

FRU-20-01032-20

Replacing the lamp on your SMART Table™ ST230i

This Kit Contains	Tools Required (but not included)
<ul style="list-style-type: none">• Replacement Lamp Module	<ul style="list-style-type: none">• Phillips® No. 2 screwdriver• 5 mm hex key

These instructions guide you through the replacement of the projector lamp in your SMART Table™ ST230i. The average life of a projector lamp is 2000 hours. When the projector lamp has been used for 2000 hours or more, the following message appears on your SMART Table's surface:

It is time to replace the lamp. Use the procedure in the User's Guide to replace the lamp as soon as possible.

After 2100 hours of use, the following message appears on your SMART Table's surface for 10 seconds, and then the projector turns off:

The lamp has exceeded its service life! The projector will not turn on until you replace the lamp.

 NOTE

In some situations, the projector lamp may start to dim before 2000 hours of use. Replace the projector lamp in these situations as well.

To replace the lamp, you must:

- disconnect the cables and vent hose from the projector (page 3)
- remove the projector and bracket from inside the cabinet (page 5)
- replace the projector lamp module (page 7)
- reattach the projector to the bracket (page 9)
- attach the cables and vent hose to the projector (page 9)
- reset the lamp timer (page 10)

- adjust the table surface image (page 11)

WARNINGS

- Do not attempt to service the projector other than performing routine lamp replacement. Other than the lamp module, there are no user-serviceable parts inside the unit.
- Refer to the safety warnings and precautions published in the *SMART Table™ 230i Hardware User's Guide* (smarttech.com/kb/141190).
- This projector detects its own remaining lamp life. Replace the lamp when the lamp life warning message appears. If you continue to use the projector after the replacement message appears, the lamp might shatter or burst, scattering glass throughout the projector head.
- If the lamp has shattered or burst:
 - Call your [authorized SMART reseller](#) for instructions. Do not attempt to replace the lamp.
 - Do not touch the glass fragments because they can cause injury.
 - Leave and then ventilate the area where the lamp shattered or burst.
 - Wash your hands thoroughly if you have come into contact with lamp debris.
 - Thoroughly clean the area around the projector, and discard any edible items placed in that area because they might be contaminated.
- You must remove the projector from the SMART Table cabinet before servicing the lamp. (Uncovering the lamp while the projector is mounted inside the SMART Table cabinet can lead to product damage or personal injury from falling pieces of glass if the lamp is broken.)
- When replacing the projector lamp:
 - Turn off the projector and wait 30 minutes for the lamp to cool completely before removing the projector from the bracket.
 - Do not remove any screws other than those specified in the lamp replacement instructions.
 - Wear protective eyewear while changing the lamp. Failure to do so can cause injury or loss of eyesight if the lamp shatters or bursts.
 - Use only replacement lamps approved by SMART Technologies. Contact your [authorized SMART reseller](#) for replacement parts.
 - Never replace the lamp assembly with a used lamp assembly.

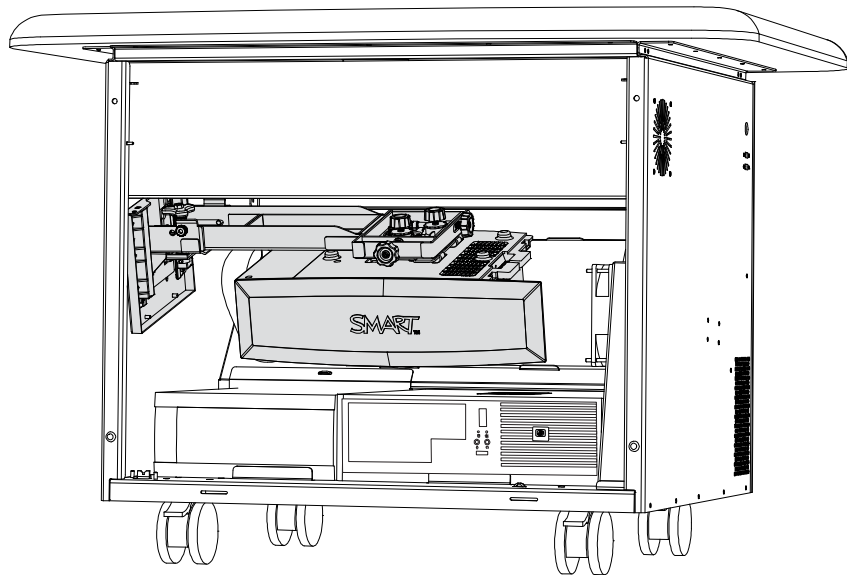
- To prevent premature lamp failure or exposure to mercury, always handle the fragile lamp assembly with care. Use gloves when touching the lamp. Do not touch the lamp with your fingers.
- Recycle or dispose of the lamp as hazardous waste, in accordance with local regulations.

Disconnecting the Cables and Vent Hose

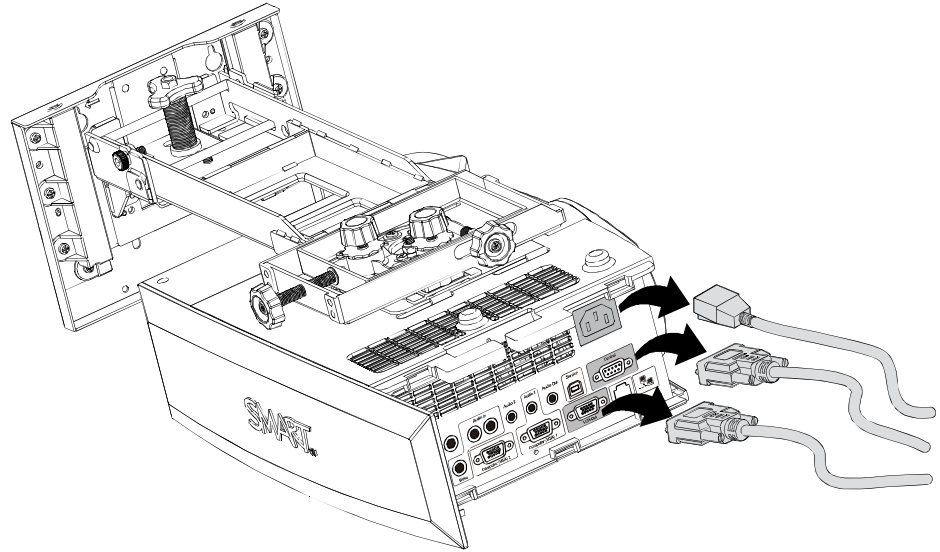
Before you can remove the projector from the mounting bracket, you must disconnect the cables and vent hose from the projector.

To disconnect the cables and vent hose

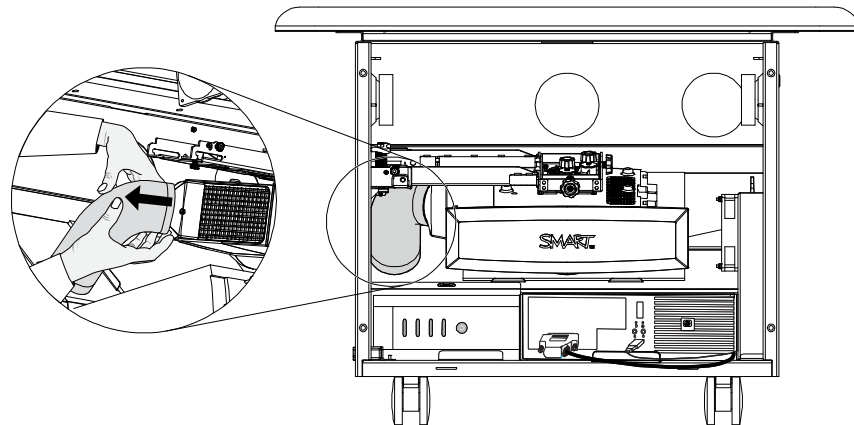
1. Turn off the SMART Table and wait for it to completely shut down.
2. Disconnect the SMART Table's power cord from the wall.
3. Wait 30 minutes for the projector to completely cool.
4. Remove the SMART Table door opposite the power button. This door provides the most direct access to the projector.



5. Disconnect all cables from the projector.

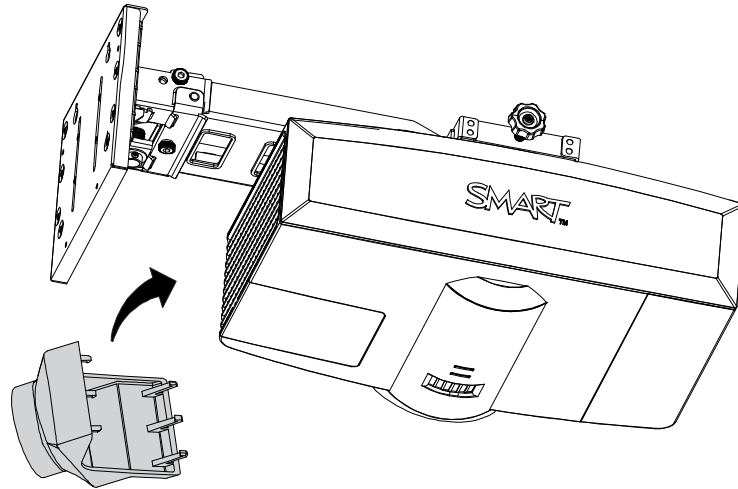


6. Disconnect the vent hose from the back of the projector.



i NOTE

Re-attach the plastic hose shroud to the projector if it falls off while disconnecting the vent hose.

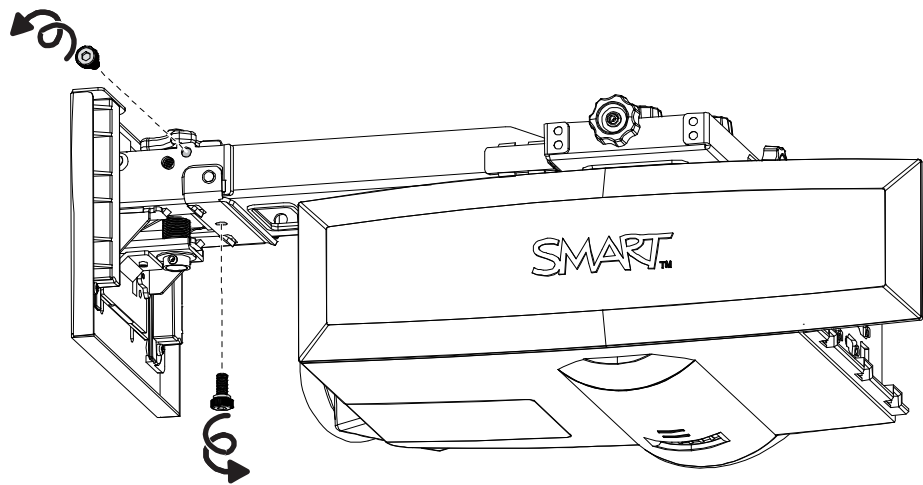


Removing the Projector from the Mounting Bracket

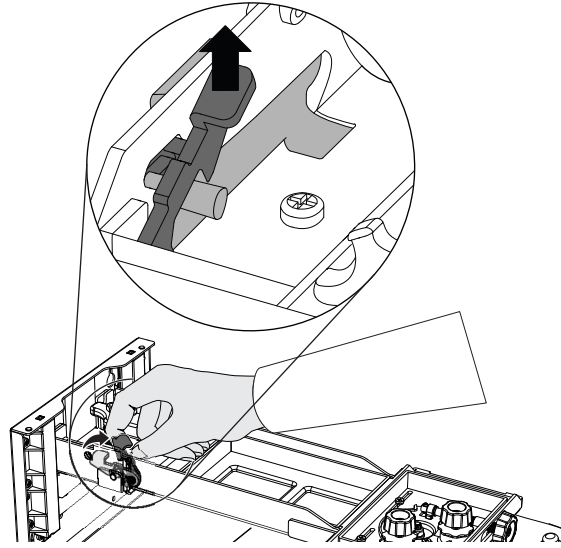
Before you can replace the projector lamp, you must remove the projector from the mounting bracket.

To remove the projector from the mounting bracket

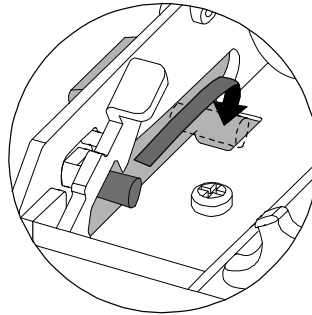
1. Remove the two locking thumbscrews as shown in the illustration below.



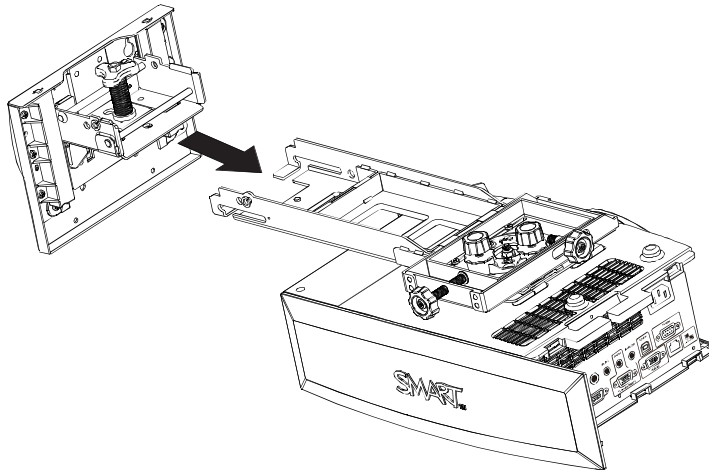
2. Locate the release latch inside the mounting bracket, and then lift it up.



3. Using both hands, carefully unhook the projector from the projector mounting bracket hooks.



4. Remove the projector unit from the cabinet and lay the projector flat on your work area with the warning lights facing up.

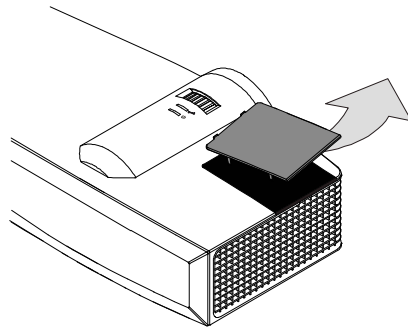


Replacing the Projector Lamp Module

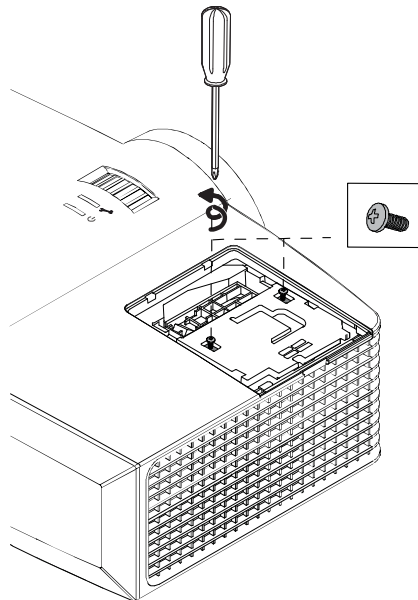
After you remove the projector from the bracket, follow these instructions to replace the lamp.

To remove and replace the lamp

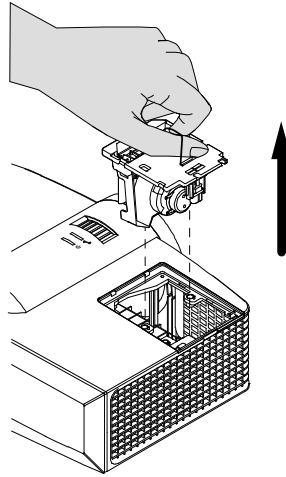
1. Wait at least 30 minutes for the projector to completely cool down.
2. Pull up the outer lamp cover using your finger.



3. Remove the outer lamp cover and keep it in a safe place.
4. Loosen the two screws on the inner lamp module with a Phillips No. 2 screwdriver.
The screws remain captive with the lamp module.



5. Pull up on the lamp module's handle, and then remove the lamp.



 **IMPORTANT**

Recycle or dispose of the lamp module according to your local waste authority.

6. Remove the replacement lamp module's packaging.

 **CAUTION**

Do not touch any part of the lamp module except the housing.

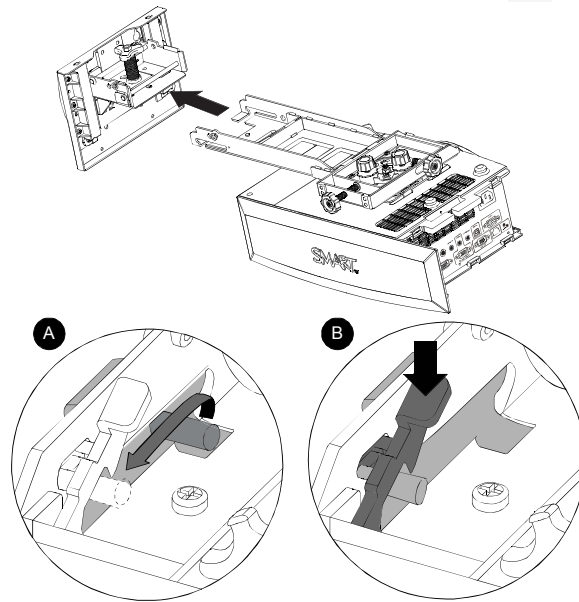
7. Put the replacement lamp into the lamp slot, push it all the way down, and then tighten the lamp locking screws until they are secure.
 8. Replace the outer lamp cover in its original position.
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Replacing the Projector Assembly

Once the new lamp module is installed, replace the projector assembly on the mounting bracket.

To replace the projector assembly

1. Slide the slots through the pins located on the stationary mounting bracket. **A**
2. Press down on the latch to lock it in place. **B**




3. Replace the locking thumbscrews (see illustration on page 5).
4. Attach the vent hose to the projector (see illustration on page 4).
5. Connect all cables to the projector (see illustration on page 4).
6. Connect the power cord to the wall power outlet.
7. Reset the lamp timer (see page 10).
8. If required, adjust the projected image (see page 11).

Resetting the Lamp Timer

After you replace the lamp, reset the lamp timer.

To reset the lamp timer

1. Press the remote control's power  button.

The projector turns on.



NOTE

The projector remote control is secured to the inside of the table enclosure above the projector.

2. Wait five minutes for the projector to warm up.
3. Press DOWN, UP, UP, LEFT, UP (DUULU) on the remote control to access the service menu.
4. Using the remote control, select the **Lamp Hour Reset** option, and then press **OK**.

Both **Lamp Hour** values (**Standard** and **Economy**) are reset to zero.



NOTE

You are unable to reset the **Display Hour** value because it displays the total hours the projector has been in use.

5. Press the **Menu** button on the remote control.

The *SMART UF55 Settings* menu appears.



6. Select  to confirm that **Lamp Hours** has been reset to zero.

The system is ready to use.

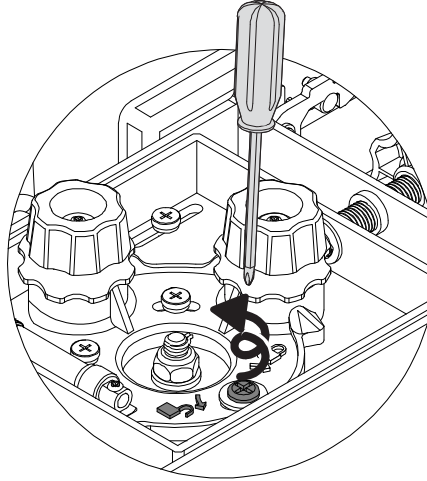
7. Return the remote control to its original placement inside the table enclosure.

Adjusting the Table Surface Image

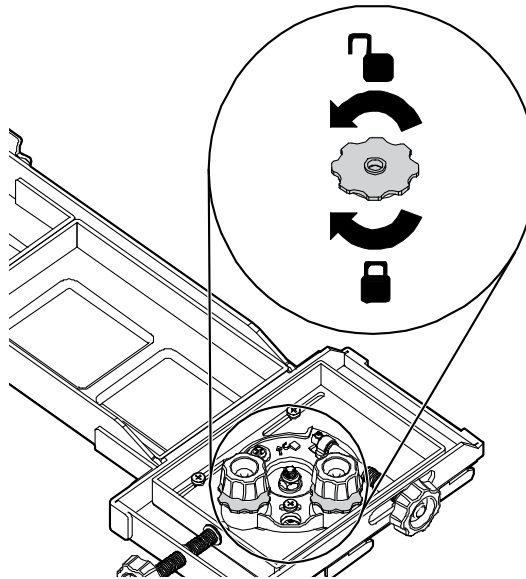
If your projector's image has become misaligned, you can adjust the SMART Table surface image using the colored knobs on top of the projector mount.

To adjust the SMART Table surface image

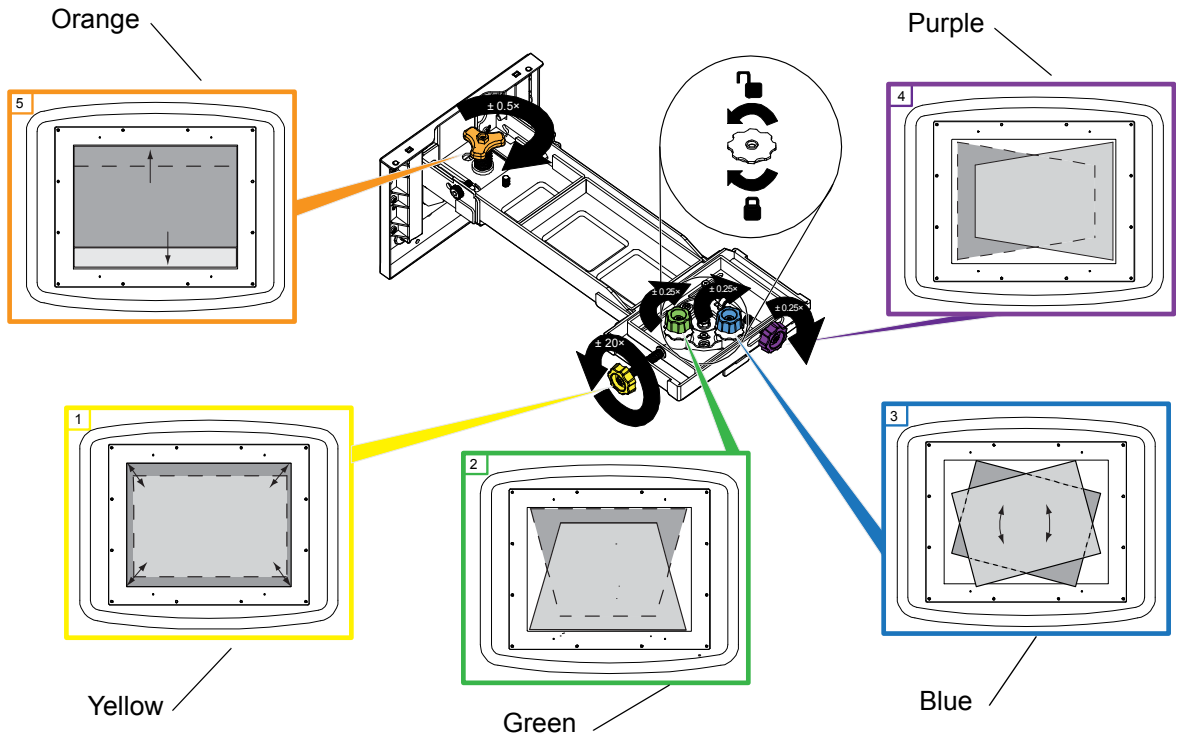
1. Set the locking screw to the unlock position.



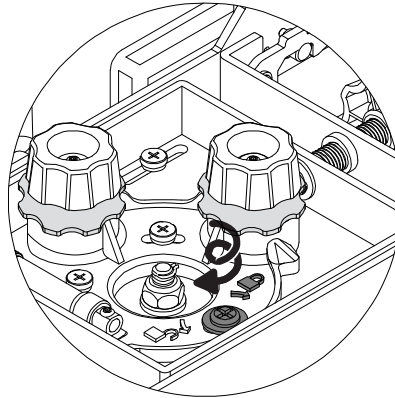
2. Set the locking rings under the Blue and Green knobs to the unlock position.



3. Adjust the table surface image using the colored knobs.



4. Lock the rings and set the locking screw to the **Lock** position.



5. Replace and lock both doors.

i NOTE

For full color image adjustment instructions refer to the *SMART Table ST203i Textless Installation Guide* (smarttech.com/kb/141081).