to loosen the nut (1) and (3), and remove the adjustment screw (2).

Use 13# torx wrench to remove the nut (4) and the fixing piece (5) on the inner side of the front left pedal bracket, move forward to one mounting hole for the front left pedal assembly.

After the fixing piece (5) is aligned, tighten the nut (4) and then reassemble the pedal assembly. Pay attention to the assembly direction of the fixing piece

Use the 10# open-end wrench to install the bushing (5) to the adjustment screw, use 1 piece bushing (5) for 1 hole.The whole car is shipped with two bushings (5) as standard. The bushing can only be fitted to the right-hand thread side of the adjusting screw.

Rotating the adjustment screw and adjustment shift lever to the suitable position and lock the nut (1) and (3).

CAUTION:

●Ensure the motorcycle is well supported during manipulation. Avoid falling accident.

●The height of gear shift rod should be ajusted to a suitable range. Otherwise the riding experience would be influenced.

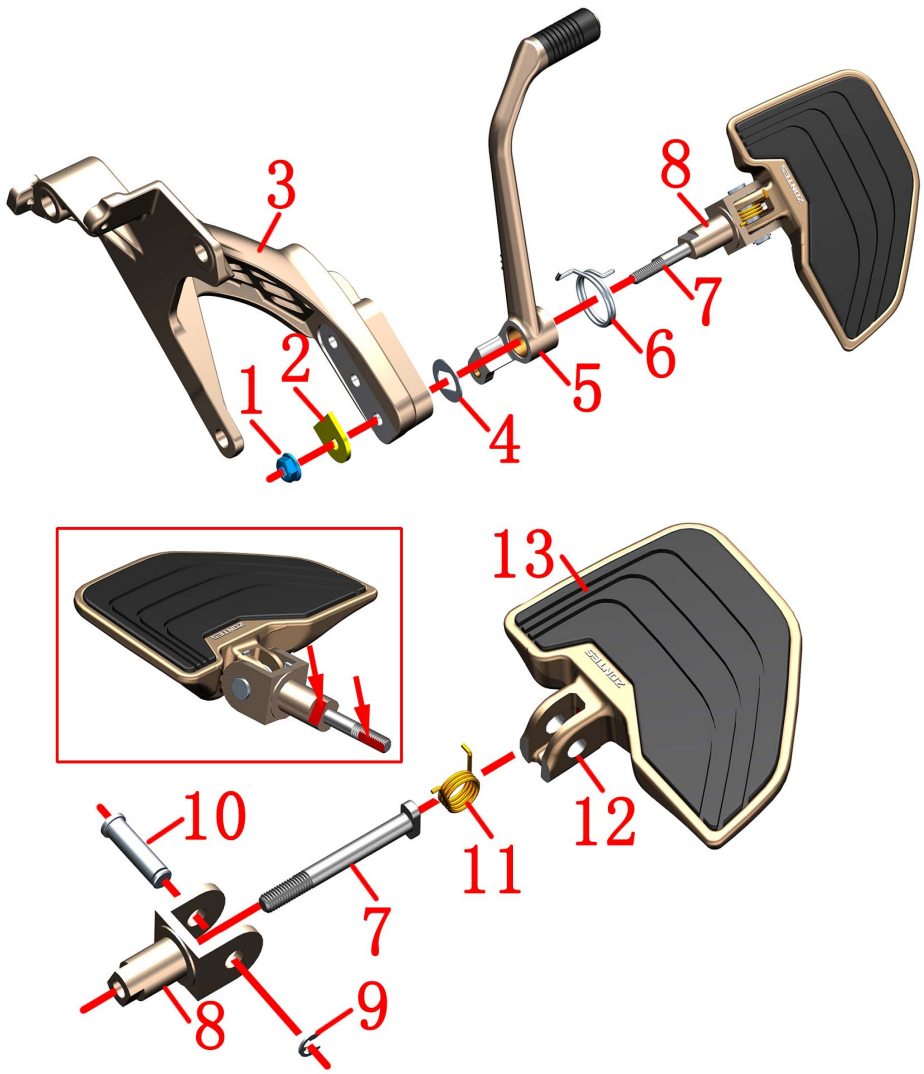


Fig.5 FOOT PEDAL COMPONENT		Front right footrest component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250303-011093	GB6177.1M8 (color zinc)	1	
2	1274200-313000	ZT310－VX right foot support fixing piece	1	
3		ZT310－VX front right foot pedal support	1	
4	1274200-322000	ZT310－VX Pedal support gasket	1	
5		ZT310－VX brake pedal	1	
6	1260100-294000	ZT310－VX Brake footrest torsion spring (color zinc)	1	
7	1251100-293000	ZT310－VX pedal non-standard bolt M8×70	1	
8		ZT310－VX right foot support	1	
9	1264100-006000	ZT250－S foot pedal pin axle	1	
10	1274100-012000	ZT250－S foot pedal spring	1	
11	1264100-004000	ZT250－S R, front pedal spring	1	
12		ZT310－VX front right foot rest	1	
13	1244200-115000	ZT310－VX front right pedal rubber pad	1	

PROCEDURE:

●Front right pedal bracket component

Refer to the steps above of removing the pedal bracket component.

Use a 13# sleeve to remove the nut (1), remove the fixing plate (2), and then remove the support spacer (4), brake pedal (5), brake pedal torsion spring (6) and the front right pedal assembly in sequence.

●Front right pedal component

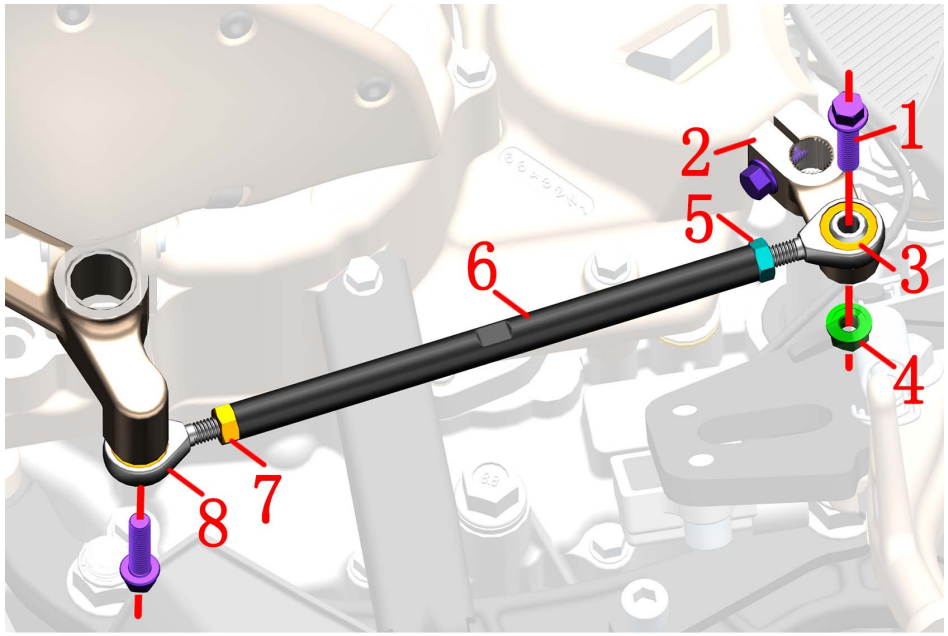
Remove the circlip (9), remove the pin (10), and separate the foot support (8), torsion spring (11), non-standard bolt (7) and the front right foot pedal assembly. Remove the rubber pad (13) from the right pedal (12).

CAUTION:

●The bearing washer and the boss of the support should be placed and assembled.

●Pedal fixed film, The pedal torsion spring and the brake pedal torsion spring pay attention to the installation direction.

●You can watch the video tutorial in "ZT310-V1 Foot Rest Assembly Video Tutorial" in the assembly video.



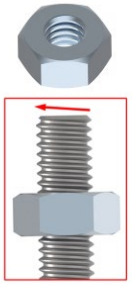


Fig.6 FOOT PEDAL COMPONENT		Shift lever assembly	CHK / ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-061093	M6×22 Hexagone flange bolt 8.8 degree	3	
2	1274100-039000	ZT250－S Gear shift rod spline rocker arm	1	
3	1274100-043000	Knuckle Bearing SALJK6C	1	
4	1250303-010093	GB6177.1M6（environmental color-zinc）	1	
5	1250301-018093	GB6170M6－LH（environmental color-zinc）	1	
6	1274100-041000	shift lever adjusting screw	1	
7	1250301-020093	GB6170M6（environmental color-zinc）	1	
8	1274100-042000	Knuckle Bearing SAJK6C	1	

PROCEDURE:

●Gear shift rod assembly

Use the 10# open-end wrench to loosen the nut (5) and nut (7) , use the 8# open-end wrench to rotate the groove of adjustment screw (6) and take it off. Take off the nut (5) and nut (7) . Using the 10# open-end wrench to fix the nut (4) then using the 8# sleeve remove the bolts (1) ,take off the bearing(3).Using the 8# sleeve remove the bolts (1) at the shift lever step rocker,take off the bearing (8). Using the 8# sleeve remove the bolts (1) ,then using a flat-blade screwdriver to pull the spline rocker arm (2) in the middle slot slightly and pull it out.

CAUTION:

●Support the motorcycle properly while disassembling in case it falls down.

●Pay attention to distinguishing the nuts at both ends of the knuckle bearing and the adjustment screw.

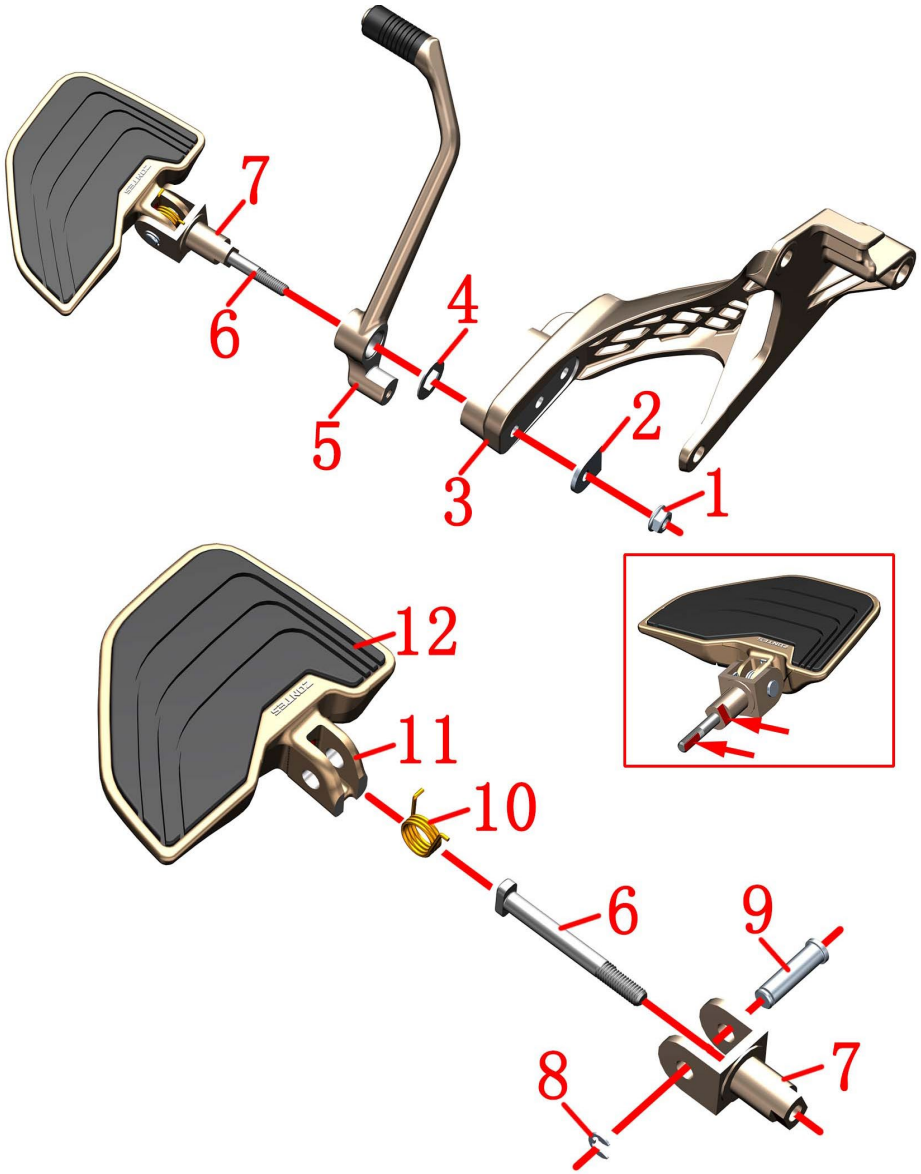


Fig.7 FOOT PEDAL COMPONENT		Front left footrest component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250303-011093	GB6177.1M8(color zinc)	1	
2	1274200-312000	ZT310－VX left foot support fixing piece	1	
3		ZT310－VX front left foot pedal support	1	
4	1274200-322000	ZT310－VX Pedal support gasket	1	
5		ZT310－VX gear lever rocker arm	1	
6	1251100-293000	ZT310－VX pedal non-standard bolt M8×70	1	
7		ZT310－VX left foot support	1	
8	1264100-006000	ZT250－S Foot pedal circlip	1	
9	1274100-012000	ZT250－S Foot pedal pin axle	1	
10	1264100-003000	ZT250－S front left foot pedal torsional spring	1	
11		ZT310－VX front left foot rest	1	
12	1244200-114000	ZT310－VX front left pedal rubber pad	1	

PROCEDURE:

●Front left pedal bracket component

Refer to to steps above, remove the pedal bracket component.

Use a 13# sleeve to remove the nut (1), remove the fixing piece (2), and then remove the support gasket (4), the shift lever (5), and the front left pedal assembly in sequence.

●Front left pedal component

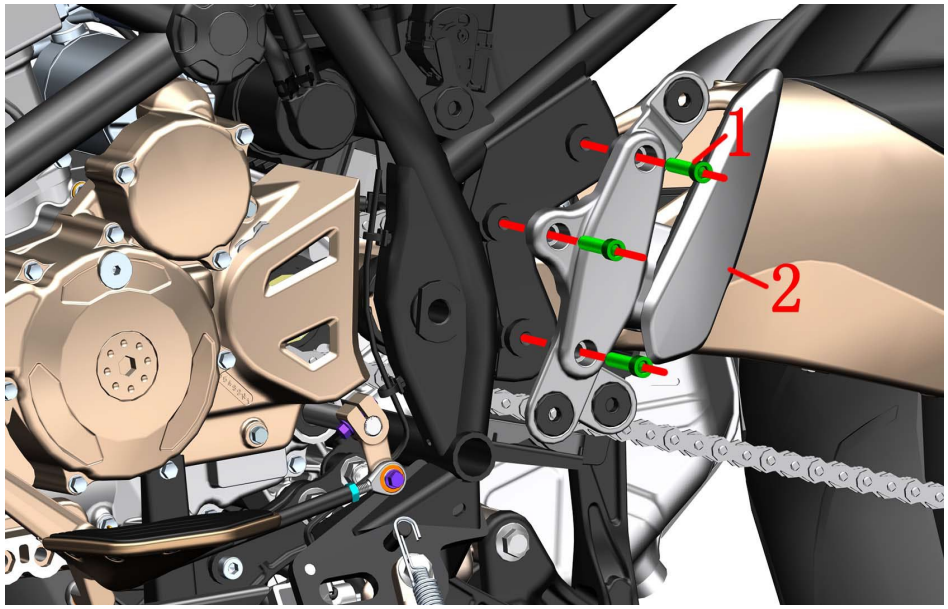
Remove the circlip (8), remove the pin (9) and separate the pedal support (6), torsion spring (10), non-standard bolt (6) and the front left pedal assembly. Remove the rubber pad (12) from the left pedal (11)

CAUTION:

●The bearing washer and the boss of the support should be placed and assembled.

●Pedal fixed film, The pedal torsion spring pays attention to the installation direction.

●You can watch the video tutorial in "ZT310-V1 Foot Rest Assembly Video Tutorial" in the assembly video.



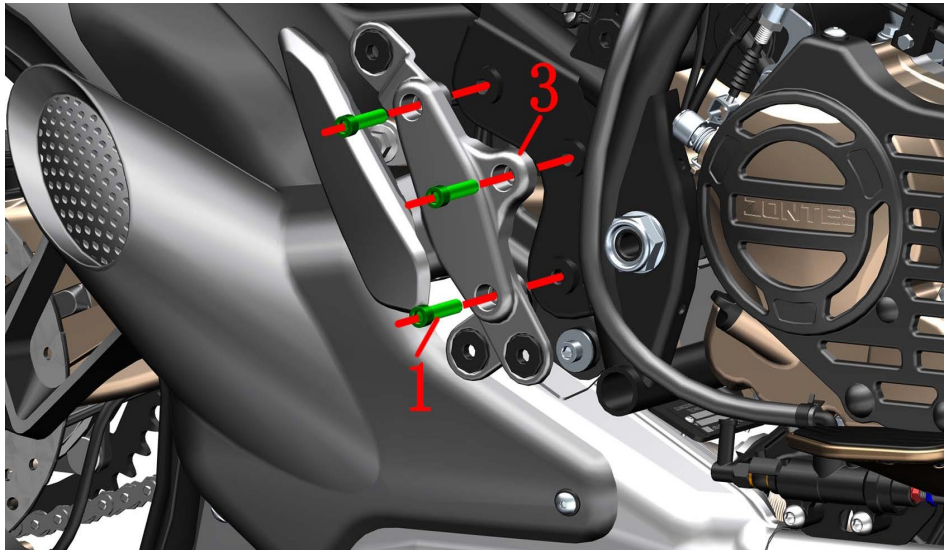


Fig.8 FOOT PEDAL COMPONENT		Rear pedal assembly	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250205-023000	GB70.1 inner hexagonal M8X35 (army green)	6	
2		ZT310－V Rear left pedal bracket assembly	1	
3		ZT310－V Rear right pedal bracket assembly	1	

PROCEDURE:

●Rear left pedal bracket assembly

Using 6# inner hexagon socket remove 3 pieces bolts (1) on the left side, take off the left pedal bracket assembly (2)

Using 6# inner hexagon socket remove 3 pieces bolts (1) on the right side , take off the right pedal bracket assembly (3)

CAUTION:

●The rear left and right foot pedal brackets are always equipped with the whole set,including the side cover round glue, pedal bracket, pedal etc.

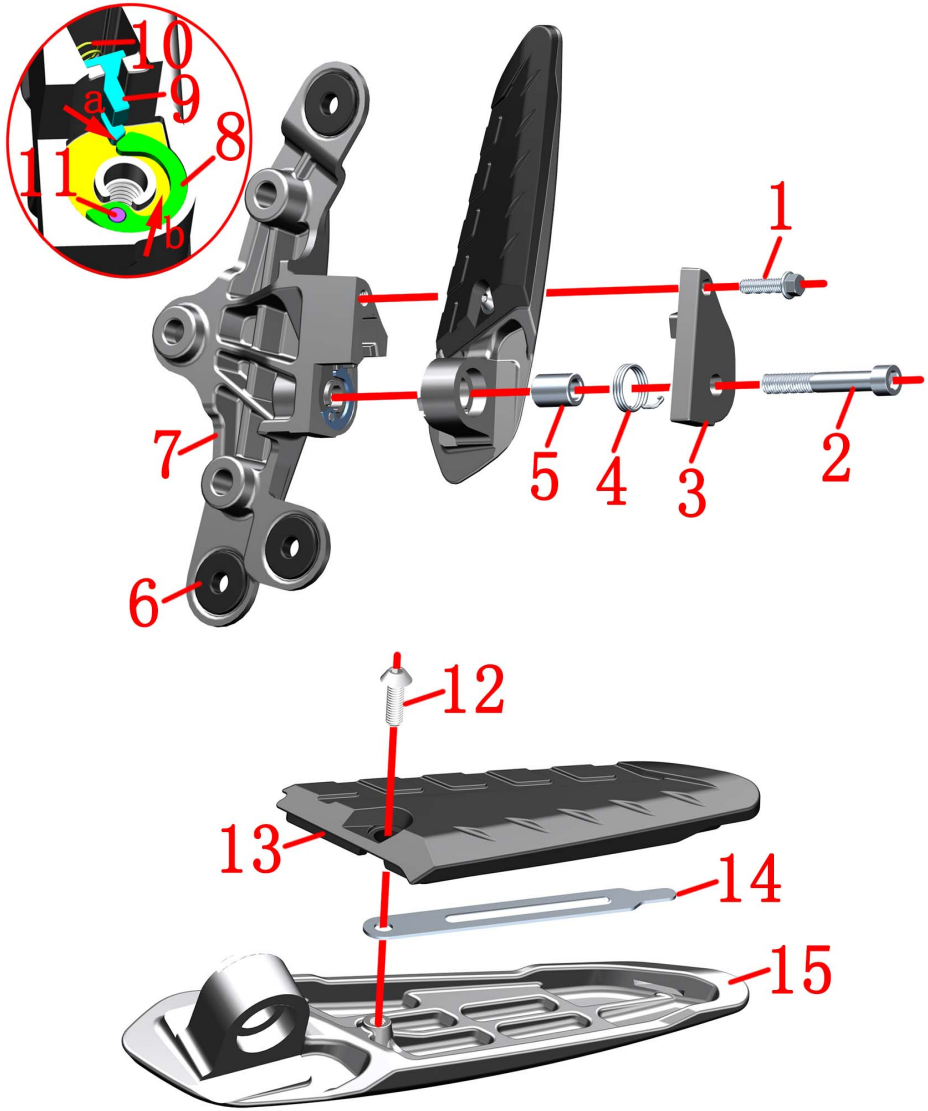


Fig.9 FOOT PEDAL COMPONENT		Rear right pedal bracket components	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-061093	M6×22 Hex flang bolt thread level 8.8 (color zinc)	1	
2	1250205-043093	GB70.1M8×55（environmental color-zinc）	1	
3		ZT310－V Rear right pedal cover	1	
4	1260100-225000	ZT310－V Rear right pedal torsion spring	1	
5	1251700-118000	Bushing Φ13×Φ8×18.1	1	
6	1244100-002000	ZT250－S Side cover round rubber	3	
7		ZT310－V Rear right pedal bracket	1	
8	1274200-148000	ZT310－V rear pedal top film	1	
9	1032142-050000	ZT310－V Rear right pedal slider	1	
10	1260100-223000	ZT310－V Rear pedal spring	1	
11	1274200-286000	ZT310-V rear pedal top piece pin	1	
12	1250205-038000	GB70.2M5×12（stainless steel）	1	
13	1244200-065000	ZT310－V Rear right pedal rubber seelve	1	
14	1274200-147000	ZT310－V Rear pedal rubber sleeve fixing piece	1	
15		ZT310－V Rear right pedal	1	

PROCEDURE:

●Rear right pedal bracket assembly

Take off 3 pieces side cover round glue (6) from the right pedal bracket(7).

Use 8# sleeve to remove bolt (1); use 6# inner hexagon to remove bolt (2), take off the cover plate (3).

Remove the bolt (1)and (2)take off the cover (3).

Take off the pedal torsion (4) and bushing (5).

Take off the rear pedal component

Take off the pedal top film (8) and footrest top plate hinge pin (11).

Take off the pedal slider (9) and spring (10).

●Rear right pedal

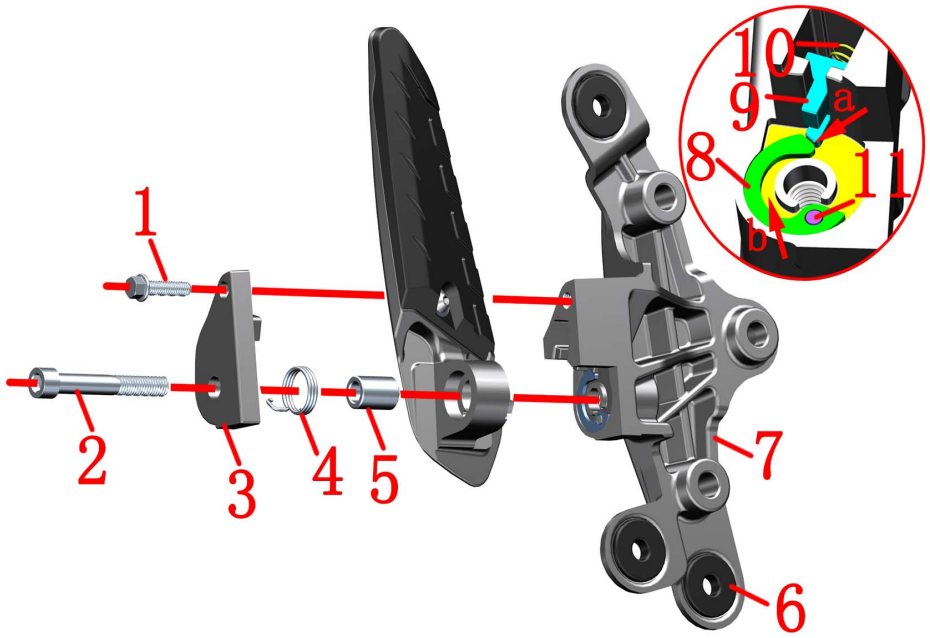
Using 3# inner hexagon socket remove the bolt (12)， take off the pedal (15).

The rubber sleeve fixing piece (14) is withdrawn from the pedal rubber sleeve (13).

CAUTION:

●When reassembling, apply a proper amount of grease to the yellow surface indicated by arrow b. Note that the slider top sheet needs to hold the slider.

●Reassembly is to tighten the bolt (1) first, then pre-tighten the bolt (2). The bolt (2) head should be coated with a proper amount of thread fastening glue. After tightening the bolt (2), it is necessary to confirm whether the pedal rotation is flexible or not.



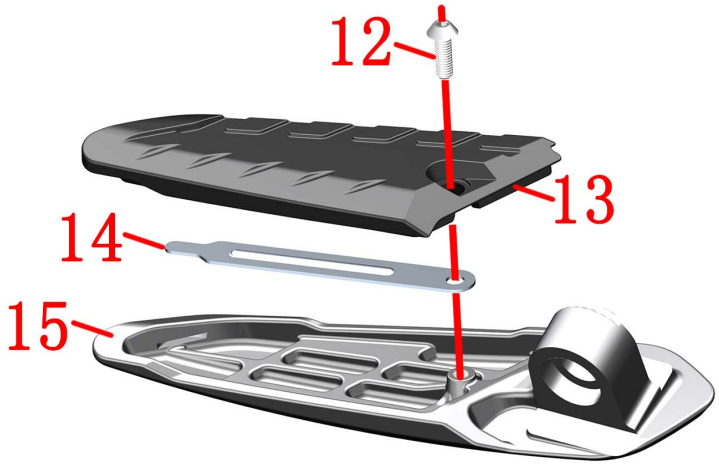


Fig.10 FOOT PEDAL COMPONENT		Rear left pedal bracket components	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-061093	M6×22 Hex flang bolt thread level 8.8 (color zinc)	1	
2	1250205-043093	GB70.1M8×55（environmental color-zinc）	1	
3		ZT310－V Rear left pedal cover	1	
4	1260100-224000	ZT310－V Rear left pedal torsion spring	1	
5	1251700-118000	Bushing Φ13×Φ8×18.1	1	
6	1244100-002000	ZT250－S Side cover round rubber	3	
7		ZT310－V Rear left pedal bracket	1	
8	1274200-148000	ZT310－V Rear pedal top film	1	
9	1032142-049000	ZT310－V Rear left pedal slider	1	
10	1260100-223000	ZT310－V Rear pedal spring	1	
11	1274200-286000	ZT310-V rear pedal top piece pin	1	
12	1250205-038000	GB70.2M5×12（stainless steel）	1	
13	1244200-064000	ZT310－V Rear left pedal rubber seelve	1	
14	1274200-147000	ZT310－V Rear pedal rubber seelve fixing piece	1	
15		ZT310－V Rear left pedal	1	

PROCEDURE:

●Rear left pedal bracket assembly

Take off 3 pieces side cover round glues (6) from the right pedal bracket (7).

Use 8# sleeve to remove bolt (1); Use 6# inner hexagon to remove bolt (2), and take off the cover (3).

Take off the pedal torsion spring (4) and bushing (5).

Take off the rear pedal component.

Take off the pedal top film (8) and footrest top plate hinge pin (11).

Take off the pedal slider (9)and spring (10).。

●Rear left pedal

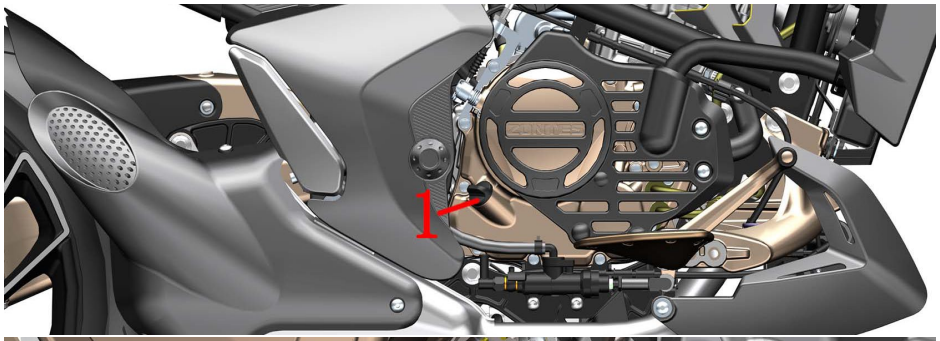
Using 3# inner hexagon socket remove the bolt (12)， and take off the pedal (15).

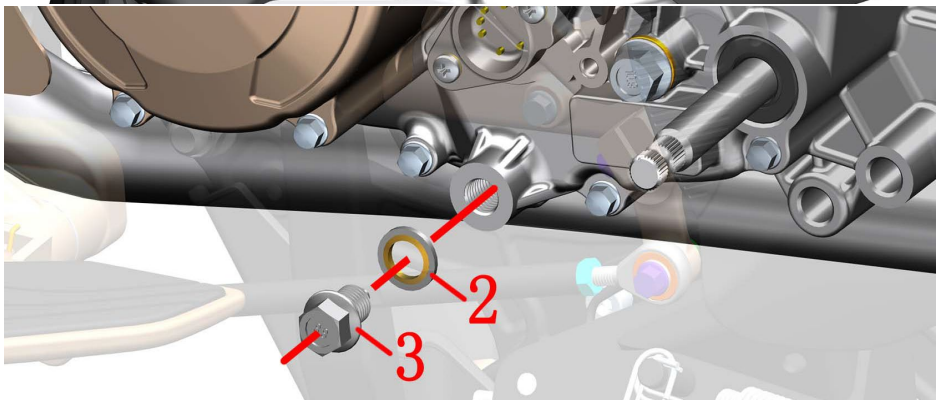
The rubber sleeve fixing piece (14) is withdrawn from the pedal rubber sleeve (13)

CAUTION:

●When reassembling, apply a proper amount of grease to the yellow surface indicated by arrow b. Note that the slider top sheet needs to be held against the slider as indicated by arrow a.

●Reassembly is to tighten the bolt (1) first, then pre-tighten the bolt (2). The bolt (2) head should be coated with a proper amount of thread fastening glue. After tightening the bolt (2), it is necessary to confirm whether the pedal rotation is flexible or not.





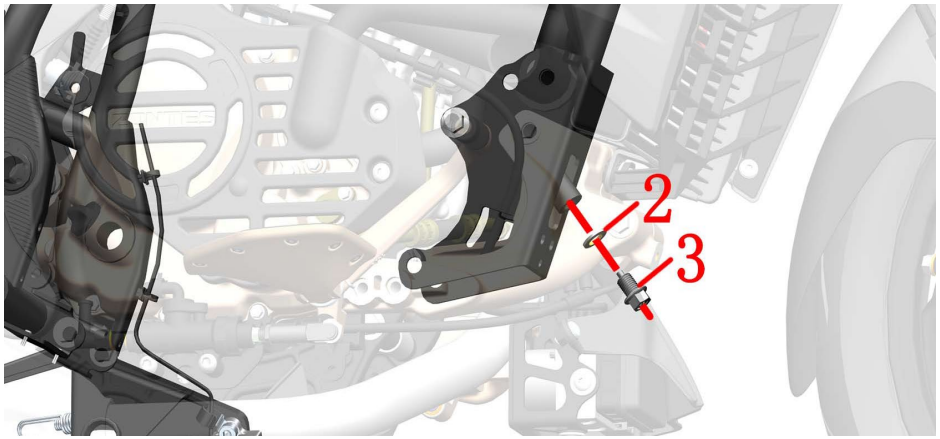


Fig.1 COOLING SYSTEM COMPONENT		Change engine oil	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1050854-002000	ZT180MN Engine oil level gauge	1	
2	1244100-033000	Sealing gasket 12×φ20×2	2	
3	1251100-066093	M12×1.5×15 Oil draining bolt	2	24N.m

PROCEDURE:

●Drain off the engine oil

First remove the lower shroud assembly.Drain with a suitable tool to prevent oil from contaminating the cover.

Park the motorcycle with side stand on flat ground.

Rotate the engine oil level gauge (1) anticlockwise and take it out.

Place the oil pan under the frame drain bolt and the engine drain bolt.

Using 14#sleeve disassemble draining bolts (3) on the chassis and the engine. Take off sealing gasket (2). Drain thoroughly the engine oil.

The frame oil drain bolt is in the gap between the front foot pedal bracket and the ABS pilot control unit cover.

Wipe off the dirty oil with clean nonwovens. Be sure that the surface of oil draining bolt and sealing gasket are not scratched and has no inpurity before reassembling. Torque on bolt is 24±4N.m. Too strong will damage the thread. Too week will cause leakage of oil.

Add from opening on right crankcase of engine 1.6L（1.7L if oil filter is changed) new engine oil of SAE 10W-50/10W-40 with API SM degree or higher. Then reassemble the engine oil gauge.

Start the engine and test it under different rotation speed for 2 minuts. Check if the engine oil leaks.

Run the engine at idling speed for 5 minuts than shut down the engine for 3 minuts. Check the engine oil level gauge. If oil level is lower than minimum mark, add more engine oil until liquid surface reaches maximum mark. Follow the steps above-mentioned and check again if engine oil leaks.

CAUTION:

●Disassembling the cooling system while the motorcycle is hot is prohibited. Wait until the engine and muffler cool down thoroughly for the manipulation.

●Wasted engine oil should be collected and hand over to qualified facilities for further treatment. Do not pour the oil anywhere and avoid pollution of environment and water source.

●Changing the draining bolt and sealing gasket every time when changing the engine oil is suggested.

●As the crankshaft connection rot has bearing bush, whild changing the engine oil, make sure the engine has at least 1L before starting the engine. If not, the bearing bush can be damaged or the crankshaft can be seized.

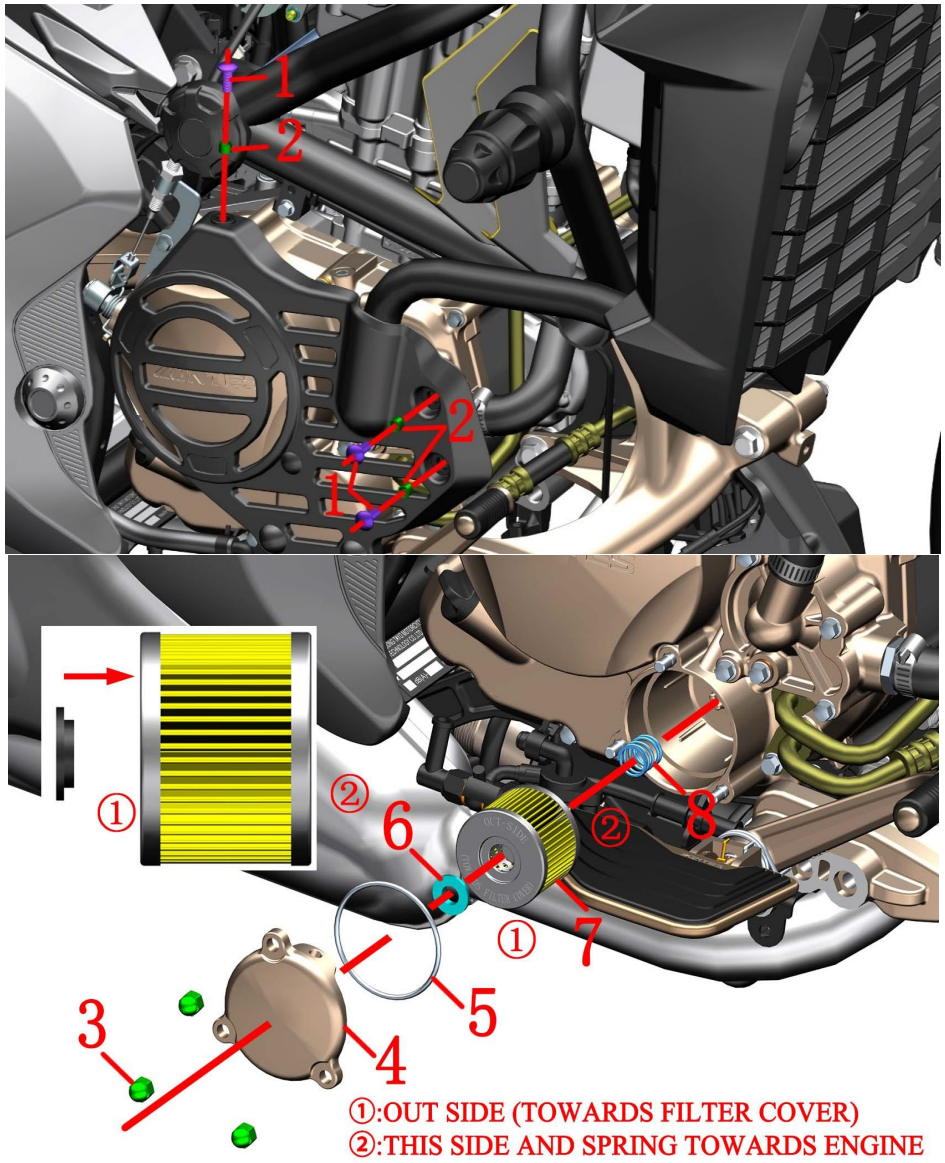


Fig.2 COOLING SYSTEM COMPONENT		Change engine oil filter	CHK / ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non-standard bolt M6×16（304 stainless steel）	3	
2	1274100-018000	ZT250－S anti－hot plate sleeve, muffler	3	
3	1251300-056093	M6 Cover type 9 degree nut	3	12±1.5N.m
4		ZT180MN Engine oil refined filter cover	1	
5	1051454-004000	55×2.5 O-ring	1	after-sale
6	1051454-005000	ZT180MN Engine oil refined filter seal ring	1	
7	4134200-003000	ZT180MN fine filter sealing assembly(carton packaging)	1	【1】
8	1050853-009000	Φ16.4×17×1.6 Spring for filter	1	

PROCEDURE:

● Engine decorative cover assembly

Using 4# inner hexagon socket remove 3 pieces bolts (1) respectively,after taking off the bushing (2),and take off the engine decorative cover assembly.

●Change engine oil filter

Place holder to collect wasted engine oil under right crankcase cover.

Disassemble nut (3) with 10# sleeve. Rotate slightly engine oil refined filter cover (4) and take it off when it is loosen.

Take off seal ring (6). Change engine oil filter (7).

Check if seal ring (5) is broken. Change the seal ring (3) along with engine oil filter is suggested.

When reassembling, pleas check carefully if the spring (8), seal ring (6) are well installed. Engine oil filter can not be turned over when assembling.

Torque of cover type nut (3) is 12±1.5N.m.

CAUTION:

●Ensure every component is well assembled.

●To change engine oil filter and seal ring(5) at the same time is suggested.

●Engine oil filter can not be turned over when assembling.

● Note that the seal ring (6) is facing the fine filter with the “OUT SIDE (TOWARDS FILTER COVER)” side. It is forbidden to install reverse or leak.

●【1】The ZT180 refined filter seal component already included oil filter、55×2.5 O-ring (5) and ZT180MN Engine oil refined filter seal ring(6) .

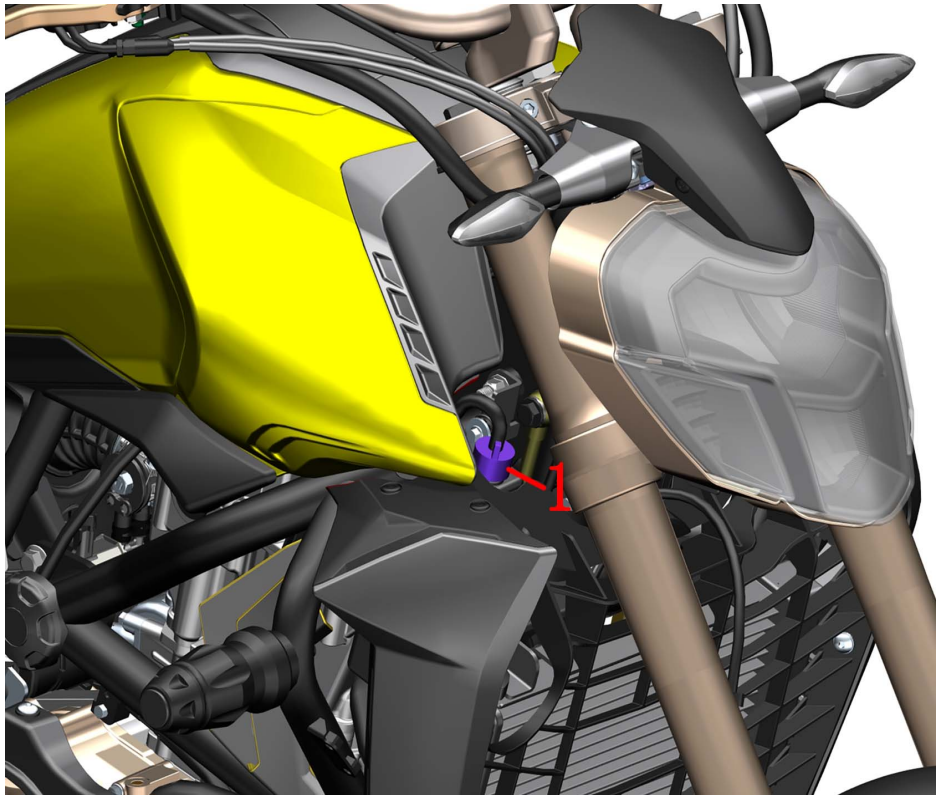


Fig.3 COOLING SYSTEM COMPONENT		Change engine oil	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1274200-188001	ZT310-V sub-water tank	1	

PROCEDURE:

●Add coolant

When the engine is completely cooled, the vehicle can be straightened to accurately check the liquid level. If it is lower than the "L" line, the coolant should be replenished in time. If the auxiliary tank has no or only a small amount of coolant, check the cooling system first, and remove the leak before adding it.

Park the vehicle with the side brackets; turn the direction to the right and turn to the bottom.

Open the lid of the sub tank (1) and add a small amount of coolant each time with a funnel. It is appropriate to reach the position of the F line when the liquid level of the coolant is used to support the vehicle.

CAUTION:

●Check regularly the cooling liquid surface. It should never be lower than "L" line.

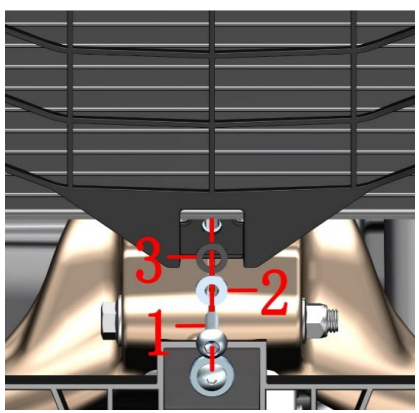
●Change cooling liquid every two years is suggested.

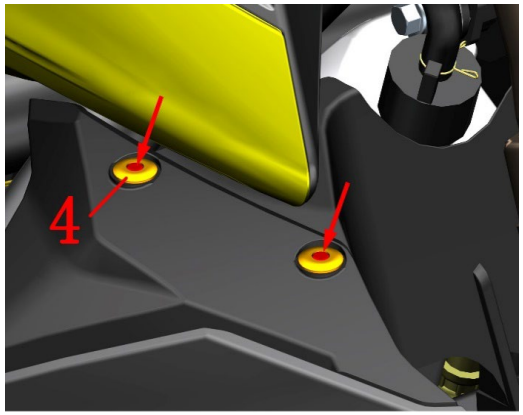
●Swallowing or inhaling cooling liquid would harm human body. Clean thoroughly the hands, face or explosing skin every time after adding cooling liquid. If cooling liquid is swalled by accident, please contact toxication center or hosipital. If it's inhaled, please move to open air. If it's spilt to the eye, clean it with big quantity of clean water and see doctor in time. Be sure the cooling liquid is far away from children or pets.

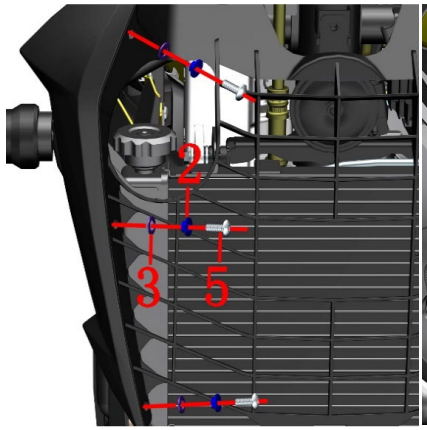
●Engine cooling liquid must be suitable for aluminum radiator. The basic should be glycol. Cooling liquid should be mixture of distilled water and concentrated cooling liquid under certain proportion. Be sure to choose cooling liquid which is suitable for your local extreamly low temperature. The freezing point should be lower than the local lowest temperature. Distilled water is the only kind of water acceptable. Other kind of water might cause corrosion to engine cooling system or other more severe problems.

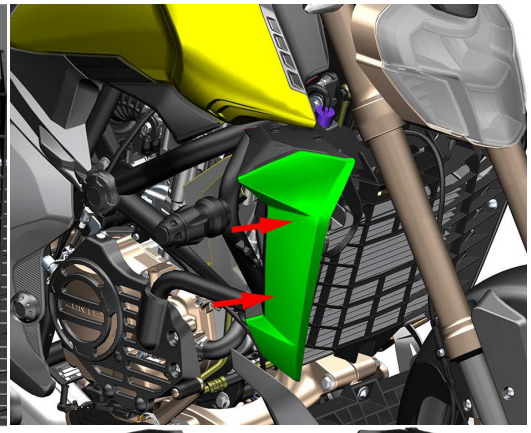
●Total volume of cooling liquid is 1580ml.

●Cooling liquid might damage the coating of motorcycle. Be careful while adding. If it is spilt in small quantity, please clean it immediately with soft cloth.









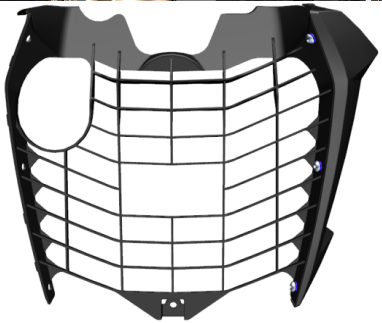


Fig.4 COOLING SYSTEM COMPONENT		Radiator covercomponent 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-121093	Non-standard bolt M6×25 (color zinc)	1	
2	1274100-057095	Flanging bushing φ6.2×φ8.5×3.5＋φ14×1.5	4	
3	1244100-052000	Buffer rubber of flanging bushing （φ8.5×φ14×1）	4	
4	1224100-010000	ZT250－S swell nail	2	
5	1251100-102000	Non-standard bolt M6×16（304 stainless steel）	3	

PROCEDURE:

●Radiator decorative cover assembly

Using 6# inner hexagon socket remove the bolt (1) under the middle part of decorative cover and upper part of pedal bracket, take off bushing(2) and buffer rubber (3).

Remove the expansion pin after pressing the intermediate part of the expansion screw (4).

Turn the front of the car to the left.

Using 4# inner hexagon socket remove 3 bolts (5),take off the bushing (2) and buffer rubber (3).

Grab the right side of the trim cover and pull it out as indicated by the green arrow at the arrow.

Grab the same part of the left side of the trim cover and pull it out.

CAUTION:

●Pull out hard directly when pulling out, and do not shake it to the sides to prevent damage to the staples.

●Pay attention to the surface of the material.

●Disassemble the engine and radiator after they have been completely cooled.

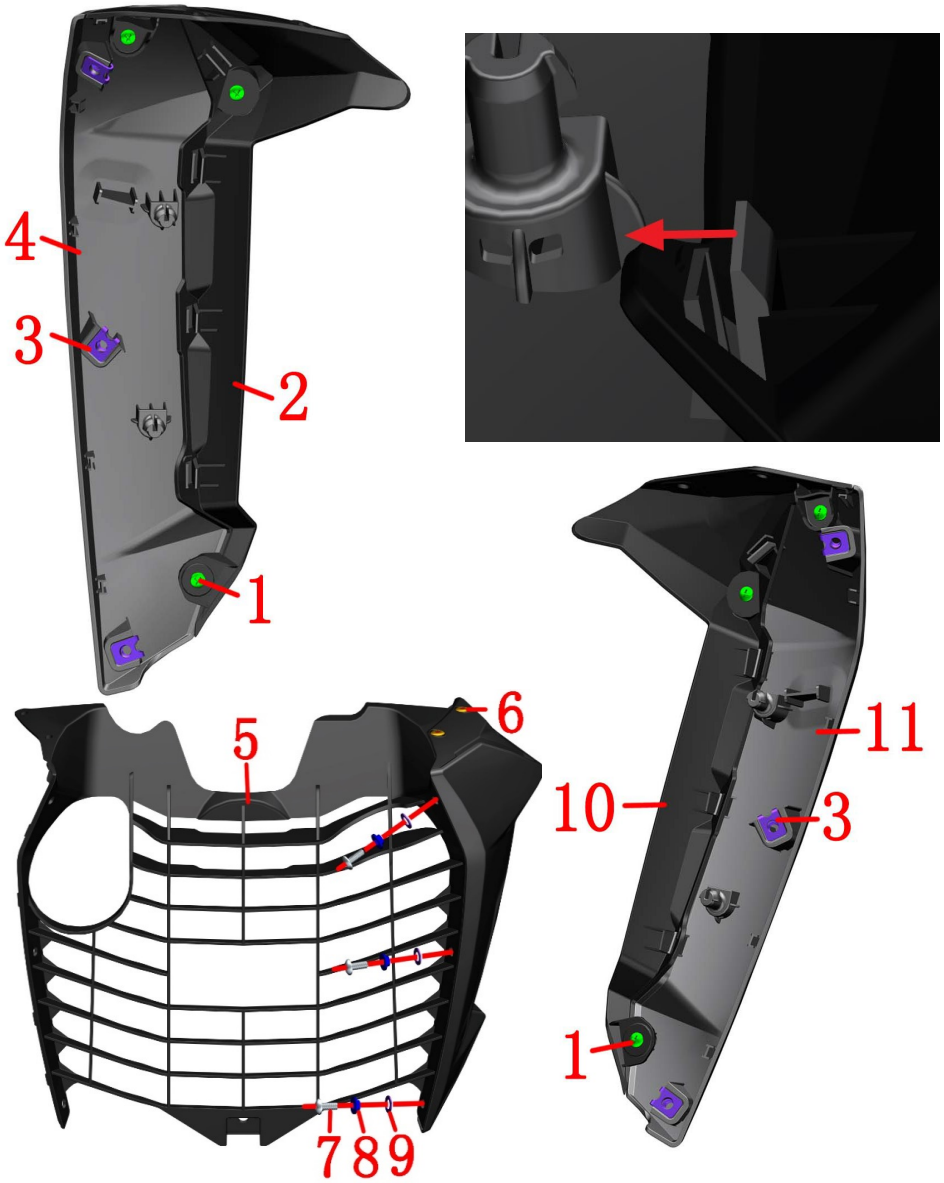


Fig.5 COOLING SYSTEM COMPONENT		Radiator covercomponent 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251200-038093	Non-standard self-tapping screwST3.9×12	6	
2	1224200-116000	ZT310-v radiator trim cover right rear part	1	
3	1251300-063093	Plywood M6×11×15（color zinc）	6	
4	4044201-245052	ZT310-v radiator decorative cover front right	1	
5	1224200-114000	ZT310-v radiator trim cover center	1	
6	1224100-010000	ZT250－S swell nail	2	
7	1251100-102000	Non-standard bolt M6×16（304 stainless steel）	3	
8	1274100-057095	Flanging bushing φ6.2×φ8.5×3.5＋φ14×1.5	3	
9	1244100-052000	Buffer rubber of flanging bushing （φ8.5×φ14×1）	3	
10	1224200-115000	ZT310-V radiator trim cover left rear	1	
11	4044201-244052	ZT310-V radiator trim cover front left (dark grey)	1	

PROCEDURE:

●Radiator decorative cover assembly

Using cross screwdriver Remove the self-tapping screws (1), and pry the four snaps in the direction indicated by the arrow to separate the right rear part (2) and the right front part (4). Remove the 3 plywood nuts (3) from the right front.

Remove the expansion pin after pressing the intermediate part of the expansion screw (6).

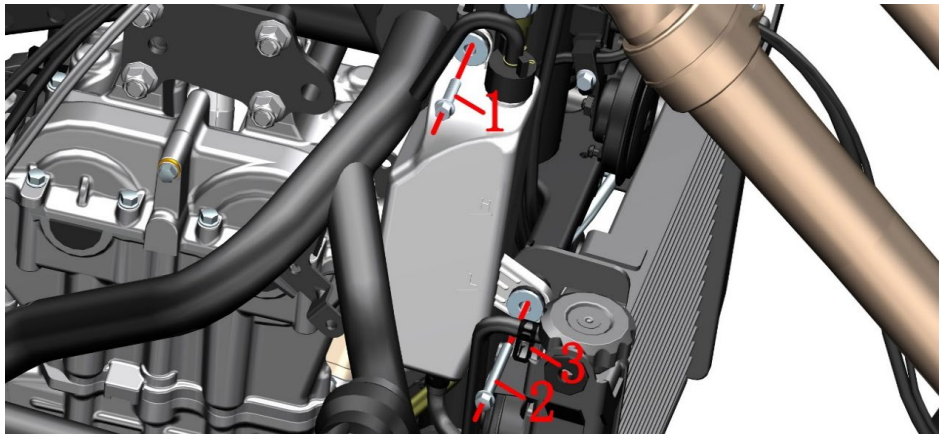
Using 4# inner hexagon socket remove the 3 bolts (7), remove the bushing (8) and the cushion rubber (9) and remove the middle part (5).

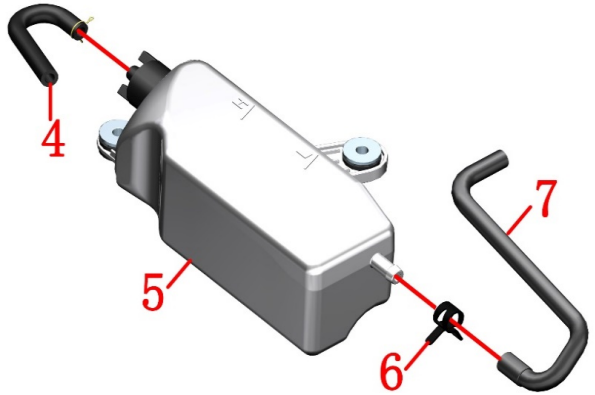
Remove the left rear part (10) and the left front part (11) of the trim cover by referring to the previous steps.

CAUTION:

●Pay attention to the surface of the material.

●When reassembling, be careful to first set the self-tapping screws perpendicular to the mounting surface and not to use excessive torque.





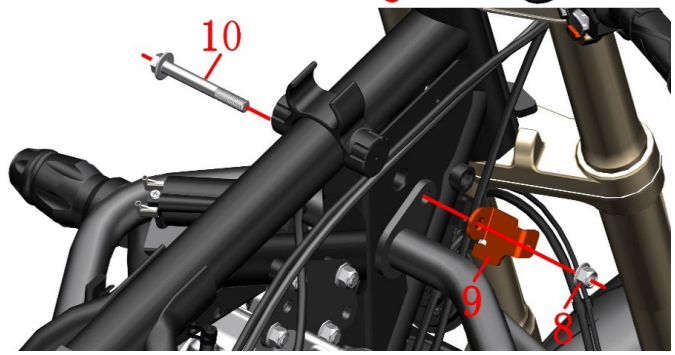


Fig.6 COOLING SYSTEM COMPONENT		Vice water tank components	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-061093	M6×22 Hex flang bolt thread level 8.8 (color zinc)	1	
2	1251112-003093	M6×45 Hex flange surface 9.8 bolt (color zinc)	1	
3	1274200-079000	ZT310 water pipe clamp（φ9）	1	
4	1244200-069000	ZT310-V sub water tank leakage pipe	1	
5	1274200-188001	ZT310-V sub water tank	1	
6	1274200-088000	ZT310 water pipe clamp（φ10.5）	1	
7	1244200-070000	ZT310-V Sub water tank connection pipe	1	
8	1251300-057093	Non-standard nuts M10×1.5 (color zinc)	1	
9	1274200-184000	ZT310-V sub water tank bracket	1	
10	1251100-132003	Non-standard bolt M10×1.5×80	1	

PROCEDURE:

●sub water tank assembly

Using 8# sleeve remove the bolts (1) and (2),pull the sub tank assembly out of the gap.

After wearing the waterproof rubber gloves, put the sub tank assembly upside down (the sub water tank cover down) into a plastic container.

After clamping the hoop (3) with pliers, pull the water pipe out of the main tank and remove the hoop (3).

Vent the coolant in the secondary tank.

Clamp the clamp on the leak pipe (4) with pliers and pull it out. Subsequent production of motocycles will reduce the clamps for leak pipe.

Clamp the hoop (6)with pliers and pull the water pipe (7) out of the sub tank (5), then remove the hoop (6).

●Sub water tank bracket.

If it is necessary to remove the auxiliary tank bracket, fix the nut (8) with the14# sleeve by using the 14# sleeve to fix the head of the bolt (10).

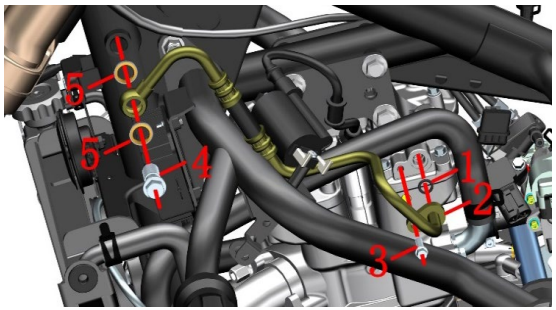
Remove the sub tank bracket (9) after pulling out the bolt (10).

CAUTION:

●Disassembling the cooling system while the motorcycle is hot is prohibited. Wait until the engine and muffler cool down thoroughly for the manipulation.

●Cooling liquid should be collected and hand over to qualified facilities for further treatment. Do not pour the oil anywhere and avoid pollution of environment and water source.

●Be sure to wipe the connecting surface with clean nonwoven before reassembling.



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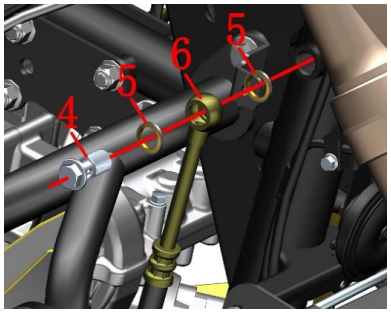

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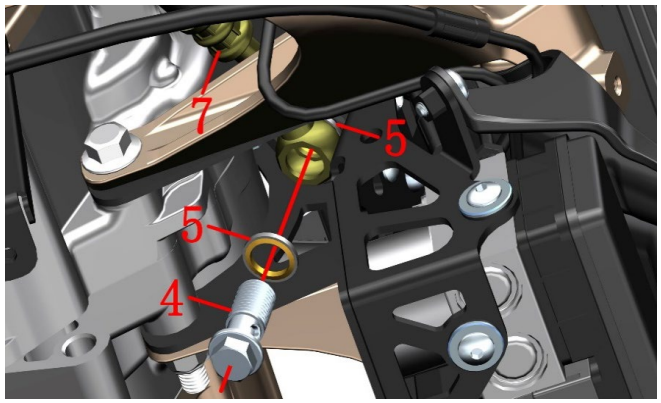

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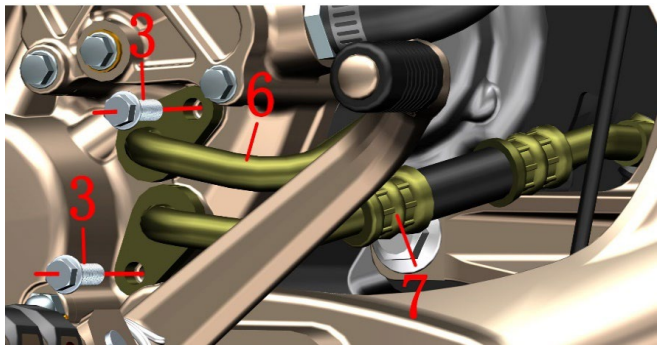

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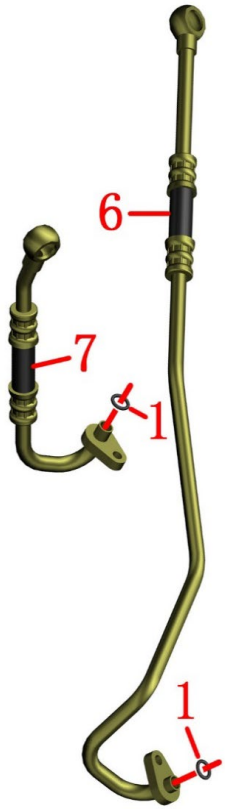


E

Fig.7 COOLING SYSTEM COMPONENT		Change engine oil	CHK / ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1051454-014000	9.8×2.5 acrylic o-ring	3	
2	1274200-186000	ZT310-V Frame bypass oil pipe	1	
3	1251100-061093	M6×22 Hex flang bolt thread level 8.8 (color zinc)	3	
4	1251100-089094	Oil bolt M14×1.50×32	3	30±2N.m
5	1244100-034000	Combined sealing gasket φ14×φ20×2	6	
6	1274200-189000	ZT310-V Engine outlet oil pipe	1	
7	1244200-015000	ZT310-R Engine inlet oil pipe	1	

PROCEDURE:

●Chassis connected oil tube

Using 14# sleeve disassemble oil passing bolt (4),take off 2 pieces combination seal (5)， pictured A.

Disassemble bolt(3) close to engine with a 8# socket sleeve. Disassemble chassis connected oil tube. Take off O-ring

●Engine oil outlet tube

Disassemble oil passing bolt (4), Remove 2seal gasket (5) with a 8# sleeve， pictured B.

Disassemble oil passing bolt (4), seal gasket(5) with a 14# sleeve， pictured C.

Disassemble bolt (3) with a 8# sleeve. Take off engine oil outlet tube (6), engine oil intake tube (7)， pictured D.

The oil outlet pipe (6) and the oil inlet pipe (7), Remove 2 o-ring (1).

CAUTION:

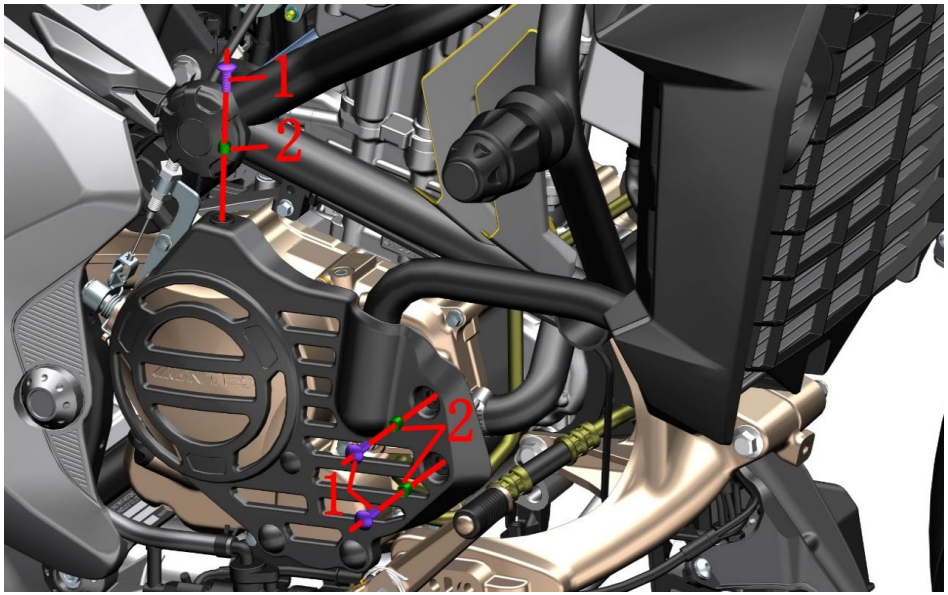
●Disassembling the cooling system while the motorcycle is hot is prohibited. Wait until the engine and muffler cool down thoroughly for the manipulation.

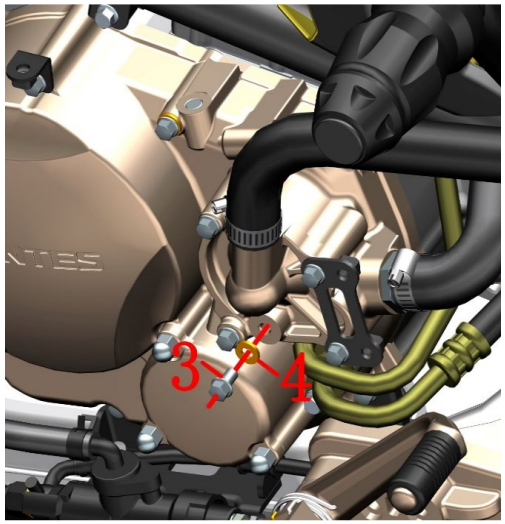
●Wasted engine oil should be collected and hand over to qualified facilities for further treatment. Do not pour the oil anywhere and avoid pollution of environment and water source.

●Do not disassemble the oil tube violently in case of deformation of bush.

●To avoil leakage, changing seal gasket and O-ring every time together with engine oil is suggested.

●Be sure to wipe the connecting surface with clean nonwoven before reassembling.





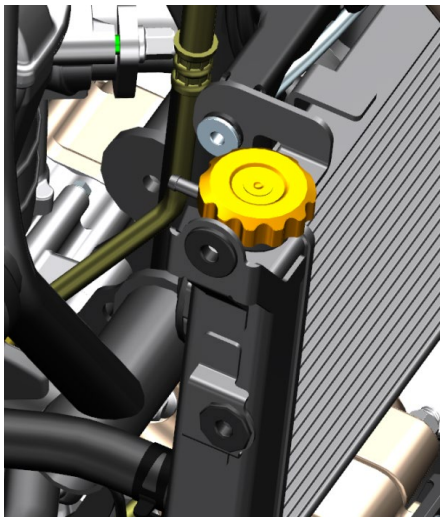


Fig8 COOLING SYSTEM COMPONENT		Draining cooling liquid	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non-standard bolt M6×16(304 stainless steel)	3	
2	1274100-018000	ZT250-S muffler anti-scalding bushing	3	
3	1251112-001093	M6×16 Hex flange bolt（environmental color zinc）	1	
4	1051654-002000	Seal gasketφ6×13×1.8	1	

PROCEDURE:

●Engine decorative cover assembly

Using 4# inner hexagon socket remove 3 bolts (1) respectively, after taking off bushing (2) and take off engine decorative cover assembly.

●Drain the cooling liquid

Refer to the previous “Sub tank assembly” procedure to vent the coolant in the sub tank.

After placing the oil pan or other container under the right side of the vehicle, tilt the vehicle to the right.

After wearing waterproof gloves with both hands, remove the bolts (3) with a 8# sleeve and remove the combination seal (4).

Drain the coolant with a funnel or other device.open the cooling liquid tank cover to accelerate the draining of cooling liquid in the cooling system.

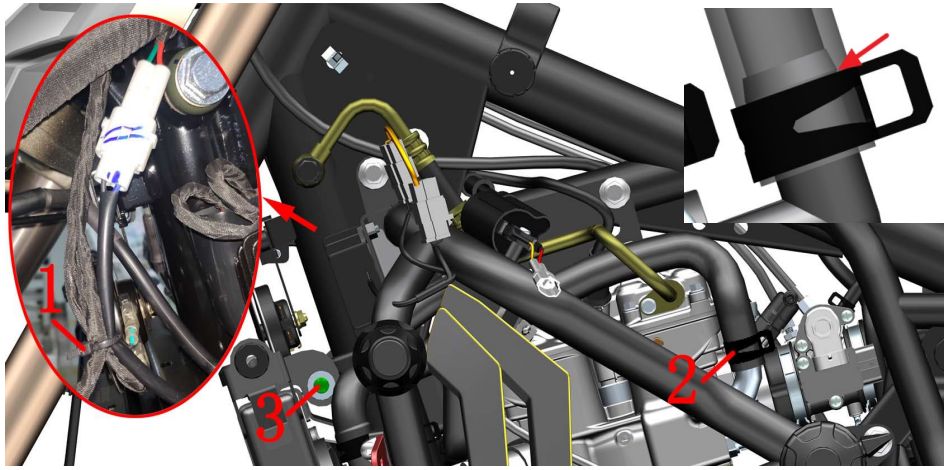
Wipe out all of the cooling liquid on surface every component with a clean cloth.

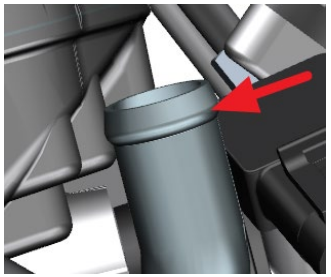
CAUTION:

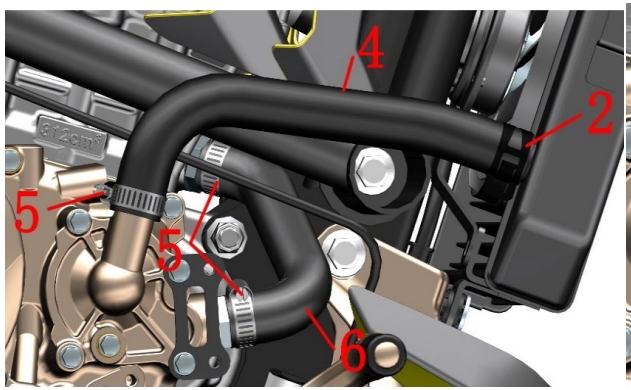
●Motorcycle should be well supported.

●Manipulation should start after the engine is completely cooled down.

●Cooling liquid is toxic. Avoid strictly eye or skin contact.







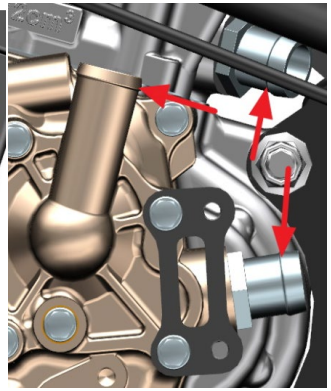


Fig.9 COOLING SYSTEM COMPONENT		Main water tank assembly 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224100-051000	0 grade flame retardant cable tie (black 2.5×100)	1	
2	1274200-090000	ZT310 Hoop of cooling liquid tube（φ26）	2	
3	1251112-002093	M6×30 Hexagon flange bolts (color zinc)	1	
4	1244200-068000	ZT310-V engine inlet water pipe	1	
5	1274200-041000	ZT310 Cooling liquid tube clamp（φ26）	3	
6	1244200-012000	ZT310－R Engine cooling liquid passing tube	1	

PROCEDURE:

●Main water tank assembly

Locate the connector for the radiator fan and temperature sensor on the left side of the vehicle near the front of the tank and unplug the connector.

Cut the two straps (1).

Use the pliers to clamp the hoop (2) and move the anti-slip boss up to release the hoop.

Using 8#sleeve remove the bolt (3).

Pull out the water pipe after wearing the waterproof gloves. Remove the hoop (2).

Use the pliers to remove the hoop (2) on the right side and pull out the engine inlet pipe (4). Close the radiator end and remove the hoop.

Use a flat-blade screwdriver to loosen the three clamps (5) and remove the boss indicated by the arrow.

Remove the inlet pipe (4) and the water pipe (6) and then remove the clamp (5) from the water pipe.

Remove the main tank assembly.

CAUTION:

●Motorcycle should be well supported.Manipulation should start after the engine is completely cooled down.

●Manipulation should start after the engine is completely cooled down.

●Cooling liquid is toxic. Avoid strictly eye or skin contact.

●Do not disassemble the hoop with too strong force. If not, it will cause permanent deformation and lose elasticity, which will lead to leakage of cooling liquid.

● When reassembling, be careful that the clamps and hoops should be prevented from loosening on the inside of the boss.

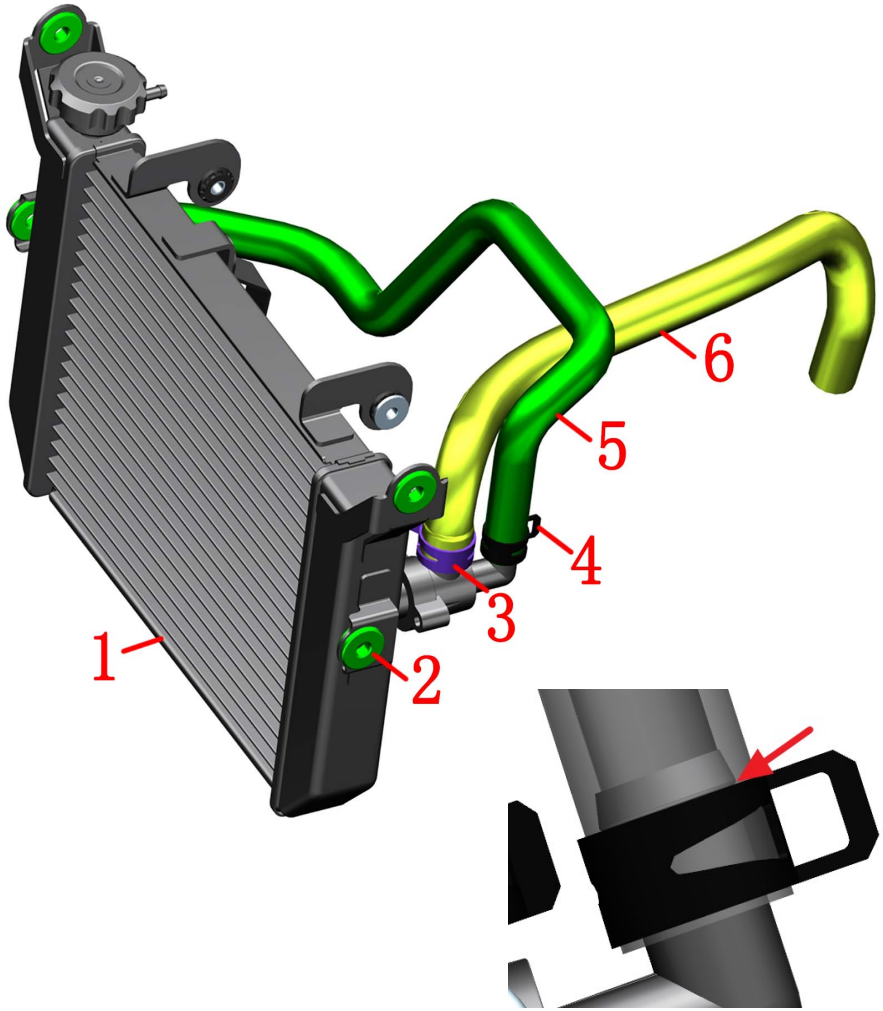


Fig.10 COOLING SYSTEM COMPONENT		Main water tank assembly 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1274200-274021	ZT310－V main water tank	1	
2	1244100-002000	ZT250－S Side cover round rubber	4	
3	1274200-091000	ZT310 water pipe clamp（φ27）	1	
4	1274200-089000	ZT310 water pipe clamp（φ22）	2	
5	1244200-113000	ZT310-V small circulation water pipe	1	
6	1244200-071000	ZT310-V engine outlet water pipe	1	

PROCEDURE:

●Main tank assembly

Remove 4 pieces of side cover round glue (2) from the main water tank (1) .

After wearing the waterproof gloves, clamp the hoop with pliers (4) and remove the hoop after removing the anti-slip boss.

Remove the small circulation water pipe (5) or (7) and take off the two hoops (4).

Remove the outlet pipe (6) and the hoop (3) as previously described.

CAUTION:

●Cooling liquid is toxic. Avoid strictly eye or skin contact.

●Do not disassemble the hoop with too strong force. If not, it will cause permanent deformation and lose elasticity, which will lead to leakage of cooling liquid.

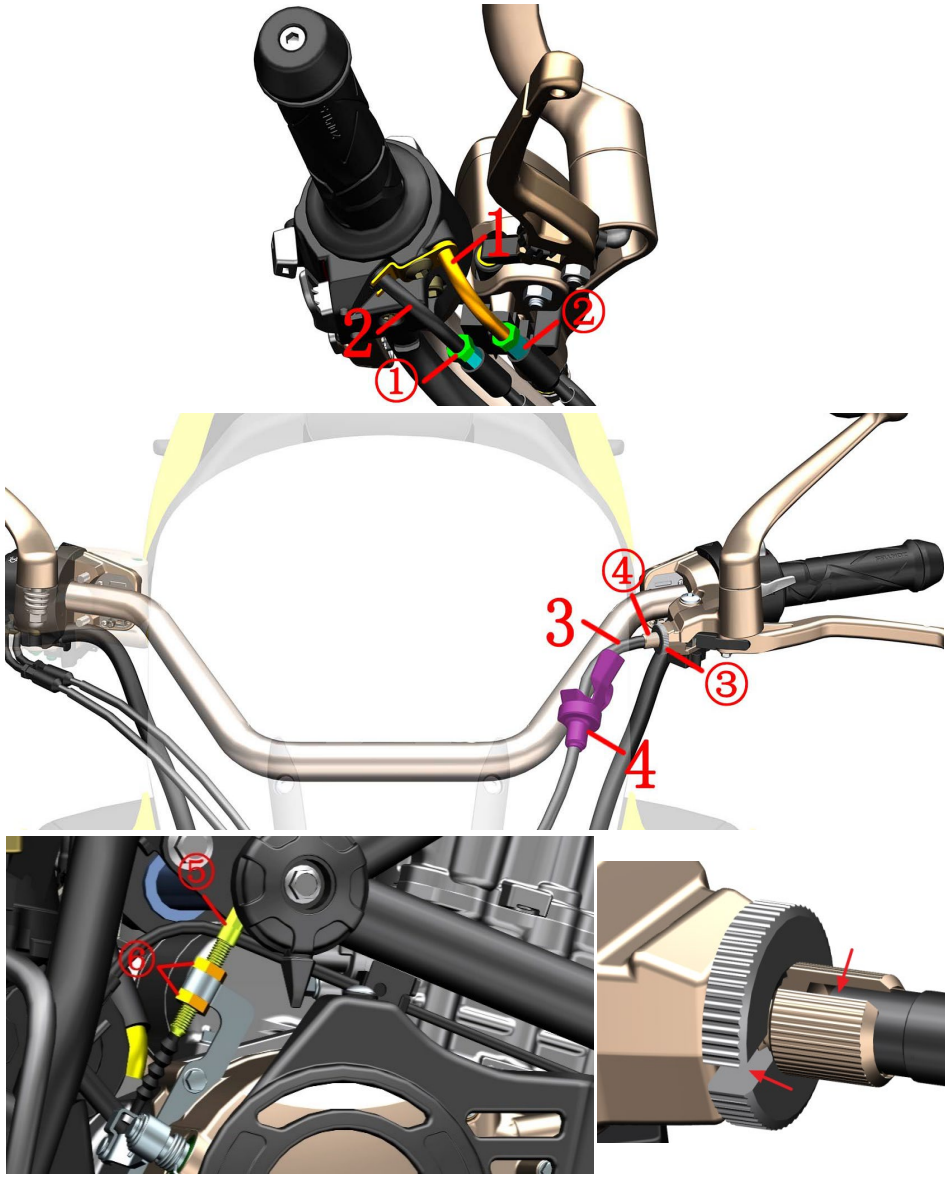


Fig.1 FRONT FORK COMPONENT		Throttle/clutch cable clearance adjustment	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1154200-023000	ZT310－VX Throttle Refueling Line	1	
2	1154200-022000	ZT310－VX Throttle Return Line	1	
3	1154200-021000	ZT310－VX Clutch cable	1	
4	1244200-046000	ZT310－V clutch line sheath	1	

PROCEDURE:

●Throttle line

Use an 10# open-end wrench to loosen the lock nut ① on the throttle refueling line (1) or the return line (2), and turn the adjustment screw ② to adjust the clearance to 2 to 4 mm. Use 8# open-end wrench to tighten the nut ① after adjustment.

●Clutch line

Fine adjustment:

Lift the protective rubber sleeve (4) on the clutch rocker arm to the elbow of the clutch cable (3), loosen the nut ③ with pliers, rotate the adjustment screw ④, finally lock the nut ③, and then reset the dust jacket. After adjusting, pay attention to the nut ③, the adjustment screw ④ and the groove of the rocker seat should be staggered to prevent the cable from coming out.

Big adjustment:

If fine adjustment cannot be achieved, loosen the nuts⑥ with an 14# open-end wrench, rotate the adjustment screw ⑤, and finally tighten the nuts ⑥.

CAUTION:

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

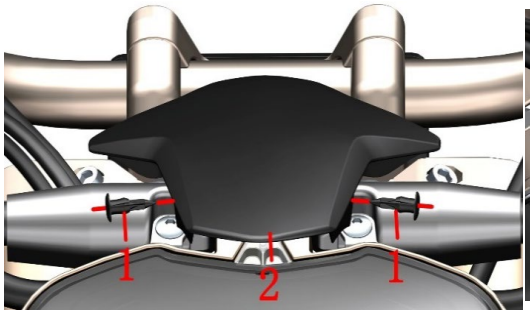
●Throttle line adjustment should be noted as follows:

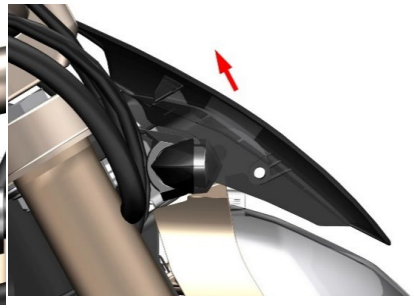
After adjustment, ensure that the throttle can be reset automatically. It is forbidden to increase the idle speed of the engine due to adjustment of the cable.

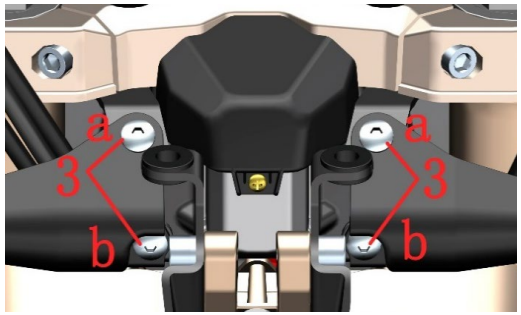
The engine idle speed rise cannot occur in the direction of rotation.

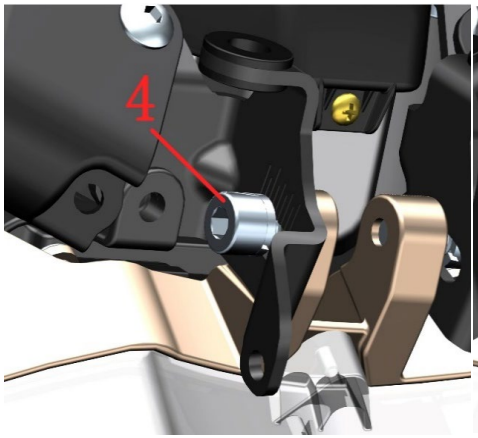
Checking the engine idle speed should be performed under the condition of a heat engine and should be at 1500 to 1700 rpm.

●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 nut, adjusting screw, and slot on the rocker arm to a certain position to prevent the cable from coming out of the slot.









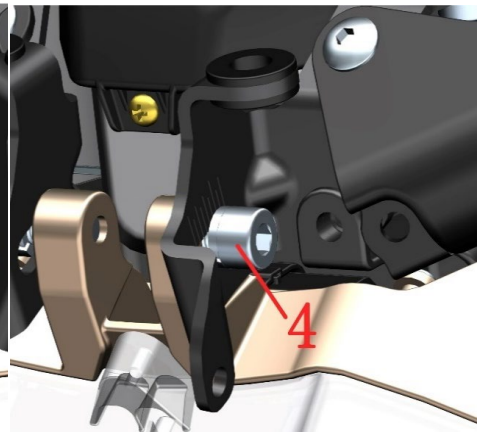


Fig.2 FRONT FORK COMPONENT		Light height adjustment	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224100-010000	ZT250－S swell nail	2	
2	1224200-117000	Decorative hood over ZT310－V headlamp	1	
3	1251100-102000	Non－standard bolt M6×16（304 stainless steel）	4	
4	1250205-040095	GB70.1 inner hex bolt M8×16（color Zinc）	2	

PROCEDURE:

●Decorative hood over headlamp

Remove the center of the expansion screw (1) and remove it.

Pull the headlight cover (2) in the direction of the arrow.

●Light height adjustment

Using 4# inner hexagon socket remove the two bolts (3) at b; loosen the two bolts (3) at a. Rotate the two turn signal assemblies up to expose the head of the bolt (4).

The driver rides the motorcycle and the motorcycle is upright. The other person inserts a6#the inner hexagon will loosen the bolts (3) on both sides and adjust the light to the proper position to lock.

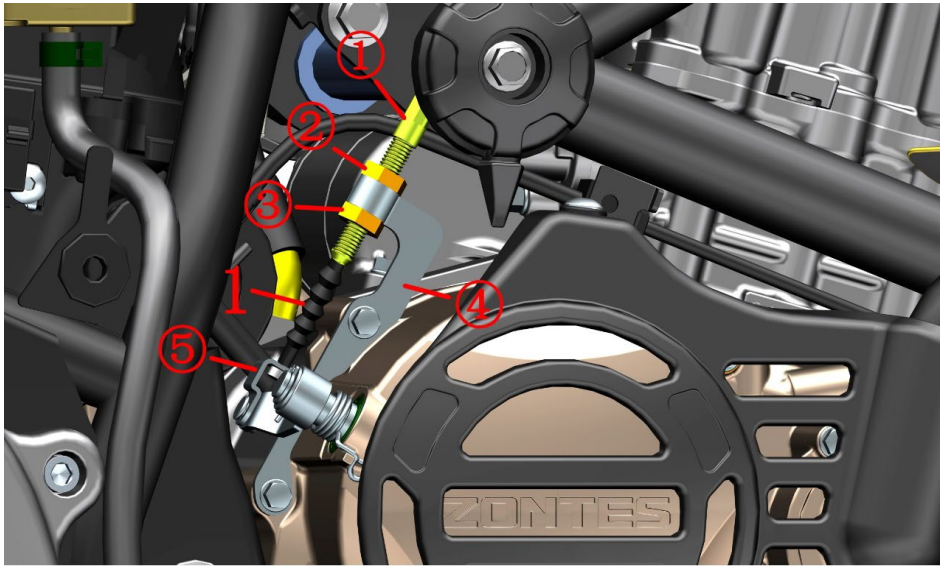
Note that tick marks aligned on both sides.

CAUTION:

●Light height adjustment should be noted as follows:

Too High or too low light levels can affect safe driving. The height of the lights should be properly adjusted according to whether there are changes in the weight of the occupants and the driver.

It is forbidden to adjust the light height during riding. It is advisable to adjust the road with a smooth road surface and a straight line distance of about 150 meters without affecting traffic safety at night.



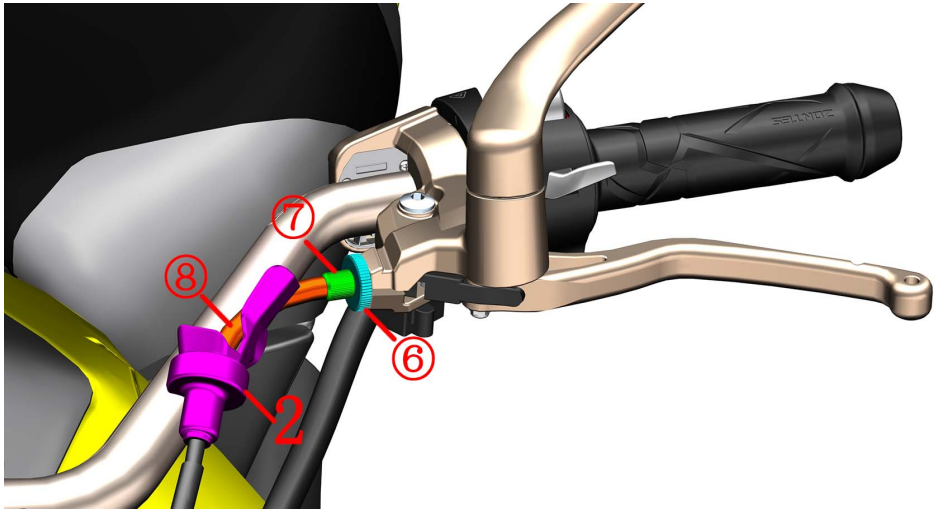


Fig.3 FRONT FORK COMPONENT		Replacement clutch cable	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1154200-021000	ZT310－VX Clutch line	1	
2	1244200-046000	ZT310－V protective rubber sleeve	1	

PROCEDURE:

●Remove the cluch line

Use an 14# open-end wrench to loosen the nuts ② and ③; fix the adjusting screw ①, rotate the nut ② up to the top of the thread of the adjusting screw, and screw the nut ③ to the bottom to completely separate from the thread. Separate the clutch wire core connector from the bracket ⑤, close the nut ③ to the black sheath with one hand, and remove the adjustment screw ① from the bracket ④ with one hand.

First, the protective rubber sleeve (2) is retracted to the elbow ⑧ and the nut ⑥ is loosened with the pliers; the nut ⑥ and the adjusting screw ⑦ are rotated to the same position as the groove on the rocker arm, and remove the cable from the rocker arm seat.

Remove the clutch line.

Remove the protective sleeve (2) from the clutch cable(1).

●Install the clutch line

Put protective rubber sleeve (2) into clutch elbow.

After inserting the clutch cable joint into the rocker arm, screw the nut ⑥ and the adjusting screw ⑦ to the groove on the rocker arm.

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

Rotate the nut ② up to the top of the thread of the adjusting screw, and screw the nut ③ to the bottom to completely separate from the thread.

Take the nut ③ close to the black sheath with one hand and insert the adjustment screw ① into the bracket ④ with one hand.

Insert the clutch core connector into the hole of the bracket ⑤.

Initially position the nut ② first, adjust the free stroke adjustment in the clutch cable adjustment, and then lock the nut ③.

Finally, reset the protective rubber sleeve (2).

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.

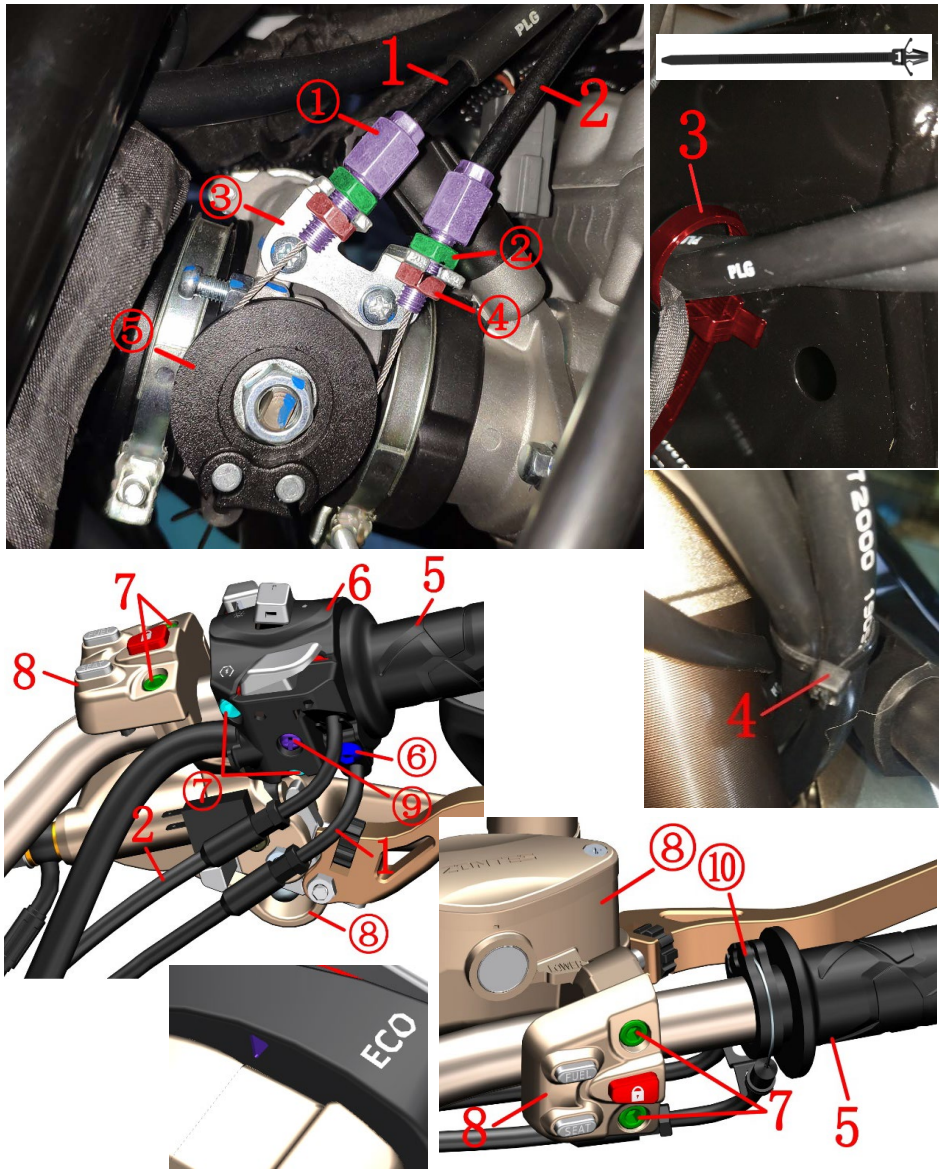


Fig.4 FRONT FORK COMPONENT		Replace the throttle line	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1154200-023000	ZT310－VX Throttle Refueling	1	
2	1154200-022000	ZT310－VX Throttle Return Line	1	
3	1224100-030000	Pin tie (Black 4.8×130）	1	
4	1224100-051000	0 Flame retardant tie (black 2.5×100)	1	
5	1244100-042000	ZT250－R Right handlebar rubber sleeve	1	
6	1184200-185000	ZT310－V1 Right handlebar switch	1	
7	1250205-031091	GB70.1M6×30 (stainless steel)	2	10N.m
8	1184200-147000	ZT310-R Second-generation right hand switch (TFT)	1	

PROCEDURE:

●Disassemble the throttle line

Use a 10# open-end wrench to turn the nut ② of the throttle fuel line (1) or return line (2) up to the end, turn the nut ④ downwards out of the adjusting pipe 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 adjustment tube upwards over the bracket ③ on the throttle valve and pull outwards to separate the core from the bracket.Similarly, remove the oil return line.

Pass the throttle line out of the slot of the plug strap (3) and do not cut the strap (3). Find the cable tie (4) on the right side of the body and cut it.

Using 5# inner hexagon socket loosen the bolts (7) ; remove the sub switch (8) and the right brake rocker arm assembly ⑧ in the direction of the arrow and lock the bolt (7).Always keep disc brake main pump ⑧ high.

Hold the right hand switch (6) with your hand,Use 5# inner hexagon to remove bolts ⑥ and ⑦, and then remove bolt ⑨ that comes with the switch. Switch the upper and lower parts of the switch.

Remove the throttle cable from the right hand and remove the rubber sleeve (5) from the core turntable ⑩, and then remove it from the cable hole in the lower part of the switch.

●Install the throttle line

First pass the throttle cable into the cable hole in the lower part of the switch. Fit the cylindrical connector of the throttle cable into the turntable ⑩ on the right hand gripper . Return the oil return line card to the limit slot provided on the fuel line.Tighten the bolt ⑥ with a 5# inner hexagon tool, the torque is 8～10N.m. The switch mounting hole is slightly twisted a few times for the rear bolt⑦ and the bolt⑨ is locked after observing the positioning hole and the direction of the lower part of the switch (6).Finally, tighten the bolt ⑦ and tie the tie (4). Cut off the excess. Reset the sub switch and rocker assembly and note the symbol on the alignment switch.

Install the throttle cable into the slot of the hub clamp (3).

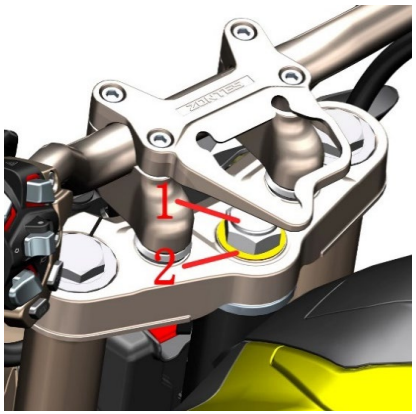
Turn the nut ② of the throttle refueling line (1) or the return line (2) up to the end, and turn the nut ④ downwards to the adjustment pipe ①.

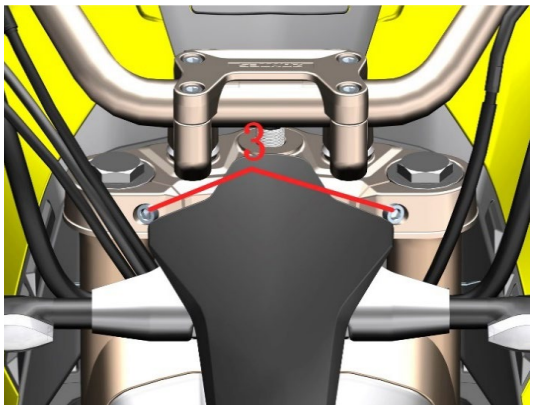
Put the oil return line into the bracket ③, and fit the connector into the turntable ⑤.

Put the oil line into the bracket ③, then turn the turntable ⑤ to a certain angle, and then insert the connector.

Refer to the method of adjusting the gap to adjust the throttle line clearance; after adjusting the left and right direction of rotation, there should be no change in idle speed and flexible reset.

Lock nuts ② and ④.





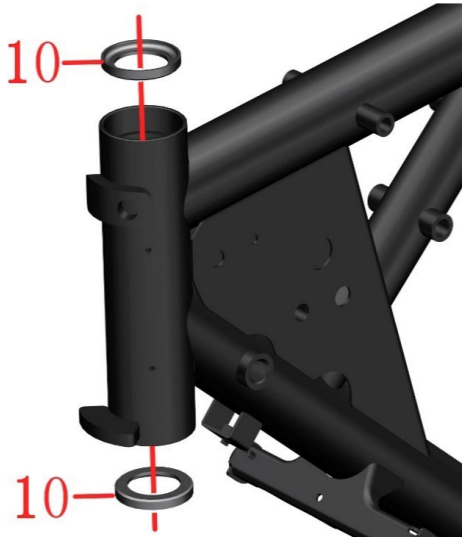


Fig.5 FRONT FORK COMPONENT		Steering adjustment	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251300-045000	ZT250－S Upper connection plate decorative nut	1	100N.m
2	1251500-050000	ZT250－S Upper connection plate gasket φ18.5×φ39×1	1	
3	1250205-023000	GB70.1 Hexagon M8×35 (color zinc)	2	22～24N.m
4	1134100-007000	ZT250－S Adjusting nut lock washer	1	
5	1251300-046093	ZT250－S Direction column adjusting nut M24X1	2	
6	1244100-015000	ZT250－S Adjusting nut pad	1	
7	1224100-005000	ZT250－S Direction column dust cover	1	
8	1130900-024000	ZT250－S Shaft ring	1	
9	1130900-022000	ZT250－S Conjoined steel ball	2	
10	1130900-026000	ZT250－S Seat ring	2	

PROCEDURE:

●When the front fork is slightly swaying or when the direction handle is swung

Check if the pressure of the front tire is the recommended air pressure at room temperature: 250 kPa.

If it is lower than the recommended air pressure, the front tire pressure should be inflated to 350 kPa first, and then deflated to 250kPa. If it is otherwise 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 no, continue to operate.

●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 if the left and right rotations are not flexible.

Adjust the adjustment nut:

Remove the trim nut (1) with a 30# spanner, remove the spacer (2), and remove the bolt (3) with the 6# Allen tool. The direction of the upper board assembly wrapped with a clean cloth and then placed to prevent scratches. Remove the lock washer (4); remove the upper adjustment nut (5) with a special four-jaw shank or hook wrench and remove the pad (6).

If the steering resistance is too large, turn the lower adjustment nut (5) counterclockwise. If the brake is slightly swaying or swings, rotate clockwise. The torque is about 14N.m. It is appropriate.

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 pad (6); the torque requirement of the decorative nut (1) is 100 Nm.

● 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 connecting ball (9), remove the directional column & front shock absorber & front wheel assembly, and check the shaft ring and the connecting steel ball for abnormal wear or rust . At the same time, inspect the seat ring (10) in the standpipe in front of the frame for abnormal wear or rust. The newly replaced conjoined steel ball should be evenly greased, pay attention to the amount of grease.

CAUTION:

●If the steering is adjusted too tightly, the steering force will be greater. If the steering is too loose, the front of the motorcycle will be slightly shaken during braking, and adjustments must be made according to the actual needs of the driver.

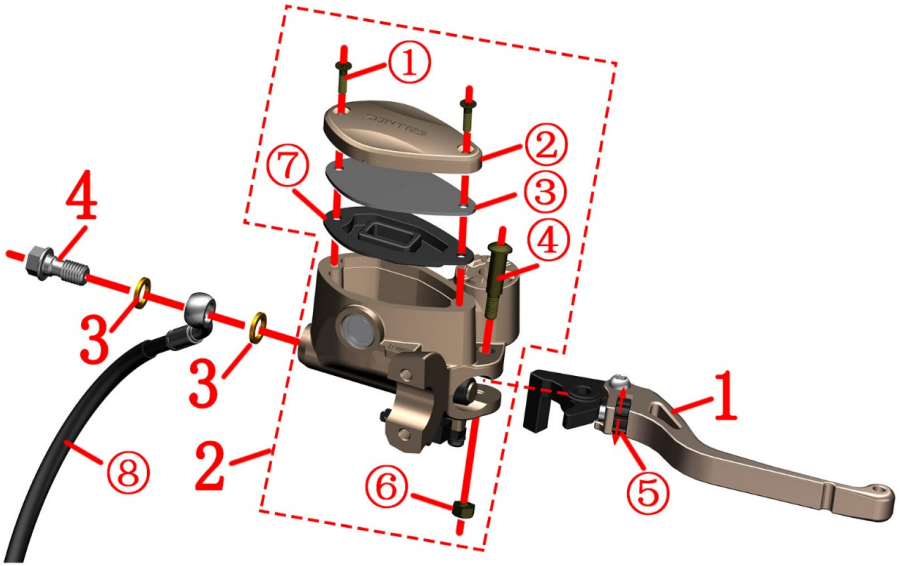


Fig.6 FRONT FORK COMPONENT		Add brake fluid, rocker adjustment	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1134100-032000	ZT250－R Right Hand Rocker (Machine)	1	
2	1100300-044000	Front brake main pump component (without handle)	1	
3	1251513-013000	Disc brake copper washer φ15×φ10.2×1.5	2	
4	1251100-112000	Disc brake oil pipe bolt M10×1－22	1	32N.m

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.

PROCEDURE:

● Front disc brake main pump

Fix the front disc brake main pump, remove the bolt (4) and copper pad (3) with the 12# 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 6# hexagon socket tool to fix the bolt ④. Then use a 10# socket or box wrench to remove the nut ⑥. Remove the bolt④ and remove the rocker arm (1).

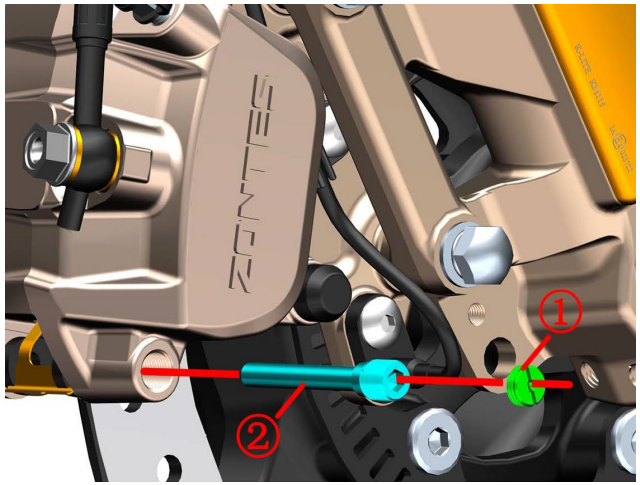
●Add brake fluid

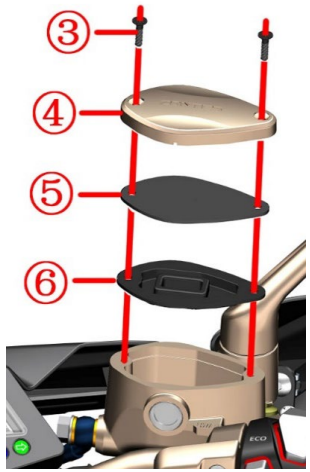
Before driving the motorcycle, check whether the brake fluid level is above the “LOWER” marking. If not, check the brake disc or brake disc for wear and whether there is any oil leakage or oil leakage in the brake system. Abnormal needs to add brake fluid.

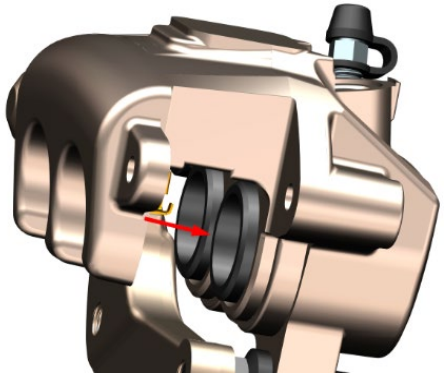
The brake fluid can only be added after the motorcycle is fixed horizontally.

Remove the bolt ① with a Phillips screwdriver and remove the upper cover②, the cover plate③, and the seal gasket ⑦. 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.







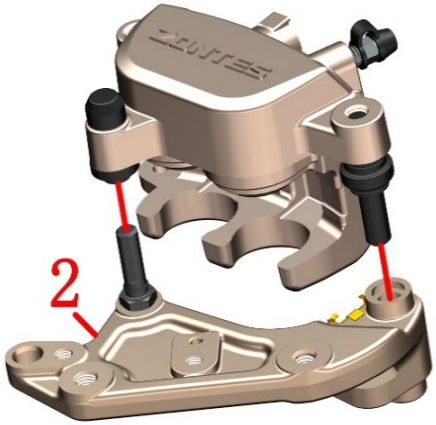


Fig.7 FRONT FORK COMPONENT		Replace the front brake pad	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1100100-091000	ZT250－S Front disc brake pad (H10)	1	after-sales
2	1100100-570000	ZT310－T front brake caliper mounting plate	1	after-sales

PROCEDURE:

●Replace the front brake pad

Use a screwdriver to remove the nut①.

Remove pin ② with a 5# hexagon tool.

Remove the brake pad (1).

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

Use a Phillips screwdriver to remove the bolt ③ on the front brake main pump assembly, remove the top cover ④, cover plate ⑤, and seal gasket ⑥.

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 pad, be sure to place the brake pad close to the card slot, as shown on the left.

Lock the pin ② with a 5# hexagon tool.

Use a flathead screwdriver to lock the nut①.

Repeatedly holding the brake handle until braking force is restored.

●Front brake caliper mounting plate

Remove the mounting plate (2) from the caliper. Be careful not to lose the shrapnel of the front brake caliper.

CAUTION:

●The motorcycle support should be fixed before operation.

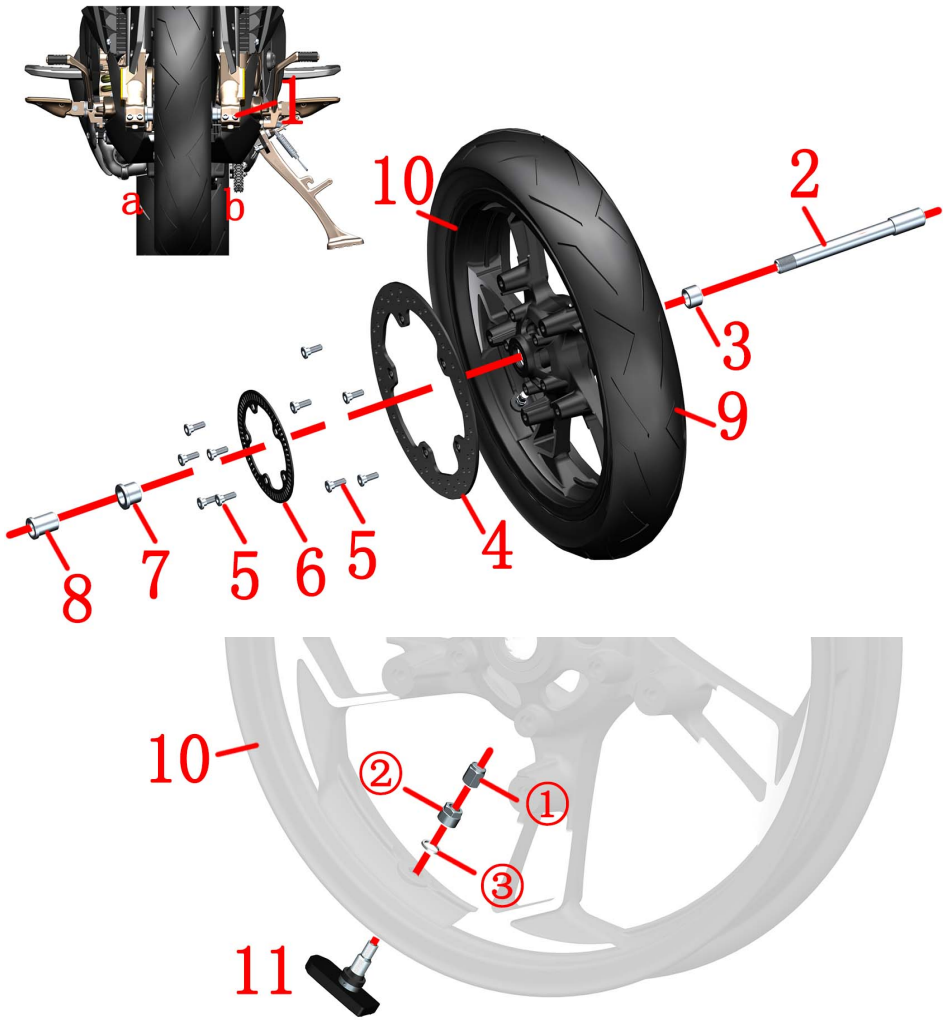
●Check the brake discs and brake discs regularly for wear. Regularly check if the brake fluid level in the observation window of the front disc brake master pump is 3/4.

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

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

●After replacing the brake pads, the new brake pads should be operated for about 300 km to fully run in order to achieve the best braking effect. Take care to leave enough braking distance during running-in.

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



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

Brake disc: After replacing the brake disc, the new brake disc should be operated for about 300 kilometers to fully run in order to achieve the best braking effect. Be careful to leave enough braking distance during running-in.

Fig.8 FRONT FORK COMPONENT		Front wheel component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250205-023000	GB70.1 Hexagon 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 (300×4.5)	1	
5	1251100-117093	Non－standard internal hexagon bolt M8×25	10	25N.m
6	1274200-058000	ABS gear ring(60T)	1	
7	1094100-036000	ZT250－R Front right axle sleeve	1	
8	1094100-037000	ZT250－R Front wheel right fixed bushing	1	
9	1230100-479000	110/70R17(CM638R) Environmental vacuum front tire	1	250kPa
10	1094200-026000	ZT310－R Black front rim (3.0×17)	1	See notice
11	1184200-155000	ZT310 tire pressure wireless built-in sensor	1	

PROCEDURE:

●Tire and wheel assembly

Remove the 2 bolts (1) on the left front shock absorber bottom b with the 6# Allen tool.Hold the front wheel first and then remove the hollow shaft (2) with the 17# internal hexagon tool,emove 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

Using 6# inner hexagon socket remove the bolt (5) and then remove the ABS ring gear (6) and the brake disc (4).

●Tire pressure wireless built-in sensor

Remove the valve cap① that comes with the tire pressure wireless built-in sensor,use a tool to release the air, and then use a professional tire puller to remove the rear tire (9), taking care to avoid the tire pressure sensor. Finally, use a 12# wrench to remove the valve nut ② and the flat washer ③, and then remove the tire pressure sensor.

CAUTION:

●Use a suitable tool to support the motorcycle to prevent accidents caused by dumping during disassembly.

●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 items

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.

Rim: Check the rim for any deformation, cracks, etc. Rotate the rim horizontally to check for stuck, oscillating, etc.

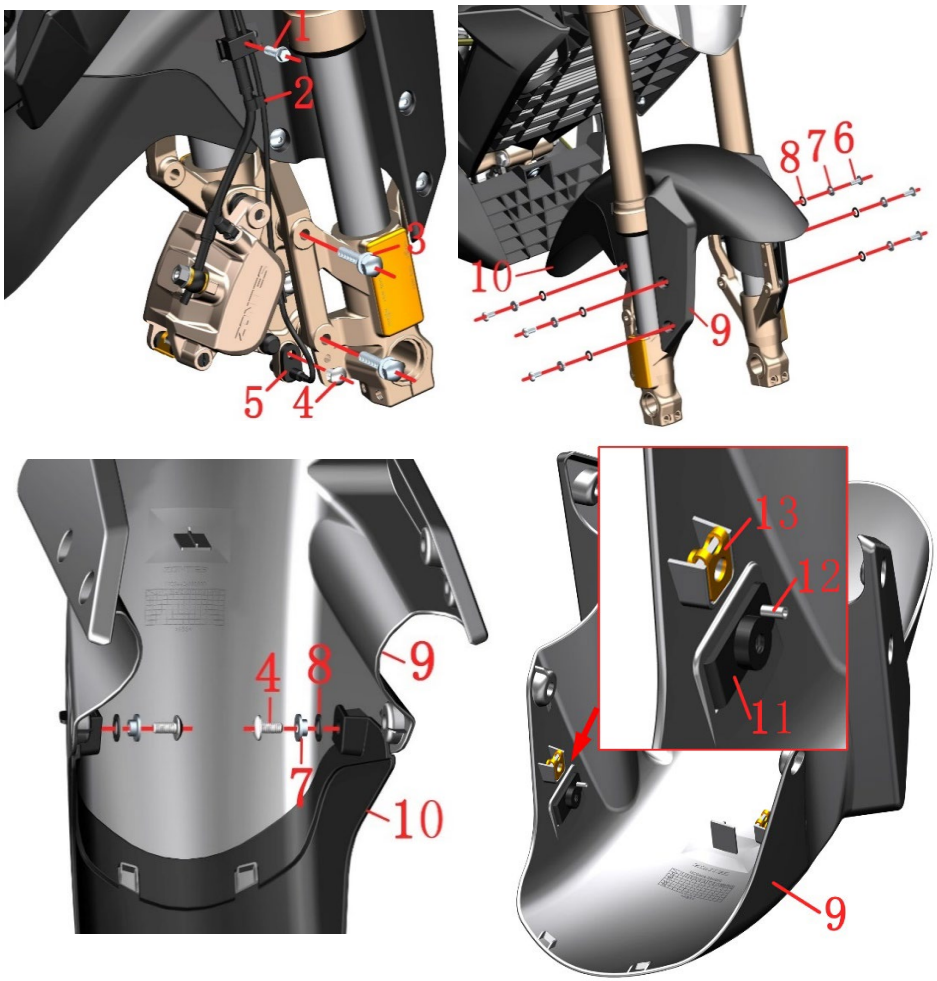


Fig.9 FRONT FORK COMPONENT		Front mudguard & wheel speed sensor component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-061093	M6×22 Hex flange face full thread bolt	1	
2	1224100-044000	Wheel speed sensor clamp	3	
3	1251100-080094	Non－standard bolt M8×37 (color zinc)	2	
4	1251100-101000	Non－standard bolt M6×12 (304 stainless steel)	3	
5	1184200-045000	DF30wheel speed sensor	1	
6	1251100-102000	Non－standard bolt M6×16 (304 stainless steel)	6	
7	1274100-057095	Flanging bushing φ6.2×φ8.5×3.5＋φ14×1.5	8	
8	1244100-052000	Buffer rubber of flanging bushing （φ8.5×φ14×1）	8	
9		ZT310－V front fender assembly	1	
10	1224200-107000	ZT310－V front fender extension baffle	1	
11	1274200-038000	ZT310－X Front mudguard front oil pipe fixing seat	1	after-sales
12	1250402-001091	GB12615φ3×10	1	
13	1251300-063093	Plywood M6×11×15（color zinc）	2	

PROCEDURE:

●Wheel speed sensor

Pull out the plug of the wheel speed sensor(5); then remove the clamp(2).Use 4# inner hexagon to remove bolt (4), and remove sensor (5).

●Front disc brake caliper

Use a 8# sleeve to remove the bolt (1); use a 14# sleeve to remove the bolt (3), let the caliper sag naturally, and it is strictly forbidden to invert the caliper. It is forbidden to invert the caliper to prevent the air from entering and causing the brake to fail.

●Front mudguard

Remove the 6 bolts (6) with the 4# hexagonal tool by hand and remove the bushing (7) and cushion rubber (8).

Flip to the back, remove the two bolts (4), and remove the bushing (7) and cushion rubber (8). Separate the front fender (9) from the extended baffle (10) .

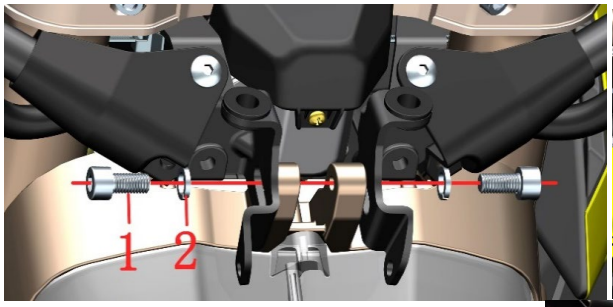
Remove the two splint nuts (13) from the front fender (9)

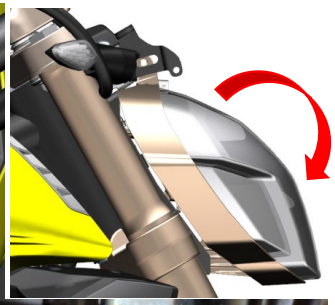
The inside of the front mudguard can be protected with reticle or double-sided tape around the rivet (12), then the rivet is ground off with a small sander, and the fixing seat (11) are removed.

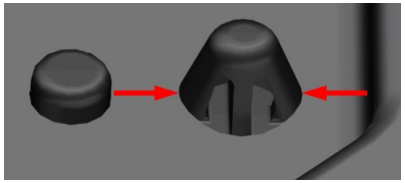
CAUTION:

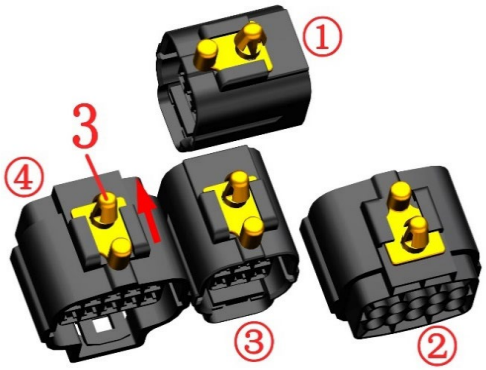
●Pay attention to the strength when disassembling the front mud plate to prevent scratching the paint surface.

●The front fender assembly already includes a tapping tube mount (11) and a rivet (12).Rivets need to be assembled with professional tool.









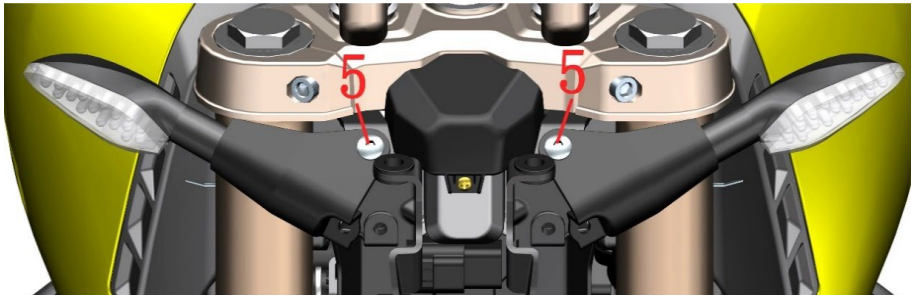


Fig.10 FRONT FORK COMPONENT		Headlights assembly 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250205-040095	GB70.1 inner hex bolt M8×16（color Zinc）	2	
2	1250501-007093	GB93φ8(color zinc）	2	
3	1224200-008000	ZT310－R line card nail	4	
4	1224100-037000	0 grade flame retardant cable tie (black 3.6×295)	2	
5	1251100-102000	Non－standard bolt M6×16 (304 stainless steel)	2	

PROCEDURE:

●Headlights assembly

Refer to the steps of the front light adjustment to remove the decorative cover on the headlights and turn the turn signal assembly up.

Remove the bolts (1) on both sides with a 6# hexagon socket and remove the spring washer (2).

Turn the headlight assembly in the direction of the arrow; expose all cable connectors.

Cut two tie straps (4).

Pull the wire clip (3) from the back of the storage box with a pointed tip and pull it out of the storage box.

First pull out the turn signal line head ⑤.

Then separate all the plugs from the main cable and arrange all the cables.

Remove the line plug from the back of the 4 plugs, ① headlight, ② right hand switch, ③ faucet lock switch, and ④ left hand switch (3).

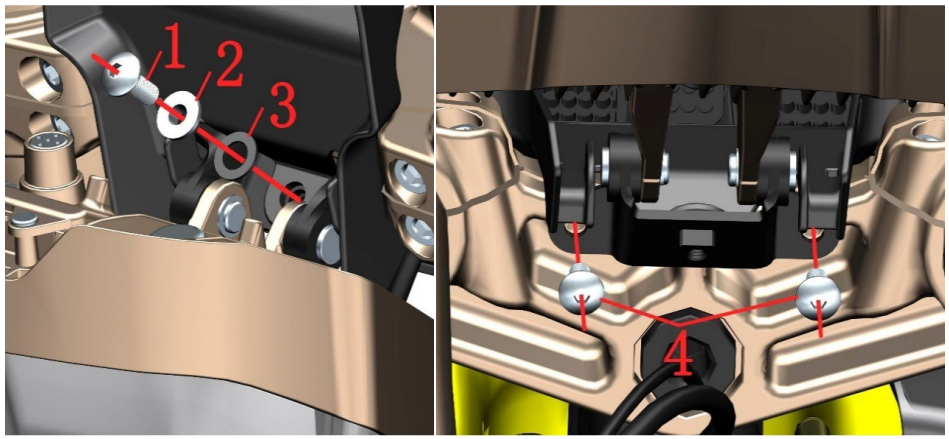
●Turn signal assembly

Remove the bolts (5) after grasping the left and right turn signal assemblies and remove them.

CAUTION:

●Pay attention to the strength when removing the line plug.

●Pay attention to all cables in the original wiring when reassembling.



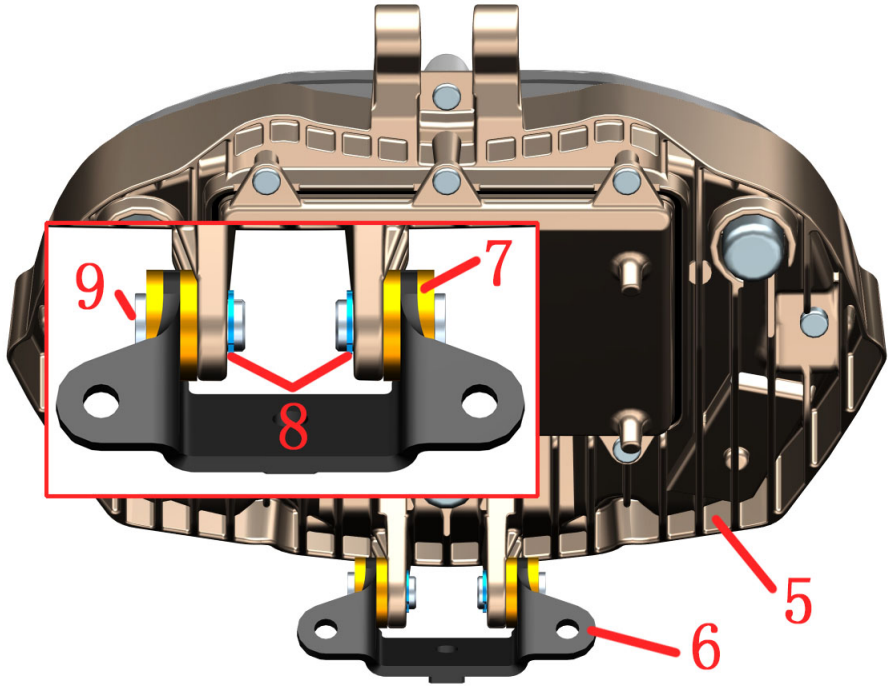


Fig.11 FRONT FORK COMPONENT		Headlights assembly 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non－standard bolt M6×16（304 stainless steel）	1	
2	1274100-057095	Flanging bushing φ6.2×φ8.5×3.5＋φ14×1.5	1	
3	1244100-052000	Buffer rubber of flanging bushing （φ8.5×φ14×1）	1	
4	1251100-102000	Non－standard bolt M6×16（304 stainless steel）	2	
5	1174200-026000	ZT310 －V headlight	1	
6	1274200-133000	ZT310－V headlight lower bracket	1	
7	1240400-007000	Battery holder buffer aprons	2	
8	1264100-006000	ZT250－S Pedal circlip	2	
9	1274200-024000	ZT310－R Front light rotated pin	2	

PROCEDURE:

●Headlight assembly

Turn the headlight assembly forward to expose the bolt at the bottom of the storage box, Using 4# inner hexagon socket remove the bolt (1),and remove the bushing (2) and cushion rubber (3).

Turn the headlight upside down, and remove the two bolts (4) at the bottom of the lower link plate with a 4# inner hexagon.

Remove the headlight assembly

Remove the two pin shanks (8) and remove the two pins (9)

Separate the headlights (5) from the bracket assembly

Remove two pieces of cushion rubber (7) from the bracket (6)

CAUTION:

●Protect protective measures to prevent scratching the lampshade or paint finish.

●The headlights use imported LED light sources. It is recommended not to change the internal structure of the headlights. It is forbidden to destroy the sealing structure of the headlights, prevent water mist from forming inside the lamps and affect driving safety.

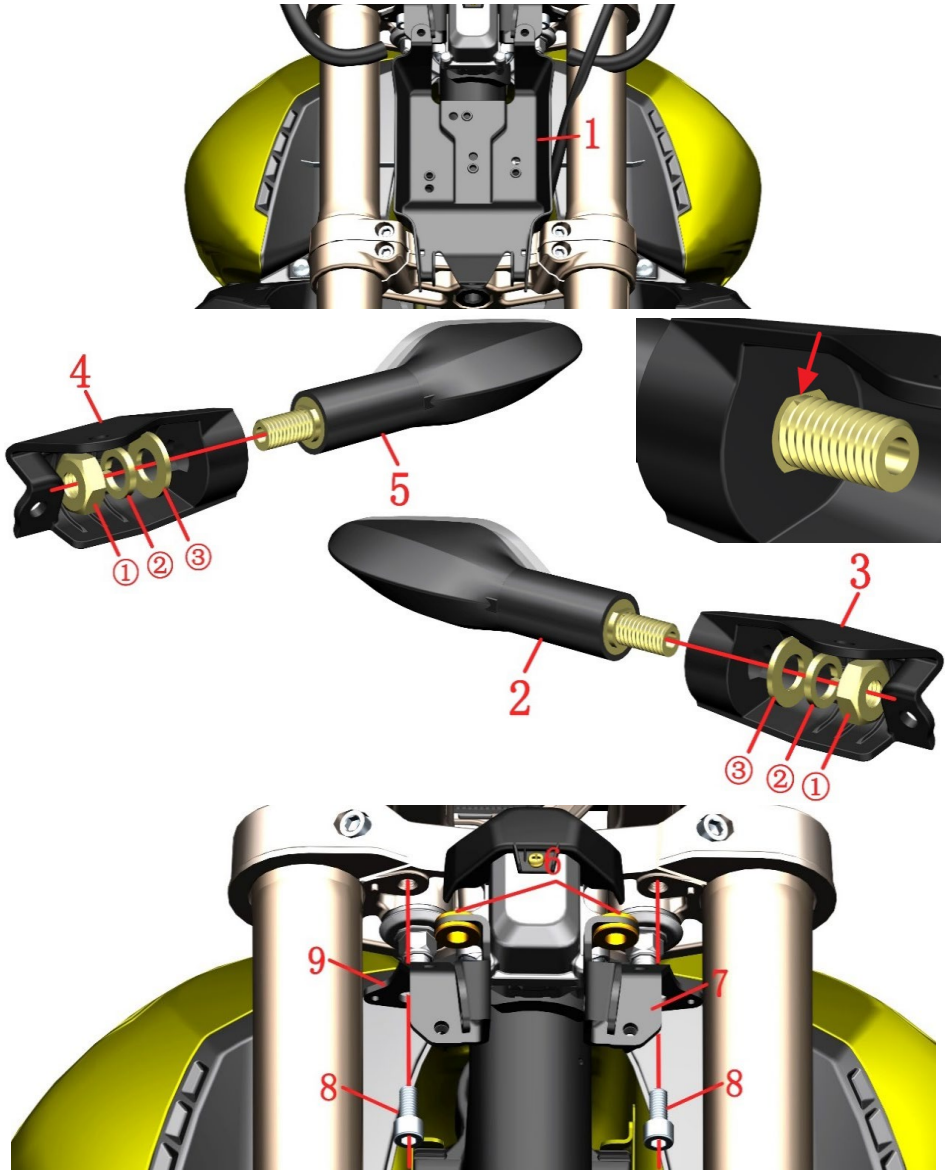


Fig.12 FRONT FORK COMPONENT		Headlights assembly 3	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224200-121000	ZT310 －V storage box	1	
2	1170300-063000	HJ125-K front left turn signal light	1	
3	1224200-122000	ZT310－V front turn signal left bracket	1	
4	1224200-123000	ZT310－V front turn signal right bracket	1	
5	1170300-064000	HJ125-K front right turn signal light	1	
6	1244100-004000	ZT250－S Flanging bushing buffer	2	
7	1274200-132000	ZT310－V headlamp left bracket	1	
8	1250205-040095	GB70.1 inner hex bolt M8×16（color Zinc）	2	
9	1274200-134000	ZT310－V headlamp right bracket	1	

●Storage box

Remove all the cables and remove the cable box (1)

●Turn signal assembly

Turn the turn signal assembly to the back, use the 17# open-end wrench to remove the nut ① that comes with the turn signal, and remove the spring pad ② and the gasket ③. Separate the turn signal from the bracket.

●Headlight bracket

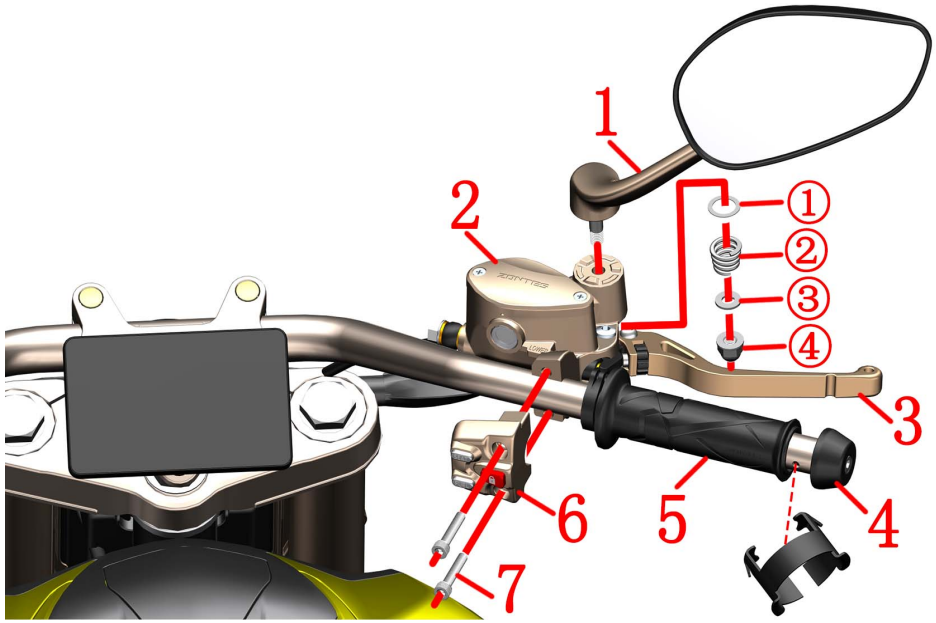
Remove 2 pieces of cushion rubber (6)

Grasp the left bracket (7) or the right bracket (9) and then remove the bolt (8) with 6# inner hexagon.

CAUTION:

●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.

●Note that the positioning boss on the turn signal corresponds to the slot on the bracket



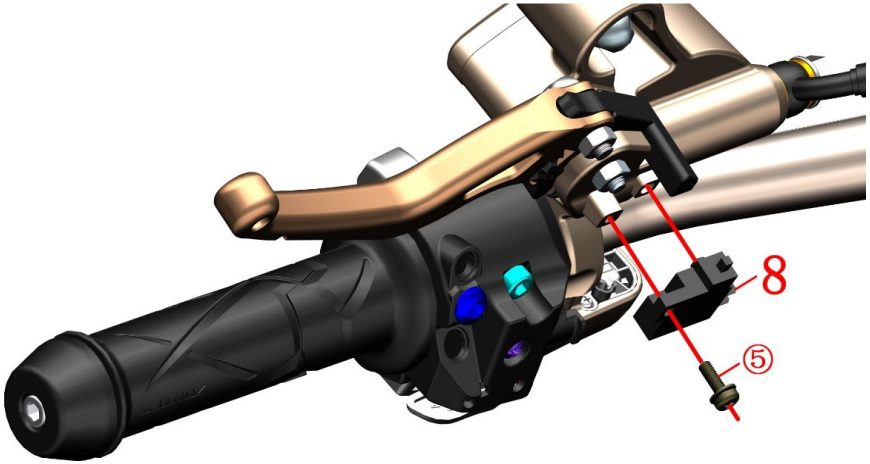


Fig.13 FRONT FORK COMPONENT		Right handlebar component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1190100-409000	ZT310－VX Right rearview mirror	1	
2	1100300-044000	Front disc brake main pump component(without handle)	1	
3	1134100-032000	ZT250－R Right Hand Rocker (Machine)	1	
4	1134200-023000	ZT250－R Balancing block	1	
5	1244100-042000	ZT250－R Right hand rubber sleeve	1	
6	1184200-147000	ZT310－R Second Generation Right Handlebar Switch	1	
7	1250205-031091	GB70.1M6×30 (stainless steel)	2	10N.m
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 13# 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 5# 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:

●The motorcycle should be fixed after horizontal support.

●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.

●The old model will be discontinued; the old switch can be replaced directly with the new one.

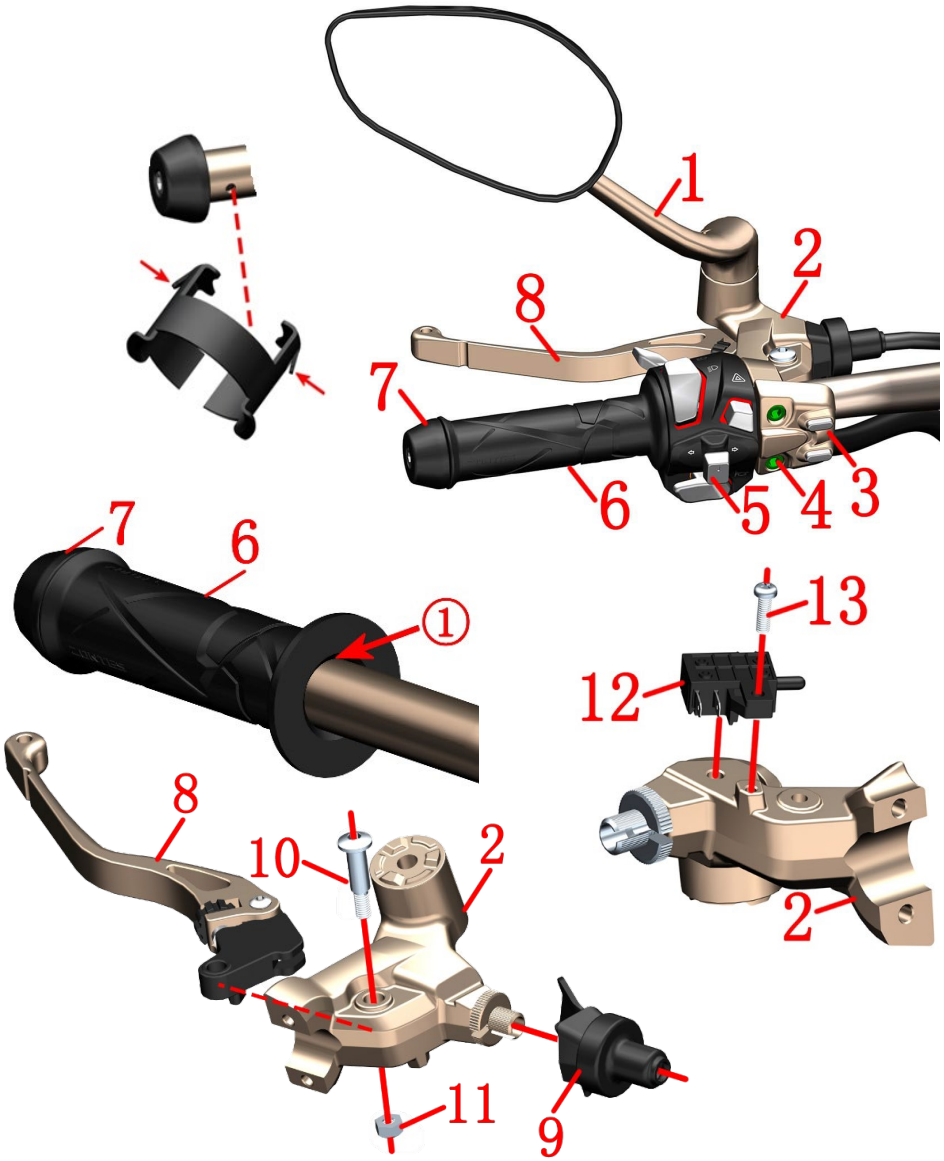


Fig.14 FRONT FORK COMPONENT		Left hand component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1190100-408000	ZT310－VX left rear view mirror	1	
2	1134200-011000	ZT310－V left hand rocker arm component	1	
3	1184200-144000	ZT310－X Second Generation Left Handlebar Switch	1	
4	1250205-031091	GB70.1M6×30 (stainless steel)	2	10N.m
5	1184200-141000	ZT310－X1 Left handlebar switch	1	
6	1244100-041000	ZT250－R left hand rubber sleeve	1	
7	1134200-023000	ZT250－R balance block	1	
8	1134200-010000	ZT310－V left hand rocker arm (machine plus)	1	
9	1244200-046000	ZT310－V protective rubber sleeve	1	
10	1251100-198000	Non－standard bolt M6×13－φ8×20	1	
11	1251300-073000	GB/T6185 nut M6	1	
12	1184200-170000	ZT310－V clutch switch	1	
13	1250201-039000	GB818 cross recessed pan head screw M4×12（color zinc）	1	

PROCEDURE:

●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 sub switch(3), bolt(4), 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

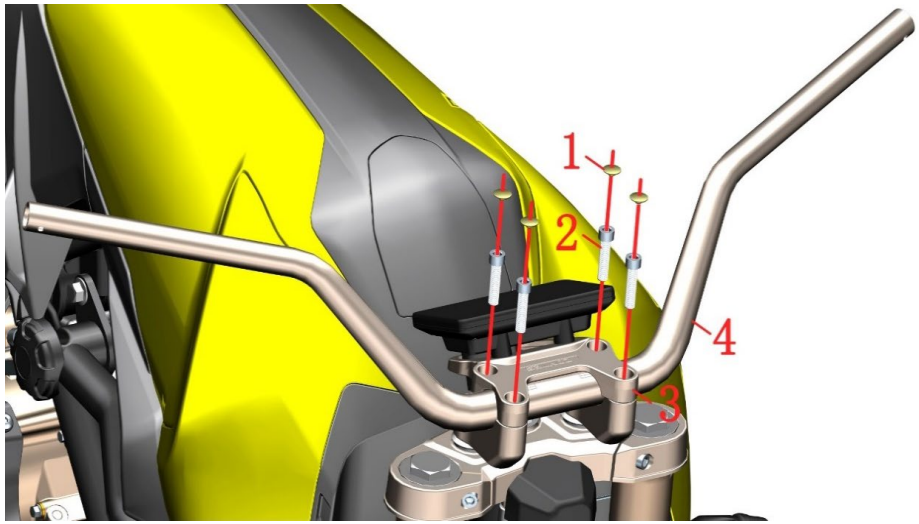
Use a blow gun to blow the left hand grip between the rubber sleeve(6) and the direction handle tube while moving the rubber sleeve inward until the balance block positioning hole is exposed. Use the tool to press the convex part at both ends of the elastic piece on the balance block and pull out the balance block assembly(7). Use a blow gun and move the outer sleeve to remove the left hand grip(6).

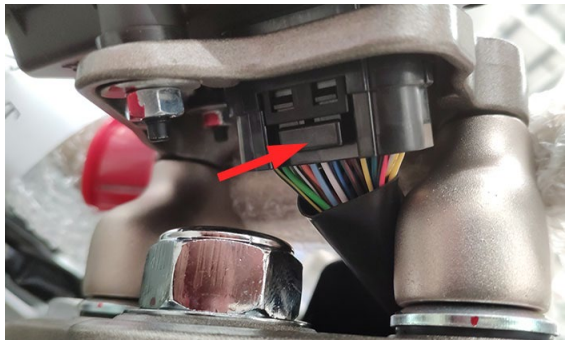
●Replace the left hand rocker arm and clutch switch

Fix the bolt(10) with a 5# hexagonal tool, then remove the nut(11) with a 10# 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 half cover seam alignment switch.





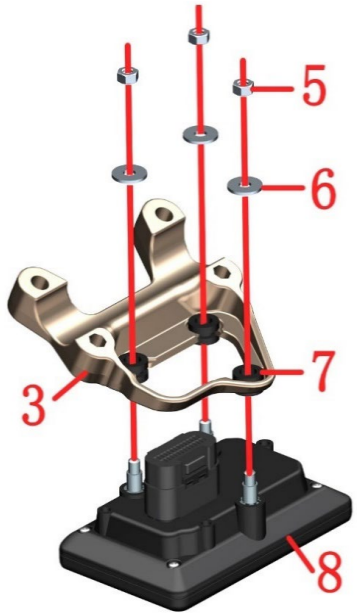


Fig.15 FRONT FORK COMPONENT		Direction handle&TFT Instrument	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	4044102-001051	ZT250－S M8 bolt decorative buckle(titanium matte)	4	
2	1250205-023000	GB70.1 Hexagonal M8×35	4	
3	1032142-062051	ZT310－V direction clamp	1	
4	1134200-026000	ZT310－VX Direction	1	
5	1250301-020093	GB6170M6（environmental color）	3	8～12N.m
6	1250502-010093	GB96.1φ6（environmental color）	3	
7	1244200-092000	ZT310 TFT instrument cushioning rubber	3	
8	1164200-025000	ZT310 TFT instrument (60 teeth/Bosch)	1	

PROCEDURE:

●Directional components

The instrument connector above the upper plate nut presses the limit buckle at the arrow indication and unplugs the connector in the direction of the upper plate.

Use a blade to pick up the decorative buckle (1), hold the direction handle (4) in one hand, and remove the bolt (2) with a 6# hexagonal tool in one hand; remove the clamp (3) and finally remove the direction handle (4).

●Instrumentation components

Turn the meter and the pressure block assembly to the back and use a 10# sleeve to remove the nut (5), remove the gasket (6), and remove the meter (8). Take care to protect the meter screen.

Remove the cushion rubber (7) from the direction of the clamp (3).

CAUTION:

●Protect protective measures to prevent scratching the appearance of the instrument case and the decorative cover

●Pay attention to the strength when opening the decorative cover clip to prevent the staple from breaking due to excessive force.

●When assembling the clamping block, please tighten the two bolts at the front first, and then tighten the bolts at the rear (close to the fuel tank side). Wrong sequence or diagonal locking may break the briquette.

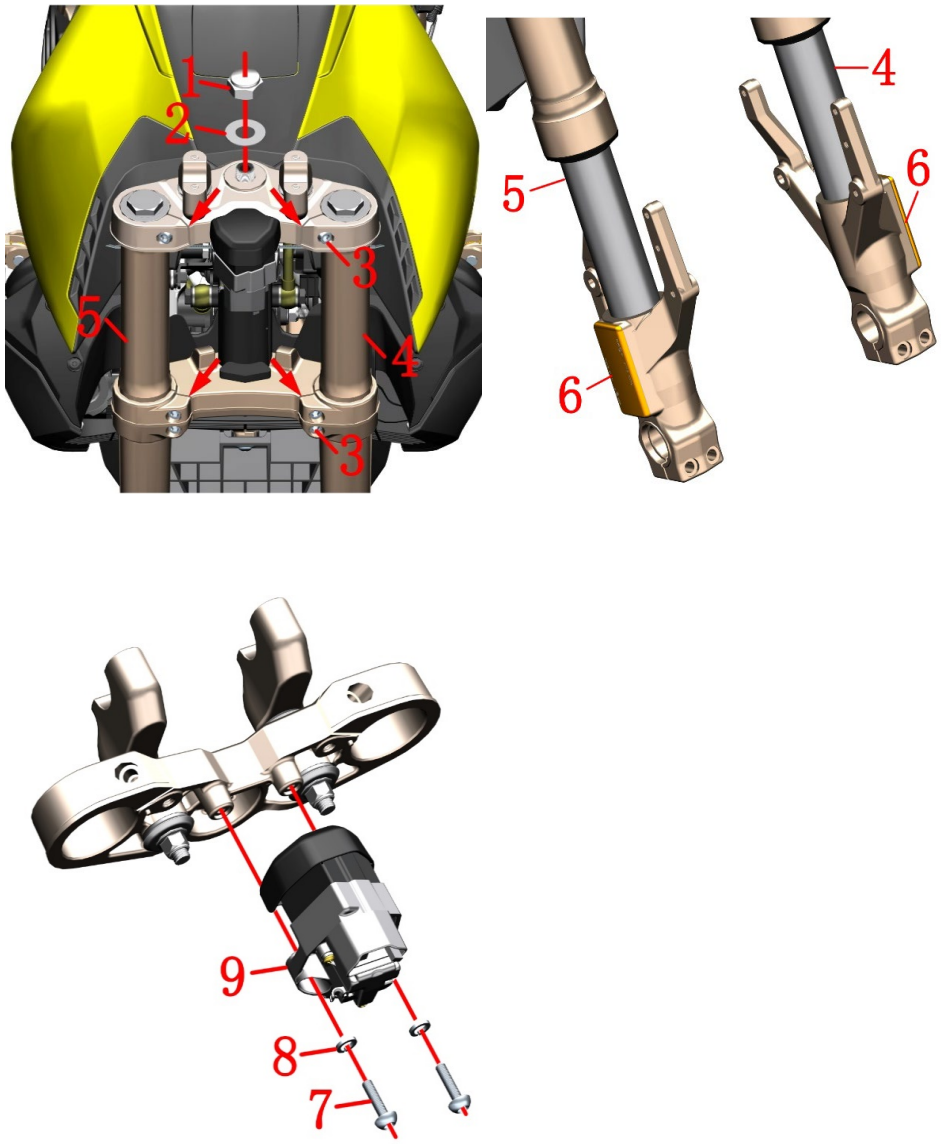


Fig.16 FRONT FORK COMPONENT		Front shock absorber, upper plate component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251300-045000	ZT250－S upper plate decorative nut (chrome plated)	1	
2	1251500-050000	ZT250－S upper plate gasket φ18.5×φ39×1	1	
3	1250205-023000	GB70.1 Hexagonal M8×35 (environmental color zinc)	6	25N.m
4		ZT310－V front left shock absorption(improve)	1	Includede reflective sheet
5	1114200-030000	ZT310－V front right shock absorption(improve)	1	
6	1174100-001000	Reflection light（KM115）	2	after-sales
7	1251100-121093	Non－standard bolt M6×25 (environmental color)	2	
8	1250501-007093	GB93φ8（environmental color zinc）	2	
9	1184200-139000	ZT310 faucet lock (electromagnetic drive / line length 150) assembly	1	

PROCEDURE:

●Uplink board assembly

Use a 30# sleeve to remove the nut (1), and remove the gasket (2).

Use 6# inner hexagon to remove the upper link plate bolt (3).

●Front left and right shock absorption

Using 4# inner hexagon socket remove the bolts(3) of the lower plate,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 (4) and the right shock absorber(5). under. Remove the upper plate assembly.

●Reflecting film

Reflective sheets are sold separately for sale (no replacement shock absorption). 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 bolt (7) with 6# inner hexagon, and remove spring washer (8) and faucet lock (9).

CAUTION:

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

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

●For the disassembly of the lower board components, see "Steering Adjustment" above, which will not be repeated here.

●Switch to improved from June 4,2021.Older models requires two shocks switch to an improved version.

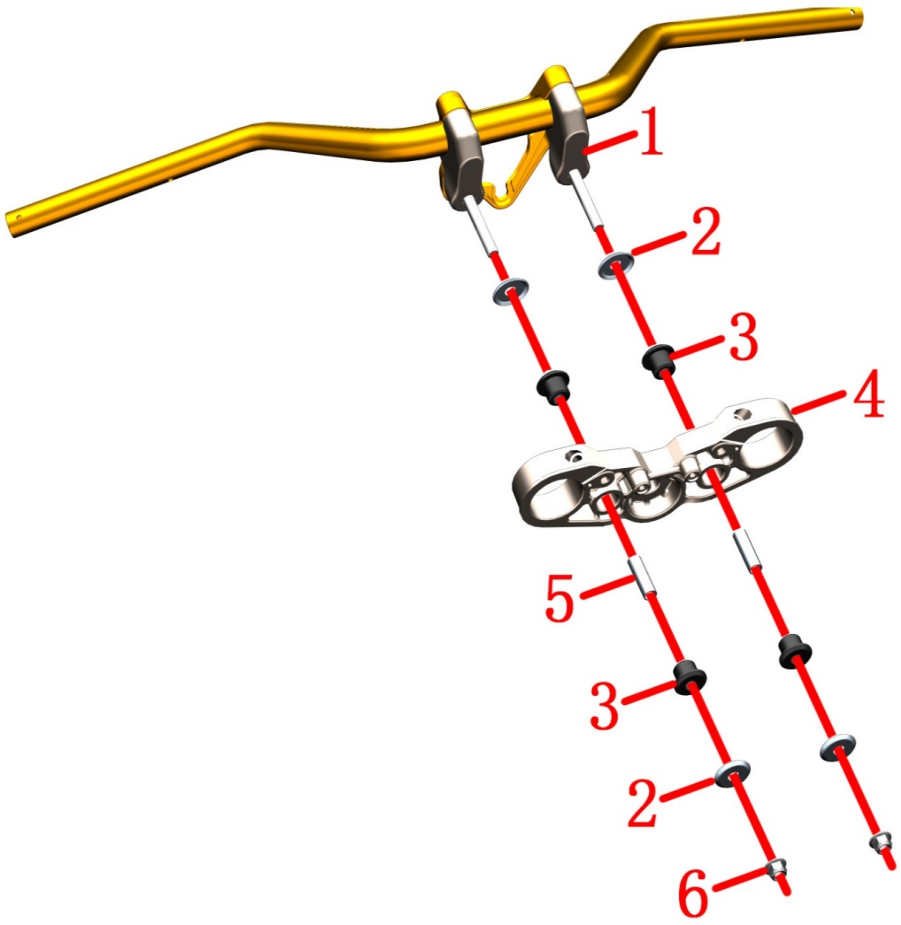


Fig.17 FRONT FORK COMPONENT		Uplink plate, direction handle block component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1134200-019000	ZT310－V direction pad assembly	2	
2	1274200-018000	ZT310－R upper plate gasket	4	
3	1244200-008000	ZT310－R upper plate buffer rubber	4	
4	1134200-004000	ZT310－R upper plate	1	
5	1251700-065000	ZT310－R bushing φ10×φ12×41	2	
6	1251300-057093	Non－standard nut M10×1.5 (Dacro)	2	40N.m

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.

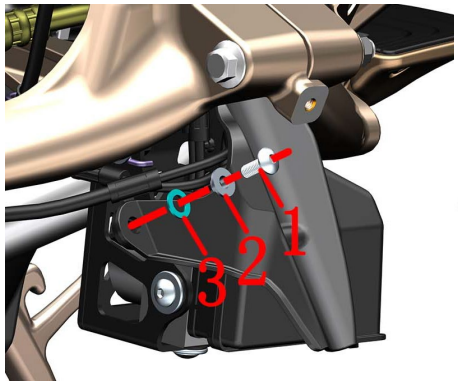
Remove nut (6) with a 14# sleeve,remove the gasket(2), cushion rubber(3), and bushing(5).Remove the upper plate(4).

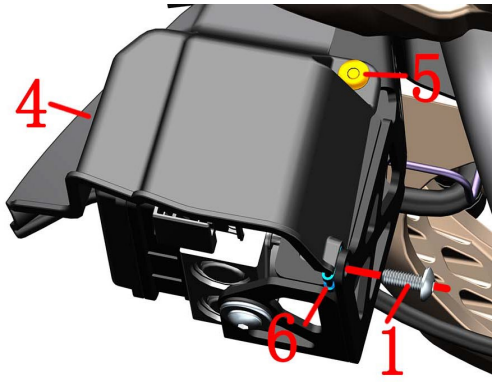
The spacer(1), the upper clamp and the direction handle are disassembled.

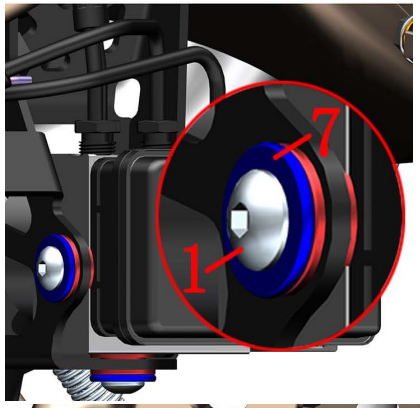
CAUTION:

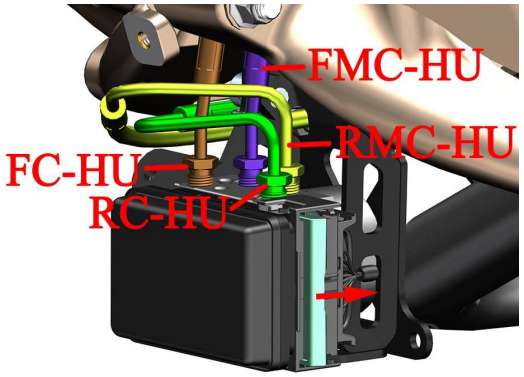
●Protect protective measures to prevent scratching the appearance of parts.

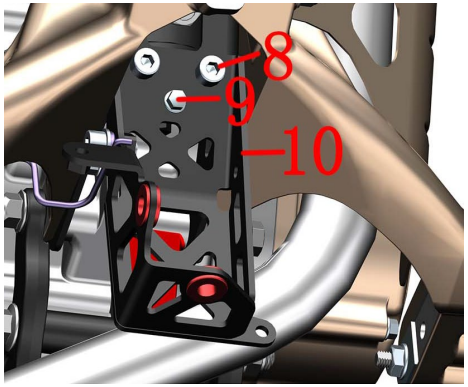
●When reassembling, it is necessary to use the direction to ensure that the center and direction of the spacers on both sides are coaxial with the center. First install 4 pieces of cushioning rubber into the upper plate and then install the bushing separately. Make sure that the bushing is flush with 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.











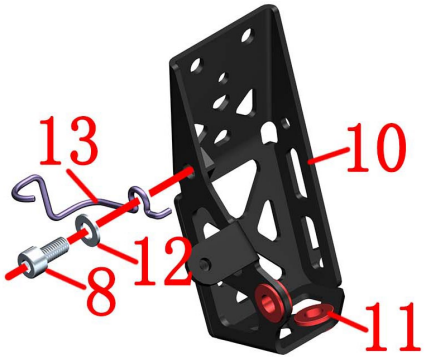


Fig.18 FRONT FORK COMPONENT		ABS brake system－1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non－standard bolt M6×16 (304 stainless steel)	4	
2	1274100-057095	Flanging bushing φ6.2×φ8.4×3.5+φ14×1.5	1	
3	1244100-052000	Buff bushing cushioning rubber (φ8.5×φ14×1)	1	
4	1224200-140000	ZT310－V hydraulic control unit protective cover	1	
5	1224100-010000	ZT250－S expansion nail	1	
6	1251300-063093	Plywood M6×11×15（color zinc）	1	
7	1274100-007000	ZT250-S flanging sleeve(φ6.4×φ9×6＋φ20×2)	2	
8	1250205-040095	GB70.1 inner hexagonal M8X16 (color zinc)	3	
9	1251112-001093	M6×16 Hexagon flange bolts (color zinc)	1	
10	1274200-192000	ZT310－V hydraulic control unit mounting bracket	1	
11	1244100-004000	ZT250－S Flanging bushing buffer	2	
12	1250503-021093	GB97.1φ8 (environmental color)	1	
13	1274200-301000	ZT310-V rear disc brake oil pipeline hook	1	

PROCEDURE:

●Hydraulic control unit cover

Remove bolt (1) with 4# inner hexagon on the right side, remove the bushing (2) and the cushion rubber (3).

Remove the expansion screw on the left side (5).

Using 6# inner hexagon socket remove the bolt (1) and remove the protective cover assembly.

Remove the splint nut (6) from the protective cover (4).

●Hydraulic control unit

Push the cable connector push rod in the direction of the arrow on the left side to unplug the connector.

Using 4# inner hexagon socket remove the two bolts (1) and remove the bushing (7).

●Brake fluid

Refer to the previous step of adding brake fluid to remove the upper cover, cover and sealing gasket of the front and rear disc brake main oil cups. Place the oil pan underneath. After wearing the waterproof gloves, pull out the hydraulic control unit and tilt it to the right side. Use an open-end wrench to loosen the nut joints of the four oil pipes. After the brake fluid is discharged, remove the hydraulic control unit and wipe off the oil. Be careful not to let the brake fluid come into contact with the cable connector to prevent poor contact due to corrosion. RC-HU is connected to the hydraulic control unit and rear brake caliper; RMC-HU is the rear disc brake main pump; FC-HU is the front disc brake caliper; FMC-HU is the front disc brake main pump.The torque standard of the 4 oil pipe nut joints of the hydraulic control unit is 18N.m.

●Hydraulic control unit bracket

Remove 2 pieces of cushion rubber (11) from the bracket (10).

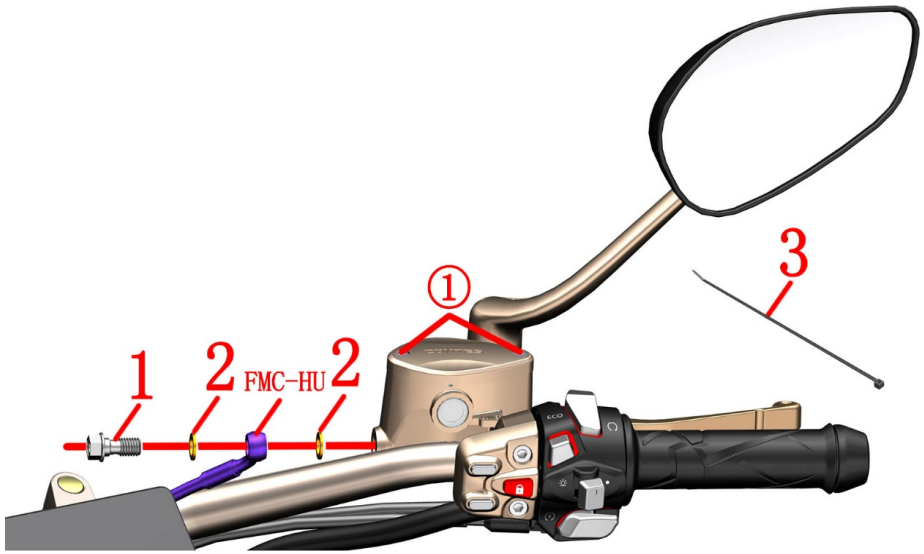
Use 6# inner hexagon to remove bolt (8); use 8# sleeve to remove bolt (9) and then remove hydraulic control unit bracket (10).

Remove the bolt (8) with a 6# inner hexagon, then remove the gasket (12), and then remove the hook (13).

CAUTION:

●Be sure to disassemble the muffler and engine after they have cooled down completely. The horizontal support of the vehicle should be fixed before disassembly and assembly work.

●The precautions for brake fluid are described in the previous section.



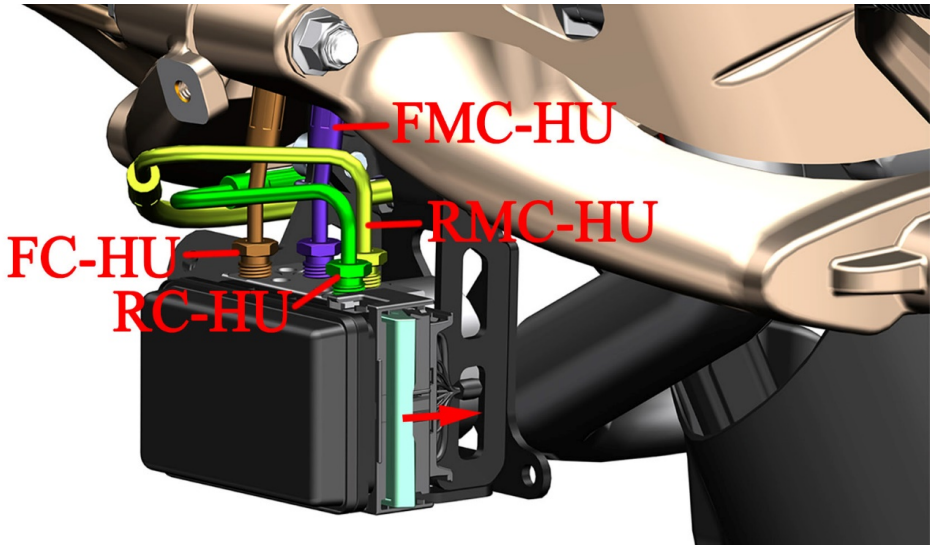


Fig.19FRONT FORK COMPONENT		ABS brake system－2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-112000	Disc brake tubing bolt M10×1－22	1	32N.m
2	1251513-013000	Brake brake tubing copper washer φ15×φ10.2×1.5	2	
3	1224100-037000	0 grade flame retardant cable tie (black 3.6×295)	3	

PROCEDURE:

●Front disc brake main pump

Cut three straps (3)

Place the oil pan under the hydraulic control unit。

In the previous step of the parameter, remove the hydraulic control unit cover and the brake fluid step to connect the FMC-HU tubing to the hydraulic control unit.

After wearing the waterproof gloves, remove the bolts (1) with a 12# sleeve; remove the copper washers (2).Remove the FMC-HU tubing. It is recommended to replace the two copper washers (2) at the same time when replacing the tubing. The bolts (1) can be replaced if they are not damaged.

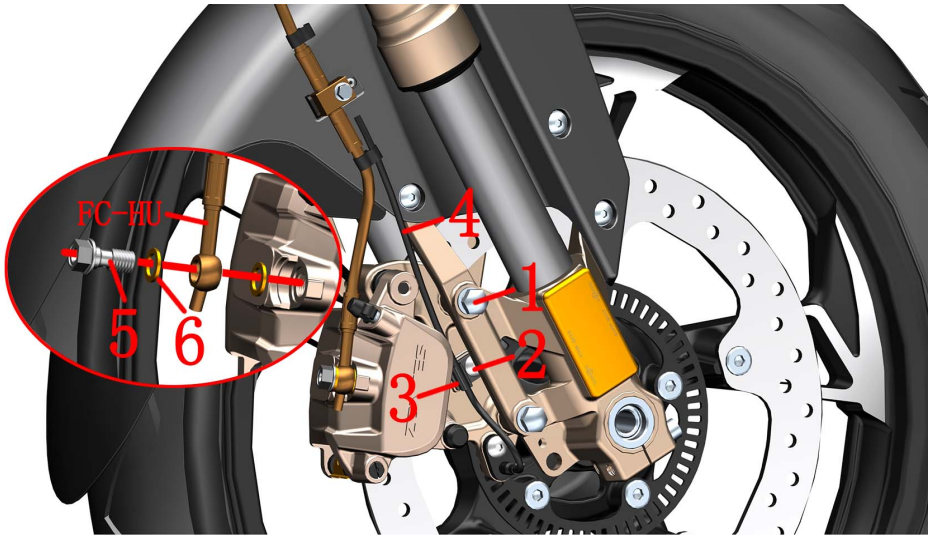
Wipe the end faces of the bolt (1) and the front disc brake main pump before replacing the FMC-HU tubing. After installing the tubing, add DOT4 brake fluid and vent the brake system. Detailed steps can be found in Adding Brake Fluid.

CAUTION:

●Be sure to disassemble the muffler and engine after they have cooled down completely. The horizontal support of the vehicle should be fixed before disassembly and assembly work.

●The precautions for brake fluid are described in the previous section.

●The torque standard of the four tubing nut joints at the pilot unit is 18N.m



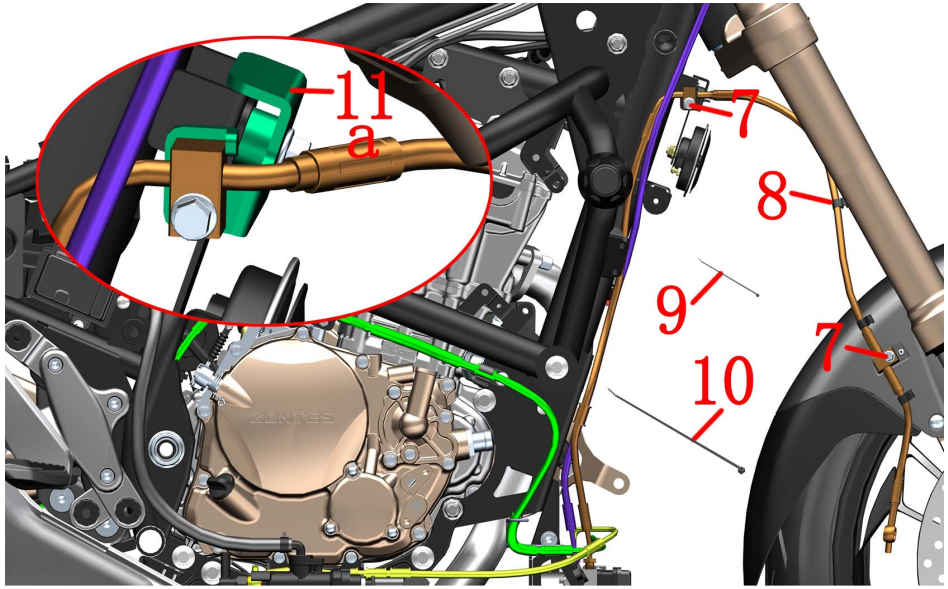


Fig.20FRONT FORK COMPONENT		ABS brake system－3	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-080094	Non－standard bolt M8×37 (environmental color zinc)	2	
2	1251100-101000	Non－standard bolt M6×12 (304 stainless steel)	2	
3	1224200-127000	Zt310－t front wheel WSS wire clip	1	
4	1184200-045000	DF30 wheel speed sensor	1	
5	1251100-112000	Disc brake tubing bolt M10×1－22	1	32N.m
6	1251513-013000	Brake brake tubing copper washer φ15×φ10.2×1.5	2	
7	1251100-061093	M6×22 hex flange face full thread bolt	3	
8	1224100-044000	Wheel speed sensor clamp	3	
9	1224100-051000	0 grade flame retardant cable tie (black 2.5×100)	1	
10	1224100-037000	0 grade flame retardant cable tie (black 3.6×295)	3	
11	1274200-033000	ZT310－R No.2 oil pipe support of front disc brake	1	

PROCEDURE:

●Brake fluid

Place the oil pan under the front disc brake caliper

After wearing the waterproof gloves, remove the bolts (5) with a 12# sleeve; remove the copper washers (6).

Using 14# sleeve remove the two bolts (1) and remove the front disc brake caliper from the front shock absorber.

First remove the wheel speed sensor (4) from the clamp (3), Then use 4# inner hexagon to remove the two bolts (2), remove the wheel speed sensor (4) and the clamp (3) from the front disc brake caliper. Organize the wheel speed sensor line neatly.

Using 8# sleeve remove the two bolts (7) on the right side.

Cut the straps (9) and (10); remove the 3 clips (8). Then remove the FC-HU tubing. If you need to replace the FC-HU tubing, it is recommended to replace the two copper washers (6) at the same time; the bolts (5) can be replaced if they are not damaged.

●Front disc brake tubing bracket

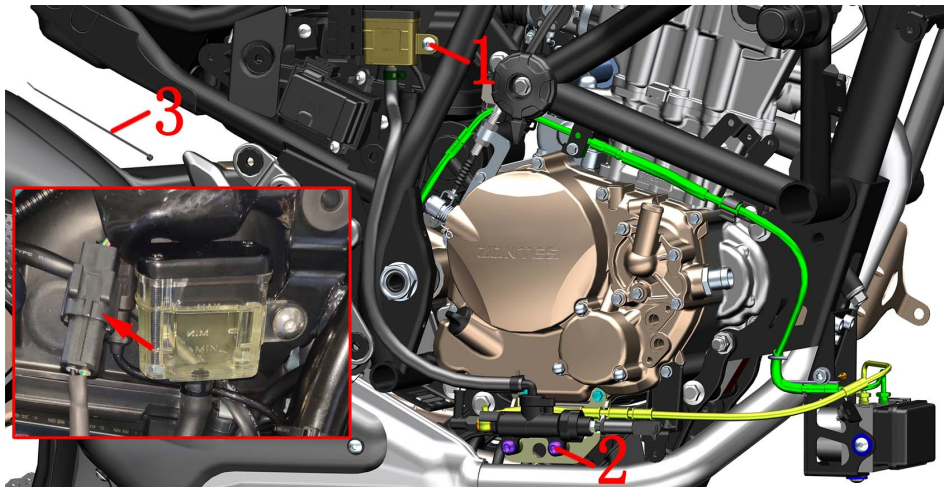
If you only need to replace the oil pipe, you do not need to remove the oil pipe bracket (11). If you need to remove it, remove the bolt (7) at the front(a) to remove the bracket.

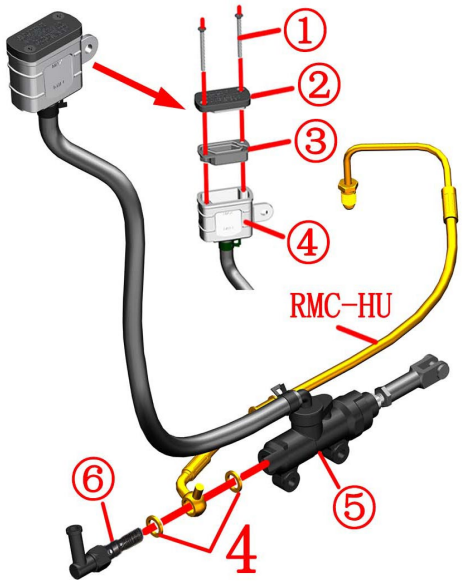
CAUTION:

●Be sure to disassemble the muffler and engine after they have cooled down completely. The horizontal support of the vehicle should be fixed before disassembly and assembly work.

●The torque standard of the four tubing nut joints at the pilot unit is 18N.m.

●It is recommended to replace the two copper washers (6) at the same time when replacing the oil pipe. The bolts (5) can be replaced if they are not damaged.





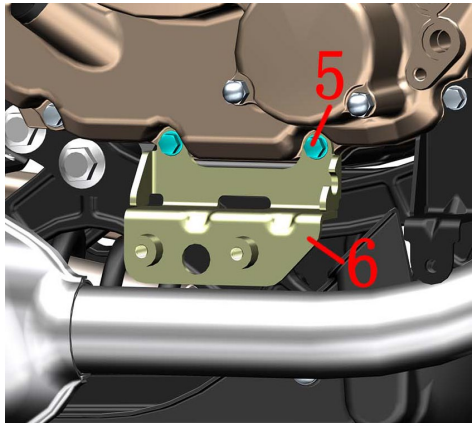


Fig.21FRONT FORK COMPONENT		ABS brake system－4	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non－standard bolt M6×16 (304 stainless steel)	1	
2	1251100-121093	Non－standard bolt M6×25 (environmental color)	2	
3	1224100-037000	0 grade flame retardant cable tie (black 3.6×295)	1	
4	1251513-013000	Brake brake tubing copper washer φ15×φ10.2×1.5	2	
5	1251112-003093	M6×45 Hex flange surface 9.8 bolt (color zinc)	2	
6	1274200-246000	ZT310－V rear disc brake main pump bracket	1	

PROCEDURE:

●Brake fluid

Locate and drop the rear brake switch connector near the rear disc brake main pump oil cup.

Cut the cable tie (3). Remove bolt (1) and two bolts (2) with 4# inner hexagon, remove the rear disc brake main pump assembly.

Place the oil pan under the rear disc brake main pump.

Remove the bolt ① with a Phillips screwdriver after wear waterproof gloves.

Remove the oil cup cover ② and seal the rubber pad ③.

Pour out the brake fluid from the oil cup.

Use the 14# open end wrench to remove the rear brake switch nut ⑥;remove the copper washer (3). The RMC-HU oil pipe, the rear disc brake main pump body ⑤ and the rear brake switch wire ⑥ are split.

Restore the rear disc brake oil cup.

Using 8# sleeve remove the two bolts (5) and remove the bracket (6).

CAUTION:

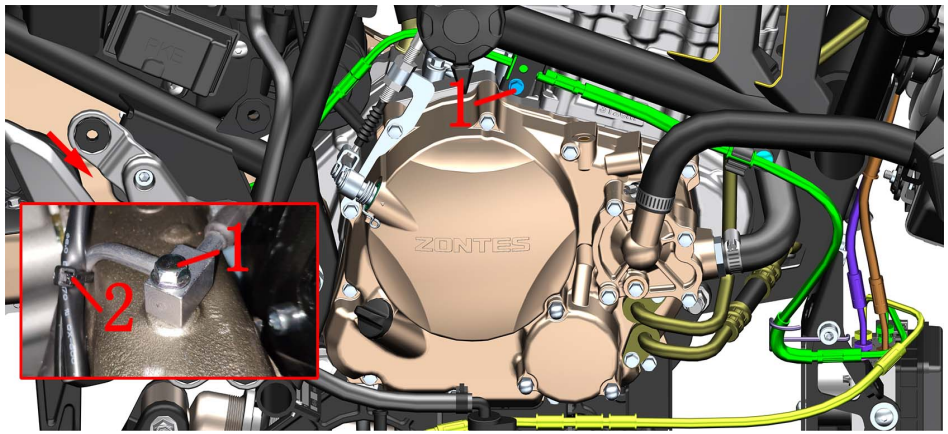
●Be sure to disassemble the muffler and engine after they have cooled down completely. The horizontal support of the vehicle should be fixed before disassembly and assembly work.

●The precautions for brake fluid are described in the previous section.

●It is recommended to replace the two copper washers (4) at the same time when replacing the oil pipe, rear brake switch wire or disc brake main pump.

●The rear brake switch wire is prohibited from rotating the rubber cap at the arrow indication. Replace this switch wire. Be careful not to wrap the cable around the tool.

●The torque of the four oil pipe nut joints at the pilot unit is 18 N.m.



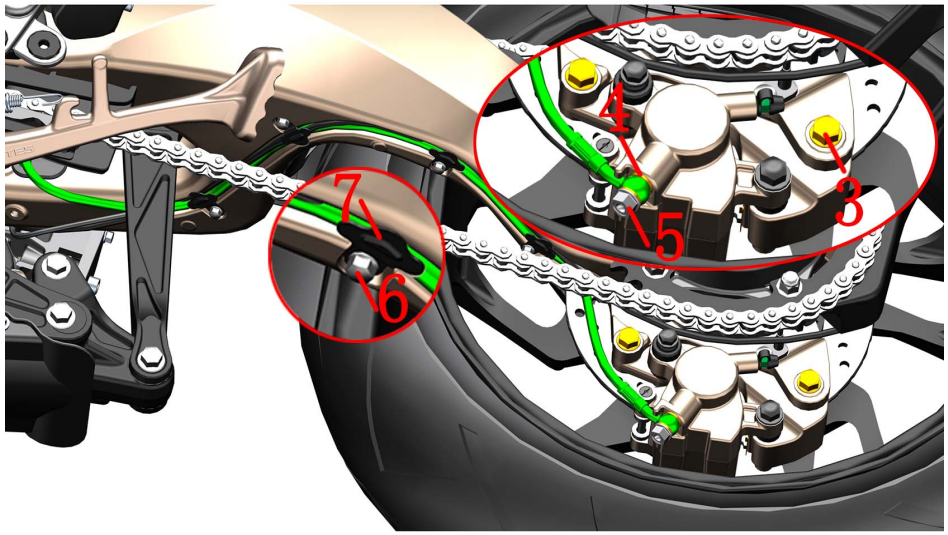


Fig.22FRONT FORK COMPONENT		ABS brake system－5	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-061093	M6×22 hex flange face full thread bolt	2	
2	1224100-037000	Grade 0 flame retardant tie (black 3.6×295)	3	
3	1251100-123093	Non－standard bolt M8×25 (color zinc)	2	
4	1251513-013000	Brake brake tubing copper washer φ15×φ10.2×1.5	2	
5	1251100-112000	Disc brake tubing bolt M10×1－22	1	
6	1250104-006097	GB16674M6×12 (chromed/HH)	4	
7	1274200-119000	Single rocker rear flat fork tubing bracket	4	

PROCEDURE:

●RC-HU Oil Pipe

Rear disc brake calipers and hydraulic control unit placed under the oil pan

In the previous step, release the brake fluid. Loosen the nut connecting the RC-HU oil pipe and the hydraulic control unit.

Use an 8# sleeve to remove the bolt (1) at the right guard bar, and take the front section of the oil pipe out of the wire clamp.

Use an 8# sleeve to remove the bolt (1) on the upper right front part of the rear flat fork, and cut off the cable tie (2).

After wearing the waterproof gloves, remove the bolts (5) with a 12# sleeve; remove the copper washers (4),If you need to replace the RC-HU tubing, it is recommended to replace the two copper washers (4) at the same time;the bolts (5) can be replaced if they are not damaged.

Use an 8# sleeve to remove the 4 bolts (6) and remove the 4 oil pipe supports (7).

Take off the RC-HU brake hose.

●Rear disc brake caliper

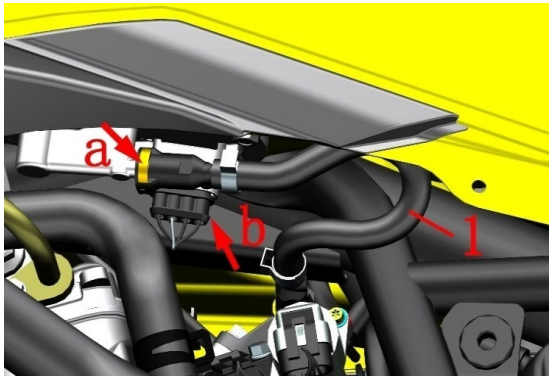
Use a 14# sleeve to remove 2 bolts (3) to take off the rear disc brake caliper.

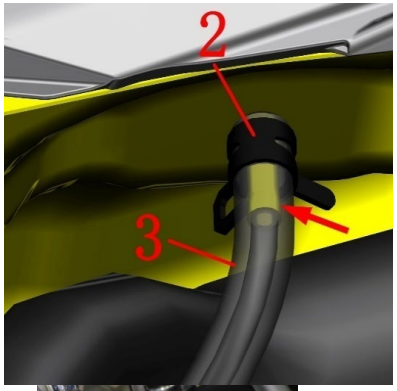
CAUTION:

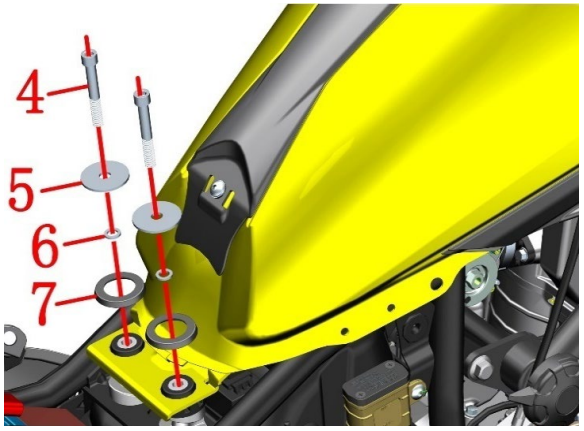
●Be sure to disassemble the muffler and engine after they have cooled down completely. The horizontal support of the vehicle should be fixed before disassembly and assembly work.

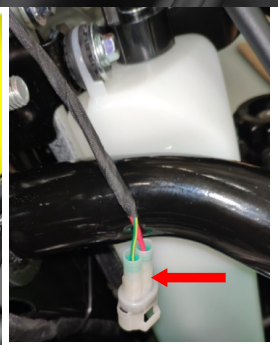
●The precautions for brake fluid are described in the previous section.

●The torque of the four oil pipe nut joints at the pilot unit is 18 N.m.









Fuel tank lock plug

USB plug

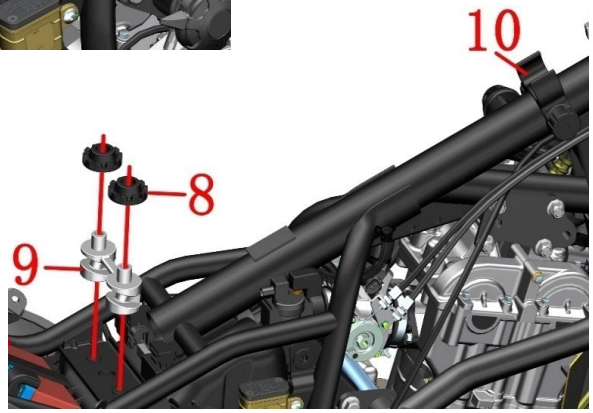


Fig. 1 FUEL TANK COVER COMPONET		Fuel tank assembly	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1050954-027000	ZT310－V EFI high pressure tubing assembly	1	
2	1274200-088000	ZT310 water pipe hoop (φ10.5)	1	
3	1244200-095000	ZT310－V carbon canister adsorption tube (φ5×φ11)	1	
4	1250205-043093	Gb70.1m8×55 (environmental color)	2	
5	1251900-028093	ZT250－R fuel tank flat pad φ9×φ37.5×2	2	
6	1251500-081000	Non－Standard flat pad φ13×φ8.2×1.5 (color zinc)	2	
7	1244100-020000	ZT250－S fuel tank pressure rubber	2	
8	1244100-053000	ZT250－S second generation fuel tank gasket	2	
9	1274100-080000	ZT250－R seat cushion fixing block	1	
10	1244100-019000	ZT250－S tank inner limit rubber	1	

PROCEDURE:

●Fuel tank assembly

Open the fuel tank cover first, and do not close it during the subsequent disassembly.If you accidentally close it, you can find the fuel tank lock plug near the auxiliary water tank. After connecting, re-open the fuel tank cover.

Place the oil pan on the left side under the high pressure oil pipe (1), and press the limit buckle at the direction indicated by the arrow a to pull out at the rear of the car.

Use a pair of pliers to clamp the hoop slightly at the bottom of the right tank and move it down about 30mm, leaving the boss on the tank snorkel.Adsorption tube (3) Remove from the fuel tank.

Using 4# inner hexagon socket remove the bolts (4), remove the flat pads (5) and (6); and press the glue (7).

Pull the fuel tank assembly slightly behind the rear and lift the rear of the fuel tank assembly up.Do not lift too high to prevent fuel from escaping from the snorkel.

Unplug the cable plug b of the oil pump.

Continue to pull the fuel tank assembly back out of the limit rubber(10) and lift it up in parallel,find and uplug the USB charging cable and the fuel tank lock plug on both sides of the head of the fuel tank assembly.

Remove the fuel tank gasket (8), the seat cushion fixing block (9), and the tank liner limit rubber from the frame.

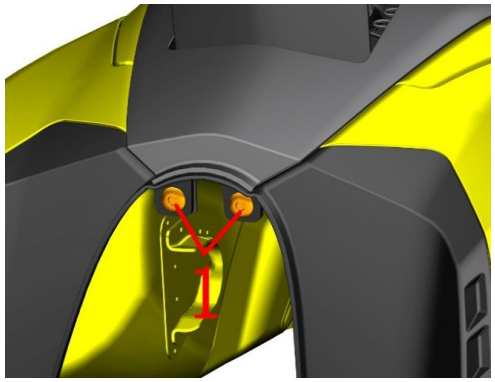
CAUTION:

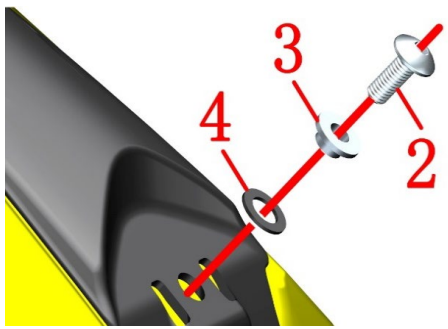
● The fuel tank should be protected during the disassembly process to prevent damage to the paint surface.

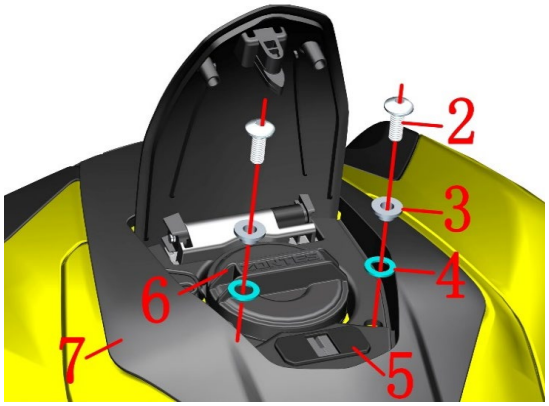
● Before disassembling the fuel tank assembly, it is recommended to use the oil pump to pull out the fuel or use off the fuel

● Fireworks, telephone calls should not be allowed near the motorcycle -removal workshop to prevent accidents.

● A small amount of fuel leaks when pulling out the high pressure tubing subassembly, and should prevent the fuel from dripping to the outside of the engine or the muffler.







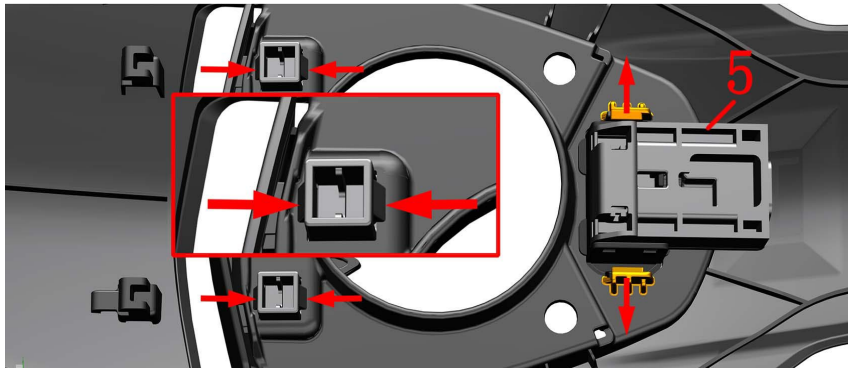


Fig. 2 FUEL TANK COVER COMPONET		Fuel Tank middle cover assembly	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224100-010000	ZT250－S expansion nail	2	
2	1251100-102000	Non－Standard bolt m6×16 (304 stainless steel)	3	
3	1274100-057095	Flanging bushingφ6.2×φ8.4×3.5+φ14×1.5	3	
4	1244100-052000	Buffer rubber of flanging bushing （φ8.5×φ14×1）	3	
5	1184200-002000	ZT310 electronic fuel tank lock	1	
6	1224100-033000	ZT250－S threaded fuel tank cap	1	
7		ZT310－V fuel tank cover	1	

PROCEDURE:

● Tank middle cover assembly

Remove the two expansion pins (1) of the head.

Using 4# inner hexagon socket remove the bolt (2) at the rear of the middle cover and remove the bushing (3) and cushion rubber (4).

Using 4# inner hexagon socket remove the bolt (2) at the fuel tank cap and remove the bushing (3) and cushion rubber (4).

Take off the fuel tank cap(6).

Pull firmly from the round hole of the tank cover to hear the sound, then grab the sides of the middle cover and lift it up, and pull the fuel tank lock cable from the hole in the middle of the cover.

Put the fuel tank cap (6) back into the fuel tank to prevent fuel volatilization and foreign matter from falling into the tank.

● Fuel tank lock

Flip to the back and use a flat-blade screwdriver to carefully open the middle cover (7) to buckle at both ends, remove the fuel tank lock (5), pay attention to the strength to prevent damage to the buckle.

● Fuel tank cover assembly

Use a needle-nose pliers to clamp the buckle of the swivel bracket with a little force to clamp, remove the cover assembly, and take care of the strength to prevent damage.

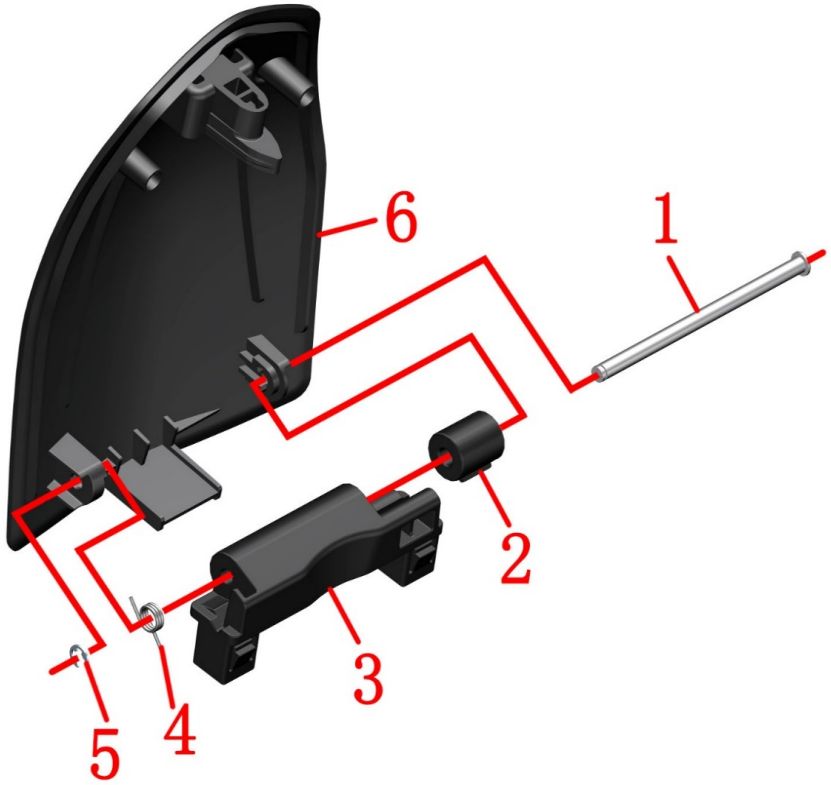
CAUTION:

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

● Pay attention to the force when removing the buckle to prevent damage to the buckle.

● Fireworks, telephone calls should not be allowed near the motorcycle -removal workshop to prevent accidents.

● A small amount of fuel leaks when pulling out the high pressure tubing subassembly, and should prevent the fuel from dripping to the outside of the engine or the muffler.



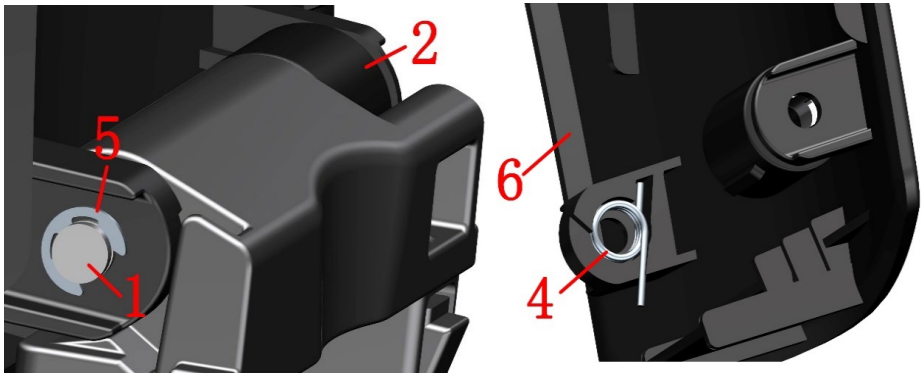


Fig.3 FUEL TANK COVER COMPONET		Change engine oil	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1274100-090000	ZT250－S fuel tank cover rotating shaft	1	
2	1224100-014000	ZT250－S fuel tank cover rotary damping	1	
3	1224200-126000	ZT310－V fuel tank cover rotating bracket	1	
4	1260100-255000	ZT250－S torsion spring of tank outer cover rotating shaft	1	
5	1260100-215000	ZT310－T storage box cover rotating shaft limit circlip	1	
6		ZT310－V fuel tank cover	1	

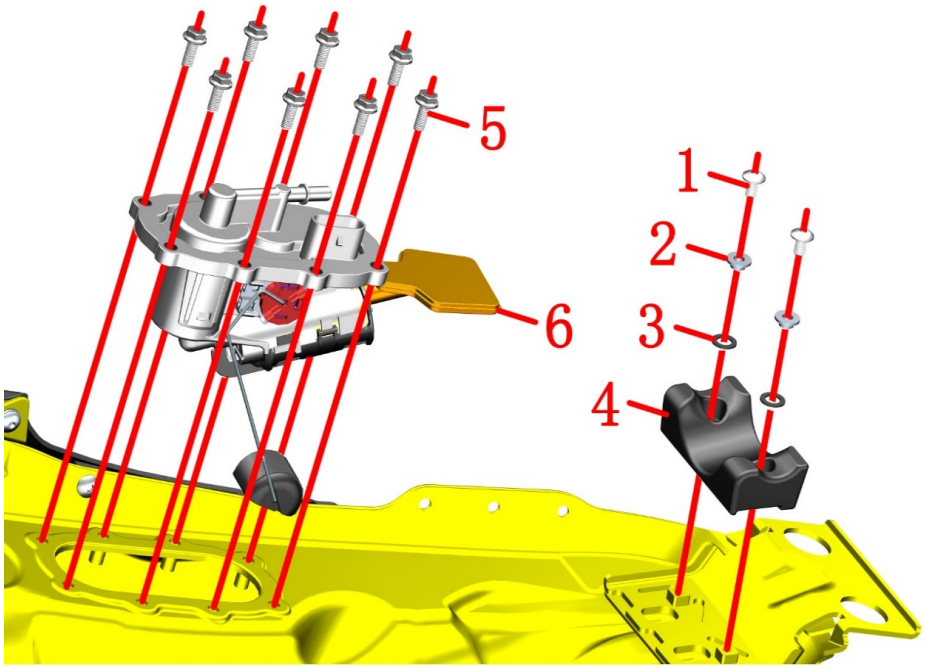
PROCEDURE:

● Fuel tank cover assembly

Remove the retaining spring (5) attached to the rotating shaft (1) and slowly pull out the rotating shaft.
Remove the torsion spring (4) first.
Remove the swivel bracket assembly.
Remove the rotary shaft (1) from the tank cover (6)
Remove the damper (2) from the swivel bracket (3).

CAUTION:

● The parts should be protected during the disassembly process to prevent damage to the paint surface.
● Pay attention to the force when removing the buckle to prevent damage to the buckle.
● When reassembling, note that the torsion spring and damper need to be properly assembled in place.



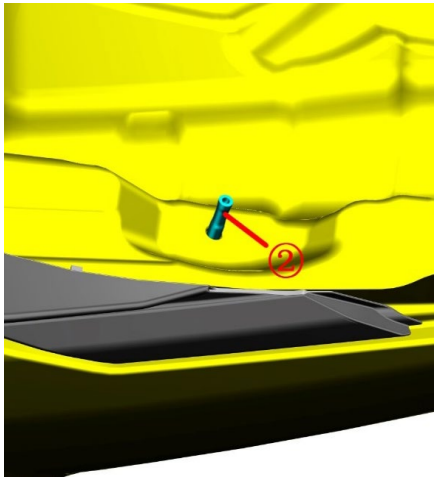


Fig.4 FUEL TANK COVER COMPONET		Oil pump	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-101000	Non－Standard bolt m6×12 (304 stainless steel)	2	
2	1274100-057095	Flanging bushing φ6.2×φ8.4×3.5+φ14×1.5	2	
3	1244100-052000	Buffer rubber of flanging bushing （φ8.5×φ14×1）	2	
4	1244200-083000	ZT310－V fuel tank cushion rubber	1	
5	1250105-137093	Gb5789m6×16 (environmental color)	8	
6	1050954-021000	T02 built－in fuel pump －ZT310v	1	
7	1224100-033000	ZT250－S threaded fuel tank cap	1	

PROCEDURE:

● Fuel tank cushion rubber

Using 4# inner hexagon socket remove the bolts (1) and remove the oil bushing (2) and the cushion rubber (3).Remove the tank cushion rubber (4).

● Fuel pump

Using 10#sleeve remove 8 bolts(5).

When the fuel pump (6) is removed, the float connecting rod cannot be bent to avoid inaccurate oil display.

After removing the fuel pump, it is recommended to temporarily seal the oil pump port to prevent something falling into the tank.

● Fuel tank cap

Flip to the front of the tank assembly, turn the tank cap (7) counterclockwise and remove.Be careful not to pull the nylon cord① during the removal process.

CAUTION:

● Before disassembling the fuel tank assembly, it is recommended to use the oil pump to pull out the fuel or use off the fuel

● Fireworks, telephone calls should not be allowed near the motorcycle -removal workshop to prevent accidents.

● When reversing the fuel tank inner assembly, remove the fuel pump and check that the fuel tank cap is tightened to prevent the remaining fuel from overflowing from the fuel tank port;the vent pipe 2 may have a small amount of fuel overflow when the fuel tank cap is turned back.

● When reassembling the fuel pump, be sure to clean the joint surface of the fuel pump sealant and the tank liner. When locking the bolt, the position should be locked to ensure uniform deformation of the seal gasket.

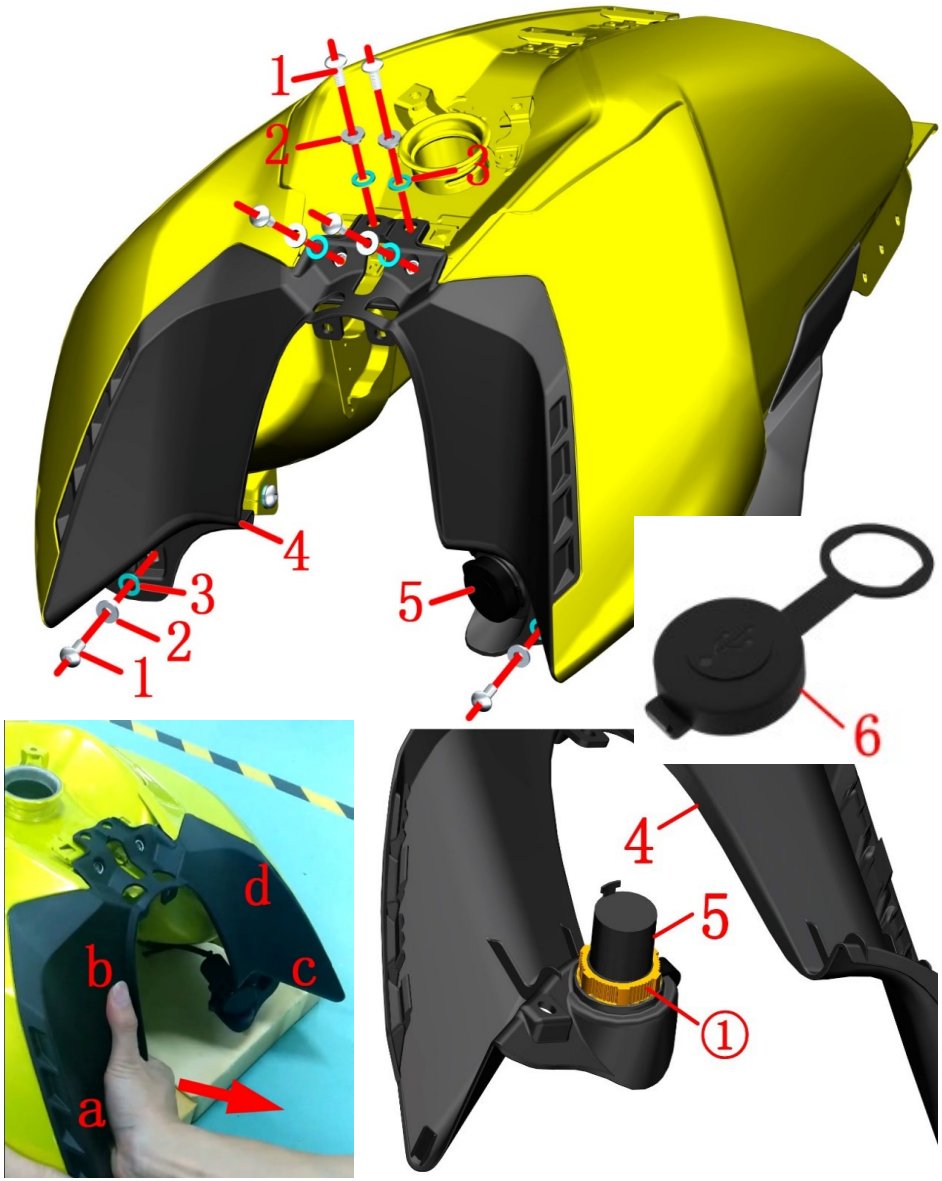


Fig.5 FUEL TANK COVER COMPONET		Fuel tank front trim cover	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non－Standard bolt m6×16 (304 stainless steel)	6	
2	1274100-057095	Flanging bushing φ6.2×φ8.4×3.5+φ14×1.5	6	
3	1244100-052000	Buffer rubber of flanging bushing （φ8.5×φ14×1）	6	
4	1224200-119000	ZT310－V fuel tank middle decoration cover	1	
5	1184200-100000	ZT310 dual port usb charging cable	1	
6	1244200-109000	ZT310 dual port universal usb charging cable cover	1	After sale

PROCEDURE:

● Fuel tank middle decorative cover

Using 4# inner hexagon socket remove the bolts (1) separately; remove the bushing (2) and the cushion rubber (3).

As lower left corner pictures showed , one hand is placed against the fuel tank assembly, and pulled the middle part of the middle of the decorative cover (4) with another hand follow the direction of the arrow.

Pull out the bottom and then pull out the right middle b, the left lower c and the left middle d.Remove the dicoration cover assembly.

Flip to the back to remove the nut 1 from the usb charging cable, and remove the usb charging cable from the decoration cover.

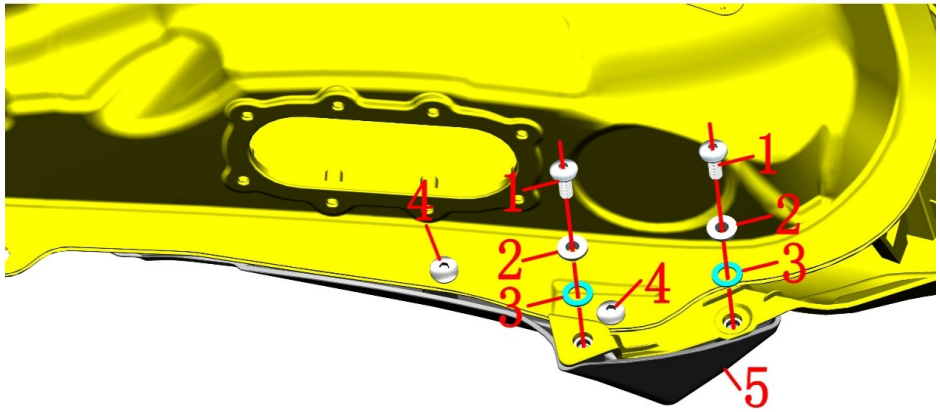
The rubber cover (6) is an after-sales piece, and the charging cable has one piece.Used for replacement of the usb charging cable cover after aging.

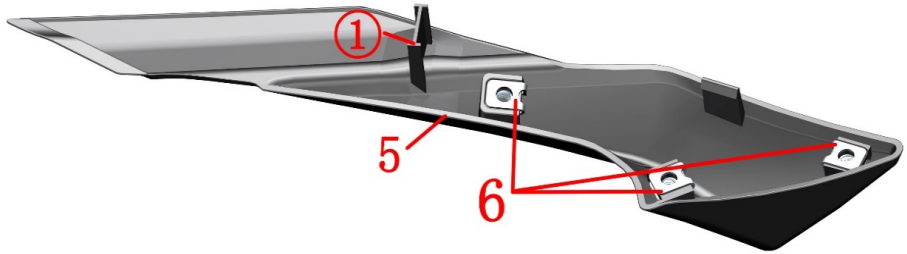
CAUTION:

● The parts should be protected during the disassembly process to prevent damage to the paint surface.The decorative cover is long and should be handled or held by both hands during.

● Be careful not to pull the usb charging cable when removing the middle of the trim cover.

● Install the buckles in the order of a-b-c-d, and then install the bolts.





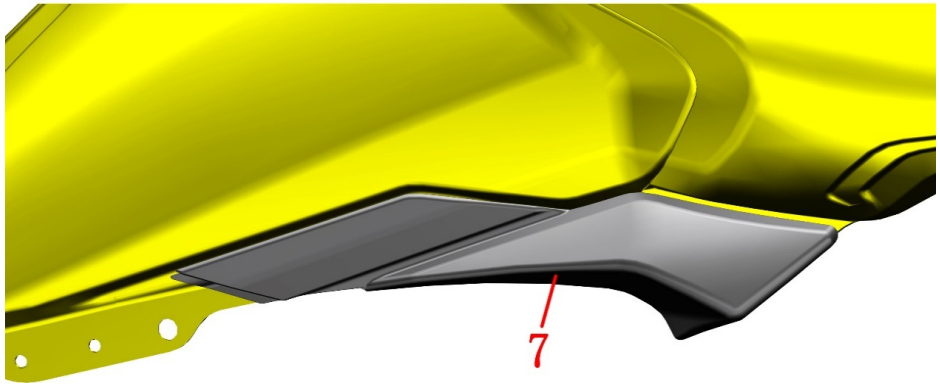


Fig.6 FUEL TANK COVER COMPONET		Lower tank cover	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non－Standard bolt m6×16 (304 stainless steel)	1	
2	1274100-057095	Flanging bushing φ6.2×φ8.4×3.5+φ14×1.5	10	
3	1244100-052000	Buffer rubber of flanging bushing （φ8.5×φ14×1）	10	
4	1251100-101000	Non－Standard bolt m6×12 (304 stainless steel)	4	
5	4044201-235051	ZT310－V fuel tank left decorative cover lower part (dark gray matte)	1	
6	1251300-063093	Splint m6×11×15 (environmental color)	6	
7	4044201-236051	ZT310－V fuel tank right decorative cover lower part (dark gray matte)	1	

PROCEDURE:

● Left fuel tank decoration cover lower assembly .

Using 4# inner hexagon socket remove the two bolts (1) and remove the bushing (2) and cushion rubber (3)

Using 4# inner hexagon socket remove the two bolts (4).

Remove the lower part of the left decoration cover from the fuel tank assembly.

Remove the 3 piece splint nuts (6) from the lower part (5) of the left decoration cover.

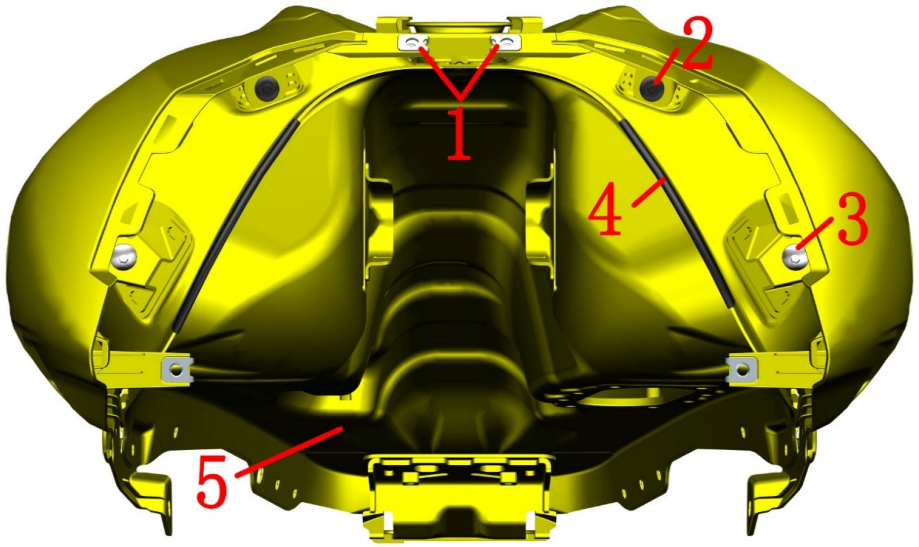
● Right tank trim cover lower assembly

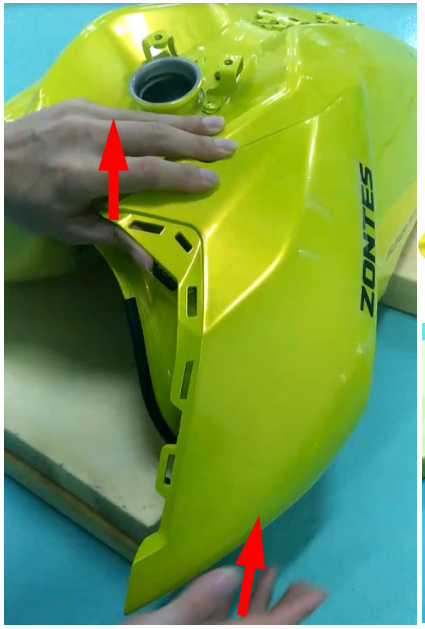
Refer to the above steps to remove the right decoration cover lower part (7) and the cleat nut (6).

CAUTION:

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

● Before replacing the lower part of the new decorative cover, check whether the process clip 1 has been cut short. If it is not, cut it first and then assemble it.





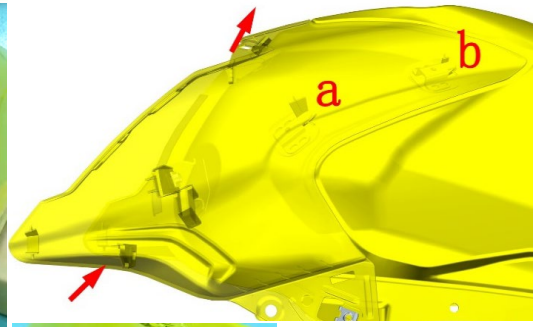


Fig.7 FUEL TANK COVER COMPONET		Fuel tank trim cover assembly 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251300-063093	Splint m6×11×15 (color zinc)	4	
2	1224100-010000	ZT250－S expansion nail	2	
3	1251100-101000	Non－Standard bolt m6×12 (304 stainless steel)	2	
4	1240300-021000	HJ125－6 shroud glass strip (1.5m)	0.17	
5		ZT310－V fuel tank	1	

PROCEDURE:

● Fuel tank decoration cover assembly

Remove the 4 plywood nuts (1)

Remove the two expansion pins (2)

Using 4# inner hexagon socket remove the two bolts (3).

As shown in the lower left corner, first push the upper part of the decorative cover upwards with the left thumb, and tap the right hand diagonally upwards to remove the left decorative cover assembly from the fuel tank.

Remove the right decoration cover assembly in the same way.

Remove the strips on the left and right sides (4).

CAUTION:

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

● Pay attention to the direction of force, and then remove the trim cover from the tank liner and then remove it.

● When installing, first fasten the buckles at both a and b, and then tap it diagonally downward.

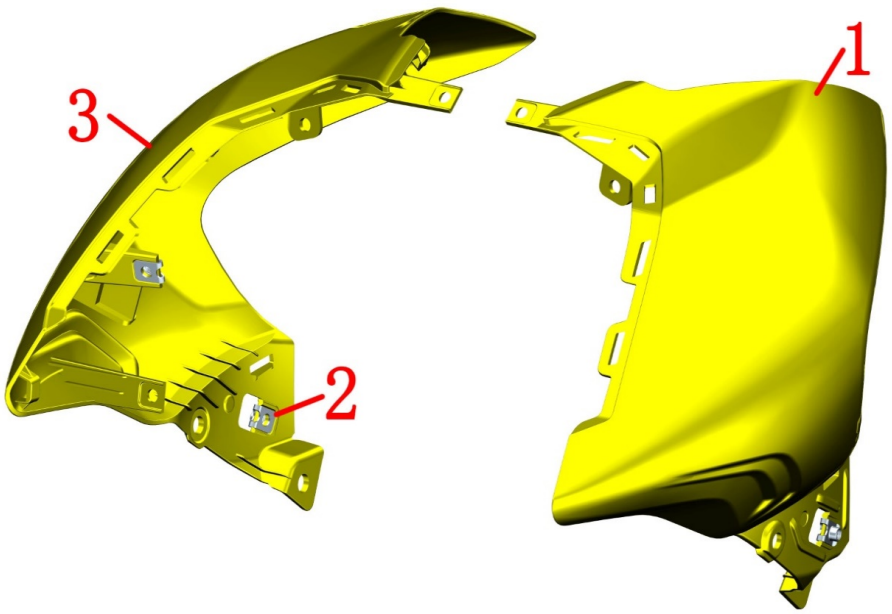


Fig.8 FUEL TANK COVER COMPONET		Fuel tank trim cover assembly 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1		ZT310－V fuel tank left decorative cover	1	
2	1251300-063093	Splint M6×11×15 (color zinc)	4	
3		ZT310－V fuel tank right decorative cover	1	

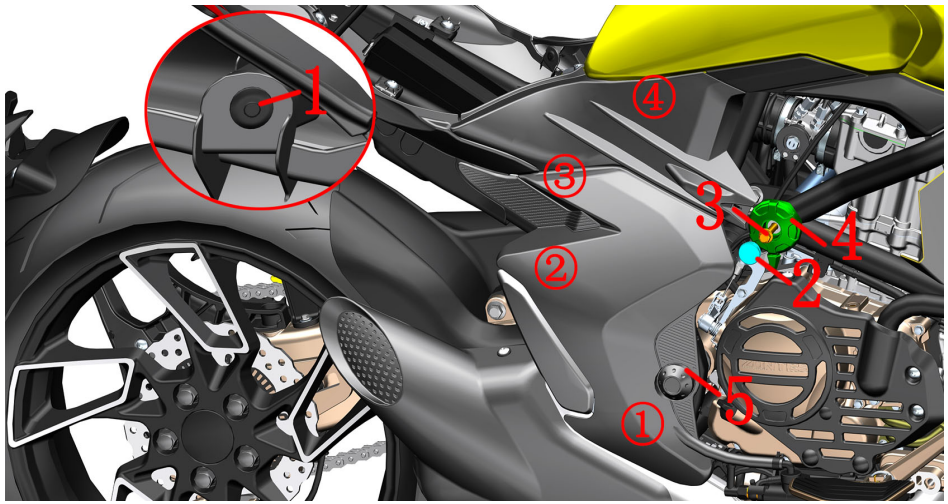
PROCEDURE:

● Fuel tank decoration cover assembly

Remove the cleat nut (2) from the left decroation cover (1) or the right decoration cover (3), respectively.

CAUTION:

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



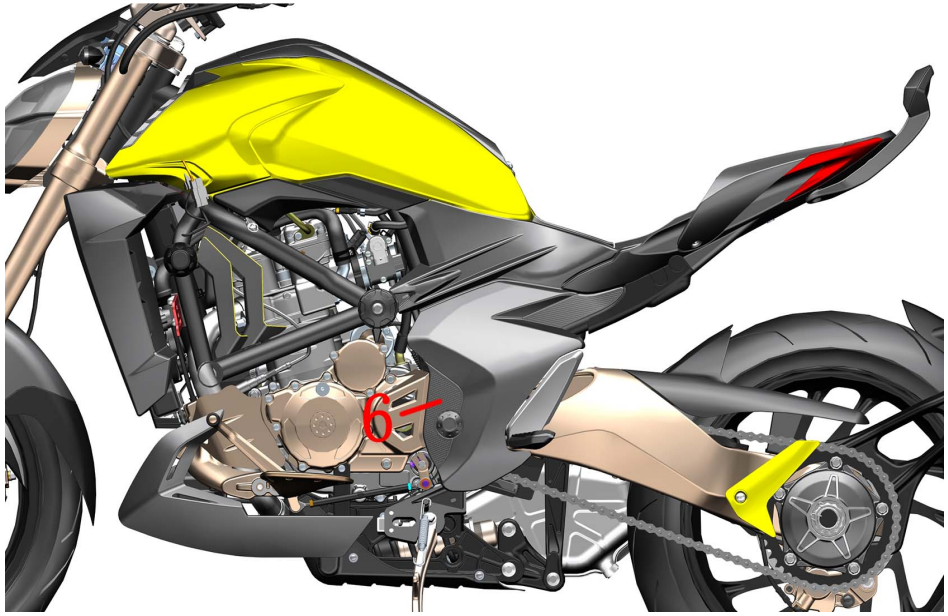


Fig.1 SIDE COVER COMPONENT		SIDE COVER COMPONENT	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224100-010000	ZT250-S Expansion nail	2	
2	1244100-061000	ZT250 anti-water rubber of frame	2	
3	1250105-018091	GB5789 M8×70（white zinc）	2	
4	4044201-256051	ZT310－V Bumper decorative ball（Dark gray matte）	2	
5		ZT310－V Right side cover	1	
6		ZT310－V Left side cover	1	

PROCEDURE:

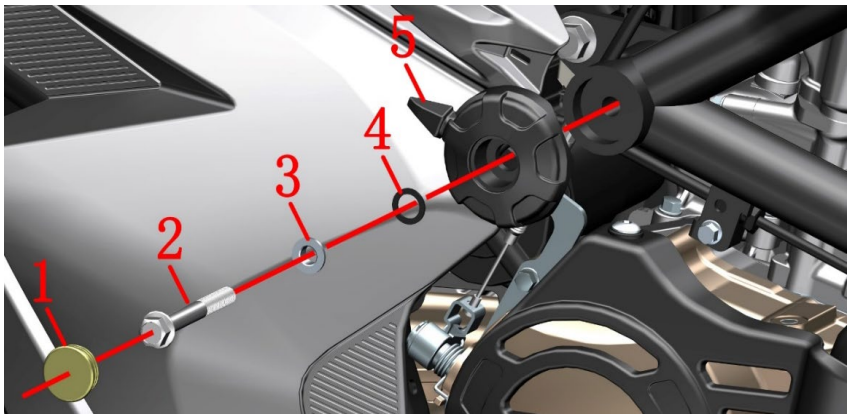
●Side cover

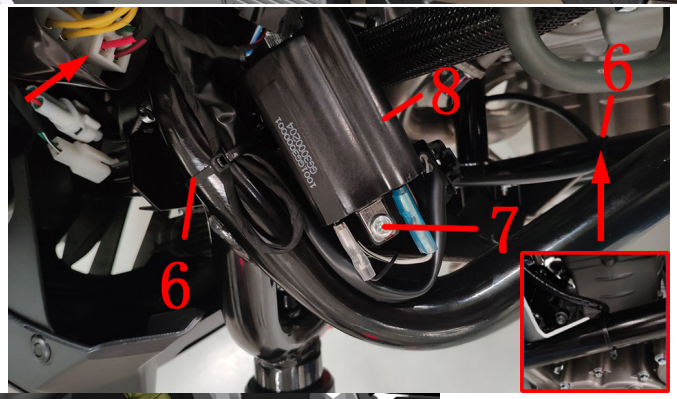
First remove the seat cushion and then remove the expansion screw (1) at the joint between the right side cover (5) and the tail cover.Remove the water stopper (2) and loosen the bolt (3) with the T12 socket without completely removing it.Pull the decorative ball (4) out and turn it clockwise, stagger the groove on the right side cover.Pull out the right side cover in the order of ①-②-③-④.

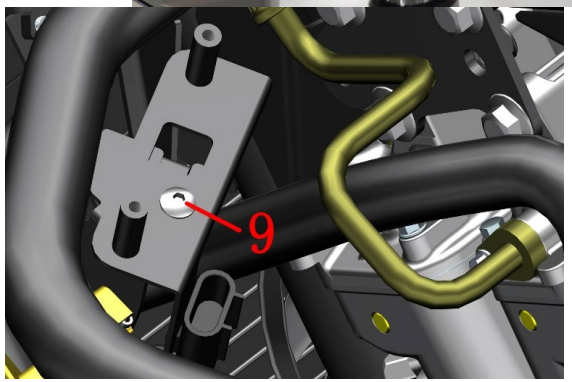
Remove the left side cover (6) using the same steps as above.

CAUTION:

●When inserting，install the staples by④-③-②-①; finally install the expansion screw.







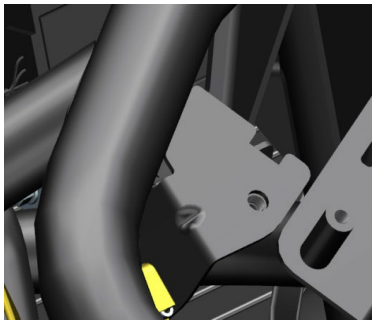


Fig.1 GUARD BAR COMPONENT		Guard bar assembly 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1244100-061000	ZT250 anti-water rubber of frame	2	
2	1250105-018091	GB5789 M8×70（white zinc）	2	
3	1251700-058093	Flanging bushing φ8.2×φ11×4.5＋φ16×1.5	2	
4	1240300-071000	Flanging bushing rubber （φ11×φ16×1）	2	
5	4044201-256051	ZT310－V Bumper decorative ball（Dark gray matte）	2	
6	1224100-037000	0 grade flame retardant cable tie (black 3.6×295)	2	
7	1250201-032093	GB818M5×16 (environmental color)	2	
8	1184200-177000	ZT310 electric jet ignition coil	1	
9	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	1	

PROCEDURE:

●Bumper decorative ball

Remove the water stopper(1)；Using 12#sleeve remove the bolt(2)，the bushing(3) and buffer rubber(4),

Remove the bumper decorative ball (5).

Use the same method to remove the decorative ball on the left side.

Remove the left and right side covers and the fuel tank assembly by referring to the steps of removing the side cover and the fuel tank assembly.

Pull out the two cable plugs of the rectifier. Cut the two straps (6); Using cross screwdriver remove the two bolts (7) and remove the ignition coil to expose the bolts (9).

Using 4# inner hexagon socket remove the bolt (9) and move the ignition coil bracket and the oxygen sensor wire back together to completely expose the bracket on the guard bar.

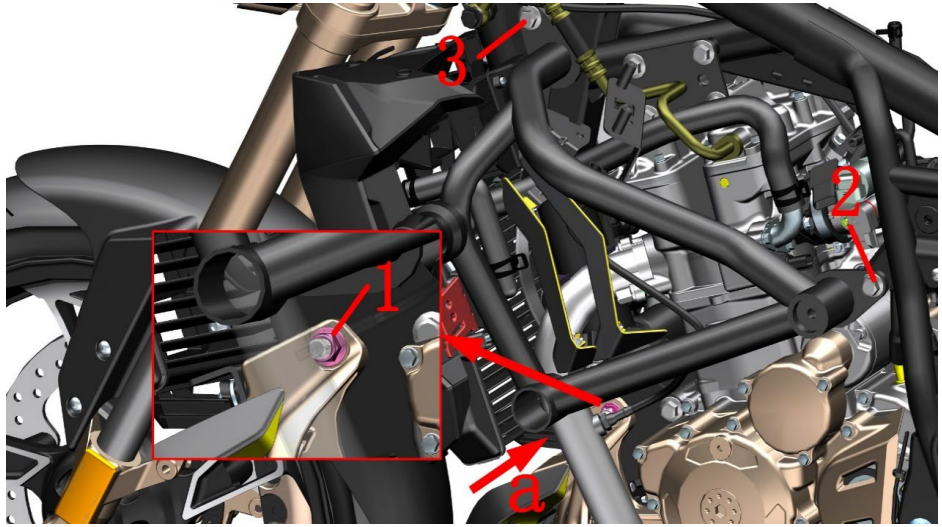
CAUTION:

●The seat cushion, side cover, fuel tank asembly, etc. must be removed in advance.

●When removing the high-pressure oil pipe, be sure to wait until the engine and muffler are completely cooled before operating to prevent accidental ignition of the fuel and cause fire.

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

●A small amount of fuel leakage is required when the high-pressure oil pipe sub-assembly is pulled out, and the fuel should be prevented from dripping to the outside of the engine or the muffler.



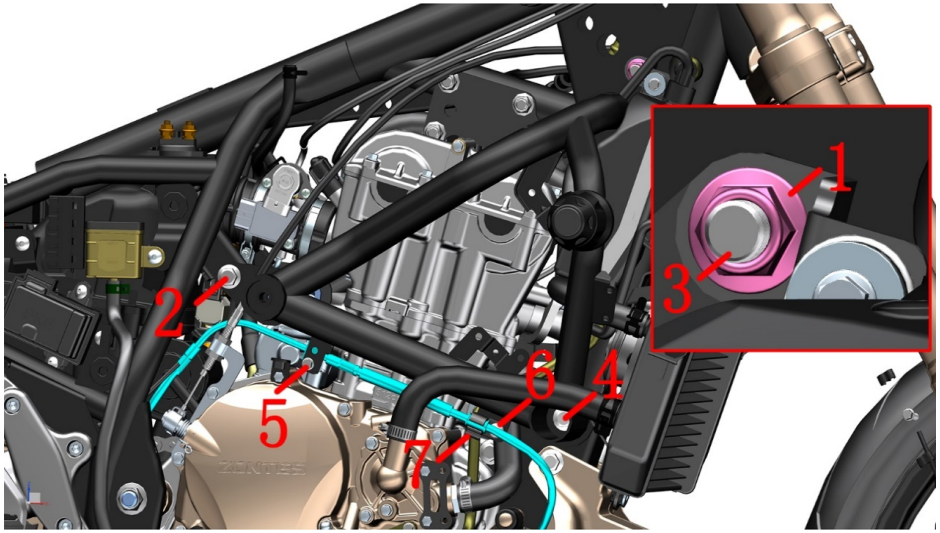


Fig.2 GUARD BAR COMPONENT		Guard bar assembly 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251300-057093	non-standard nuts M10×1.5 (color zinc)	2	
2	1251100-082093	non-standard bolt M10×1.5×20	2	
3	1251100-132003	non-standard bolt M10×1.5×80	1	
4	1251100-137000	non-standard boltM10×1.5×100	1	
5	1251100-061093	M6×22 Hex flang bolt thread level 8.8 (color zinc)	1	
6	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	1	after 2021
7	1224200-003000	ZT310－R Rear disc brake pipe clamp	1	
8	4024200-054000	ZT310－V Guard bar connecting pipe	1	

PROCEDURE:

●Bumper assembly

In the gap between the left radiator and the deflector, insert a #14 wrench into the nut (1), and remove the bolt(4) on the right side.

Remove the bolt (2) on the right side and the bumper connecting tube.

The motorcycles after production 2021 need remove the oil pipe from the clamp(7)， then remove the bolt(6).

Fix the head of the bolt (3) with a socket and remove the nut (1) on the right side.

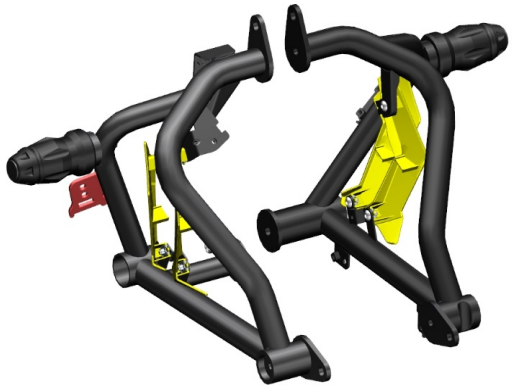
After holding the left and right bumper, remove the bolt (2) on the right side and remove the right bumper assembly.

Hold the left bumpe assembly and pull out the bolts(s). Make sure that the cable ties,cables, etc. on the left bumper assembly have been removed and the left bumper assembly is removed.

CAUTION:

●Be careful not to pull the oxygen sensors wire when removing the left bumper assembly

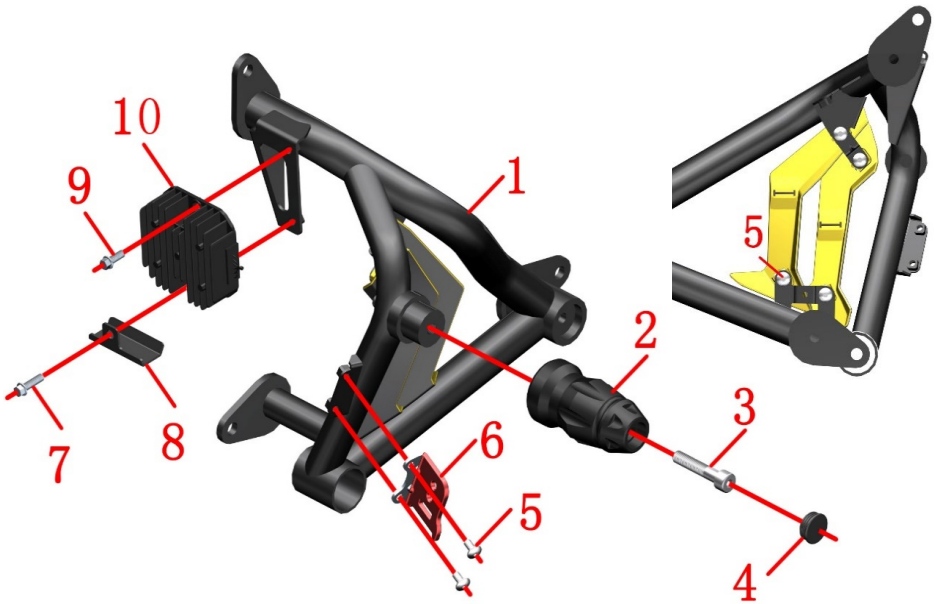
●Be careful not to press any cables when reassembling

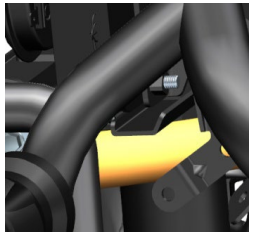


Left bumper assembly

Right bumper assembly

Bumper connecting tube





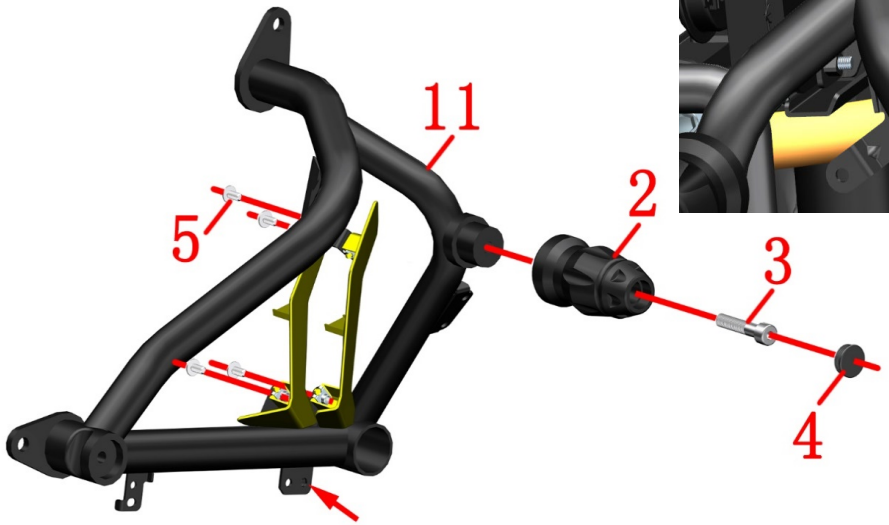


Fig.3 GUARD BAR COMPONENT		Guard bar assembly 3	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1		ZT310－V Left bumper assembly	1	
2	1244100-089000	ZT250-R guard bar anti-drop glue (outside association)	2	
3	1251100-083094	Non-standard bolt M10×1.5×50 (black zinc)	2	
4	1244100-061000	ZT250 anti-water rubber of frame	2	
5	1251100-101000	non-standard bolt M6×12 (304 stainless steel)	10	
6	1274200-037000	ZT310－R support of disc brake lock	1	
7	1251100-061093	M6×22 Hex flang bolt thread level 8.8 (color zinc)	1	
8	1274200-183000	ZT310－V Outlet pipe bracket	1	
9	1251112-001093	M6×16 Hexagon flange bolts (color zinc)	1	
10		Rectifier	1	
11		Right bumper assembly	1	

PROCEDURE:

●Left bumper assembly

1.Remove the water stopper (4), the bolt (3), and the protection rubber (2).

2.Remove the bolt (5) and the disc brake lock bracket (6).

3.Remove the bolt (7) and the outlet pipe bracket (8).

4.Hold the rectifier (10) and remove the bolt (9) then remove it.

5.Remove the 4 bolts (5) and remove the engine decorative cover assembly.

●Right bumper assembly

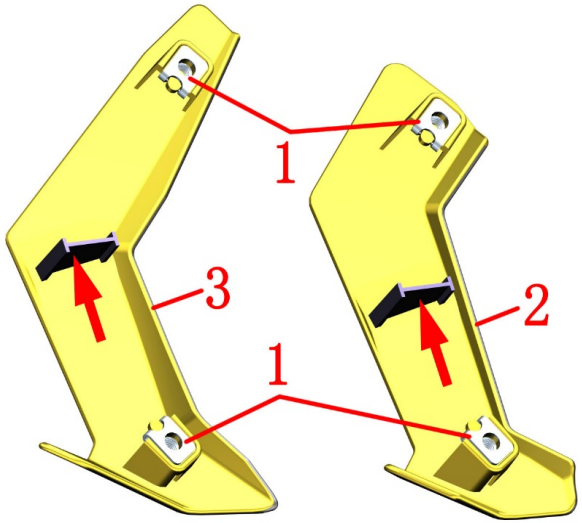
Follow the steps above to remove the right bumper (11).

CAUTION:

●Protect the engine decorative cover paint to prevent scratches.

●The disc brake lock bracket is only suitable for TOP DOG disc brake lock RE008 and TOP DOG disc brake lock RE0081 two models, other models are not adapted.

●When reassembling, pay attention to the radiator outlet pipe below the outlet pipe bracket.



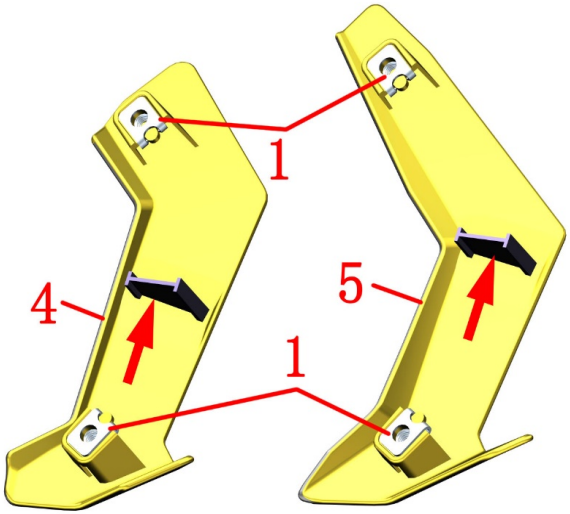


Fig.4 GUARD BAR COMPONENT		Engine decorative cover components	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251300-063093	Plywood M6×11×15（color zinc）	8	
2		Engine decorative cover left front	1	
3		Engine decorative cover left back	1	
4		Engine decorative cover right front	1	
5		Engine decorative cover right back	1	

PROCEDURE:

●Left engine decorative cover assembly

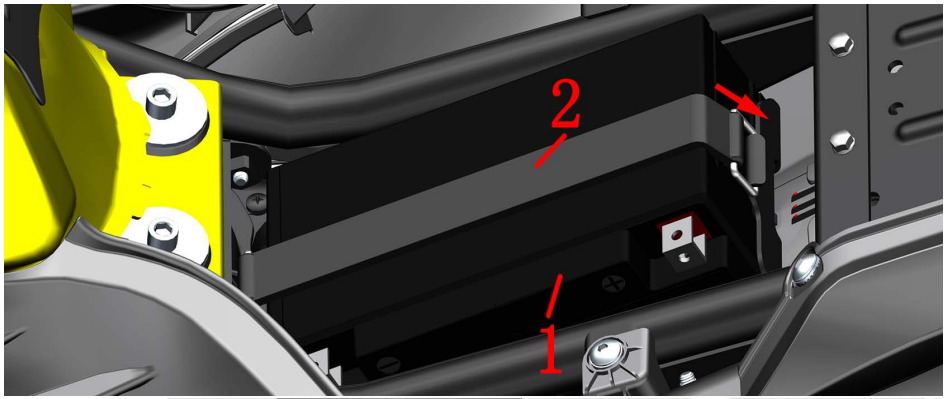
1.Remove the two nuts (1) from the left front decorative cover (2) of the engine.

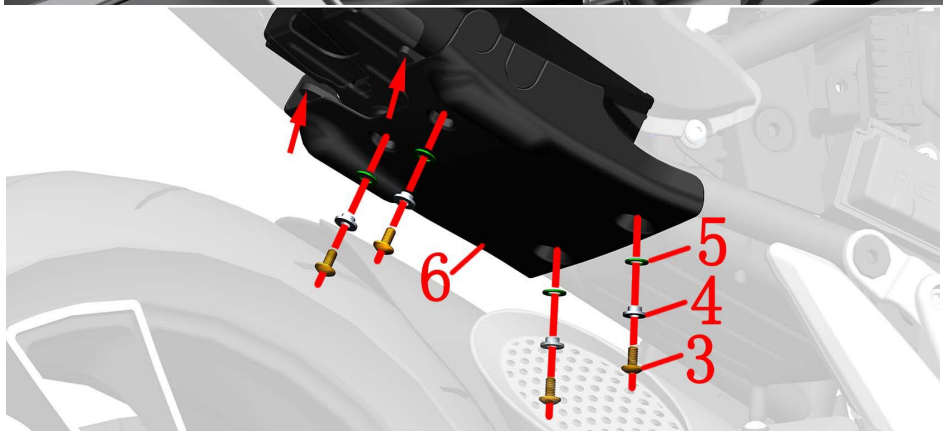
2.The same method remove the nuts (1) from the left back decorative (3), the right front decorative cover (4), and the right back decorative cover (5).

CAUTION:

●Protect the engine decorative cover paint to prevent scratches.

●Before replacing the engine decorative cover, check whether the clip indicated by the arrow has been cut short,if not, cut it first and then assemble it on the bumper.





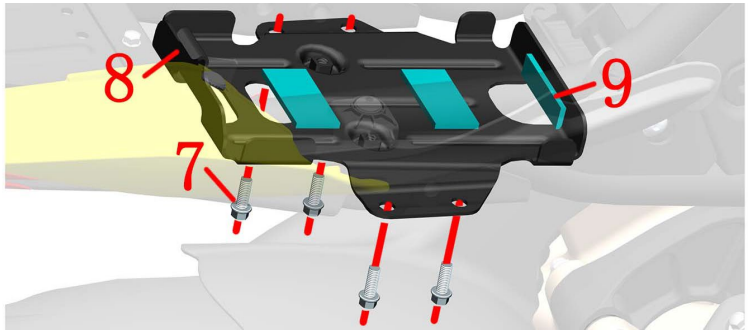


Fig.1 REAR COVER COMPONENT		ZT310 battery assembly	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1244200-111000	ZT310 Gel Battery Bands	1	
2	1184200-099000	ZT310 colloid battery (6-FM-10/10Ah)	1	
3	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	4	12±1.5N.m
4	1274100-057095	Flanging bushing φ6.2×φ8.5×3.5＋φ14×1.5	4	
5	1244100-052000	Buffer rubber of flanging bushing (φ8.5×φ14×1)	4	
6	4044201-467051	ZT310-VX battery bottom cover (dark gray matte)	1	
7	1251112-001093	M6×16 hexagon flange bolts	4	12±1.5N.m
8	1274200-273000	ZT310－VX battery holder	1	
9	1240300-007000	HJ125-6 Battery rubber pad	3	

PROCEDURE:

●Battery

Pull the battery strap (1) pull down to loosen the metal buckle, remove the battery strap (1), unplug the black negative protective cap of the main wiring harness, and remove the bolts that come with the battery with a cross. Remove the battery negative wire first, and then remove the positive wire, then the battery(2) can be removed.

●Battery bottom cover

Using 4# inner hexagon socket remove the four bolts (3), remove the four flanging bushings (4) and the four flanging bushing cushion rubbers (5), then the battery bottom cover (6) can be removed.

●Battery holder

Use a 8# sleeve to remove the four bolts (7), and then take off the battery holder (8).

CAUTION:

●Remove side covers and seat cushions in advance.

●The material should be protected during discomponent to prevent damage to the paint.

●Be careful not to overcharge the charging time. About the use and maintenance of the battery see the instructions.

●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.

●A qualified lead-acid battery charger (output: DC14.5, 4A) must be used. If the battery is damaged by using a low-quality charger, it is not within the scope of the three packs.

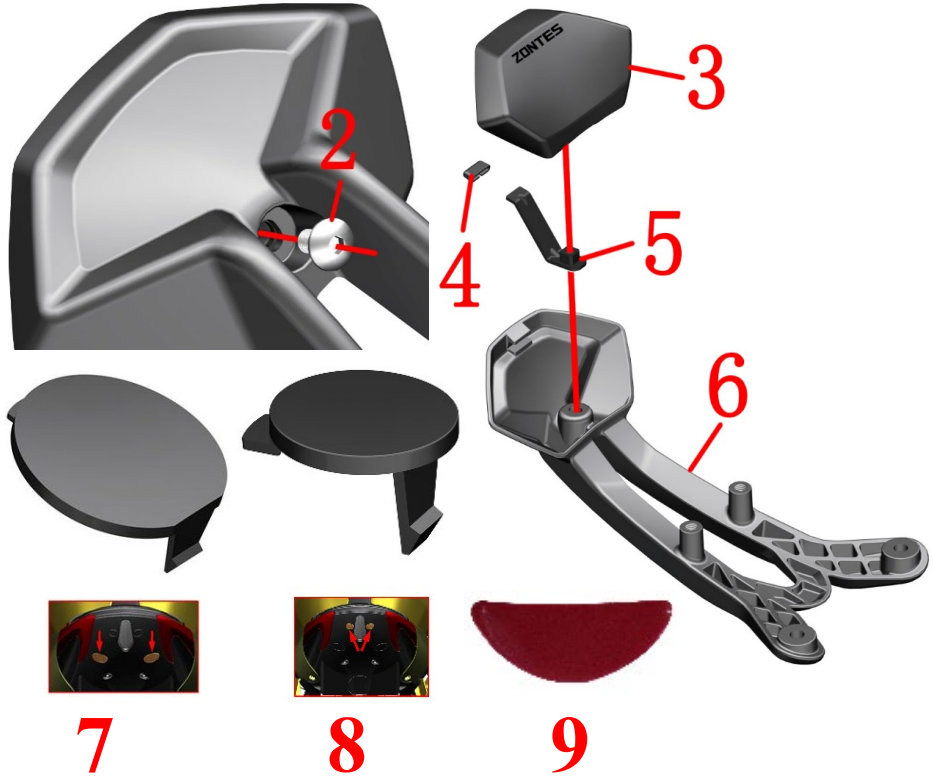


Fig.2 REAR COVER COMPONENT		Backrest assembly componen	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250205-040095	GB70.1 inner hex bolt M8×16（color Zinc）	4	
2	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	1	
3	1244200-062100	ZT310－V rear backrest rubber	1	
4	1244200-005000	ZT310－R buffer rubber of head cover	1	
5	1274200-146000	ZT310－V rear backrest rubber holder	1	
6		ZT310－V rear backrest	1	
7	4044201-257051	ZT310－V rear decoration cover front cover	2	without backrest
8	4044201-258051	ZT310－V rear decoration cover rear cover	2	
9	1244200-090000	ZT310－V Double sided tape for the front small cover of the rear decoration cover	4	

PROCEDURE:

●Backrest assembly componen

Using 4# inner hexagon socket remove the bottom two bolts (1).

Hold the backrest assembly and remove the two upper bolts (1) with 6# inner hexagon. Remove the backrest assembly from the vehicle.

Flip to the back and remove the bolts (2) with the 4# inner hexagon socket.

Divided the backrest (6) and backrest rubber (3).

Remove the holder (5) from the backrest.Remove buffer (4) from the holder.

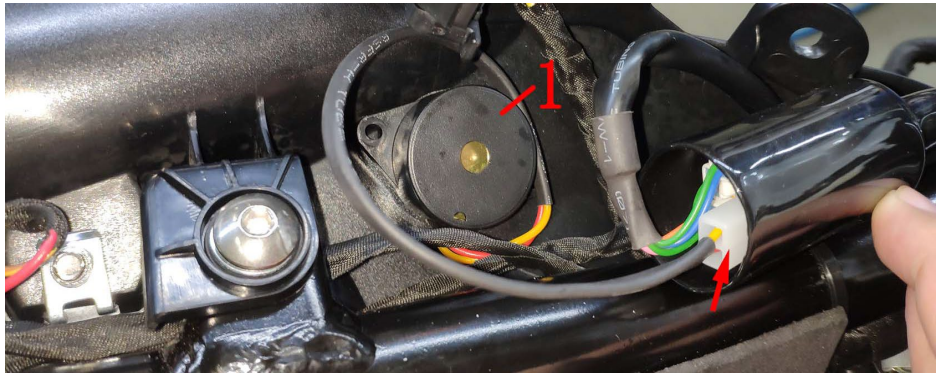
●Without backrest

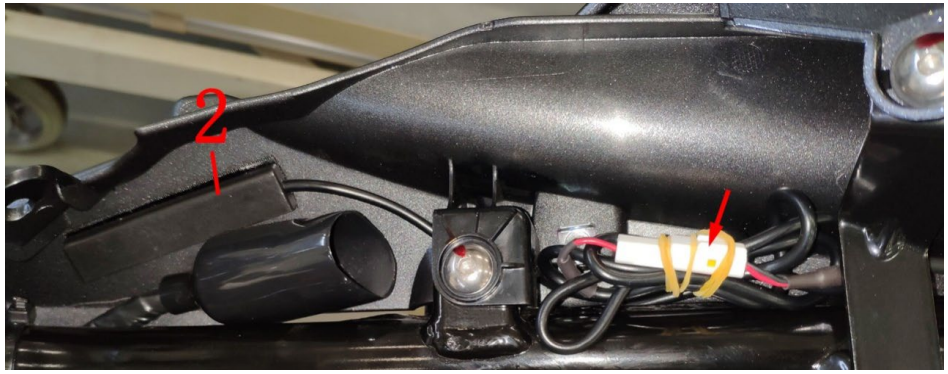
If without the backrest will send four units small cover and double tape to block up the hole of the rear backrest.

CAUTION:

●Remove the side cover, seat cushion, and cover decoration cover in advance.

●The material should be protected during discomponent to prevent damage to the paint.





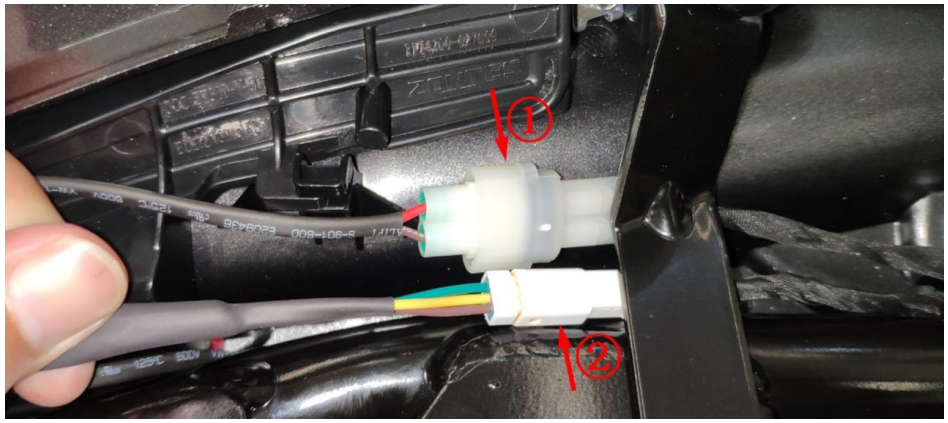


Fig.3 REAR COVER COMPONENT		Tail skirt taillight component 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1184200-016000	ZT310 PKE buzzer	1	
2	1184200-053000	ZT310PKE external single antenna	1	

PROCEDURE:

●Buzzer

Find the connector of the buzzer (1) close to the side cover on the front left side of the rear cover, and press the card of the white plug to remove the plug.Move the buzzer after back and forth with a hot air gun or hair dryer with heat.

●PKE antenna

Find the plug of PKE antenna at the front of right rear cover, pull it out and arrange the cable.

The PKE antenna (2) is pasted with the double topping and the double topping on the rear cover.Heat it slightly with a hot air gun, then tear off the double topping and clean up the residue.

The end of the antenna connected to the main beam can be removed from the gap between the frame and the rear decoration cover.

●The tail light plug

① it is not necessary to pull out the cushion lock plug if the cushion lock is not removed.

② is the tail light plug, need to be pulled out first, convenient back to remove the tail skirt components.

CAUTION:

●When heating, it is forbidden to heat at a fixed position all the time, and it is necessary to move the heating back and forth.

●Do not pull the cable directly when unplugging the plug.

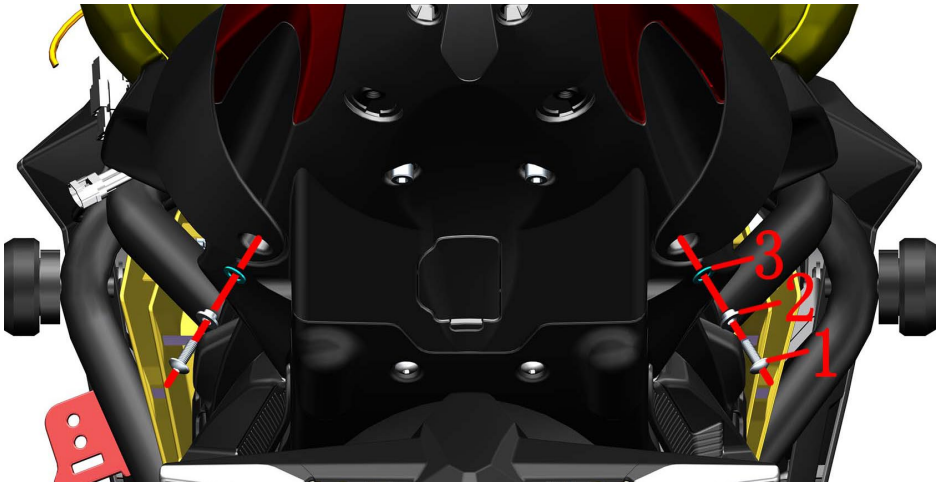
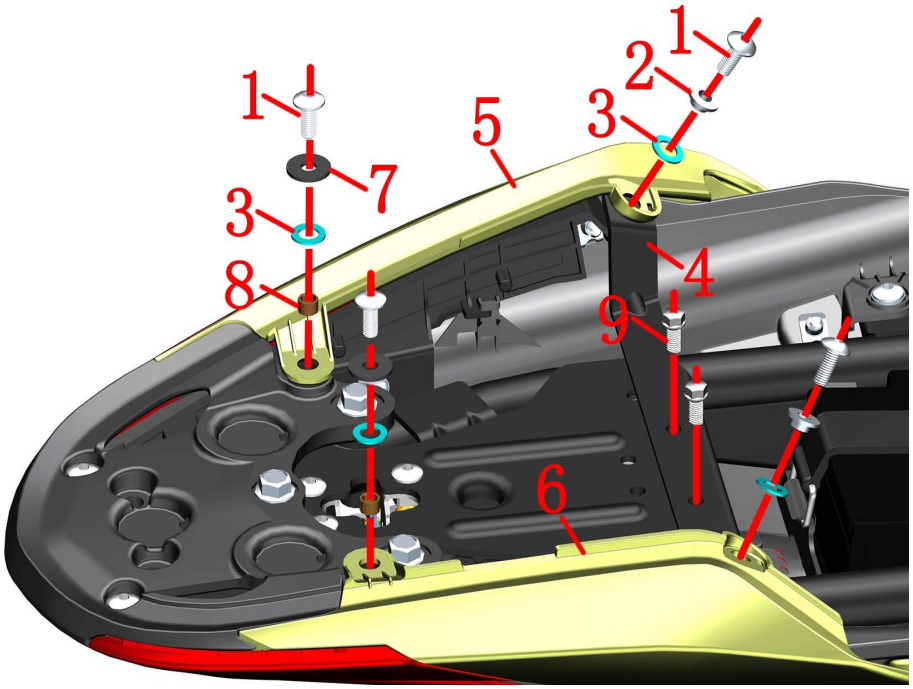


Fig.4 REAR COVER COMPONENT		Tail skirt taillight component 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non-standard bolt M6×16（304 stainless steel）	6	
2	1274100-057095	Flanging bushing φ6.2×φ8.5×3.5＋φ14×1.5	4	
3	1244100-052000	Buffer rubber of flanging bushing （φ8.5×φ14×1）	6	
4	1274200-138000	ZT310-V Rear cover trim cover holder	1	
5		ZT310－V Rear cover left trim cover	1	
6		ZT310－V Rear cover right trim cover	1	
7	1250502-010093	GB96.1φ6（color zinc）	2	
8	1274100-018000	Anti-hot plate sleeve, muffler	2	
9	1250104-006097	GB16674M6×12 (chrome plating/HH)	2	



PROCEDURE:

●Rear cover trim cover

Using 4# inner hexagon socket remove the bolt (1) on the bottom left side and remove the bushing (2) and cushion rubber (3).

Using 4# inner hexagon socket remove the bolt (1) on the bottom right side and remove the bushing (2) and cushion rubber (3).

Using 4# inner hexagon socket remove the bolt (1) and bolt (9) on the trim cover holder and remove the bushing (2) and cushion rubber (3).

Using 4# inner hexagon socket remove the bolt (1) on the rear trim cover and remove the gasket (7) bushing (3) and cushion rubber (8).

Pull the left trim cover (5) and the right tail trim cover (6) together and remove.

Using 8#sleeve remove the trim cover bracket (4).

CAUTION:

●The material should be protected during discomponent to prevent scratching the lamp.

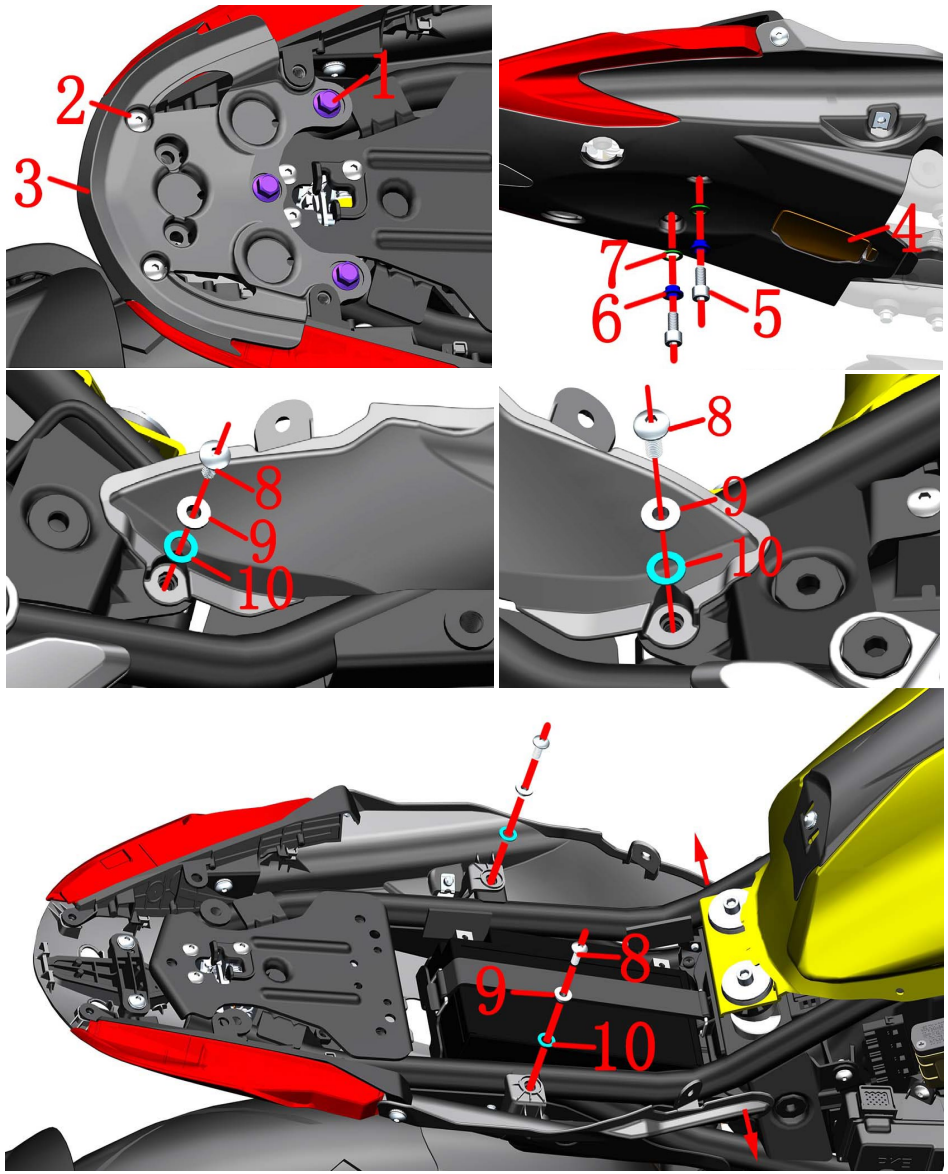


Fig.5 REAR COVER COMPONENT		Tail skirt taillight component 3	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1250105-142093	GB5789M8×20（color zinc）	3	
2	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	2	
3		ZT310-V rear aluminimum holder	1	
4	4044201-255051	ZT310-V PKE cover (dark grey)	1	
5	1250205-040095	GB70.1 inner hex bolt M8×16(color Zinc)	2	
6	1251700-058093	Flanging bushing φ8.2×φ11×4.5＋φ16×1.5	2	
7	1240300-071000	Flanging bushing rubber （φ11×φ16×1）	2	
8	1251100-102000	Non-standard bolt M6×16（304 stainless steel）	6	
9	1274100-057095	Flanging bushing φ6.2×φ8.5×3.5＋φ14×1.5	4	
10	1244100-052000	Buffer rubber of flanging bushing （φ8.5×φ14×1）	6	

PROCEDURE:

●Rear aluminum alloy bracket

Use a 12# sleeve to remove 3 bolts (1) and use a 4# inner hexagon to remove 2 bolts (2); open the left and right taillights slightly outwards and pull them diagonally to the rear to remove the bracket (3).

●Rear cover trim cover

Remove PKE small cover (4) after pressing down.

Use 6# inner hexagon to remove the two bolts (5) at the bottom, and remove the bushing (6) and cushion rubber (7).

Using 4# inner hexagon socket remove the bolt (8) on the front right trim cover , remove the bushing (9) and cushion rubber (10).

Using 4# inner hexagon socket remove the bolt (8) on the front left trim cover , remove the bushing (9) and cushion rubber (10).

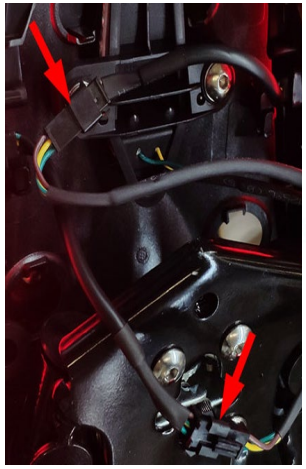
Using 4# inner hexagon socket remove the bolt (8) on the front middel trim cover , remove the bushing (9) and cushion rubber (10).

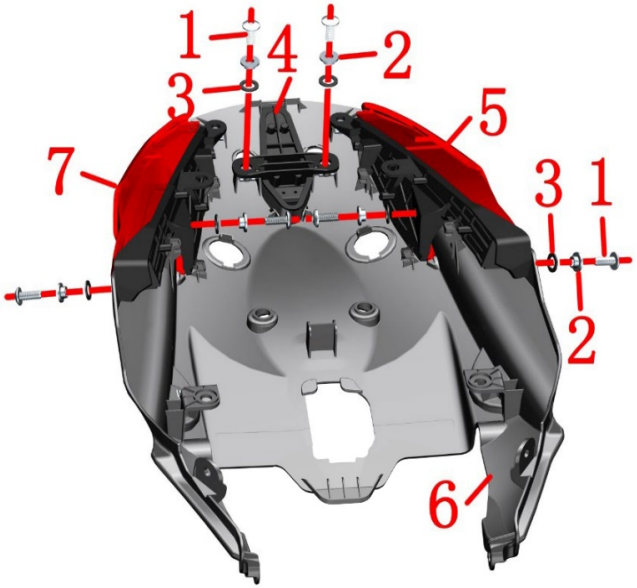
Pull out the nail in front of the tail light assembly and the trim cover then remove it.

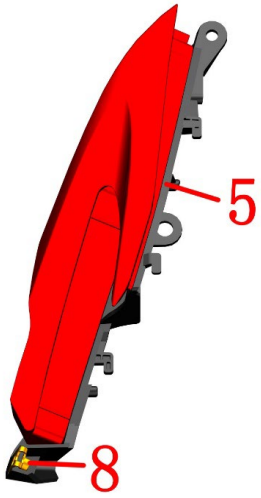
CAUTION:

●The material should be protected during discomponent to prevent scratching the lamp.

●Never pull the cable directly.







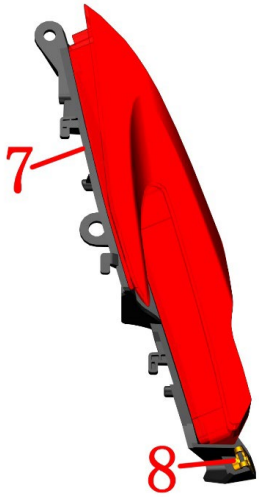


Fig.6 REAR COVER COMPONENT		Tail skirt taillight component 4	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non-standard bolt M6×16（304 stainless steel）	6	
2	1274100-057095	Flanging bushing φ6.2×φ8.5×3.5＋φ14×1.5	6	
3	1244100-052000	Buffer rubber of flanging bushing （φ8.5×φ14×1）	6	
4	1174200-029000	ZT310-V Stop light	1	
5	1174200-027000	ZT310-V rear left light	1	
6	4044201-252051	ZT310-V rear cover dark grey	1	
7	1174200-028000	ZT310-V rear right light	1	
8	1251300-063093	Plywood M6×11×15（color zinc）	10	

PROCEDURE:

●Rear light

First pull out the plug of the left rear tail lamp (5) and the right rear tail lamp (7).

Remove two bolts (1) of the brake lamp (4), take off the bushing (2) and cushion rubber (3);Pull up the outlet side of brake lamp and remove it.

Remove the bolt (1) on both sides of the left rear lamp (5), remove bushing (2) and cushion rubber (3) ;Pull back the left rear tail light.

Remove the right rear tail lamp (7)as shown above.

Remove from the rear trim cover (6) 8 pieces nuts(8)

Respectively from the left tail lamp (5) and right tail lamp once each took a piece of nut.

CAUTION:

●The material should be protected during discomponent to prevent scratching the lamp.

●Never pull the cable directly.

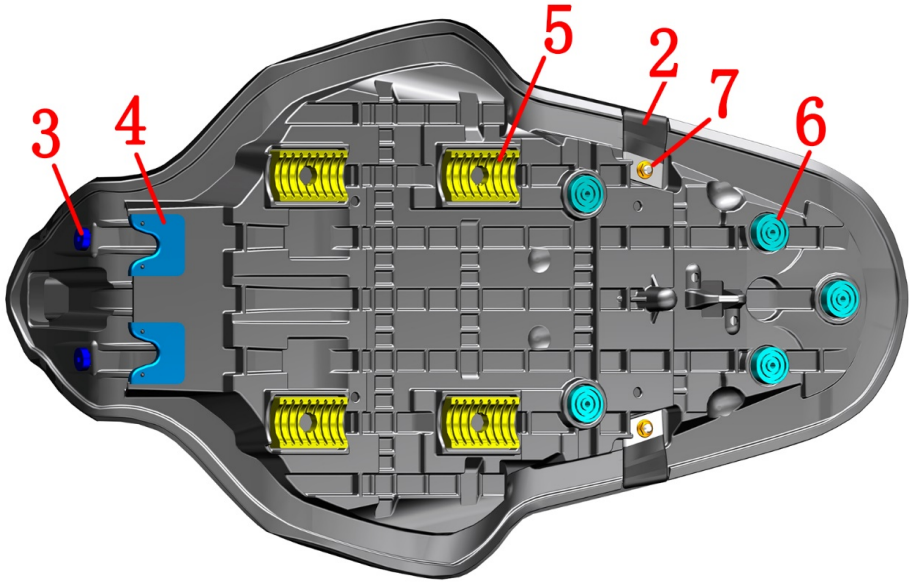


Fig.1 CUSHION COMPONENT		Cushion component	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1200100-464000	ZT310-V seat cushion (2021 models)	1	
2	1010502-012000	ZT310-V Seat belt	1	【1】
3	1244200-091000	ZT310-V Seat front round gum cushion	2	
4	1244100-024000	ZT250-S Cushion front rubber	2	
5	1244100-022000	ZT250-S Cushion rubber	4	
6	1244100-025000	ZT250-S Cushion round rubber	5	
7	1250303-010093	GB6177.1M6 (environmental color)	2	

PROCEDURE:

●Remove seat cushion

Press the unlock button " " shortly.After the power-on self test is completed, press the "SEAT" button briefly to open the electronic cushion lock.

Grasp the seat cushion (1) and pull it diagonally upwards. At the same time, remove the cushion by moving the rear part of the cushion from side to side.

●Assembly cushion

When assembling the cushion, check whether all the cushion rubbers are complete. Insert the front part of the cushion first. After the assembly is in place, shoot the rear part of the cushion firmly. When you hear the "click" sound, it indicates that the cushion lock has been assembled.

●Cushion rubber and belt, purchased separately

If the cushion rubber aging or excessive wear of the belt can be purchased on the Zontes official website. The corresponding installation position is shown in the lower left figure.

CAUTION:

●The motorcycle should be fixed before operation.

●【1】Cushion(1) contains all cushion rubber and the seat belt,nuts.

●Cushion can cause accidents if it is not installed properly.

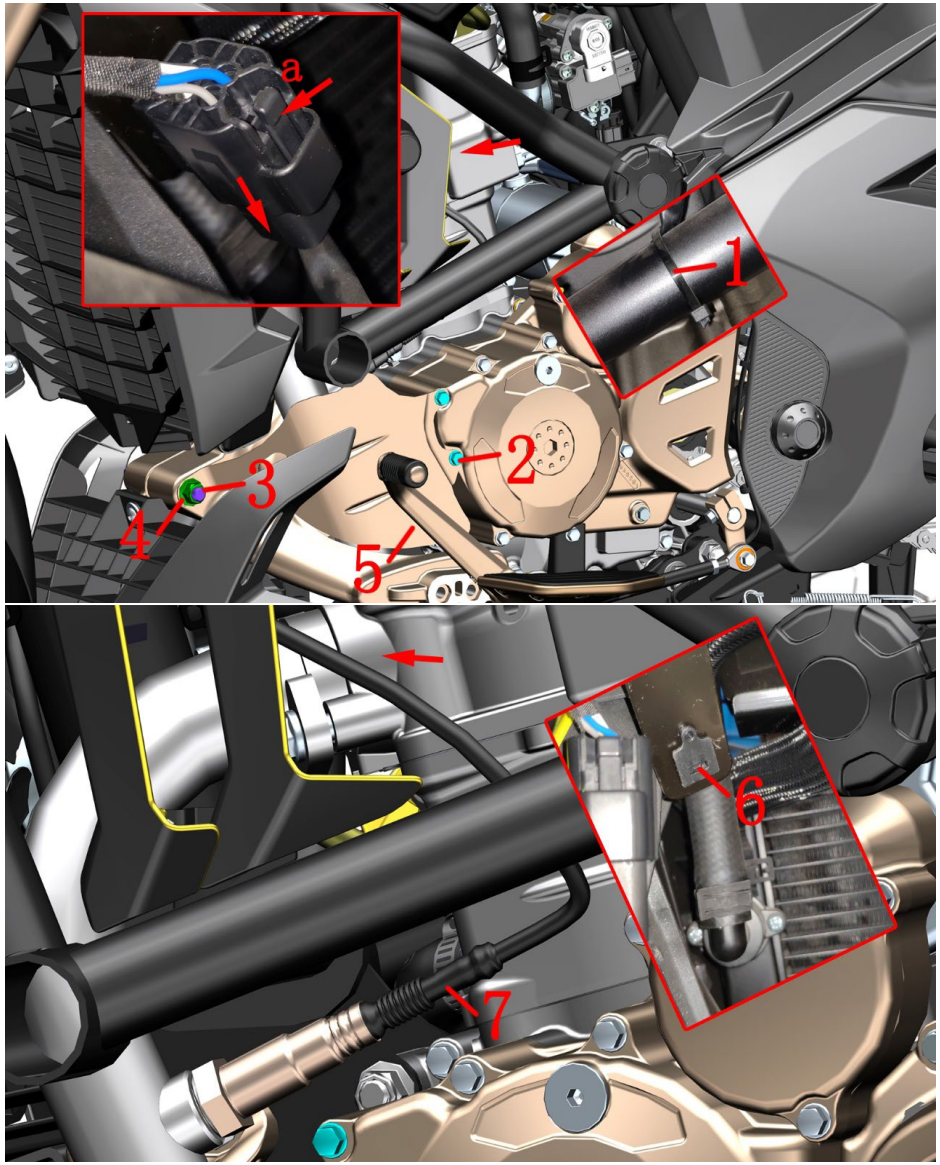


Fig.1 MUFFLER COMPONENT		LSF oxygen sensor	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1224100-037000	0 grade flame retardant cable tie (black 3.6×295)	1	
2	1251112-003093	M6×45 Hex flange surface 9.8 bolt (color zinc)	2	10N.m
3	1251100-135000	Non－standard bolt M10×1.5×95(Dacromet)	1	
4	1251300-057093	Non－standard nut M10×1.5(dacromet)	1	65±5N.m
5		ZT310－V muffler left anti－hot plate	1	
6	1224200-008000	ZT310－R cable plastic staple	1	
7	1050954-026000	LSF oxygen sensor	1	

PROCEDURE:

●Muffler assembly

Cut the tie belt (1). Locate the oxygen sensor plug on the back of the left engine trim cover and pull it out. Press the buckle of the main cable end indicated by arrow a with one hand, and unplug the oxygen sensor connector with the other hand. Straighten out the oxygen sensor cable.

Use 14# torx wrench to fix the bolt (3) and then use 14# wrench to remove the nut (4).

Remove the bolt (2) with an 8# sleeve and take off the left anti-scalding plate. Install the 2 bolts (2) back to the engine.

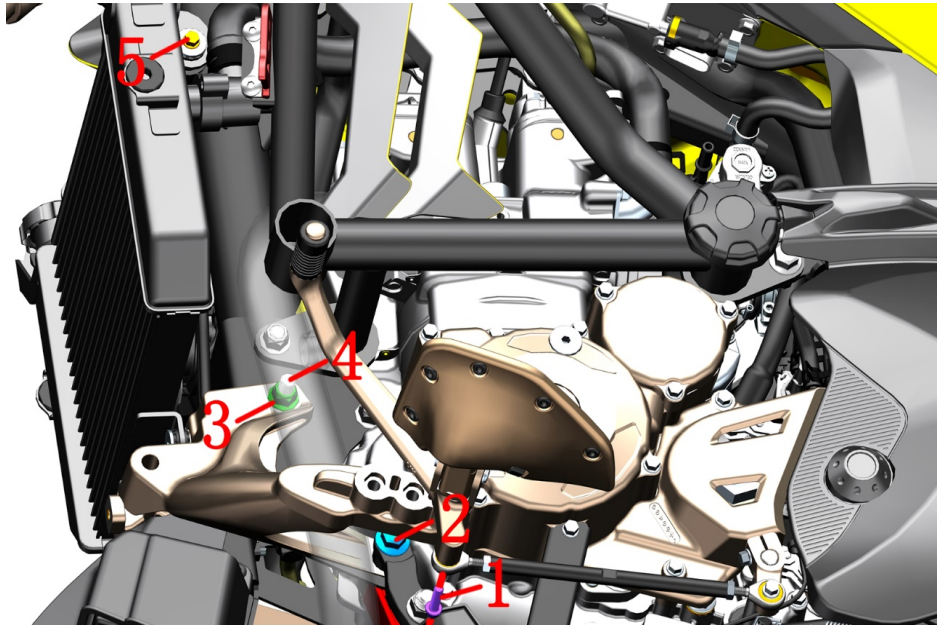
Use a 22# open-end wrench to remove the oxygen sensor (7), taking care not to make the cable entangled and knotted.

If you need to remove the line card nail (6), you can pull it out directly.

CAUTION:

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

●The muffler should be completely cooled before it is disassembled.



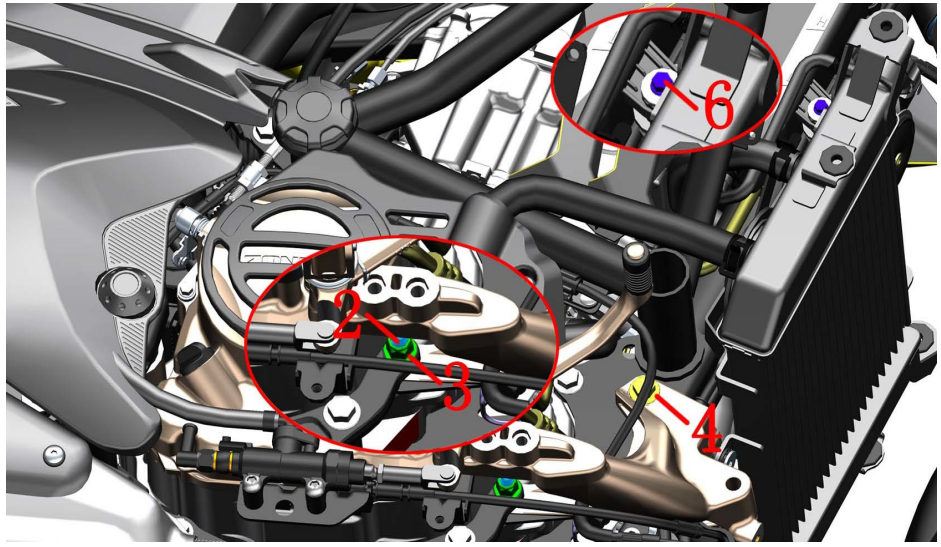


Fig.2 MUFFLER COMPONENT		Muffler component 1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-061093	M6×22 Hex flang bolt thread level 8.8 (color zinc)	1	
2	1251100-261000	Non－standard boltM10×1.5×127(Dacromet)	1	
3	1251300-057093	Non－standard nut M10×1.5(dacromet)	2	65±5N.m
4	1251100-137000	Non－standard boltM10×1.5×100(Dacromet)	1	
5	1251112-002093	M6×30 Hexagon flange bolts (color zinc)	1	
6	1251112-003093	M6×45 Hex flange surface 9.8 bolt (color zinc)	1	

PROCEDURE:

●Muffler assembly

Remove the shroud assembly according to the step of "lower shroud assembly 1".

Referring to the steps in "Radiator Decorative Cover Part 1", remove the radiator decorative cover component first.

using a 14# torx wrench remove the bolt (1) on the back of the shifter pedal rocker arm.

Remove bolt (6) with an 8# sleeve on the right side.

Use 14# torx wrench to fix the bolt (4) on the right side and use 14# torx wrench to remove the nut (3) on the left.

Use a 14# sleeve to fix the bolt (2) on the left side and use a 14# torx wrench to remove the nut (2) on the right side.

Remove bolt (2) and bolt (4), and remove the left foot support.

Using a 8# sleeve remove the left main water tank bolt (5).

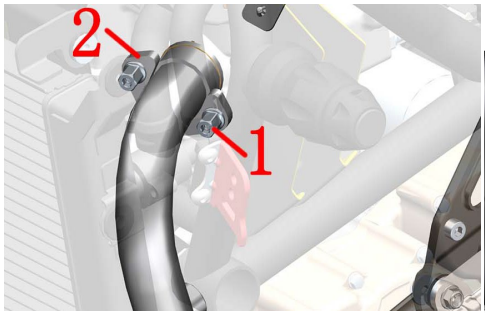
Using a 8# sleeve remove the right main water tank bolt (6).

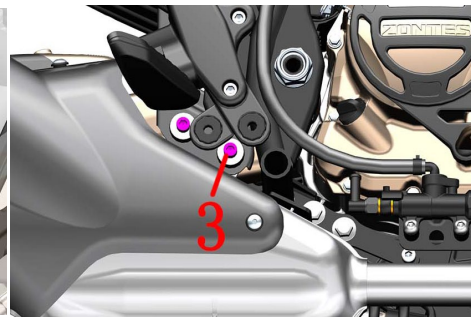
Pull the radiator assembly open to facilitate subsequent removal of muffler nuts.

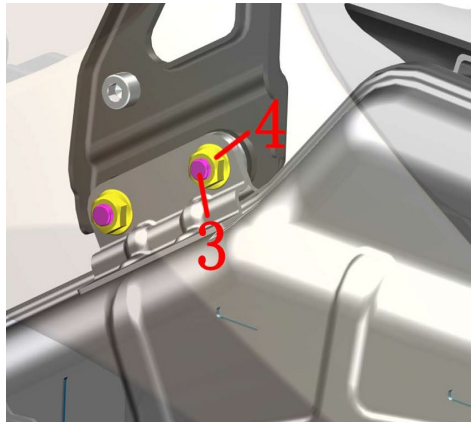
CAUTION:

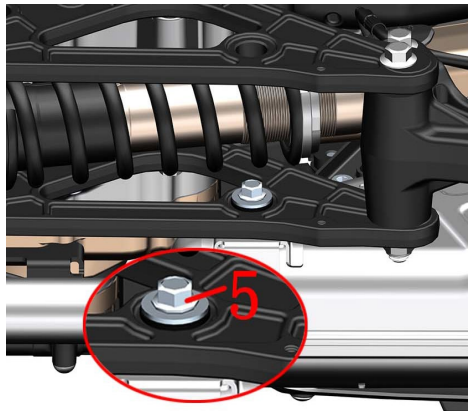
●The material should be protected during disassembly to prevent damage to the paint.

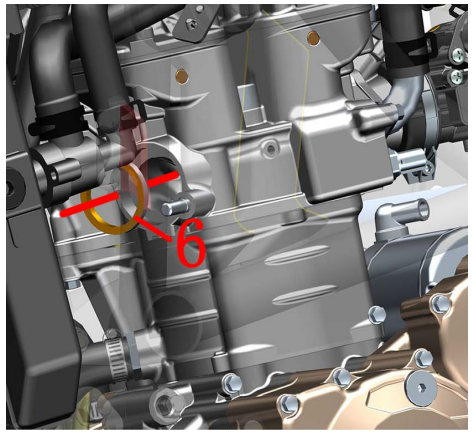
●The muffler should be completely cooled before it is disassembled.











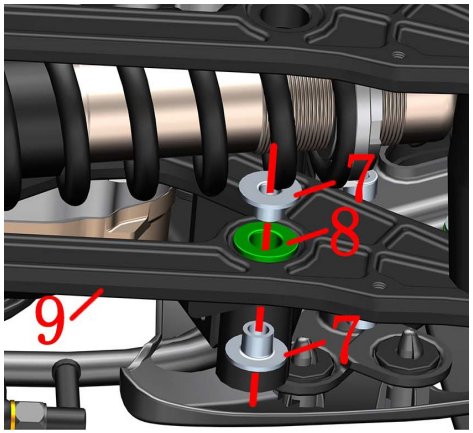


Fig.3MUFFLER COMPONENT		Muffler component 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251300-058093	Hexagonal nut M8(color zinc)	2	
2	1020241-094000	ZT250－S muffler flange	1	
3	1250205-023000	GB70.1 inner hexagonal M8X35 (environmental color)	2	
4	1250303-011093	GB6177.1M8(color zinc)	2	
5	1250105-143093	GB5789M8×35 (environmental color)	1	
6	1070100-133000	ZT250－S engine exhaust outlet seal	1	
7	1274100-068095	ZT310 Muffler flanging bushing	2	
8	1241200-045000	KD150－U muffler suspension cushioning rubber	1	
9	4024200-067000	ZT310 - VX rear shock absorber lower bracket right reinforcing plate	1	

PROCEDURE:

●Muffler assembly

Push the radiator assembly forward to reveal 2 pieces of nuts (1) and remove them with 6# inner hexagon; remove the muffler flange (2).

Fix the nut (4) with a 13# torx wrench on the back and remove the bolt (3) with a 6# inner hexagon on the outside.

After holding the front elbow and rear section of the muffler assembly, remove the middle bolt (5) with a 12# sleeve.

Remove the muffler assembly.

Remove the gasket (6) from the engine exhaust.

Remove the bushing (7) and cushion rubber (8) from the right reinforcing plate (9).

CAUTION:

●The muffler should be completely cooled before it is disassembled.

●Remove first by referring to the steps of removing the right side cover and rear shock-absorbing connecting rod plate.

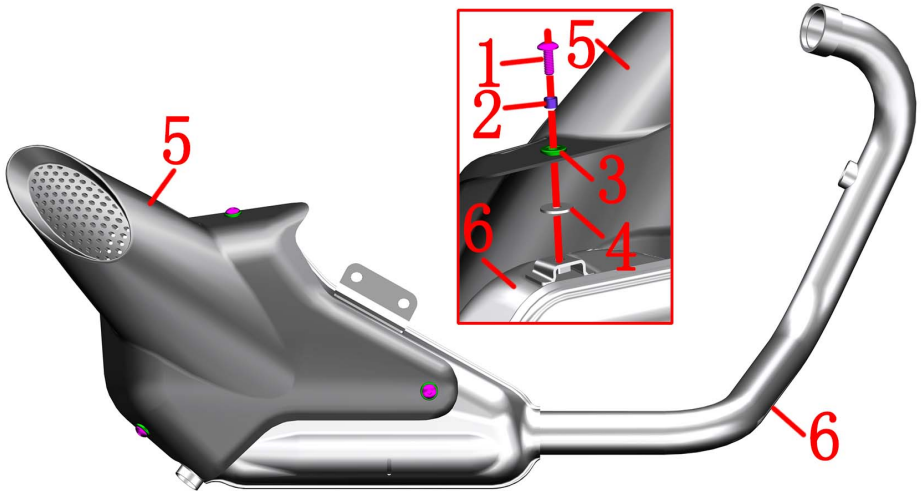


Fig.4MUFFLER COMPONENT		Muffler component3	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non-standard bolt M6×16 (304 stainless steel)	3	
2	1274100-018000	ZT250－S anti-hot plate sleeve, muffler	3	
3	1244100-017000	ZT250－S muffler hot plate rubber buffer	3	
4	1270300-201000	Stainless steel asbestos mat 6×20×1.6	3	
5		ZT310－VX muffler decorative cover	1	
6		ZT310－V1 muffler	1	

PROCEDURE:

●Decorative cover

After holding the decorative cover firmly, use 4# inner hexagon to remove 3 bolts (1), and remove asbestos pad (4).

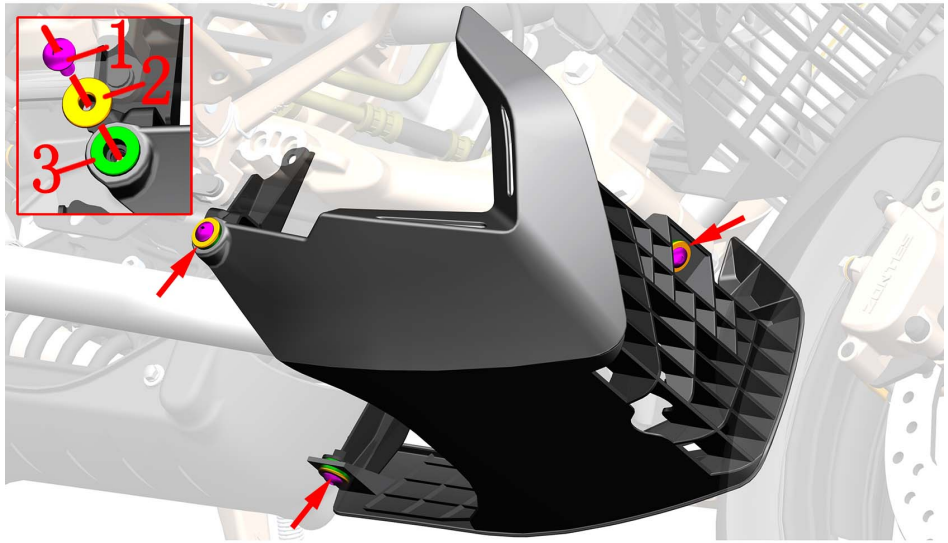
Remove the decorative cover assembly.

Remove the bushing (2) and the cushion rubber (3) from the decorative cover (5).

CAUTION:

●Prevent foreign matter from entering the muffler or engine interior.

●Be careful not to omit asbestos pads when reinstalling.



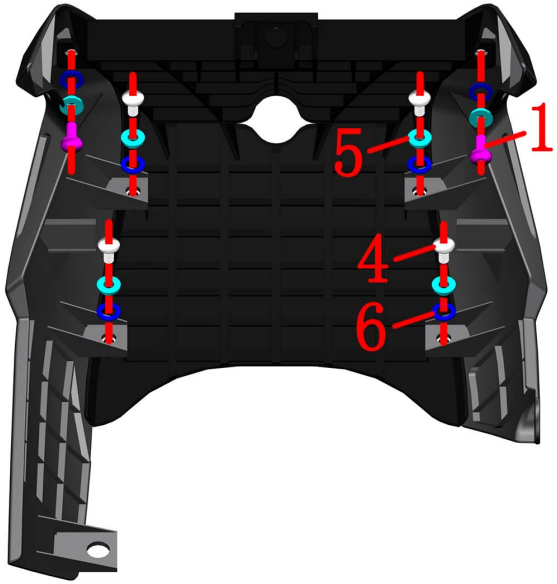


Fig.1 LOWER SHROUD COMPONENT		Lower shroud component-1	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1	1251100-102000	Non-standard bolt M6×16 (304 stainless steel)	3	
2	1274100-007000	ZT250-S flanging sleeve(φ6.4×φ9×6＋φ20×2)	3	
3	1244100-004000	ZT250－S Flanging bushing buffer	3	
4	1251100-101000	Non-standard bolt M6×12 (304 stainless steel)	4	
5	1274100-057095	Flanged bush φ6.2×φ8.4×3.5＋φ14×1.5	4	
6	1244100-052000	Buffer rubber of flanging bushing （φ8.5×φ14×1）	4	

PROCEDURE:

●Lower shroud assembly

Raise the platform of the motorcycle.

After grasping the lower air deflector assembly, use 4# inner hexagon to remove 3 bolts (1), and remove the bushing (2).

After removing the lower air deflector assembly, remove the 3 pieces of buffer (3).

After placing the lower air deflector assembly, remove the bolt (1) on the right with a 4# inner hexagon, and remove the bushing (5) and cushion rubber (6). Remove bolt (4) with 4# inner hexagon, and remove bushing (5) and cushion rubber (6). Separate the right part of the lower air deflector assembly from the lower air deflector assembly.

Separate the left part of the lower air deflector assembly from the middle part of the lower air deflector assembly according to the above steps.

CAUTION:

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

●The shroud should be supported during disassembly to prevent fracture due to uneven force.

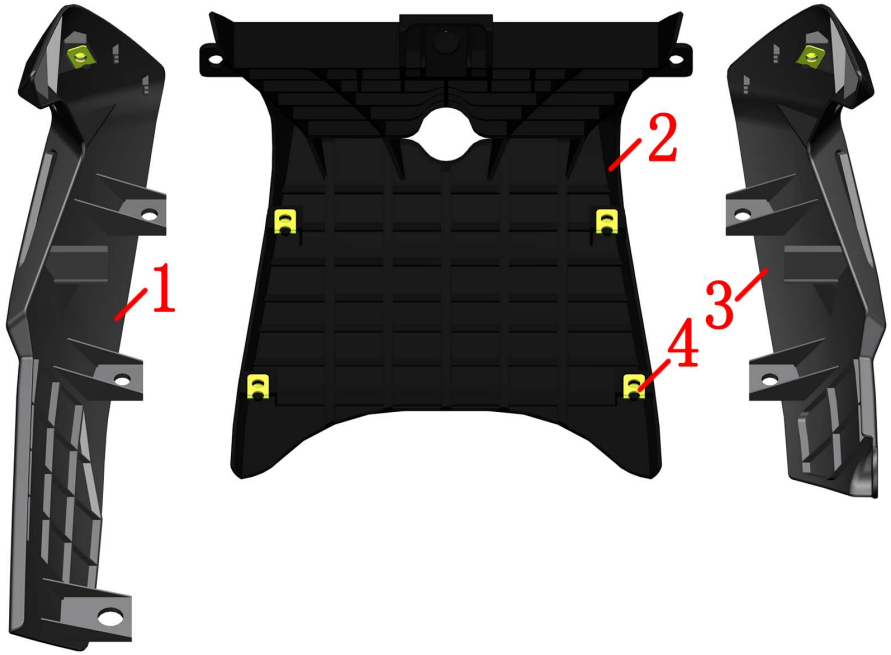


Fig.2 LOWER SHROUD COMPONENT		Lower shroud component 2	CHK ADJ	
NO.	PART NO.	PART NAME	QTY	CAUTION
1		ZT310－V Left support of lower wind deflector	1	
2	1224200-108000	ZT310－V middle part of lower wind deflector	1	
3		ZT310－V Right support of lower wind deflector	1	
9	1251300-063093	Plywood M6×11×15 (environmental color)	6	

PROCEDURE:

●Lower shroud assembly

Remove the splint nut (4) from the left part (1), middle part (2) and right part (3) respectively.

CAUTION:

●The shroud should be well protected during disassembly to prevent breakage or paint scratches caused by uneven force.