

12.Front Suspension

This chapter covers the location and servicing of the front fork components for the KYMCO AK 550 model.

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TROUBLESHOOTING

Soft front shock absorber

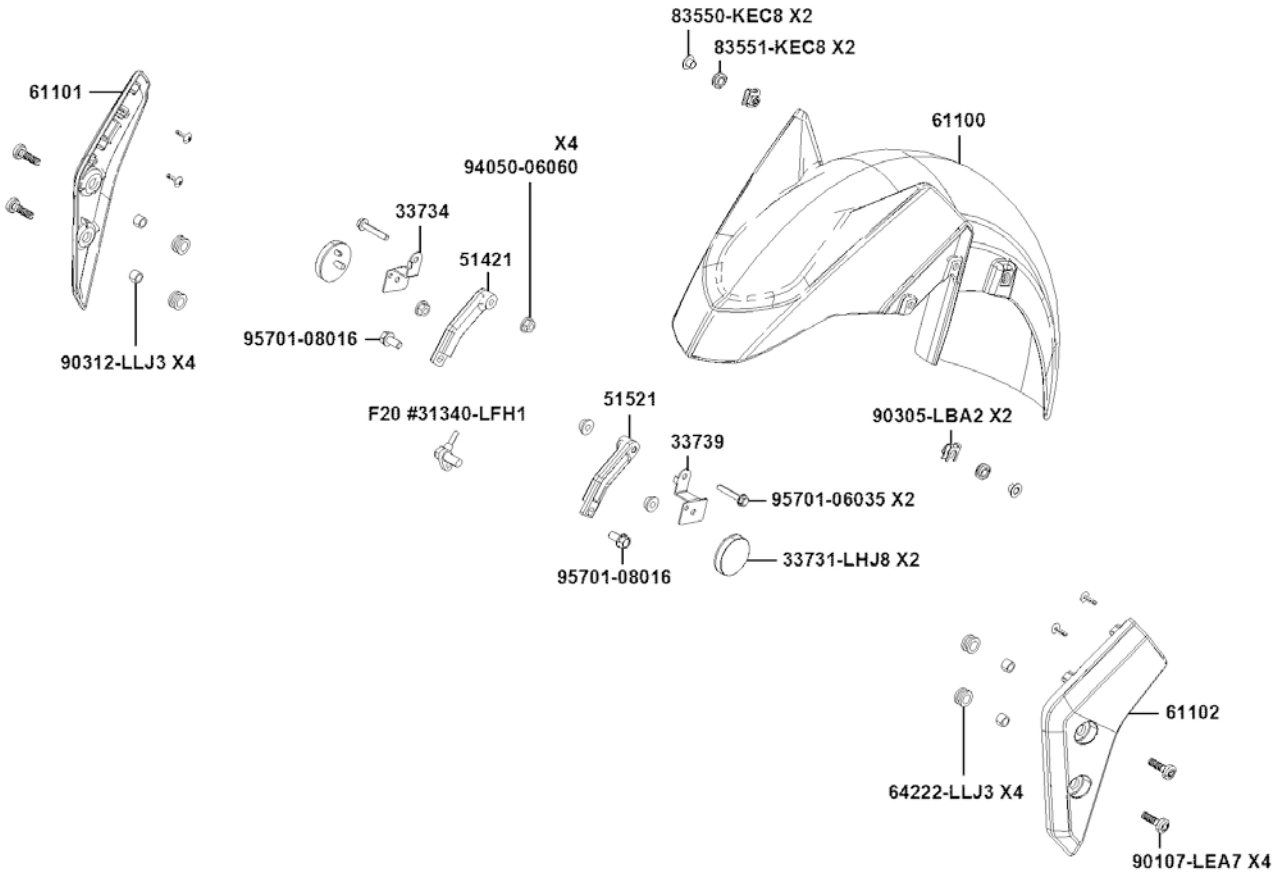
- Weak shock springs
- Insufficient damper oil

Front shock absorber noise

- Slider bending
- Loose fork fasteners
- Lack of lubrication

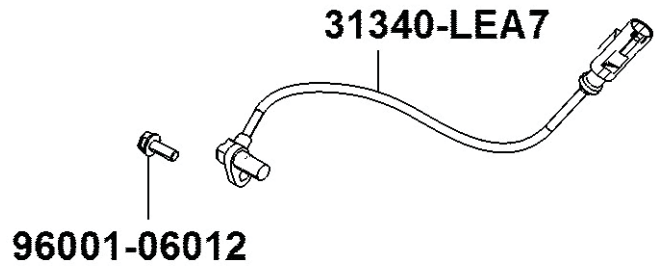
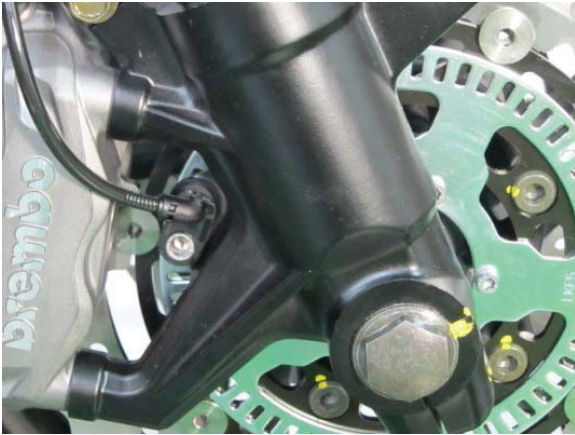
Front Fender Assy. Removal

Remove the bolts, plates and reflectors.
Remove the bolts and front fender assembly.



Front Fork Removal

Remove the bolt of speed sensor.
And remove the speed sensor.



Remove two bolts and remove the front caliper. And remove the left of caliper.
Installation torque: 3~4 kgf-m (30~40 N-m)



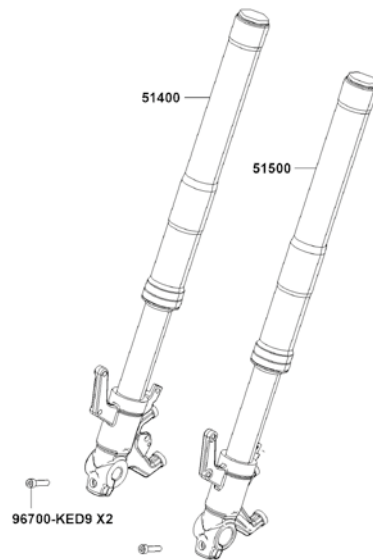
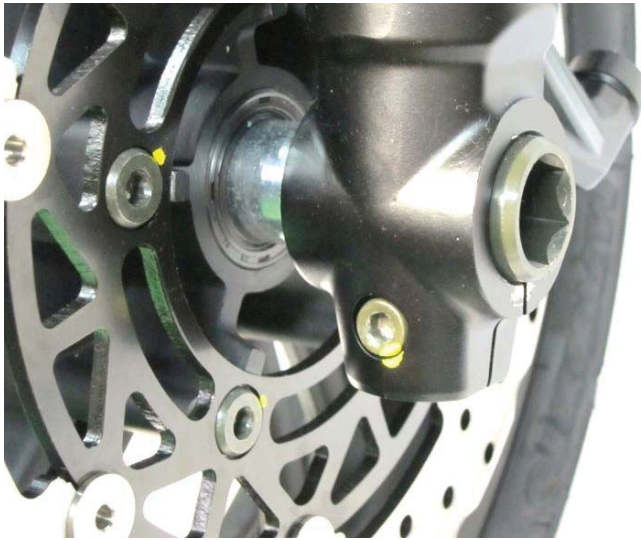
Remove the bolt of front axle.

Installation torque: 7~7.5 kgf-m (70~75 N-m)

The bolts are all with blue Loctite (non-permanent) to the threads. Using this type of bolts when installation.



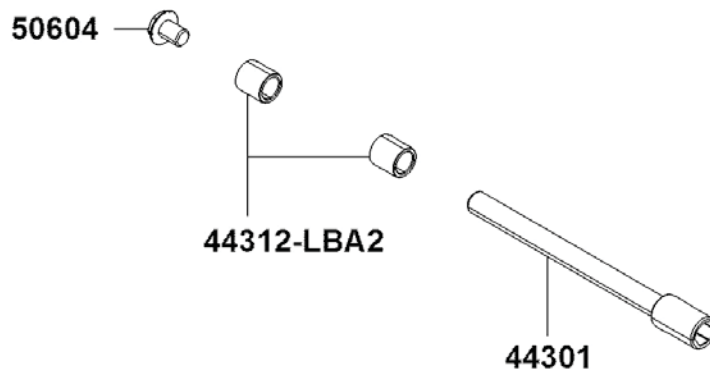
Loosen the front axle pinch bolt with a 6 mm Allen.
 Installation torque: 2~2.6 kgf-m (20~26 N-m)



Lift the front end of the vehicle with a suitable stand or jack so that the front wheel comes off of the ground.
 Support the front wheel and slide the front axle out from the left side.



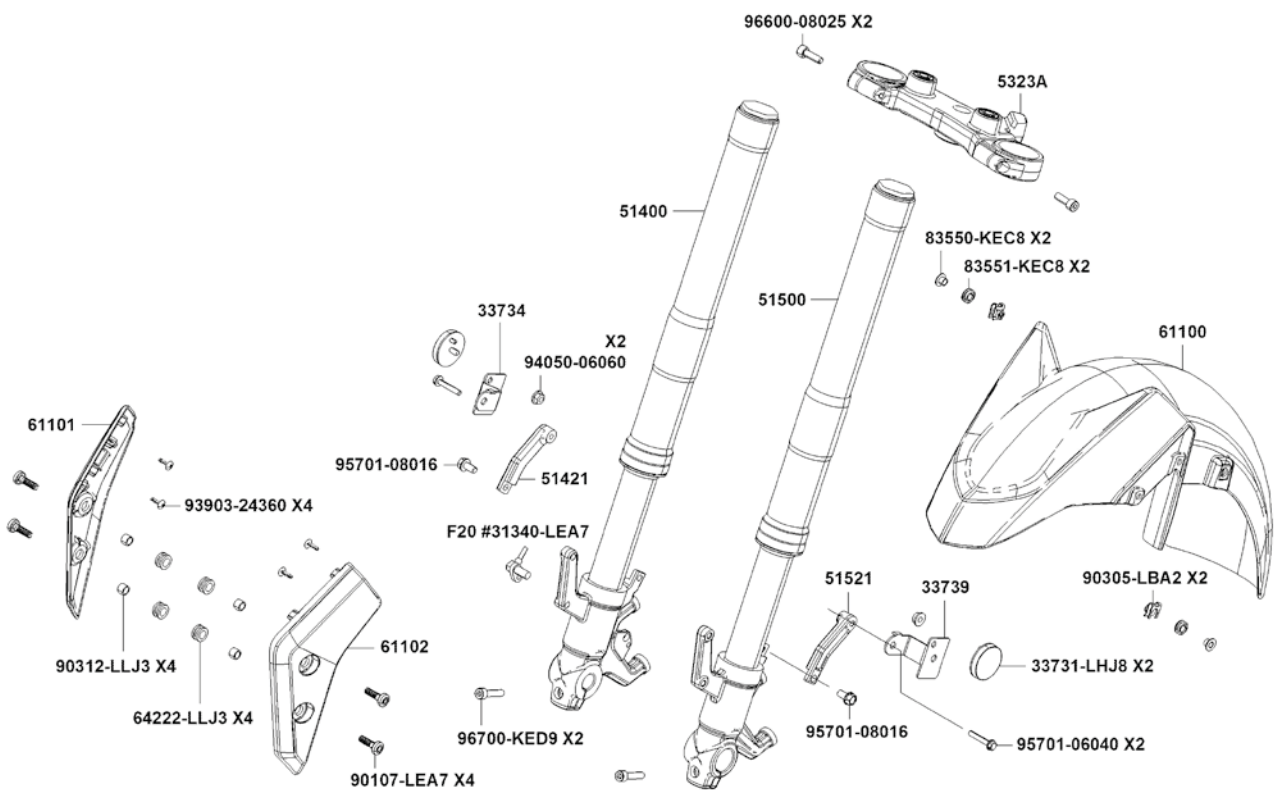
Apply a light coat of grease to the front axle when installation.



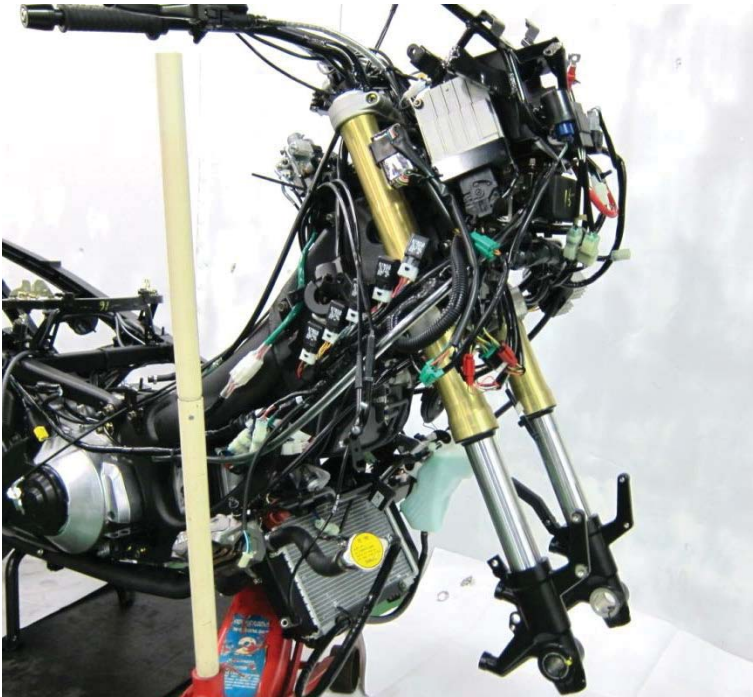
Guide the front wheel out from the fork and the brake disc out from between the pads. Do not squeeze the brake lever while the disc is not present between the pads.



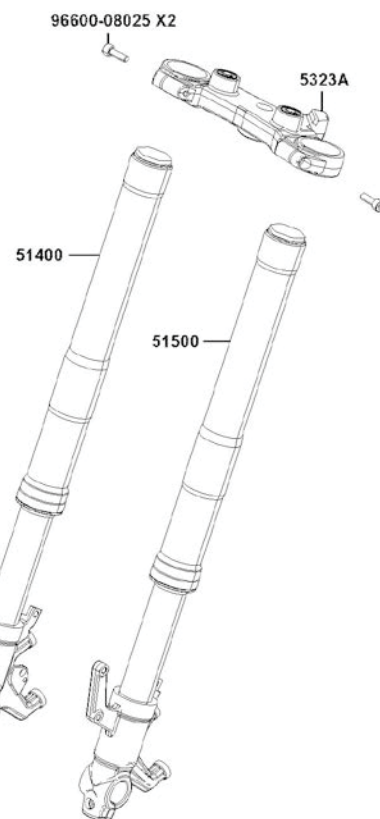
When installation: Apply grease to the lips of the dust seals. Insert the collars into the hub.



Remove the front wheel assembly.



Remove the right and left bolts of top bridge.
Installation torque: 2~2.6 kgf-m (20~26 N-m)

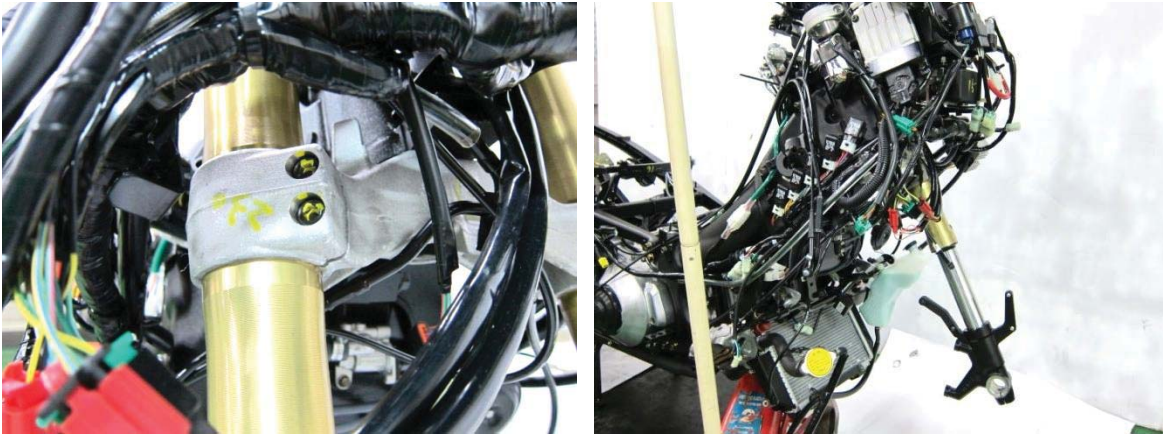


Remove the right and left bolts of top bridge.
Installation torque: 2~2.6 kgf-m (20~26 N-m)

Remove the right and left bolts of top bridge.

Remove the right and left fork.

Installation torque: 2~2.6 kgf-m (20~26 N-m)



Note: When install the cushions,

1. Fork oil replacement quantity of fork oil
Right: 375±2cc/Left: 555±2cc Use fork oil type #SS8 (10W).
2. The cushions need to be kept upward when storage.
3. Assembly process of the product must be kept upward.
4. Oil pressure must be reverted before assembling warranted product, to ensure activity of damping.
5. When installation, align the top surface to the bridge's surface as illustration below.

