

LX350-T Service manual

Brief introduction :

The service manual helps you know well about the repair and maintenance. In case the user read this book periodically, it may raise your theory and actual practice, and finally reach the requirement of VOGÉ training center. This manual is important to promote our after-sales service.

In case there is further information or improvement, there will be a new version, which includes the changes on motorcycle or parts both their description and pictures, even changes on specification in manufacturing.

The logical order in this manual bases upon the working sequence, which is: Disassembly, removal, repair, re-assembly, installation, all their contents are separated to single chapter, who is corresponding to their part in the whole structure of motorcycle.

Some works need the tools for VOGÉ only, we may take note in the working guidance.

In case it is necessary, the maintenance guidance may be released in a form of service information, they will be appeared in the next version by simple diagram and example in easy way.

In case a work needs equipment with special specification or extra operation, we may indicate it in square brackets, and the meanings of other indicating marks are as below:

Introduction for indicating marks:

There are some indicating marks in this service manual, their meanings are as below.

Caution:

Issues need pay attention to during operation, inspection, maintenance and adjustment.

Important:

Issues need pay attention to or pre-caution, otherwise the motorcycle may damage even lead to quality guarantee failure.

This indicating mark means important issue to safety, once ignore it may lead to bad injury to driver or other people of safety..

Parameter:

Fastening torque and the quantity you need.

The word "Remove" means:

Loosen it and then take it out.

The word "Loosen" means:

Get the part loose without taking it out.

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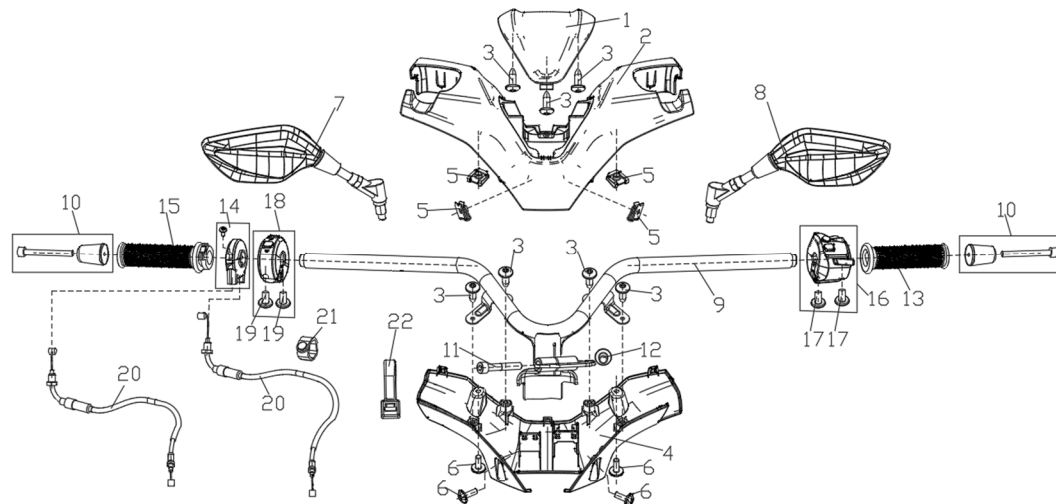
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Maintenance, disassembly and re-assembly for steering stem set

Steering stem set and its parts



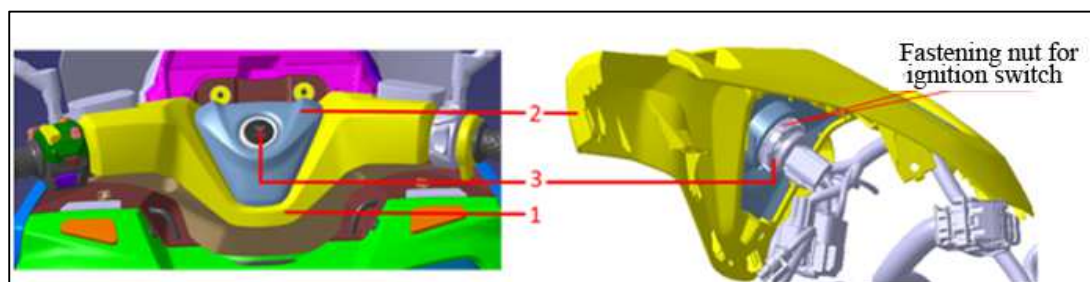
1	Steering set decorative piece	PCS	1
2	Upper protective cover of handle bar	PCS	1
3	Cross head self-tapping screw	PCS	7
4	Lower protective cover of handle bar	PCS	1
5	Clip nut	PCS	4
6	Socket hex. screw	PCS	4
7	Right back-view mirror	PCS	1
8	Left back-view mirror	PCS	1
9	Handle bar set	PCS	1
10	Handle bar balancing weight	PCS	2
11	Socket hex. screw	PCS	1
12	Socket hex. screw	PCS	1
13	Grip	PCS	1
14	Greaser base	PCS	1
15	Greaser	PCS	1
16	Left switch assy.	PCS	1
17	Cross head screw	PCS	2
18	Right switch assy.	PCS	1

19	Cross head screw	PCS	2
20	Throttle cable	PCS	2
21	Clamp	PCS	1
22	Clamping band 148X3.6	PCS	1

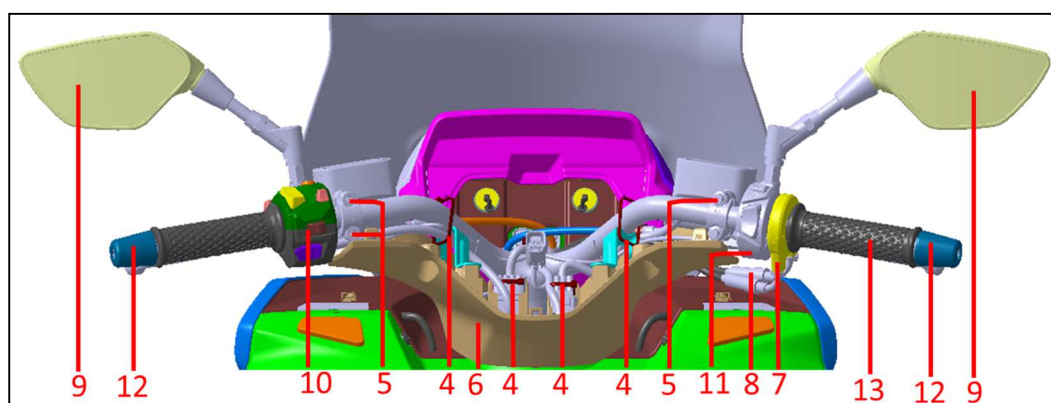
Steps for disassembly and re-assembly for steering stem set

- ① Get the motorcycle upright by main stand.
- ② Remove the bolt, upper and lower handle bar protective covers, and decorative piece 1 & 2 of handle bar protective cover, then remove the ignition switch 3 and cut off the interface with wire harness. In case replace the upper protective 1 for handle bar only, remove its screw and replace the upper cover for handle bar.

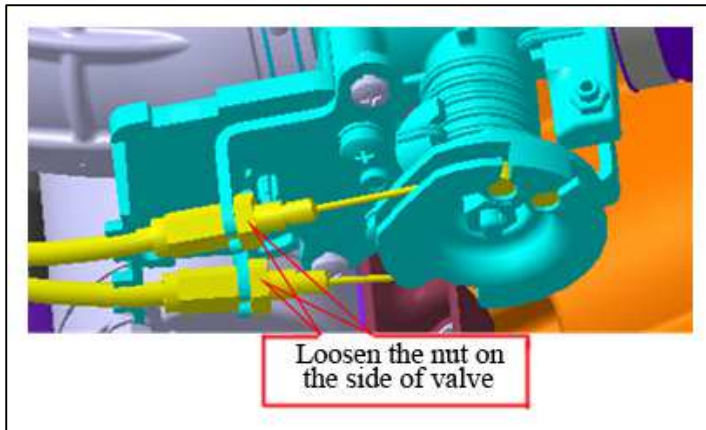
In case replace the ignition switch 3 only or decorative cover 2, remove the installation nut of ignition switch 3.



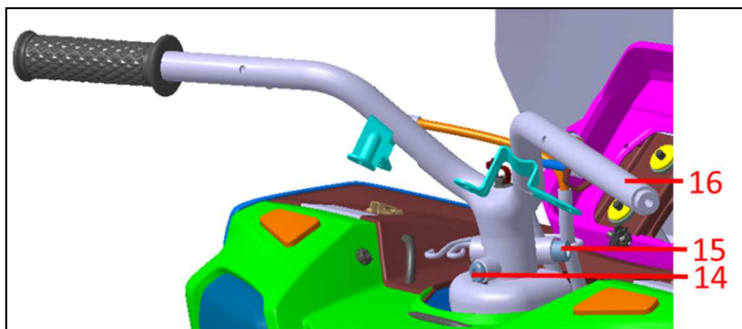
- ③ Cut off the clamping band 4, remove the screw then remove the lower protective cover 6 of handle bar.



- ④ Loosen the nut on the side of valve, remove the screw of greaser base 7, then remove the upper body of greaser body 7, then remove the throttle cable 8 from greaser base' s hole.



- ⑤ Remove the left and right back-view mirror 9.
- ⑥ Remove the installation 5 for upper brake pump, then remove the front and rear brake pumps.
- ⑦ Remove the left switch assy. 10.
- ⑧ Remove the right switch assy. 11.
- ⑨ Remove the balancing weight 12 of handle bar.
- ⑩ Remove the greaser 13.
- ⑪ Remove the bolt 14, 15 and handle bar set 16.



The re-assembly is precisely opposite to disassembly.

Caution:

- ① When re-assembling the left switch assy. 10 and right switch assy. 11, align the positioning pin on switch assy. to the corresponding installation hole on handle bar, then lock up the bolt for switch assy.
- ② When re-assembling the greaser base 7, align its positioning pin to corresponding installation hole on handle bar, then install the throttle cable 8 into greaser 13.
- ③ Because of the difficult re-assembling, the left grip needn' t be removed when replacing the handle bar set 16.

Important:

- ① Confirm the turning free travel after re-assembled.
- ② Confirm the sooth return and turning for greaser.
- ③ Adjust once again the angle of back-view mirror when re-assembled to confirm its correct visual range.
- ④ Coat with sealing glue when re-assembling the left grip.

Parameters:

Fastening torque for upper and lower protective cover of handle bar	Nm	M5	4
Fastening torque for lower protective cover of handle bar	Nm	M4	1.2
Fastening torque for decorative piece of handle bar	Nm	M4	1.2
Fastening torque for ignition switch	Nm	---	2
Fastening torque for back-view mirror	Nm	M10	22
Fastening torque for left and right switch assy.	Nm	M4	1
Fastening torque for greaser base	Nm	M4	1
Fastening torque for upper pumps of front and rear brake pump.	Nm	M6	9
Fastening torque for bolt 11 of handle bar	Nm	M10	60
Fastening torque for bolt 12 of handle bar	Nm	M8	19

Steps for disassembly and re-assembly for throttle cable.

- ① Refer to the <Maintenance for light>, remove the seat, luggage case, and headlight, then remove the installation bolt on dust-proof cover on valve, then remove the dust cover and remove the throttle cable 8.



- ② Remove the greaser base 7 on handle bar, then remove the upper end of 2 throttle cables, cut off the clamping bad on rear fender, then remove the throttle cable 8 and replace for a new one with same specification.

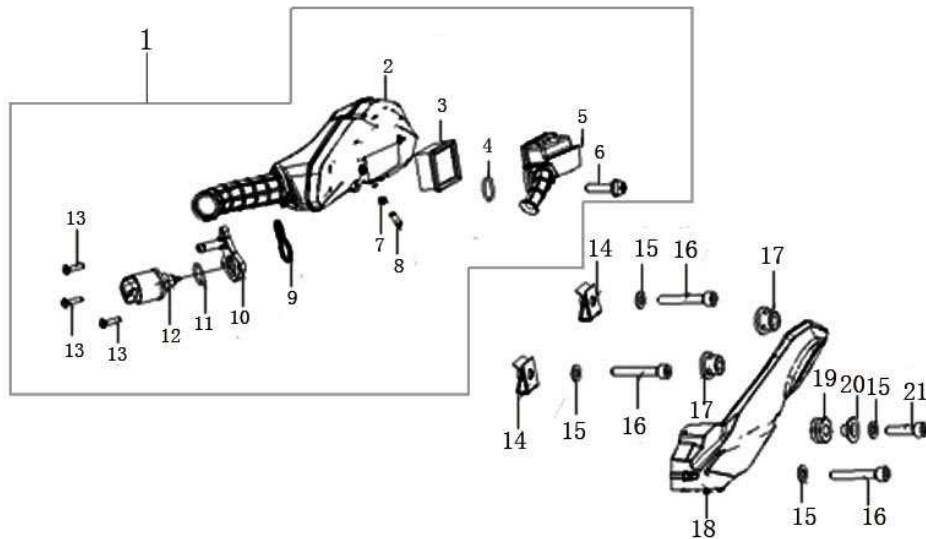
The re-assembly is precisely opposite to re-assembly.

Important:

- ① Pay attention to wiring when replacing the throttle cable to keep the same with former one, otherwise there will be problem on returning
- ② Turn the greaser to confirm the correction re-assembly when it finished, check the jamming and returning failure.
- ③ When removing the dust proof cover on throttle valve, please adopt the shortest screwdriver, in case there is without tool available, please remove the left and right side cover and body of right footrest plate, please refer to the <Maintenance for light>.

Maintenance, disassembly and re-assembly for air filter set

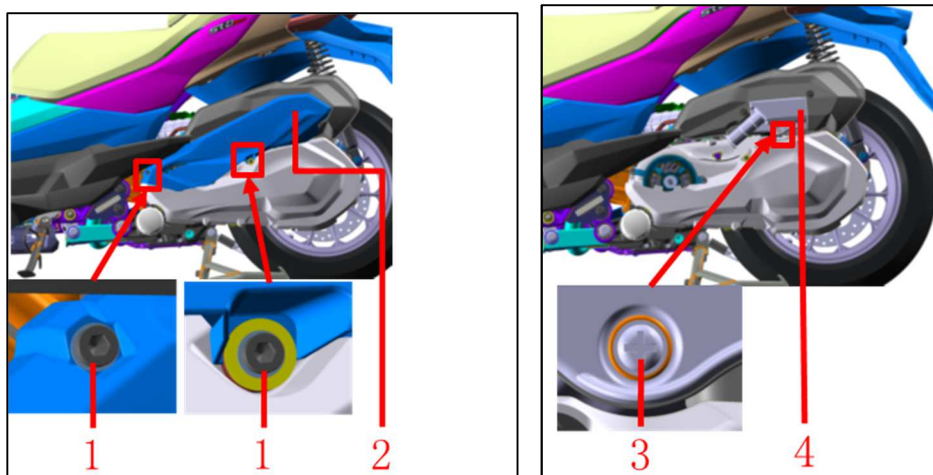
Air filter set and its parts



1	Air filter	PCS	1
2	Air filter case set	PCS	1
3	Element set	PCS	1
4	Seal ring	PCS	1
5	空 Air filter case cover set	PCS	1
6	Socket bolt/Flat washer set	PCS	1
7	Tube clamp	PCS	1
8	Air filter overflow tube	PCS	1
9	Seal ring	PCS	1
10	Idling valve base	PCS	1
11	Seal ring	PCS	1
12	Idling control valve	PCS	1
13	Cross head screw	PCS	3
14	Clip nut	PCS	2
15	Socket hex. screw	PCS	4
16	Flat washer	PCS	3
17	Fast clipping bolt sleeve	PCS	2
18	Protective plate for air filter	PCS	1
19	I-ring	PCS	1
20	Collar	PCS	1
21	Socket hex. screw	PCS	1

Disassembly and re-assembly for air filter' s element:

- ① Keep the motorcycle upright by parking stand.
- ② Remove the installation bolt 1 for protective plate of air filter.
- ③ Remove the protective plate 2 of air filter.
- ④ Remove the installation bolt 3 for air filter case cover.
- ⑤ Remove the case cover 4 of air filter.
- ⑥ Remove the element set.
- ⑦ The re-assembly is precisely opposite to disassembly.



Important:

- ① Confirm the element was installed in place when re-assembled, otherwise the poor sealing may get dust in.
- ② In case the element is broken, please replace.
- ③ In case there is greasy dirt on element, please replace.
- ④ In case the element is wet, please replace.
- ⑤ Dispose the replaced element in environment friendly way.

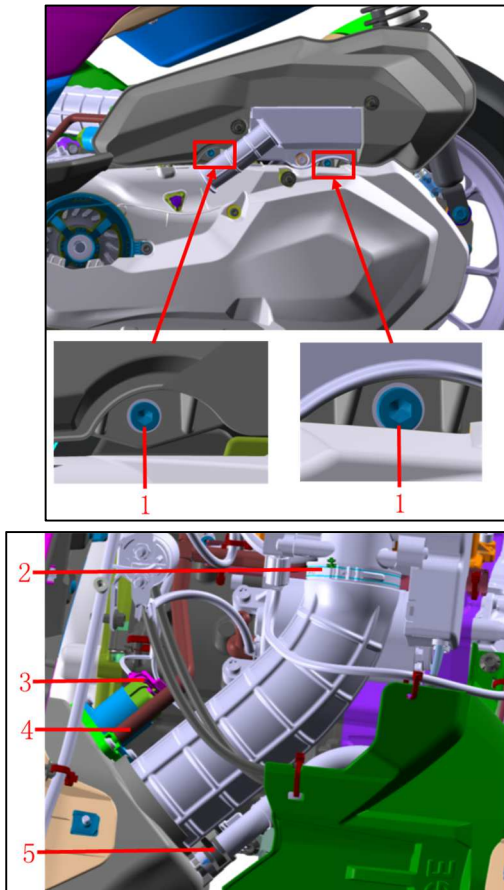
Parameters:

Fastening torque for bolt on protective plate of air filter	M6	Nm	8
Fastening torque for bolt on case cover of air filter	M6	Nm	10

The disassembly and re-assembly for air filter:

- ① Keep the motorcycle upright by parking stand.
- ② Refer to the <Maintenance, disassembly and re-assembly for lights>, remove the luggage case, turnover the seat and bind it on handle bar.
- ③ Remove the protective plate of air filter according to steps of disassembly and re-assembly for element.
- ④ Remove the installation bolt 1 on air filter.

- ⑤ Loosen the clamp 2 connecting throttle valve set and upper air inlet tube of air filter.
- ⑥ Remove the connector 3 connecting wire harness and idling valve on air filter.
- ⑦ Remove the connecting end 4 between air filter and idling valve on air filter.
- ⑧ Remove the connecting end 5 on lower breathing tube and upper idling valve base of air filter.
- ⑨ Remove the air filter.
- ⑩ The re-assembly is precisely opposite to disassembly.

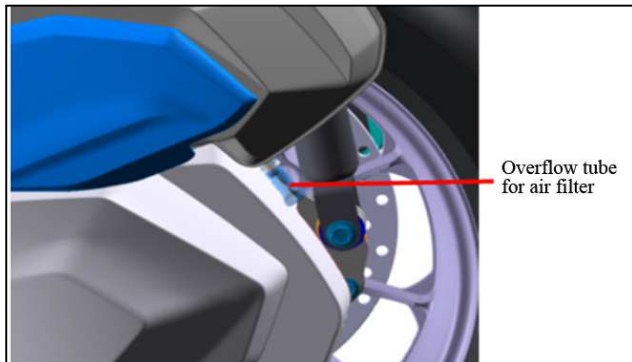


Parameters:

Fastening torque of bolt on air filter	M6	Nm	10
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Steps for cleaning up the residual oil in overflow tube:

- ① Lay an oil tray under the overflow tube of air filter behind the engine,
- ② Loosen the clamp of tube, remove the overflow tube on air filter, drain off the water-oil mixture on air filter.
- ③ The re-assembly is precisely opposite to disassembly.

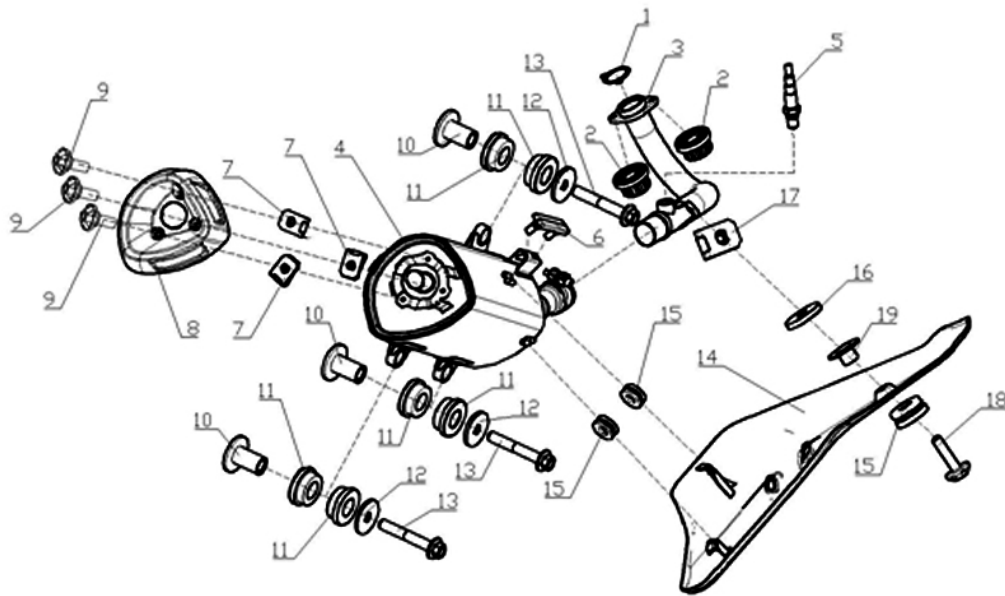


Important:

- ① Too much water-oil mixture in air filter may make it damage, please drain off on time.
- ② Dispose the waste oil in environment friendly way.

Maintenance, disassembly and re-assembly for air exhaust set

Air exhaust set and its parts

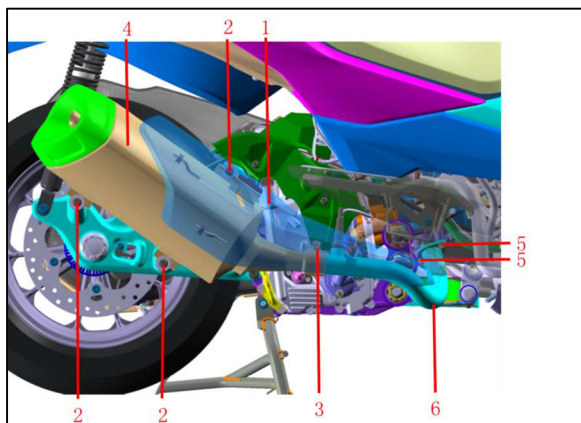


1	Gasket for air exhaust port	PCS	1
2	Installation nut for muffler	PCS	2
3	Welding set for air exhaust pipe	PCS	1
4	Rear part of muffler	PCS	1
5	Oxygen sensor	PCS	1
6	Damping piece	PCS	1
7	Clip nut	PCS	3
8	Tail cover of muffler	PCS	1
9	Socket hex. screw	PCS	3
10	Collar	PCS	3
11	Installation rubber sheet of muffler	PCS	6
12	Flat washer	PCS	3
13	Hex. flange bolt	PCS	3
14	Muffler protective shield	PCS	1
15	I-ring	PCS	3

16	Heat insulator shim	PCS	1
17	Clip nut	PCS	1
18	Socket hex. screw	PCS	1
19	Collar	PCS	1

Steps for disassembly and re-assembly of muffler:

- ① Keep the motorcycle upright by parking stand.
- ② Remove the muffler protective shield 1 by tools.
- ③ Remove the bolt 2 and loosen the bolt for connecting sleeve of muffler, then remove the rear part 4 of muffler.
- ④ Check the damage on graphite ring on rear part of muffler; In case damaged, remove the graphite ring by tools, otherwise needn' t.
- ⑤ Remove the wire connector of oxygen sensor and remove its fixing band.
- ⑥ Remove the nut 5 on air exhaust port, then remove its welding set 6.
- ⑦ Remove the oxygen sensor.
- ⑧ Remove the gasket of air exhaust port of muffler.
- ⑨ The re-assembly is precisely opposite to disassembly.



Important:

- ① Pay attention to damage on graphite ring when re-assembling, in case it is the sealing performance may be bad, please replace.
- ② Replace the gasket when re-assembling the air exhaust pipe, because the old gasket is in poor sealing performance.
- ③ When re-assembling the muffler, pre-fasten the 2 fastening nuts on muffler welding set, then

when the rear part of muffler and welding set are connecting in place, pre-fasten the 3 installation bolts on the rear part of muffler, finally fasten the fastening nuts on welding set, the bolt on connecting sleeve, and installation bolt for rear part of muffler in turn.

- ④ Start the motorcycle when re-assembly finished, to check the air leakage on sealing positions.

Caution:

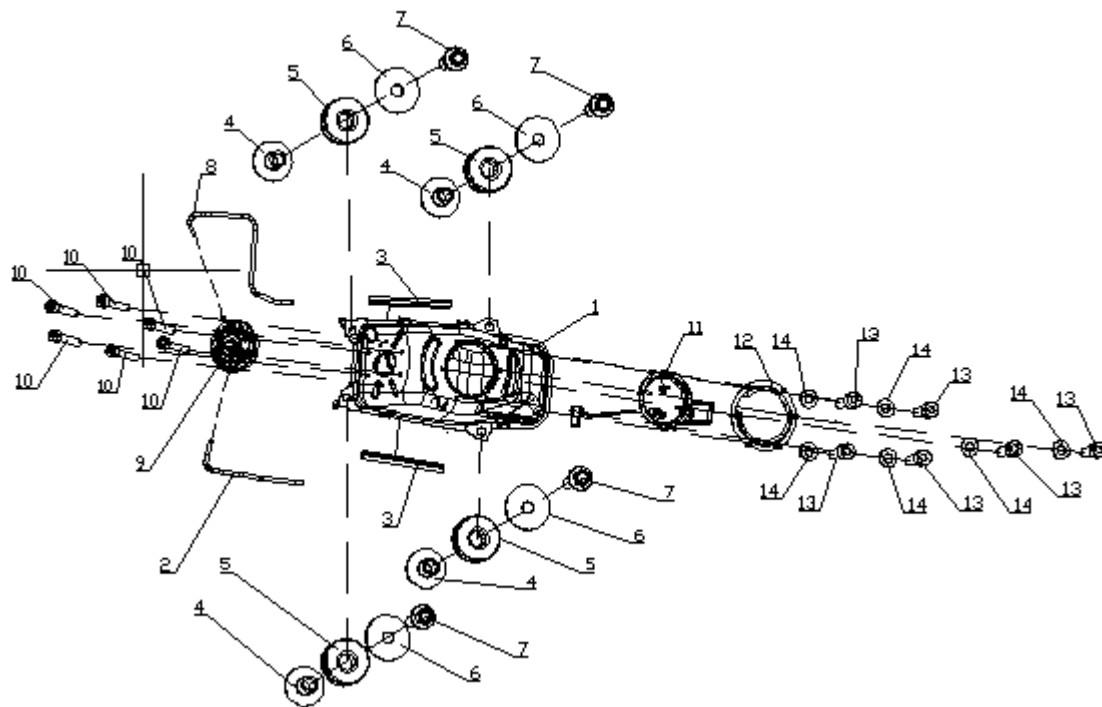
- ① Remove the muffler when it was got cool to avoid scald.
- ② There is steel wire in graphite ring, please don't hurt yourself.
- ③ Don't remove the graphite ring for connecting rear part of muffler in case it works normally, otherwise the graphite ring may damage.
- ④ Please dispose the replaced graphite ring in environment friendly way.

Parameters:

Connecting bolt of welding pipe on air exhaust pipe	M7	Nm	14
Locking bolt for connecting clamp connecting rear part of muffler and air exhaust welding set	M8	Nm	25
Fixing bolt on rear part of muffler	M8	Nm	21
Fastening bolt on oxygen sensor		Nm	25
Connecting bolt on protective shield of muffler	M5	Nm	4.5

Maintenance, disassembly and re-assembly for fuel tank set

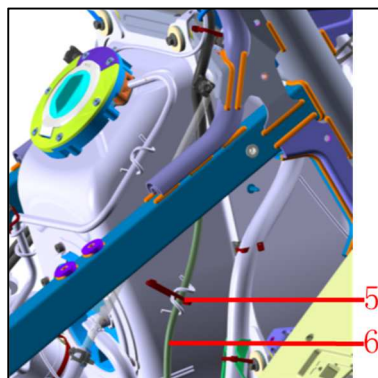
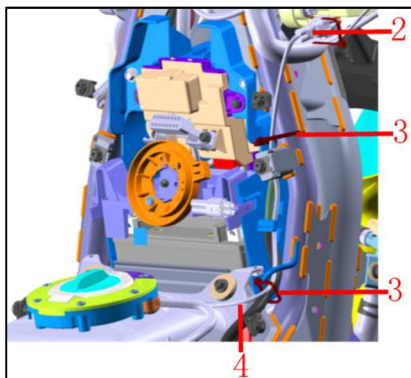
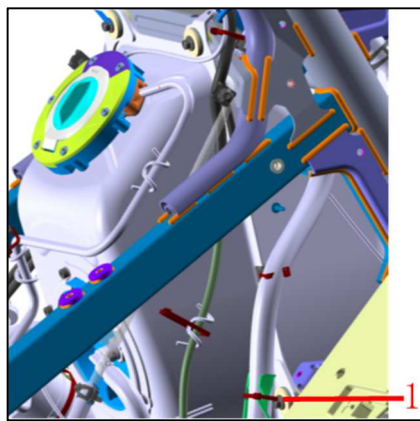
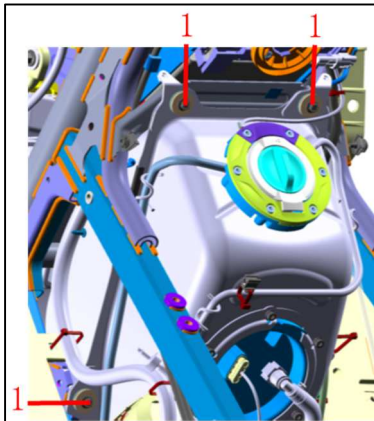
Fuel tank set and its parts

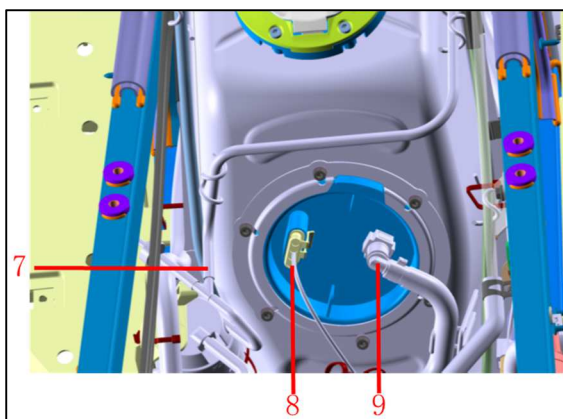


1	Fuel tank	PCS	1
2	Breathing tube	PCS	1
3	Protective strip 93mm	PCS	2
4	Flange washer	PCS	4
5	I-ring	PCS	4
6	Flat washer	PCS	4
7	Hex. flange bolt	PCS	4
8	Breathing tube	PCS	1
9	Fuel tank lock	PCS	1
10	Socket hex. screw	PCS	6
11	Electrical fuel pump	PCS	1
12	Fuel pump installation plate	PCS	1
13	Socket hex. screw	PCS	6
14	Flat washer	PCS	6

Steps for removing fuel tank set:

- ① Keep the motorcycle upright by parking stand.
- ② Remove the luggage case, seat, left/right footrest, middle plate and decorative cap of fuel tank in turn by referring <Removal for headlight>.
- ③ Remove the 4 bolts 1 for installing fuel tank.
- ④ Remove the connector 2 for fuel tank wire, cut off the clamping band 3 for fuel tank wire then straighten up the wire 4 for fuel tank lock.
- ⑤ Remove the connector 4 for wire for electrical fuel pump.
- ⑥ Cut off the clamping band 5 for rear brake tube, then straighten up brake oil tube out the hook of fuel tank.
- ⑦ Remove the connecting end 7 between breathing tube and controller set of fuel evaporation.
- ⑧ Remove the connecting end 8 between fuel tube set and electrical fuel pump.
- ⑨ Remove the connector 9 between wire harness and electrical fuel pump.
- ⑩ Remove the fuel tank set.
- ⑪ The re-assembly is precisely opposite to disassembly.





Important:

- ① Straighten up the surrounding wires when re-assembling, otherwise the wires may crack.
- ② Cut off the connection of positive and negative terminal of battery before disassembling or re-assembling to avoid short circuit.

Caution:

- ① Because there is too many wire hooks on fuel tank and too many surrounding wires, please avoid grasping when removing; Install every part in place when re-assembling and straighten up the wires.

Parameters:

Fuel tank installation bolt	M6	N.m	8
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Steps for removing the fuel tank lock:

- ① Remove the 6 installation bolts on fuel tank.
- ② Remove the fuel tank lock.
- ③ The re-assembly is precisely opposite to disassembly.

Caution:

- ① Repeatedly confirm the fuel tank lock could be opened after re-assembled.
- ② Please avoid fuel leakage during disassembling the fuel tank lock.
- ③ Install the gasket between fuel tank and its lock in place when re-assembling.

Parameters:

Fastening bolt for fuel tank lock	M5	N.m	1.6
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The steps for removing fuel pump:

- ① Drain off the fuel tank first.
- ② Remove the 6 installation bolts for electrical fuel pump.
- ③ Remove the installation plate of fuel pump.
- ④ Remove the electrical fuel pump.
- ⑤ The re-assembly is precisely opposite to disassembly.

Caution:

- ① Check if the net screen for fuel pump is clean when removing, in case there is necessity, please wash it in clean fuel, and repeatedly wash the filtering screen.

Important:

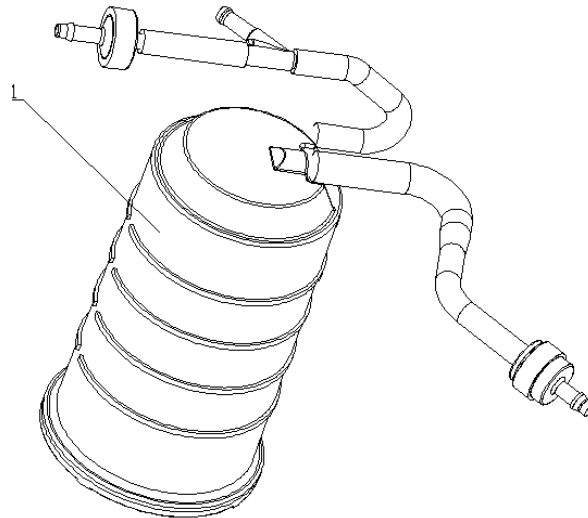
- ① Replace the gasket of fuel pump when re-assembling the pump, otherwise the fuel may leak out.
- ② Check the sealing performance when re-assembled the fuel pump, which need pressure gauge for it only.
- ③ Dispose the replaced gasket for fuel pump in environment friendly way.

Parameters:

Installation torque for fuel pump bolt	M5	N.m	5
Static pressure for fuel tank		bar	0.3±0.02

Maintenance, disassembly and re-assembly for controller set of fuel evaporation

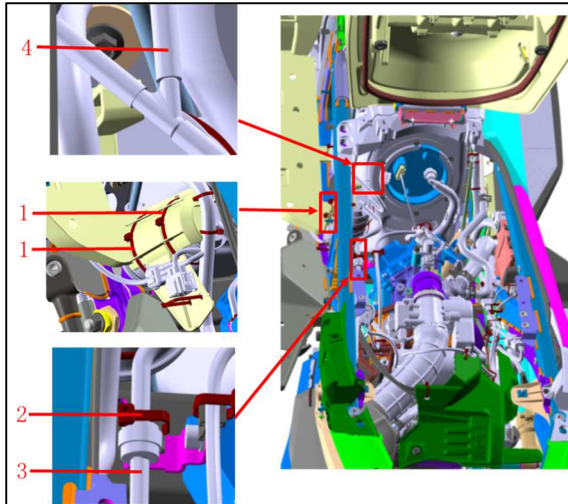
Fuel evaporation controller set



1	Fuel evaporation controller set	PCS	1
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The steps for removing fuel evaporation controller set:

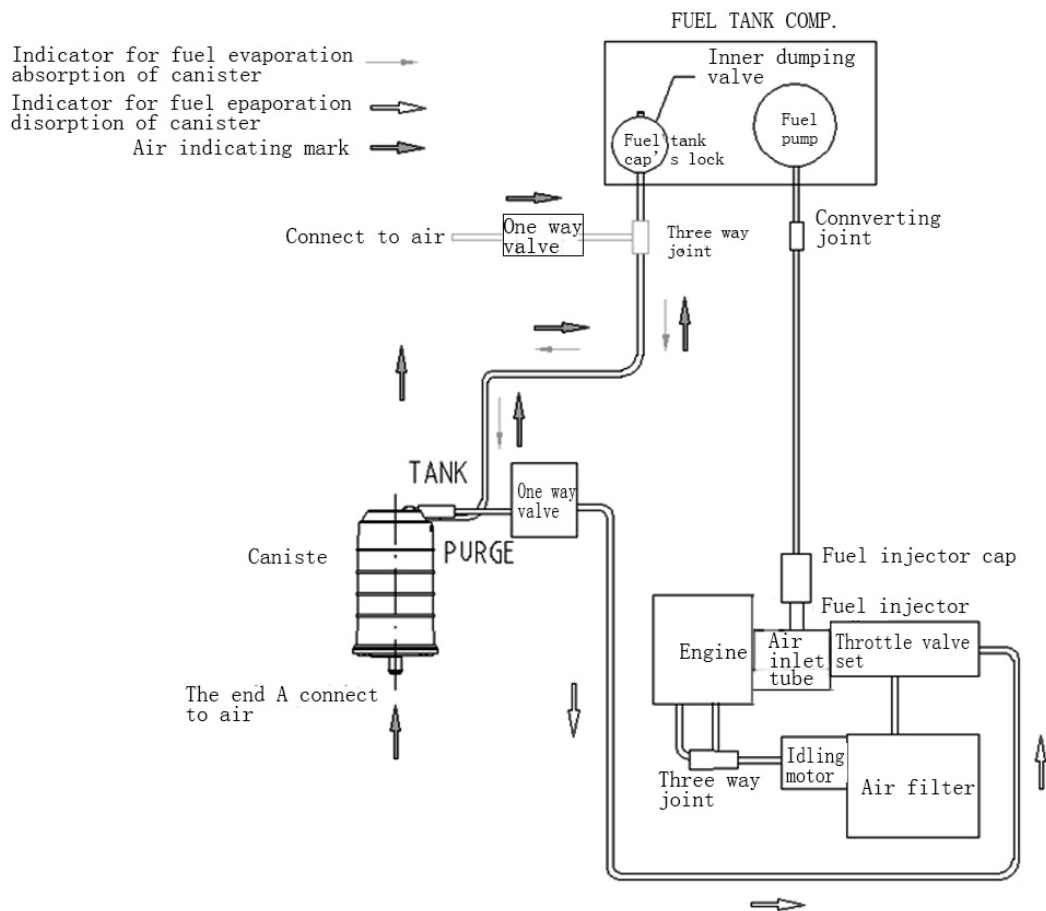
- ① Keep the motorcycle upright by parking stand.
- ② Remove the luggage case and turn the seat set by 75 ° by referring the <Removal of headlight set>, then bind it on handle bar and remove the left footrest body.
- ③ Cut off the clamping band 1 for fixing the fuel evaporation controller set on the support of left footrest pedal.
- ④ Cut off the clamping band 2 for fixing the fuel evaporation controller set on the engine.
- ⑤ Remove the connecting end 3 between fuel evaporation controller set and breathing tube.
- ⑥ Remove the connecting end 4 between fuel evaporation controller set and breathing tube.
- ⑦ Remove the fuel evaporation controller set.
- ⑧ The re-assembly is precisely opposite to disassembly.



Caution:

- ① The connection between fuel evaporation controller set and connecting end of breathing tube is tight, please pay attention to protection for workers.

The figure for showing the fuel evaporation controller set

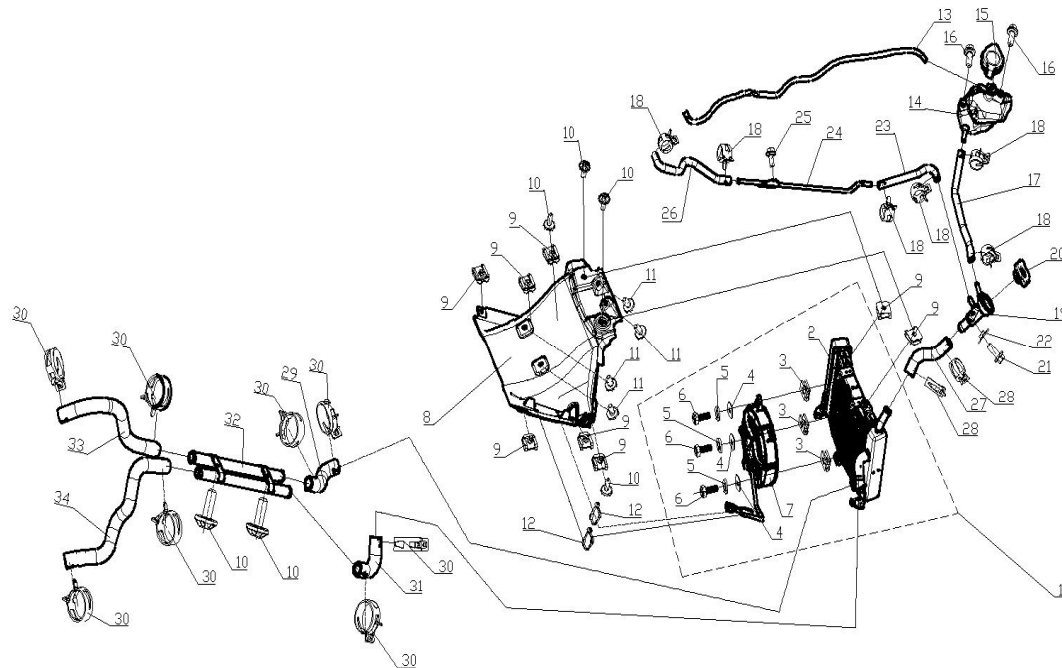


The working principle for fuel evaporation controlling system.

- ① When the gasoline in fuel tank get heating, the fuel evaporation get out, absorbed by end TANK of canister from inner dumping valve in fuel tank lock.
- ② Get the motorcycle inclining by 60° , the dumping valve get closed, the gasoline can not flow into canister by getting through dumping valve.
- ③ The fresh air gets into throttle valve from the end PURGE by flowing from end A of canister, then gets into engine to join combustion by getting through air inlet tube.

Maintenance, disassembly and re-assembly for heat radiation system

Heat radiation system and its parts

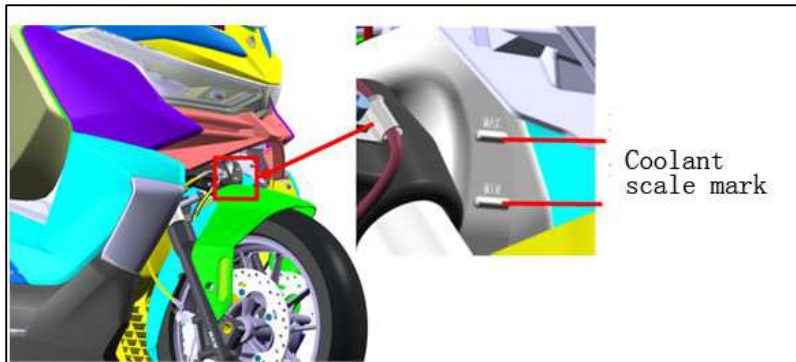


1	Heat radiator set	PCS	1
2	Heat radiator body	PCS	1
3	Clip nut	PCS	3
4	Flat washer	PCS	3
5	Elastic washer	PCS	3
6	Hex. bolt	PCS	3
7	Electric fan set	PCS	1
8	Air fairing cover	PCS	1
9	Clip nut	PCS	8
10	Socket hex. screw	PCS	6
11	Socket hex. screw	PCS	4
12	Clamping band 148X3.6	PCS	2
13	Breathing tube	PCS	1
14	Sub tank	PCS	1
15	Tank cover	PCS	1
16	Socket hex, screw	PCS	2
17	Water tube	PCS	1
18	Tube clamp	PCS	6
19	Water filling-up port	PCS	1
20	Tank cap	PCS	1
21	Hex. flange bolt	PCS	1
22	Flange washer	PCS	1
23	Water tube	PCS	1
24	Water tube	PCS	1
25	Hex. flange bolt	PCS	1
26	Water tube	PCS	1

27	Water tube	PCS	1
28	Tube clip	PCS	2
29	Water tube	PCS	1
30	Tube clip	PCS	8
31	Water tube	PCS	1
32	Water tube	PCS	1
33	Water tube	PCS	1
34	Water tube	PCS	1

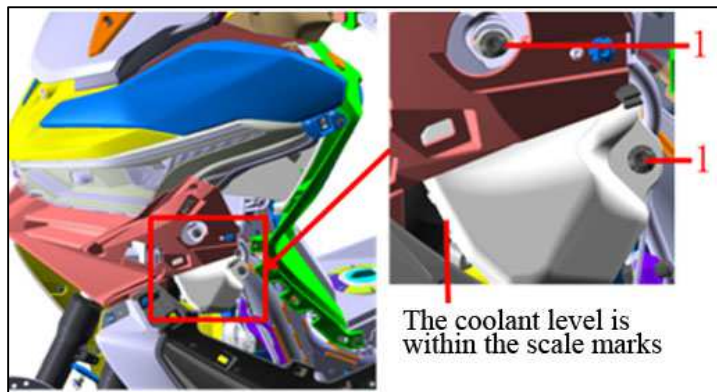
Steps for checking coolant:

- ① Keep the motorcycle upright by parking stand.
- ② Check the sub tank in the left front, whose coolant level shall be within scale marks, in case under the lower scale mark, please fill it up, but shall not be higher than the upper scale mark.



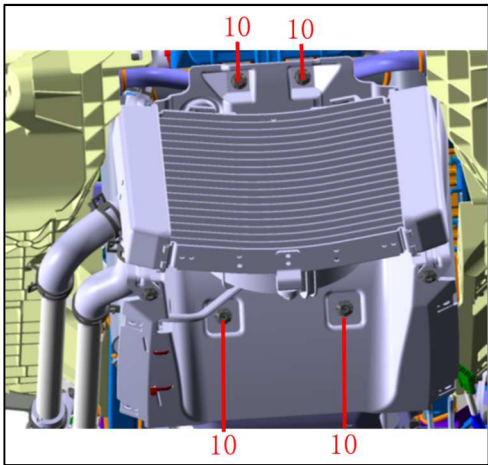
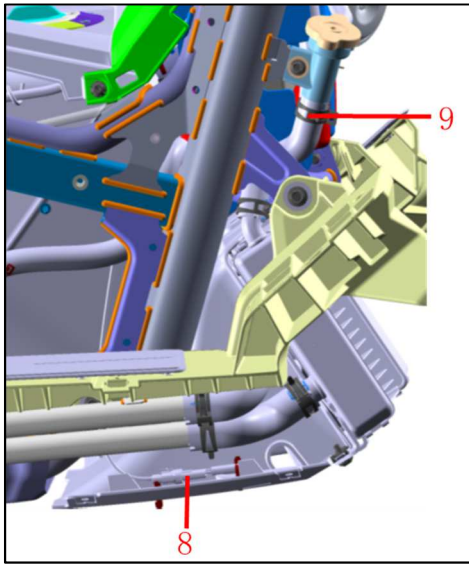
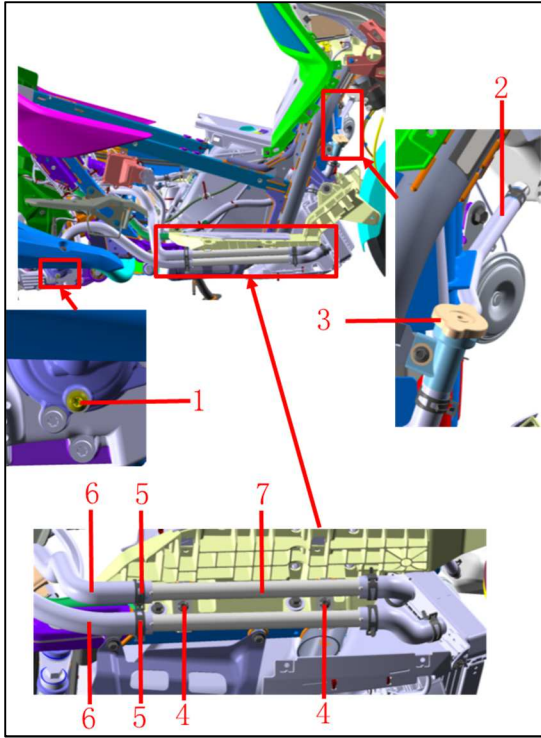
Steps for filling up coolant:

- ① Keep the motorcycle upright by parking stand.
- ② Remove the luggage case, left side cover, and left front cover in turn by referring the <Removal for headlight set>.
- ③ Remove the fixing bolt 1 on sub tank.
- ④ Fill up the coolant into sub tank by tool funnel, put the tank on its installation position and make sure its level is within scale marks.
- ⑤ The coolant filling up finished.
- ⑥ Re-assemble the corresponding covering parts in opposite order by step 2nd.



The steps for coolant replacement:

- ① Keep the motorcycle upright by parking stand.
- ② Remove the luggage case, left/right main footrest pedal body and lower fairing cover in turn by referring <Removal of headlight set>.
- ③ Lay a liquid tray under the drainage bolt 1 for coolant at the right front of engine.
- ④ Close the water tube 2 connecting water filling up port and sub tank by the pliers for it only.
- ⑤ Remove the drainage bolt 1 by tools, screw off the tank cap 3 on heat radiator' s coolant filling up port, drain off the coolant in its passage in engine until it finished.
- ⑥ Slowly release the special pliers for closing the water tube 2, drain off the coolant in sub tank.
- ⑦ Lay a liquid tray under the rear lower place of holder of right footrest pedal.
- ⑧ Remove the fixing bolt 4 on water tube 7.
- ⑨ Loosen the water tube clamp 5 and separate the water tube 6 and 7, then drain off the coolant in cooling water tube.
- ⑩ Remove the connector 8 who connecting the wire harness and heat radiation fan.
- ⑪ Loosen the water tube clamp 9 and separate the water tube and water filling up port.
- ⑫ Remove the 4 fixing bolt 10 on heat radiator and remove the radiator itself.
- ⑬ Drain off the residual coolant in heat radiator.
- ⑭ Re-assemble the heat radiator by step 12th, 11th , 10th, 9th and 8th.
- ⑮ Screw up the water drainage bolt 1.
- ⑯ Fill up the coolant from the port by funnel until it is full.
- ⑰ Start the engine for idling run, check the water filling up port of heat radiator, at this moment, the liquid level may get fall, then continue the filling up until it doesn' t fall again.
- ⑱ Re-assemble the tank cap 3.
- ⑲ Fill up the coolant according to step 3rd, 4th, and 5th until it finished.
- ⑳ Re-assemble the covering parts by opposite order of step 2nd.



Important:

- ① Collect the drained coolant by suitable container and dispose in environment friendly way.
- ② Please clean up the installation surface of water drainage bolt on engine to avoid impurity on it.
- ③ Please start engine when replacement finished, and suitably run it in high speed to confirm if there is leakage on water pipeline.

Caution:

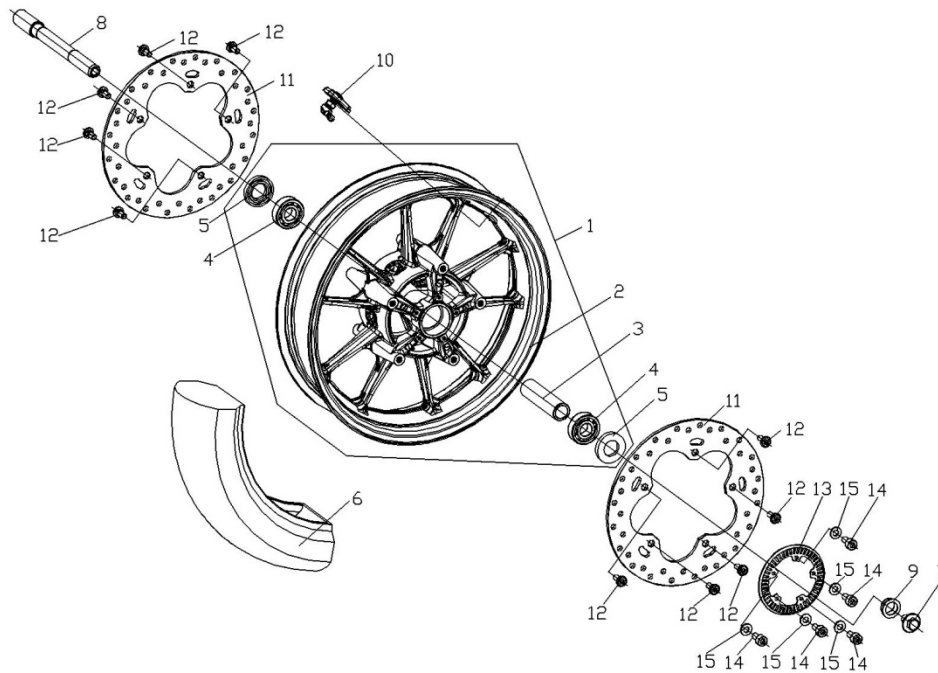
- ① When the works above finished, wash up the greasy dirt on engine surface by cleanser, then dry it up by compressed air.

Parameters:

Coolant drainage bolt	M6	N.m	9
Coolant capacity		L	1.4
Coolant specification	BASF Glysantin G48-24		

Maintenance, disassembly and re-assembly for front wheel set

Front wheel set and its parts

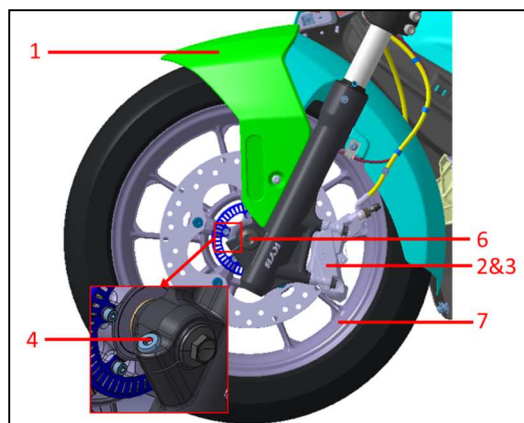


1	Front wheel	PCS	1
2	Front wheel body	PCS	1
3	Collar	PCS	1
4	Bearing	PCS	2
5	Oil seal	PCS	2
6	Front tire	PCS	1
7	Hex. flange bolt	PCS	1
8	Axle	PCS	1
9	Collar	PCS	1
10	Tire pressure sensor	PCS	1
11	Front disc brake plate	PCS	2
12	Disc brake plate fastening bolt	PCS	10
13	Shim for speed sensor	PCS	1
14	Socket hex. screw	PCS	5
15	Flat washer	PCS	5

Steps for removing the front wheel:

- ① Keep the motorcycle upright by parking stand.
- ② Remove the front fender 1.
- ③ Remove the caliper 2& 3 for left and right front disc brake by tools.
- ④ Loosen the bolt 4& 5 on the front fork.
- ⑤ Loosen the bolt 6.
- ⑥ Remove the front wheel axle.
- ⑦ Remove the front wheel set 7.

The re-assembly is precisely opposite to disassembly.



Caution:

- ① Please don't operate the front brake lever when caliper on the front disc brake is removed, to avoid piston moving and difficult in its re-assembly.
- ② When re-assembling the front fender, recover the fixing way of disc brake tube to the situation before removing.
- ③ Re-assemble the lower pump of front disc brake by its requirement on fastening by referring <Maintenance, disassembly and re-assembly for brake system>.

Important:

- ① The working surface of brake pads and plate shall not be with dirt when re-assembling.
- ② Repeatedly operate the front brake lever to confirm its normal work when replaced.
- ③ Confirm the dynamic balance for front tire on corresponding equipment when the tire re-assembled.
- ④ Coat the collar and oil seal of front wheel with lithium lubricant when re-assembling.

Parameter:

Front wheel		Aluminium alloy casting	3.5"x15"
Front tire		Diagonal tubeless tire	120/70-15
Fastening bolt on upper wheel axle of	M8	Nm	19

front shock absorber			
Fastening torque for front tire	M20	Nm	32
Fastening torque for front disc brake caliper	M8	Nm	32
Brake plate' s fastening torque	M8	Nm	19
Fastening torque for covering parts' bolt	M5	Nm	4.5
Fastening torque for shim on speed sensor	M5	Nm	5
Lubricant		g	2
Max. unbalanced degree on the front wheel		g	5
Air pressure in tire		Bar	2.2

Steps for removing brake plate:

- ① Put the removed front wheel set on working bench.
- ② Remove the fastening bolt of disc brake plate, then remove the front disc brake plate.

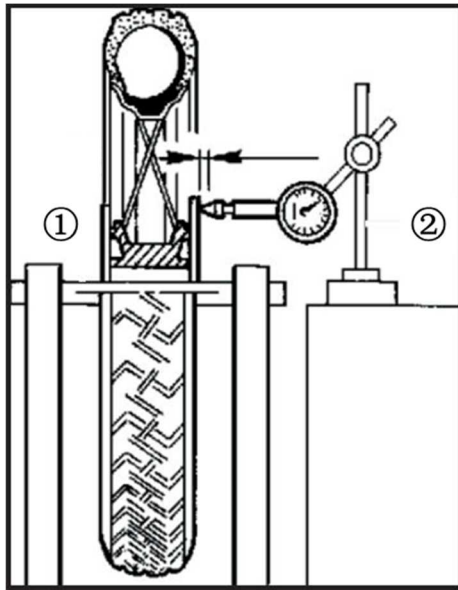
The re-assembly is precisely opposite to disassembly.

Caution:

- ① The screw of front brake plate is with Loctite, please adopt tools with correct specification, otherwise it will be difficult to be removed.

Important:

- ① There shall not be dirt on the working surface of brake pads and plate.
- ② Coat the thread of brake plate' s bolt with Loctite when re-assembling the brake plate.
- ③ The side with letter faces outwards when re-assembling the brake plate.
- ④ Confirm once again the runout of end at brake plate when re-assembled as shown:
By balancing shaft (1) Put the front wheel on balancing bracket.
By measurement gauge (2) Measure the end runout of disc brake plate.



The end runout shall not be bigger than	mm	0.3

Steps for removing tire:

- ① Put the removed front wheel set on the working bench.
- ② Remove the core of valve and discharge the air in tire.
- ③ Remove the front tire by the tools for it only.
- ④ Remove the valve core.

The re-assembly is precisely opposite to disassembly.

Caution:

- ① Please adopt the equipment for tire re-assembly only, the forced re-assembly may make permanent damage on tire.

Important:

- ① Align the light point on tire to the valve core on wheel hub when re-assembling, which is good for dynamic balance work latter.

Steps for removing bearing and oil seal on front wheel:

- ① Put the removed front wheel on the working bench.
- ② Remove the brake plate and tire.
- ③ Remove the oil seal, bearing and inner liner of front wheel hub in turn by tools for them only.
- ④ Replace the parts for a new one with same specification.

The re-assembly is precisely opposite to disassembly.

Important:

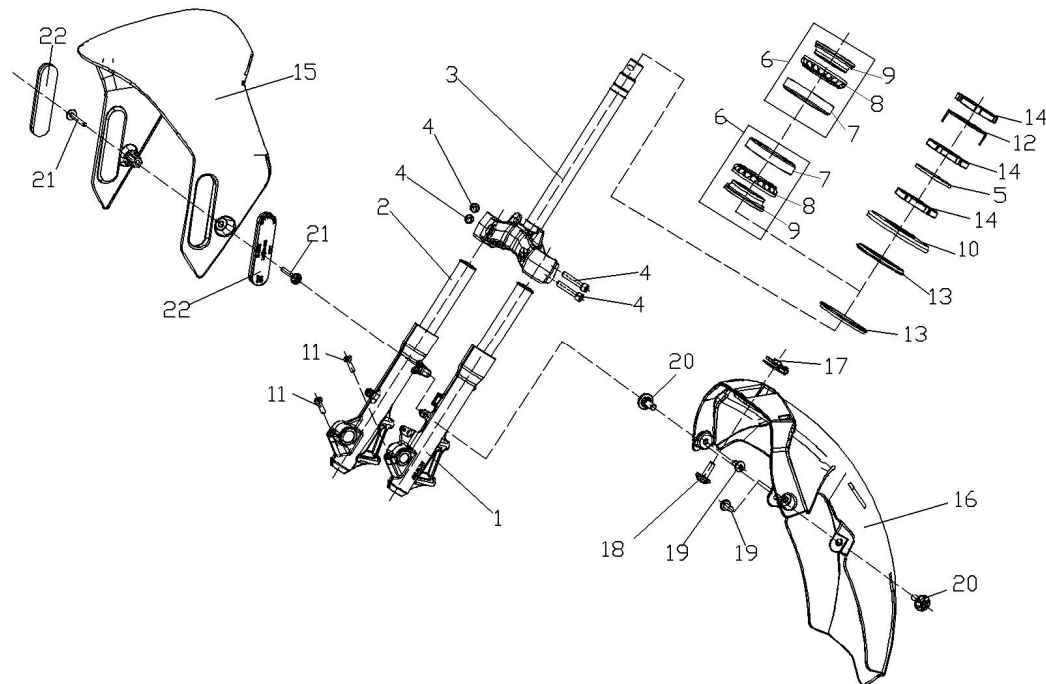
- ① The oil seal of front wheel gets damaged when removed, please replace for a new

one.

- ② The removal of front wheel bearing needs the drawing tool for it only.
- ③ For a better re-assembly, please heat the hole of front wheel bearing to 100℃, the press-fit the bearing.

Maintenance, disassembly and re-assembly for front fork

Front fork set and its parts

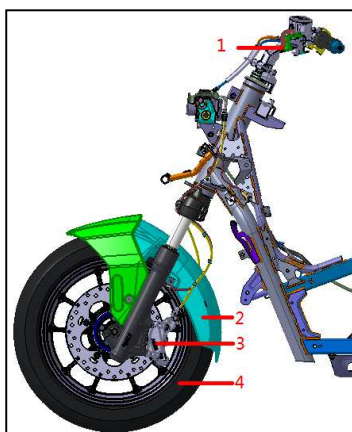


1	Left front shock absorber	PCS	1
2	Right front shock absorber	PCS	1
3	Steering stem set	PCS	1
4	Socket hex. flange bolt M10X50	PCS	4
5	Rubber flat washer	PCS	1
6	Steering bearing	PCS	2
7	Bearing base ring	PCS	2
8	Bearing circlip	PCS	2
9	Steel ball set	PCS	2
10	Dust proof cap of steering stem	PCS	1
11	Socket hex. screw	PCS	2
12	Check washer	PCS	1
13	Steering seal ring	PCS	2
14	Locking nut of steering stem	PCS	3
15	Front part of front fender	PCS	1
16	Rear part of front fender	PCS	1
17	Clip nut	PCS	1
18	Socket hex. screw	PCS	1
19	Cross head self-tapping screw	PCS	2
20	Socket hex. screw	PCS	2

21	Socket hex. screw	PCS	2
22	Side reflector (Yellow K08)	PCS	2

Disassembly and re-assembly for steering stem

- ① Keep the front part of motorcycle suspending by lifting jack.
- ② Remove the handle bar set 1 by referring to <Maintenance, disassembly and re-assembly for steering stem set>.
- ③ Remove the front fender set 2, lower pump 3 of front disc brake and front wheel set 4 by referring to <Maintenance, disassembly and re-assembly for front wheel set>.

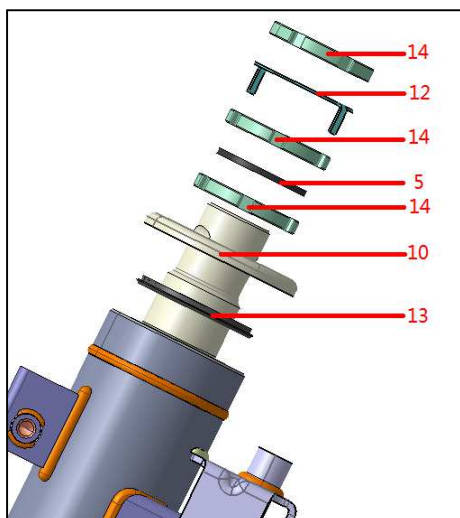


- ④ Remove the speed sensor 5 for front wheel on the left front shock absorber, then remove the three-way joint 6 of front brake oil tube fixing on front fork.

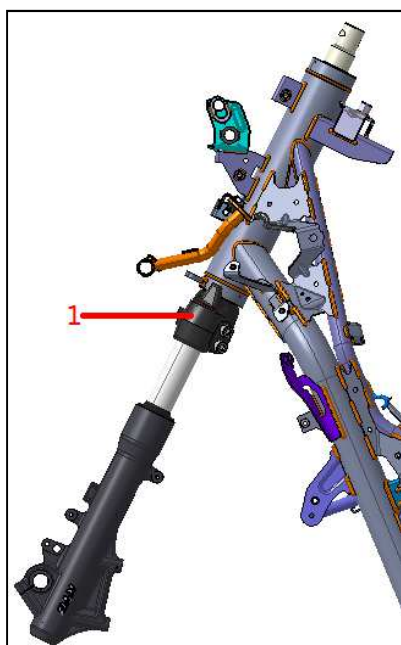
⑤



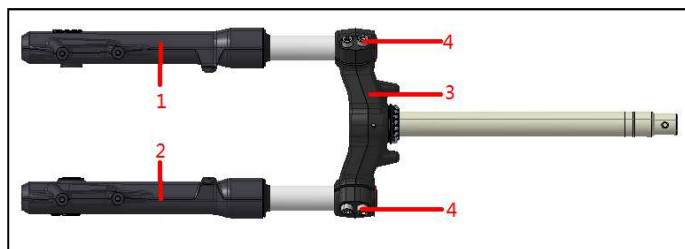
- ⑥ Remove the locking nut 14 on steering stem, check washer 12, locking nut 14 of steering stem, rubber flat washer 5, locking nut 14 for steering stem, dust proof cover for steering stem and steering seal ring in turn.



⑦ Remove the front fork 1.



⑧ The front fork is as below, remove the bolt 4, then the left & right front shock absorber, and steering stem 3 are removable.



The re-assembly is precisely opposite to disassembly.

Caution:

① When re-assembling the front shock absorbers, make sure the left and right ones' hole

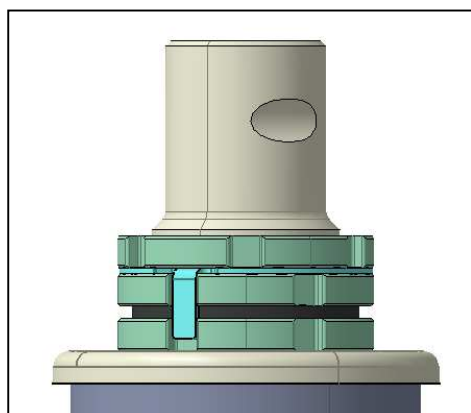
and that of front wheel are in the same hole, and after the front wheel axle re-assembled, it could be turned freely.

Important:

- ② When re-assembling the steering bearing, please coat it with lithium lubricant to make sure the normal lubrication.
- ③ Confirm the correct clearance between the sensor' s detector of ABS and response gear ring of front wheel when re-assembling.
- ④ The 3 adjusting and locking nuts for steering stem must be strictly re-assembled by requirement as the Parameter Table shows, otherwise the turning may not be smooth.

Parameters

Steering locking nut (lower) torque		N.m	Fasten by 50 first, turn the front fork left and right for 3 times, move backwards by 60°, then fasten by 22
Steering locking nut (middle) torque			
Steering locking nut (upper) torque		2 90	



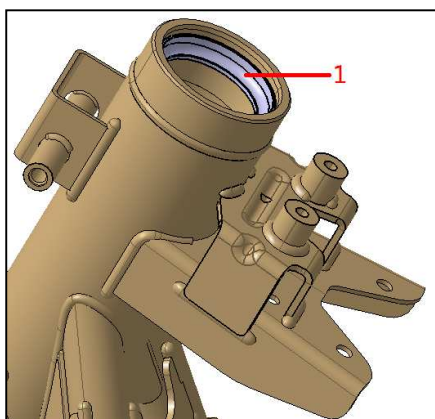
Parameters:

Torque for handle bar positioning bolt	M8	N.m	19
Torque for handle bar locking bolt	M10	N.m	60
Torque for front fender' s installation bolt	M5	N.m	4.5
Torque for fixing bolt of front wheel speed sensor	M6	N.m	8
Torque for fixing bolt of front fork	M8	N.m	19
Torque for locking bolt of front wheel axle	M12	N.m	32
Torque for locking bolt of lower pump of front disc brake	M8	N.m	32
Clearance between detector and response gear		mm	0.5-1.5

ring of front wheel			
Torque for fixing bolt of steering stem and front shock absorbers	M10	N.m	50~55

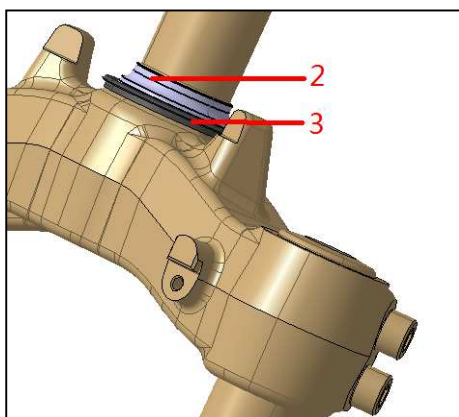
Disassembly and re-assembly for steering bearing

- ① Remove the base ring 1 of bearing in frame standing tube by the tools for it only.



- ② Remove the bearing circlip 2 on steering stem of front fork by the drawing tools for it only as pictures shows.

- ③ Remove the steering seal 3 under the bearing circlip.





- ④ Replace the steering bearing for a new one with same specification.
The re-assembly is precisely opposite to disassembly.

Caution:

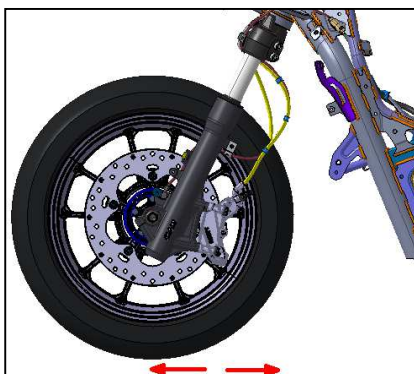
- ① Remove the steering bearing by non-standard operation is not allowed, please adopt the tools for it only, otherwise there may be a permanent damage on it.
- ② Re-assemble the bearing, oil seal and flat washer in turn when re-assembling the steering bearing.

Important:

- ① When press-fitting the steering bearing, heat it to 100°C before re-assembling for an easier press-fitting.

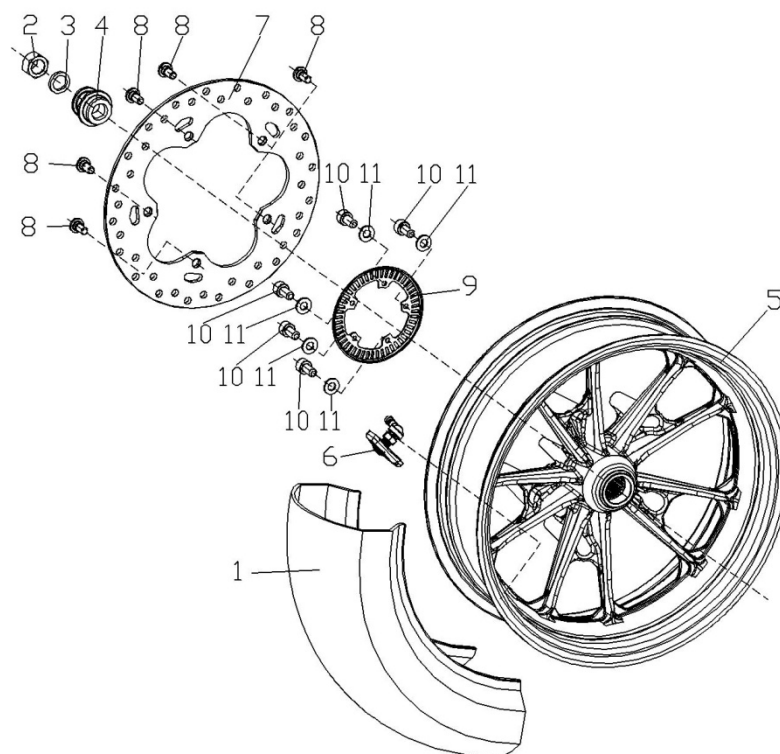
Judge the clearance for steering bearing

- ① Repeatedly operate the front brake lever under low speed to feel the flexibility of steering bearing.
- ② Keep the motorcycle upright by parking stand.
- ③ Repeatedly draw the front wheel in direction as picture shows to feel the flexibility of steering bearing.



Maintenance, disassembly and re-assembly for rear wheel set

Rear wheel and its parts

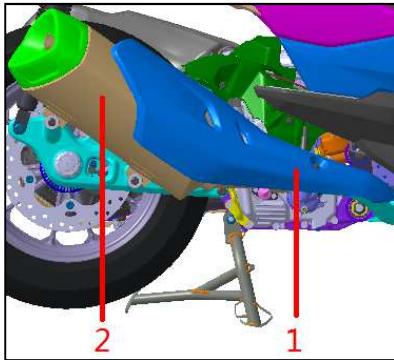


1	Rear tire 150/70/14	PCS	1
2	Metallic flange locking nut	PCS	1
3	Collar	PCS	1
4	Collar	PCS	1
5	Rear wheel	PCS	1
6	Tire pressure sensor	PCS	1
7	Rear disc brake plate	PCS	1
8	Fastening bolt for disc brake plate	PCS	5
9	Speed sensor washer	PCS	1
10	Socket hex. screw	PCS	5
11	Flat washer	PCS	5

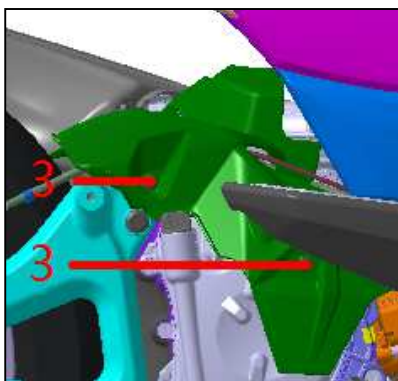
Steps for removing rear wheel

- ① Keep the motorcycle upright by parking stand.
- ② Remove the protective shield 1 and rear part 2 of muffler by referring to <Maintenance,

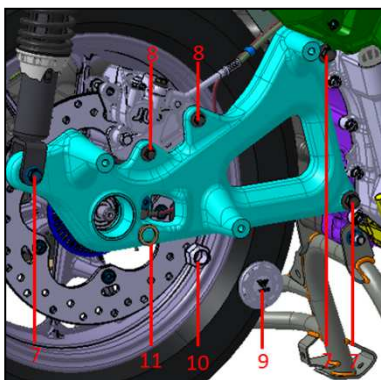
disassembly and re-assembly for air exhaust set>.



- ③ Loosen the socket hex. bolt 3 of M6 on rear lower fender.



- ④ Remove the dust proof cap 9, locking nut 10 for rear wheel axle and collar 11 in turn.
⑤ Loosen the fixing bolt 8 on lower pump of rear disc brake.
⑥ Loosen the installation bolt 7 of rear fork, then remove the rear fork and lower pump of rear disc brake.
⑦ Remove the collar between rear wheel and rear fork.
⑧ Remove the rear wheel.



The re-assembly is precisely opposite to disassembly.

Caution:

- ① Operate the upper pump of rear disc brake on left side of handle bar when the caliper of rear brake removed is not allowed, to avoid the piston moving makes difficult re-assembly latter.

Important:

- ① The dirt on working surface of brake pads and plate is not allowed when re-assembling.
- ② Repeatedly operate the upper pump of rear disc brake when replaced to confirm its normal work.
- ③ Put the rear wheel on equipment to confirm dynamic balance once again when tire re-assembled.
- ④ When re-assembling the rear wheel collar and oil seal, coat the spline shaft with lithium lubricant.

Parameters:

Rear wheel		Aluminium alloy casting	4.25"x14"
Rear tire		Diagonal tubeless tire	150/70-14
Fastening torque for bolt on rear fork	M10	N.m	38
Fastening torque for bolt on rear part of muffler	M8	N.m	21
Bolt of clamp set for rear part of muffler body		N.m	25
Fastening torque for nut on rear wheel axle	M16	N.m	115
Fastening torque for brake plate	M8	N.m	19
Lubricant grease		g	8
Max. unbalanced degree for rear wheel		g	5
Air pressure in tire		bar	2.4

Steps for removing brake plate

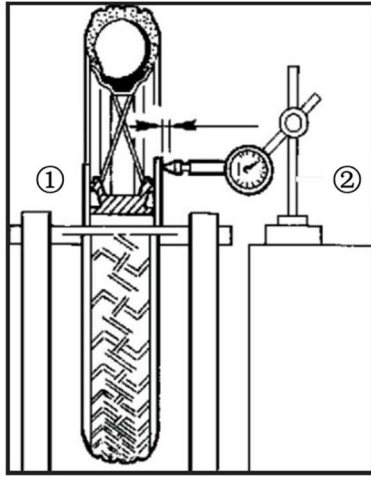
- ① Put the removed rear wheel on working bench.
 - ② Remove the fastening bolt of disc brake plate, then remove the rear brake plate and gear ring.
- The re-assembly is precisely opposite to disassembly.

Caution:

- ① There is Loctite on thread of fixing bolt on disc brake plate, please adopt the tools with correction specification, otherwise it will be difficult to be removed.

Important:

- ① There shall not be dirt on the working surface of brake pads and plate.
- ② Coat the thread of brake plate's bolt with Loctite when re-assembling the brake plate.
- ③ The side with letter faces outwards when re-assembling the brake plate.
- ④ Confirm once again the runout of end at brake plate when re-assembled as shown:
- ⑤ By balancing shaft (1) Put the rear wheel on balancing bracket.
- ⑤ By measurement gauge (2) Measure the end runout of disc brake plate.



The end runout shall not be bigger than	mm	0.3
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Steps for removing tire:

- ① Put the removed rear wheel set on the working bench.
- ② Remove the core of valve and discharge the air in tire.
- ③ Remove the rear tire by the tools for it only.
- ④ Remove the tire pressure sensor.

The re-assembly is precisely opposite to disassembly.

Caution:

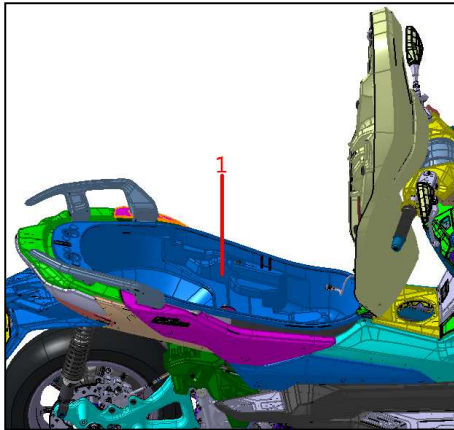
Please adopt the equipment for tire re-assembly only, the forced re-assembly may make permanent damage on tire.

Important:

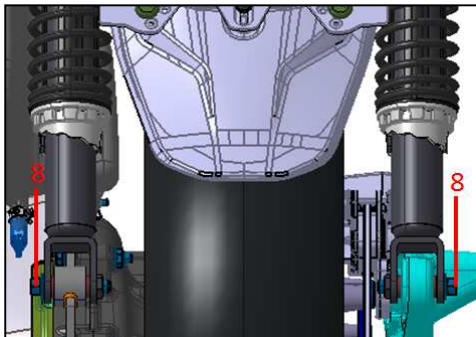
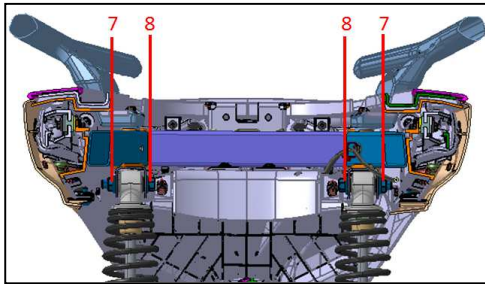
Align the light point on tire to the valve core on wheel hub when re-assembling, which is good for dynamic balance work latter.

Steps for removing rear shock absorber

- ① Keep the motorcycle upright by parking stand.
- ② Remove the luggage case 1 by referring to <Maintenance, disassembly and re-assembly for luggage case>.



- ③ Remove the installation bolt 8 and nut 7 on rear shock absorber by tools, then remove lower installation bolt 8, finally remove the rear shock absorber.



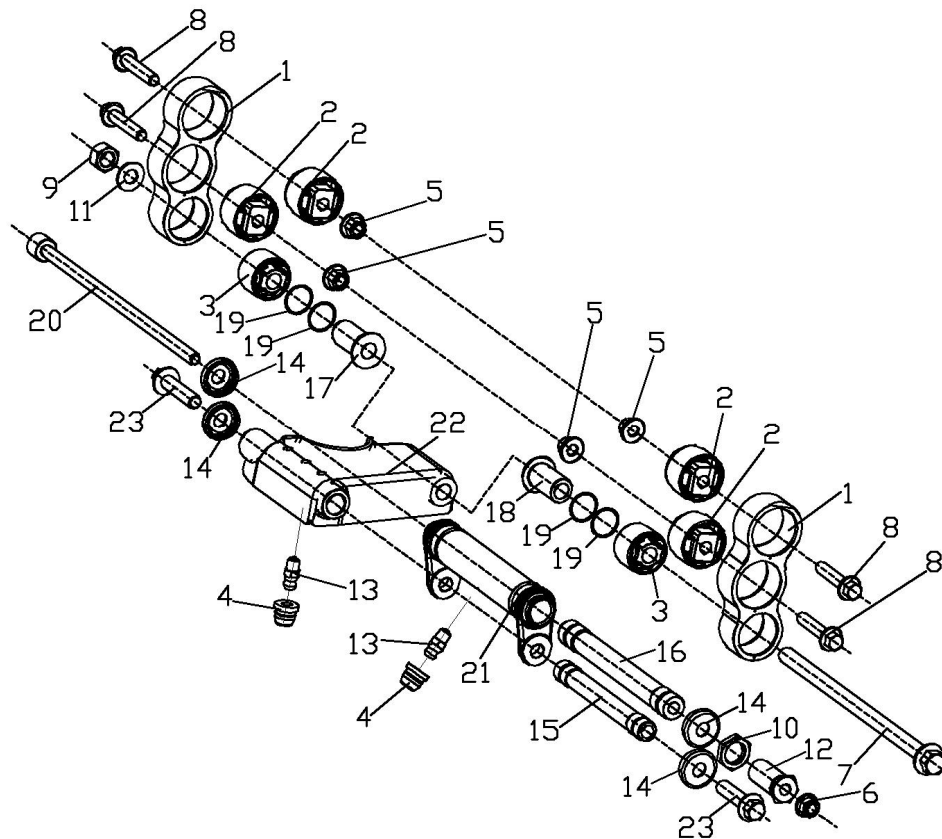
The re-assembly is precisely opposite to disassembly.

Parameters:

Upper and lower installation bolt for rear shock absorber	M10	Nm	38
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Maintenance, disassembly and re-assembly for rear swinging rack

Rear swinging rack and its parts

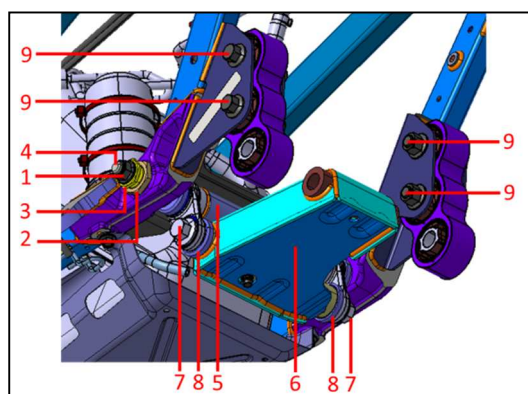


1	Damping sleeve base	PCS	2
2	Engine holder damping sleeve	PCS	4
3	Engine holder damping sleeve	PCS	2
4	Grease nozzle cap	PCS	2
5	Metallic flange locking nut	PCS	4
6	Metallic flange locking nut	PCS	1
7	Axle M16X300	PCS	1
8	Hex. flange bolt	PCS	4
9	Metallic flange locking nut	PCS	1
10	Holder locking nut M24	PCS	1
11	Flat washer	PCS	1
12	Adjustive screw sleeve	PCS	1
13	Grease nozzle AS6 with nickel alloy plated	PCS	2
14	Holder lower sealing cover	PCS	4

15	Holder front lower inner collar	PCS	1
16	Holder front upper inner collar	PCS	1
17	Right sliding bearing inner sleeve	PCS	1
18	Left sliding bearing inner sleeve	PCS	1
19	Seal ring	PCS	4
20	Axle M12X323	PCS	1
21	Engine holder front body	PCS	1
22	Engine holder body	PCS	1
23	Hex. bolt M14X60	PCS	2

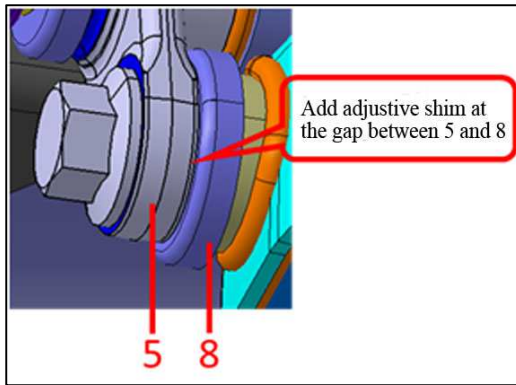
Steps for disassembly and re-assembly for rear swinging rack:

- ① Remove the engine by referring to <Maintenance, disassembly and re-assembly for engine.
 - ② Remove the installation nut 1 on front body of engine holder.
 - ③ Loosen the locking nut 2 on holder.
 - ④ Loosen the adjustive screw sleeve 3.
 - ⑤ Remove the axle 4.
 - ⑥ Remove the front body 5 of engine holder and its main body set 6.
 - ⑦ Remove the bolt 7 and lower sealing cap 8 on holder, separate the front body 5 and main body 6 of engine holder.
 - ⑧ Remove the bolt 9.
 - ⑨ Remove the damping sleeve set of engine holder.
- The re-assembly is precisely opposite to disassembly.

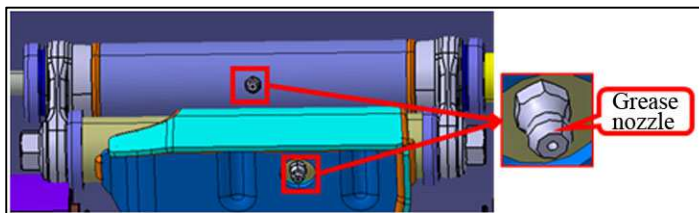


Important:

- ① The front body 5 and main body 6 of engine holder need turn freely without jamming, in case not, add the adjustive shim between front body 5 and lower sealing cap 8 of engine holder. The thickness of shim depends on the actual situation.



- ② When the front body 5 and main body 6 of engine holder re-assembled, add lithium lubricant from the grease nozzle.

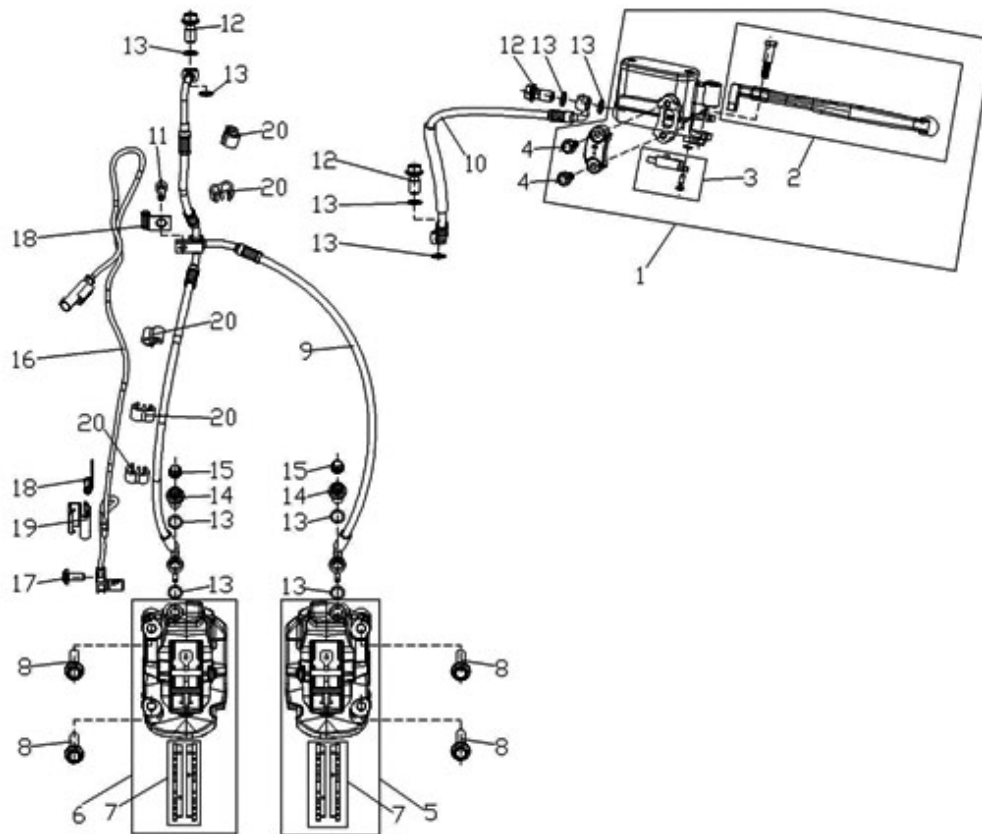


Parameters:

Installation bolt for damping sleeve base	M12	Nm	100
Adjustive screw sleeve	M24	Nm	10
Holder locking nut	M24	Nm	150
Installation bolt for front body of engine holder	M12	Nm	110
Installation bolt for main body of engine holder	M14	Nm	180
Lithium lubricant grease		g	67

Maintenance, disassembly and re-assembly for brake system

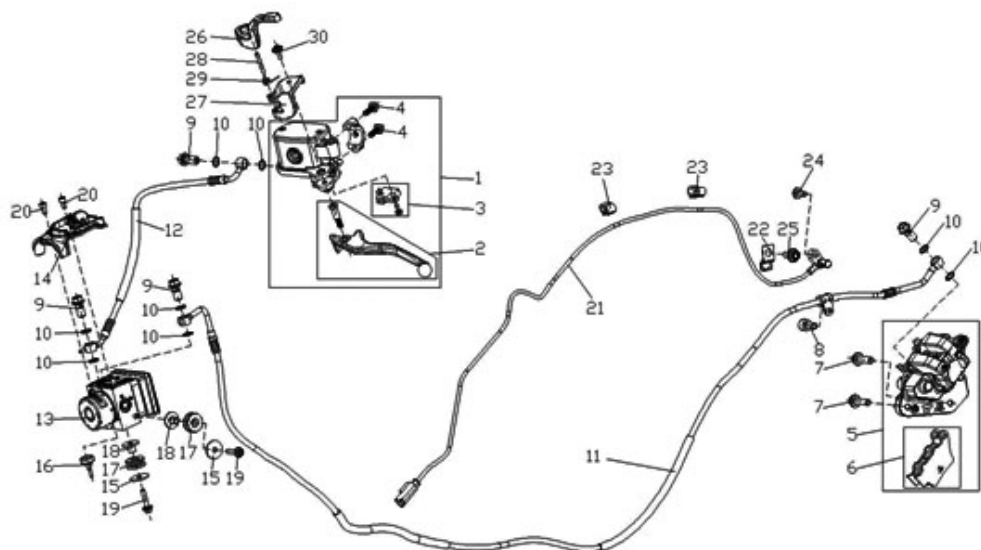
Parts in front brake system



1	Front disc brake upper pump	PCS	1
2	Right lever	PCS	1
3	Brake switch	PCS	1
4	Hex. flange bolt	PCS	2
5	Front disc brake left lower pump	PCS	1
6	Front disc brake right lower pump	PCS	1
7	Front brake pads set	PCS	2
8	Hex. flange bolt	PCS	4
9	Connecting oil tube of ABS	PCS	1
10	Connecting oil tube of ABS	PCS	1
11	Socket hex. screw	PCS	1
12	Disc brake soft hose' bolt	PCS	3
13	Flat washer	PCS	10

14	Disc brake soft hose' bolt	PCS	2
15	Grease nozzle cap	PCS	2
16	Speed sensor	PCS	1
17	Socket hex. screw	PCS	1
18	Tube clip	PCS	2
19	Wire clip	PCS	1
20	Wire clip	PCS	5

Parts in rear brake system

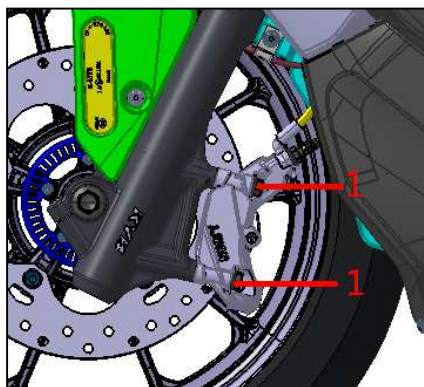


1	Rear disc brake upper pump	PCS	1
2	Left lever	PCS	1
3	Brake switch	PCS	1
4	Hex. flange bolt	PCS	2
5	Rear disc brake lower pump	PCS	1
6	Rear disc brake pads set	PCS	1
7	Hex. flange bolt	PCS	2
8	Socket hex. screw	PCS	1
9	Disc brake soft hose' bolt	PCS	4
10	Flat washer	PCS	8
11	Connecting oil tube for ABS	PCS	1
12	Connecting oil tube for ABS	PCS	1
13	Anti-lockup device of ABS	PCS	1
14	Error proof cover	PCS	1
15	Flat washer	PCS	2
16	Damping rubber sheet for main stand	PCS	1

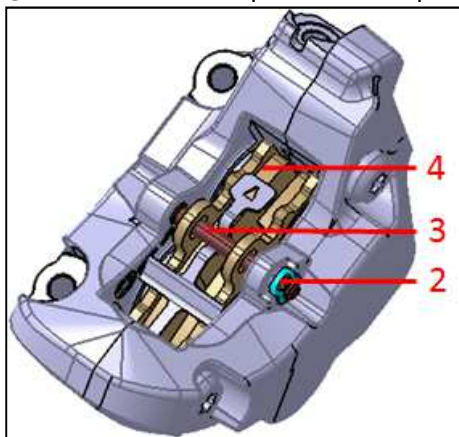
17	I-ring	PCS	2
18	Flange washer	PCS	2
19	Hex. flange bolt	PCS	2
20	Socket hex. screw	PCS	2
21	Speed sensor	PCS	1
22	Wire clip	PCS	1
23	Wire clip	PCS	2
24	Socket hex. screw	PCS	1
25	Hex. flange bolt	PCS	1
26	Parking brake hook	PCS	1
27	Installation piece for parking brake hook	PCS	1
28	Pin axis	PCS	1
29	Turning spring	PCS	1
30	Socket hex. screw	PCS	1

Steps before replacing front brake pads

- ① Keep the motorcycle upright by main stand.
- ② Remove the installation bolt 1 of lower pump on front disc brake.



- ③ Remove the brake pad 4 when clip 2 and bolt 3 removed.



- ④ Replace the brake pad for a new one.

Re-assembly is precisely opposite to disassembly.

Important:

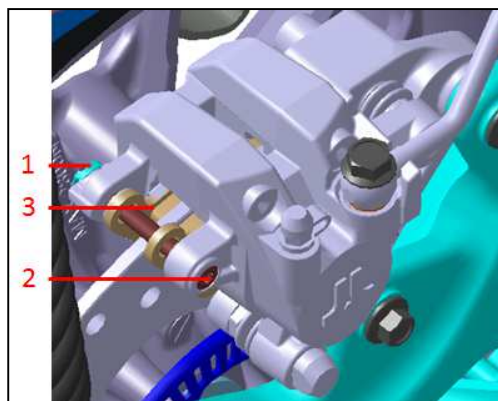
- ① When re-assembling the lower pump of front disc brake, fasten the fixing bolt 1 by torque 2N.m, the repeatedly operate the lever for front disc brake' s upper pump (Front brake lever), then tightly hold the front brake lever without releasing, then fasten the bolt 1 by torque 32N.m.
 - ② Don' t operate the lever of front disc brake' s upper pump when the brake pads removed to avoid piston moving who makes difficult re-assembly for brake pads.
 - ③ The outer and inner brake pads must be replaced together as a set.
 - ④ The dirt on the working surface of brake pads and plate is not allowed when re-assembling.
 - ⑤ Repeatedly operate the brake lever when replaced to confirm its normal work.
- Dispose the replaced front brake pads in environment friendly way.

Parameters:

Installation bolt for lower pump of front disc brake	M8	N.m	32
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Replacement for rear disc brake pads

- ① Keep the motorcycle upright by main stand.
 - ② Remove the clip 1 and bolt 2.
 - ③ Remove the rear brake pads 3.
 - ④ Replace the rear brake pads for a new set.
- The re-assembly is precisely opposite to disassembly.



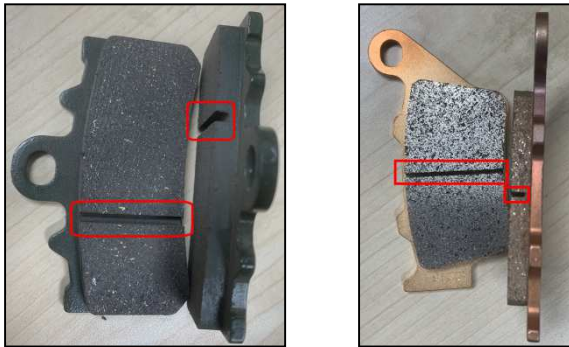
Important:

- ① Don' t forget the shim at the groove between the end surface of brake pads and rear brake caliper, re-assemble it in place.
- ② Don' t operate the lever for upper pump of rear disc brake when the brake pads removed, to avoid piston moving who makes difficult re-assembly for the brake pads.
- ③ Replace the outer and inner brake pads together as a set.

- ④ The dirt on the working surface of brake pads and plate is not allowed when re-assembling.
- ⑤ Repeatedly operate the brake lever when replaced to confirm its normal work.
- ⑥ Dispose the replaced rear brake pads in environment friendly way.

Check the abrasion for disc brake pads

There is wear-out mark (Groove) on the front and rear brake pads, in case the abrasion reached its root position, please replace the brake pads as picture shows.



Check the brake liquid level in the front and rear brake system

Keep the motorcycle upright by main stand.

Turn the grip to let the left and right brake oil cup at horizontal position.

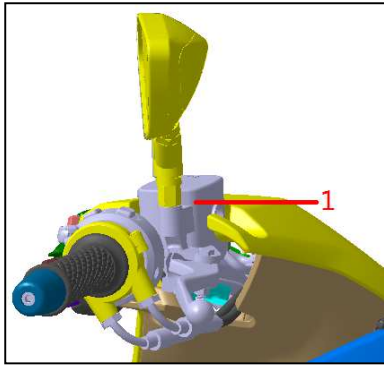
The brake liquid level in the oil cup must be between the scale mark UPPER/LOWER in both front and rear disc brake.

Caution:

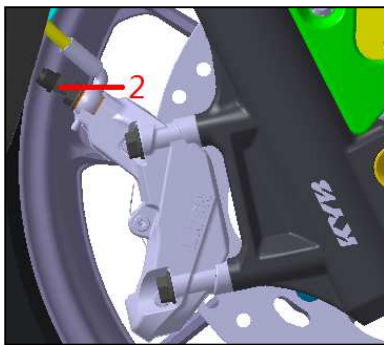
- ① The max. or min. capacity of brake liquid can both meet your demand from a new brake pad to its lower limit. Under normal situation, you needn't fill up the brake liquid due to brake pads consumption.
- ② During the brake pad consumption, in case the brake liquid level is lower than the minimum line, there may have some other faults.

Steps for replace the brake liquid in front disc brake

- ① Keep the motorcycle upright by main stand.
- ② Turn the grip to let the oil cup 1 of upper pump on right side of handle bar to reach the horizontal position.



- ③ Remove the oil cup's cover with its rubber shield by tools.
- ④ Connect the brake liquid extracting device to the air exhaust bolt 2 on the brake caliper.



- ⑤ Turn the exhaust bolt by half round to open it by tools
- ⑥ Start the extracting device to drain off the brake liquid.
- ⑦ Fill up the new brake liquid from the oil cup meanwhile starting the extracting device until the brake liquid is full of the whole brake pipeline.
- ⑧ Turn and fasten the air exhaust bolt.
- ⑨ Check the brake liquid level in oil cup is within scale marks UPPER-LOWER.
- ⑩ Connect the ABS diagnosis instrument into ABS controller to confirm if there is malfunction code, in case it is, the troubleshooting is necessary.

The re-assembly is precisely opposite to disassembly.

Replacement for rear brake liquid is the same to the front one, who corresponds the upper pump at the left side of handle bar.

Caution:

- ① When the brake liquid filled up, clean up the residual oil around air exhaust bolt on the lower caliper and oil cup.

Important:

- ① Don't let the brake liquid touch the painting parts on motorcycle because it is corrosive.

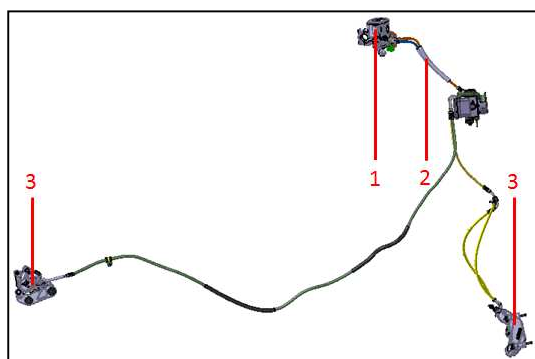
- ② When filling up the brake liquid or the extracting device is working, don't let the brake liquid level lower than the scale mark LOWER on the oil cup, otherwise the air bubbles may get into the system, under this case, the extraction need be done once again.
- ③ When filled up, lay a stable pressure on brake lever and keep for a while to check and confirm if there is leakage on brake pipeline.
- ④ In case there is problem in brake soft hose set or connection of threaded part, please replace immediately.
- ⑤ The mixture of brake liquid among different brands or specifications is not allowed.

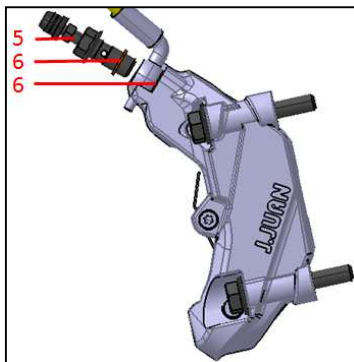
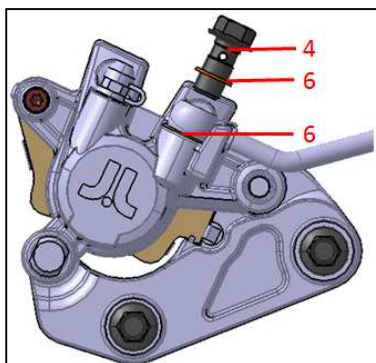
Parameters:

Torque for screw on upper pump of disc brake	Cross head screw	N.m	1.2
Torque for air exhaust bolt		N.m	6~8
Liquid capacity in brake system		L	0.14
Specification for brake liquid			DOT4

Steps for replacing the parts in front and rear brake pipeline

- ① The upper pump 1 of disc brake, oil tube 2 for ABS connection, lower pump 3 of disc brake, bolt 4 of disc brake's soft hose, bolt 5 of disc brake's soft hose (With air exhaust) and flat washer 6 are all replaceable.
- ② In case the replacement is necessary, drain off the brake liquid in the brake system first and follow the steps above.
- ③ Remove the parts need be replaced.
- ④ Replace for a new one with same specification.
- ⑤ The re-assembly is precisely opposite to disassembly.
- ⑥ Replace and fill up the brake liquid by following the steps above and finish the final inspection.





Important:

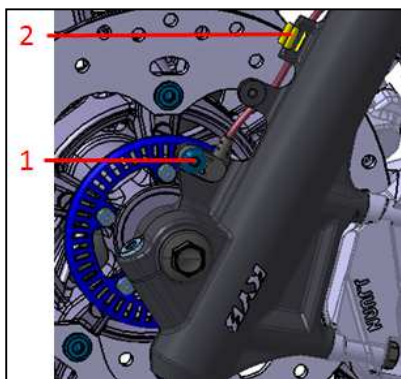
- ① Replace the flat washer (Copper) at the position of oil bolt for a new one once it removed, otherwise there will be a possibility of leakage.
- ② Every adjoining sealing surface needs a flat washer (Copper).

Parameters:

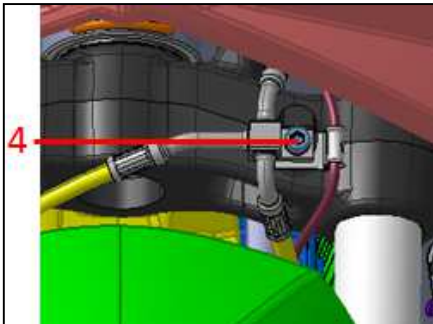
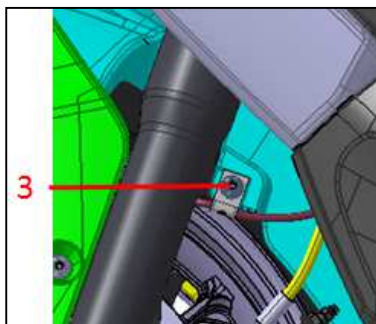
Torque for bolt of disc brake' s soft hose	M10×1	N.m	24
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Steps for removing speed sensor on front wheel

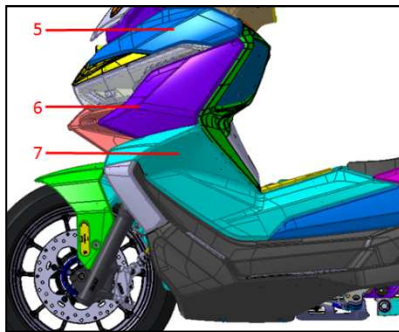
- ① Keep the motorcycle upright by its main stand.
- ② Remove the bolt 1, remove the clip 2 on the front fork.



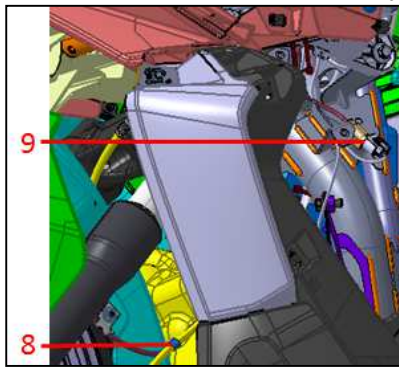
- ③ Remove the fixing bolt 3 on front fender, and bolt 4 steering stem' s base for fixing three-way joint.



- ④ Refer to the <Maintenance, disassembly and re-assembly for covering parts>, remove the left front panel 5, left front side cover 6, and left side cover 7.



- ⑤ Remove the 5 clips 8 and wire joint 9, then the speed sensor of front wheel is removeable.



The re-assembly is precisely opposite to disassembly.

Important:

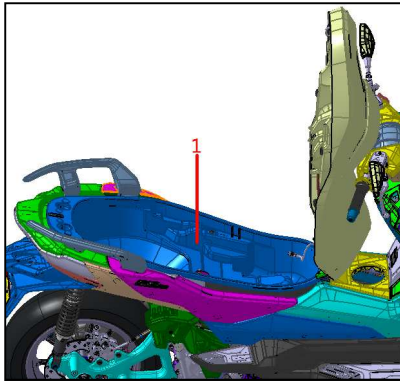
- ① When the speed sensor of front wheel re-assembled, make the front wheel suspend and turn it let it run, to check the change of clearance between speed sensor and gear ring of ABS.

Parameters:

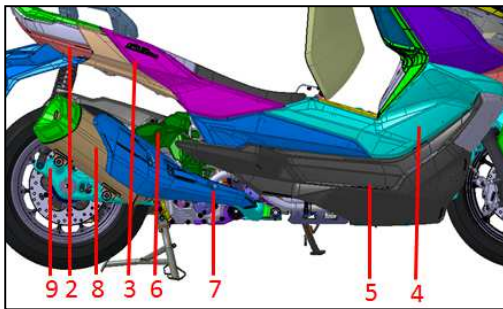
Torque of fastening bolt of sensor	Nm	8
Torque of front fork for fixing three-way joint	Nm	8
Clearance	Mm	0.8~1.5

Steps for removing speed sensor on rear wheel

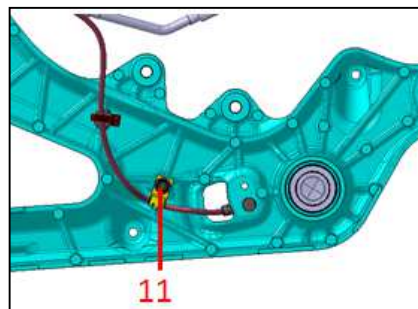
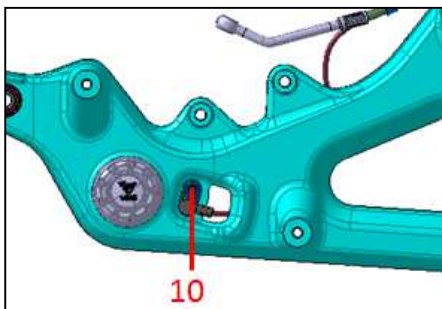
- ① Keep the motorcycle upright by its main stand.
 ② Remove the luggage case 1 by referring to <Maintenance, disassembly and re-assembly for luggage case>.



- ③ Remove the tail cover 2, right rear side cover 3 (Include its decorative piece 2), right side cover 4, right footrest pedal body 5 (Include right lower side cover), and rear fender 6 by referring to <Maintenance, disassembly and re-assembly for covering plastic parts>.
- ④ Remove the muffler protective shield 7, rear part 8 of muffler and right body 9 of rear fork by referring to <Maintenance, disassembly and re-assembly for rear wheel>.



- ⑤ Remove the bolt 10 and 11, cut off the fixing band, remove the wire joint, then the speed sensor on rear wheel is removeable.



Re-assembly is precisely opposite to disassembly.

Important:

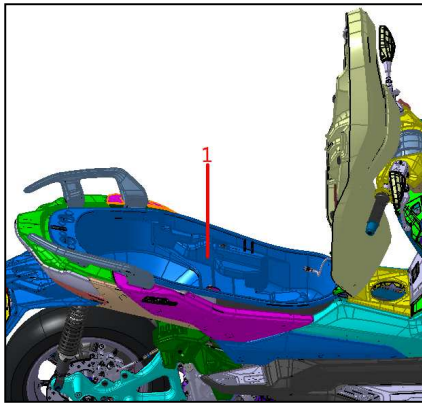
- ① When the speed sensor of rear wheel re-assembled, make the rear wheel suspend, turn it to let it run, check the change of gap between the speed sensor and gear ring of ABS.

Parameters:

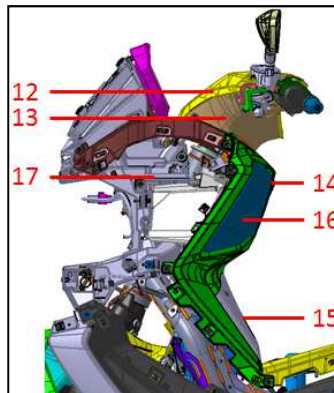
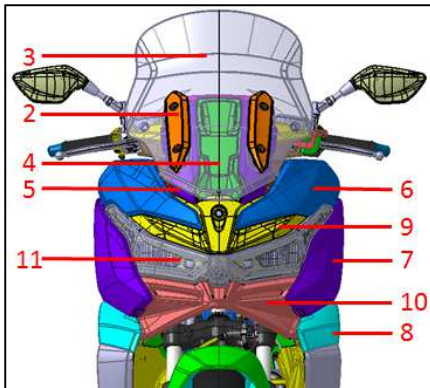
Torque for fastening bolt of sensor	Nm	8
Torque for fixing bolt of wire clip on sensor	Nm	5
Clearance	Mm	0.8~1.5

Step for removing ABS

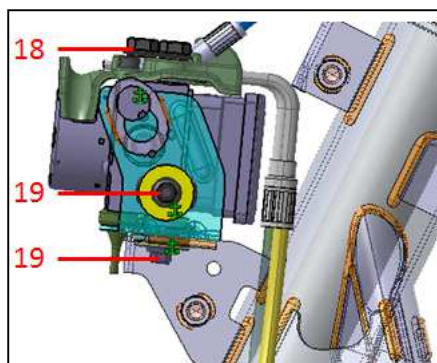
- ① Keep the motorcycle upright by its main stand.
- ② Remove the luggage case 1 by referring to <Maintenance, disassembly and re-assembly for luggage case>.



- ③ Refer to <Maintenance, disassembly and re-assembly for covering plastic parts>, remove the pressing plate 2 (Left/Right) of windshield glass, windshield glass 3, decorative cover 4 for instrument, decorative cover 5 for left/right windshield, left front/right panel 6, left/right front side cover 7, left/right side cover 8, front panel 9, grille 10 for front panel, upper protective cover 12 for handle bar, lower protective cover 13 for handle bar, hook set 14 on front luggage case, battery covering plate 15, front luggage case 16, headlight 11, front panel bracket (left/right)+lower case 17 of instrument.



- ④ Remove the bolt 18 (4 pieces) on brake oil tube of ABS, then remove the installation bolt 19 on ABS, then the ABS is removeable.



The re-assembly is precisely opposite to disassembly.

Caution:

- ① Before removing the bolt of brake oil tube on ABS, pay attention to the liquid level in oil cup on the upper pump, too low is not allowed, otherwise the air may get into the brake pipeline.
- ② When the bolt of brake pipeline on ABS was removed, pack the joint of brake pipeline by a facial tissue to avoid the brake liquid touch other parts.
- ③ During removing the covering plastic parts, please cut off the fixing band, and loosen the connectors.

Important:

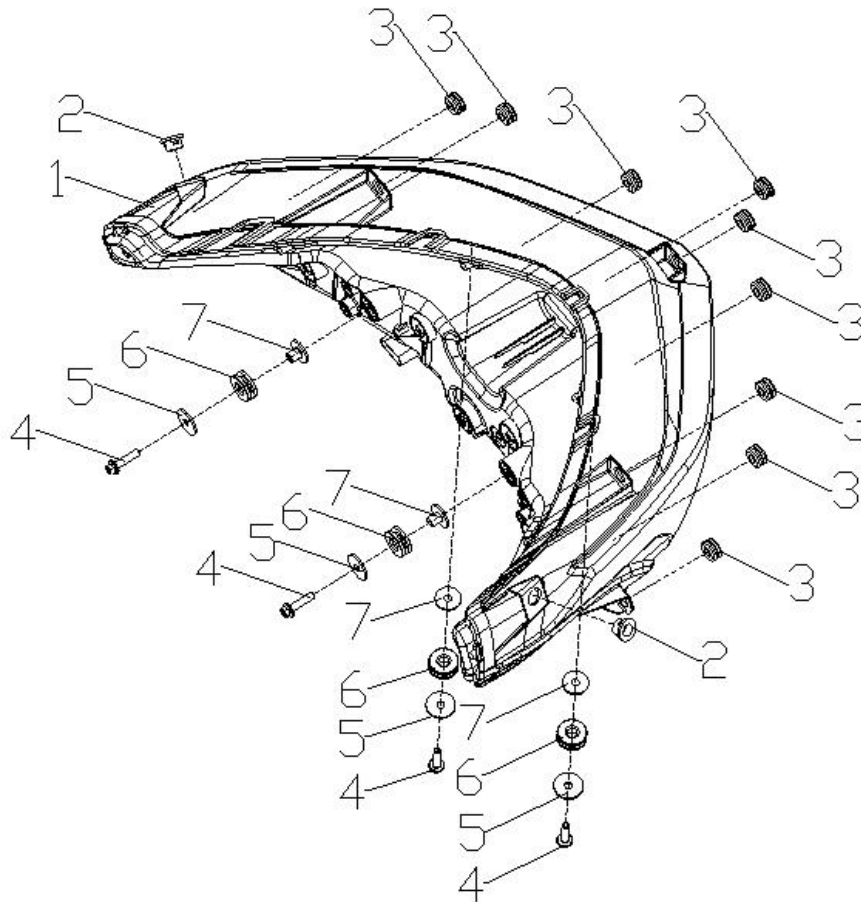
- ① Don' t let the brake liquid touch any painting parts because the brake liquid is corrosive.
- ② Replace the flat washer (Copper) at position of oil bolt for a new one when it removed, otherwise there is possibility of oil leakage.
- ③ Every adjoining sealing surface needs a flat washer (Copper).
- ④ Recover and fix the wires and connectors during re-assembling.
- ⑤ Pay attention to the brake liquid level in oil cup on upper pump of disc brake when re-assembled, repeatedly and tightly hold the brake lever to confirm the normal work.

Parameters:

Torque for fastening bolt of brake oil pipe on ABS	Nm	24
Torque for installation bolt of ABS	Nm	8

Maintenance, disassembly and re-assembly for lights

Headlight set and its parts



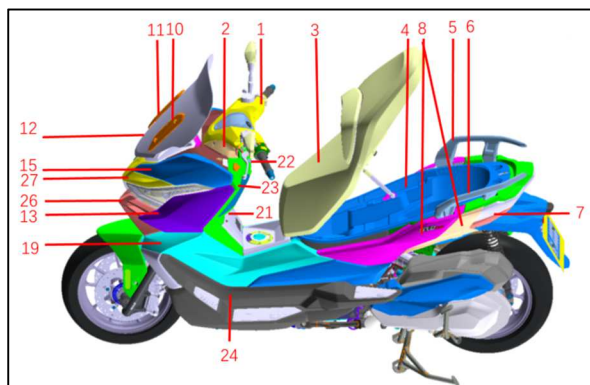
1	Headlight	PCS	1
2	Fast clip bolt' s sleeve	PCS	2
3	I-ring	PCS	9
4	Hex. flange bolt	PCS	4
5	Flat washer	PCS	4
6	I-ring	PCS	4
7	Flange washer	PCS	4

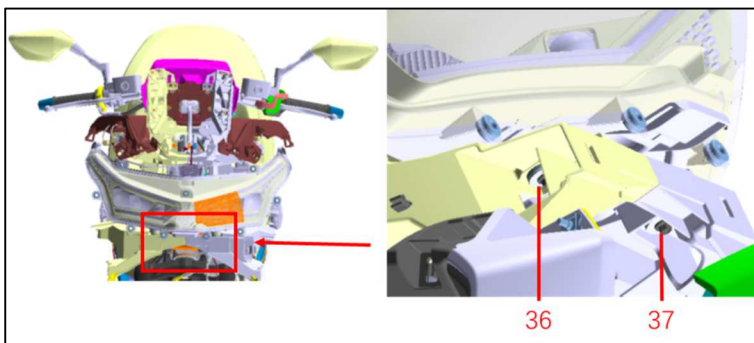
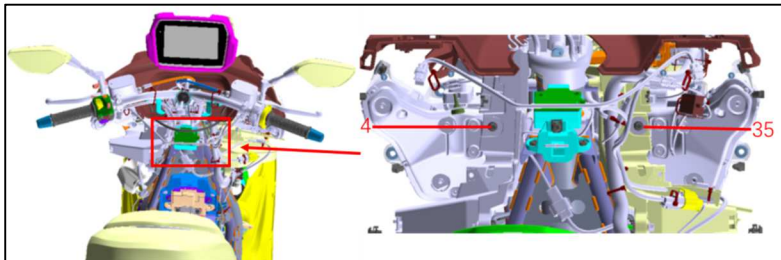
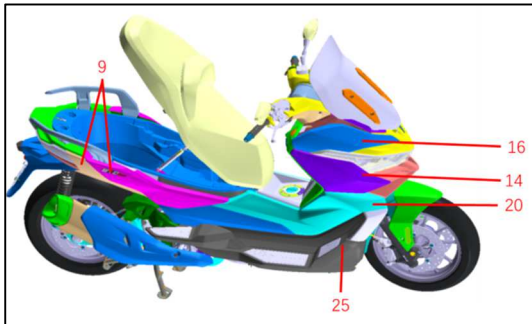
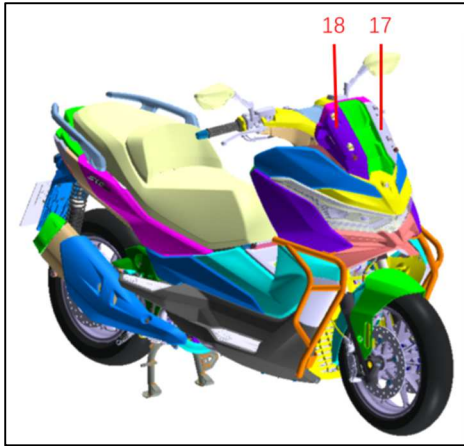
Disassembly for headlight

- ① Keep the motorcycle upright by parking stand.
- ② Open the seat 3.
- ③ Remove the upper protective cover 1 and lower protective cover 2 of handle bar by referring to <Maintenance, disassembly and re-assembly for handle bar>.
- ④ Remove the luggage case 4 by referring to <Maintenance, disassembly and re-assembly for luggage case>.
- ⑤ Remove the right armrest 5 and left armrest 6.

- ⑥ Remove the tail cover 7.
- ⑦ Remove the combined piece 8 made up of left rear side cover and tail decorative piece, and remove the combined piece 9 made up of right rear side cover and tail decorative piece 2.
- ⑧ Remove the pressing plate 10 and 11 for windshield glass.
- ⑨ Remove the windshield glass 12.
- ⑩ Remove the left front side cover 13 and the right front side cover 14.
- ⑪ Remove the left front panel 15 and right front panel 16.
- ⑫ Remove the decorative cover 17 of left windshield plate and decorative cover 18 for right windshield plate.
- ⑬ Remove the left side cover 19 and right side cover 20.
- ⑭ Remove the battery covering plate 21.
- ⑮ Remove the hook of front luggage case and installation bracket 22 for the lock' s hook.
- ⑯ Remove the middle plate 23.
- ⑰ Remove the rubber sheet 24 of footrest pedal.
- ⑱ Remove the rubber sheet 25 of main footrest pedal.
- ⑲ Remove the rubber sheet 26 of left pillion step.
- ⑳ Remove the left footrest pedal body 27.
- ㉑ Remove the rubber sheet 28 of footrest pedal.
- ㉒ Remove the rubber sheet 29 of main footrest pedal
- ㉓ Remove the rubber sheet 30 of right pillion step.
- ㉔ Remove the right footrest pedal body 31.
- ㉕ Remove the grille 32 of front panel.
- ㉖ Remove the front panel 33.
- ㉗ Loosen the bolt 34, 35, 36, 37.
- ㉘ Remove the headlight set horizontally and forwards.

The re-assembly is precisely opposite to disassembly.

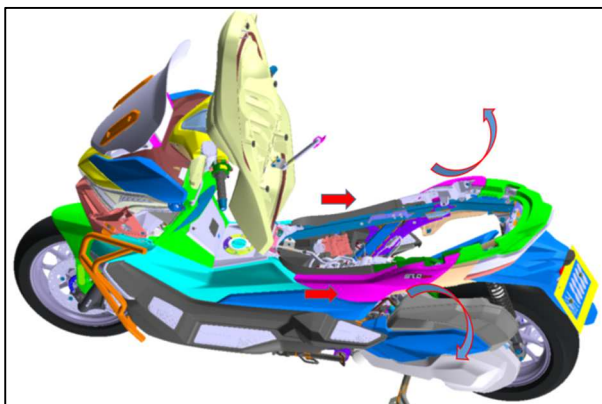




Caution:

- ① When disassembling the combined piece 8 made up of left rear side cover and tail cover' s

decorative piece and combined piece 9 made up of right rear side cover and tail cover' s decorative piece 2, drawing their rear end apart to both sides outwards, pull out the front end backwards to avoid the breaking-up on the hook at front end.

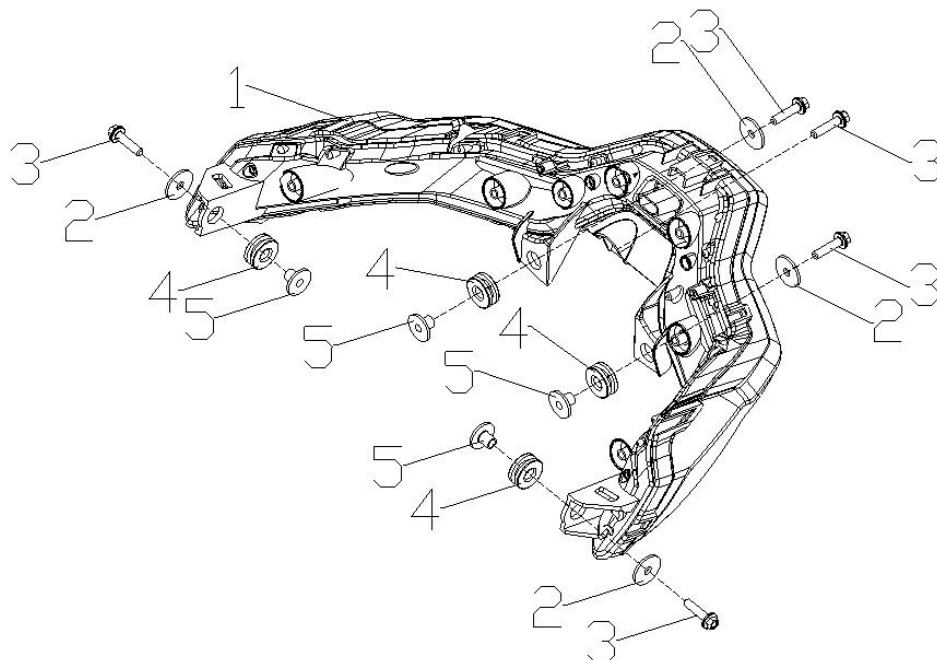


- ② When removing the left front side cover 13 and right front side cover 14, drawing their rear end apart to both sides outwards first, keep the front end steady, then draw the front end forwards to avoid the breaking-up on the hook at front end.
- ③ When removing the left front panel 15 and right front panel 16, drawing their rear end apart to both sides outwards first, keep the front end steady, then draw the front end forwards to avoid the breaking-up on the hook at front end.
- ④ Before removing the headlight, cut off the connectors between the wires of headlight and main wire harness.

Parameters:

Hex. flange bolt	M6	Nm	8
Socket hex. screw	M5	Nm	4
Cross head self-tapping screw	ST 4.2	Nm	1.2

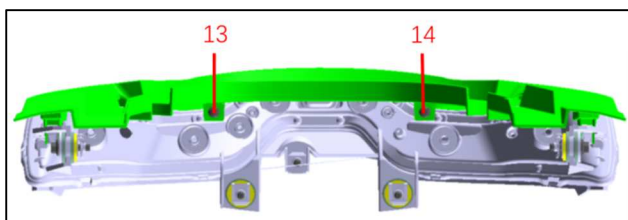
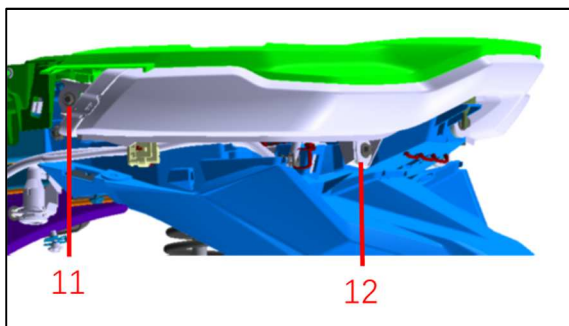
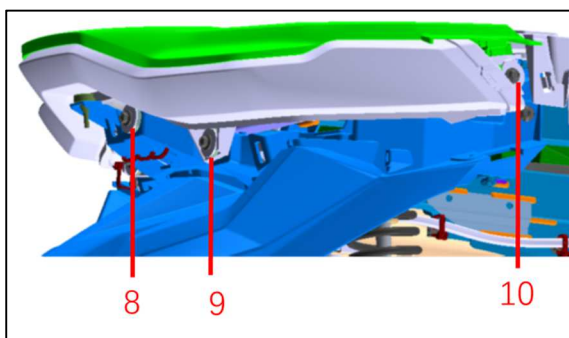
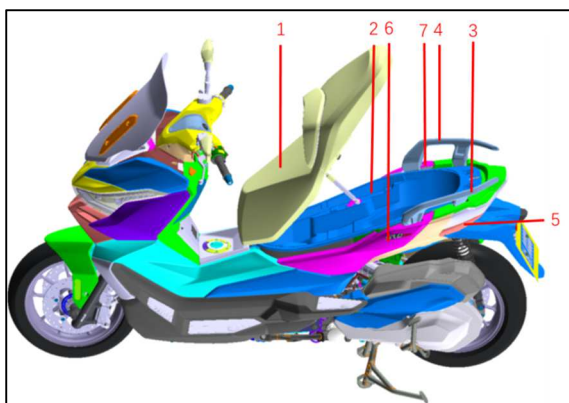
Disassembly for taillight set



1	Taillight	PCS	1
2	Flange washer	PCS	4
3	I-ring	PCS	4
4	Flat washer	PCS	4
5	Hex. flange bolt	PCS	5

Disassembly for taillight set

- ① Keep the motorcycle upright by parking stand.
- ② Remove the combined piece 6 made up of left rear side cover and tail cover' s decorative piece and combined piece 7 made up of right rear side cover and tai cover' s decorative piece 2 by referring to the corresponding steps of disassembly for headlight.
- ③ Loosen the bolt 8, 9, 10, 11, 12.
- ④ Lift up the taillight to remove it.
- ⑤ Loosen the screw 13 and 14 to remove the protective shield of taillight.
- ⑥ The re-assembly is precisely opposite to disassembly.



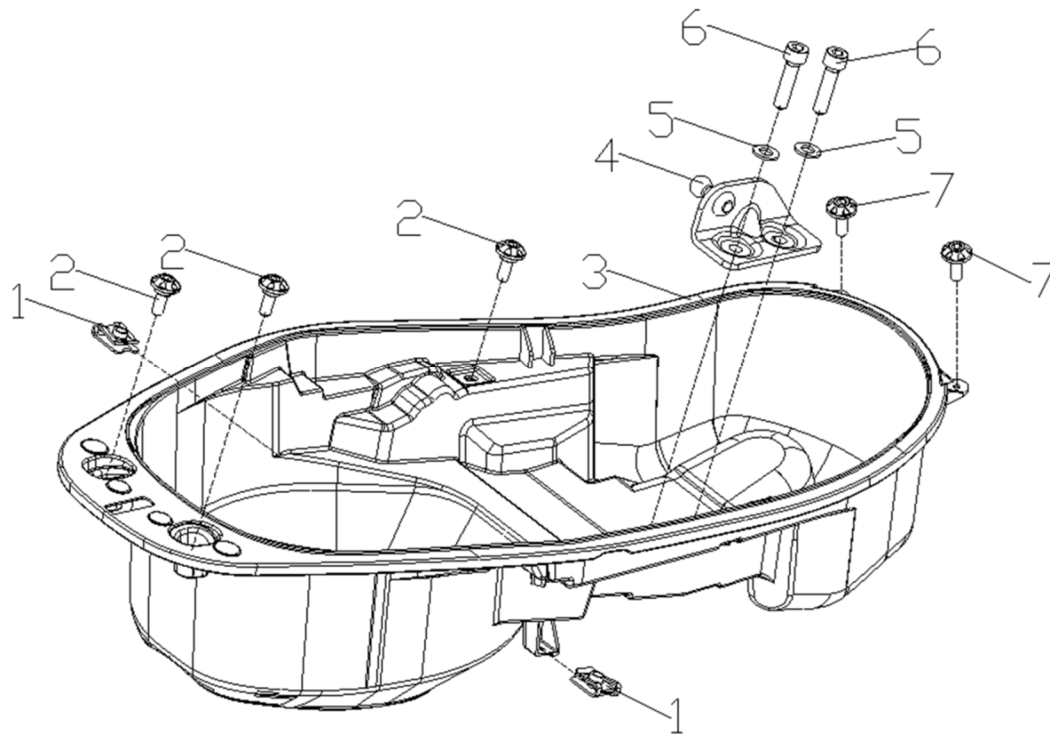
Caution:

When the taillight removed, please cut off the connectors between wires of taillight and main wire harness.

Hex. flange bolt	M6	Nm	8
Cross head self-tapping screw	ST 4.2	Nm	1.2
Socket hex. screw	M5	Nm	4

Maintenance, disassembly and re-assembly for luggage case

Luggage case and its parts

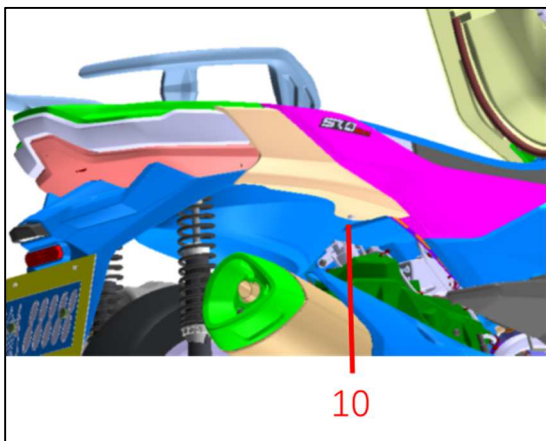
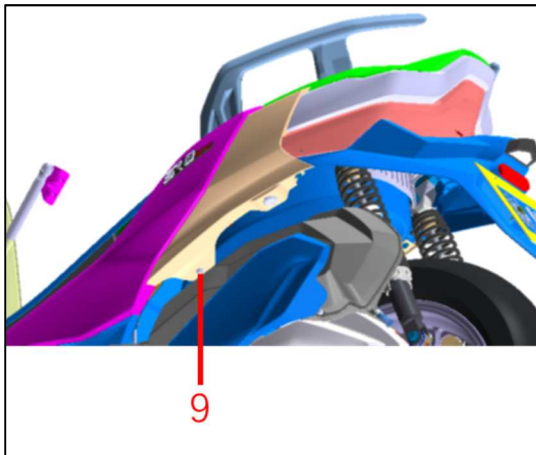
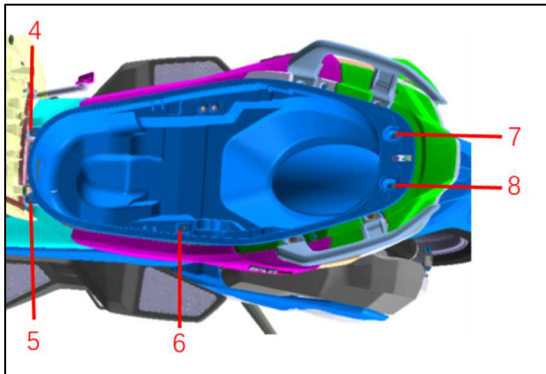
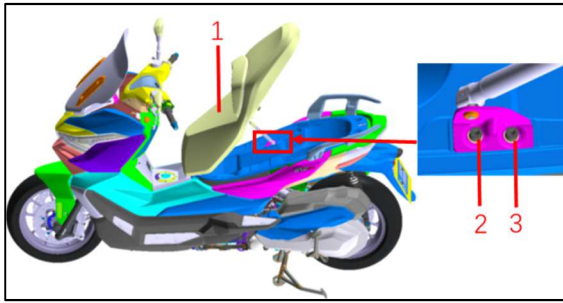


1	Clipping nut	PCS	2
2	Socket hex. Screw	PCS	3
3	Luggage case	PCS	1
4	Pneumatic support lug	PCS	1
5	Flat washer	PCS	2
6	Socket hex. Screw	PCS	2
7	Socket hex. Screw	PCS	2

Steps for disassembly of luggage case:

- ① Keep the motorcycle upright by parking stand.
- ② Open the seat 1.
- ③ Loosen the socket hex. screw 2 and 3.
- ④ Loosen the socket hex. screw 4, 5, 6, 7, 8, 9, 10.
- ⑤ Remove the luggage case.

The re-assembly is precisely opposite to disassembly.



Caution:

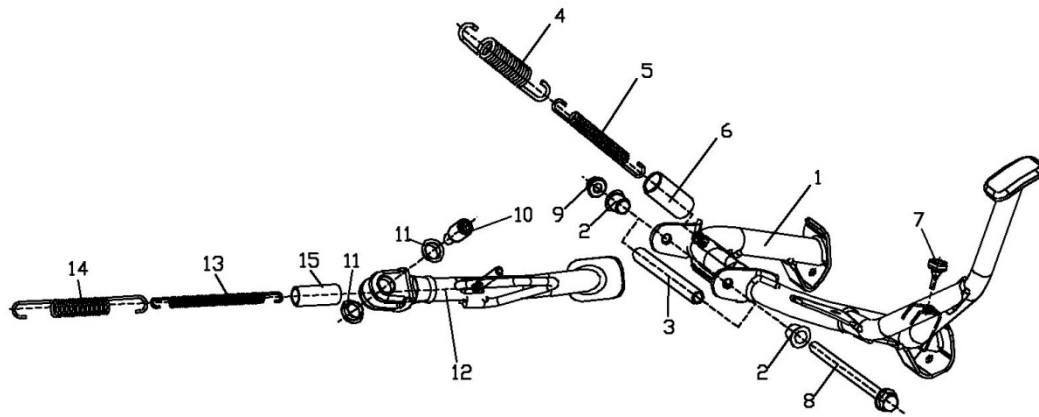
Take protection for seat before loosening the socket hex. screw 2 and 3 to prevent the seat fall off. When the socket hex. screw 2 and 3 removed, please completely open the seat and contact the handle bar, then fix the seat to prevent falling off. Fix the pneumatic support to prevent its moving and damage other parts.

Parameters:

Socket hex. screw (2, 3)	M6	N.m	8
Socket hex. screw (4, 5)	M5	N.m	4
Socket hex. screw (6, 7, 8)	M5	N.m	4.5

Maintenance, disassembly and re-assembly for main and side stands

Side, main stands and their parts

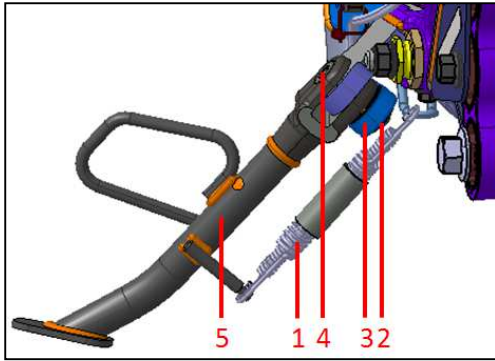


1	Main stand	PCS	1
2	Sliding collar	PCS	2
3	Collar	PCS	1
4	Drawing spring	PCS	1
5	Drawing spring	PCS	1
6	Rubber jacket	PCS	1
7	Main stand' s damping rubber sheet	PCS	1
8	Axle M10X150	PCS	1
9	Metallic flange hex. Nut	PCS	1
10	Threaded and socket hex. shoulder bolt	PCS	1
11	Collar	PCS	2
12	Side stand	PCS	1
13	Drawing spring	PCS	1
14	Drawing spring	PCS	1
15	Rubber jacket	PCS	1

Steps for disassembly and re-assembly of side stand

- ① Keep the motorcycle upright by main stand.
- ② Remove the drawing spring 1 of side stand by tools.
- ③ Remove the kill switch 3 of side stand after removed its fixing bolt 2.
- ④ Remove the fastening shoulder bolt 4 of side stand.
- ⑤ Remove the side stand.

The re-assembly is precisely opposite to disassembly.



Important:

- ① Please coat the position needs press-fitting with lithium lubricant grease at collar on frame when re-assembling the side stand to prevent the bolt get loose and falling off, which may lead to the kill switch failure.

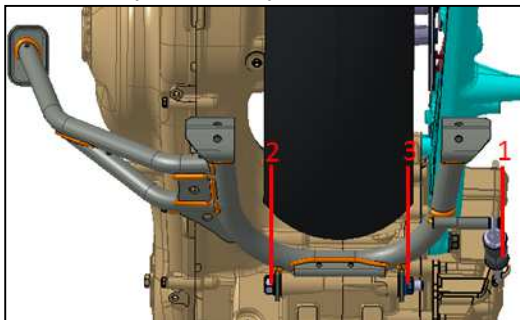
Parameters:

Fastening torque for shoulder bolt on side stand	M10	N. m	41
Fastening torque for kill switch of side stand	M6	N. m	8
Lithium lubricant grease		g	0.5

Steps for disassembly and re-assembly for main stand

- ① Keep the motorcycle upright by side stand.
- ② Remove the drawing spring 1 of main stand by tools.
- ③ Remove the main stand when its axle 2 and fixing nut 3 removed.
- ④ Remove the long collar installed in engine.

Re-assembly is precisely opposite to disassembly.



Important:

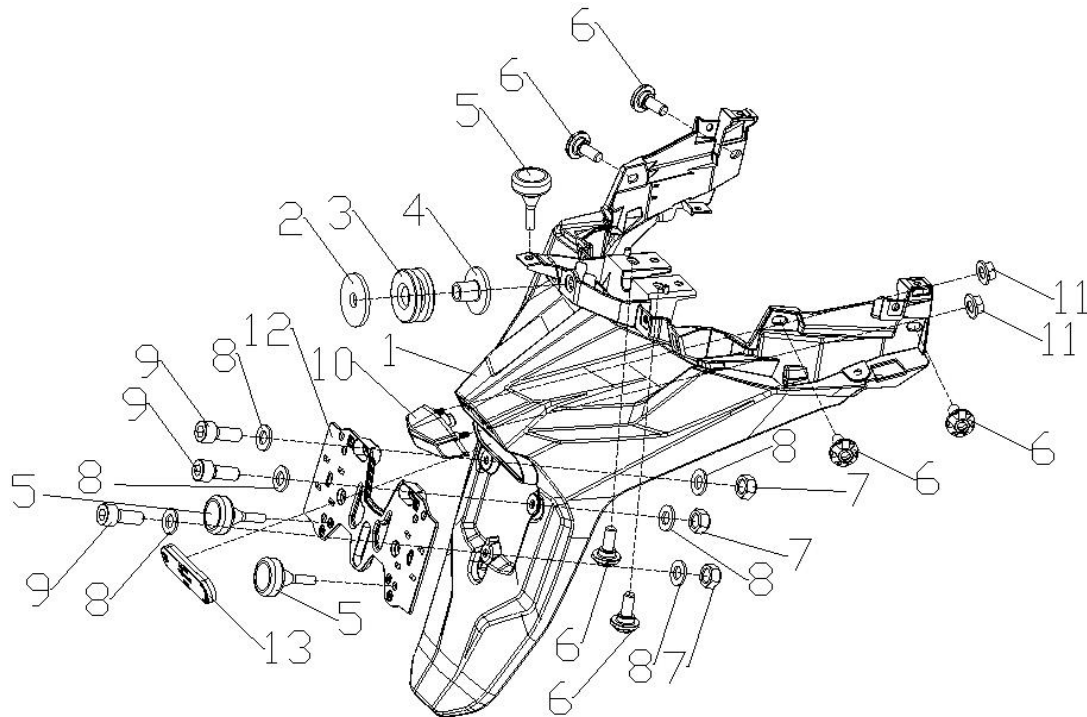
- ① When re-assembling the main stand, please check the wear-out of the sliding collar installed in engine first, in case there is wear-out, please remove it and replace, the long collar installed in engine needs be coated it surface with lithium lubricant grease.

Parameters:

Fastening nut for axle of main stand.	M10	N. m	38
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Maintenance, disassembly and re-assembly for upper rear fender

Upper rear fender and its parts

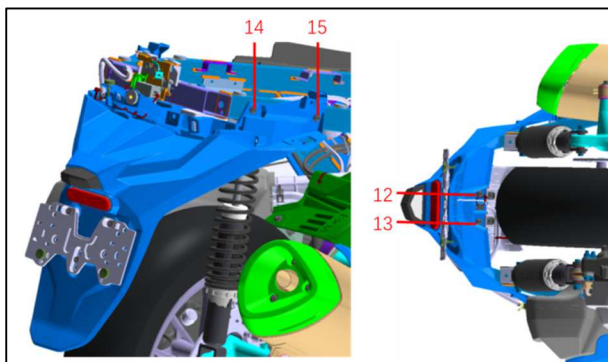
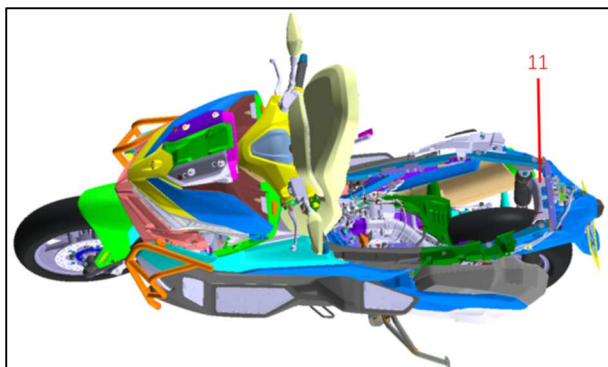
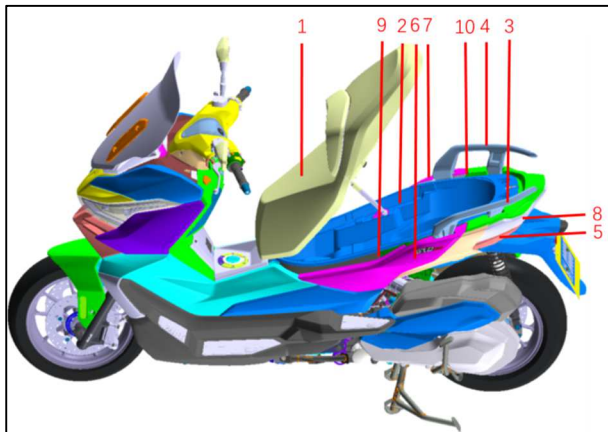


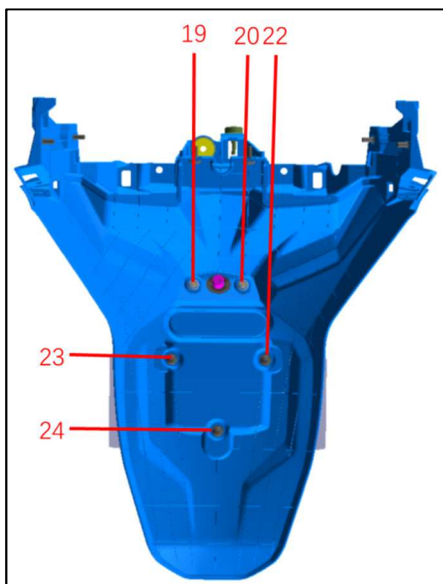
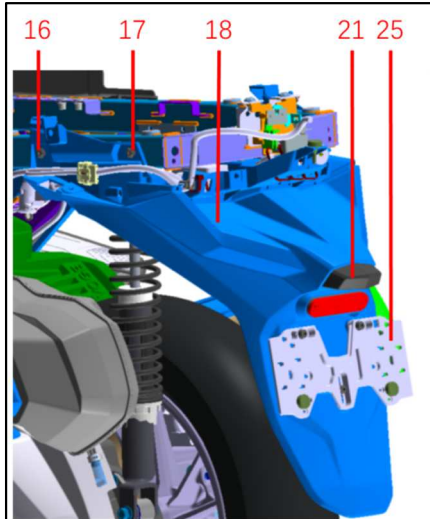
1	Upper rear fender	PCS	1
2	Flat washer	PCS	1
3	I-ring	PCS	1
4	Flange washer	PCS	1
5	Damping rubber sheet of main stand	PCS	3
6	Socket hex. screw	PCS	6
7	Metallic hex. locking nut	PCS	3
8	Flat washer	PCS	6
9	Socket hex. screw	PCS	3
10	Rear registration plate light	PCS	1
11	Hex. flange nut	PCS	2
12	Rear registration plate's bracket	PCS	1
13	Rear reflector (Red)	PCS	1

Disassembly for upper rear fender

- ① Keep the motorcycle upright by parking stand.
- ② Remove the taillight set 8 by referring the corresponding chapter in <Maintenance, disassembly and re-assembly for lights>.
- ③ Remove the tail cover left connecting piece 9 and right piece 10.

- ④ Remove the eaves board 11 of rear fender.
 - ⑤ Loosen the socket hex. screw 12, 13, 14, 15, 16, 17.
 - ⑥ Remove the upper rear fender 18.
 - ⑦ Loosen the hex. flange nut 19 and 20.
 - ⑧ Remove the rear registration light 21.
 - ⑨ Loosen the socket hex. screw 22, 23, 24.
 - ⑩ Remove the registration plate's bracket 25.
- The re-assembly is precisely opposite to disassembly.





Caution:

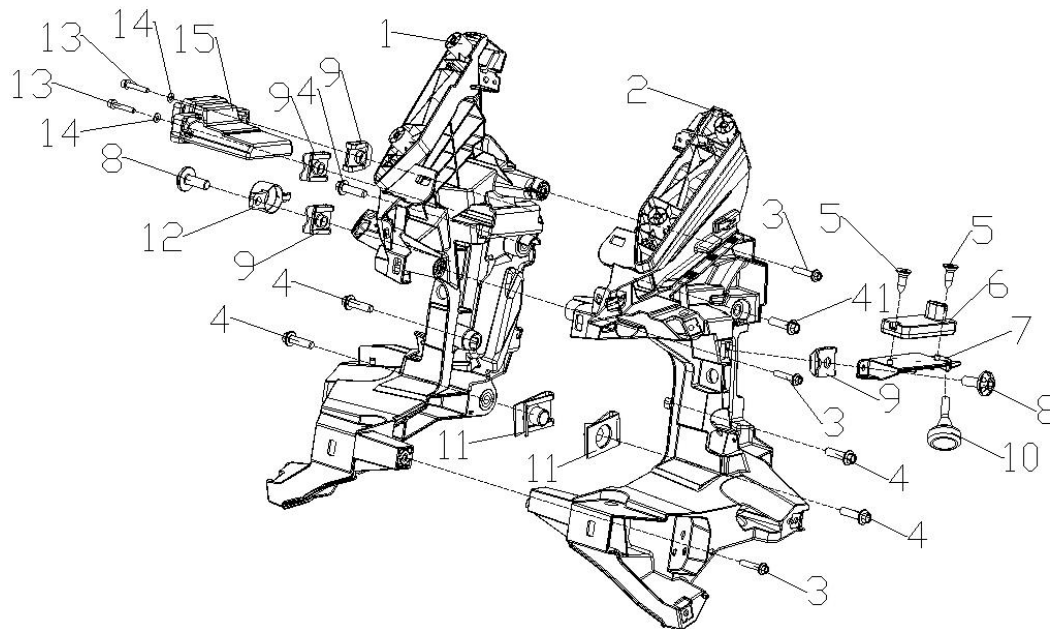
Because there are too many connectors installed on the upper rear fender, so please install them in place when re-assembling, please don't press the pipeline or get them bent.

Parameters:

Socket hex. screw	M6	N.m	4.5
Hex. flange nut	M5	N.m	2
Socket hex. screw	M6	N.m	4.5

Maintenance, disassembly and re-assembly for front panel' s bracket

Front panel' s bracket and its parts



1	Front panel' s left bracket	PCS	1
2	Front panel' s right bracket	PCS	1
3	Hex. flange bolt	PCS	3
4	Hex. flange bolt	PCS	6
5	Cross head self-tapping screw	PCS	2
6	On-board T-BOX	PCS	1
7	Holder base	PCS	1
8	Socket hex. screw	PCS	2
9	Clipping nut	PCS	4
10	Main stand' s damping rubber sheet	PCS	1
11	Clipping nut	PCS	2
12	Buzzer	PCS	1
13	Socket hex. screw	PCS	2
14	Flat washer	PCS	2
15	BCM controller	PCS	1

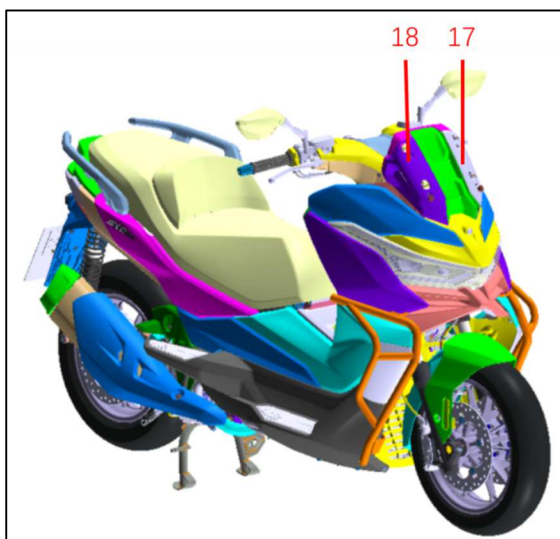
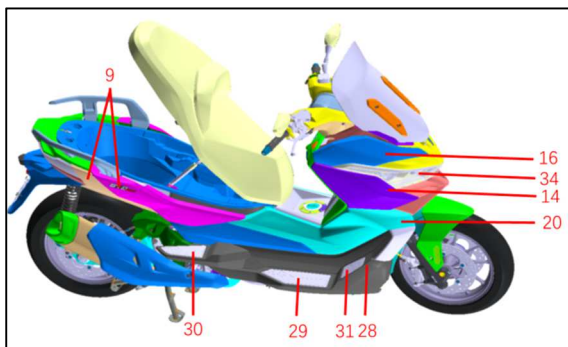
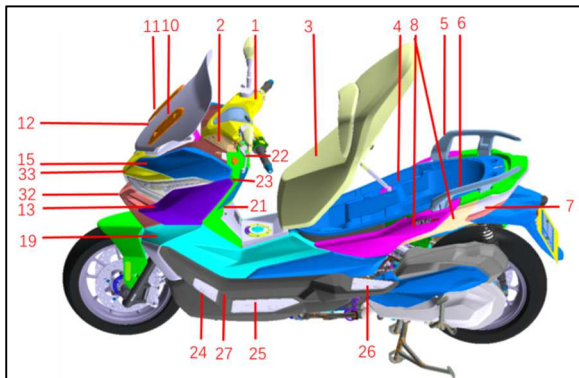
Disassembly for front panel' s bracket

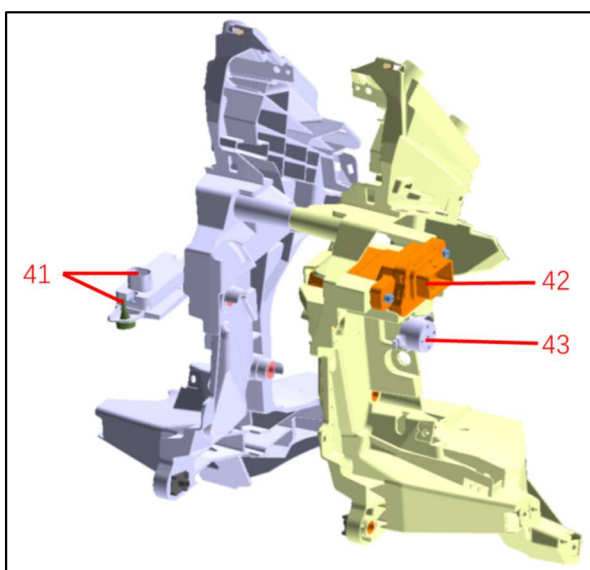
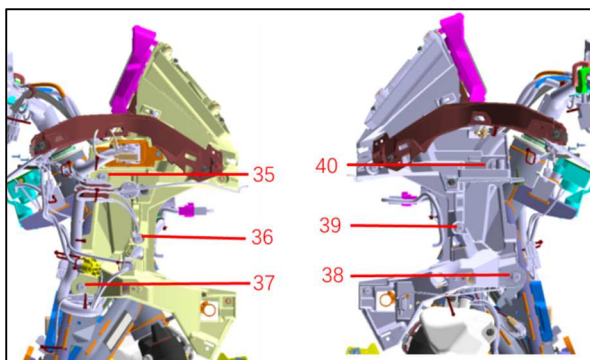
- ① Keep the motorcycle upright by parking stand.
- ② Remove the headlight 34 by referring to steps in <Disassembly and re-assembly for

headlight>.

- ③ Loosen the hex. flange bolts 35, 36, 37, 38, 39, 40 on the left and right side of front panel' s bracket.
- ④ Lift up the front panel' s bracket and remove it upwards along the direction of ABS controller.
- ⑤ Remove the combined piece 41 made up of the on-board T_BOX and damping rubber sheet of main stand.
- ⑥ Remove the controller 42 of BCM.
- ⑦ Remove the buzzer 43.

The re-assembly is precisely opposite to disassembly.





Caution:

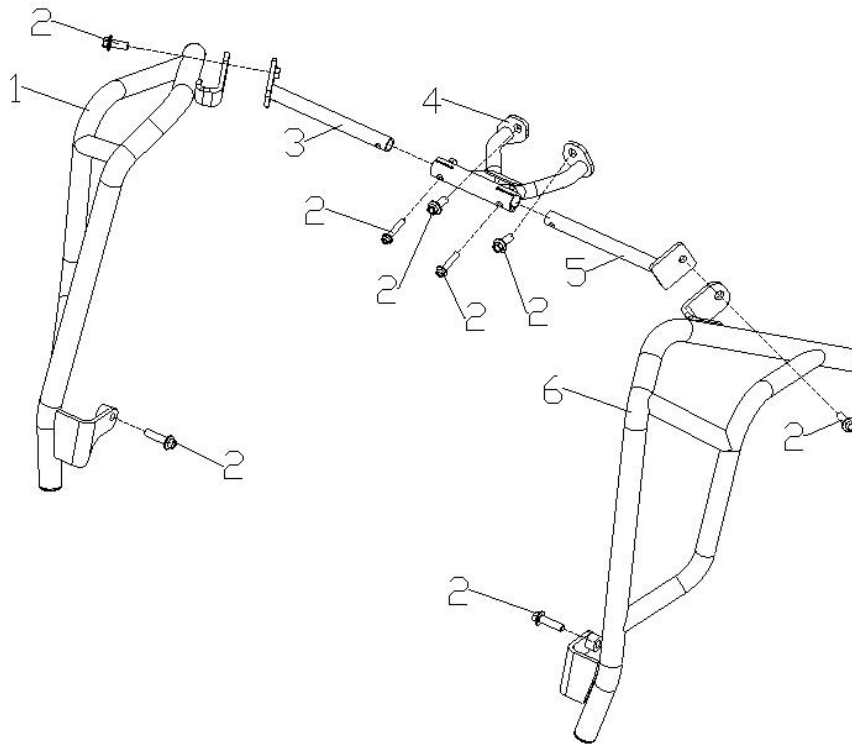
Before removing the front panel's bracket, cut off the binding band on the bracket for fixing the wires, the cut off the connectors of BCM controller on the bracket, buzzer, and on-board T-BOX to main wire harness.

Parameters:

Hex. flange bolt	M8	N.m	19
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Maintenance, disassembly and re-assembly for bumper bar

Bumper bar and its parts



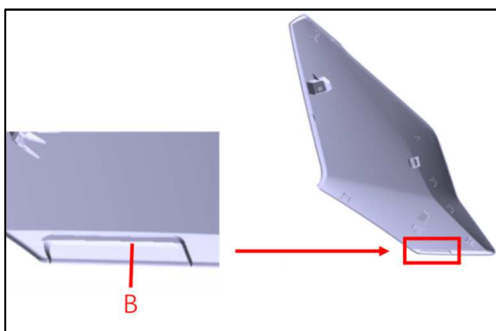
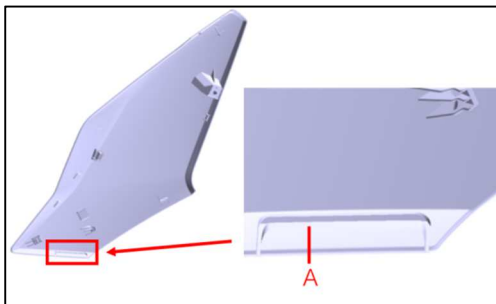
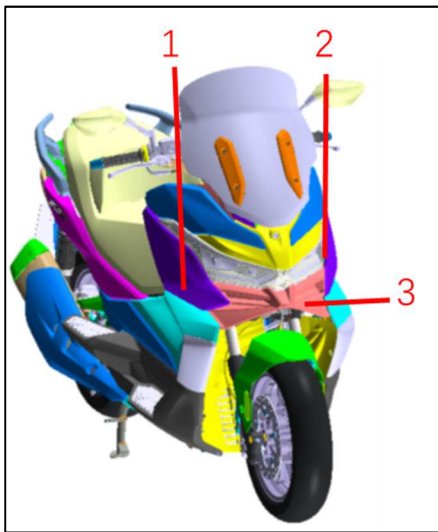
1	Left bumper bar body	PCS	1
2	Hex. flange bolt	PCS	8
3	Upper installation piece of bumper bar	PCS	1
4	Connecting bracket of bumper bar	PCS	1
5	Upper installation piece of bumper bar	PCS	
6	Right bumper bar body	PCS	1

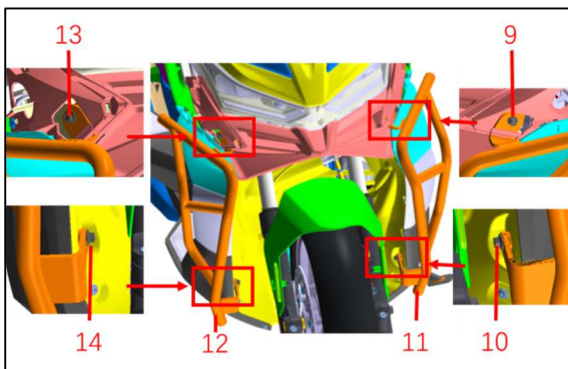
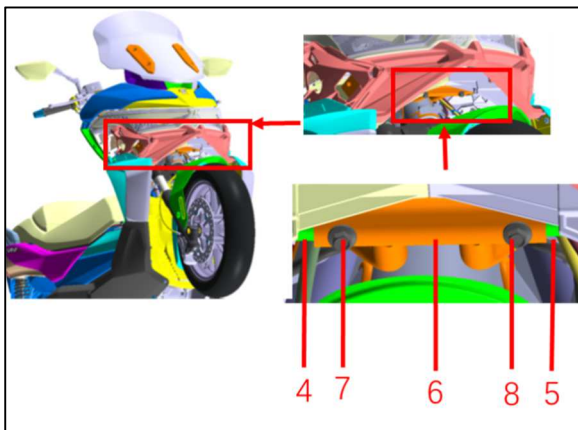
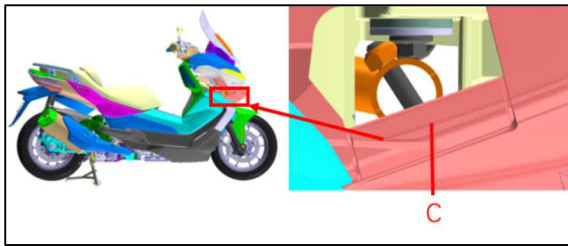
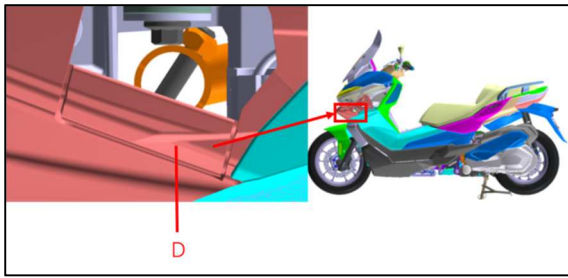
Steps for the first installation for bumper bar:

- ① Keep the motorcycle upright by parking stand.
- ② Remove the left front side cover 1, and get rid of its thinner piece A around it by tools along the thinner area.
- ③ Remove the right front side cover 2, and get rid of its thinner piece B around it by tools along the thinner area.
- ④ Get rid of the thinner piece C and D by tools along the thinner area around the both side under grille 3 of front panel.
- ⑤ Get the upper installation piece 4 and 5 of bumper bar through the hole of cutting off in step above on the both sides of grille 3 on front panel, then get through the connecting bracket

6 of bumper bar.

- ⑥ Fasten the hex. flange bolt 7 and 8.
- ⑦ Put the left bumper bar' s body 11 in from the left side of motorcycle, then align the upper and lower threaded hole, and fasten the hex. flange bolt 9 and 10.
- ⑧ Put the right bumper bar' s body 12 in from the right side of motorcycle, then align the upper and lower threaded hole, and fasten the hex. flange bolt 13 and 14.
- ⑨ The disassembly is precisely opposite to the first assembly.
- ⑩ The re-assembly is completely same to the first assembly.





Caution:

- ① When getting rid of the small piece at left front side cover 1, right front side cover 2 and grille

3 of front panel, please adopt the tools such as blade or cutting pliers, to avoid damage other place when cutting off.

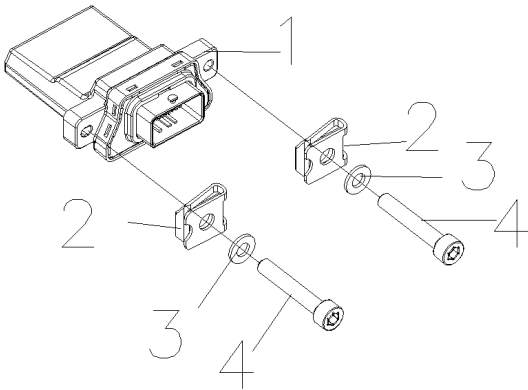
② There is not steps ②,③,④ in disassembly and re-assembly.

Parameters:

Hex. flange bolt (7, 8)	M8	N.m	8
Hex. flange bolt (9, 13)	M8	N.m	19
Hex. flange bolt (10, 14)	M8	N.m	19

Maintenance, disassembly and re-assembly for BCM controller

BCM controller and its parts



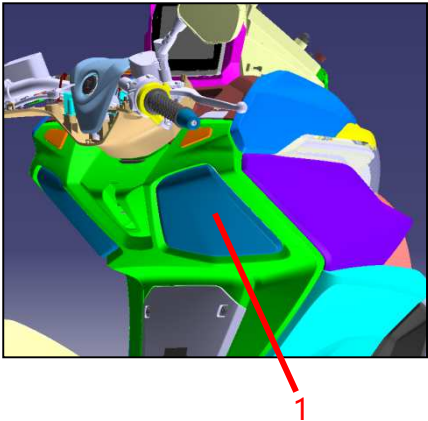
1	BCM controller	PCS	1
3	Clipping nut	PCS	2
3	Flat washer	PCS	2
4	Socket hex. screw	PCS	2

Parameters

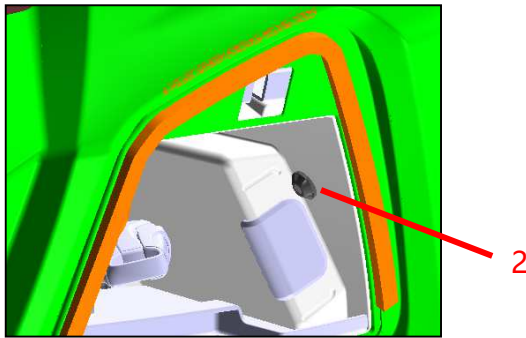
Fastening torque of bolt on BCM controller	M5	Nm	2
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Disassembly and re-assembly for BCM controller.

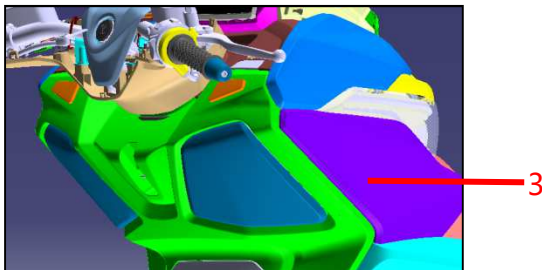
① Open the luggage case cover on the right front.



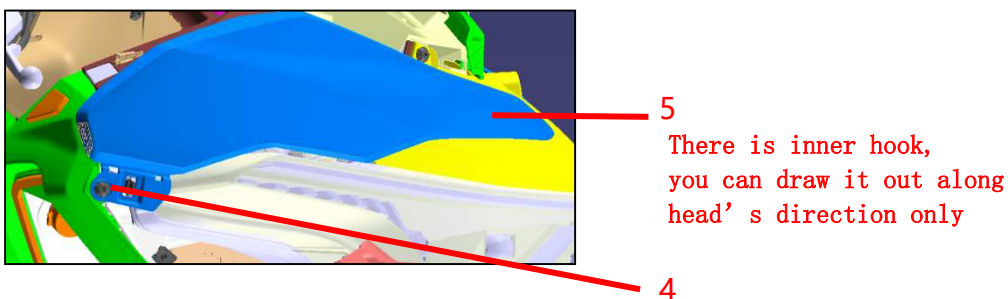
②Remove the bolt 2 on the right wall on the right glove case.



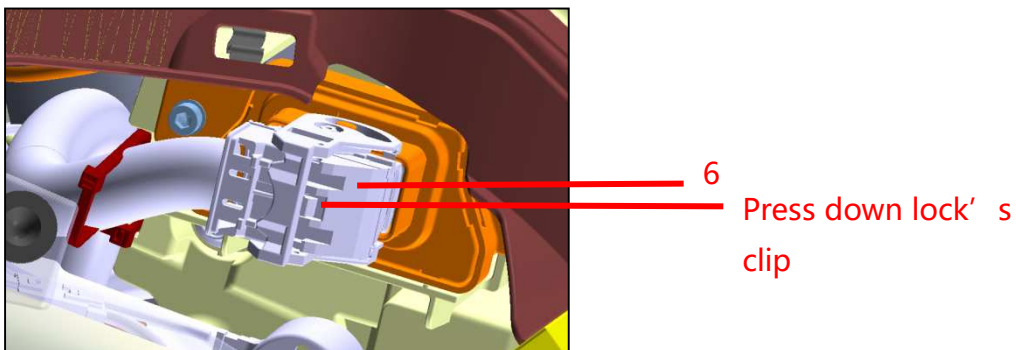
③Press on the left side cover, loosen the right front side cover 3 by put it outwards, then remove the cover 3 along the direction of motorcycle' s head.



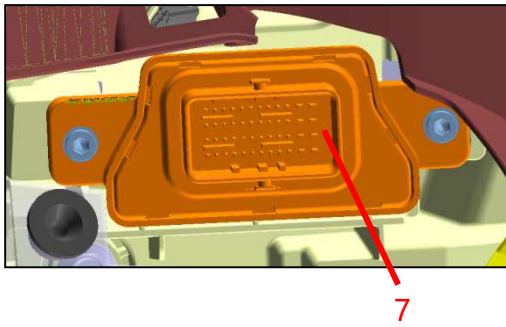
④Remove the bolt 4, put outwards the right front panel 5 at the position of bolt 4, then move out the panel 5 along the direction of head.



⑤ Press down the clock' s clip, then break the clip to right side by 90 ° and remove the connector.



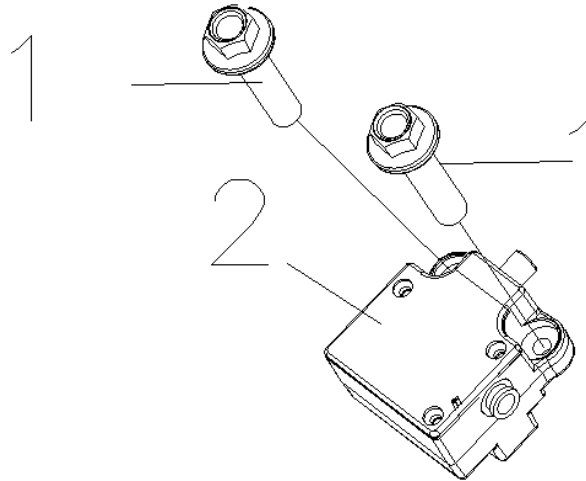
⑥ Draw the BCM controller out when remove the 2 pcs of bolt 7.



The re-assembly is precisely opposite to disassembly.

Maintenance, disassembly and re-assembly for head lock

Head lock set and its parts



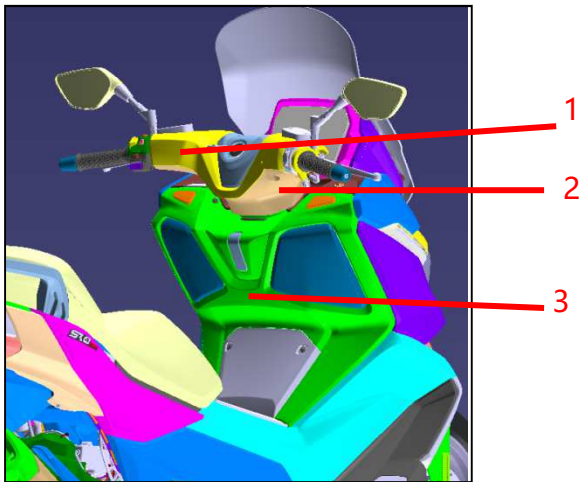
1	Hex. flange bolt	PCS	2
2	Steering lock	PCS	1

Parameters

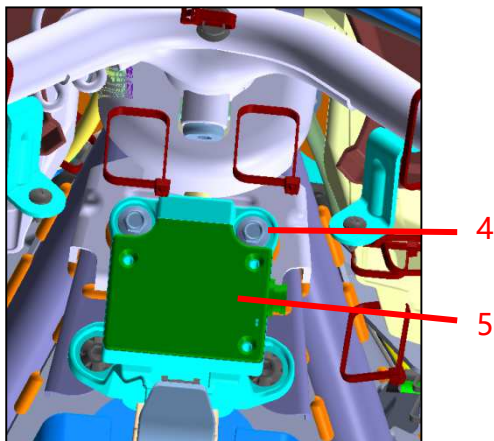
Fastening torque for bolt on head lock	M6	Nm	10
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Steps for disassembly and re-assembly for head lock

- ② Keep the motorcycle upright by parking stand.
- ③ Remove the negative terminal of battery by referring to steps in <Maintenance, disassembly and re-assembly for battery>.
- ④ Remove the upper shield 1 and lower shield 2 for handle bar by referring to <Maintenance, disassembly and re-assembly for steering stem set>.
- ⑤ Remove the middle plate 3 by referring to <Maintenance, disassembly and re-assembly for lights>.



- ⑥ Remove the screw 4, draw out the interface connector between the head lock and main wire harness, then the head lock 5 could be removed.



The re-assembly is precisely opposite to disassembly.

Caution:

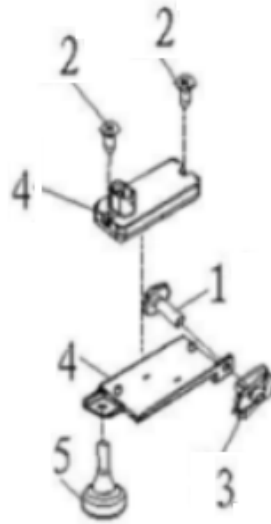
- ⑤ Remove the positive and negative terminals of battery first, then start the following up works.

Important:

- ① When the head lock re-assembled, get the motorcycle power on to check the normal work of the lock tongue. When the lock tongue got back, there shall not be interference with steering stem, and the steering stem turn freely without jamming.

Maintenacne, disassembly and re-assembly for on-board TBOX

On-board TBOX set and its parts



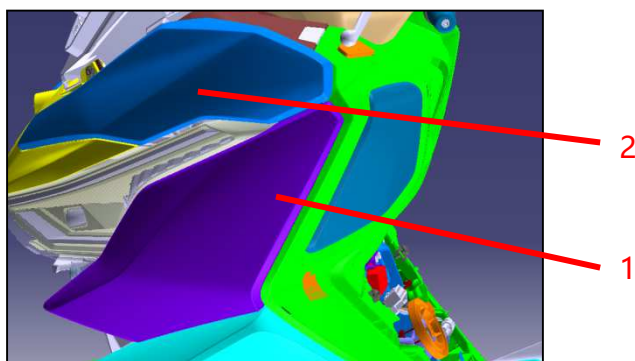
1	Socket hex. screw	PCS	1
2	Cross head self-tapping screw	PCS	2
3	Clipping nut	PCS	1
4	On board T-BOX	PCS	1
5	Holder base	PCS	1
6	Damping rubber sheet for main stand	PCS	1

Parameters

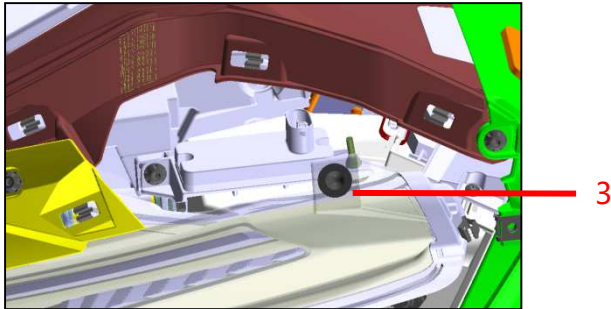
Fastening torque for locking bolt of head part	M5	Nm	4.5
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Steps for disassembly of on-board TBOX

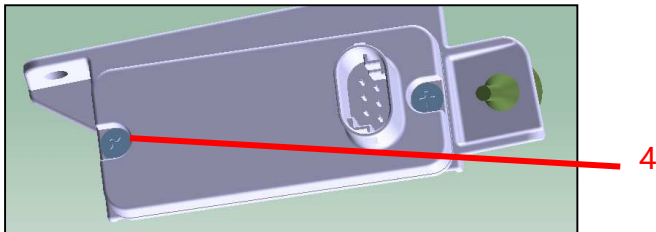
① Remove the left front side cover 1 and left front panel 2 by keeping same pace by referring to <Maintenance, disassembly and re-assembly for BCM controller>



- ⑦ Remove the bolt 3, then remove the TBOX and its bracket together.



- ⑧ Remove the 2 pcs of screw 4, pull out the connector of TBOX, then the TBOX is removeable.



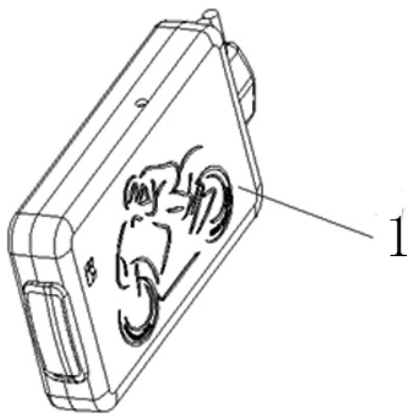
The re-assembly is precisely opposite to disassembly.

Cantion:

- ⑥ When installed the bolt 3 at re-assembling, try everything possible to keep the TBOX horizontal.

Maintenance, disassembly and re-assembly for driving recorder

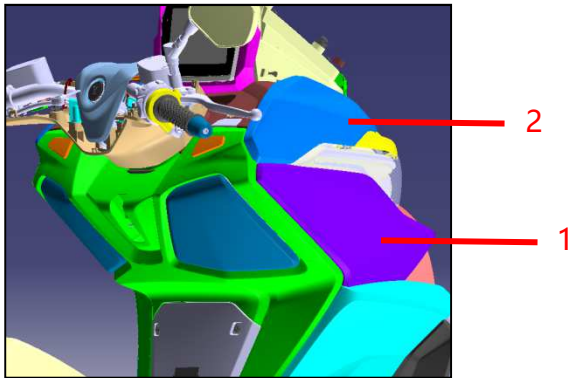
Driving recorder and its parts



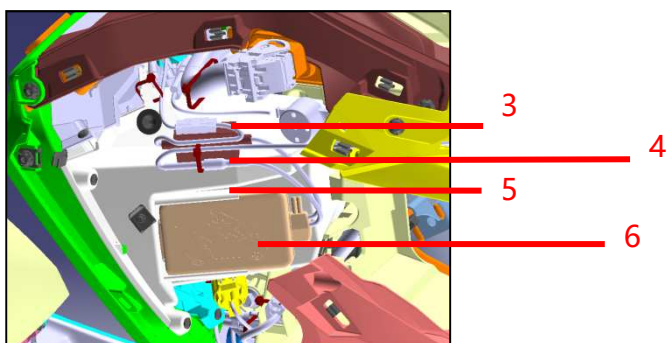
1	Driving recorder	PCS	1
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Steps of disassembly and re-assembly for driving recorder

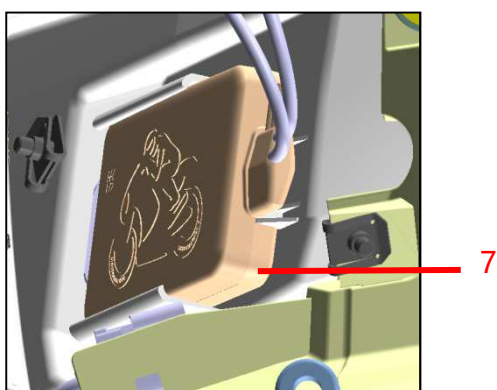
①Remove the right front side cover 1 and right front panel 2 by referring to <Maintenance, disassembly and re-assembly for BCM controller>.



- ② Cut off the binding band 5, and disconnect the connector 3 between recorder and main harness wire, the disconnect the connector 4 between driving recorder and camera.



- ③ Break the recorder 6 outwards from the side with wires, make the recorder apart from clip 7, them draw out the recorder along the direction of head of motorcycle.



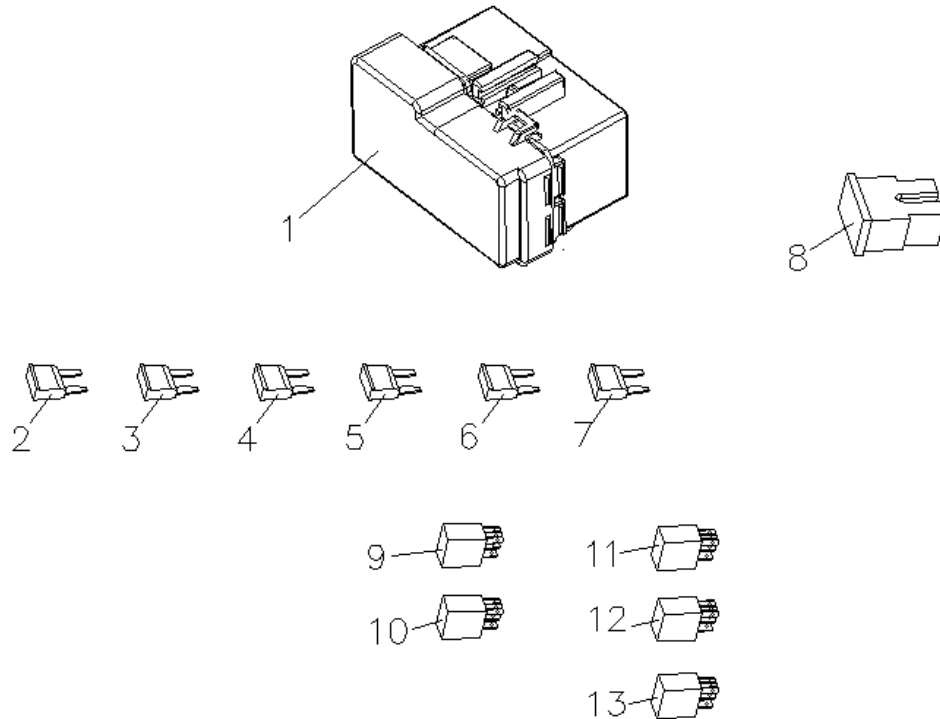
The re-assembly is precisely opposite to disassembly.

Caution:

- ⑦ In case replace the recorder is necessary, please confirm its program is the latest version.

Maintenance, disassembly and re-assembly for relay and fuse

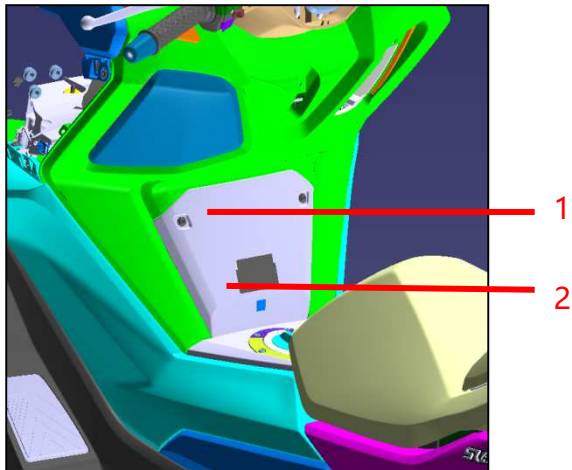
Relay, fuse set and their parts



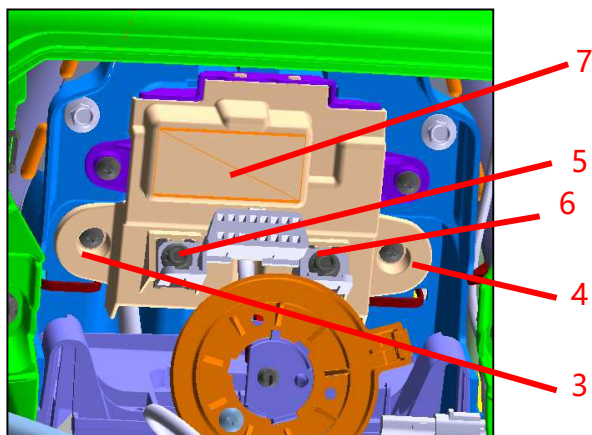
1	Fuse box	PCS	1
2	Regulator fuse	PCS	1
3	Main fuse	PCS	1
4	Light fuse	PCS	1
5	Oil pump fuse	PCS	1
6	Fan fuse	PCS	1
7	EFI main fuse	PCS	1
8	Main fuse	PCS	1
9	Main relay	PCS	1
10	Light relay	PCS	1
11	EFI main relay	PCS	1
12	Fan relay	PCS	1
13	Oil pump relay	PCS	1

Steps for disassembly and re-assembly for relay and fuse

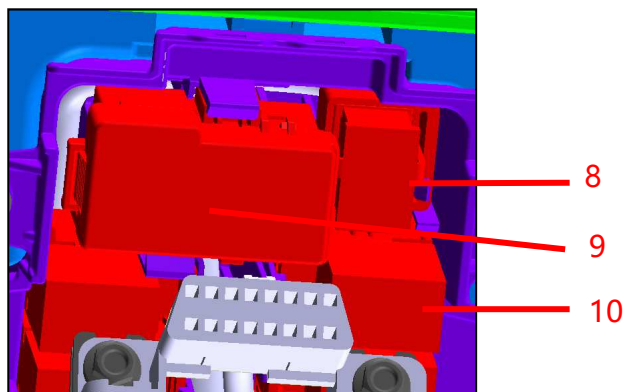
- ① Remove 2 pcs of bolt 1 and covering plate 2 of battery.



- ② Remove the screw 3 and 4, and nut 5 and 6, then remove the bracket 7 for malfunction diagnosis' s interface.



- ③ Remove the main fuse 8 if it is necessary, the chip fuse is in the fuse box 9 and 5 pcs of relay 10.

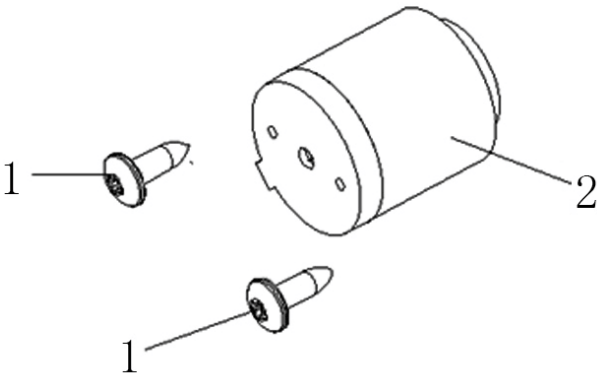


The re-assembly is precisely opposite to disassembly.

Caution:

- ④ In case the fuse was burned-out and needs be replaced, before the replacement, please confirm if there was short circuit or overloading above rated current, in case there is, make troubleshooting for short circuit or overloading first, then replace the fuse, otherwise it may burn out once again.

Maintenance, disassembly and re-assembly for camera
Camera set and its parts



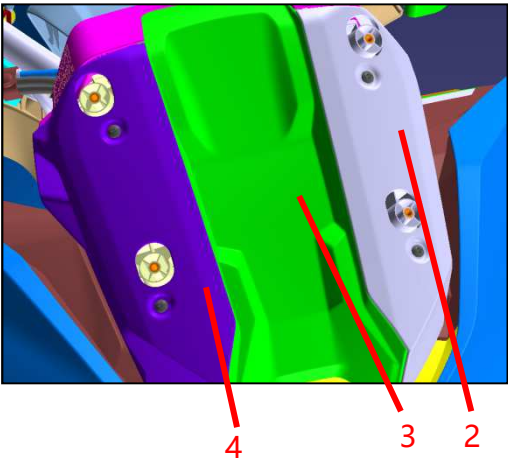
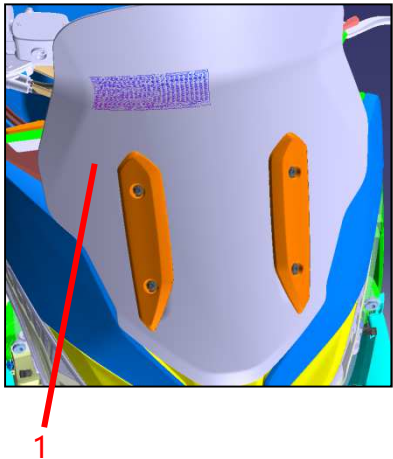
1	Cross head self-tapping screw	PCS	2
2	Camera	PCS	1

Parameters

Fastening torque for screw on camera	ST 4.2	Nm	1.2
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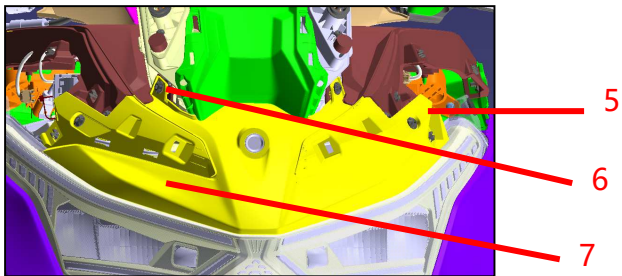
Steps for disassembly and re-assembly for camera.

- ① Remove the windshield glass 1, decorative cover 2 for left windshield plate, decorative cover 3 for instrument and decorative cover 4 for right windshield plate by referring to <Maintenance, disassembly and re-assembly for instrument>.

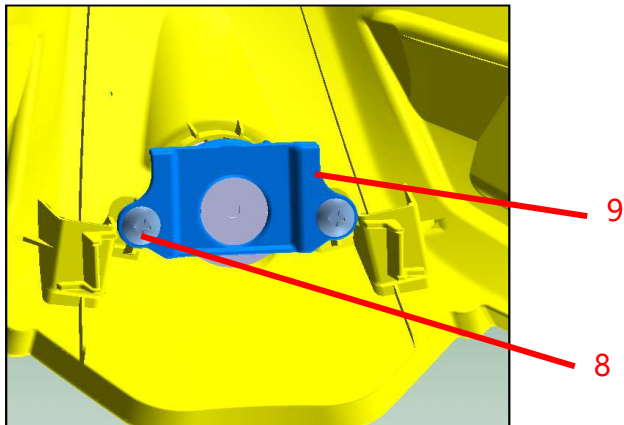


- ② Take apart the connector of interface between camera and recorder.

- ③ Remove the 2 pcs of bolt 5 and 2 pcs bolt of 6, then draw out the front panel along the direction of motorcycle' s head.



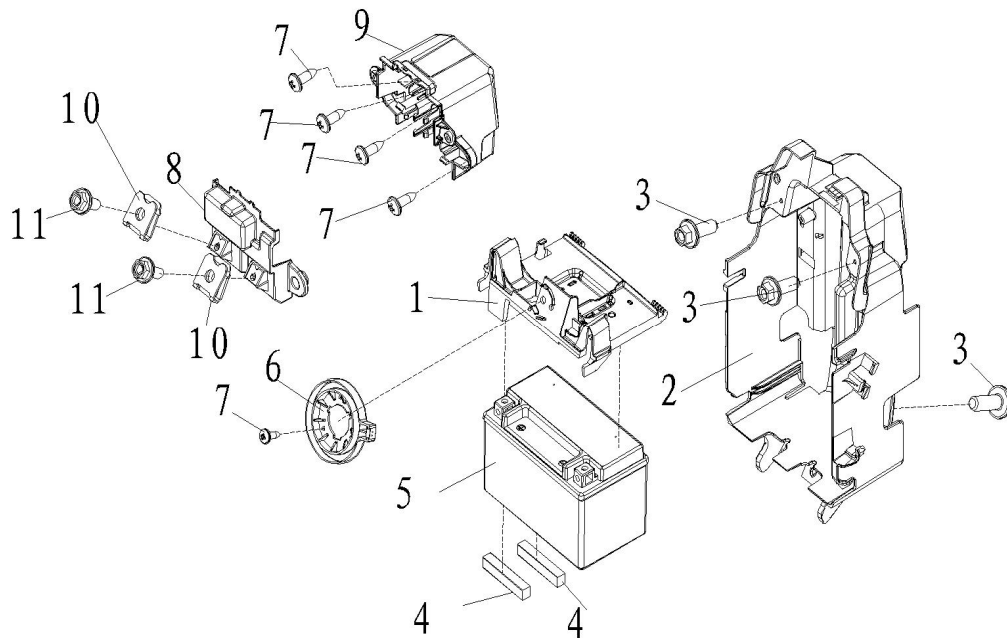
- ④ Remove the 2 pcs of screw 8 and installation bracket 9.



The re-assembly is precisely opposite to disassembly.

Maintenance, disassembly and re-assembly for battery

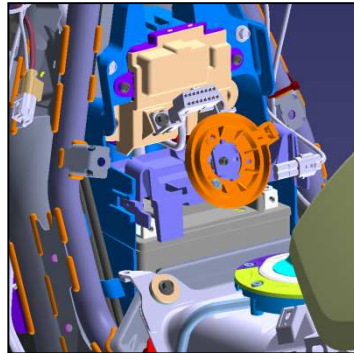
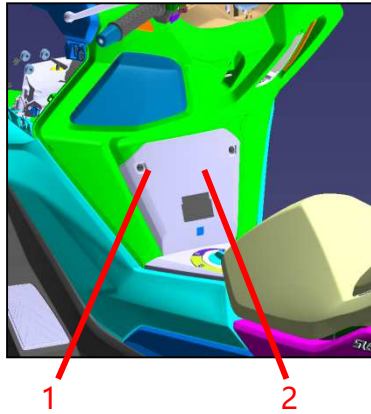
Battery set and its parts



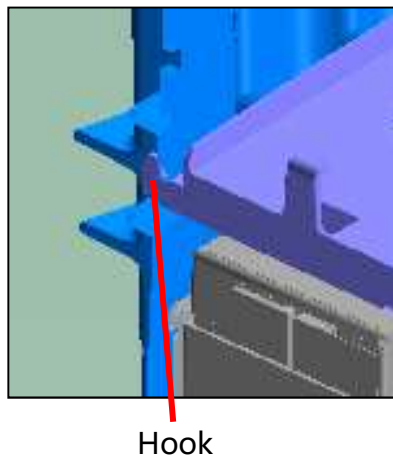
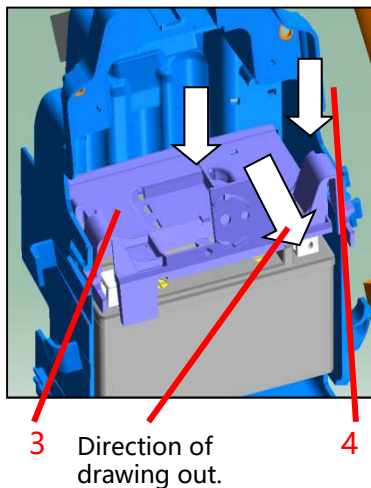
1	Battery cover	PCS	1
2	Battery case cover	PCS	1
3	Hex. flange bolt	PCS	3
4	Damping strip	PCS	2
5	Battery	PCS	1
6	Antenna	PCS	1
7	Cross head self-tapping screw	PCS	5
8	Bracket for malfunction diagnosis interface	PCS	1
9	Fuse relay box	PCS	1
10	Clipping nut	PCS	2
11	Hex. flange bolt	PCS	2

Steps of disassembly and re-assembly for battery.

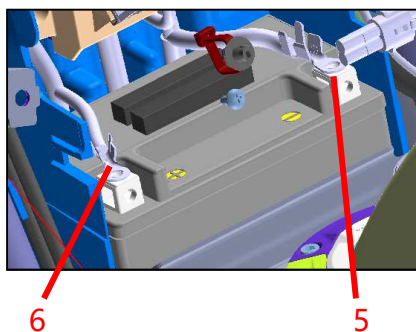
- ① Remove the 2 pcs of bolt 1, then remove the covering plate 2 of battery.



- ② Press down the battery cover along the arrow, make the cover and hook 4 of battery box apart, then take out the battery cover 3 along the direction of arrow.



- ③ Remove the negative terminal 5 and positive one 6. After removed the terminals, install the bolts back to battery to avoid the nut drop into the motorcycle when taking out the battery once again. Then hold the terminals to draw the battery out.



The re-assembly is precisely opposite to disassembly.

Caution:

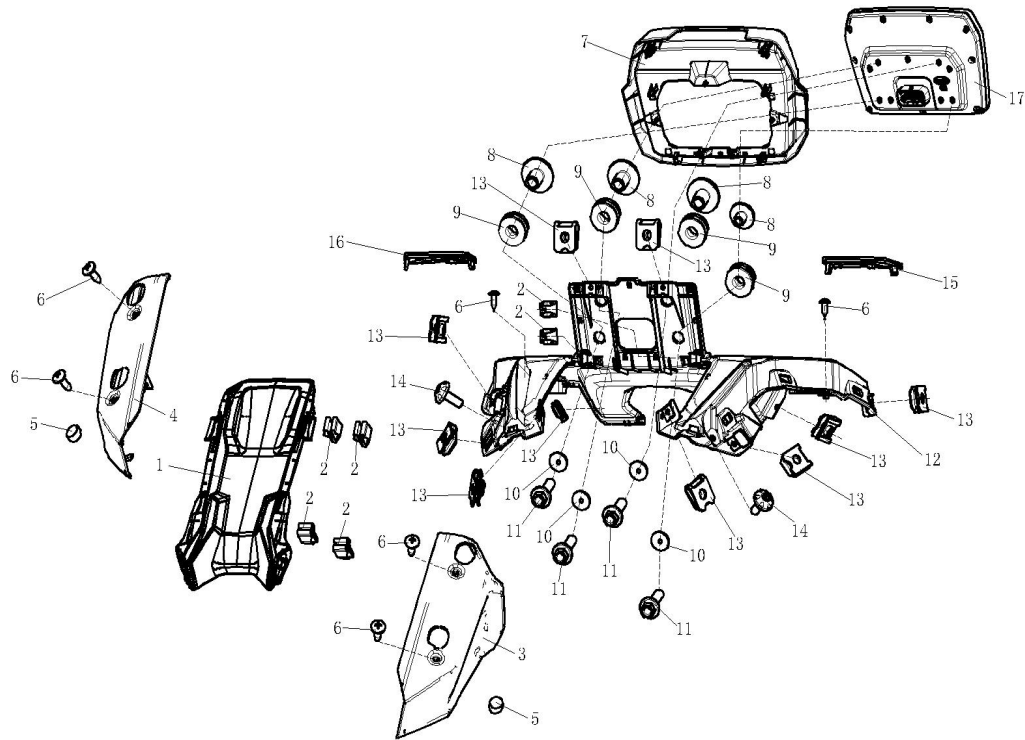
- ① When the positive and negative terminals removed, please install the bolts of battery back to battery to avoid the nuts falling off into the inside of motorcycle.

Important:

- ① When removing the terminals, please remove the negative one first and then the positive one, and when connecting, the sequence is opposite, connect the positive one first and then the negative.

Maintenance, disassembly and re-assembly for instrument

Instrument set and its parts



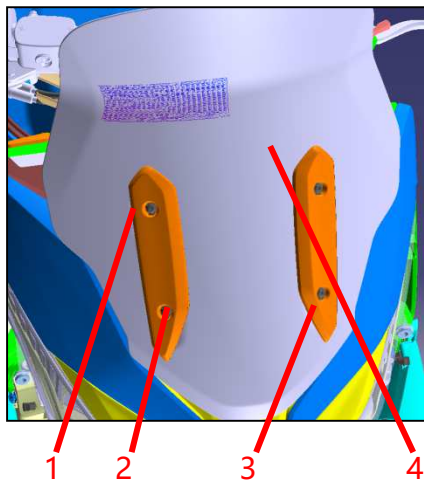
1	Decorative cover of instrument	PCS	1
2	Fixing clip	PCS	6
3	Decorative cover for left windshield plate	PCS	1
4	Decorative cover for right windshield plate	PCS	1
5	Damping sheet	PCS	2
6	Cross head self-tapping screw	PCS	6
7	Installation plate for instrument	PCS	1
8	Flange washer	PCS	4
9	I-ring	PCS	4
10	Flat washer	PCS	4
11	Hex. flange bolt	PCS	4
12	Lower case of instrument case	PCS	1
13	Clipping nut	PCS	10
14	Socket hex. screw	PCS	2
15	Front upper decorative cover	PCS	1
16	Front upper decorative cover	PCS	1
17	Instrument set	PCS	1

Parameters

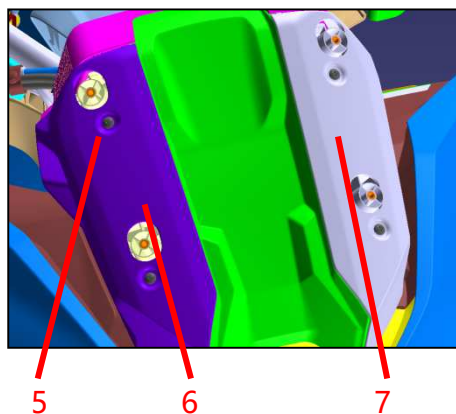
Fastening torque for screw on decorative cover of windshield plate	ST 4.2	Nm	1.2
Fastening torque for bolt on lower part of instrument case	M5	Nm	4.5
Fastening torque for bolt on instrument	M6	Nm	4.5

Steps of disassembly and re-assembly for instrument

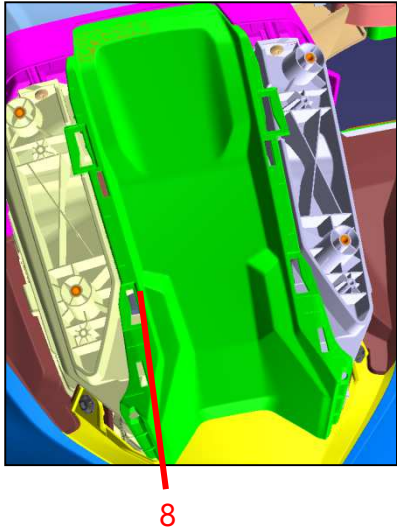
- ① Remove the 4 pcs of bolt 1, pressing plate 2 of windshield glass and the glass 4 itself.



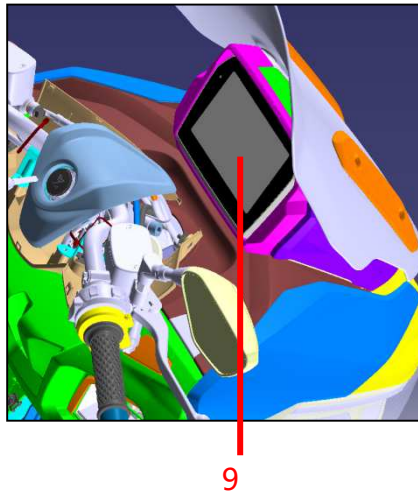
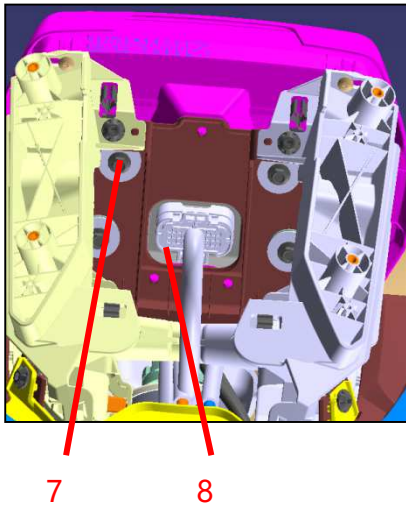
- ② Remove the 4 pcs of screw 5, decorative cover 6 of left windshield plate and the cover 7 for right windshield plate.



- ③ Remove the decorative cover 8 of instrument.



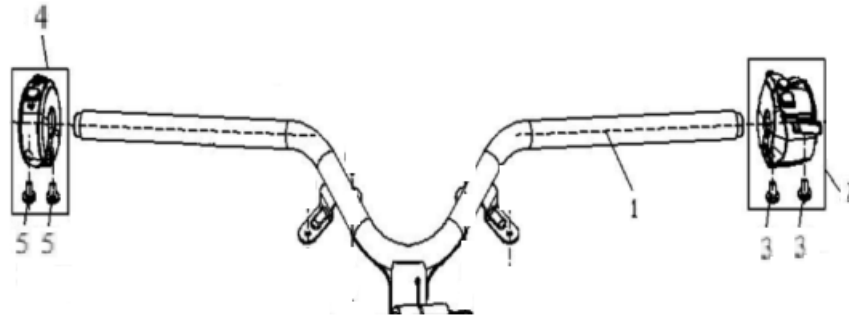
- ④ Remove the 4 pcs of bolt 7, then pull off the connector 8 for instrument, and then the instrument 9 is removeable.



The re-assembly is precisely opposite to disassembly.

Maintenance, disassembly and re-assembly for left and right switch assy.

Left, right switch assy. and their parts



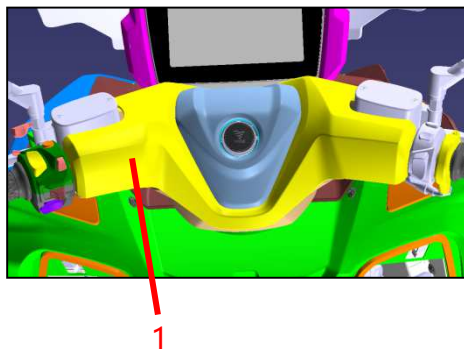
1	Handle bar set	PCS	1
2	Left switch assy.	PCS	1
3	Cors head screw	PCS	2
4	Right switch assy.	PCS	1
5	Cross head screw	PCS	2

Parameters

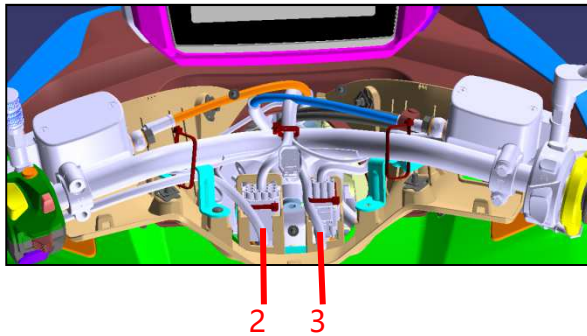
Fastening torque for bolt on left switch assy.	M4	Nm	1.2
Fastening torque for bolt on right switch assy.	M4	Nm	1.2

Steps of disassembly and re-assembly for left and right switch assy.

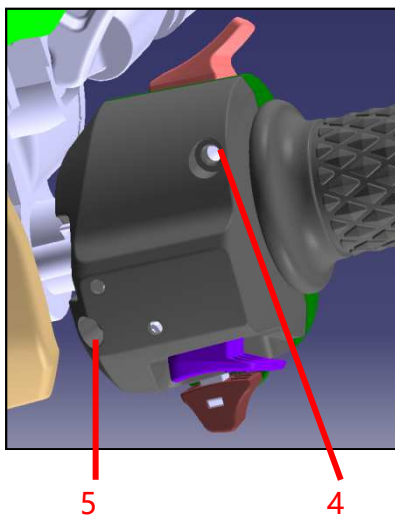
- ① Remove the upper shield 1 of handle bar by referring to <Maintenance, disassembly and re-assembly for ignition switch>.



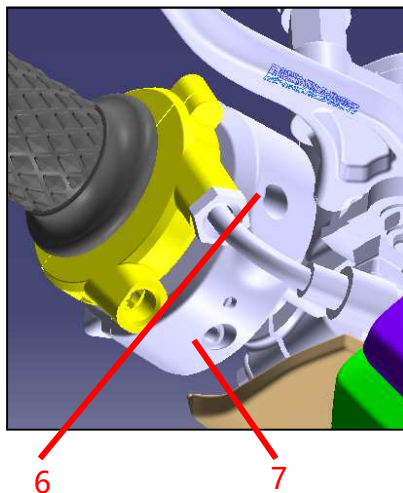
- ② Please cut off the socket plug 2 when removing left switch assy., while breaking connector 3 when disassembling the right switch assy.



- ③ Remove the bolt 4 and 5 when disassembling the left switch assy., then separate the switch assy. to 2 parts which are upper one and lower one, and finally take out.



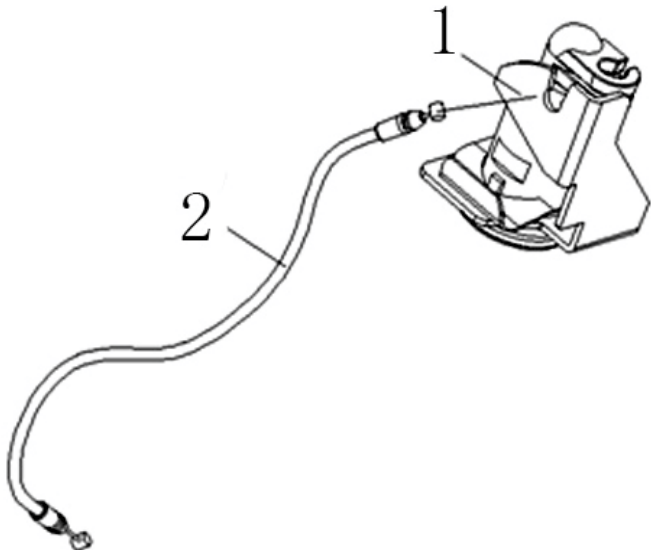
- ④ Remove the bolt 6 and 7 when disassembling the right switch assy., then separate the switch assy. to 2 parts which are upper one and lower one, and finally take out.



The re-assembly is precisely opposite to disassembly.

Maintenance, disassembly and re-assembly for seat lock

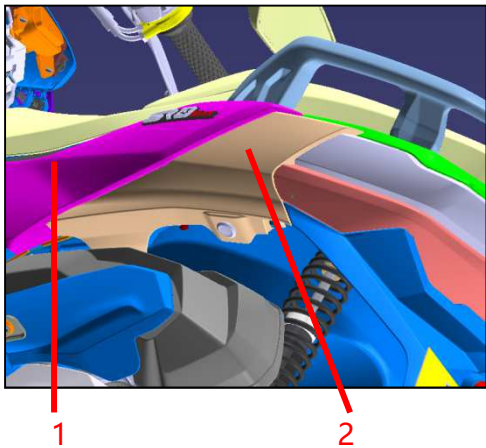
Seat lock set and its parts



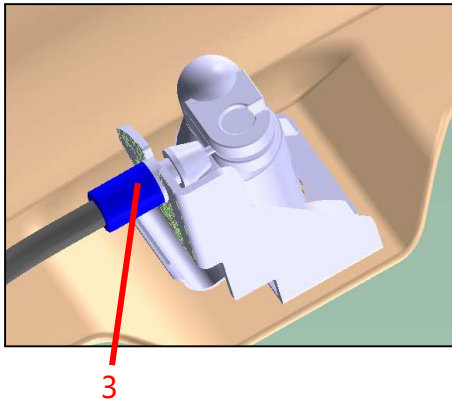
1	Key and lock’ s core set	PCS	1
2	Seat cable	PCS	1

Steps of disassembly and re-assembly for seat lock

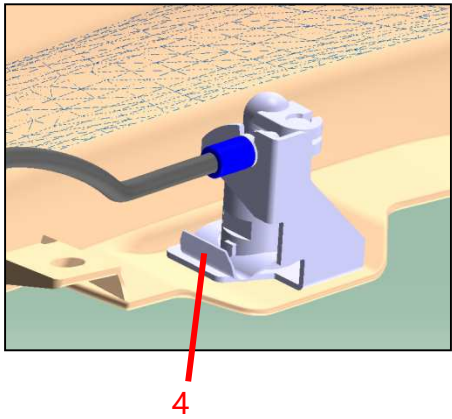
- ① Remove the left rear side cover 1 and decorative cover 2 for tail cover by referring to <Maintenance, disassembly and re-assembly for lights>.



- ② Remove the lock 3.



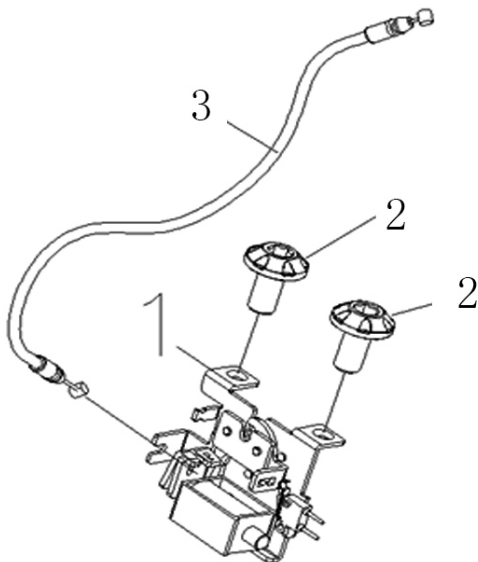
- ③ When the clip 4 was removed, the seat lock is also removeable.



The re-assembly is precisely opposite to disassembly.

**Maintenance, disassembly and re-assembly for
stopping device of seat lock**

Stopping device set of seat lock and its parts



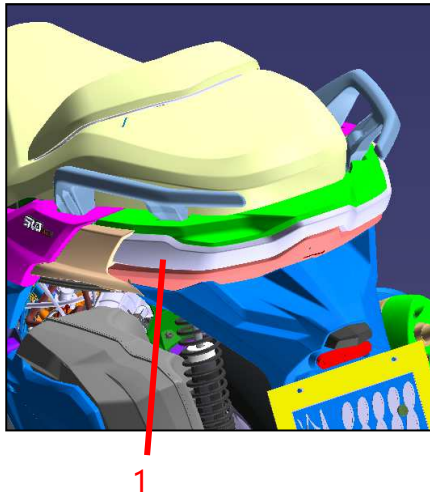
1	Stopping device for seat lock	PCS	1
2	Socket hex. screw	PCS	2
3	Seat cable	PCS	1

Parameters

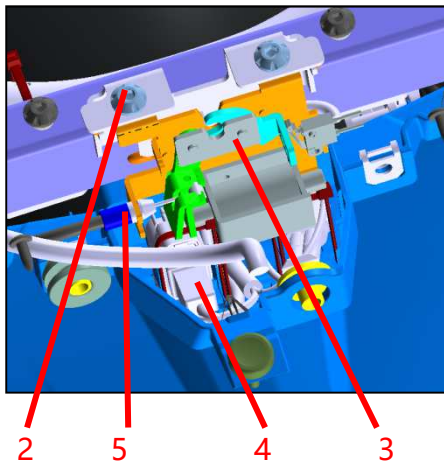
Fastening torque for bolt on stopping device of seat lock	M6	Nm	8
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Steps of disassembly and re-assembly for stopping device of seat lock

- ① Remove the taillight 1 by referring to <Maintenance, disassembly and re-assembly for lights>.



- ② Remove the 2 pcs of bolt 2, then remove the stopping device 3 of seat lock, finally cut off the socket plug 4 and cable 5 for stopping device of seat lock.



The re-assembly is precisely opposite to disassembly.

Caution:

- ⑧ When re-assembled, please check and confirm if the position of lock clipping needs lubricant, in case it is, please suitably add some.