IMPORTANT NOTICE
This HC1 Type Radial Master Cylinder uses Magura “HARD CORE” piston technology. It means that the primary seal is mounted in the cylinder wall and the slotted piston travels through the seal. This technology is considered by Magura to be good for a minimum of 10 years or 100,000 kilometres. HC1 master cylinder service can only be carried out via Moto-Master or at a certified MAGURA Service point. The reason for this is the primary seal which must be mounted correctly within the master cylinder and certified as correctly installed. Therefore there are no do-it-yourself-revision kits available for HC1 type master cylinders.

HC1 also uses ADVANCED SECONDARY SEAL TECHNOLOGY
The rear piston seal has been specially designed to prevent the introduction of air through secondary seal ingress. The advanced X-Ring seal design eliminates this problem which is common on racing motorcycles at higher RPM.

SPARE PARTS
Moto-Master offers spare parts to keep your Master Cylinder in perfect working condition. Check the product numbers of the available spare parts below:

213061 Lever [black]
213008 Pressure pin
213009 Bleeder nipple
213060 Brake fluid reservoir [smoke] (excl. cap)
213010 Reservoir cap [black]
213002 Brake light switch
213017 Single banjo bolt (incl. 2x copper washer)
213007 Double banjo bolt (incl. 3x copper washer)

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GENERAL WARNING: Consult a certified dealer of professional mechanic if you are not fully qualified in motorcycle maintenance. Moto-Master cannot be held accountable or responsible for any damage or injury caused by incorrect product mounting, disregarding specifications and these instructions, or product mounting by an unqualified third party.

V2020.1

MOUNTING & SAFETY INSTRUCTIONS

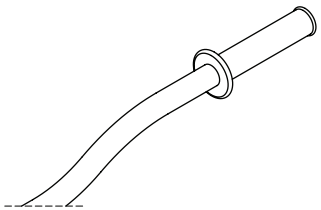
RADIAL MASTER CYLINDER

Thank you for purchasing this Moto-Master quality product!
Moto-Master represents one of the finest lines or replacement and high performance brake systems available.

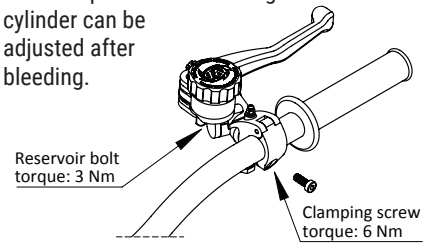
MOTO-MASTER.**COM**

MOUNTING & SAFETY INSTRUCTIONS

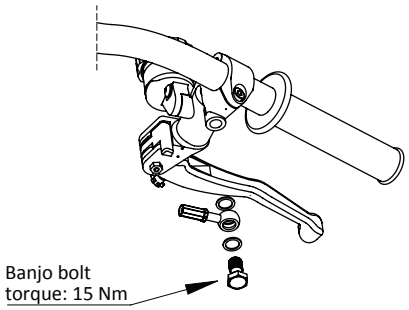
STEP 1
Remove existing master cylinder with brake line from the handlebar. Clean master cylinder mounting surface on the handlebar. Avoid spilling brake fluid.



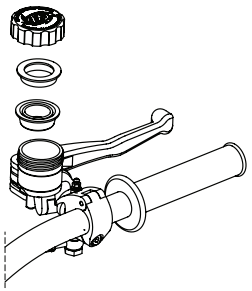
STEP 2
Install the Moto-Master Radial Master Cylinder and make sure the bleeder nipple is positioned at the highest point. Level the brake fluid reservoir horizontally and fasten the bolt of the reservoir clamp. Do not over tighten the reservoir clamp bolt. The final angle of the master cylinder can be adjusted after bleeding.



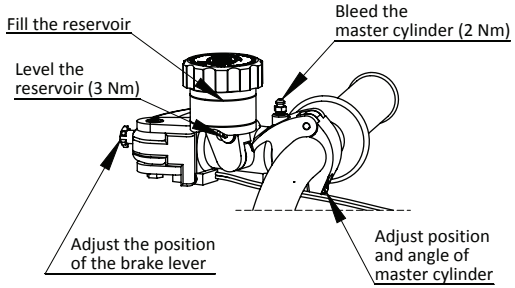
STEP 3
Install brake line as depicted; Using the banjo bolt and placing the brake line fitting in between two copper washer rings. Torque tighten the banjo bolt at 15Nm.



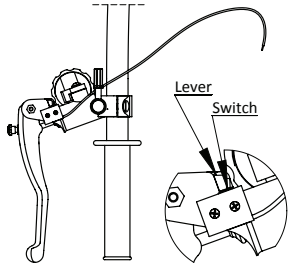
STEP 4
Remove the filler-cap and seal. Fill the reservoir with new DOT 4 brake fluid or higher. Pump the brakes and keep the fluid level between Min and Max mark on the reservoir. Bleed the brake system of all air using the bleeding nipple on brake Caliper and Master Cylinder.



STEP 5
Fine-tuning of the Master Cylinder:

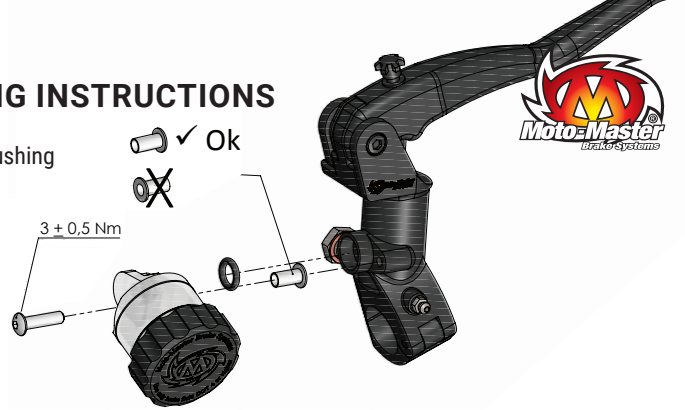


STEP 6 (OPTIONAL): BRAKE LIGHT SWITCH
Install 213002 brake light switch using the screws supplied in the kit. Make sure to position the switch contact against the lever.



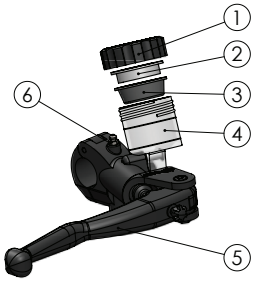
RESERVOIR MOUNTING INSTRUCTIONS

Make sure you mount the flanged bushing in the indicated direction (Ok).

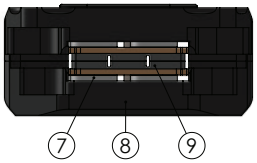


RESERVOIR FILLING INSTRUCTIONS FOR RACING USE

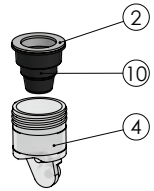
This filling instruction should only be carried out with a new set of brake pads and with the brake disc within the tolerable wear limits.



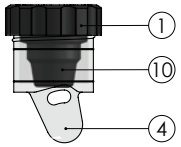
STEP 1
Remove the lid (1), ring (2) and bellows (3) from the reservoir (4). Fill the reservoir (4) with new DOT4 / DOT5.1 brake fluid. Actuate the brake lever (5) and keep the brake fluid above the MIN-mark on the reservoir (4). Bleed the brake system of all air using the bleed valves on brake caliper and master cylinder (6).



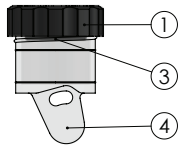
STEP 2
Remove the brake caliper (8) from the bike. Pump the brake caliper cylinders (7) out of the caliper (8) by actuating the brake lever (5) until the brake pads (9) touch each other. Make sure the brake fluid level does not drop below the MIN-mark on the reservoir (4).



STEP 3
Fill the reservoir with brake fluid up to the MAX-mark on the reservoir (4). Insert the fold out bellow (10) and ring (2) into the expansion reservoir (4), so there is no air between the bellow (10) and the brake fluid.



STEP 4
Close the reservoir (4) with the lid (1). The bellow (10) should still be fold out with no air between the bellow and the brake fluid.



STEP 5
Push the brake pads (9) and caliper cylinders (7) back into the brake caliper (8). The bellow (10) will be pressed together into the folded state (3) by the brake fluid that enters the reservoir (4). Mount the brake caliper (8) in the correct position on the bike.