

(1) HEAD LIGHT ASSY

Replace Head Light Assy :

(1) Release three screws on the handle cover

(Picture 1)

- (2) Release two mounting screws on the instrument panel, and then release three screws on the head light assy (Picture 2)
- (3) Follow with the reversed steps to restore

Tools! " (1) (2) screwdriver





(Picture 2)

Replace Head Light Bulb"

(1) Release three screws on the handle cover

(Picture 1)

- (2) Release two mounting screws on the instrument panel so can easily replace the bulb (Picture 2)
- (3) Follow with the reversed steps to restore

Tools! " (1) (2) screwdriver



Replace Signal Light Bulb"

(1) Release three screws on the handle cover

(Picture 1)

(2) Release signal light bulb set for replacement

(Picture 2)

- (3) Follow with the reversed steps to restore
 - Tools! " (1) screwdriver



(2) <u>SPEEDOMETER ASSY</u>

Replace Instrument Panel :

- (1) Release three screws on the handle cover.....(Picture 1)
- (2) Release two mounting screws on the instrument panel ······(Picture 2)
- (3) Release the nut for the speedometer ······(Picture 3)
- (4) Follow with the reversed steps to restore

<Tools> : (1) (2) screwdriver





(Picture 1)



(Picture 2)



(Picture 3)

Replace Speedometer Cable:

(1) Release three screws on the handle cover

·····(Picture 1)

- (2) Release two mounting screws on the instrument panel(Picture 2)
- (3) Release the nut for the speedometer(Picture 3)
- (4) Release three screws on the front cover(Picture 4)
- (5) Release speedometer nut on the front wheel(Picture 5)
- (6) Follow with the reversed steps to restore

<Tools> : (1) (2) (4) screwdriver





(Picture 4)



(Picture 5)

Replace Speedometer Gear:

- (1) Release front axle nut(Picture 5)
- (2) Remove the front wheel
- (3) Follow with the reversed steps to restore
- <Tools> : (1) box wrench (17mm)





Speedometer gear

(3) <u>KEY SWITCH AND HORN</u>

Replace Key Switch :

- (1) Release three screws on the front cover(Picture 1)
- (2) Release six screws on the front fender(Picture 1)
- (3) Release three screws on the glove box(Picture 2)
- (4) Release 4 pin connector and two screws on the key switch(Picture 3)
- (5) Follow with the reversed steps to restore
- <Tools> : (1) (2) screwdriver ; (3) T-bend socket wrench (8mm) & screwdriver ;





(4) T-bend socket wrench (10mm)



(Picture 1)



(Picture 2)



(Picture 3)

Replace Horn:

- (1) Release three screws on the front cover(Picture 1)
- (2) Release two connectors on the horn(Picture 2)
- (3) Release the mounting screws on the horn(Picture 4)
- (4) Follow with the reversed steps to restore

<Tools> : (1) screwdriver ; (3) open-end wrench (10mm)





(Picture 4)

(4) MAIN CONTROL CORD

Replace Main Control Cord :

 Release three screws on the handle cover, two mounting screws on the instrument panel, three screws on the head light, three screws on the front cover and two screws on the right trim

······(Picture 1 & 2)

- (2) Release all of the connectors stored inside the handle cover(Picture 3)
- (3) Release all of the connectors stored inside the front cover(Picture 4)
- (4) Release all of the connectors stored inside the right cover(Picture 5)
- (5) Follow with the reversed steps to restore

<Tools> : (1) screwdriver





(Picture 1)



(Picture 2)



(Picture 3)

Connectors inside the front cover



(Picture 4)

Connectors inside the right cover



(Picture 5)

Replace Flasher Relay:

 Release three screws on the handle cover, remove the rubber sleeve so can see the 2 pin connector for the flasher relay

······(Picture 1 & 6)

(2) Follow with the reversed steps to restore

<Tools> : (1) screwdriver





(Picture 6)



(Picture 7)

Replace DC to DC converter:

- (1) Release three screws on the front cover so can see the DC to DC converter(Picture 7)
- (2) Release two screws and 4 pin connector for the DC to DC converter(Picture 7 & 8)
- (3) Follow with the reversed steps to restore
- <Tools> : (1) (2) screwdriver





(Picture 8)

(5) HANDLE SWITCH LEFT AND RIGHT

Replace Left Handle Switch:

Remove left rear view mirror and release three screws on the handle cover(Picture 1)

- (1) Release two mounting screws on the instrument panel(Picture 1)
- (2) Release two screws on the left handle switch(Picture 1)
- (4) Follow with the reversed steps to restore
- <Tools> : (1) open-end wrench (14mm) & screwdriver ; (2) (3) screwdriver



(Picture 1)

Replace Right Handle Switch:

- (1) Remove the right rear mirror and three screws on the handle cover(Picture 2)
- (2) Release two mounting screws on the instrument panel(Picture 1)
- (3) Release two screws on the right handle switch and one screw for the throttle cable(Picture 2)
- (4) Follow with the reversed steps to restore
- <Tools> : (1) open-end wrench (14mm) & screwdriver ; (2) (3) screwdriver



(Picture 2)

(6) BRAKE MASTER CYLINDER R & L

Replace Master Cylinder Right and Left:

(1) Release three screws on the handle cover, two mounting screws on the instrument panel and three screws on the head light assy
.....(Picture 1 & 2)

(2) Check the fluid in reservoir for refuel or replace the brake fluid

······(Picture 2)

(3) Replace reservoir

(a) Gasket fail or wear out (b) leaking

- (4) Release the screw on the brake hose(Picture 2)
- (5) Release two screws on the reservoir(Picture 3)

<Tools>: (1) screwdriver; (4) box wrench (12mm); (5) hex-key wrench (5mm)





(Picture 1)



(Picture 2)



(Picture 3)

(7) <u>FRONT FORK AND REAR</u> <u>SHOCK ABSORBER</u>

Replace Front Fork:

- (1) Release three screws on the front cover(Picture 1)
- (2) Release six screws on the front fender(Picture 2)
- (3) Release three screws on the glove box(Picture 3)
- (4) Release clamping screw for the handle(Picture 4)
- (5) Release front axle nut to remove the wheel(Picture 5)
- (6) Release two screws on the caliper(Picture 6)
- (7) Release two screws on the front fork and check the steel balls to see if they are missing...... (Picture 4)
- (8) Properly adjust the front fork clearance and follow the reversed steps to restore
- <Tools>: (1) (2) screwdriver; (3) T-bend socket wrench (8mm) & screwdriver;







(4) box wrench (14mm); (5) box wrench (17mm); (6) Y-bend socket wrench (12mm);







(7) special wrench





(Picture 1)



(Picture 2)



(Picture 3)



(Picture 4)



(Picture 5)



(Picture 6)

Replace Rear Shock Absorber:

- (1) Release two screws on the trim on each left and right side.....(Picture 7)
- (2) Release two screws on the left shock absorber(Picture 9)
- (3) Same as above mentions to replace the right shock absorber
- (4) Follow with the reversed steps to restore

<Tools> : (1) screwdriver ; (2) T-bend socket wrench (12mm,14mm)





(Picture 7)



(Picture 8)



(Picture 9)

(8) BRAKE HOSE FRONT & REAR

Replace Front Brake Hose:

- (1) Release three screws on the handle cover(Picture 1)
- (2) Release two screws on the right reservoir(Picture 2)
- (3) Release the screw on the brake hose of the front wheel, avoid fluid leaking to the pad(Picture 3)
- (4) Release the screw on the right side brake hose(Picture 2)
- (5) Release three screws on the front cover(Picture 4)
- (6) Cut off the band, and then pull out the hose slowly
- (7) Follow with the reversed steps to restore

<Tools> : (1) (2) screwdriver ; (3) (4) box wrench (12mm); (5) screwdriver ;





(6) diagonal cutting pliers



Three screws on the handle cover



(Picture 1)



(Picture 2)



(Picture 3)

The screw on the brake hose of the front wheel



(Picture 4)



(Picture 5)

Replace Rear Brake Hose:

- (1) Release three screws on the handle cover(Picture 1)
- (2) Release two screws on the left reservoir(Picture 5)
- (3) Release the screw on the brake hose of the rear wheel, avoid fluid leaking to the pad(Picture 6)
- (4) Release the screws on the left side brake hose(Picture 5)
- (5) Release three screws on the front cover(Picture 4)
- (6) Release six screws on the front fender(Picture 4)
- (7) Release two screws on the left trim
- (8) Cut off the band, pull out the hose slowly
- (9) Follow with the reversed steps to restore

<Tools> : (1) (2) screwdriver ; (3) (4) box wrench (12mm) ; (5) (6) (7) screwdriver ;



(8) diagonal cutting pliers





The screw on the brake hose of the rear wheel



(9) CALIPER FRONT & REAR

Replace Front Caliper:

- (1) Release three screws on the handle cover(Picture 1)
- (2) Release the screw on the front caliper, avoid fluid leaking to the pad(Picture 2)
- (3) Release the screw on the pad, and then remove the pad(Picture 2)
- (4) Release two mounting screws on the caliper(Picture 2)

<Tools>:(1) screwdriver;(2) box wrench(12mm);(3)(4)Y-bend socket wrench(12mm);



(Picture 1)



(Picture 2)

Replace Rear Caliper:

- (1) Release three screws on the handle cover(Picture 1)
- (2) Release the screw on the rear caliper, avoid fluid leaking to the pad(Picture 3)
- (3) Release the screw on the pad(Picture 3)
- (4) Release two mounting screws on the caliper(Picture 3)

<Tools>:(1) screwdriver;(2) box wrench(12mm);(3)(4) Y-bend socket wrench(12mm)



* Refuel the brake fluid and pump out the air right after replacement of the caliper.



(Picture 3)

(10) <u>CONTROLLER</u>

Replace Controller:

- (1) Release two screws on the right side trim(Picture 1)
- (2) Release the connectors of controller wire harness (black×1 \ red×1 \ black 9 pin×1 \ white 9 pin×1). Release the copper nut of throttle cable and pull it out, then you can see a small hole on the throttle pillar, put a nail through the hole so can prevent the pillar to draw back (Picture 1 & 2)
- (3) Release four screws on the controller, and cut off the band to remove the controller(Picture 1)
- (4) Follow with the reversed steps to restore

<Tools> : (1) (3) screwdriver





(Picture 1)



(Picture 2)



(Picture 3)

(11) MOTOR AND BRAKE DISK

Replace Motor:

- (1) Release the black connector of the motor cord(Picture 1)
- (2) Cut off the band

······(Picture 1)

- (3) Release three screws on the motor cord cover(Picture 1)
- (4) Release two nuts for the motor shaft(Picture 2)
- (5) Release the rear caliper so can remove the motor(Picture 3)
- (6) Follow with the reversed steps to restore
- <Tools>: (2) diagonal cutting pliers; (3) screwdriver; (4) open-end wrench (24mm);



(Picture 1)



Two nuts for the motor shaft

(Picture 2)



Two screws for the brake assy

(Picture 3)

Replace Rear Brake Disk:

- (1) Release the black connector of the motor cord
 -(Picture 1)
- (2) Cut off the band (Picture 1)
- (3) Release three screws on the motor cord cover (Picture 1)
- (4) Release two nuts for the motor shaft (Picture 2)
- (5) Release the rear caliper so can remove the motor (Picture 2)
- (6) Release three screws on the brake disk so can remove the disk
- (7) Follow with the reversed steps to restore
- <Tools>: (2) diagonal cutting pliers ; (3) screwdriver; (4) open-end wrench (24mm);



(5) Y-bend socket wrench (12mm); (6) hex-key wrench (6mm)







(Picture 4)

Replace Front Brake Disk:

- (1) Release the screw for the front axle nut to remove the front wheel(Picture 5)
- (2) Release three screws on the disk
- (3) Follow with the reversed steps to restore

<Tools>: (1) box wrench (17mm); (2) hex-key wrench (6mm)





(Picture 5)



(Picture 6)

(12) <u>REAR LIGHT ASSY</u>

Replace Rear Light:

Release three screws on the tail comp

······(Picture 1)

- (1) Release four screws on the trim on each left and right side(Picture 2)
- (3) Release the screw on the center cover(Picture 3)
- (4) Release three screws on the side cover on each left and right side(Picture 2)
- (5) Release two screws on the tail fender(Picture 2)
- (6) Follow with the reversed steps to restore

<Tools>: (1) hex-key wrench (6mm) & Y-bend socket wrench (10mm);





(2) (3) (4) screwdriver ; (5) T-bend socket wrench (10mm)







(Picture 2)



(Picture 3) Replace the bulb for Rear Lamp & Signal Light:

- (1) Release two screws on the rear lamp cover(Picture 2)
- (2) Remove the cover so can replace the bulb.....(Picture 4)
- (3) Follow with the reversed steps to restore
- <Tools> : (1) screwdriver





(Picture 4)

EVT-4000e Trouble Shooting and Repair

Conditions		Inspect		Repair
Display Panel indicator light is working, but	1.	The power will cut off while braking.	1.	Release the brake and then gently twisting
there is no move while twisting throttle.	2.	Brake switch breakdown		throttle
	3.	Check Controller cable is fixed	2~0	6.See your agent
	4.	Check Motor cable is fixed		
	5.	Motor breakdown		
	6.	Controller breakdown		
Display Panel indicator light is not working or	1.	Has the fuse blown	1.	Remove the fuse and replace or see your agent
no starting beep sound while you turn the	2.	Serious insufficient energy left	2.	Recharge battery
switch to the "ON" position.	3.	Key switch breakdown	3~′	7.See your agent
	4.	Check main switch cable is fixed		
	5.	Controller breakdown		
	6.	Display panel breakdown		
	7.	The starting beeper breakdown.		
The first red light blinking (1)	1.	Serious insufficient energy left	1.	Recharge battery immediately
	2.	The battery is aged or useless	2.	Replace the battery
The second yellow light blinking (2)	1.In	sufficient energy left	1.R	Recharge battery
			(Tł	ne power cut off while driving, please switch the
			pov	wer to "OFF" position, and wait for several
			miı	nutes then restart You may still drive a short
			dis	tance.)
The third green light blinking while driving	1.	Over current	1.	Switch the power to "OFF" position, and wait
(3)	2.	Controller breakdown		for few seconds to restart.
			2.	See your agent
The fourth green light blinking (4)	1.	Throttle stuck	1.	See your agent
	2.	Twisting throttle to pull away before	2.	Switch the power to "OFF" position, and wait
		the panel indicator stop blinking or		for few seconds to restart
		the starting beep sound stop	3.	.See your agent
	3.	Controller breakdown		
The OH indicator blinking	1.	Controller over heat	1.	Switch the power to "OFF" position, and wait
	2.	Controller breakdown		for several minutes than restart.
			2.	See your agent
	1			
Charging indicator is not lit	1.	Are the outlet and inlet plugged	1.	Pull out and insert again or change outlet
Charging indicator is not lit	1.	Are the outlet and inlet plugged secure?	1.	Pull out and insert again or change outlet

Instrument Panel (Trouble Shooting and Repair)

