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M4 motordrive for EQ3: instructions manual

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Instructions: motor drive for telescopes with EQ3 mounts

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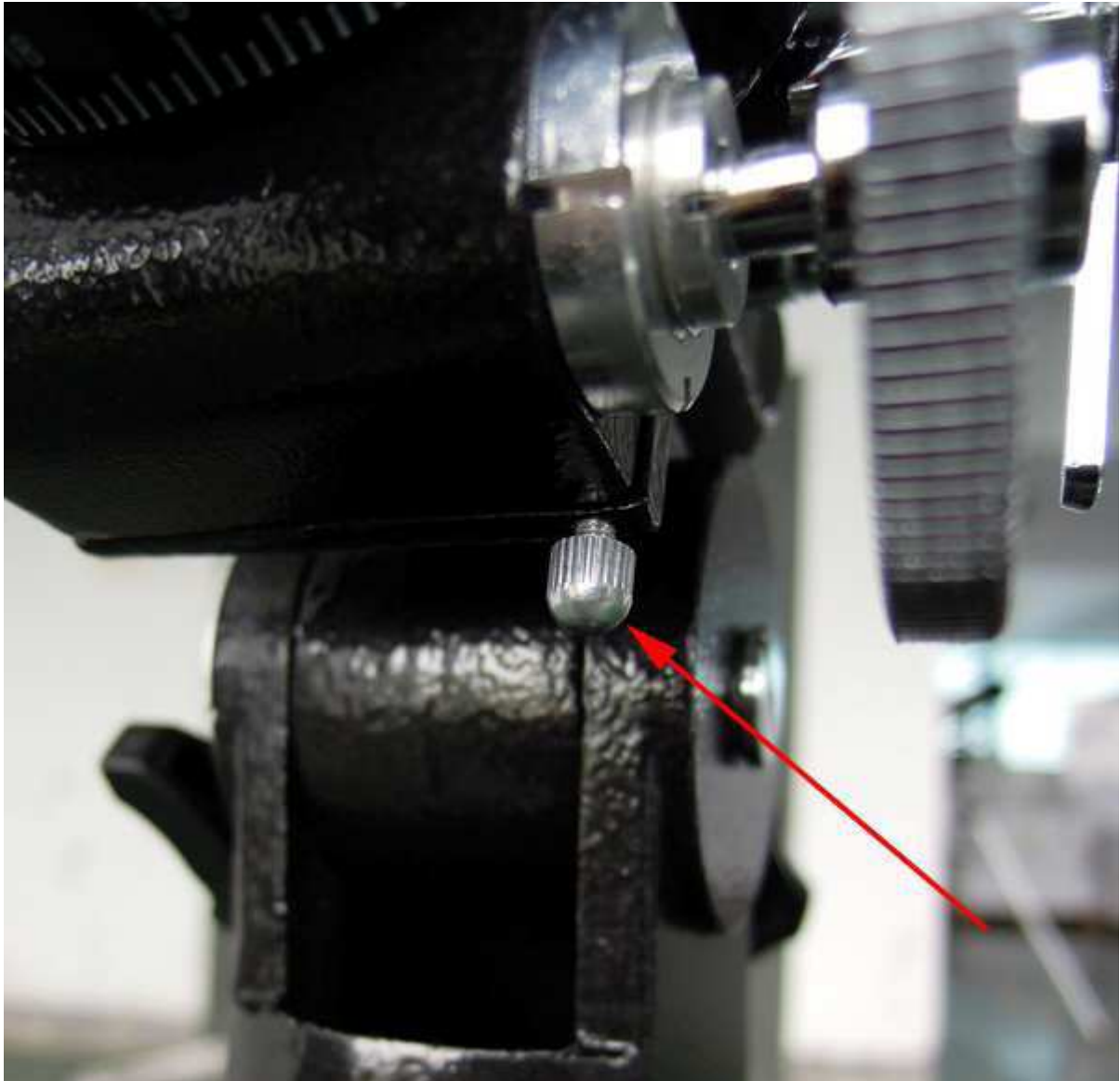
1. Technical terms:

- #1 Gear
- #2 Clutch
- #3 Support



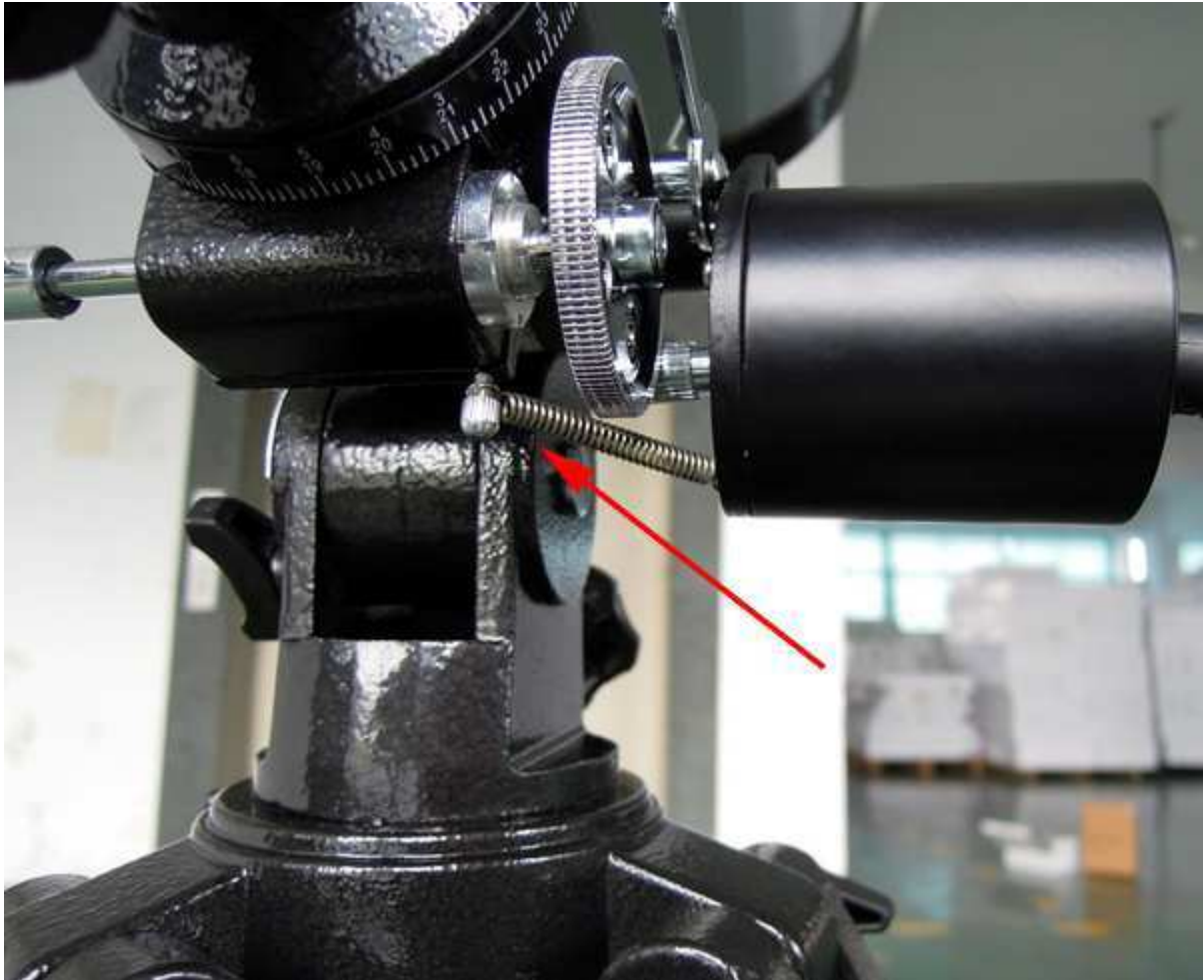
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2. Please loosen the following screw and take it off completely:



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3. Install the spring as the following picture shows and fasten the screw again:



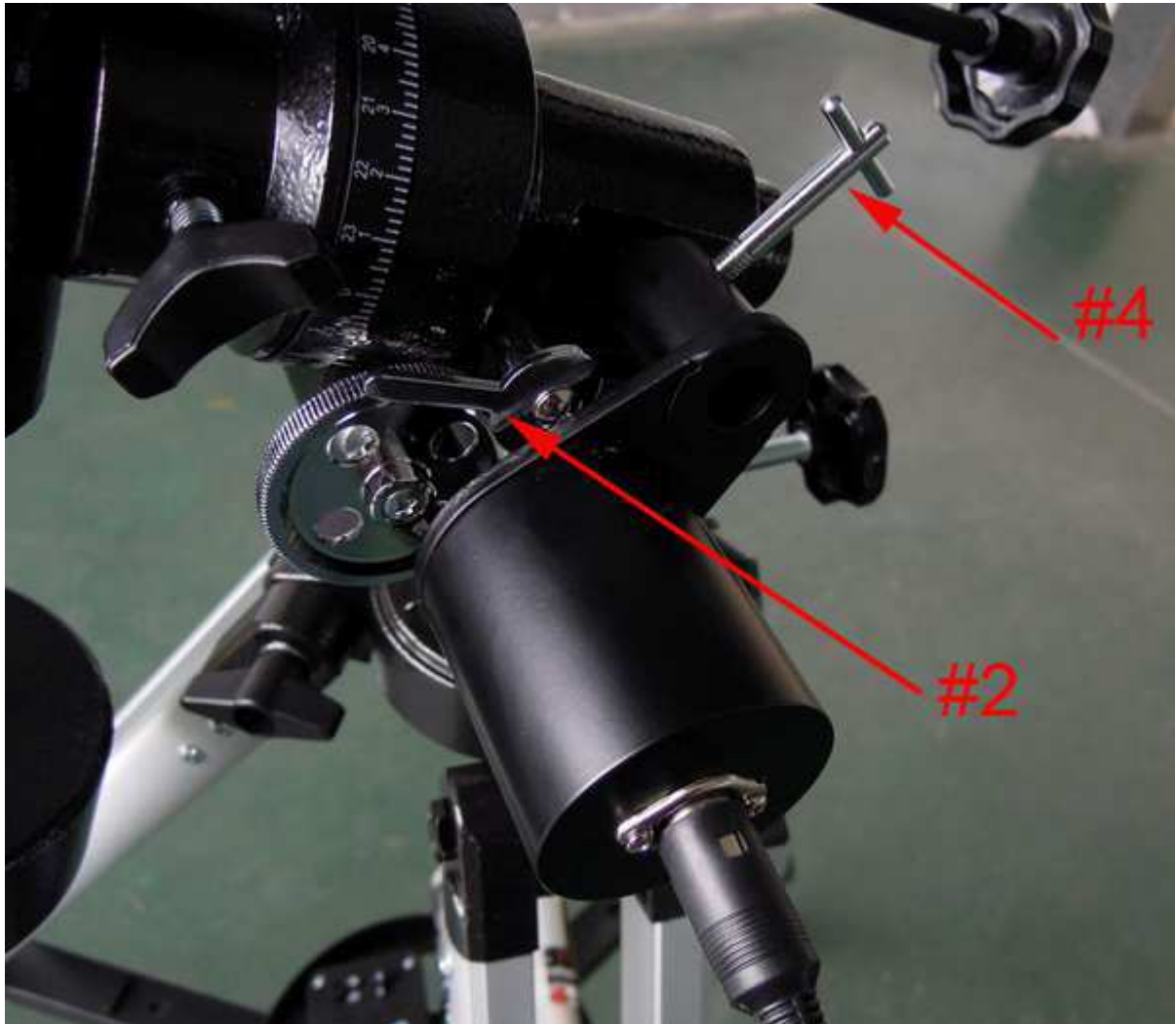
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4. Then install the motor drive to the support (#3) as the following picture shows. You might need to pull back the motor drive a little bit harder due to the spring that holds the gears in position.



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5. Then fasten the locking handle (#4). Make sure the clutch (#2) is in the same position as the following picture shows. In locking position all gears engage perfectly. If you turn the clutch (#2) in the other position you loosen the motor drive again.



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6. As soon as you have connected the motor drive to the battery box and the hand controller it is ready to use. If you want to drive your telescope by hand, please turn the clutch (#2) into opening position and use the flexible cable control.



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7. The hand controller

- Please choose whether you want to use the motor drive in the northern (N) or southern (S) hemisphere.
- Turn the motor drive on (ON).
- If you don't press any of the four buttons after turning the motor drive on, the motor drive will turn with 1x sidereal tracking speed. The movement is very slow and can hardly be observed. The rate of earth's rotation is exactly countered.
- If you press „8x“ (top right + top left) or „2x“ (bottom right) tracking speed is accelerated accordingly. The arrows below the buttons indicate the direction of the movement.
- If you press pause (bottom left), the motor drive stops driving.
- If you press none of the four buttons, the LED will be green.
- If you press any of the four buttons, the LED turns red.
- If the green LED is blinking, you'll have to change batteries soon.
- The bottom left cord (R.A. motor) connects the hand controller to the motor drive
- The bottom right cord (DC power) connects the hand controller to the battery box.
- You need to insert 6x D cells into the battery box. Please insert batteries only when the motor drive is turned off. Minus (-) needs to be faced to the battery spring.

