

STATE



STATE BICYCLE CO. ALL-ROAD SUSPENSION FORK

Weight: 1.6Kg

Wheel Size: 700c & 650b

Travel: 40mm

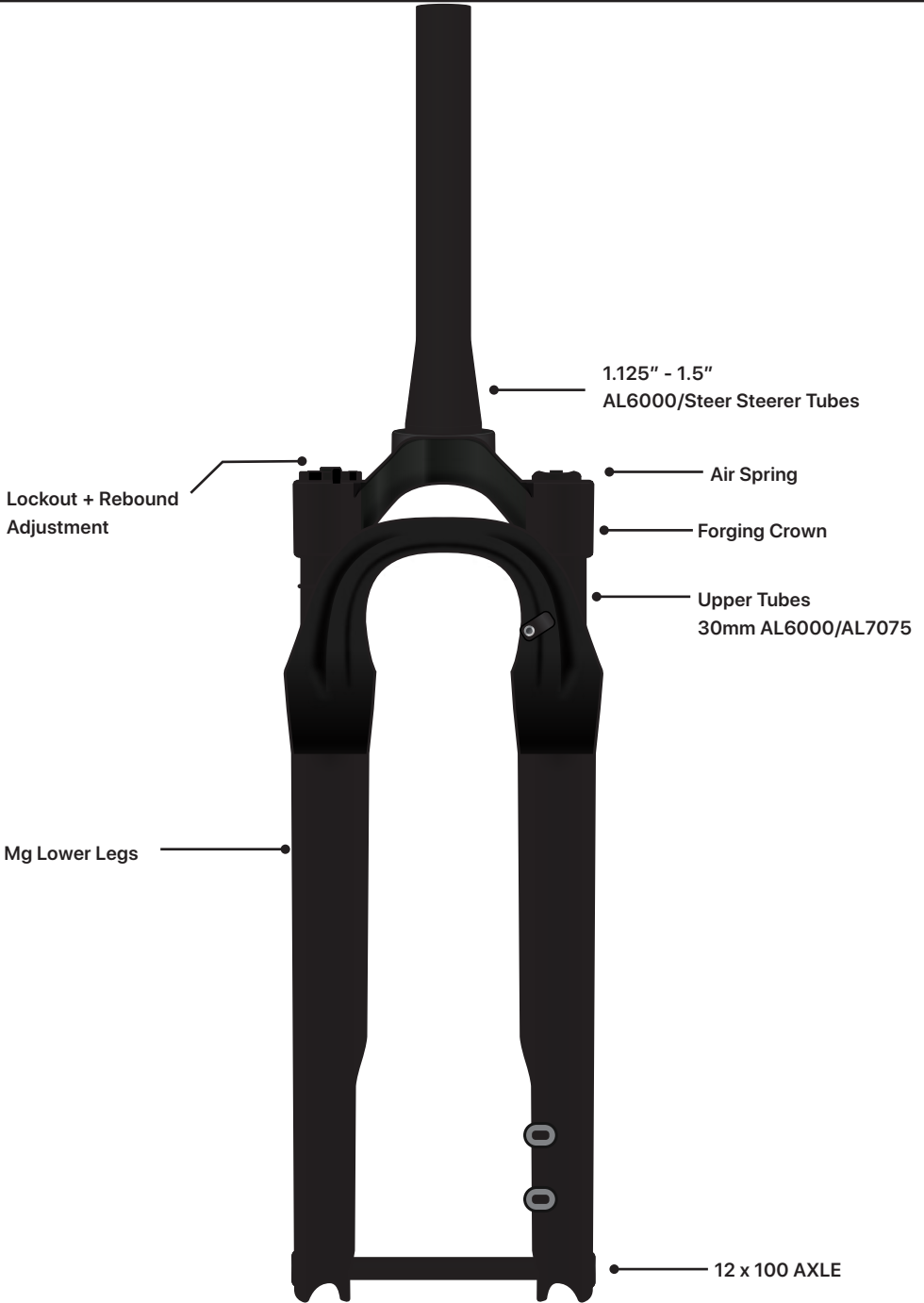
Rake: 52mm

Axle to Crown: 440mm

Suspension Type: Air Suspension

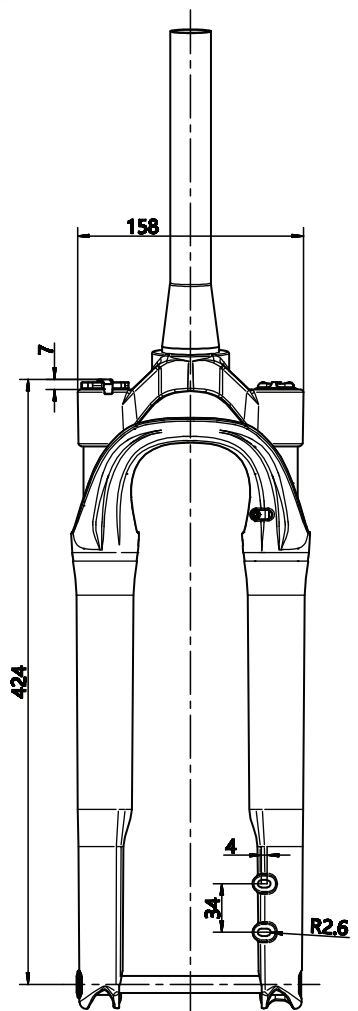
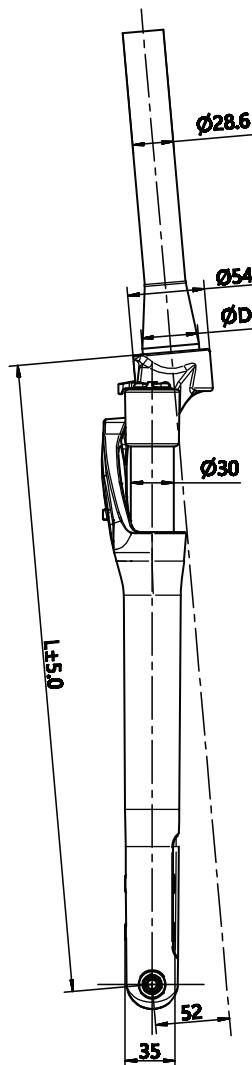
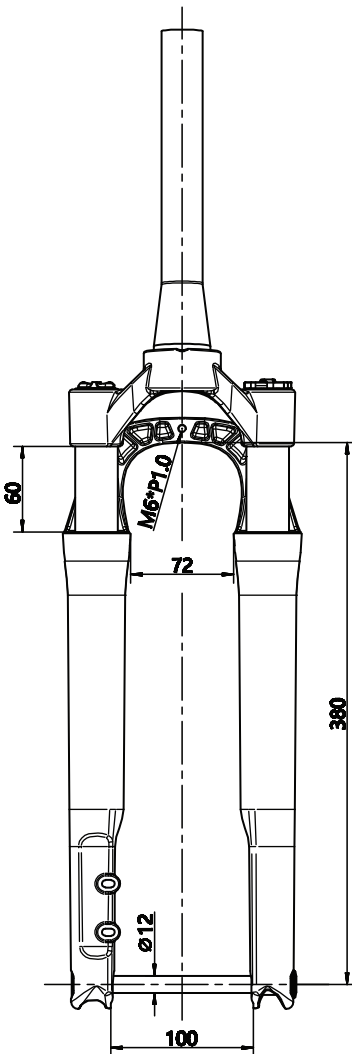
Diameter of Fork Stanchion: 30mm

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- 1 Length tolerance of lower legs $\leq 1\text{mm}$
- 2 Height tolerance of lower legs $\leq 1\text{mm}$
- 3 Degree of symmetry lower legs $\leq 1\text{mm}$
- 4 Length of Fork $L=440\text{mm}$ (Travel =40mm)
- 5 Steerer Tube: 28.6*39.8mm Diameter
- 6 If using a 140mm rotor, assemble the brake without adaptor and use 48.2mm bolts (2pcs)
- 7 If using a 160mm rotor, assemble the brake with Shimano SM-MA-R160DDA adaptor or other compatible brands, and use 41.8mm bolts (2pcs)





Intro

Congratulations on the purchase of your new STATE BICYCLE CO. suspension. All of our products are made with the highest quality parts and backed by extensive R&D and ride testing. These products are derived from the passion we have for designing and riding the best bicycle suspension products available. Before you go out to share our common passion, please read this manual carefully. It will provide you with important information regarding installation, use, care & maintenance, and the warranty for your new suspension.

WARNING!!

Do not use STATE BICYCLE CO. bicycle suspension products on any motorized bicycle, motorized cycle or motorized vehicle, or on any vehicle carrying more than one operator or rider, such as a tandem bicycle. Any such misuse may overload the suspension and result in failure of the suspension. Suspension failure may cause a crash and result in property damage, SERIOUS INJURY, OR DEATH. Misuse of STATE BICYCLE CO. suspension products voids all STATE BICYCLE CO. warranties.

WARNING!!

STATE BICYCLE CO. suspension products contain pressurized nitrogen, air, or both. DO NOT puncture, incinerate, or crash any portion of a STATE BICYCLE CO. suspension product, unless expressly instructed to do so by the applicable STATE BICYCLE CO. technical documentation, and then ONLY while strictly adhering to all STATE BICYCLE CO. instructions and warnings in that instance. Failure to do so could result in SERIOUS INJURY OR DEATH.

WARNING!!

Modification, improper service, or use of aftermarket replacement parts with STATE BICYCLE CO. fork and shocks may cause the product to malfunction, resulting in SERIOUS INJURY OR DEATH. Do not modify any part of a fork or shock, including State Bicycle Co. the fork base (lower leg cross base), crown, steer, upper and lower leg tubes, or internal parts. Any unauthorized modification voids all warranties and may cause the failure of the fork or shock, resulting in SERIOUS INJURY OR DEATH.

WARNING!!

Make sure that your wheels and wheel axles are securely fastened before riding, in accordance with the bicycle owner's manual instructions. Wheel not properly secured to the bicycle may cause a crash and result in property damage, SERIOUS INJURY, OR DEATH.

WARNING!!

When using a quick release mechanism to secure the front wheel into the STATE BICYCLE CO. fork that is equipped with a disc brake system and open dropouts, be sure that you adjust the quick release mechanism properly before closing it. A maladjusted quick release mechanism can lead to the front wheel suddenly separating from the bicycle at any time, including State Bicycle Co. and especially when the front brake is applied. Front wheel separation during a ride can result in SERIOUS INJURY OR DEATH. Please follow the manufacturer's recommended instructions for installation of the wheel securing device.

WARNING!!

Any improper servicing procedure with STATE BICYCLE CO. air shocks in the "stuck down" condition can lead to SERIOUS INJURY OR DEATH. Contact STATE BICYCLE CO. or an Authorized Service Center for repair.

Service Charts

Forks

Maintenance	Interval (Hours)
Clean dirt and debris from stanchion tubes	Every ride
Check air pressure (air forks only)	Every ride
Check torque on STATE BICYCLE CO. Axle	Every ride
Clean and lubricate air spring assembly	50
Clean and lubricate coil spring assembly (coil forks only)	100

*Service must be performed by an Authorized Service Center STATE BICYCLE CO. Manufacture Warranty

Guarantee

STATE BICYCLE CO. provides a 12-month warranty on all suspension products to cover defects in materials and/or workmanship. This warranty only applies to the original owner and is not transferable. To make a warranty claim, you must provide proof of purchase within the 12-month warranty period begins the date of purchase and will expire exactly 12 months later.

The acceptance of a warranty claim during the 12 months period is up to the discretion of STATE BICYCLE CO. or any Authorized Service Center acting on its behalf. STATE BICYCLE CO. or its agents will determine if the failure is due to workmanship, defects in materials or product abuse. The warranty guarantee will be void if the buyer does not inform the seller of the damage after its discovery within 60 days. STATE BICYCLE CO. and its agents reserves the right to all final warranty or non-warranty claims.

To maintain valid the general guarantee conditions for all STATE BICYCLE CO. shocks it is absolutely necessary that the buyer execute the periodical maintenance and that cleaning and maintenance are carried out according to the maintenance chart within the owner's manual.

Limitations of Warranty

General Exclusions from this warranty shall include but are not limited to any failures caused by:

- Installation of parts or accessories that are not qualitatively equivalent to genuine STATE BICYCLE CO. parts/
- Abnormal strain, neglect, abuse and/or misuse.
- Accident or collision damage.
- Modification or original parts.
- Lack of proper maintenance (see maintenance schedule)
- Any attempt to disassemble damper assembly.
- Shipping damages or loss (purchase of full value insurance is

recommended)

- Damage to interior or exterior caused by improper cable routing, seat post, rocks, crashes, or improper installation.
- Oil changes or service not performed by STATE BICYCLE CO. Authorized Service Center.

Specific exclusions from this warranty include:

- Parts replaced due to normal wear and tear and /or routine maintenance: Bushings and reducers, seals, suspension fluids.
- STATE BICYCLE CO. makes no other warranty of any kind, expressed or implied. All implied warranties of merchantability and fitness for a particular purpose that exceed the obligations and time limits stated in this warranty, are hereby disclaimed by STATE BICYCLE CO. and excluded from this warranty.

WARNING!!

It is extremely advisable to have a qualified bicycle service technician install your new STATE BICYCLE CO. fork onto your bicycle. If you have any doubt whether you can properly install your fork, then do not attempt it. Improperly installed forks can fail, causing the rider to lose control resulting SERIOUS INJURY OR DEATH.

WARNING!!

Prior to any cutting, consult your headset and stem manufacturer's instructions to ensure that you have enough steer tube length for clamping the steer. DO NOT notch, cut, mark or otherwise damage any other parts of the steer tube below the cut area as this can cause the steer tube to fail causing SERIOUS INJURY OR DEATH.

Cutting Steer Tubes

Prior to cutting the steer tube, refer to your stem manufacturer's instructions to ensure that you will have enough steer tube length for clamping the steer. Make the steer tube accordingly and cut it to proper length.

WARNING!!

If the steer tube has any nicks or gouges, the crown steer tube assembly must be replaced. A nick or gouge can cause the steer tube to fail prematurely, resulting in a loss of control of the bicycle and SERIOUS INJURY OR DEATH.

Always use a new threadless headset and follow the headset manufacturer's installation instructions.

WARNING!!

Never attempt to cut threads into the threadless steer can cause the steer tube to fail prematurely, result in a loss of control of the bicycle and SERIOUS INJURY OR DEATH.

Use a 3/8 inch crown race for 1 1/2" steer tubes and a 29.9 mm crown race for 1 1/8" steer tubes. Install the star nut into the steer tube, in accordance with the star nut manufacturer's installation instructions.

For Single Crown-Steer STATE BICYCLE CO. forks

Install the headset bearing parts and stem in accordance with the headset manufacturer's instructions and adjust the headset preload accordingly until you feel no excessive play or bearing drag.

Tighten the stem clamping bolts to the stem manufacturer's torque specifications. Install the brakes according to the stem manufacturer's instructions.

Route the front disc brake housing to the inside of the lower leg, and through the supplied disc brake housing guide.

WARNING!!

Do not allow disc brake cable to come into contact with the front wheel, tire, or other moving parts of the bicycle. To confirm the cable is safely routed, have a qualified bicycle technician inspect your bicycle. Improperly brake cable installation can result in SERIOUS INJURY OR DEATH.

Caution

Cable housing contacting the fork the "front crown" will cause abrasion damage to the crown over time. If contact is unavoidable, use vinyl tape or similar protection to cover the point of contact. The STATE BICYCLE CO. warranty does not cover abrasion damage to the STATE BICYCLE CO. FORK CROWN.

Caution

If your fork loses oil, tops or bottoms out excessively, or makes unusual noises, immediately contact STATE BICYCLE CO. or an Authorized STATE BICYCLE CO. Service Center for an inspection or repair service.

CAUTION

Never use a power washer to clean your State Bicycle Co. fork.

Install Axles

Position your front wheel (without the axle axle) into the dropouts of the lower fork leg. Position the brake rotor between the brake pads of the disc caliper as you seat the hub shoulders squarely and firmly into the dropout counterbores.

WARNING!!

As dirt and debris can accumulate between the fork axle openings, always check and clean these areas before installing the wheel. Improper hub and axle installation can result with SERIOUS INJURY OR DEATH.

Insert the axle into the fork dropout and slide it all the way through the hub, until you contact the axle nut on the opposite side.

Thread the axle through the hub and into the opposite fork leg until it becomes firmly snug. Using hand strength only, rotate the axle lever to its fully secured position with the palm of your hand. Do not use any kind of hand tool to increase leverage.

The minimum amount of torque to hold the axle in place is 70 inch pounds or 80 kg/cm. The maximum amount of torque is 100 inch pounds or 115kg/cm.

To set the axle in a safe location unscrew the hex key and place the lever in a non-vulnerable position. The lever should be positioned between one(1) and between twenty(20)mm forward of the fork leg.

CAUTION

Positioning the tightened axle lever below the fork leg dropout may leave it vulnerable to hitting objects on the trail, posing a potential risk of suddenly loosening the axle. Position the tightened axle lever in front of the fork leg as instructed, to minimize this risk.