Backlash Adjustment for DiSEqC Motor SG2100

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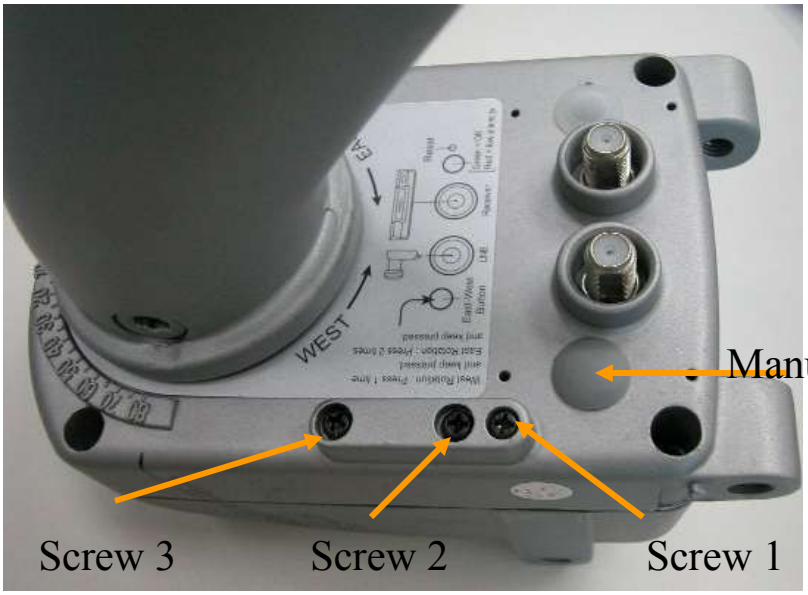
1. Due to the DiSEqC system is very sensitive to power consumption, it is recommended to put a meter in series connection to coaxial cable to measure the power consumption during adjustment. Make sure the power consumption is always less than 300mA (with Antenna and without LNB) or less than 210mA (without Antenna & LNB). If the meter is not available or you not familiar with the electronics, try to listen to the noise of the motor. The motor must always run smoothly. Tightening too much will cause the motor to sound like it is working hard.

2. Drive the motor to the center via the manual button for a easier adjusting position.

Center



3. Loosen the Screw 1 for 2~3 turns counter clockwise.
Then loosen the Screw 2 & 3 for 1 turn counter clockwise.

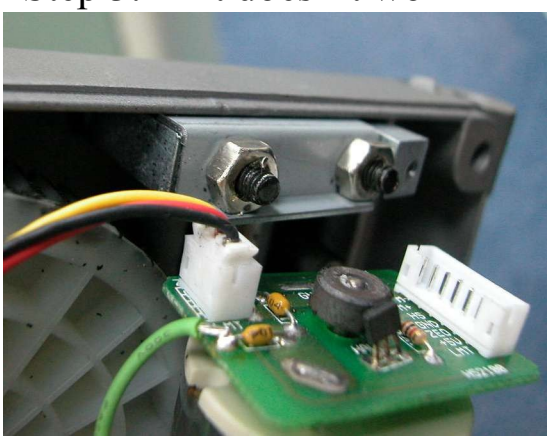
4. Hammer the Screw 1, 2 & 3 slightly via another screw driver or smaller hammer as right picture.

5. Start to tighten the screws to reduce the backlash. During the adjustment, always drive the motor east / west via the manual button to make sure the Motor runs smoothly (or the power consumption is less than 300mA w/ antenna & w/o LNB) after fine-adjustment on the screws as step 6.

6. Tighten the Screw 1 clockwise for 1~2 turns. Tighten the Screw 2 & 3 for ¾ turns. Check if the backlash is improved by pushing the antenna by hand.

7. Repeat Step 6 but with less turns until the backlash is improved. Make sure the screws are not tighten too much via the power consumption or motor noise.

8. If the above does help, try once again from Step 3. If it doesn't work again, contact the vender.



p.s. The picture at right is the normal condition for the adjustment mechanism inside the motor.