

Removing the Dewar from the instrument

equipment needed:

1/8 driver

3/16 driver (for ¼-20 shcs)

½ inch square socket wrench

1. Turn off power to the Black Electronics box.
2. Plug in grounding strap to outlet.
3. Put on grounding strap and push up arm until it is tight.
4. Disconnect Fiber cables to the Science Camera
5. Disconnect Shutter cables from the Science Camera
6. Disconnect power Cable from the Science Camera.
7. Once power is disconnected, you can remove the grounding strap.
8. Unhook the two rear longerons from the ring at the back of the dewar. Keep screws with struts, and turn out of the way.
9. Remove the 4 bottom bolts that attach the dewar to the instrument.
- 10 Push the dewar cart under the dewar, far enough that the rear ring will not rest on the carpeting, but not so far that it will bump into the supports.
11. Raise the cart with the socket wrench until there is very slight pressure on the dewar, to remove weight from the top two bolts.
12. Remove the top two bolts. The dewar should be supported by the cart, but still on the guide pins.
13. Support the front end weight with your hand, and slide the cart out two inches to clear the guide pins.
14. rest full weight onto the cart, and back the cart out to clear the spaceframe.
15. Put the front cover onto the dewar.
- 16 Lower the cart.
17. Remove the dewar and place in the container. Do not fully seal container if cold, due to pressure buildup.
18. Carefully pull back all of the cables, into the black electronics box, and neatly coil them there.
19. Install the fake ring to keep the g-10 plate in place, and protect the injection optics. Use the dewar mounting screws to fix in place.

Guide Camera Removal

NEED TO HAVE SHORTING PLUG READY

1. The guide Camera does not need to be removed from the instrument for shipping.

2. The electronics connections do need to be removed for shipment.
3. Plug in the grounding strip to outlet.
4. put on grounding bracelet and push up arm until full connection is made.
5. Turn off power to the black electronics box.
6. Disconnect the small circular connector on the back of the guide camera.
7. Disconnect the hoses from the back of the guide camera. These remove by pushing in the metal tabs for them to pop out.
8. Get the shorting plug.
9. Disconnect the main electronics cable and replace with shorting plug on the back of the camera.
10. Roll back cables into the box and coil neatly.
11. Coil balance of cables (main AC, Ethernet, etc. into the black electronics box.)