



**Lime**

# **Generation 3.0 Fork Replacement**

**3/1/2019**

**Central Repair-Lime Technical Institute**



## List

- 1. T-handle Wrench - Torx T25
- 2. T-handle Wrench - Torx T30
- 3. Torque Wrench
- 4. V3 Castle Nut Tool
- 5. 8mm & 14mm Wrench

# Tools

1



Torx Wrench



T25

2



Torx Wrench



T30

3



Torque Wrench\*

4



V3 castle nut tool

5



8mm & 14mm wrench

# 3.0 Fork Disassembly SOP

Technical Guideline

[Video Link](#)

0.5 min



### STEP 1

Remove the 3 screws on the brake wire cover with a T25 wrench



### STEP 2

Remove the brake wire cover

Tools

T25

Part

**CAUTION**

0.5 min



Tools

8mm&14mm wrench

Part

**CAUTION**

### STEP 3

Loosen the screws with 8mm and 14mm open-end wrenches

### STEP 4

Remove the screw

0.5 min



### STEP 5

Remove the spring from the brake line



### STEP 6

Cut off the band

Tools

Part

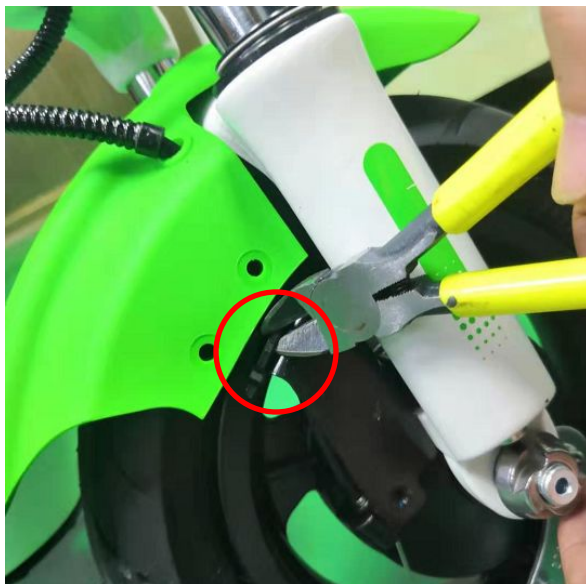
**CAUTION**

0.5 min



### STEP 7

Remove the brake wire housing sleeve



### STEP 8

Cut the band off

Tools

Part

**CAUTION**

2min



### STEP 9

Pull the brake cable out of the fender



### STEP 10

Use the T30 to loosen the 3 screws on the tube

Tools

T30

Part

**CAUTION**



0.5 min



### STEP 11

Remove the screws that hold the tube with the T30



### STEP 12

Pull out the tube

Tools

Part

**CAUTION**

0.5 min



### STEP 13

Pull the tube out and level it



### STEP 14

Pull the brake wire out of the fork

Tools

Part

**CAUTION**

0.5 min



### STEP 15

Use v3 castle nut tool unlock the castle nut



### STEP 16

Rotate counterclockwise to loosen the nut

### Tools

v3 castle nut tool  
torque wrench

### Part

**CAUTION**

5s



**STEP 17**

**Remove castle nut**



**STEP 18**

**Remove washer**

**Tools**

**Part**

**CAUTION**

30s



**STEP 19**

**Unlock second castle nut**



**STEP 20**

**Remove castle nut**

**Tools**

**Part**

**CAUTION**



5s



**STEP 21**

**Remove washer**



**STEP 22**

**Remove spring washer**

**Tools**

**Part**

**CAUTION**

5s



### STEP 23

Take out the small bushing



### STEP 24

Take out the fork spacer

Tools

Part

**CAUTION**

5s



**STEP 25**

**Remove the washer**



**STEP 26**

**Take out the large bushing**

**Tools**

**Part**

**CAUTION**



10s



**STEP 27**

**Take out front fork from inclined tube**



**STEP 28**

**Remove the bearing from the front fork**

**Tools**

**Part**

**CAUTION**

# 3.0 Fork Assembly SOP

Technical Guideline

[Video Link](#)

30s



### STEP 1

Put the curved end of the bearing up into the front fork



### STEP 2

Insert the fork to inclined tube  
**\*\*\*CAUTION\*\*\***

Tools

Part

**CAUTION**

*Fork has derection, make sure this side face forward*



5s



**STEP 3**

**Install the smaller bushing**



**STEP 4**

**Install washer**

**Tools**

**Part**

**CAUTION**



**STEP 5**  
The spacer has a screw hole and the front side is mounted to the front fork **\*\*\*CAUTION\*\*\***



**STEP 6**  
Load the larger bushing

Tools

Part

**CAUTION**

**Pay attention to the screw hole direction.**

5s



**STEP 7**

**Install the spring washer**



**STEP 8**

**Install washer**

**Tools**

**Part**

**CAUTION**



0.5 min



### STEP 9

Install 1st castle nut



### STEP 10

Lock the nut clockwise with the tool

Tools

3 castle nut tool  
torque wrench

Part

**CAUTION**

0.5 min



**STEP 11**

**Install washer**



**STEP 12**

**Install 2nd castle nut**

**Tools**

**Part**

**CAUTION**



0.5 min



### STEP 13

Lock the nut clockwise with the tool



### STEP 14

Insert the brake wire into the front fork

Tools

Part

**CAUTION**

0.5 min



### STEP 15

Attach the tube to the fork



### STEP 16

Lock the screws of the fixed fork with T30

Tools

Part

**CAUTION**

2min



### STEP 17

Lock the 3 screws on the pinch tube with T30



### STEP 18

Insert the brake wire into the fender hole

Tools

T30

Part

**CAUTION**

0.5 min



### STEP 19

Fix the brake wire housing to the brake wire



### STEP 20

Insert the brake cable housing into the fixing slot

Tools

Part

**CAUTION**

0.5 min



### STEP 21

Attach the spring to the brake line



### STEP 22

Put the brake wire into the brake connection piece

Tools

Part

**CAUTION**

0.5 min



### STEP 23

The brake cable ends through the brake link



### STEP 24

Lock two nuts

Tools

Part

**CAUTION**



5s



### STEP 25

Fix the brake line with a strap



### STEP 26

Cut off the end of the strap

Tools

Part

**CAUTION**

1min



### STEP 27

Install the brake wire cover



### STEP 28

Lock the 3 screws on the fixed brake wire cover with a T25 wrench

Tools

T25

Part

**CAUTION**



**Remember to Quality Check & Test Ride.**

**Wrench On!**