karma

Maintenance Manual

KS-7 Series

☐KS-737.2 ☐KS-737.2L ☐KS-747.2

CE ISO 9001

Introduction

This manual contains basic detail information about the disassembly and replacement for KS-7 series to enable Karma's authorized dealers to provide better after service. It is not intended to be a comprehensive maintenance guide or provide detail assembly/disassembly of the products. The parts and names may be different from countries to countries due to the area difference and customers' spec selection. The step, therefore, may be not the same. If you need to inquire more detail information, please contact Karma. Karma reserves the rights to modify the contents without prior notification.

1. This scooter is designed and manufactured by:
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2. For after service, including repairs, service and spare parts demand, please contact the dealer's shop where you purchased the products.

3. Please quote the following information at all times:
   - Part section and Part number

- Part name/ Description
- Quantity required

4. Warranty Policy- Do use the parts provided by Karma to meet the requirement of product quality and warranty policy. For more details, please refer to the Owner's Manual / Distribution Contract.

5. Technical Data

5.1 Limited Loading Weight

- KS-737.2 & KS-747.2: 135 kg
- KS-737.2L: 160 kg

For more details of technical data, please refer to the Owner's Manual.

6. Accessories

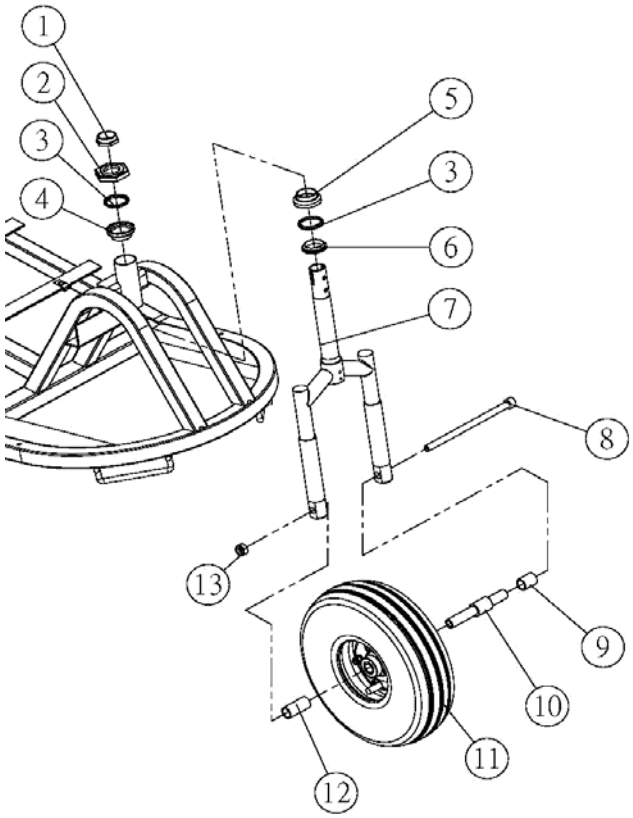
- Scooter Cover
- Crutch Holder
- Walker Holder
- Canopy

Table of Content

1. Front Wheel

1.1 KS-737 Front Wheel

Figure 1.1



1. M20 Upper Bearing Cap
2. Upper Bearing Adjustment Ring
3. Bearing
4. Top Bearing Seat
5. Bottom Bearing Cap
6. Bottom Bearing Seat
7. Front Wheel Fork
8. M10 Hex Socket Head Cap Screw
9. Spacer (24 mm)
10. Front Wheel Axle
11. Front Tire Assembly (of Smaller Inch)
12. Spacer (41 mm)
13. M10 Nylon Insert Hex Nut

Requirements:

-8 mm L-shaped Allen key

-17 mm box wrench

-30 mm open end wrench

Instructions of Disassembly & Maintenance:

1.1.1 Use the 8 mm L-shaped Allen key and the 17 mm box wrench to remove (8) and (13). The, the the front wheel assembly can be removed.

1.1.2 Use the 30 mm open end wrench to remove M20 upper bearing cap (1). Remove these parts (2, 3, 4, 5, and 6) in sequence starting from (2).

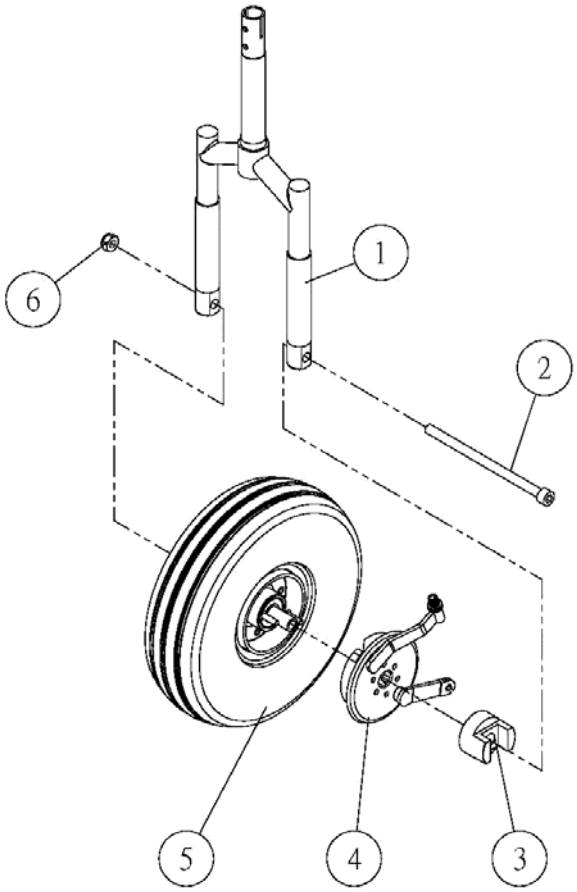
1.1.2 Re-assembly is done in reverse order.

Inspection Points:

- When the front wheel assembly has been assembled to the front fork, a certain amount of free space shall be reserved for its movement to avoid too much friction.
- When the assmbly is completed, the chassis should not wobble.
- Check the bearing for any damage. After assembling this part, make sure that it's tightened and not loose.

1.2 KS-737.2L Front Wheel

Figure 1.2



1. Front Wheel Fork
2. M10 Hex Socket Head Cap Screw
3. Fixing Block of Drum Brake
4. Drum Brake Assembly
5. Front Wheel Assembly
6. M10 Nylon Insert Hex Nut

Requirements:

-8 mm L-shaped Allen key

-17 mm box wrench

Instructions of Disassembly & Maintenance:

1.2.1 Use the 8 mm L-shaped Allen key and the 17 mm box wrench to remove (2) and (6). Remove these parts (3, 4, and 5) in sequence starting from (3) to remove the front wheel assembly.

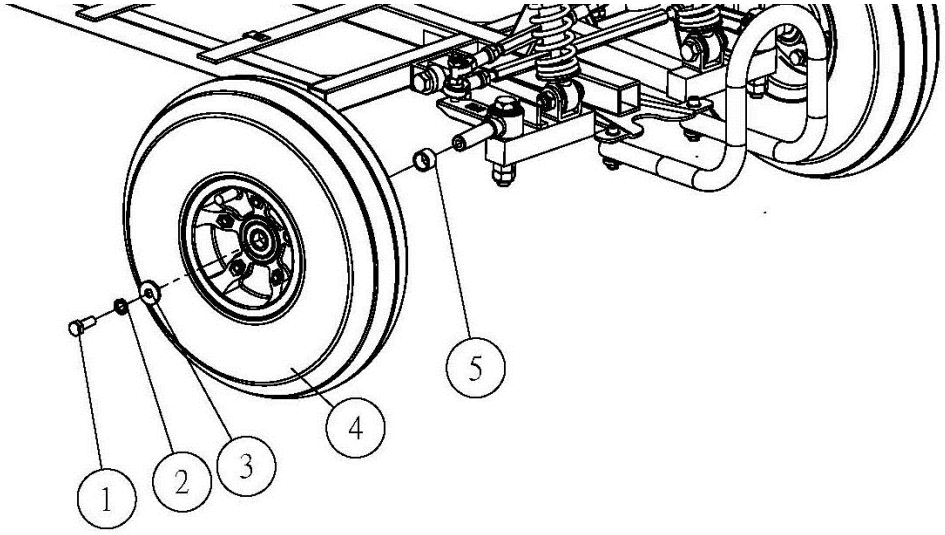
1.2.2 Re-assembly is done in reverse order.

Inspection Points

- When the front wheel assembly has been assembled to the front fork, a certain amount of free space shall be reserved for its movement to avoid too much friction.
- When the assmbly is completed, the chassis should not wobble.

1.3 KS-747.2 Front Wheels

Figure 1.3



1. M8 Hex Head Bolt
2. M8 Spring Washer
3. M8 Flat Washer
4. Front Wheel Assembly (of Larger Inch)
5. Sleeve

Requirements:

-13 mm socket wrench

Instructions of Disassembly & Maintenance:

1.3.1 Use the 13 mm socket wrenchto remove (1). Remove (2 and 3) in sequence, and the front wheel assembly can be removed from the side.

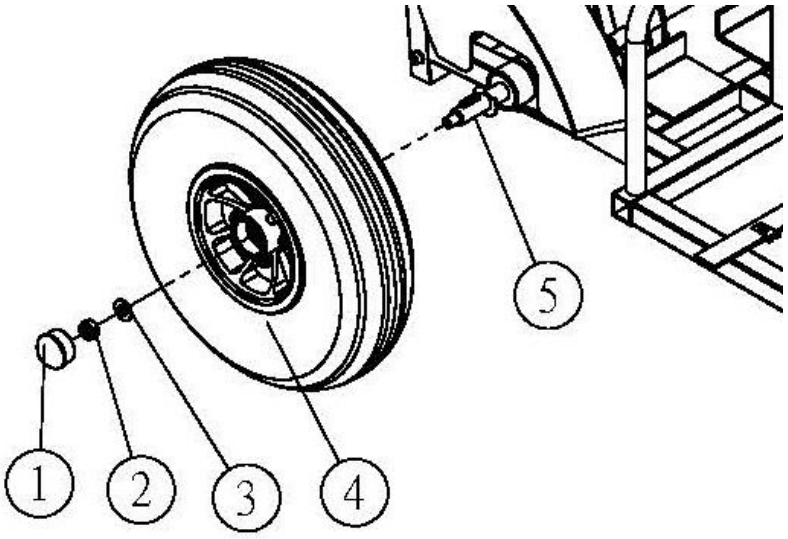
1.3.2 Re-assembly is done in reverse order.

Inspection Points:

- All bolts and screws should be well-aligned and tightened properly.
- When the bolts or screws are damaged, replace them with new ones.

2. Rear Wheels

Figure 2.1



1. Tube Plug-Black
2. M10 Nylon Insert Hex Nut
3. M10 Flat Washer
4. Rear Wheel Assembly
5. Differential of Motor

Requirements:

-17 mm box wrench

Instructions of Disassembly & Maintenance:

2.1 Remove the tube plug (1). Use the 17 mm box wrench to remove (2). Remove (3), and the rear wheel can be replaced.

2.2 Re-assembly is done in reverse order. (Attention: DO equip the parallel key of the motor output shaft.

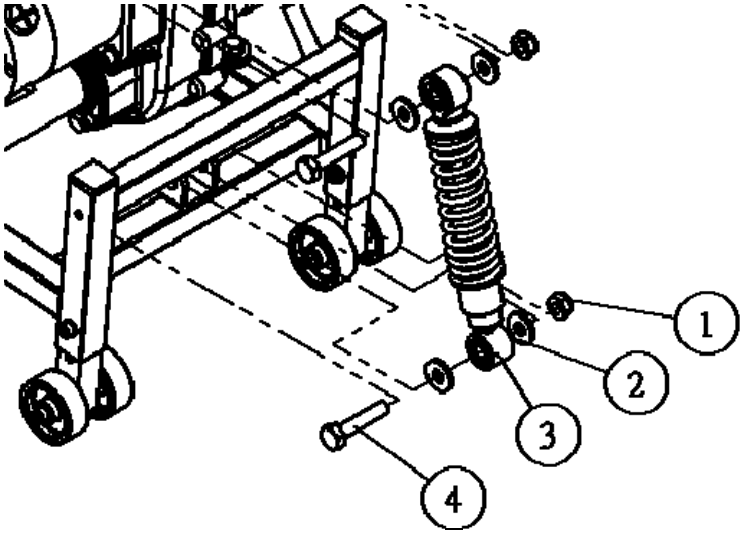
Inspection Points:

- After the rear wheels are assembled to the chassis, the wheels should be able to rotate smoothly, cause no friction, and have no interference with other parts. After the assembly is completed, the chassis should not wobble.
- It is a must that the parallel key of the motor output shaft is assembled. Check if it operates properly when the freewheel lever is engaged and released.

3. Shock Absorber

3.1 KS-737.2 Shock Absorber

Figure 3.1



1. M10 Nylon Insert Hex Nut
2. M10 Flat Washer
3. Rear Shock Absorber
4. M10 Hex Head Bolt

Requirements:

-Two 17 mm box wrenches

Instructions of Disassembly & Maintenance:

3.1.1 Use two 17 mm box wrenches to remove (1) and (4). After removing (2), the shock abosorber can be removed.

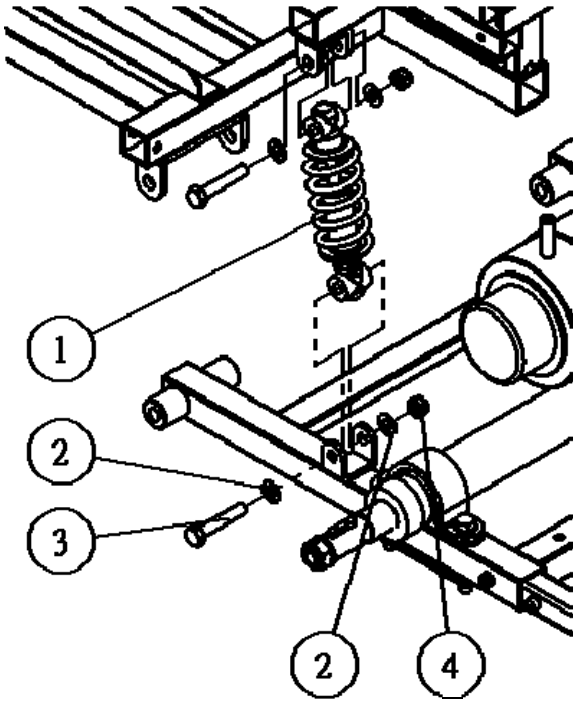
3.1.2 Re-assembly is done in reverse order.

Inspection Points:

- Check if the spring rate and the wire diameter of the new shock absorber are identical with the original part.
- Ensure that the adjustment knob is tightened.
- All bolts and screws should be well-aligned

3.2 KS-737.2L Shock Absorber

Figure 3.2



1. Rear Shock Absorber
2. M8 Flat Washer
3. M8 Hex Head Bolt
4. M8 Nylon Insert Hex Nut

Requirements:

-Two 13 mm box wrenches

Instructions of Disassembly & Maintenance:

3.2.1 Use two 13 mm box wrenches to remove (3) and (4). After removing (2), the shock abosorber can be removed.

3.2.2 Re-assembly is done in reverse order.

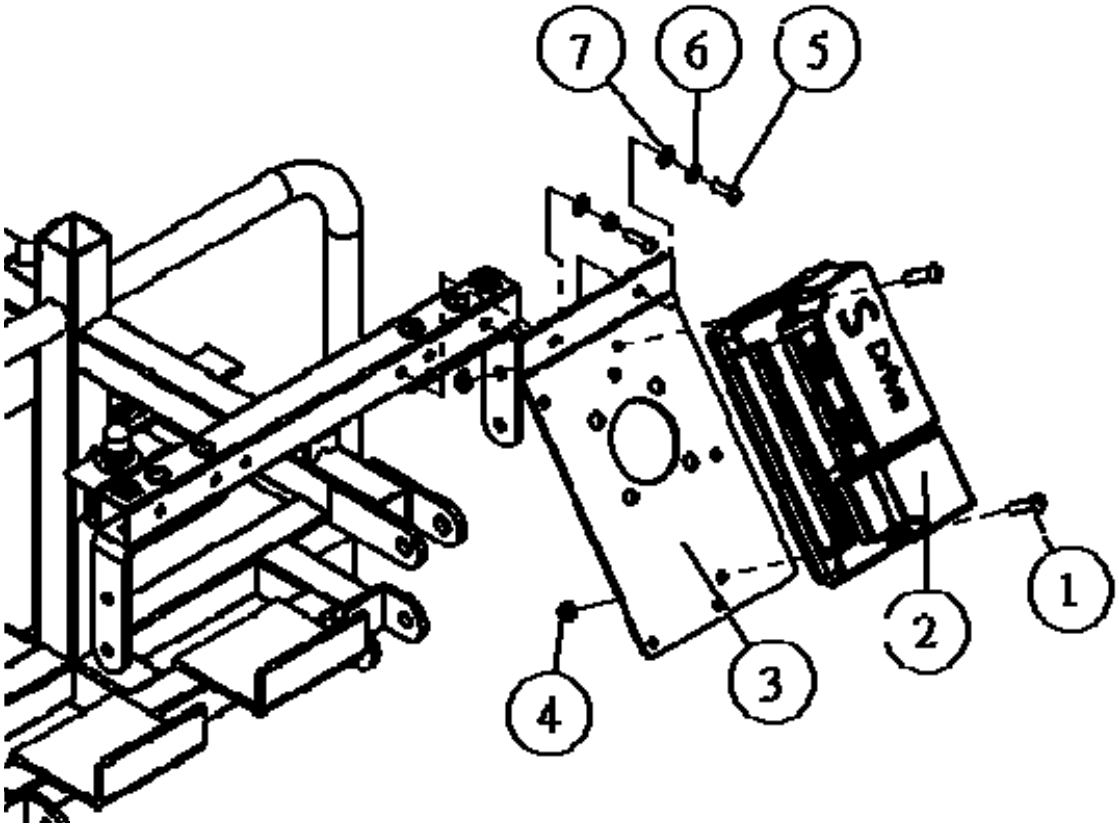
Inspection Points:

- Check if the spring rate and the wire diameter of the new shock absorber are identical with the original part.
- Ensure that the adjustment knob is tightened.
- All bolts and screws should be well-aligned

4. Controller

4.1 KS-737.2 Controller

Figure 4.1



1. M5 Flat Head Socket Cap Screw (25 mm)
2. S-Drive120 Controller
3. Mounting Plate of Central Relay Box
4. M5 Nylon Insert Hex Nut
5. M5 Flat Head Socket Cap Screw (16 mm)
6. M5 Spring Washer
7. M5 Flat Washer

Requirements:

-3 mm L-shaped Allen key

-7 mm box wrench

Instructions of Disassembly & Maintenance:

4.1.1 Use the 3 mm L-shaped Allen key to remove (5), Then (6)and (7) can be removed.

4.1.2 Use the 3 mm L-shaped Allen key and the 7 mm box wrench to remove part (1) and (4), then the controller can be removed.

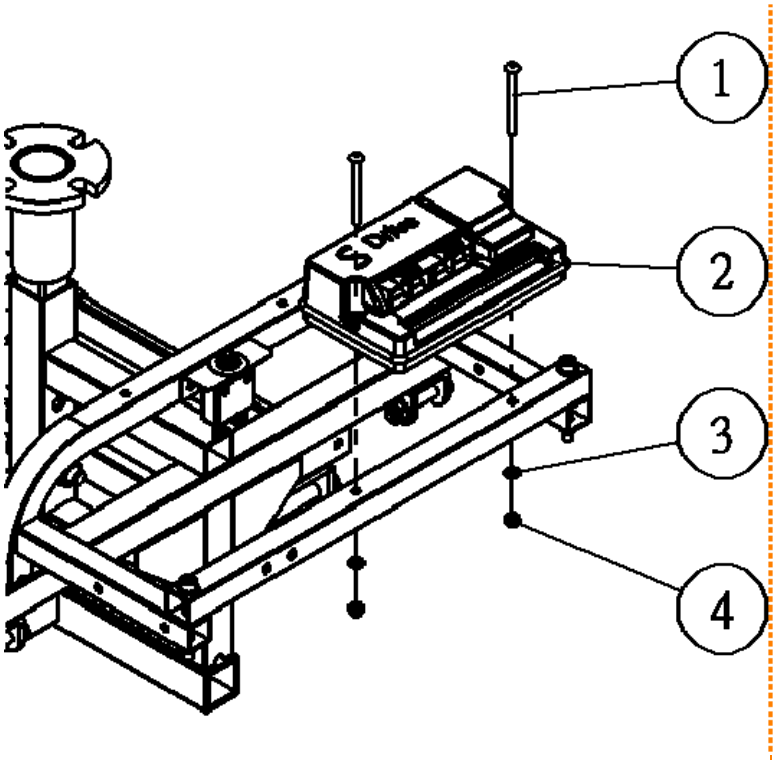
4.1.3 Re-assembly is done in reverse order.

Inspection Points:

- After the re-assembly, the cables should be plugged in properly.
- The cables and cable ties should be arranged as the original. DO NOT modify it.

4.2 KS-737.2L Controller

Figure 4.2



1. M5 Flat Head Socket Cap Screw
2. S-Drive 120 Controller
3. M5 Flat Washer
4. M5 Nylon Insert Hex Nut

Requirements:

- 3 mm L-shaped Allen key
- 8 mm box wrench

Instructions of Disassembly & Maintenance:

4.2.1 Use the 3 mm L-shaped Allen key and the 8 mm box wrench to remove (1) and (4), then (3) and the controller can be removed.

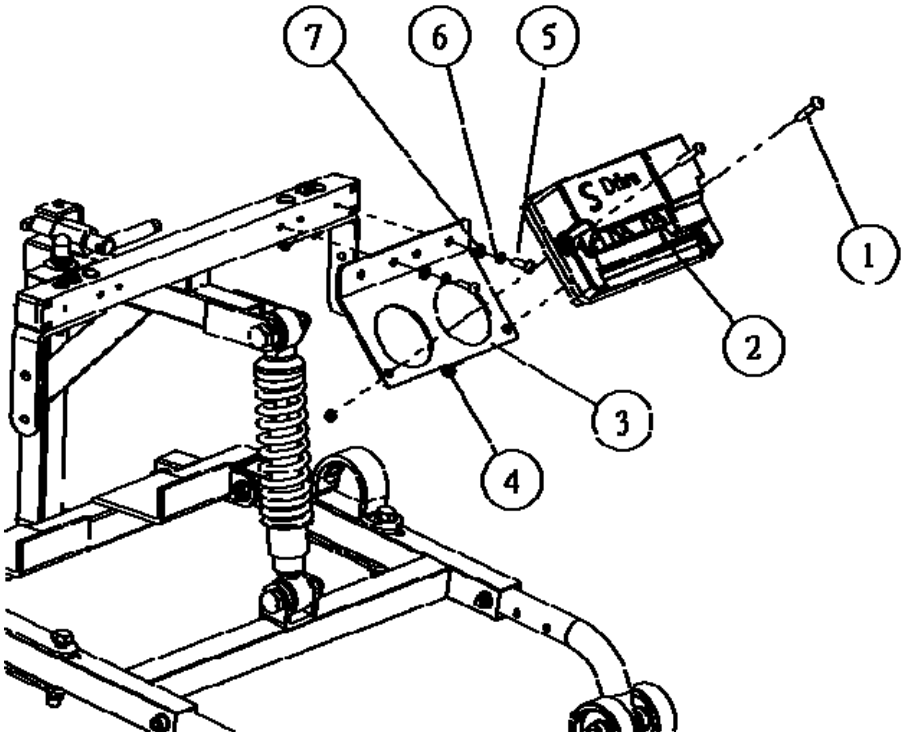
4.2.2 Re-assembly is done in reverse order.

Inspection Points:

- ●After the re-assembly, the cables should be plugged in properly.
- ●When the assmbly is completed, the chassis should not wobble.
- ●The cables and cable ties should be arranged as the original. DO NOT modify it.

4.3 KS-747.2 Controller

Figure 4.3



1. M5 Flat Head Socket Cap Screw (25 mm)
2. S-Drive120 Controller
3. Mounting Plate of Central Relay Box
4. M5 Nylon Insert Hex Nut
5. M5 Flat Head Socket Cap Screw (16 mm)
6. M5 Spring Washer
7. M5 Flat Washer

Requirements:

- 3 mm L-shaped Allen key
- 7 mm box wrench

Instructions of Disassembly & Maintenance:

4.3.1 Use the 3 mm L-shaped Allen key to remove (5). Then, (6) and (7) can be removed.

4.3.2 Use the 3 mm L-shaped Allen key and the 7 mm box wrench to remove (1) and (4), and the controller can be removed.

4.3.3 Re-assembly is done in reverse order.

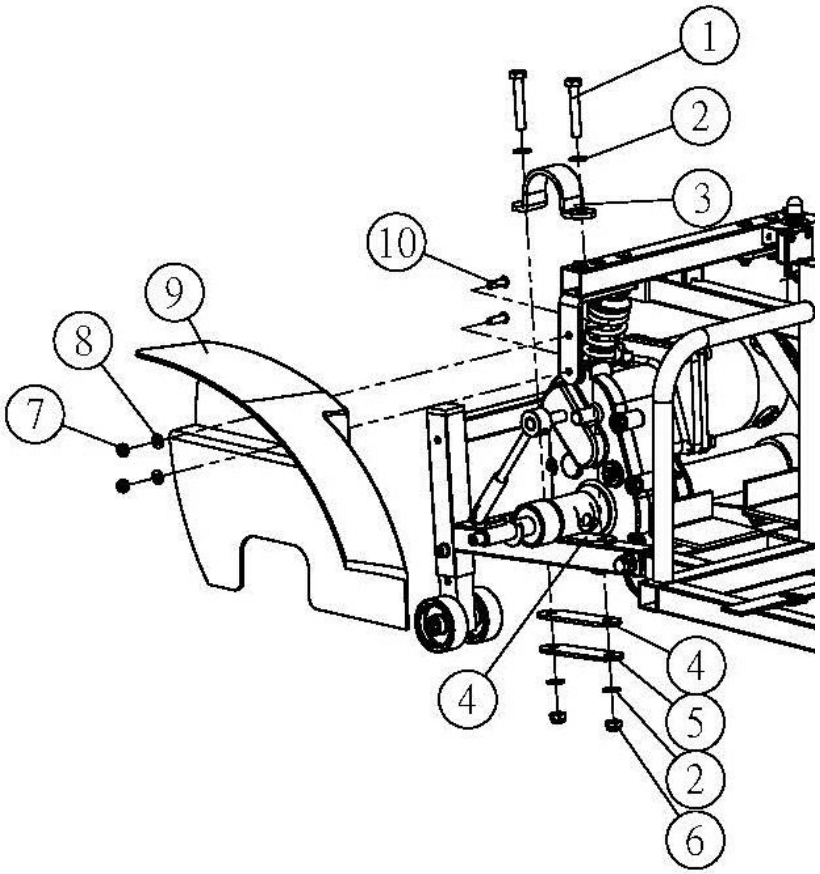
Inspection Points:

- ●After the re-assembly, the cables should be plugged in properly.
- ●The cables and cable ties should be arranged as the original. DO NOT modify it.

5. Motor Differential

5.1 KS-737.2 Motor Differential

Figure 5.1



1. M8 Hex Head Bolt
2. M8 Flat Washer
3. Retaining Ring of Differential
4. Orange Rubber Pad
5. Reinforcement Plate of Retaining Ring
6. M8 Nylon Insert Nut
7. M6 Nylon Insert Hex Nut
8. M6 Flat Washer
9. Mud Guard
10. M6 Flat Head Socket Cap Screw

Requirements:

- 4 mm L-shaped Allen key
- 10 mm box wrench
- 13 mm box wrench

Instructions of Disassembly & Maintenance:

5.1.1 Fisrt, remove the rear wheels refering to previous section.

5.1.2 Use the 4 mm L-shaped Allen key and the 10 mm box wrench to remove (7) and (10). Then, remove (8) and (9)

5.1.3 Use the 13 mm box wrench to remove (1) and (6) at both the left and the right sides. Remove (2, 3, 4, and 5) in sequence, and remove the differential of the motor from the side.

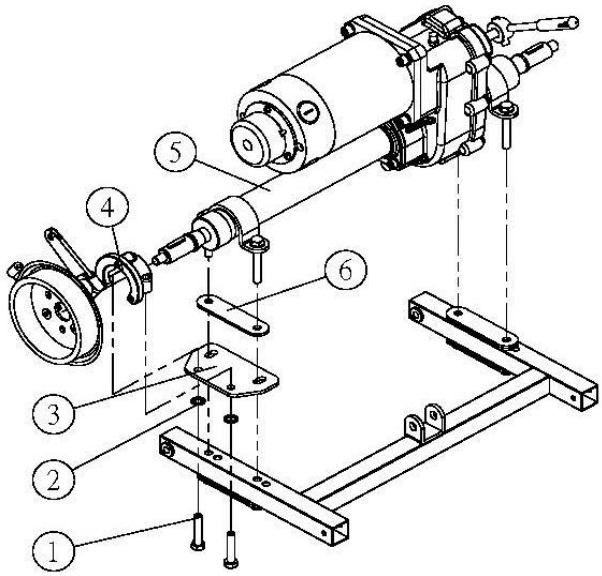
5.1.4 Re-assembly is done in reverse order.

Inspection Points:

- The differential of the motor should be seated inside the frame and is not loose.

5.2 KS-747.2 Motor Differential

Figure 5.2



1. M8 Hex Head Bolt
2. M8 Internal Tooth Lock Washer
3. Retaining Plate of Brake
4. Retaining Ring of Brake
5. Motor Differential Assembly
6. Orange Rubber Pad

Requirements:

-Two 13 mm box wrenches

Instructions of Disassembly & Maintenance:

5.2.1 Remove the rear wheels assembly and the differential of the motor refering to the previous sections.

5.2.2 Use the 13 mm box wrenches to remove (1). Then remove (2) and (3) in sequence, then the differential of the motor can be removed.

5.2.3 Re-assembly is done in reverse order.

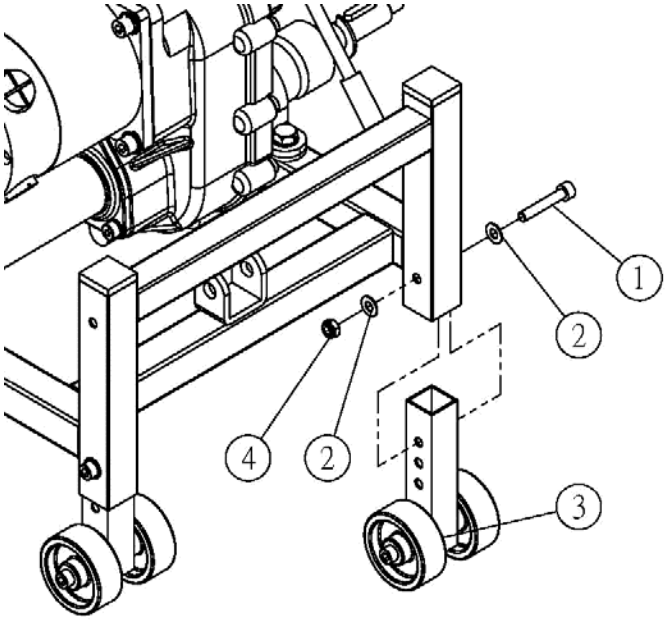
Inspection Points:

- The motor should be seated in the frame properly.
- All bolts and nuts are tightened. Loose bolts could cause injury.

6. Anti-Tipper

6.1 KS-737.2 Anti-Tipper

Figure 6.1



1. M6 Hex Socket Head Cap Screw
2. M6 Flat Washer
3. Anti-Tipper Assembly
4. M6 Nylon Insert Hex Nut

Requirements:

-5 mm L-shaped Allen key

-10 mm box wrench

Instructions of Disassembly & Maintenance:

6.1.1 Use the 5 mm L-shaped Allen key and the 10 mm box wrench to remove (1) and (4). Then, remove (2). The anti-tipper can be adjusted.

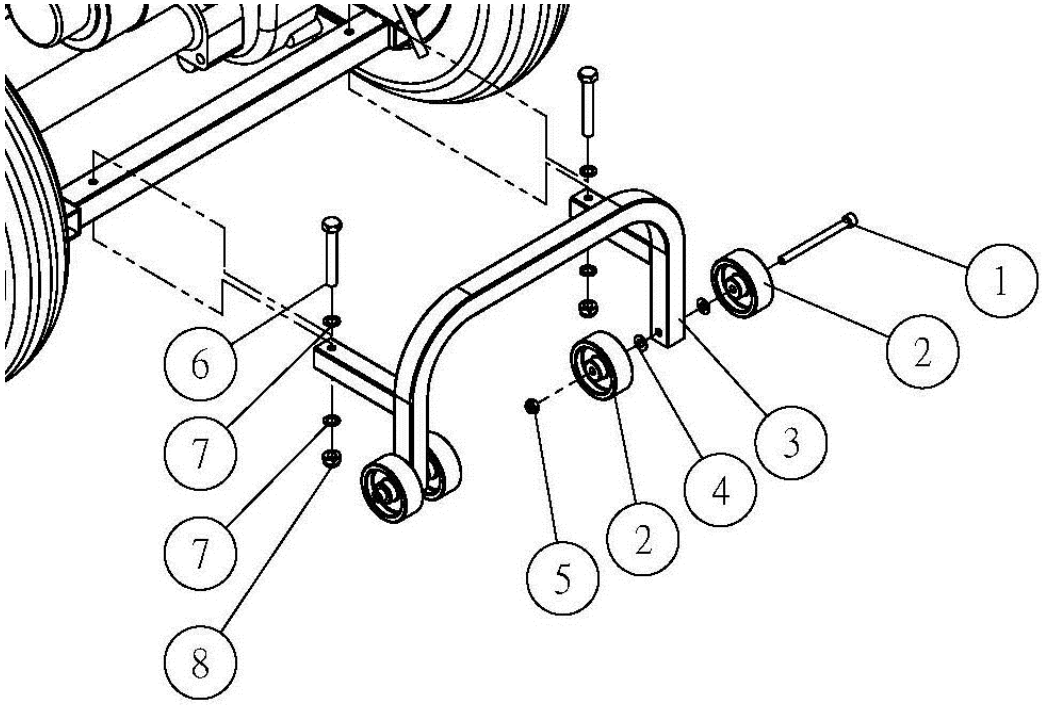
6.1.2 Re-assembly is done in reverse order.

Inspection Points:

- All screws are tightened, and both the anti-tipper wheels have the same height.

6.2 KS-737.2L Anti-Tipper

Figure 6.2



1. M6 Hex Socket Head Cap Screw
2. 2” Anti-Tipper Wheel
3. M6 Flat Washer
4. Anti-Tipper Assembly
5. M6 Nylon Insert Hex Nut
6. M8 Hex Head Bolt
7. M8 Flat Washer
8. M8 Nylon Insert Hex Nut

Requirements:

-5 mm L-shaped Allen key

-10 mm box wrench

-Two 13 mm box wrenches

Instructions of Disassembly & Maintenance:

6.2.1 Use the 5 mm L-shaped Allen key and the 10 mm box wrench to remove (1) and (5). Then, remove (2) and (3). The anti-tipper can be replaced.

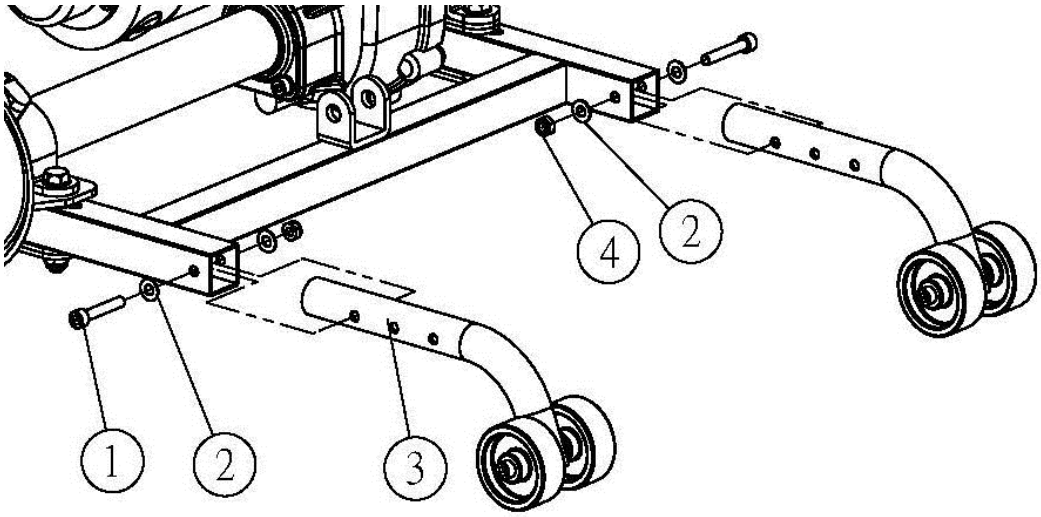
6.2.2 Use the two 13 mm box wrenches to remove (6) and (8). Then, remove (7). The anti-tipper assembly can be removed.

Inspection Points:

- When the anti-tippers have been equipped, they should be able to rotate freely, cause no friction, and have no interference with other parts.
- The anti-tippers are screwed locked to the bottom of the chassis, and all bolts and screws should be well-aligned.

6.3 KS-747.2 Anti-Tipper

Figure 6.3



1. M6 Hex Socket Head Cap Screw
2. M6 Flat Washer
3. Ant-Tippers Assembly
4. M6 Nylon Insert Hex Nut

Requirements:

-5 mm L-shaped Allen key

-10 mm box wrench

Instructions of Disassembly & Maintenance:

6.3.1 Use the 5 mm L-shaped Allen key and the 10 mm box wrench to remove (1) and (4). Then, remove (2). The anti-tipper can be adjusted.

6.3.2 Remove the anti-tipper from the side.

6.3.3 Re-assembly is done in reverse order.

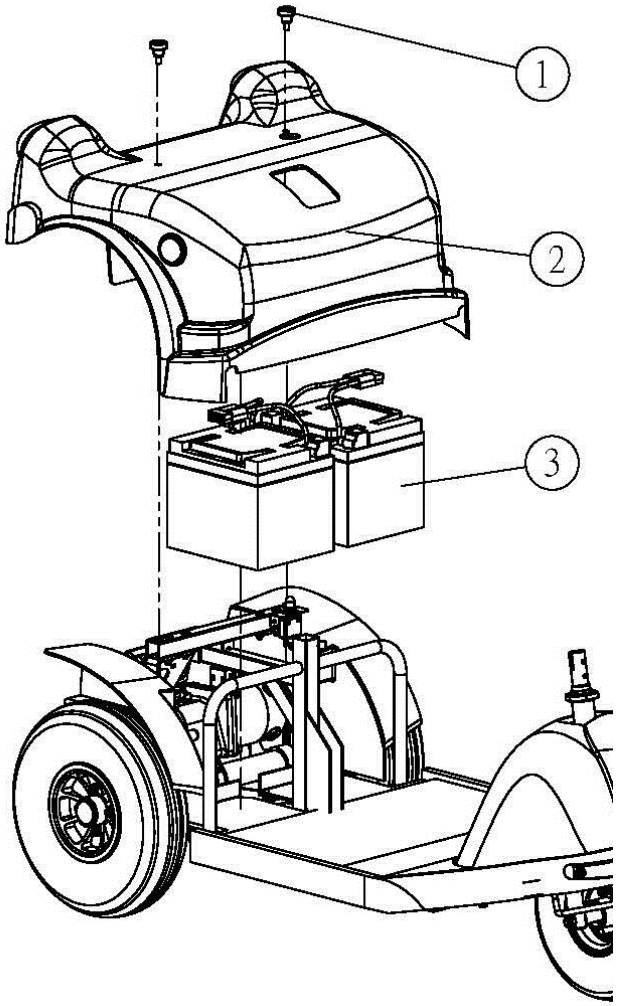
Inspection Points:

- All bolts and screws should be well-aligned when they are tightened.
- The bolts tightened at both the left and the right sides should be parallel and identical.

7. Rear Casing and Battery

7.1 KS-737.2 Rear Casing and Batteries

Figure 7.1



1. Straight Grain Small Knob (HK25M615)
2. Rear Casing Assembly
3. Battery Assembly

Instructions of Disassembly & Maintenance:

7.1.1 Loosen (1) with one hand and remove (2). Unfasten the Velcro straps which fix the batteries, and the batteries can be replaced.

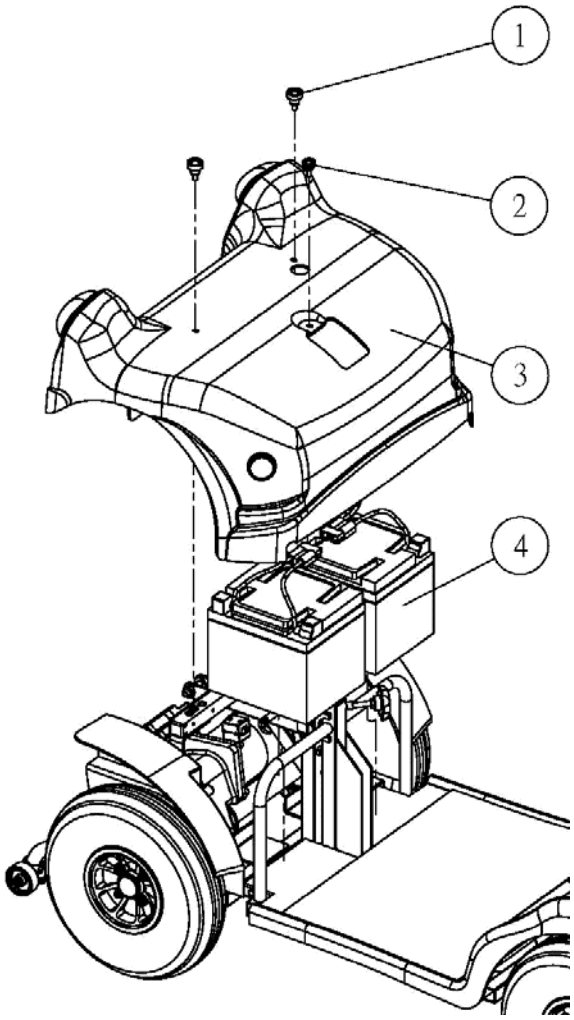
7.1.2 Re-assembly is done in reverse order.

Inspection Points:

- The batteries are fastened with Velcro straps, and the cables are plugged in properly.
- The rear casing should be tightened.

7.2 KS-747.2 Rear Casing and Batteries

Figure 7.2



1. Straight Grain Small Knob (HK25M615)
2. Straight Grain Small Knob (HK20M615)
3. Rear Casing
4. Batteries

Instructions of Disassembly & Maintenance:

7.2.1 Loosen (1) and (2) with one hand and remove (3). Unfasten the Velcro straps which fix the batteries, and the batteries can be replaced.

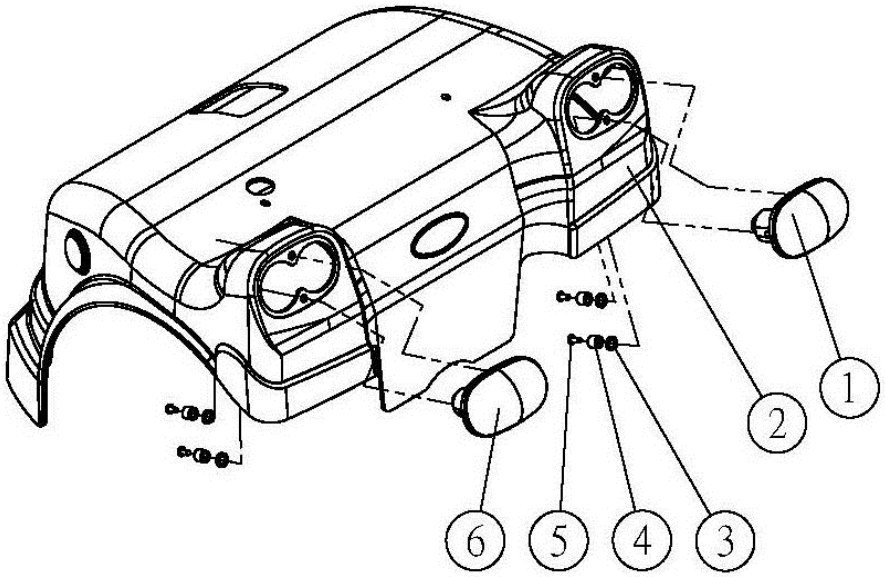
7.2.2 Re-assembly is done in reverse order.

Inspection Points:

- The batteries are fastened with Velcro straps, and the cables are plugged in properly.
- The rear casing should be tightened.

8. Rear Casing

Figure 8.1



1. Transparent Turn Signal Light
2. Rear Casing
3. M8 Spring Washer
4. Nut of Backrest Tube Base
5. M4 Flat Head Phillips Self Tapping Screw

Requirements:

-Phillips screwdriver

Instructions of Disassembly & Maintenance:

8.1 Loosen the rear casing and the batteries refering to the previous sections.

8.2 Use the Phillips screwdriver to remove (5). Remove (4) and (3) in sequence. Then, the rear lights can be removed.

8.3 Re-assembly is done in reverse order.

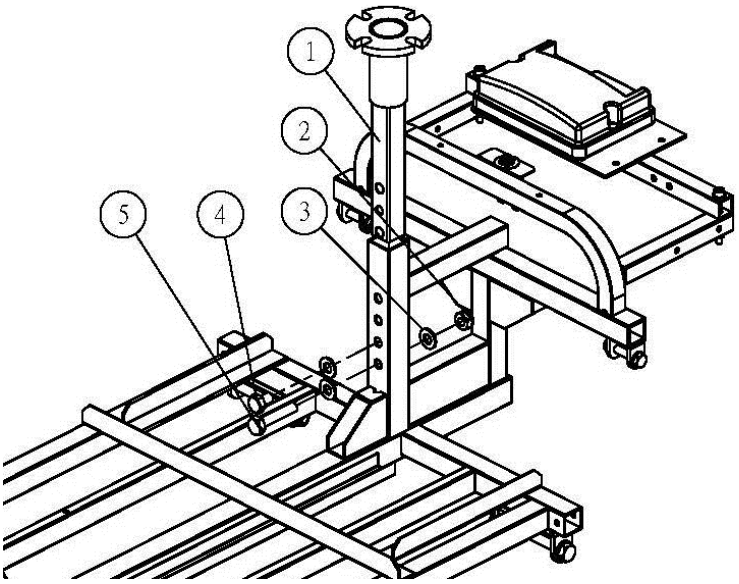
Inspection Points:

- The rear casing and the lights should be tightened, and test if they function properly.

9. Seat

9.1 KS-737.2L Seat

Figure 9.1



1. Seat Lift Assembly
2. M10 Nylon Insert Hex Nut
3. M10 Flat Washer
4. M10 Hex Head Bolt (16 mm)
5. M10 Hex Head Bolt (50 mm)

Requirements:

-Two 17 mm box wrenches

Instructions of Disassembly & Maintenance:

9.1.1 Press the seat swivel lever to lift the seat up, and the seat can be removed.

9.1.2 Use two 17 mm box wrenches to remove (2, 4, and 5). Remove (3) in sequence and then the seat height can be adjusted.

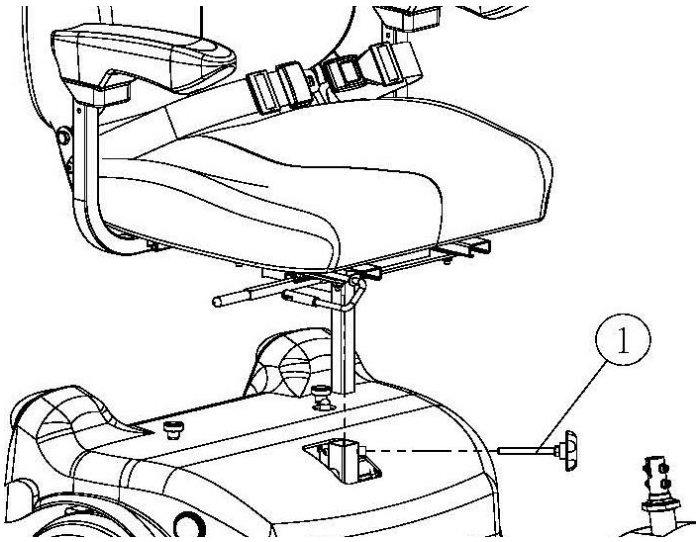
9. 1.3 Re-assembly is done in reverse order.

Inspection Points:

●All bolts and screws should be well-aligned when being tightened.

9.2 KS-737.2L Seat

Figure 9.2



1. Knob Bolt

Instructions of Disassembly & Maintenance:

9.2.1 Untighten (1) with one hand and the seat can be removed or the seat height can be adjusted.

9.2.2 Re-assembly is done in reverse order.

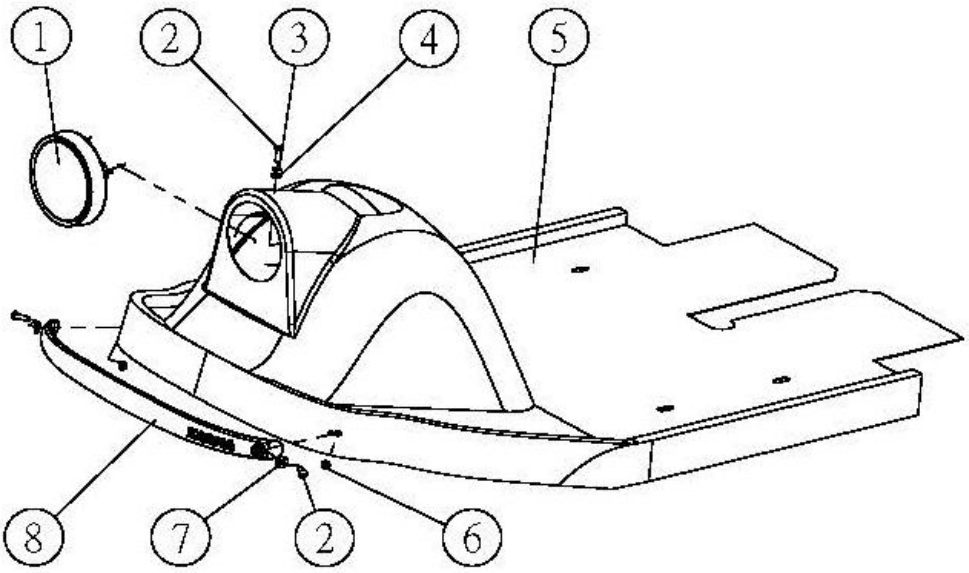
Inspection Points:

- The knob bolt should be tightened. Before the user sitting on the seat after re-assembly, check if the seat is loose. If it is loose, re-tighten before use.

10. Headlight

10.1 KS-737 Headlight

Figure 10.1



1. Headlight
2. M5 Flat Head Socket Cap Screw
3. M5 Spring Washer
4. M5 Flat Washer
5. Front Casing
6. M5 Nylon Insert Hex Nut
7. M6 Flat Washer
8. Long Bumper Protection Strip

Requirements:

-3 mm L-shaped Allen key

-8 mm box wrench

Instructions of Disassembly & Maintenance:

10.1.1 Use the 3 mm L-shaped allen key to remove (2). Remove (3 and 4), and then the headlight can be replaced.

10.1.2 Use the 3 mm L-shaped allen keyand the 8 mm box wrench to remove (2 and 6). Remove (7) to remove the long bumper protection strip.

10.1.3 Re-assembly is done in reverse order.

Inspection Points:

- The screws should be tightened.
- The casing should be screw locked with alignment to the round holes on the casing, and tightened.
- The cables and cable ties should be arranged as the original. DO NOT modify it.

10.2 KS-747.2 Headlight

Figure 10.2

1. Phillips Self Tapping Screw
2. Phillips Self Tapping Screw

Requirements:

-Phillips screwdriver

Instructions of Disassembly & Maintenance:

10.2.1 Use the Phillips screwdriver to remove (1), and remove the light base.

10.2.2 Use the Phillips screwdriver to remove (2). Carefully remove the light bulb. Then, the headlight can be removed.

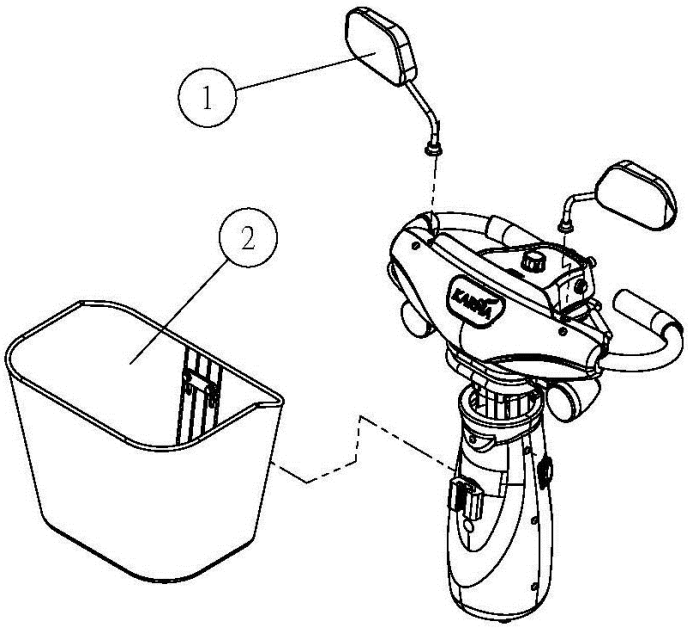
10.2.3 Re-assembly is done in reverse order.

Inspection Points:

- The screws should be tightened.
- The casing should be screw locked with alignment to the round holes on the casing, and tightened.

11. Rear View Mirror and Basket

Figure 11.1



1. Rear-View Mirror
2. Basket

Requirements:

-13 mm box wrench

Instructions of Disassembly & Maintenance:

11.1 Use the 13 mm box wrench to remove (1).

11.2 Remove the basket by lifting the basket up with two hands.

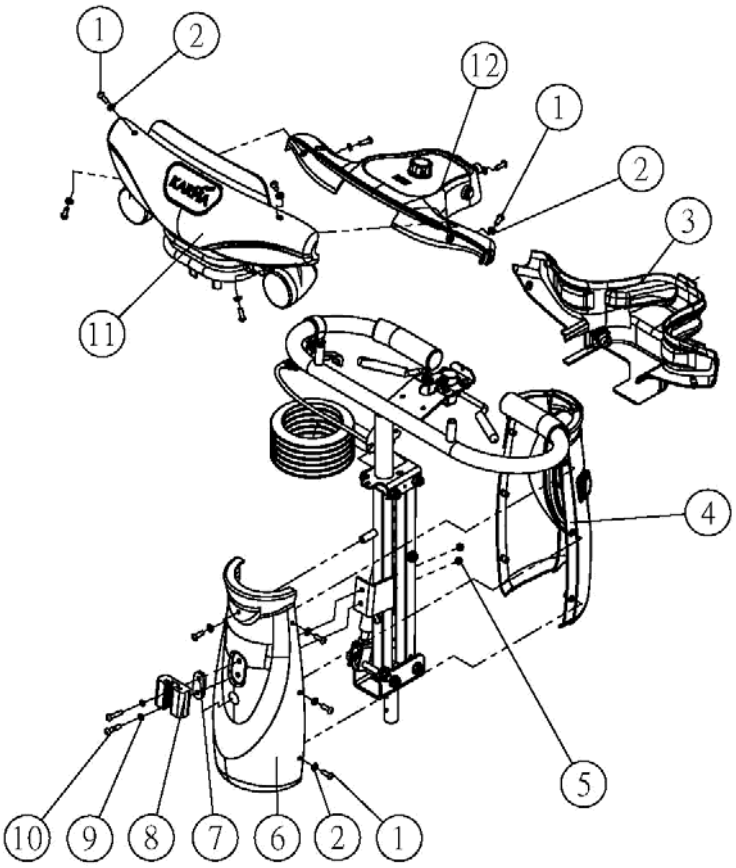
11.3 Re-assembly is done in reverse order.

Inspection Points:

- The rear-view mirrors should be tightened, and the angle should be adjusted to fit the user's view.
- The casing should be screw locked with alignment to the round holes on the casing, and tightened.
- The basket should be locked firmly with the hook.

12. Steering Column

Figure 12.1



1. M5 Flat Head Socket Cap Screw (16 mm)
2. M5 Plastic Washer
3. Bottom Casing Complete of Steering Column
4. Rear Casing Complete of Steering Column
5. M5 Nylon Insert Hex Nut
6. Front Bottom Casing of Steering Column
7. Fixing Plate of Front Bottom Casing
8. Hook for Basket Mounting
9. M5 Spring Washer
10. M5 Flat Head Socket Cap Screw (25 mm)
11. Nameplate Casing
12. Top Casing Assembly of Steering Column

Requirements:

-3 mm L-shaped Allen key

-8 mm box wrench

Instructions of Disassembly & Maintenance:

12.1 Use the 3 mm L-shaped Allen key to remove (1) and remove (2). Then, the nameplate casing, top casing assembly, bottom casing complete, and rear casing complete can all be removed.

12.2 Use the 3 mm L-shaped Allen key and the 8 mm box wrench to remove (5) and (10). Then, remove (9, 8, and 7) in sequence. The front bottom casing of steering column can be removed.

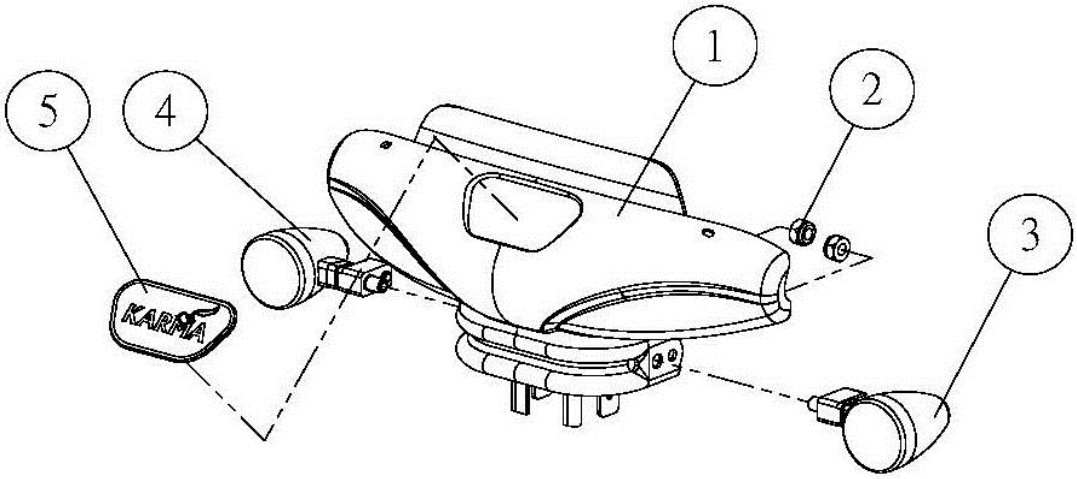
12.3 Re-assembly is done in reverse order.

Inspection Points:

- Do not modify the positions of the cable ties.
- The casing should be screw locked with alignment to the round holes on the casing, and tightened. It should not be loose after assembly.

13. Turn Signal Light

Figure 13.1



1. Front Top Casing of Steering Column
2. M10 Nylon Insert Hex Nut
3 & 4. Turn Signal Lights
5. Soft Polyester Name Plate

Requirements:

-17 mm box wrench

Instructions of Disassembly & Maintenance:

13.1 Use the 17 mm box wrench and detach the pins to remove it. Do not over pull the wires.

13.2 Remove the light cover by opening it from the side.

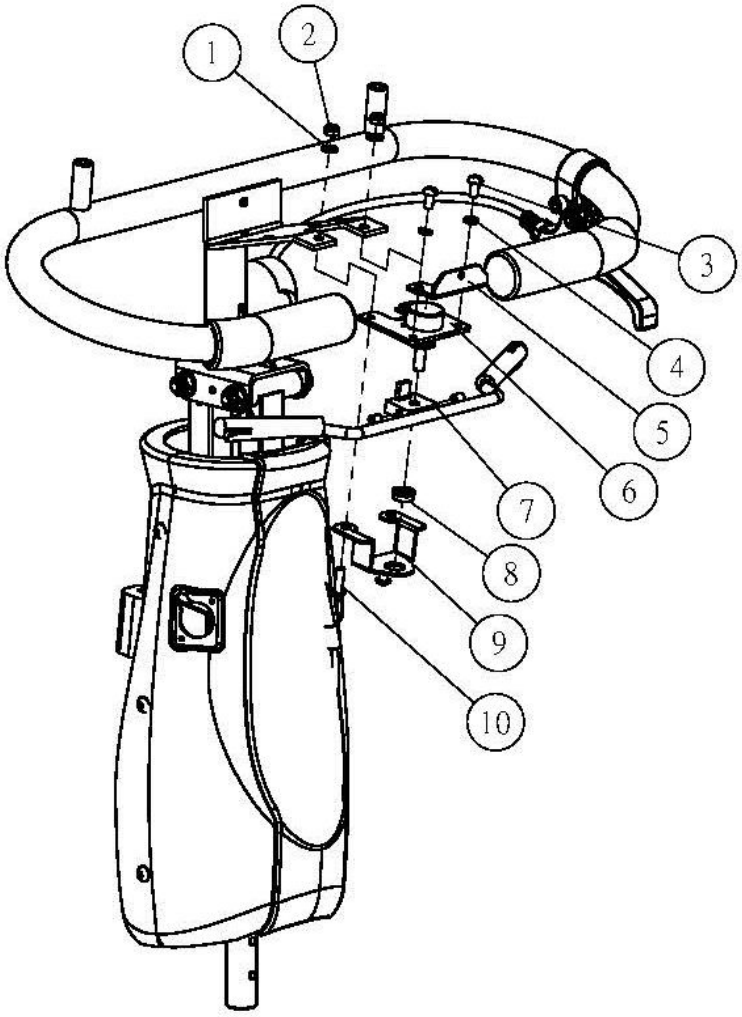
13.3 Re-assembly is done in reverse order.

Inspection Points:

- The wires should be properly plugged in re-assembly.
- The casing should be screw locked with alignment to the round holes on the casing, and tightened.
- The light cover should be locked properly.

14. Speed Lever

Figure 14.1



1. M5 Flat Washer
2. M5 Nylon Insert Hex Nut
3. M5 Round Head Phillips Machine Screw
4. M5 Spring Washer
5. Casing Mounting Bracket
6. Variable Resistor
7. Speed Lever –Pull Type
8. Bearing RIF-814ZZ
9. VR Bearing Bracket
10. Flat Head Socket Cap Screw

Requirements:

-3 mm L-shaped Allen key

-8 mm box wrench

Instructions of Disassembly & Maintenance:

14.1 Remove the casing of the tiller refering to the previous sections.

14.2 Use the 3 mm L-shaped Allen key and the 8 mm box wrench to remove (2 and 10). Remove (6, 7, 8 and 9) in sequence, then the speed lever can be removed.

14.3 Re-assembly is done in reverse order.

Inspection Points:

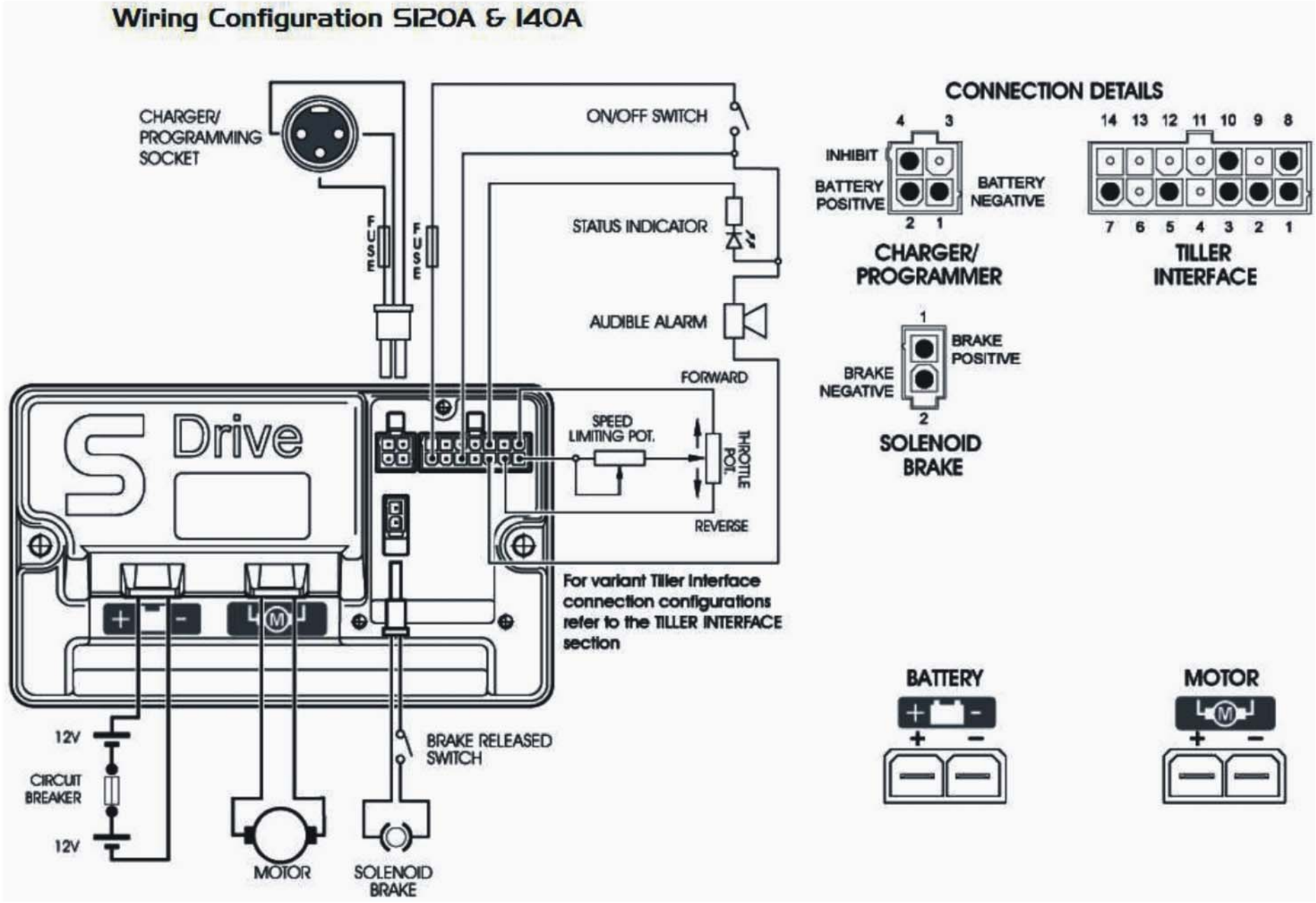
- Check the speed lever if it's loose. If it is, it should be re-tightened.

15. Electronics

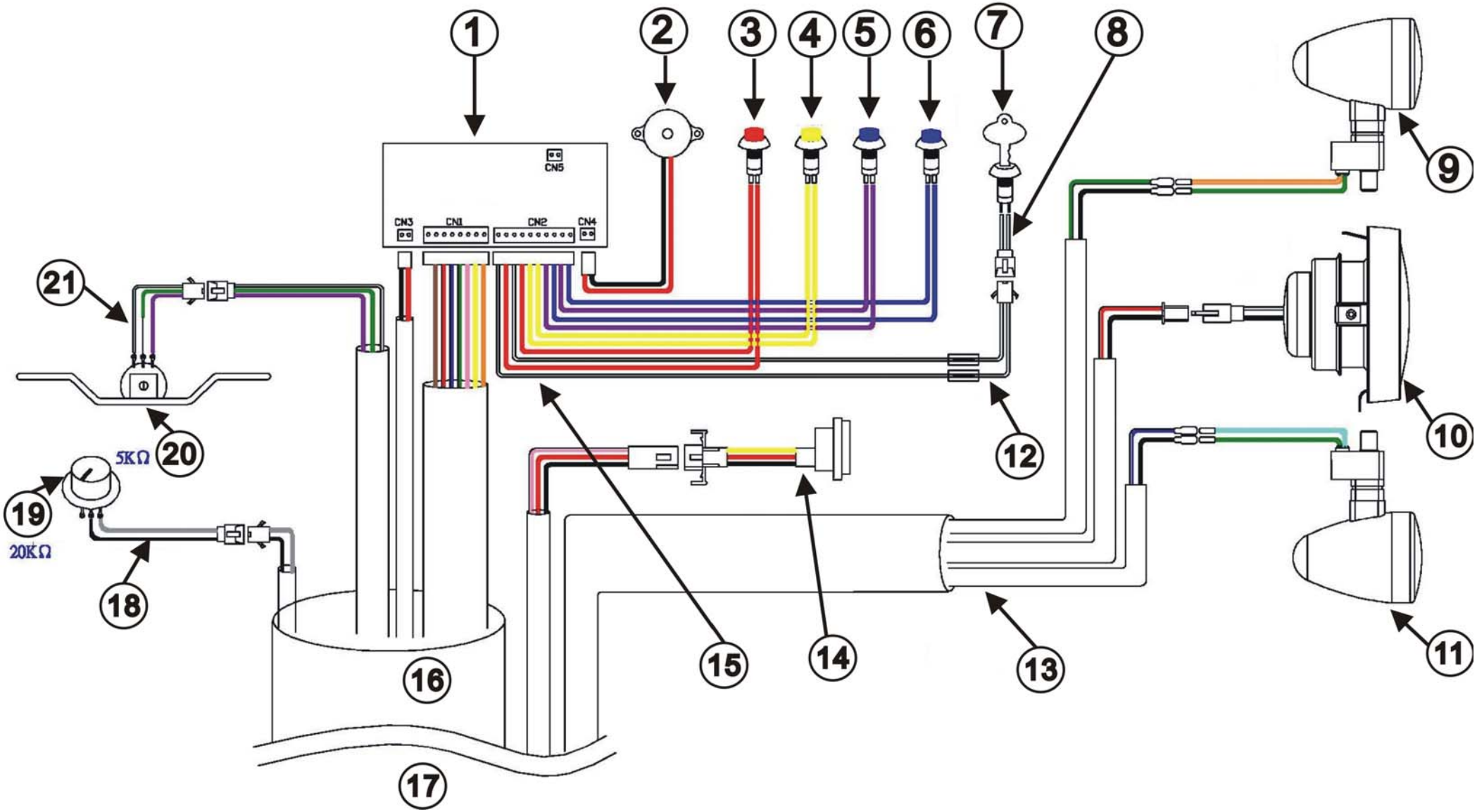
15.1 Error Codes and Diagnostic Codes

Number of Bars	Battery & Diagnostics Indicator
	Battery Voltage
	The batteries need charging or there is a bad connection to the batteries. Check the connections between the central relay box and the batteries. If the connections are good, try charging the batteries.
	Motor Disconnected
	There is a bad connection to the motor. Check all connections between the motor and the central relay box.
	Motor Wiring Trip
	The motor has a short circuit to a battery connection. Contact your service agent.
	Freewheel Mode
	The freewheel switch is activated ot the manual brake disengagement mechanism is operated. Check the position of the switch or lever.
	Not used.
	Charger Connected
	The S-drive is being inhibited from driving. Inhibit 2 is active. This may be because the battery charger is connected or the seat is not in the driving position.
	Throttle Fault
	A throttle fault is indicated. Make sure that the throttle is in the rest position before switching.
	Possible Control System
	A controller fault is indicated. Make sure that all connections are secure.
	Brake Bad Connection
	The parking brakes have a bad connection. Check the parking brake and motor connections. Make sure the controller connections are secure.
	Battery Voltage
	An excessive voltage has been applied to the controller. This is usually caused by a poor battery connection. Check the battery connections

15.2 S Drive Controller Wiring Configurations 120A & 140A



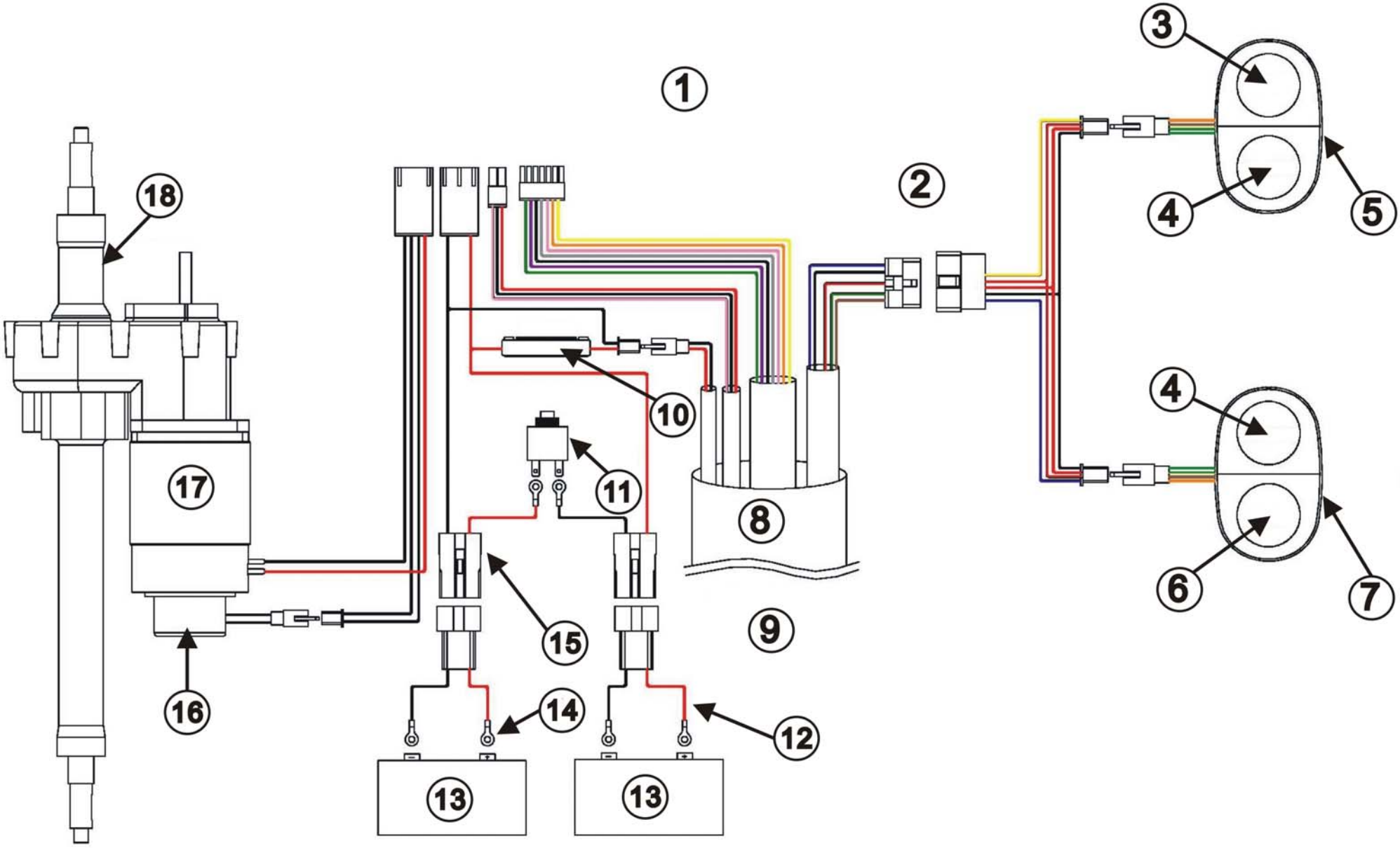
15.3 KS-737.2 PCBA Wiring Diagram



KS-737.2 PCBA Wiring Diagram

No.	Part Name	Part No.
1	S-10 PCBA	107-90005
2	Horn	107-80003
3	Switch of Headlight	107-73012
4	Switch of Horn	107-73001
5	Switch of Left Turn Signal Light	107-73000
6	Switch of Right Turn Signal Light	107-73000
7	Key	107-72009
8	Connection Cable	107-51088
9	Left Turn Signal Light	107-62000
10	Headlight	107-61007
11	Right Turn Signal Light	107-62001
12	Connection Cable	107-51089
13	Interconnect Cable of Front Lighting Control	107-51161
14	Charging Socket	107-41000
15	Switch Cable	107-51080
16	Cable Bus	107-51219
17	Connecting to the Controller	N/A
18	Connection Cable	107-51083
19	Variable Resistor of Speed 20KΩ	107-71005
20	Variable Resistor of Acceleration 5KΩ	107-71010
21	Connection Cable	107-51086

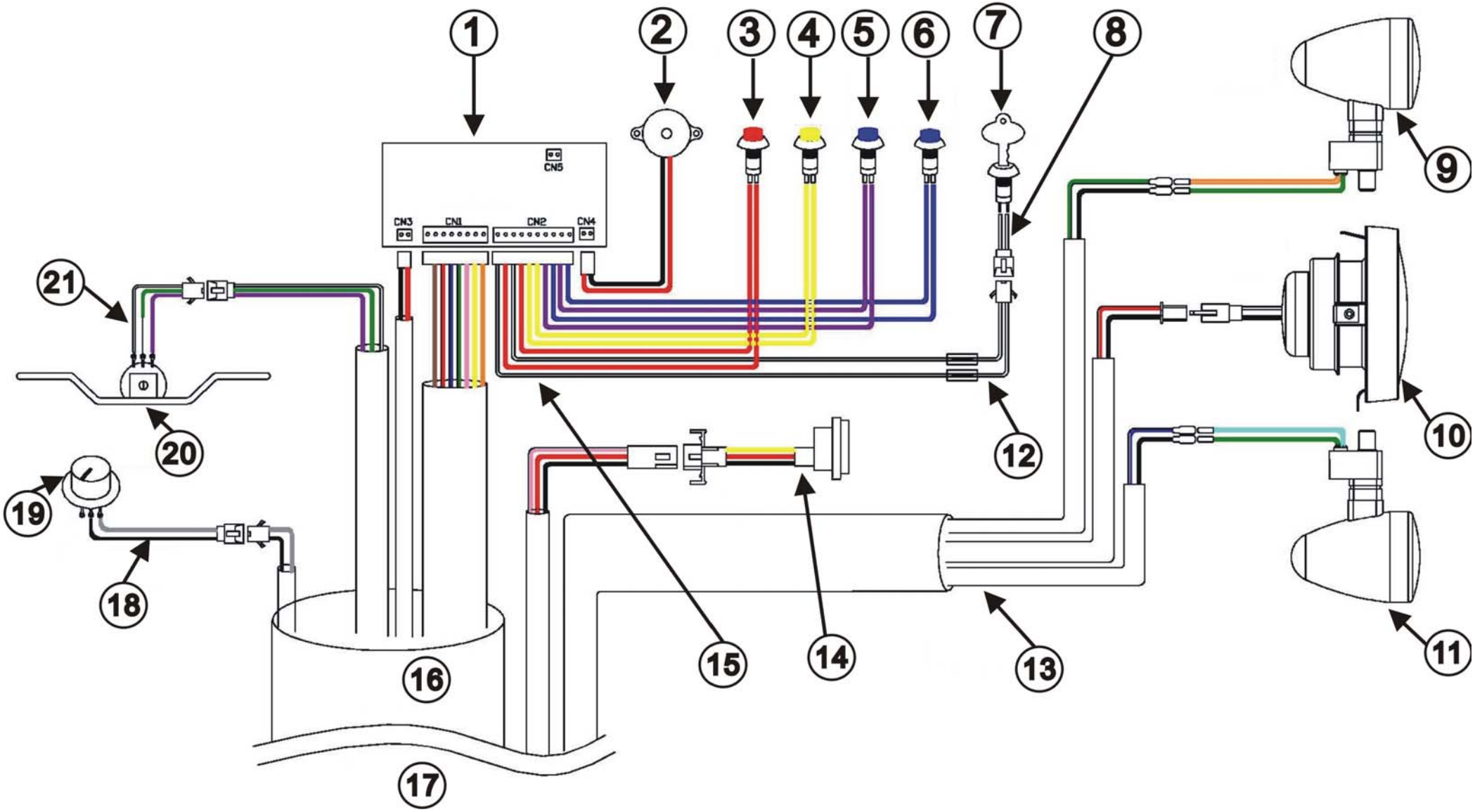
15.4 KS-737.2 Power Module



KS-737.2 Power Module

No.	Part Name	Part No.
1	S-driver Controller	107-10115
2	Interconnect Cable of Rear Lighting Control	107-51169
3	Left Turn Signal Light	N/A
4	Tail Light/ Brake Light	N/A
5	Left Rear Lights	107-62015
6	Right Turn Signal Light	N/A
7	Right Rear Lights	107-62016
8	Cable Bus	107-51219
9	Connecting to the PCBA	N/A
10	5A Fuse	N/A
11	Circuit Breaker	107-74001
12	Battery Cable	107-51107
13	Battery	N/A
14	Battery Cable	107-51107
15	Power Cord	107-51182
16	Electromagnetic Brake	N/A
17	Motor 550W	107-20057
18	Differential 20:1	107-22011

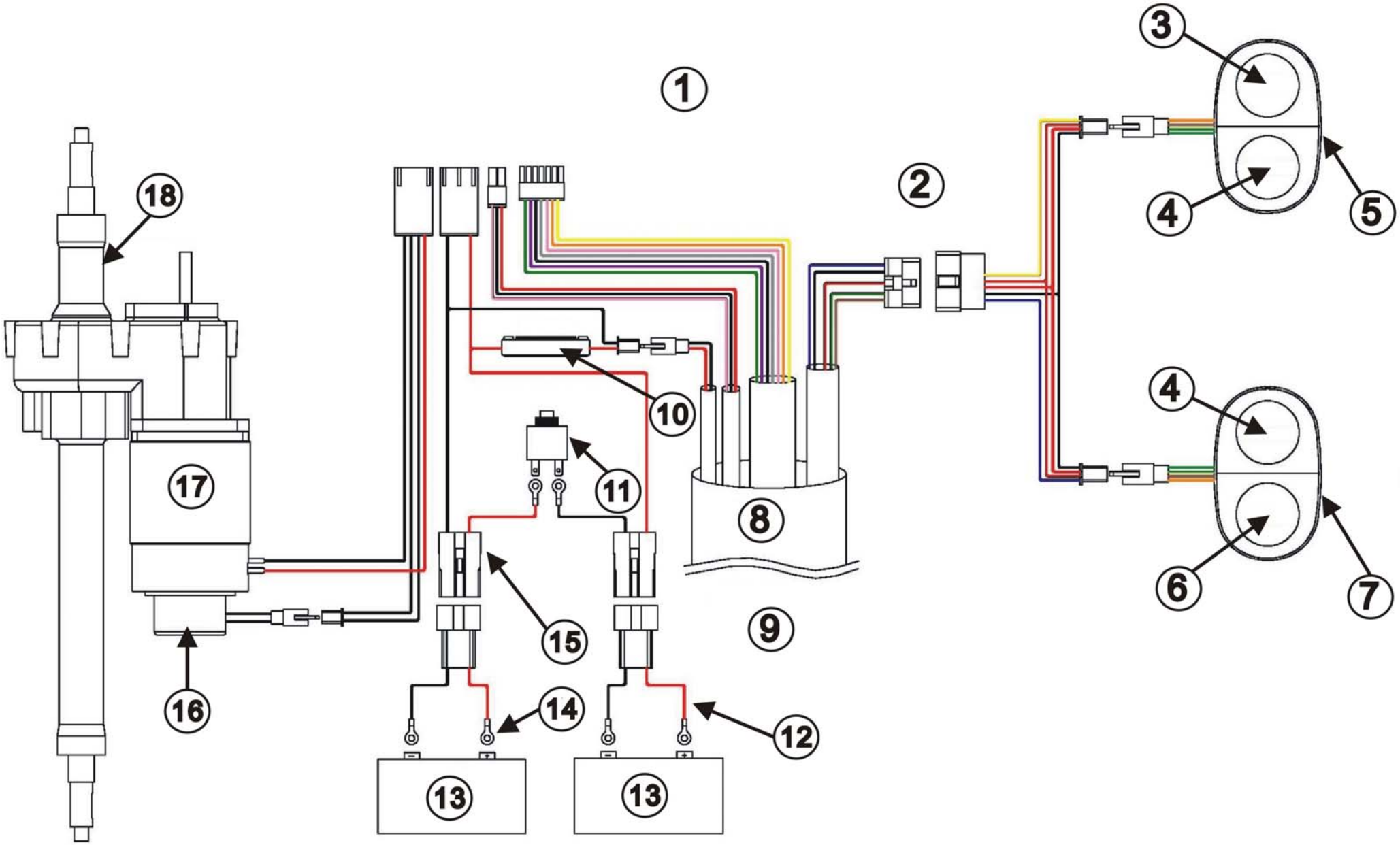
15.5 KS-737.2L PCBA Wiring Diagram



KS-737.2L PCBA Wiring Diagram

No.	Part Name	Part No.
1	Differential 20:1	107-90005
2	Horn	107-80003
3	Switch of Headlight	107-73003
4	Switch of Horn	107-73001
5	Switch of Left Turn Signal Light	107-73000
6	Switch of Right Turn Signal Light	107-73000
7	Key	107-72008
8	Connection Cable	107-51088
9	Left Turn Signal Light	107-62000
10	Headlight	107-61007
11	Right Turn Signal Light	107-62001
12	Connection Cable	107-51089
13	Interconnect Cable of Front Lighting Control	107-51161
14	Charging Socket	107-41000
15	Switch Cable	107-51080
16	Cable Bus	107-51219
17	Connecting to the Controller	N/A
18	Connection Cable	107-51218
19	Variable Resistor of Speed	107-71012
20	Variable Resistor of Acceleration	107-71010
21	Connection Cable	107-51086

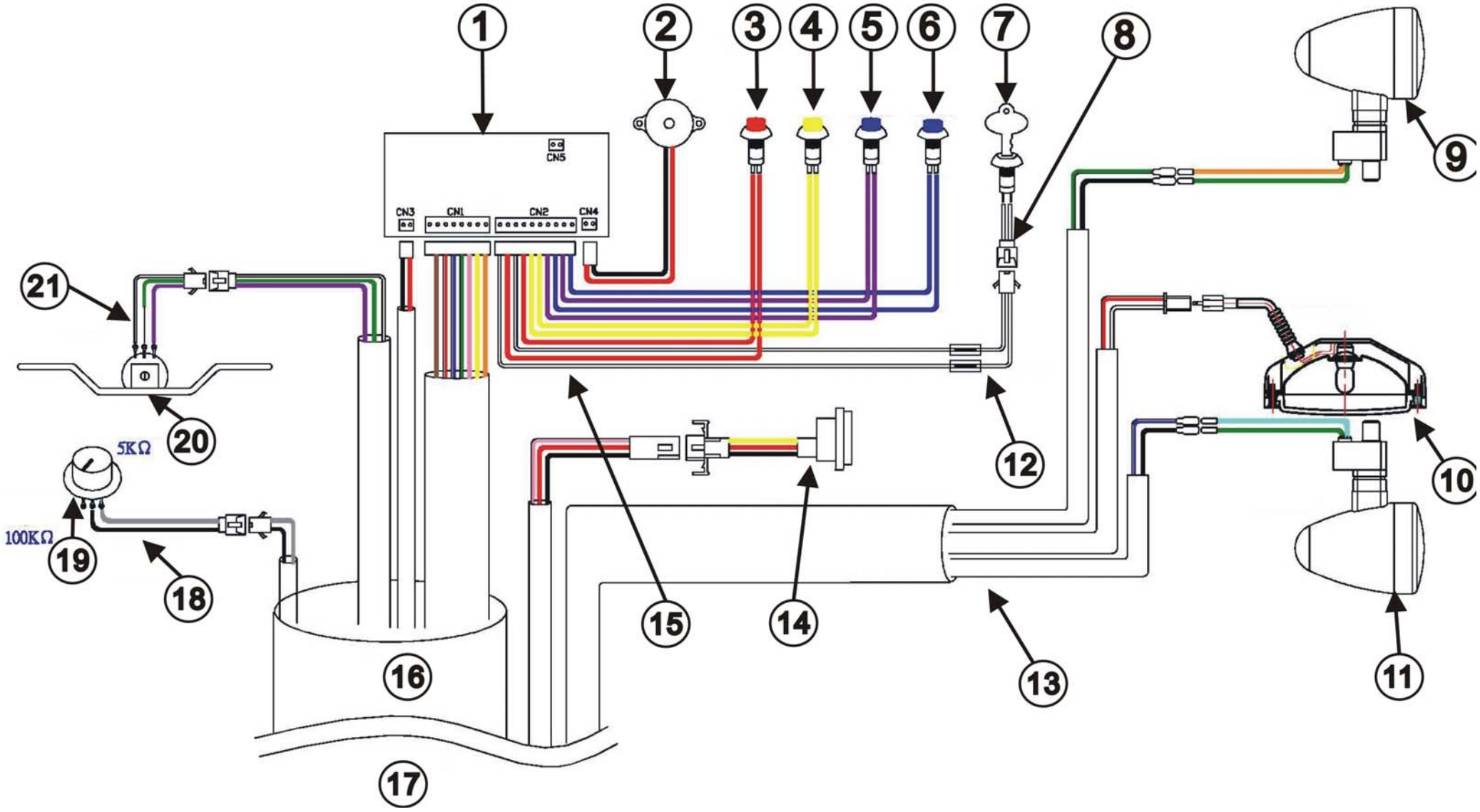
15.6 KS-737.2L Power Module



KS-737.2L Power Module

No.	Part Name	Part No.
1	S-driver Controller	107-10115
2	Interconnect Cable of Rear Lighting Control	107-51169
3	Left Turn Signal Light	N/A
4	Tail Light/ Brake Light	N/A
5	Left Rear Lights	107-62015
6	Right Turn Signal Light	N/A
7	Right Rear Lights	107-62016
8	Cable Bus	107-51219
9	Connecting to the PCBA	N/A
10	5A Fuse	N/A
11	Circuit Breaker	107-74001
12	Battery Cable	107-51128
13	Battery	N/A
14	Battery Cable	107-51128
15	Power Cord	107-51195
16	Electromagnetic Brake	N/A
17	Motor 700W	107-20061
18	Differential 22:1	107-20080

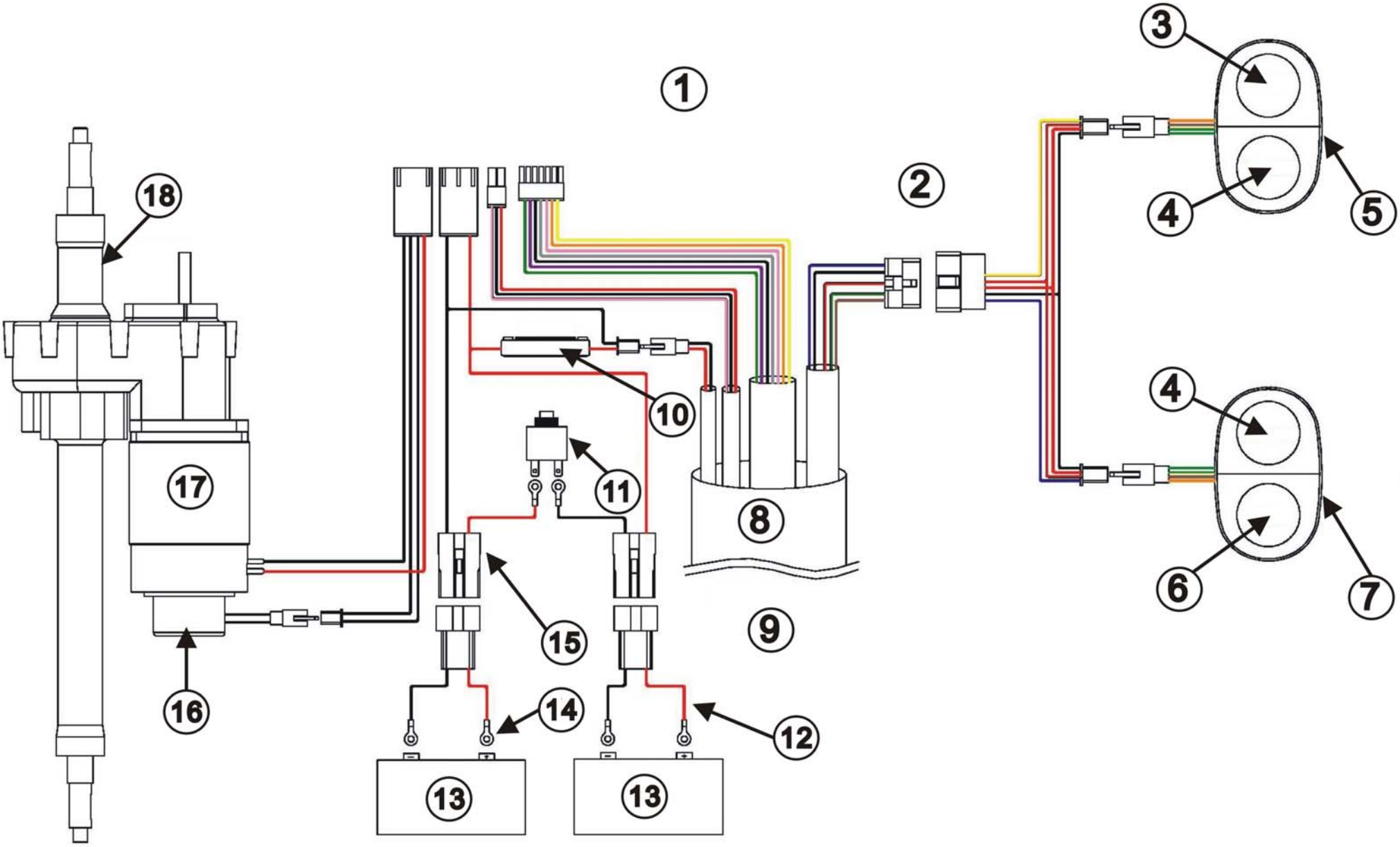
15.7 KS-747.2 PCBA Wiring Diagram



KS-747.2 PCBA Wiring Diagram

No.	Part Name	Part No.
1	S-10 PCBA	107-90005
2	Horn	107-80003
3	Switch of Headlight	107-73012
4	Switch of Horn	107-73001
5	Switch of Left Turn Signal Light	107-73000
6	Switch of Right Turn Signal Light	107-73000
7	Key	107-72009
8	Connection Cable	107-51088
9	Left Turn Signal Light	107-62000
10	Rectangle Headlight	107-61006
11	Right Turn Signal Light	107-62001
12	Connection Cable	107-51089
13	Interconnect Cable of Front Lighting Control	107-51161
14	Charging Socket	107-41000
15	Switch Cable	107-51080
16	Cable Bus	107-51219
17	Connecting to the Controller	N/A
18	Connection Cable	107-51083
19	Variable Resistor of Speed 100KΩ	107-71005
20	Variable Resistor of Acceleration 5KΩ	107-71010
21	Connection Cable	107-51086

15.8 KS-747.2 Power Module



KS-747.2 Power Module

No.	Part Name	Part No.
1	S-driver Controller	107-10115
2	Interconnect Cable of Rear Lighting Control	107-51169
3	Left Turn Signal Light	N/A
4	Tail Light/ Brake Light	N/A
5	Left Rear Lights	107-62015
6	Right Turn Signal Light	N/A
7	Right Rear Lights	107-62016
8	Cable Bus	107-51219
9	Connecting to the PCBA	N/A
10	5A Fuse	N/A
11	Circuit Breaker	107-74001
12	Battery Cable	107-51107
13	Battery	N/A
14	Battery Cable	107-51107
15	Power Cord	107-51182
16	Electromagnetic Brake	N/A
17	Motor 550W	107-20057
18	Differential 20:1	107-22013

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