



# 12x2.5" & 12x2.75" Aluminum Wheel Kit for KSR

## Instruction Manual

Item No.:	black	silver
12x2.5" (front)	0 6 - 0 9 - 0 2 0 1	0 6 - 0 9 - 0 2 0 4
12x2.75" (rear)	0 6 - 0 9 - 0 2 0 2	0 6 - 0 9 - 0 2 0 5
front & rear	0 6 - 0 9 - 0 0 1 0	0 6 - 0 9 - 0 0 1 1

Fitting models and frame No.:

KSR-110 : KL110A-000001 ~

KSR-1 : MX050B-000001 ~

KSR-2 : MX080B-000001 ~

- Thank you for purchasing one of our products. Please strictly follow the following instructions in installing and using the kit.
- Before installing the kit, please be sure to check the kit contents. Should you have any questions about the kit, please contact your local motorcycle dealer.

**Please note: Illustrations and photos may vary from actual hardware.**

### ~ Features ~

This is a bolt-on type aluminum wheel kit, which you can bolt easily to the genuine hubs on the KSR.

As you can install the wheel onto the genuine hubs as they are, you don't have to process the portion around the brake or a sprocket.

We have prepared aluminum wheels of the wheel rim sizes of 12 x 2.5" for the front and 12 x 2.75", one size larger than the genuine one, for the rear. As the boring is processed through cutting by a machining center, the cross-section is cut sharp, resulting in the highly precise mating surfaces without any mis-alignment.

As these are wheels to be joined together, easy installation of tires with just hand tools is possible.

## Read all instructions first before starting the installation

We do not take any responsibility for any accident or damage whatsoever arising from the use of the kit not in conformity with the instructions in the manual.

We shall be held free from any kind of warranty whatsoever of products other than this product if the glitch takes place on the other products than this one after the installation and use of this product.

Please note that this kit is designed for exclusive use in the above-mentioned fitting models and frame numbers only and that it cannot be mounted on other models.

Be sure to apply vegetable soap and water to the tire bead before installation. Never apply grease or lubricant agent to the tire bead.

The front wheel size is 12 x 2.50". The recommended tire size is 100/90-12.

The rear wheel size is 12 x 2.75". The recommended tire size is 110/90-12.

Always change the deformed wheel caused by wrong installation or driving. Otherwise, such a wheel could lead to traffic accidents.

Set the wheel in a position so the wheel with an air valve is on the left of the driving direction of the machine.

These products are designed and produced on the premise of driving on the paved road. Therefore, please never drive on a rough road or drive off road.

**CAUTION** The following show the envisioned possibility of injuries to human bodies and property damage as a result of disregarding the following cautions.

- First of all, support the motorcycle upright on a service stand on level ground for safety's sake.
- This is a wheel only for a tube. Always use a tire tube to match the tire size.
- Do not increase the tire pressure beyond the limit. { max 175 kpa (1.75 kgf / cm<sup>2</sup>) }
- Applicable Tire(tube):

Front :DUNLOP TT91 100/90-12 / DUNLOP 3.00\* 80/100\*100/80-12TR4

Rear :DUNLOP TT91 100/90-12(120/80-12) / DUNLOP 4.00:4.50-12 TR87S

(Although it is possible to install a 120/80-12-sized tire to the rear wheel, in some cases the drive chain and the side of the tire may interfere with each other, depending on the individual difference of a motorcycle.)

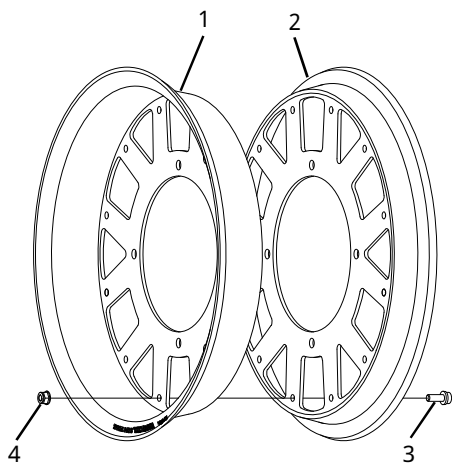
**WARNING** The following show the envisioned possibility of human death or serious injuries to human bodies as a result of disregarding the following warnings.

- Work only when the engine and muffler are cool. (Otherwise, you will burn yourself.)
- Do the installation with right tools. (Otherwise, breakage of parts or injuries to yourself may take place.)
- Always use a torque wrench to screw bolts and nuts tight and securely to the specified torque. (Otherwise, these parts may get damaged or fall off, resulting in accidents.)
- As some products and frames have sharp edges or protruding portions, please work with your hands protected. (Otherwise, you will suffer injuries.)
- Before riding, always check every section for slack in parts like screws. If you find slack ones, screw them securely up to the specified torque. (Otherwise, improper tightening may cause parts to come off.)
- Please never use a deformed wheel, which will lead to a serious accident.
- Before driving, please check every section for slack in parts and check tire pressure. And when you notice something abnormal with your motorcycle while riding, immediately stop riding and park your motorcycle in a safe place to check what has gone wrong.
- Even if the indicated tire sizes are the same, the actual sizes may differ among manufacturers and brand names because of the tolerance or individual difference. So, in installing wide tires, please check beforehand thoroughly whether the tire does not interfere with the body. (Otherwise, the interference may lead to tire-burst and others, causing unforeseen accidents.)
- Keep plastic bags for packing the products away from babies and children to avoid danger of suffocation, or discard them. (Otherwise, there is a danger of their suffocating.)
- These products are designed and produced on the premise of driving on the paved road. Therefore, please never drive on a rough road or drive off road. (Otherwise, the wheel could get damaged, causing a serious accident.)

Please be informed that, mainly because of improvement in performance, design changes, and cost increase, the product specifications and prices are subject to change without prior notice.

This manual should be retained for future reference.

## ~ Kit Contents ~



### 06-09-0010, 06-09-0011 (front and rear)

#### 06-09-0201, 06-09-0204 (12 x 2.5" aluminum wheel)

No.	Part Name	Qty
1	12 x 2.5" left wheel (with an air-valve hole)	1
2	12 x 2.5" right wheel	1
3	Flange socket cap screws, 6 x 16	12
4	Flange U nuts	12

#### 06-09-0202, 06-09-0205 (12 x 2.75" aluminum wheel)

No.	Part Name	Qty
1	12 x 2.75" left wheel (with an air-valve hole)	1
2	12 x 2.75" right wheel	1
3	Flange socket cap screws, 6 x 16	12
4	Flange U nuts	12

## ~ Installation Procedures ~

Before starting the installation, support the motorcycle upright on a service stand on level ground for safety's sake.

### Wheel Assembly:

⚠ Note : Handle the tires and tubes correctly and with utmost care, referring to and fully understanding the relative instruction manuals and safety precautions.

- Before installation, examine the tires and tubes, and apply vegetable soap and water to the tire bead.
- Fit the left wheel (the one with an air-valve hole) into the tire. If the rotation direction is marked on the tire, or if there is a painted mark on a spot to show that the tire is lightest on this spot, then fit the tire being careful about the direction and location.
- Before fitting the right wheel, first press in the tire tube into the tire, being careful not to twist it. And pass the air valve through the air-valve hole on the left wheel.
- Put some air in the tube to protect the tube from being jammed, and then fit in the right-side wheel.
- Set the location of each wheel so that the laser-marked logos of "special parts TAKEGAWA" on both front and rear surfaces align with each other, and fix the wheels.
- Put the wheels together adjusting the location so the bored and cut surfaces fit together flat and level. And tighten them loosely for now with flange socket cap screws and flange U-nuts.
- Tighten 12 each of 6x16 flange socket cap screws and flange U-nuts diagonally and evenly.  
**Torque : 14 N·m (1.4 kgf·m)**
- Pump up the tires, referring to and observing the cautions mentioned in the instruction manuals for the tire and tube.
- Check and adjust the air pressure in the tires to be at a designated level, and also check them for air leak.

### Wheel Installation:

- Attach the wheel to genuine KSR hubs so the air valve faces the left of the driving direction of the machine.
- Tighten the wheel diagonally with screws and nuts, used to hold the genuine hubs and wheel.

⚠ Note : Remove the washer used to hold the genuine wheel, and fasten the nut direct.

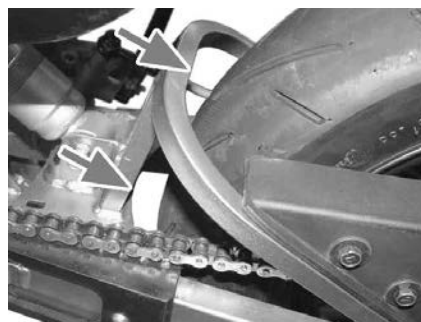
**Torque : 23 N·m (2.3 kgf·m)**

### Final Checking:

- Check screws for slack and check tires if the air pressure is at an appropriate level.
- Before driving, check well if there is no glitch like interference with a tire and body, or with an air valve and brake parts, by rotating the tire with a hand.

### ⚠ NOTE

Please take note, especially when the rear tire is changed from the genuine one to the larger one, the larger tire is likely to interfere with the bridge or the stabilizer of a swing arm as per the foto below. Even if a clearance of a few millimeters at the time of tire installation is secured, the tire may interfere with these parts particularly at the time of high-speed revolution because the tire may get distorted owing to centrifugal force. Therefore, even after driving, please check the tire surfaces and swing arm for the trace of interference.



- Even after the tire installation, please regularly check screws for slack and check tires if the air pressure is appropriate or not.

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