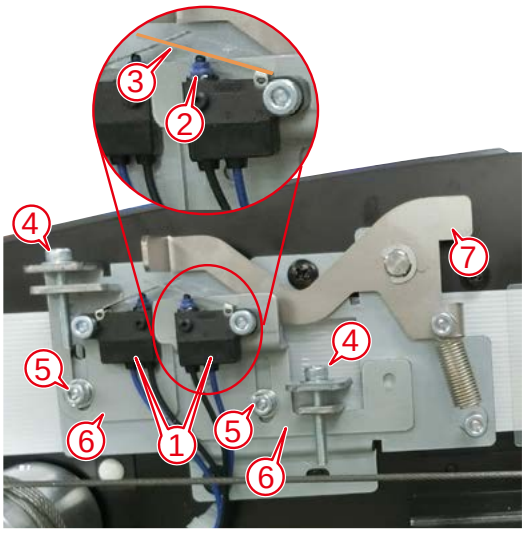
For safe engraving, perform this adjustment if the cover switch position is moved such as the cases you remove the front cover or replace the cover switch.

CAUTION

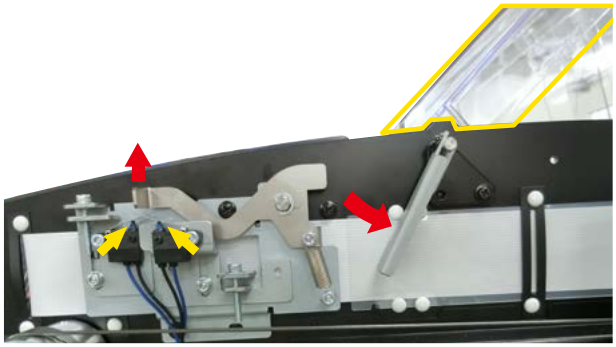
3D-PIT monitors ON/OFF of the cover switch. There are two cover switches. Unless both of them work properly, [OFF] is displayed in 3D-PIT and you cannot perform this adjustment.

1. Cover switch
2. Switch of cover switch
3. Plate of cover switch
4. Adjustment screw
5. Fixing screw
6. Metal plate
7. Lever

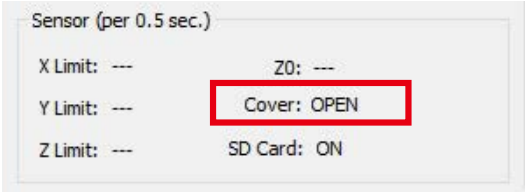


When cover switch is OFF (front cover is open):

Cover switch state

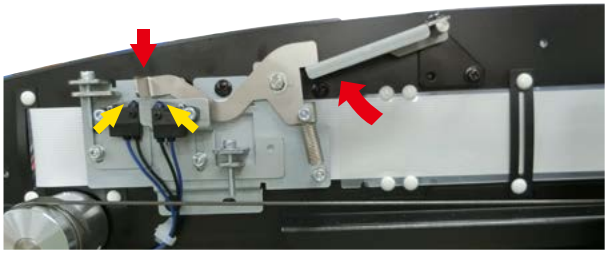


3D-PIT display screen



When cover switch is ON (front cover is close):

Cover switch state



3D-PIT display screen

Information

Necessary tools

General tools
No.2 Phillips screwdriver
Slide caliper

Special tools
None

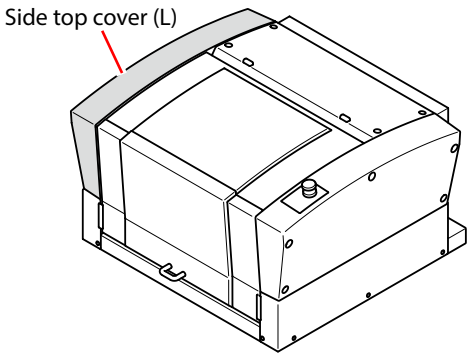
Software
3D-PIT

Typical work time

Contents of work	Time
Cover Switch Adjustment	30 min.

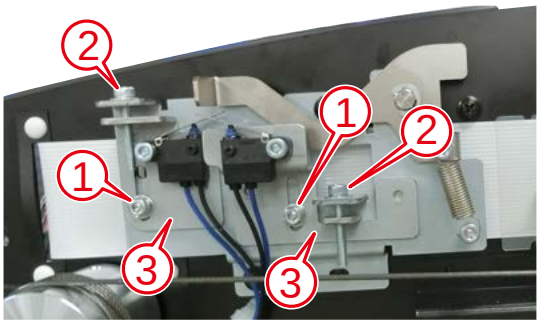
Procedure

1. **Turn off the power switch, and then unplug the power cord.**
2. **Remove the side top cover (L).**



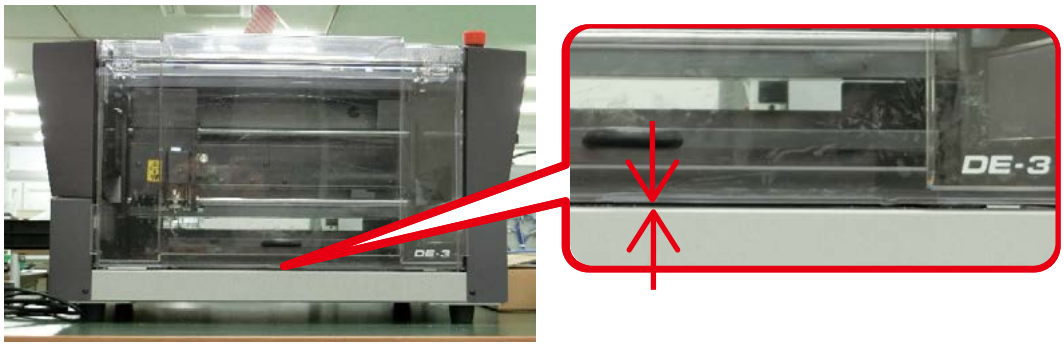
3. **Loosen two fixing screws, and then fully loosen two adjustment screws. Move down the metal plate that secure the cover switch to the lower limit.**

1. Fixing screw
2. Adjustment screw
3. Metal plate



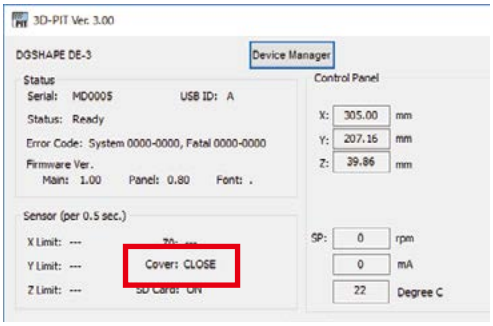
4. **Adjust two cover switches one at a time. Put a tape on the other cover switch (the one you are not going to adjust) so that it is being pressed.**

5. **Put something between the front cover and the part under the cover so that there is 6±0.5 mm gap when the front cover is closed.**

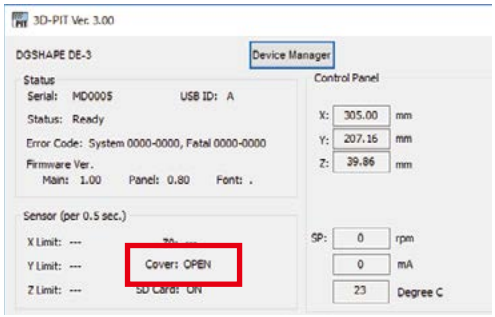


6. **Turn on the machine and start 3D-PIT.**

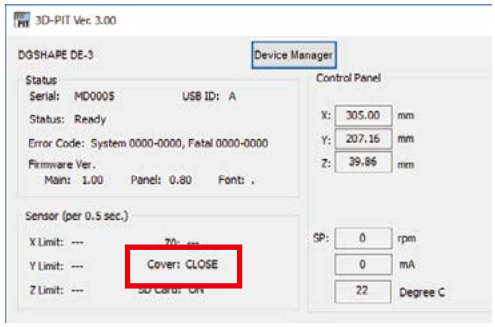
7. **Tighten the adjustment screw to move the switch upward until [Cover] in 3D-PIT becomes [CLOSE].**



8. Loosen the adjustment screw while pressing it from the top until the cover in 3D-PIT becomes [OPEN].



9. Tighten the adjustment screw by a half rotation at a time, and tighten the screw until [Cover] in 3D-PIT becomes [OPEN].



10. Open and close the front cover about 5 times, and confirm that [Cover] in 3D-PIT becomes [CLOSE]. If [Cover] in 3D-PIT is [OPEN], go back to step 4 and perform the procedure again.

11. Pull out something that you put in step 5 from between the front cover and the part under the cover so that there is no gap. Confirm that [Cover] in 3D-PIT becomes [CLOSE] when the front cover is securely closed.

12. Remove the tape that you put on the other cover switch in step 4, and put it on the adjusted cover switch so that the adjusted switch is being pressed.

13. Repeat step 5 to step 11 to the other cover switch to adjust the position.

14. Remove the tape that you put in step 12.

15. Put something between the front cover and the part under the cover so that there is 10 mm gap. Confirm that [Cover] in 3D-PIT is [OFF] for sure.

16. Pull out something that you put in step 15 from between the front cover and the part under the cover so that there is no gap. Confirm that [Cover] in 3D-PIT becomes [CLOSE] when the front cover is securely closed.

17. Close the front cover. Lightly press the metal plate of each cover switch with your hand, and confirm that the plates are not pressed too much.

NOTE

Confirm that there is space between the metal plate of the cover switch and the metal plate. If the metal plate is in contact with the cover switch, the plate is pressed too much. In that case, adjust the cover switch position again.

18. (End of procedure)