



Lime

Generation 3.0

Step Brake Replacement

3/1st/2019

Central Repair-Lime Technical Institute





List

1. T-handle Wrench - Torx T20
2. T-handle Wrench - Torx T15
3. Torque Wrench
4. Spiral socket tool

Tools

1



Torx Wrench



T20

2



Torx Wrench



T25

3



Torque Wrench

4



Spiral Socket tool

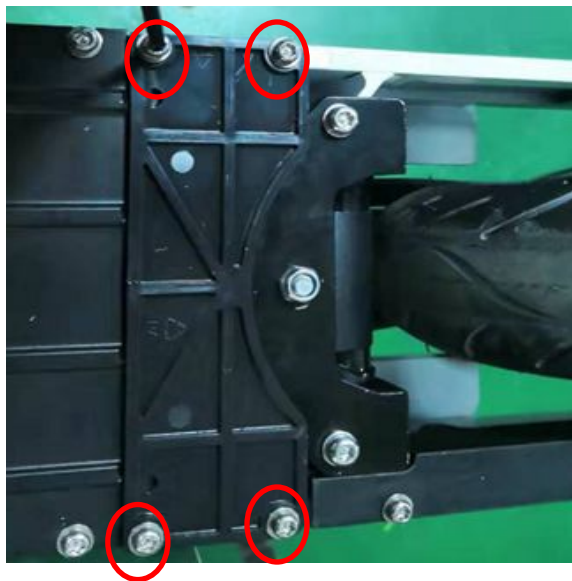
3.0 Rear Fender Disassembly SOP

Technical Guideline

[Video Link](#)

1. Remove the Screws

1min



Tools

- T20 Torx Wrench
- T25 Torx Wrench

Part

(none)

CAUTION

STEP 1

Remove the 2 screws with a T25 wrench.

STEP 2

Remove the 4 screws of the cover with a T20 wrench.

2. Remove the Motor Cable Cover

30s



Tools

-T20 Torx Wrench

Part

(none)

CAUTION

STEP 3

Remove the 4 screws of the motor cable cover with a T20 wrench.

STEP 4

Push the motor cable cover back and out.

3. Loosen the Rear Wheel

30s



Tools

- Spiral socket
- Torque wrench

Part

(none)

CAUTION

STEP 5

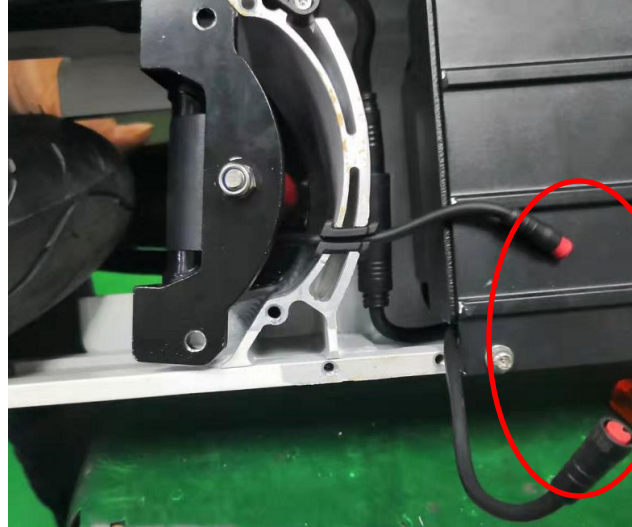
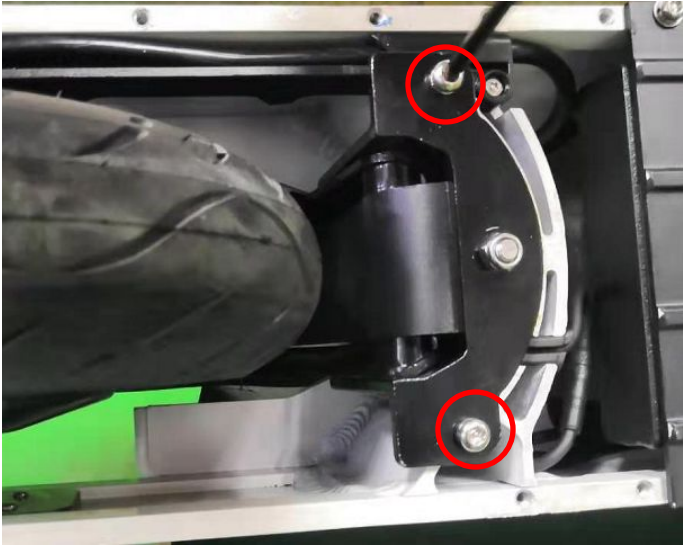
Use the spiral socket tool to remove the left side nut of the rear wheel.

STEP 6

Use the spiral socket tool to remove the right side nut of the rear wheel.

4. Release the Step Brake

30s



Tools

-T25 Torx Wrench

Part

(none)

CAUTION

STEP 7

Remove the 2 screws with a T25 wrench.

STEP 8

Disconnect the brake light connector.

5. Remove the Step Brake and Fender

30s



Tools
(none)

Part
(none)

CAUTION

STEP 9

Pull the rear wheel backwards to remove the rear fender.

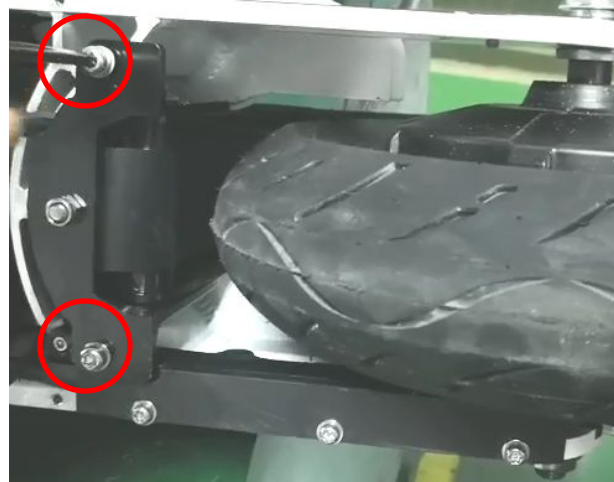
3.0 Rear Fender Assmebly SOP

Technical Guideline

[Video Link](#)

1. Replace the New Step Brake

30s



Tools

-T25 Torx Wrench

Part

-Working Rear Fender/Step Brake

CAUTION

STEP 1

Pull the rear wheel backwards to fit in the rear fender.

STEP 2

Tighten the 2 screws with a T25 wrench.

2. Assemble the Rear Wheel

30s



STEP 3

Place the rear wheel into the mounts. Line the rear wheel light cable into the frame slot.



STEP4

Install the limit washer, spring washers, nuts in sequence!

****CAUTION****

Tools
(none)

Part
(none)

CAUTION

The limit washer must be stuck in the limit hole

3. Tighten the Rear Wheel

30s



Tools

- Spiral socket
- Torque wrench

Part

(none)

CAUTION

STEP 5

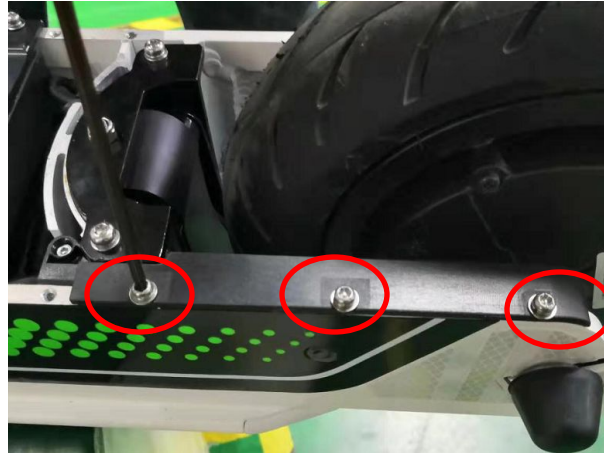
Use the spiral socket tool to tighten the left side screw of the rear wheel.

STEP 6

Use the spiral socket tool to tighten the right side screw of the rear wheel.

4. Replace the Motor Cable Cover

30s



Tools

-T20 Torx Wrench

Part

(none)

CAUTION

STEP 7

Put the rubber sleeve on the left and right nuts.

STEP 8

Push the wire protection case forward and tighten the 3 screws with a T20 wrench.

5. Replace the Bottom Cover

1min



STEP 9

Connect the brake light cable.

STEP 10

Tighten the 4 screws of the cover with a T20 wrench.

Tools

-T20 Torx Wrench

Part

(none)

CAUTION

6. Tighten the Top Screws

30s



Tools

-T25 Torx Wrench

Part

CAUTION

STEP 11

Use a T25 wrench to tighten the top rear fender screws

Remember to quality check & test ride.

Wrench On!