1. Vehicle Information

Notice before service

1、 You need to use good quality tools, or special tools and fixtures designed by our company. Using inferior tools may cause damage to parts, coating shedding, inadequate assembly, etc.

2、 O-rings, paper gaskets , copper gaskets, component sealing rings, etc. used for sealing must be replaced before assembly .

3、 with torque requirements need to use a torque wrench to check the torque; those without torque requirements refer to the general torque values recommended for general fasteners.

4、 It needs to be cleaned before assembly; after assembly, it needs to be checked whether the assembly is correct and in place.

5、 The vehicle should be parked in a balanced position, and attention should be paid to safety during disassembly and assembly, including but not limited to the use of electric tools, hand tools, pneumatic tools, hydraulic tools, and handling ; avoid contact with skin, eyes, burns, etc.

6、 Replaced oils, liquids, batteries, etc. must be collected and handed over to qualified institutions for disposal; it is prohibited to dump them at will to pollute the environment or water sources.

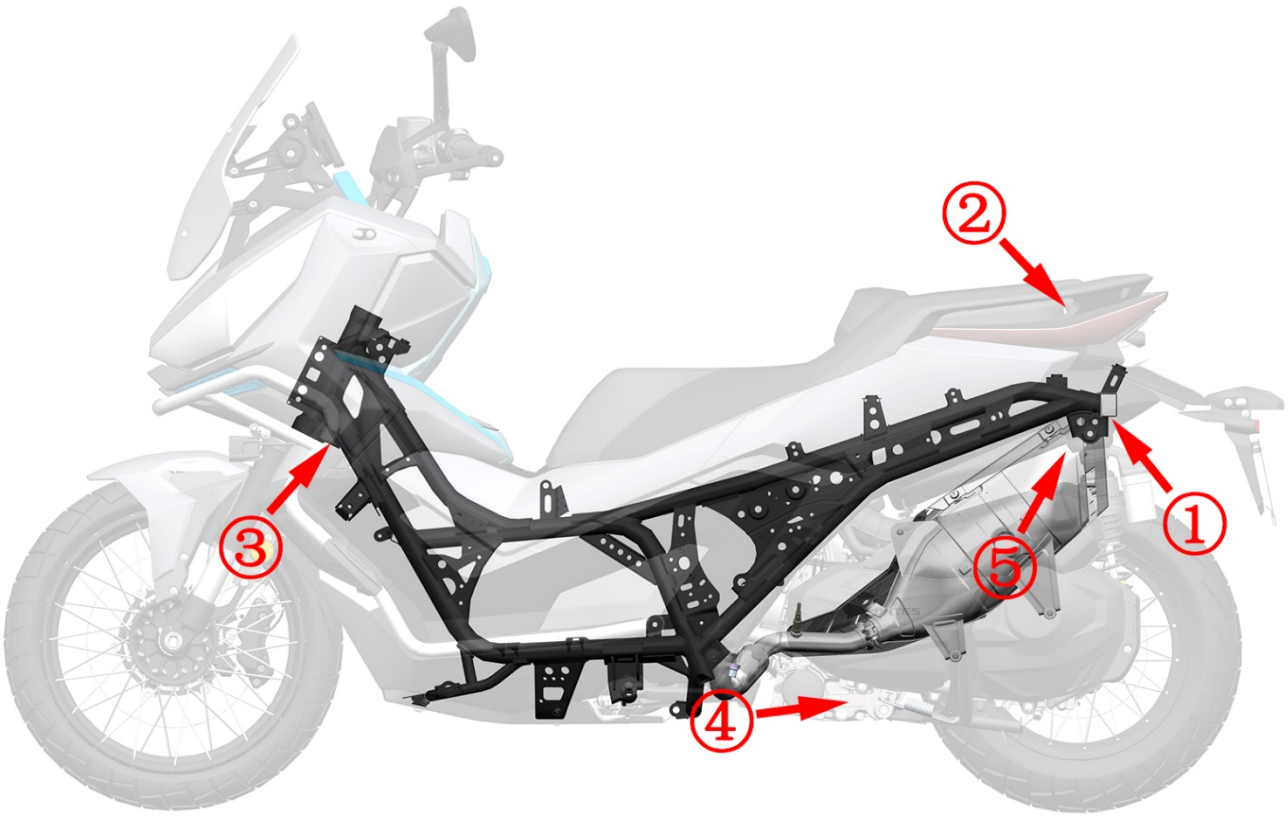
7、 Swallowing or inhaling coolant, brake fluid, etc. will cause certain harm to the human body. Wash hands, face and any exposed skin thoroughly after each addition. If swallowed, contact the poison control center or hospital immediately; if inhaled, go to a ventilated environment immediately. If accidentally splashed into the eyes, rinse the eyes immediately with plenty of running water and seek medical attention or treatment in time. Keep away from children and pets.

The things that need to be paid attention to and the basic requirements for preventing accidental injuries; it is impossible to list all situations in detail. Be sure to stay vigilant during the disassembly and assembly process to prevent accidents.

Motocyle body stickers

① Vehicle Identification Number VIN Located on the rear fender, near the rectifier, in the VIN style cover, the VIN code is engraved on the rear cross tube of the frame
② The storage box warning label is affixed to the rear of the storage box
③ The nameplate is located above the radiator
④ The engine identification code is engraved on the left crankcase
⑤ The muffler regulation code is on the inside of the muffler

Note : The nameplates, muffler regulatory codes and warning stickers for different displacements have different contents .



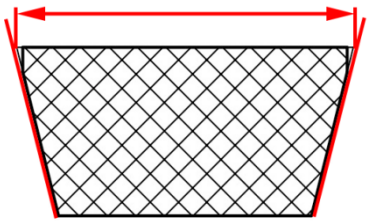
368G Technical Parameters

project		parameter	
Complete vehicle	Front tire	110/70—17	
	Rear tire	150/70—14	
	Front rim specifications	MT: 3.0 × 17	
	Rear rim specifications	MT: 4.2 5 × 14	
	Brake fluid	DOT4 0.25L (0.07 US gal,0.06 lmp gal)	
	Oil consumption	Replace the fine filter:	1.75L（0.46 US gal,0.39 lmp gal ）
		Without replacing the fine filter:	1. 55L (0.41 US gal, 0.34 lmp gal)
	Gearbox oil consumption	0.2L (0.05 US gal ,0.04 lmp gal)	
engine	Fuel	95 and above	
	Idle speed (r/min)	1600±100	
spark plug	Spark plug model	LMAR8A-9	
	gap	0.8 ～ 0.9mm(0.031 ～0.035 in)	
	Resistance (kΩ)	3 ~ 7.5	
Cooling system	Total coolant usage	1.54L (0.41 US gal,0.34 lmp gal)	
	Thermostat opening temperature	80～84℃(176 ～183.2 F)	
	Thermostat fully open temperature	95℃(203 F)	
	Thermostat opening stroke	≥3.5 mm (0.13 in)	
	Coolant Type	Ethylene glycol + distilled water	

Front wheel/steering system

project		standard	Limit value
Tread depth		-	≥1.6mm (0.063 in)
Standard tire pressure at normal temperature		230kPa (2.35 kgf/cm ^{2} , 33.4 PSI)	-
Front rim	Radial runout	-	1.5 mm (0.006 in)
	Axial runout	-	1.5 mm (0.006 in)

Rear wheel/suspension system

project		standard	Limit value
Tread depth		-	≥1.6mm (0.063 in)
Standard tire pressure at normal temperature		230kPa (2.35 kgf/cm ^{2} , 33.4 PSI)	-
Rear rim	Radial runout	-	1.5 mm (0.006 in)
	Axial runout	-	1.5 mm (0.006 in)
V- belts 	Top Width (1)	27.8mm (1.094 in)	≥ 26.8 mm (1.055 in)

Braking system

project		standard	Limit value
Front disc brake	Brake fluid	DOT4	-
	Brake pad usage limit	-	Bottom of the tank
	Brake disc thickness	≥ 5.0mm (0.197 in)	＜4.5mm (0.177 in)
Rear disc brake	Brake fluid	DOT4	-
	Brake pad usage limit	-	Bottom of the tank
	Brake disc thickness	≥4.5mm (0.177in)	＜4.0mm (0.157 in)

Battery/Charging System

project			standard
Battery	type		Lithium battery
	capacity		6 Ah
	Battery self-discharge current		Average 1.1mA
	Voltage	Fully charged	13.1 ～13.3V
		Charging voltage required when not installed	≤12.8 V
		voltage required for loading	≤12V
	Constant voltage charging mode	Constant pressure range	14.4 ~ 14.8V
		Initial charging current	0.1 to 0.2 times the battery capacity
		Charging time	6 to 24 hours
	Constant current charging mode	Maximum charging current	0.1 times the battery capacity
		Charging time	5 to 8 hours
		charging current × charging time must be controlled within the current range of 0.5 to 0.8 times the battery capacity.	

Lighting/Instrument/Switch Description

project			parameter
Lighting (LED)	Headlight	High beam	12V ~ 24W
		Low beam	12V ~ 17W
	Front fog lights		12V ~ 2 1W
	Front position lights		3.4W
	Rear position lights		1.8W
	Front turn signal		2.2W
	Rear turn signal		2.2W
	License plate light		0.4W
	Brake lights /tail lights		12V ~ 6.3W
	Storage compartment ambient lighting		0.2W
Insurance	Primary Insurance		40A
	ECM		15A
	ABS hydraulic control unit motor		15A
	Hydraulic control unit ECU		10A
	light		10A
	Constant power supply		15A
	spare		40A*1、15A*4、10A*7、1A*2
Water temperature sensor	Normal temperature		1.5 ～ 4.0KΩ

Tightening torque

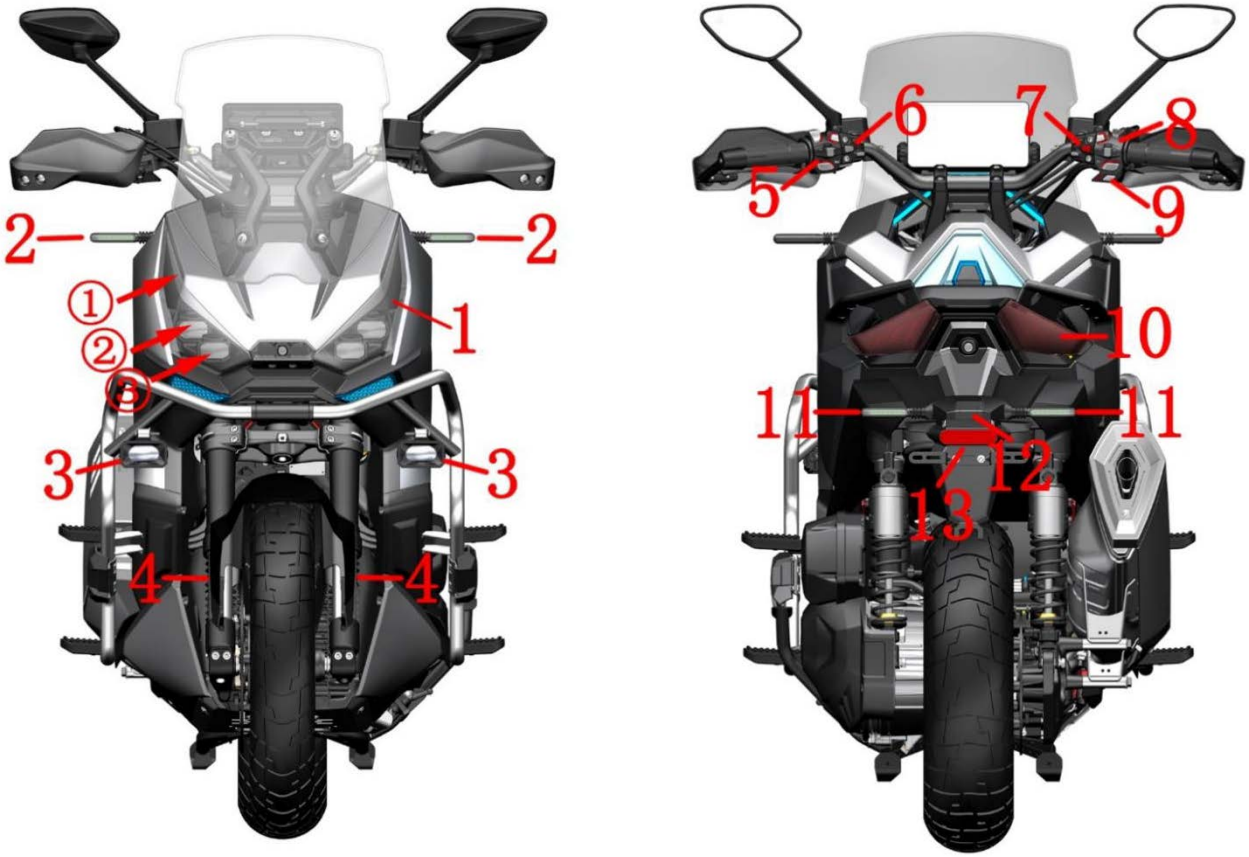
Bolt tightening torque for general fastening parts

	4.8-6.8 grade (bolt head marked " 4 ")			8.8 grade (bolt head marked " 7 " or " 8.8 ")		
Bolt diameter	Tightening torque range	Standard value	Breaking torque	Tightening torque range	Standard value	Breaking torque
M4	1-2	1.4	/	1.5-3	2.5	/
M5	2-4	2.9	4.5	3-6	4.5	8
M6	4-7	4.9	10	8-12	10	14.5
M8	10-16	12.2	20	18-28	22	34
M10	22-25	24.5	45	40-60	44	76
M12	35-55	43	75	70-100	77	112
M14	50-80	69	123	110-160	124	200
M16	80-130	110	195	170-250	200	300
M18	130-190	150	285	200-280	270	450

Note: The tightening torque of plastic parts is half of the tightening torque of 6.8 grade bolts.

Cable/pipeline/electrical components distribution diagram

1. Lighting distribution map

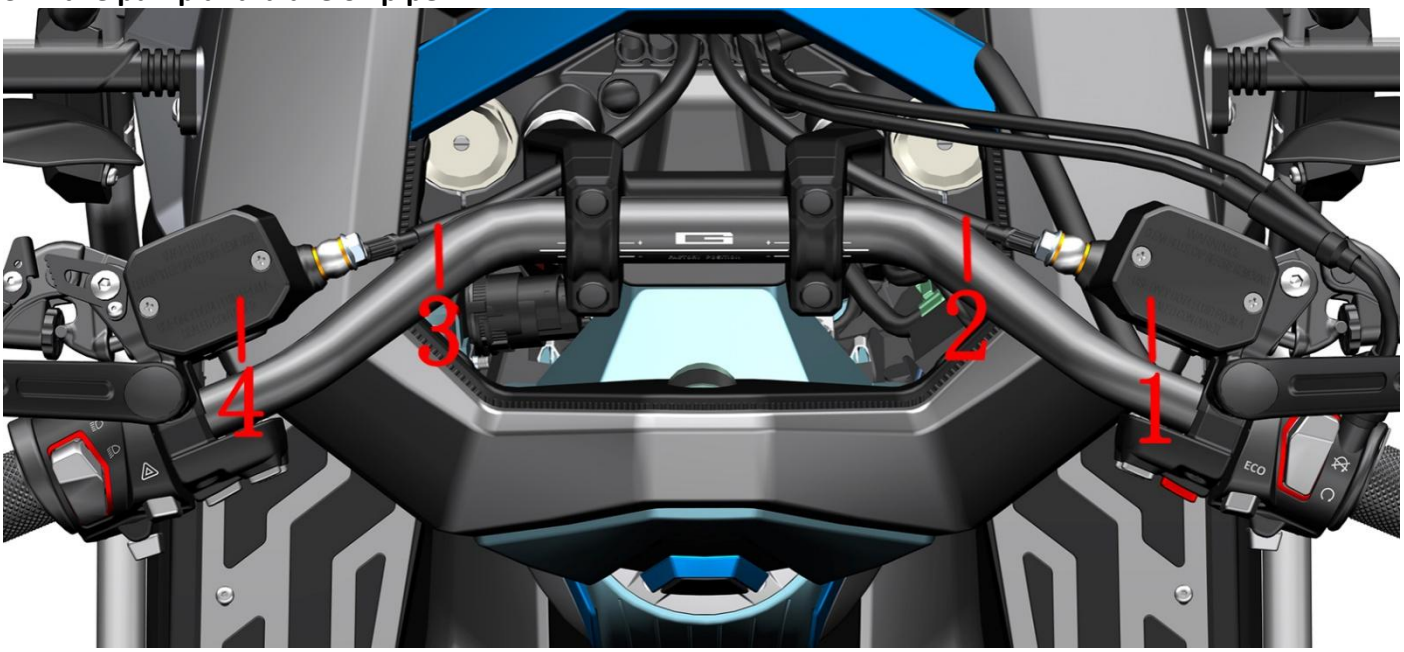


1- Headlight (①- Position light / daytime running light position ②- Low beam position ③- High beam position) 2- Front turn signal 3- Front fog light 4- Side reflector 5- Left handlebar switch 6- Left handlebar auxiliary switch 7- Right handlebar auxiliary switch 8- Right handlebar switch 9- Heated handlebar switch 10- Rear taillight 1 1- Rear turn signal 1 2- Rear license plate light 1 3- Rear reflector

2. Throttle cable

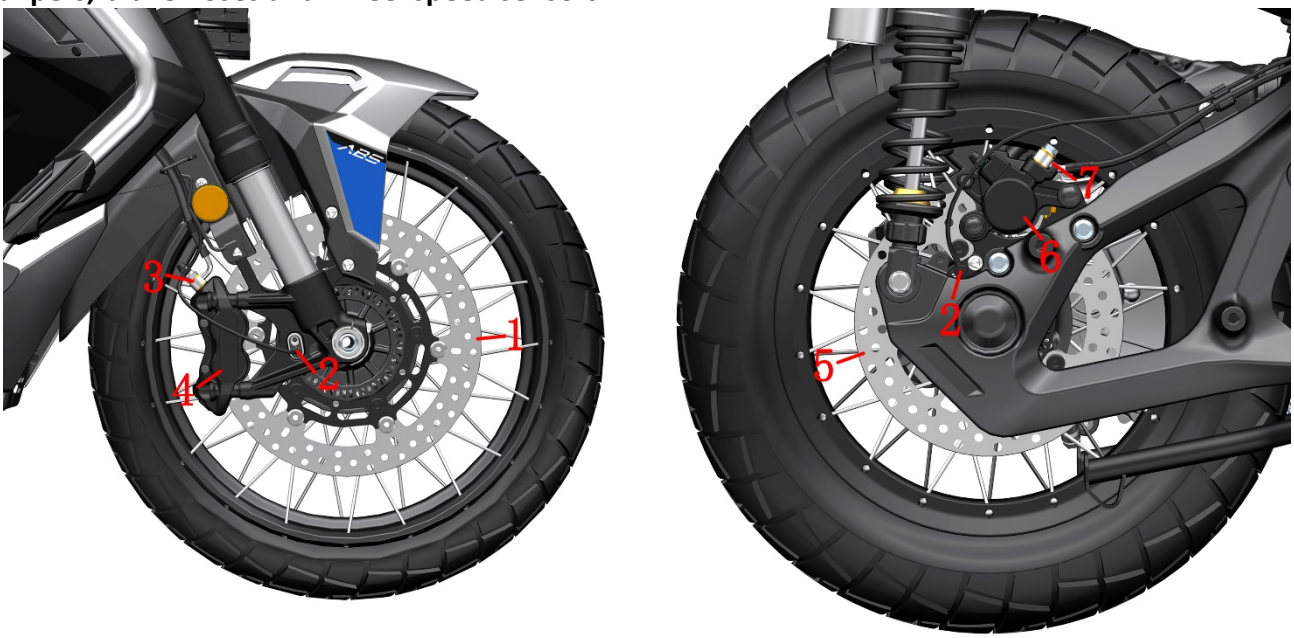
1- Throttle cable

3. Brake pump and brake oil pipe



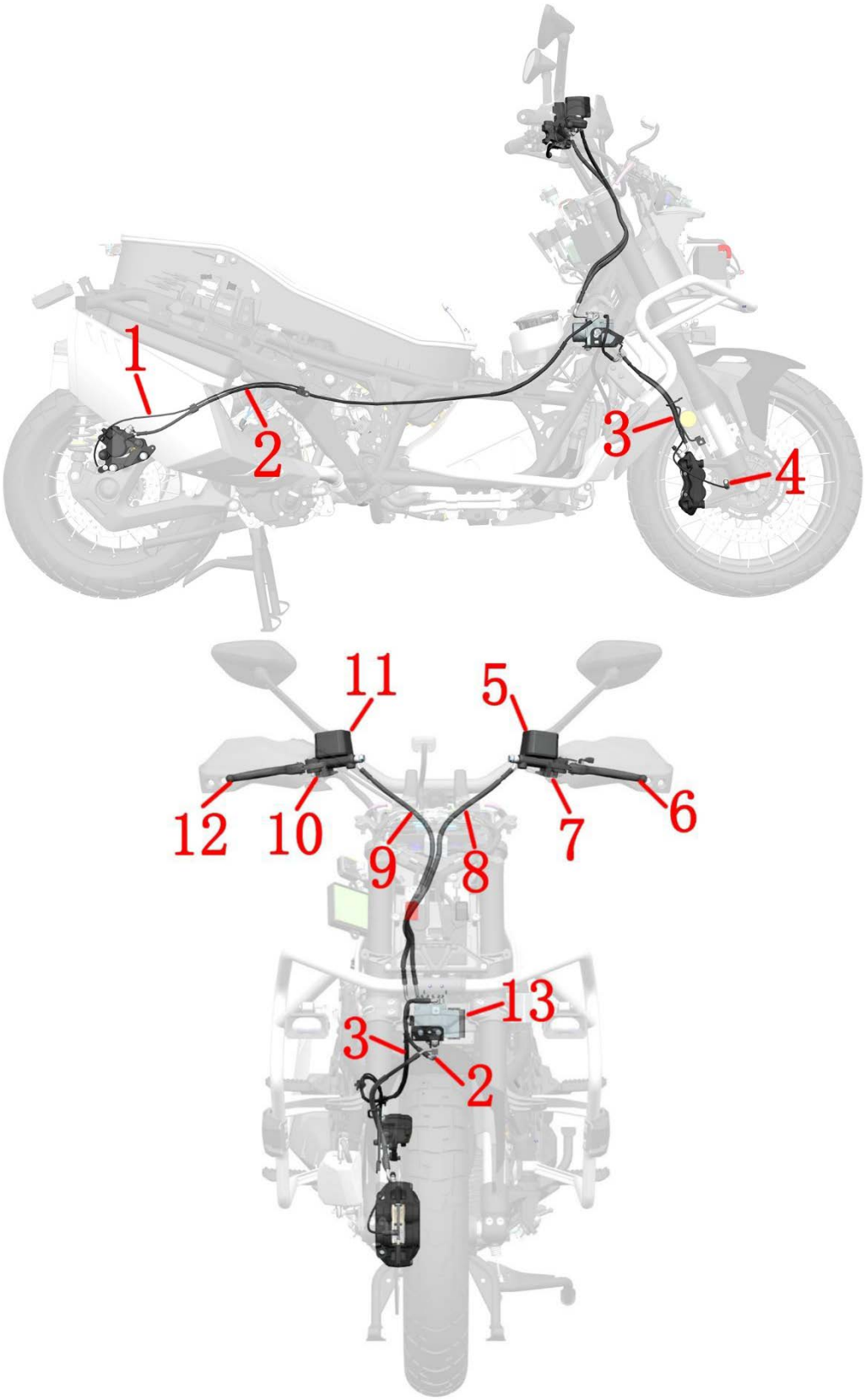
1-Front disc brake master cylinder 2-FMC-HU brake hose 3-RMC-HU brake hose 4-Rear disc brake master cylinder

4. Calipers, brake hoses and wheel speed sensors



1 - Front brake disc 2 - Wheel speed sensor 3 -FC-HU brake hose 4 - Front disc brake calipers 5 - Rear brake disc 6 - Rear disc brake caliper 7 - RC-HU brake hose

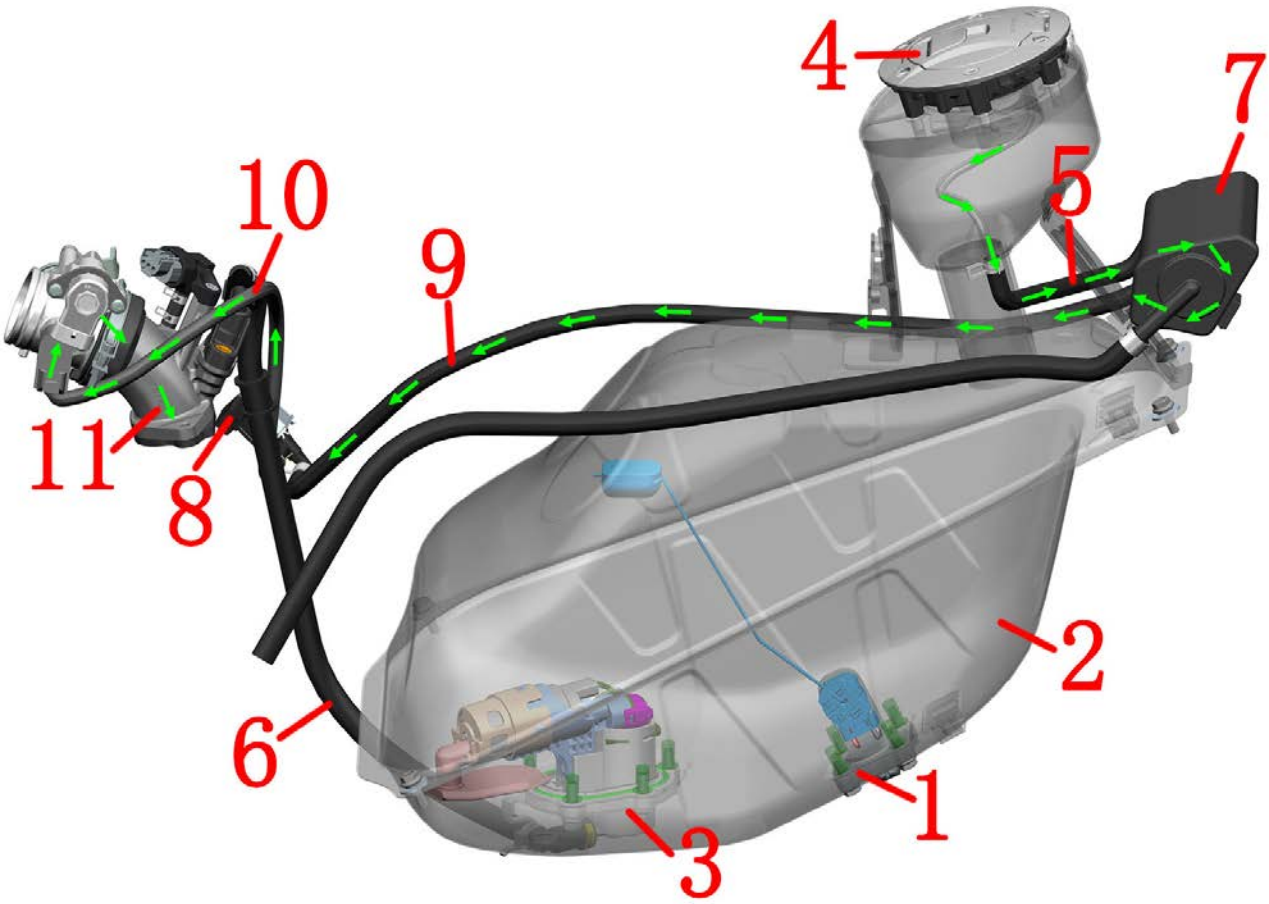
5. Braking system parts distribution diagram



1- Wheel speed sensor (rear wheel) 2-FC-HU brake hose 3-RC-HU brake hose 4-Wheel speed sensor (front wheel) 5- Rear disc brake master cylinder 6 -Rear brake handle 7 -Rear brake switch 8-RMC-HU brake hose 9-FMC-HU brake hose 10 -Front brake switch 1 1 -Front disc brake master cylinder 12 -Front brake handle 13 - Hydraulic control unit

6. Oil supply system

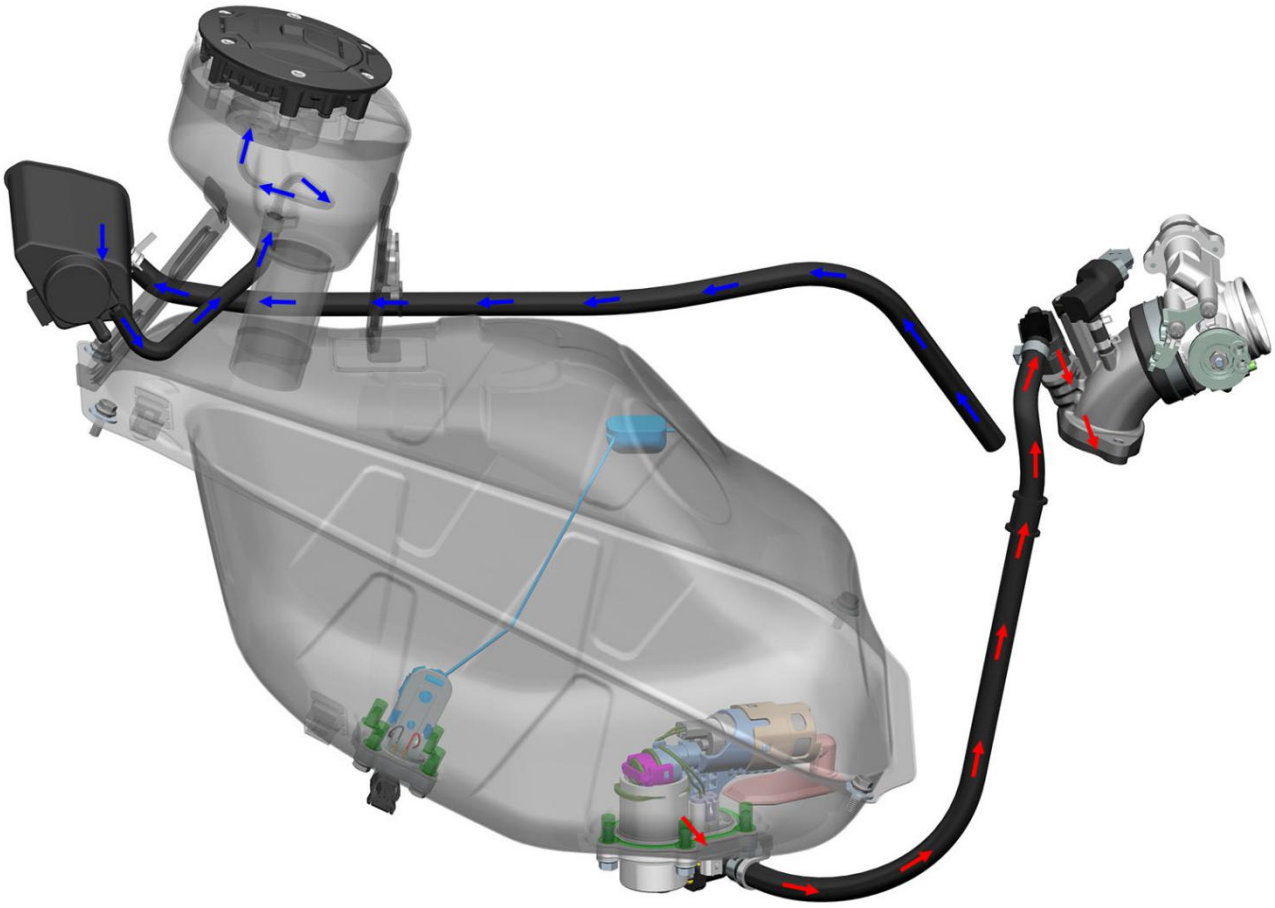
6.1 Fuel evaporation



1 - Fuel level sensor 2 - Fuel tank 3 - Fuel pump 4 - Fuel tank cap 5 - Adsorption /vent pipe
6 - High pressure oil pipe 7 - Carbon canister 8 - Carbon canister solenoid valve
9 - Solenoid valve inlet pipe 10 - Solenoid valve outlet pipe 11 - Throttle valve body assembly

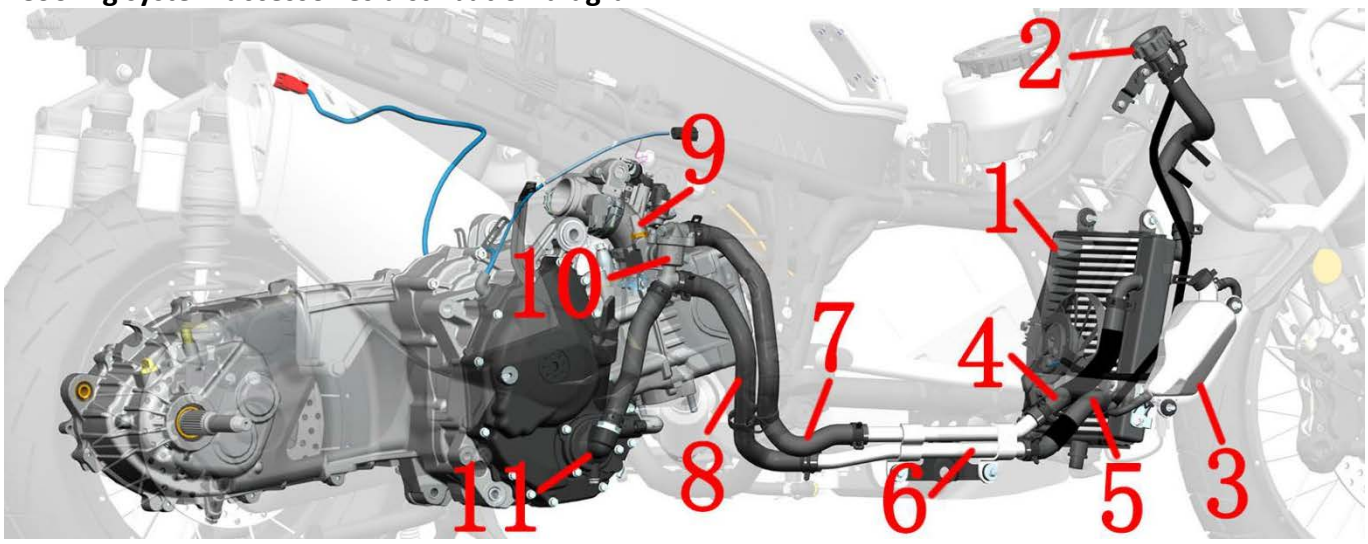
Fuel evaporation:
Oil and gas → adsorption /vent pipe → solenoid valve intake pipe → solenoid valve outlet pipe → throttle valve body assembly → intake manifold → cylinder

6.2 Fuel supply



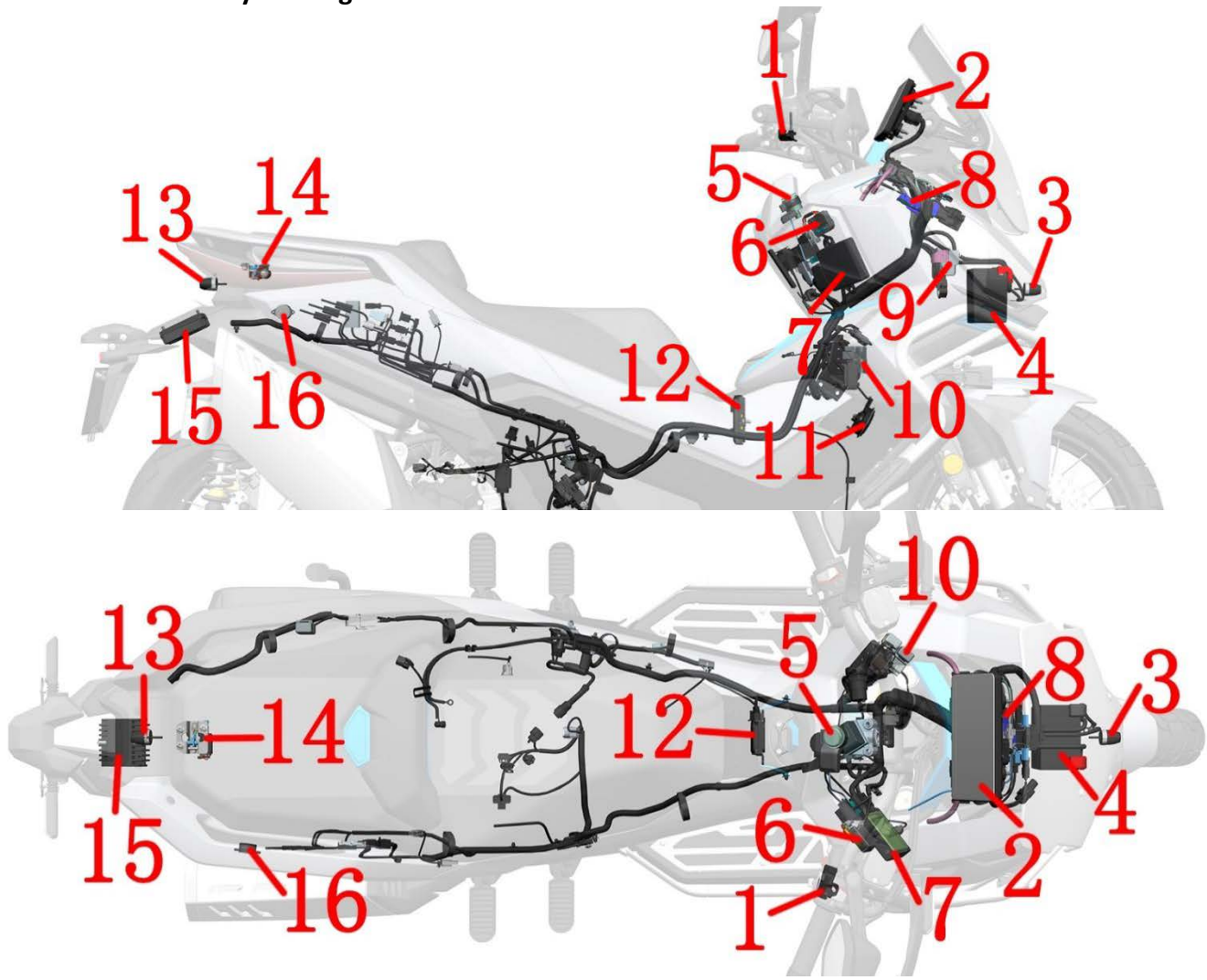
Oil supply system:
Air → Carbon canister → Adsorption /vent pipe
Fuel → fuel pump filter → fuel pump → high pressure fuel pipe → fuel injector → cylinder

7. Cooling system accessories distribution diagram

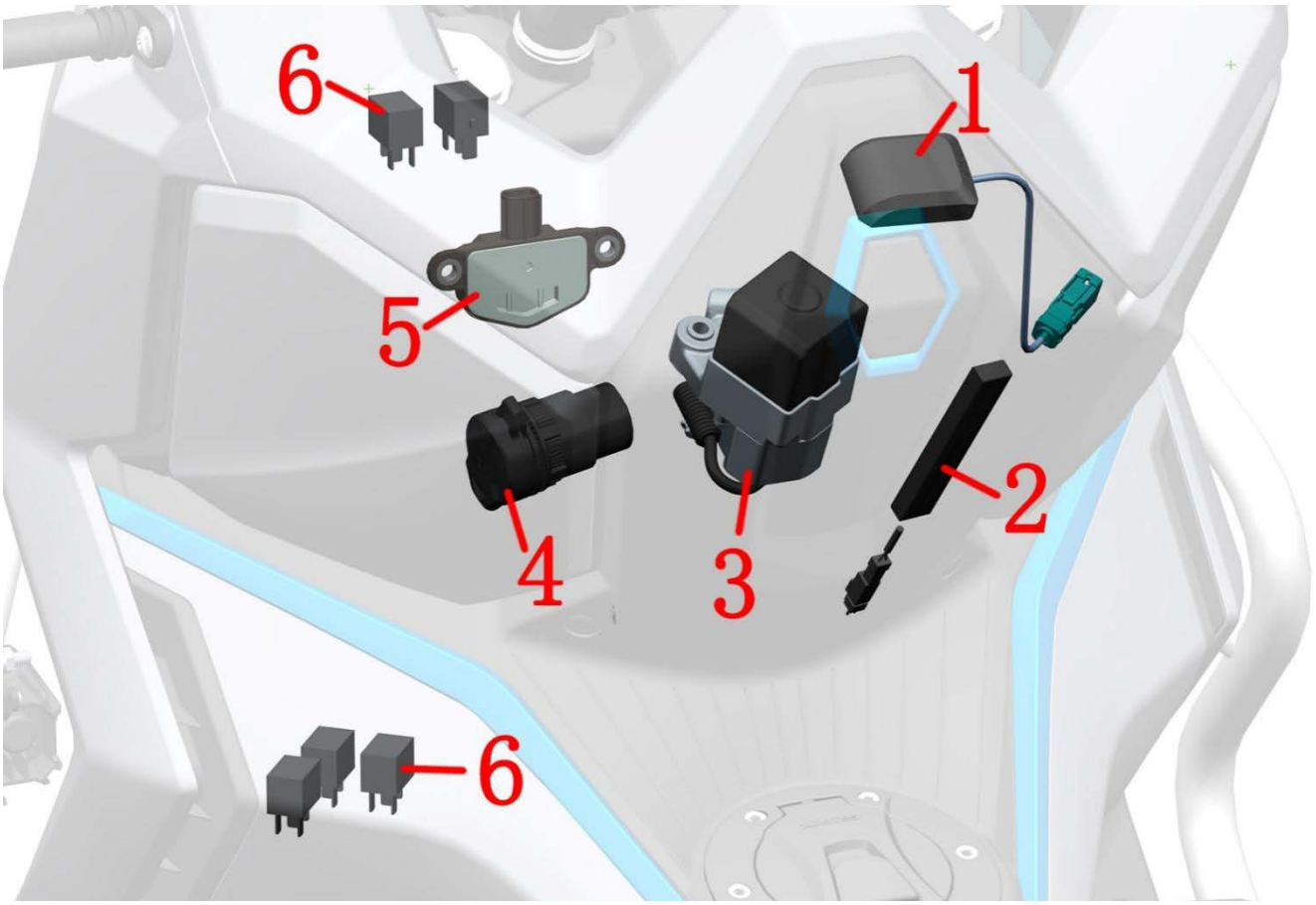


1 - Main water tank 2 - Water tank filling port 3 - Auxiliary water tank 4 - Main water tank inlet pipe 5 - Main water tank outlet pipe 6 - Aluminum water pipe 7 - Thermostat water outlet pipe 8 - Engine water inlet pipe 9 - Water and oil common sensor 10- Thermostat 11- Water pump cover assembly

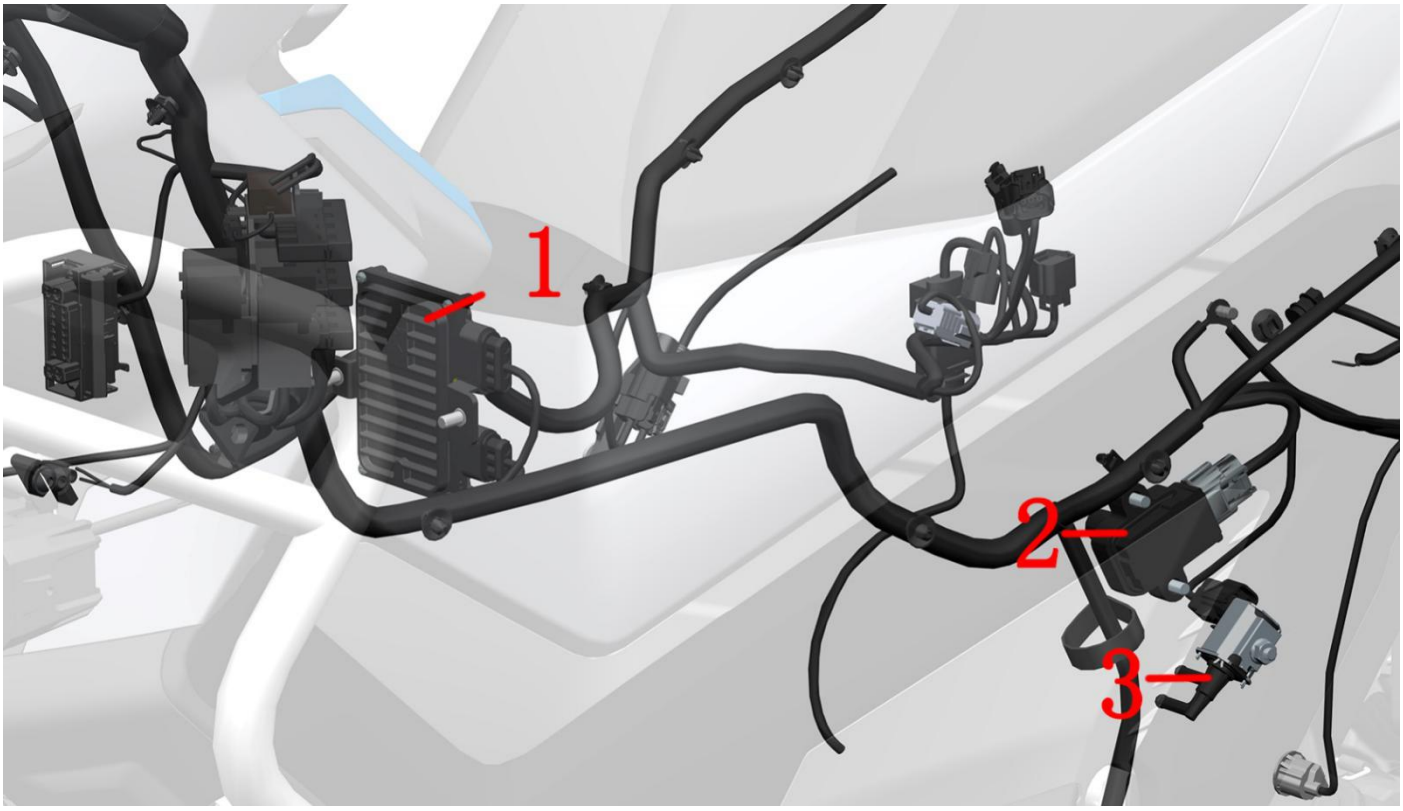
8. Electrical device layout diagram



1- Electric heating handle switch 2 - TFT instrument 3 - Front camera 4 - Battery 5 - Flasher 6 - Charging port 7 - PKE host 8 - Engine controller (ECU) 9 - Start relay 10 - EFI relay 11 - Speaker 12 - Fog lamp drive box 13 - Rear camera 14 - Electronic seat lock 15 - Rectifier 16 - Buzzer

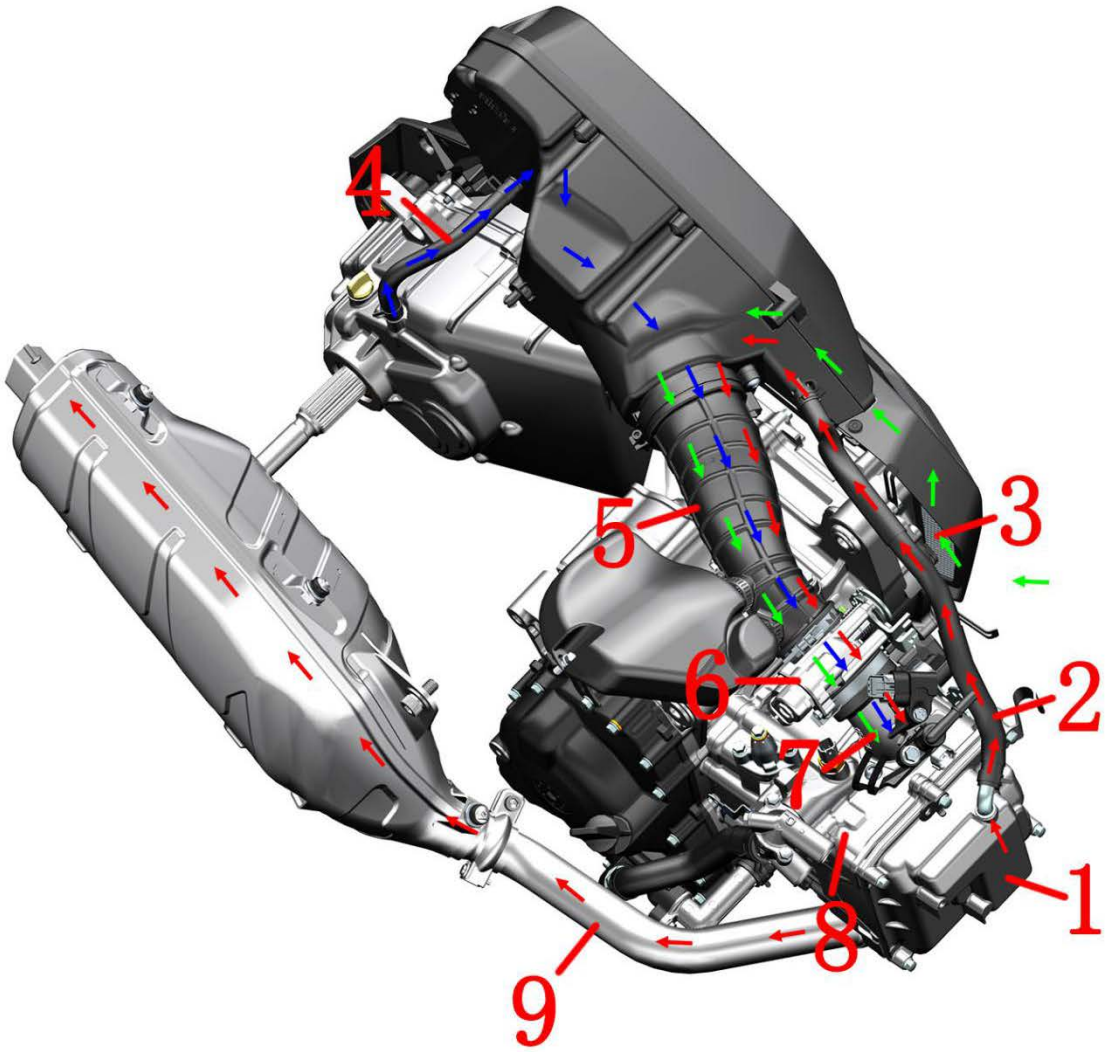


1-GPS antenna 2- PKE external antenna 3-Faucet lock 4-Dual-port universal USB charging cable 5-Dump switch 6-Electric injection rela



1 - Fog lamp drive box 2 - Ignition coil body 3 - Carbon canister solenoid valve

9. Intake and exhaust system



1 - cylinder head 2 - cylinder head exhaust pipe 3 - air filter inlet 4- Gearbox exhaust pipe
5- Air filter outlet pipe 6 - Throttle body assembly 7 - Intake manifold 8 - Cylinder 9 - Muffler

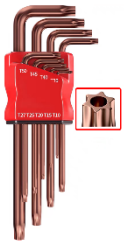
Intake system (indicated by green arrow) :
Air → air filter inlet → air filter element → air filter outlet pipe → throttle valve assembly → intake manifold → cylinder → muffler

Cylinder head exhaust gas control system (indicated by a small red arrow) :
Exhaust gas → cylinder head cover → cylinder head exhaust pipe → air filter → air filter outlet pipe → throttle valve body → intake manifold → cylinder → muffler

Gearbox exhaust gas control system (indicated by blue arrows):
Exhaust gas → gearbox exhaust pipe → air filter outlet pipe → throttle body → intake manifold → cylinder → muffler

Tool

			
125 piece tool set	Torque wrench	Vehicle Tools	Claw hammer
			
Pull code	Rubber hammer	Dynamic balancing machine	Tire Changing Machine
			
Oil pan	Measuring cup	funnel	Taps and dies
			
Micrometer	Depth gauge	Vernier caliper	Feeler gauge
			
Tire pressure gauge	Magnetic seat + dial indicator	PT300 EFI diagnostic instrument (16PIN)	17# Hexagon socket

			
Clamp pliers	Internal circlip pliers	External circlip pliers	Clamp Multimeter
			
multimeter	Blow gun	14-sided 65mm cap filter wrench (for replacing the fine filter of M350)	T45/50 plum socket with hole
			
T25/ 45/50 plum wrench with hole			
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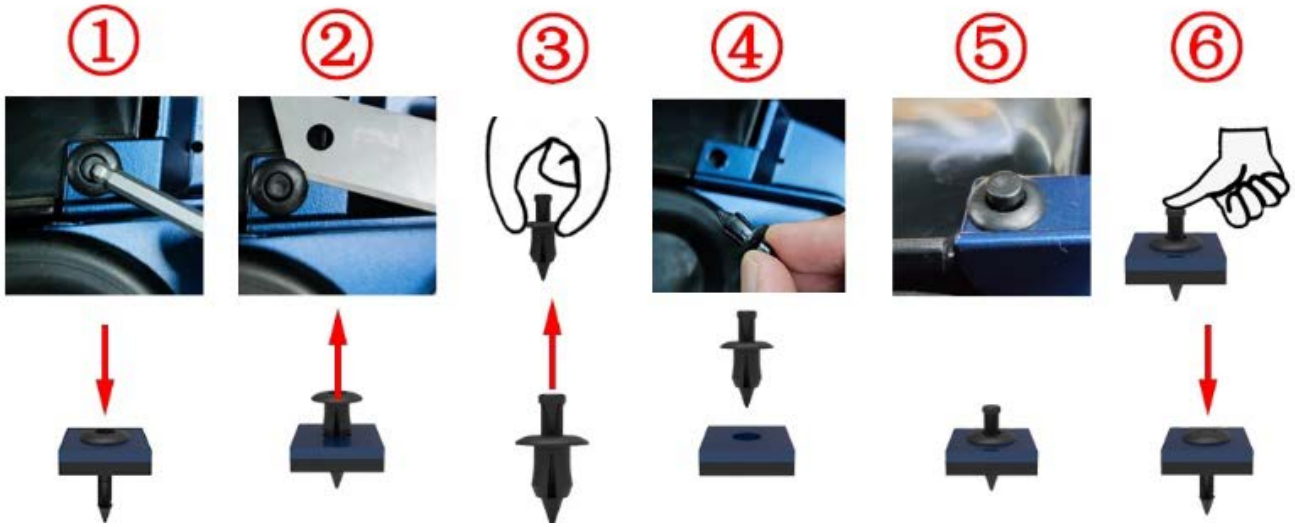
Expansion nail description



① Use a 4# hexagon socket or other tools to press the center cylinder. You can hear a sound or the center cylinder moves 2mm axially.
② Use a blade, fingernail or carving knife to pry open the gap and remove it. If space permits, you can reach out to the back and push it out.
③ Pinch the outer ring with two fingers and push the center cylinder up to the initial position.
④ Pinch the center cylinder with two fingers and install the expansion nail to the installation position.
⑤ The outer ring fits the connected parts. If not, check whether it is misaligned.
⑥ Press the center cylinder with your fingers or other tools. You can hear a sound or the top of the center cylinder is basically flush with the top surface of the outer ring, indicating that the assembly is in place.