

## How to check and fix PG AutoRotate system

If a PG's AutoRotate system does not engage, you can check the PG's AutoRotate hardware to see if its is operating correctly.

1. Do you hear a click when the display first shows "ACCELERATING" on the top line? This is the engagement solenoid or motor turning on. If you do not hear a click, then you do not need to continue to step 2. The engagement solenoid may need to be replaced. Contact DHI or your local DHI representative.
2. Turn off the PG. Then remove the mass bell. Near the mounting post, there is a circular metal plate on the PG that is held in place by three screws. The three outer screws holding the plate to the base can be removed, and the plate can then be taken off the base. If the PG's hardware is in the correct position, it should look like figure 1 below. There is a white pin in a metal slot. The pin should be about 2mm from the end of the slot as shown.



Figure 1: In a normal AutoRotate system, the white pin should be about 2 mm from the end of the slot when idle (solenoid is not engaged).

In some PG's, the white pin will be moved to the wrong position, as shown in Figure 2. If this is the case, loosen the metal screw shown in Figure 2. Adjust the pin position so that it is approximately 2 mm from the end of the slot. A small allen wrench can be put between the pin and the slot during tightening to ensure that the pin will remain approximately 2mm from the end of the slot Retighten the metal screw to fix the white pin in its new locataion.

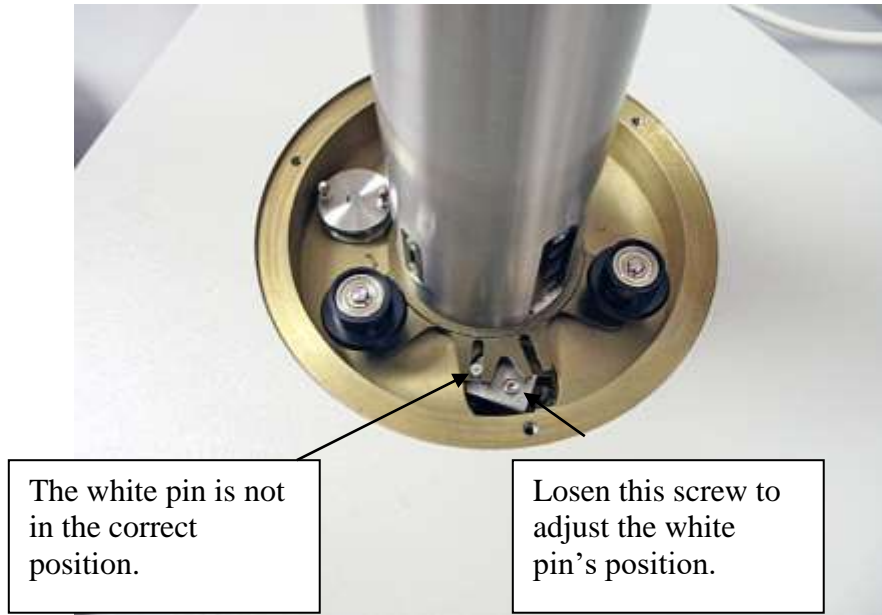


Figure 2: The white pin is in the wrong position. The pin's position can be adjusted if the metal screw is loosened. Tighten the metal screw when the pin is in a good position.

Figure 3 shows the correct position when the solenoid is in the engaged position. You can manually rotate the assembly to check that the white pin does not go out of the slot when the solenoid is engaged.



Figure 3: The solenoid is engaged and the white pin is in the correct position.



Figure 4: The solenoid is engaged and the white pin is in the wrong position

It is a good idea to check the drive belts (actually o-rings) while the PG is disassembled. They can be replaced if necessary.