

Marlin's Handlebar & BC Mount X10 Sport Compass Installation

Please read carefully before you start installation.

Please keep all original packaging and all parts that came with this compass in case of return.

If you return the compass for credit it must be returned in saleable condition or you will be charged for parts that are damaged or lost.

It is strongly suggested you read these and all instructions included with this compass so it will perform at an optimal level.

If you have a problem or require technical assistance just call Marlin's for help at 800-777-5543 or call Ritchie



Marlin's X10 Sport Compass is sold with specific mounting options; mounts for three handlebar diameters (1" or 7/8", 1 1/4" & 1 1/2") or BC (Brake/Clutch Control) holder. The BC (Brake/Clutch Control) holder will go on the clutch or brake control housing or a windshield or any other appropriate spot.

Tip: You may want to finger tighten - assemble the unit to get a better idea of space requirement and positioning then disassemble for final installation.

Tip: The swivel adapter allows for a great range of adjustment so take a few moments to consider all the different positions and mounting possibilities.

- #1 Hold the compass head in hand without any magnetic interference in proximity to the unit and identify magnetic north. Mark or denote that direction with a landmark or placed item like a can or bottle on the ground.
- #2 Move the vehicle so that it faces north as you have marked.
- #3 With the compass head in hand move the compass head to the spot on the vehicle you wish to mount to and evaluate the suitability. Make sure there is not overwhelming magnetic interference and there is sufficient mounting area and clearance. **The compass will need to be level and facing forward for best results. Items like speakers containing magnets or cell phones create a magnetic field the compass will not be able to compensate for.**
- #4 Now that you have a clear idea of the mounting position and that there is no outside interference you can begin mounting the compass to the vehicle.

For HANDLEBAR MOUNTS: Start by removing the two screws from the back side of the bar mount and place the two halves around the bar and replace screws (you may want to leave the screws a little loose so you can make fine adjustments once the compass is mounted) then using the two remaining allen screws on the adapter part of the mount make the adjustments to ensure the compass is facing forward and level. (You may choose to use some blue thread locker on these screws to prevent movement. As shown in Fig. 1)

For BC Brake/Clutch MOUNTS: Start by removing one of the two screws (in most cases it will be the top, if using the bottom make sure you have clearance not to hit tank) from the brake or clutch control housing. Place the BC Bracket in place and replace the screw to secure the bracket.) using the two remaining allen screws on the adapter part of the mount make the adjustments to ensure the compass is facing forward and level. (You may choose to use some blue thread locker on these screws to prevent movement. As shown in Fig. 1)

IMPORTANT INSTALLATION NOTE: When installing the BCM Compass on a metric bike or bike with a perch clamp that uses a recessed bolt it will be necessary to add a washer or spacer and possibly use a longer bolt to assure the mount sits properly and the perch clamp remains tight.



#5 If you have not secured the allen screw shown in Fig. 1 at this point understand once the compass is installed on the mount it is not accessible any longer. You would have to remove the compass again to tighten or move it.

#6 Put the compass head in place by inserting it between the U shaped swivel adapter legs and insert a screw in each side using the washers supplied between the plastic housing and the legs of the adapter. (Shown in Fig. 1) Finger tighten the screws on each side, then tighten evenly being very careful not to over tighten and strip the tapped holes in the compass body.

#7 Wire the light to a 12V power source if you choose to use the light - see more below (most choose an auxiliary point or wire that becomes hot with the lights on)

#8 Finish the installation by referring to the separate sheet of instructions detailing fine adjustments and details.

Fig. 1 Compass Adapter Swivel Mount



You can replace the light if it burns out. Also, if you do not want the light you can remove it and the wire.

Carefully lift the lid off here. →

You do not need to cut the wire to the light it can be used later if you choose.

IMPORTANT
DO NOT OVER TIGHTEN SCREWS AS IT WILL CAUSE DAMAGE!



Fig. 2

Please contact Marlin's for service before returning item to dealer



Technical support: 248-683-1536
www.marlinlocks.com