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SPORT RIM USER MANUAL

A GLOBAL BRAND OF 

AWARDS:



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Meng Kah Auto Parts Trading Sdn. Bhd. was incorporated in the year 1998, with the core business of importing and distributing motorcycle parts and accessories. With a successful venture, creating the brand "Racing Boy" to meet the high demand and expectation of its customers. The services include in-house designing, testing, developing and manufacturing of high quality and stylish products.

In the year 2013, Racing Boy rebranded itself as "RCB" to further solidify as an international name. Today, RCB design and manufacture a full range of accessories that includes rims, absorbers, braking systems, engine parts and handling systems. Making RCB, a leading international brand.

Safety Symbols

In this manual, mounting instructions and other technical documents, important information concerning safety is distinguished by the following symbols :

Danger!

The Danger Symbol: If not observed, have a high degree of probability that they will cause serious injury or even death.

Warning!

The Warning Symbol: If not observed, could possibly cause injury.


Caution!

The Caution Symbol: if not observed, could result in damage to the vehicle

This RCB product has been designed to comply with applicable safety standards. Products are not intended to be used differently from the specific use for which they have been designed and manufactured. Use for any other purpose, or any modification to, or tampering with, the Product can affect the performance of the Product and may render the Product unsafe. Such modification or improper use will void the Limited Warranty, and may subject the individual so using the Product to liability for bodily injury or property damage to others.


Danger!

This Product is vital to the safe operation of the vehicle on which it is installed, and it is intended to be installed only by a skilled, qualified individual who has been trained and/ or is experienced in the installation and use for which the Product is intended. The installer must be equipped with the proper tools of his trade, and with the knowledge and experience to deal with vehicle repairs. Improper or incorrect installation, whether caused by a failure to faithfully and completely follow these Instructions or otherwise, will void the Limited Warranty and could subject the installer to liability in the event of personal injury or property damage. RCB shall not be liable for any damage or injury caused to or by any person operating a vehicle on which a replacement product has been improperly installed.

 The used product replaced by this Product must not be installed on any other product. Property damage and personal injury, including death, could result.

Warning!

In this course of replacing the product, and related items such as brake fluid, brake pads, brake shoes, and the like, the installer will be exposed to fluids and parts that may be deemed to be "hazardous waste" under applicable laws, rules and regulations. All such wastes must be handled, recycled and or disposed of in accordance with all applicable laws, rules and regulations. The failure to do so can subject the generator of the hazardous waste to penalties under environmental laws, and could result in bodily injury or property damage to the generator or others.


 Always check that the brake fluid level in the reservoir is between the minimum and maximum levels indicated on the reservoir. An incorrect level can cause brake fluid leaks or reduced brake system efficiency. Too much or too little brake fluid in the reservoir could cause the brakes not to perform properly, and personal injury, including death, could result.

Warning!

To avoid creating a defective installation, avoid sharply striking and/ or damaging the Product, its parts and its components, as this can impair their efficiency and may cause them to malfunction. If necessary, replace any damaged part or component.


To avoid injury:


- Always wear gloves during disassembly and assembly of components with sharp edges.
- Do not allow skin surfaces to make direct contact between the pad and shoe linings since this could cause abrasions.
- Ensure correct connection of any electrical contacts, checking that the warning lights come on. If they do not, non-operation of the warning lights can cause a reduction in efficiency of the braking system, or brake signaling failure.

 Avoid contact of grease and other lubricants with the braking surfaces of the disc and pads as this could affect the efficiency of the braking system and cause serious physical damage.

Caution!

Check that the bearing seats are free from dirt. Any dirt present can damage the seats during assembly operations and shorten bearing life.

 Do not use sharp tools when fitting rubber components, since this can damage them. Be sure to replace damaged components.

 Always replace both the brake discs on the axle, using the two discs provided. Every time the discs are changed you should also replace the pads.

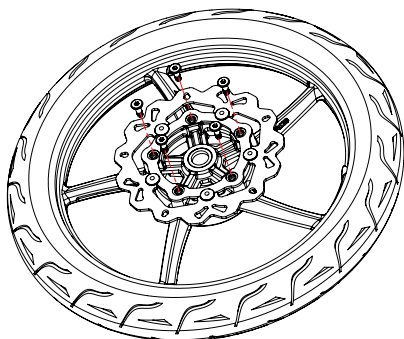
Notice

This feature only available for a certain model of motorcycle.

FITTING THE FRONT WHEEL



- Install tire to RCB rim.



- Position the brake disc to the rim.
- Insert the new fastening screws and tighten them with a torque wrench.

Warning!

For correct fixing of the screws, proceed in cross sequence.

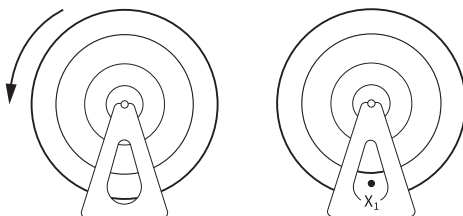
For fitting or replacing the tyre, contact a tyre specialist.

ADJUSTING THE FRONT WHEEL STATIC BALANCE

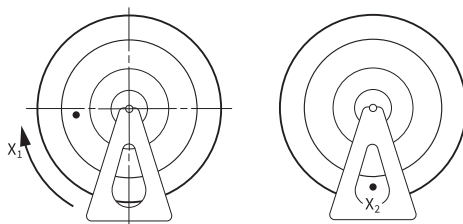
TIP

Place the vehicle on a center stand so that the front wheel is elevated.

Adjust the front wheel static balance with the brake disc installed.



- Spin the front wheel.
- When the front wheel stops, put an "X₁" mark at the bottom of the wheel.



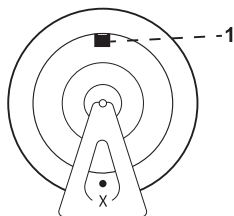
- Turn the front wheel 90° so that the "X₁" mark is positioned as shown.
- Release the front wheel.
- When the wheel stops, put an "X₂" mark at the bottom of the wheel.
- Repeat the steps several times until all the marks come to rest at the same spot.
- The spot where all the marks come to rest is the front wheel's heavy spot "X".

TIP

Install the balancing weights on the rim of the brake disc side of the wheel.

Install up to four balancing weights on the rim.

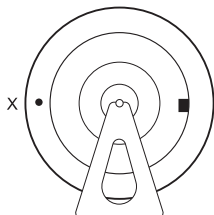
FRONT WHEEL



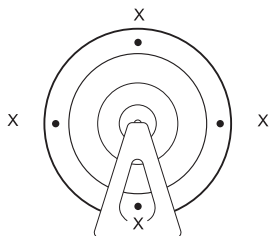
- Install a balancing weight “1” onto the rim exactly opposite the heavy spot “X”.

TIP

Start with the lightest weight.

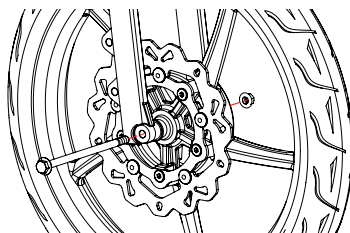


- Turn the front wheel 90° so that the heavy spot is positioned as shown.
- If the heavy spot does not stay in that position, install a heavier weight.
- Repeat the steps until the front wheel is balanced.

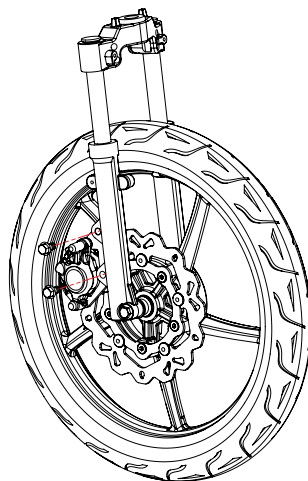


- Turn the front wheel and make sure it stays at each position shown.
- If the front wheel does not remain stationary at all of the positions, rebalance it.

FITTING THE FRONT WHEEL



- Insert the wheel in the fork joint observing the forward rotation direction indicated on the wheel.
- Clean with a damp cloth and lubricate the surface of the pin to facilitate insertion.
- Insert the pin keeping the wheel in the correct position with one hand and centring the spacer and the milometer transmission, if provided.
- Position the screws of the feet of the fork joint, on both sides if present, only tightening them far enough to keep them in position.
- Tighten the nut on the pin to torque prescribed by the vehicle manufacturer.



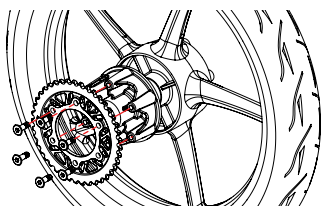
- Install the front caliper to the fork joint.
- Compress the suspension to bed the fork joint.
- Tighten the screws of the fork joint foots using a torque wrench, applying the torque prescribed by vehicle manufacturer.

FITTING THE REAR WHEEL

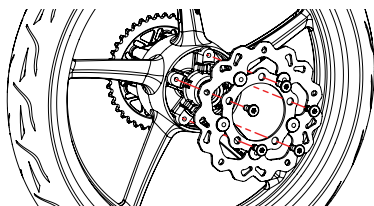
- Clean the supporting surfaces, all the seats and all the components involved in the refitting operation using a degreasing product.

Warning!

Ensure that the solvent does not come into contact with parts of the wheel that could be damaged (rubber and paint). Absorb with paper.



- Position the sprocket on the rear wheel.
- Re-tighten the sprocket fastening screws, if provided, applying the tightening torque prescribed by the vehicle manufacturer.



- Position the brake disc to the rim.
- Insert the new fastening screws and tighten them with a torque wrench.

ADJUSTING THE REAR WHEEL STATIC BALANCE

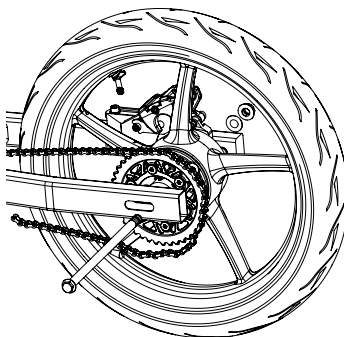
TIP

Place the vehicle on a center stand so that the rear wheel is elevated.

Adjust the front wheel static balance with the brake disc installed.

- Refer to “**ADJUSTING THE FRONT WHEEL STATIC BALANCE**” on page 7.

Traditional Wheel



- Slightly lubricate the surface of the pin to facilitate insertion.
- Insert the wheel into the fork.
- Reposition the caliper on the brake disc.
- Gently push the wheel towards the vehicle.
- Reposition the chain on the sprocket.
- Correctly reposition the spacer.
- Insert the pin, checking that it fits into the hole provided on the caliper supporting bracket and that the caliper is correctly positioned in its seat on the fork.
- Check correct positioning of the pin in its seat on the fork.
- Correctly reposition the washer and nut.
- Position a shim (e.g. a screwdriver) between the chain and the sprocket.
- Rotate the wheel far enough to block the shim between the chain and the sprocket.

Caution!

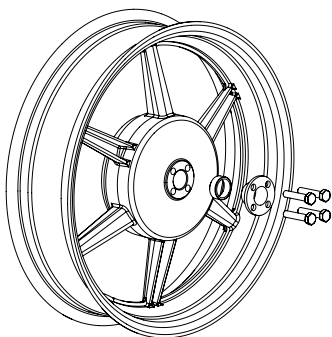
This operation eliminates the need to tension the chain.

- Tighten the nut on the pin to tightening torque prescribed by the vehicle manufacturer.
- Rotate the wheel in the opposite direction and remove the shim.
- Check correct tensioning of the chain according to the directions provided by the vehicle manufacturer.

REAR WHEEL



Single-arm Wheel With Fastening Screws

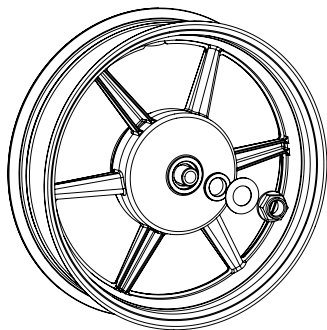


- Reposition the wheel on the supporting surface on the vehicle.
- Reposition any washers, any centring ring and the fastening screws.
- Tighten the fastening screws applying the tightening torque prescribed by the vehicle manufacturer.

Warning!

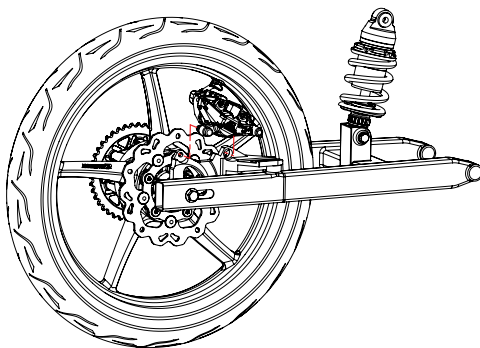
For correct fastening of the screw, proceed in cross sequence.

Single-arm Wheel With Axial Nut



- Reposition the wheel on the supporting surface on the vehicle.
- Reposition any washers, any centring ring and the fastening nut.
- Tighten the fastening nut applying the tightening torque prescribed by the vehicle manufacturer.
- Reposition the safety ring, if provided.

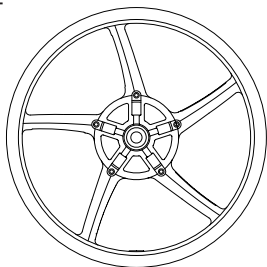
For All Type Of Wheels



- If not already done, reposition the caliper or calipers on the brake disc.
- If the pads obstruct insertion of the caliper on the disc, press firmly with your hands on the pads to retract the pistons.
- Tighten the fastening screws of the caliper of calipers, applying the tightening torque prescribed by the vehicle manufacturer.
- Check the brake fluid level and top up if necessary with new fluid in compliance with the recommendations of the vehicle manufacturer.
- Remove the vehicle from the stands.
- Repeatedly operate the brake lever/ pedal until the normal resistance has been restored and check braking efficiency.

CHECKING THE FRONT WHEEL

Wheel



Damage/out-of-round → Replace

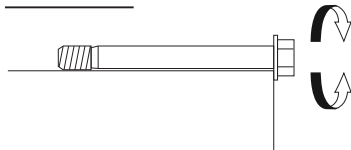
Warning!

Never attempt to make any repairs to the wheel.

TIP

After a tire or wheel has been changed or replaced, always balance the wheel.

Wheel axle



Roll the wheel axle on a flat surface.

Bends → Replace.

Warning!

Do not attempt to straighten a bent wheel axle.

Wheel bearings

Wheel turns roughly or is loose → Replace the wheel bearings.

Oil seals

Damage/wear → Replace.

MAINTENANCE OF THE WHEEL SENSOR AND SENSOR ROTOR

Notice

- Handle the ABS components with care since they have been accurately adjusted. Keep them away from dirt and do not subject them to shocks.
- The front wheel sensor cannot be disassembled. Do not attempt to disassemble it. If faulty, replace with a new one.
- Keep any type of magnets (including magnetic pick-up tools, magnetic screwdrivers, etc.) away from the wheel sensor or wheel sensor rotor.
- Do not drop or shock the wheel sensor or the wheel sensor rotor.

Wheel Sensor

- Cracks/bends/distortion → Replace.
- Iron powder/dust → Clean.

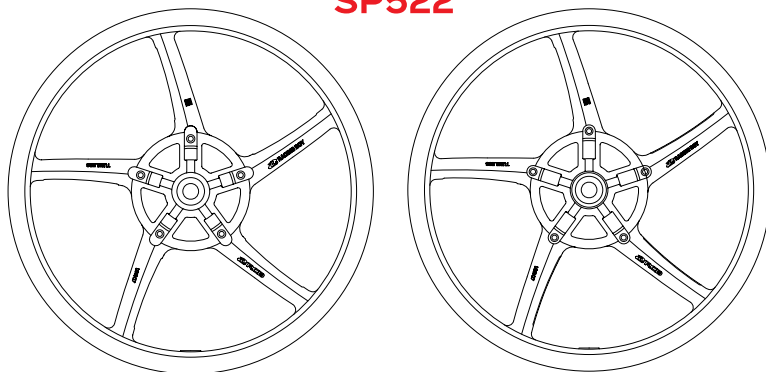
Wheel Sensor Rotor

- Cracks/damage/scratches → Replace the wheel sensor rotor.
- Iron powder/dust/solvent → Clean.

TIP

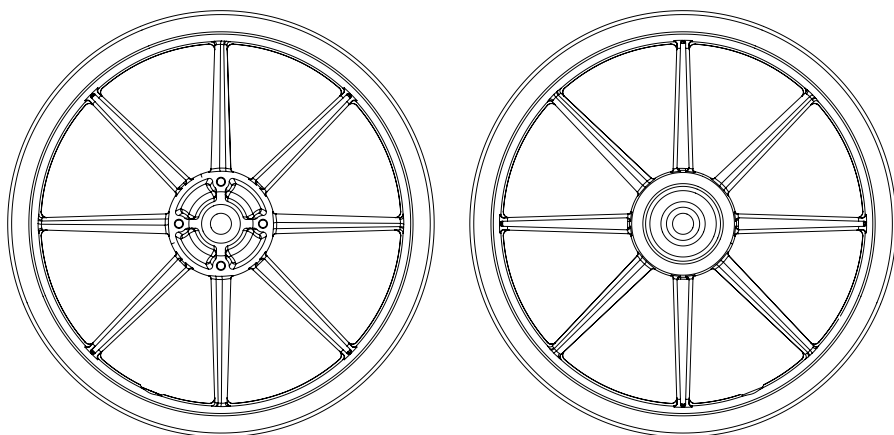
When cleaning the wheel sensor rotor, be careful not to damage the surface of the sensor rotor.

SP522



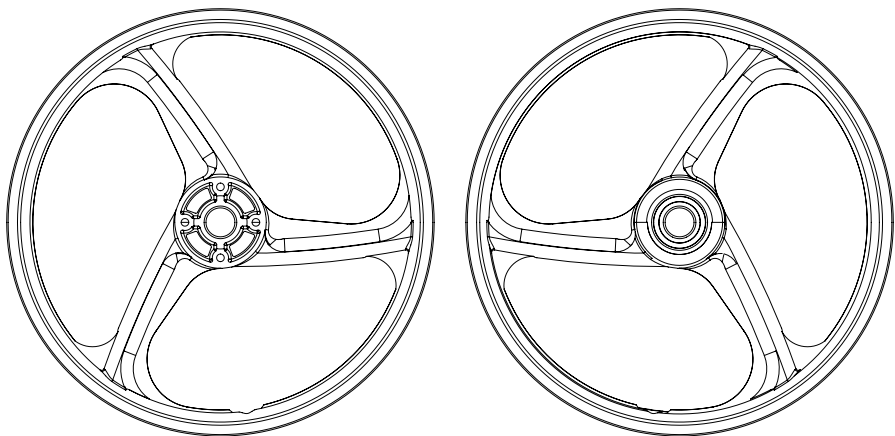
BIKE MODEL	SIZE	COLOUR
YAMAHA		
LC135/SRL	140x17(F) / 160x17(R)	Gold, Matte Black, Matte Grey
	160x17(F) / 185x17(R)	Gold, Matte Black, Matte Grey, Blue
LC5S	160x17(F) / 185x17(R)	Gold, Matte Black, Matte Grey
	185x17(F) / 250x17(R)	Gold, Matte Black, Matte Grey
Y15ZR	160x17(F) / 160x17(R)	Gold, Matte Black
	160x17(F) / 185x17(R)	Blue, Gold, Matte Black, Matte Grey, White
	185x17(F) / 250x17(R)	Blue, Gold, Matte Black, Matte Grey, White
FZ150I	250x17(F) / 350x17(R)	Blue, Gold, Matte Black, Matte Grey, White
	215x17(F) / 300x17(R)	Blue, Gold, Matte Black, Matte Grey, White
	185x17(F) / 250x17(R)	Gold, Matte Black
R15	250x17(F) / 350x17(R)	Gold, Matte Black
	185x17(F) / 250x17(R)	Gold, Matte Black
	250x17(F) / 350x17(R)	Gold, Matte Black
R25	300x17(F) / 500x17(R)	Gold, Matte Black
	140x14(F) / 160x14(R)	Blue, Gold, Matte Black, Matte Grey, White
	185x14(F) / 215x14(R)	Blue, Gold, Matte Black, Matte Grey, White
EGOLC	120x17(F) / 140x17 (R)	Gold, Matte Black
	140x14(F) / 160x14(R)	Blue, Gold, Matte Black, Matte Grey, White
	185x14(F) / 215x14(R)	Blue, Gold, Matte Black, Matte Grey, White
NMAX	120x17(F) / 140x17 (R)	Gold, Matte Black
	300x13(F) / 350x13 (R)	Gold, Matte Black
HONDA		
WAVE100	140x17(F) / 140x17(R)	Gold, Matte Black, Matte Grey, White
WAVE110	140x17(F) / 140x17(R)	Gold, Matte Black
RS150R	185x17(F) / 250x17(R)	Gold, Matte Black, Matte Grey
SONIC150	160x17(F) / 160x17(R)	Gold, Matte Black
BEAT/CLICK 110	140x14(F) / 160x14(R)	Gold, Matte Black
CLICK 125/150	140x14(F) / 160x14(R)	Gold, Matte Black
SUZUKI		
GSX150	215x17(F) / 300x17(R)	Gold, Matte Black, Matte Grey
KAWASAKI		
NINJA KRR/KR150	215x17(F) / 300x17(R)	Gold, Matte Black

SP811



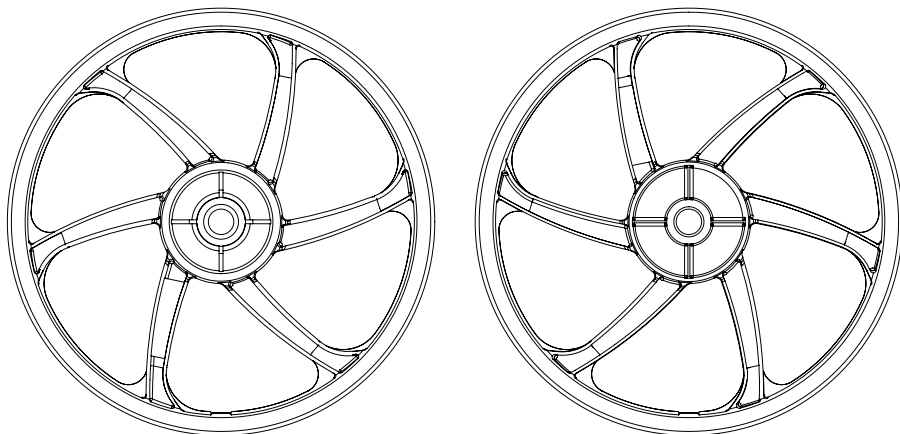
BIKE MODEL	SIZE	COLOUR
YAMAHA		
Y110	160x17(F) / 185x17(R)	White
LC5S	160x17(F) / 185x17(R)	Black, Orange, White
SRLZ	160x17(F) / 185x17(R)	Black, Orange, White, Matte Grey
RXZ	185x17(F) / 185x17(R)	White
FZ150I	185x17(F) / 275x17(R)	Black, White
EGO	185x14(F) / 215x14(R)	Black, Matte Black, Matte Grey, Orange, White
EGOLC	185x14(F) / 215x14(R)	Blue, Black, Matte Black, Matte Grey, Orange, White
EGOLC(3 HOLES)	185x14(F) / 215x14(R)	Matte Grey, Orange, White
NMAX	350x14(F) / 400x14(R)	Black, Gold, White, Matte Grey
NVX155(AEROX)	250x14(F) / 350x14(R)	Gold, White, Matte Grey
HONDA		
EX5	140x17(F) / 160x17(R)	Black, White
W100	140x17(F) / 160x17(R)	Black, Orange, White
W125II	160x17(F) / 185x17(R)	Black, Orange, White, Matte Grey
CLICK125	185x14(F) / 215x14(R)	Black, Orange, White, Matte Grey
BEAT/CLICK 110	185x14(F) / 215 x14(R)	Black, Orange, White, Matte Grey
SUZUKI		
RGS	160x17(F) / 185x17(R)	White
SMASH PRO	160x17(F) / 185x17(R)	Black, White
BELANG	160x17(F) / 185x17(R)	Black, White, Matte Grey
	160x17(F) / 215x17(R)	Black, Orange, White, Matte Grey
SKYDRIVE	185x14(F) / 215x14(R)	Black, Orange, White, Matte Grey
MODENAS		
KRISS	140x17(F) / 160x17(R)	White
KRISSII	140x17(F) / 160x17(R)	White
X-CITE	140x17(F) / 160x17(R)	White

SP399



BIKE MODEL	SIZE	COLOUR
YAMAHA		
SRLZ	160x17(F) / 185x17(R)	Black, Blue, Orange, White
LC5S	160x17(F) / 185x17(R)	Black, Orange, White
	160x17(F) / 215x17(R)	Black, White
LC135	185x17(F) / 215x17(R)	Black, White
HONDA		
W100	160x17(F) / 185x17(R)	Black, Blue, Orange, White
W110	160x17(F) / 185x17(R)	Black, White
W125II	160x17(F) / 185x17(R)	Black, Orange, White
SUZUKI		
RGS	160x17(F) / 185x17(R)	Black, White
SMASH PRO	160x17(F) / 185x17(R)	Black, White
MODENAS		
KRISS	160x17(F) / 185x17(R)	Black, White
KRISSII	160x17(F) / 185x17(R)	Black, White
X-CITE	160x17(F) / 185x17(R)	Black, White
GT128	160x17(F) / 215x17(R)	White

SP688



BIKE MODEL	SIZE	COLOUR
YAMAHA		
Y100	140x17(F) / 140x17(R)	Black, White
Y110	140x17(F) / 140x17(R)	Black, White
SRLZ	140x17(F) / 160x17(R)	Black, White
Y125Z	140x17(F) / 160x17(R)	Black, White
HONDA		
EX5	140x17(F) / 140x17(R)	Black, White
W100	140x17(F) / 140x17(R)	Black, White
W110	140x17(F) / 140x17(R)	Black, White
W125	140x14(F) / 140x14(R)	Black, White
W125II	140x14(F) / 140x14(R)	Black, White
FUTURE FI	140x14(F) / 140x14(R)	Black, White
CLICK	140x14(F) / 140x14(R)	Black, White
SUZUKI		
RC	140x17(F) / 140x17(R)	Black, White
RGS	140x17(F) / 140x17(R)	Black, White
SMASH PRO	140x17(F) / 160x17(R)	Black, White
STEP 18T	140x17(F) / 140x17(R)	Black, White
MODENAS		
KRISS	140x17(F) / 160x17(R)	Black, White
KRISSII	140x17(F) / 160x17(R)	Black, White



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