



TA Instruments

Packing the Q400/2940

TMA Instrument

This procedure will cover the steps to properly pack up the Q400/2940 TMA for shipment.

Packing Materials Provided:

Front support bracket
2 Rear support brackets
Outer clamp
Shipping foam
Cardboard sleeve

Tools Required:

7/64" Allen wrench
Heavy-duty tape
Strapping kit

1. Remove the probe and stage from the instrument.
2. Remove the outer cover around the shuttle assembly.
3. Remove the weight tray. Tape the nylon screw in place and lay the weight tray in the top of the furnace (Figures 1 & 2).

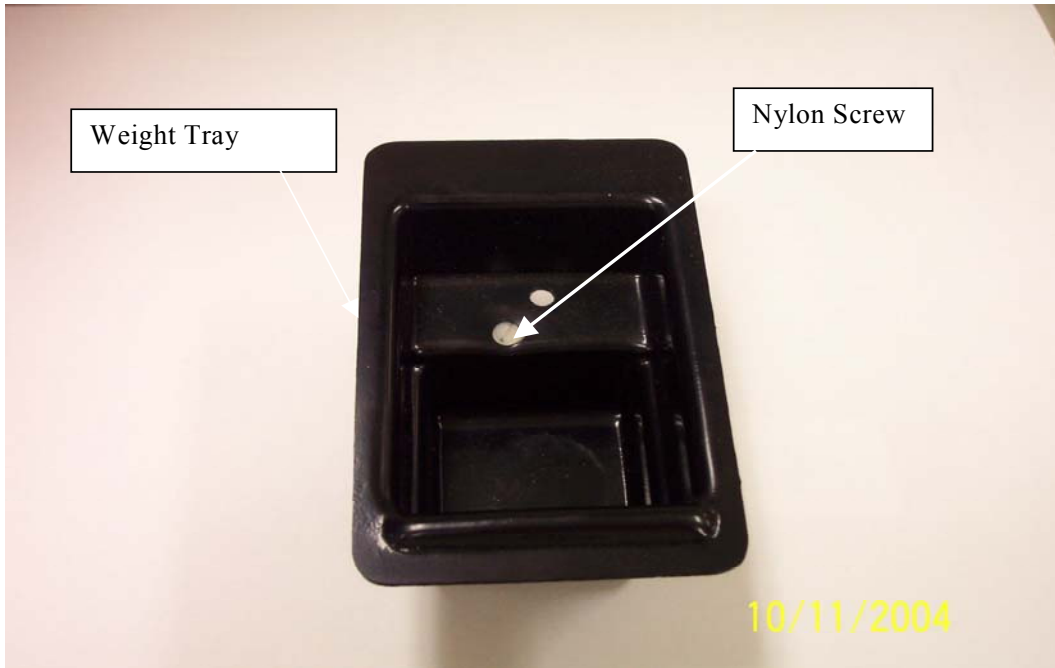


Figure 1

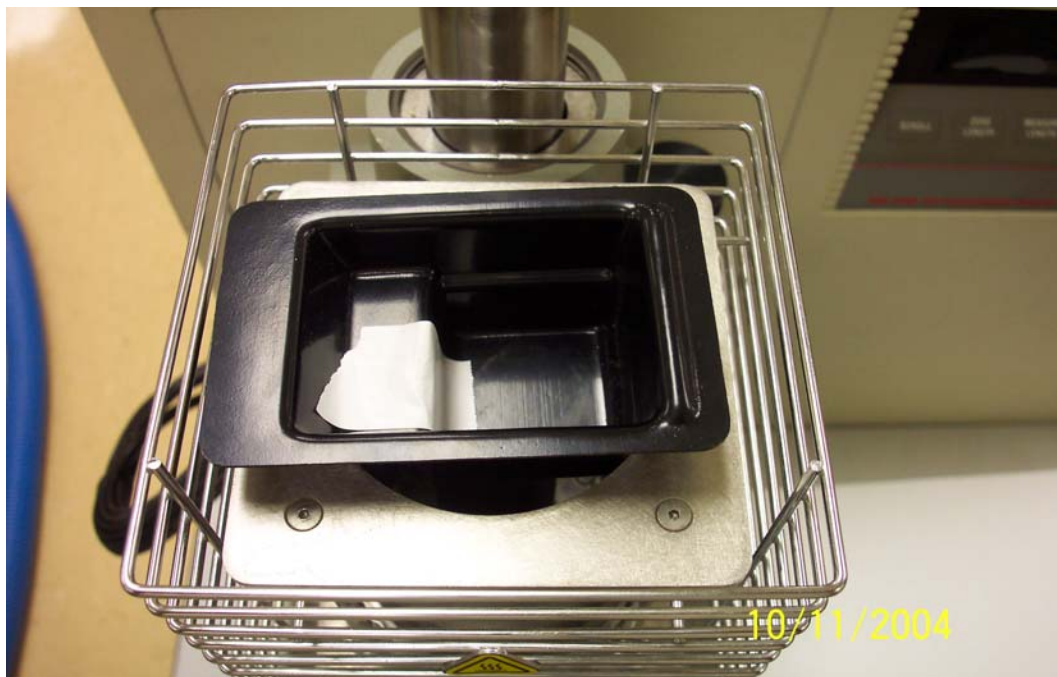


Figure 2

4. Remove the 8 shoulder screws from the front support bracket (Figure 3).

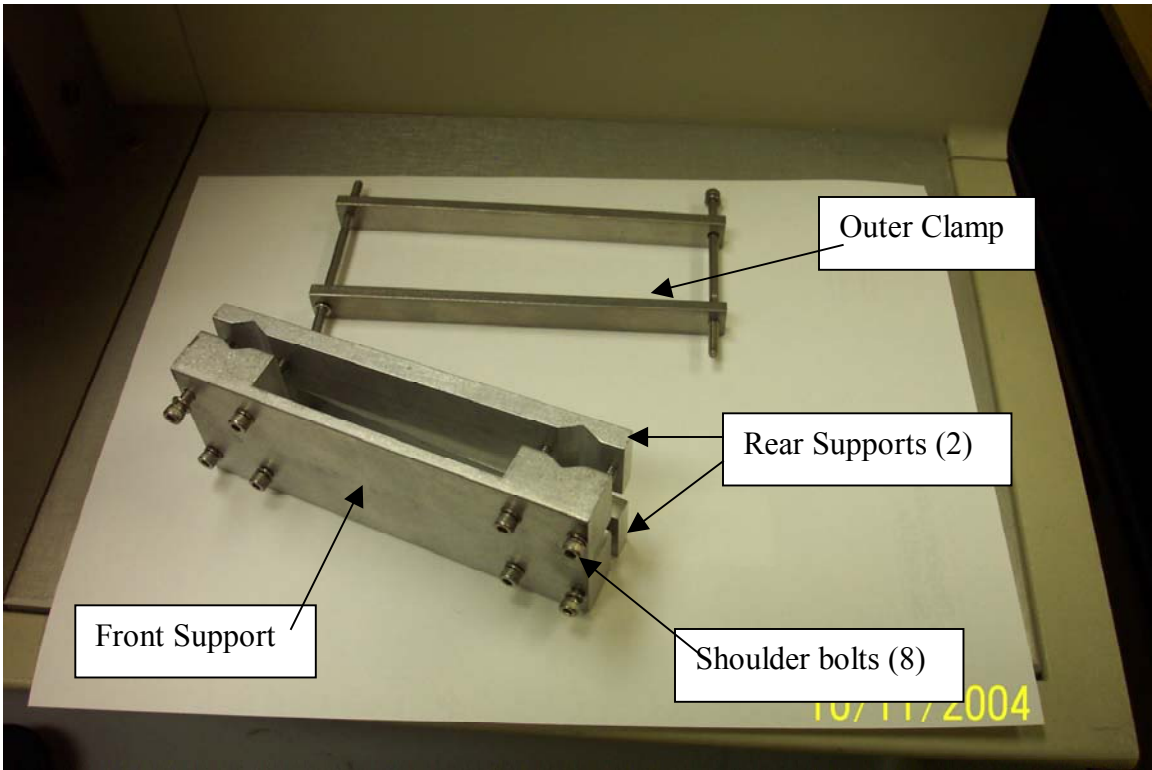


Figure 3

5. Carefully slide the front support bracket between the upper and lower suspensions, behind the weight tray mounting bracket (Figure 5).

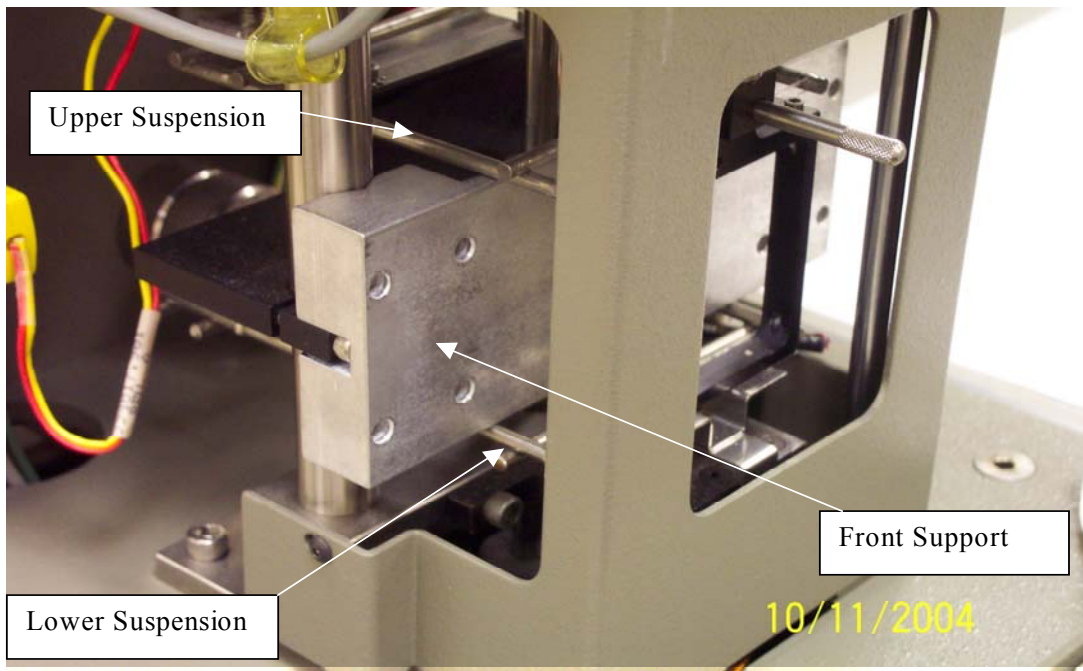


Figure 5

- Carefully slide the rear supports between the upper and lower suspensions (Figure 7).

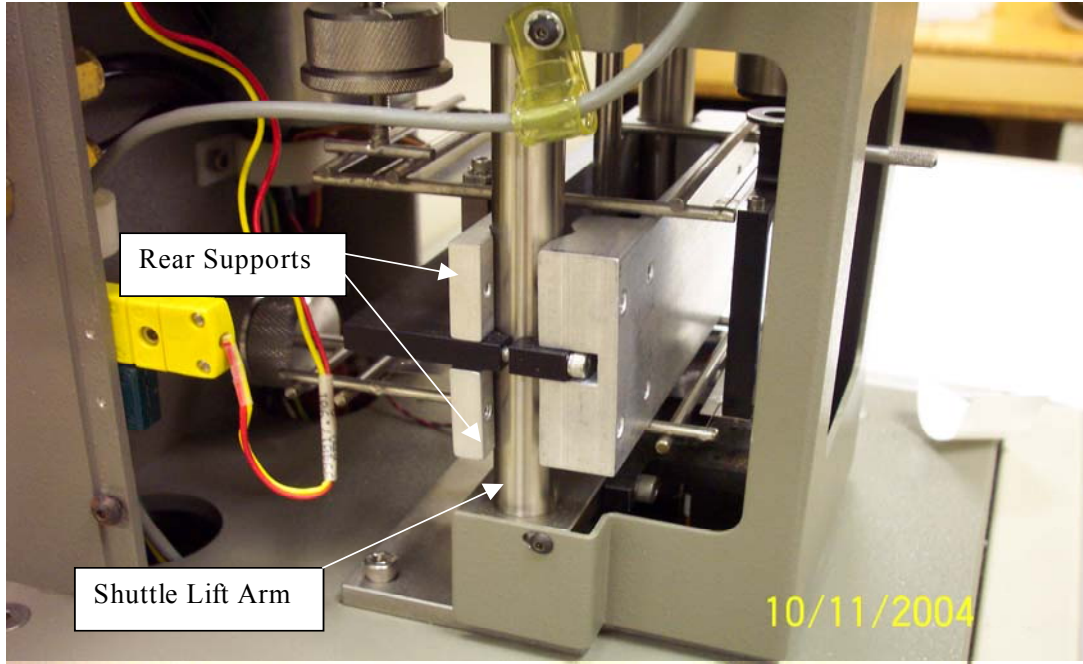


Figure 7

- Install the shoulder bolts through the front support bracket and thread them into the rear support brackets (Figure 8).



Figure 8

8. Remove one of the bolts from the outer clamp and install the outer clamp. The clamp should go above and below the upper and lower suspensions (Figure 9).

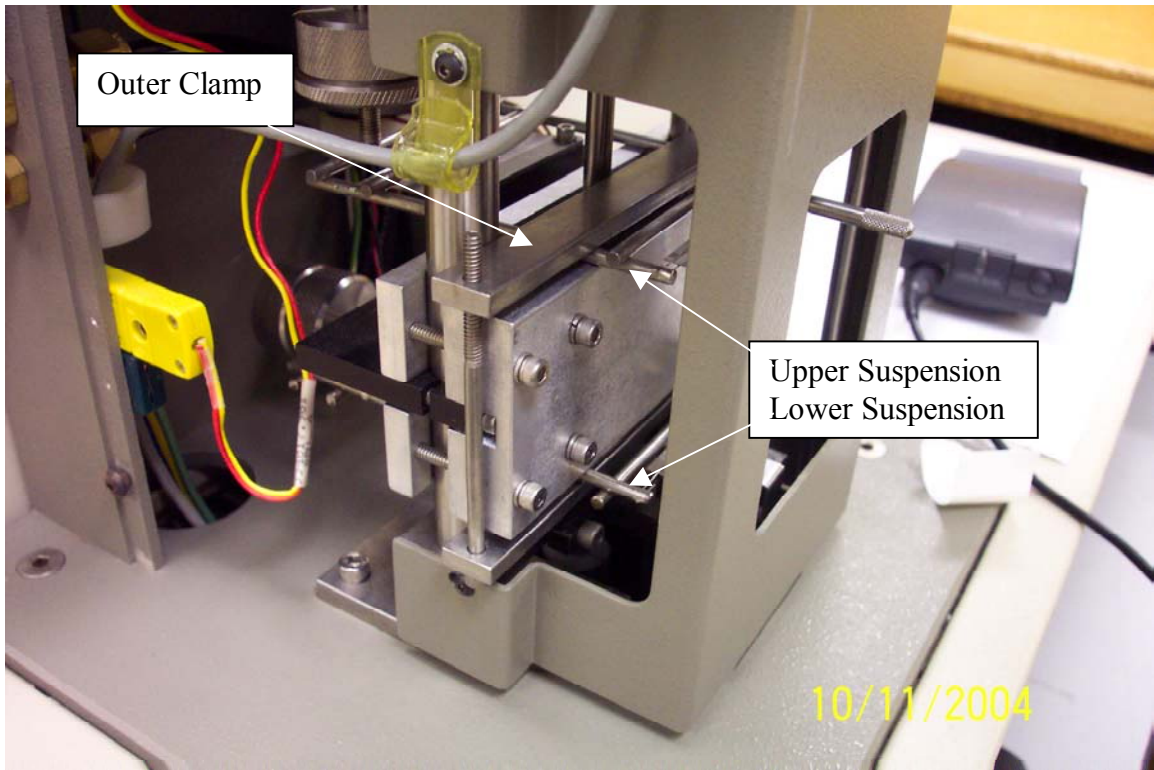


Figure 9

9. Install the bolt in the other end of the outer clamp and tighten (Figure 10).
10. The suspension should now be immobilized.



Figure 10

11. Install the rear shipping foam support under the lower weights (Figure 11).

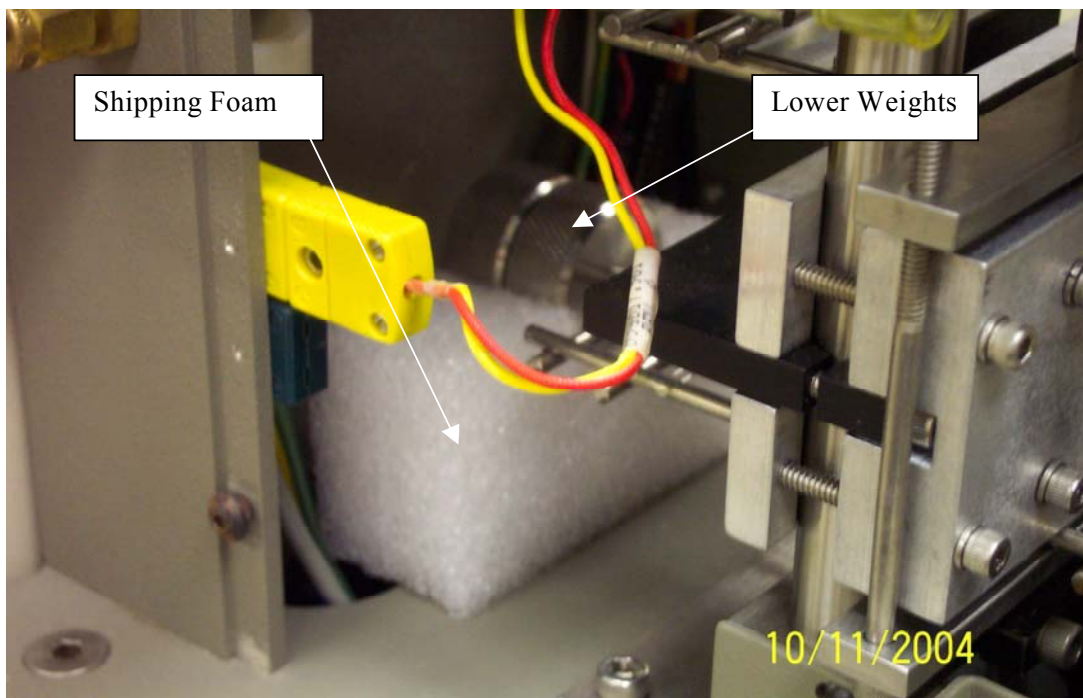


Figure 11

12. Lower the furnace. Tape the weight tray into the top of the furnace.

13. Place the cardboard sleeve over the furnace lift shaft (Figures 12 & 13).

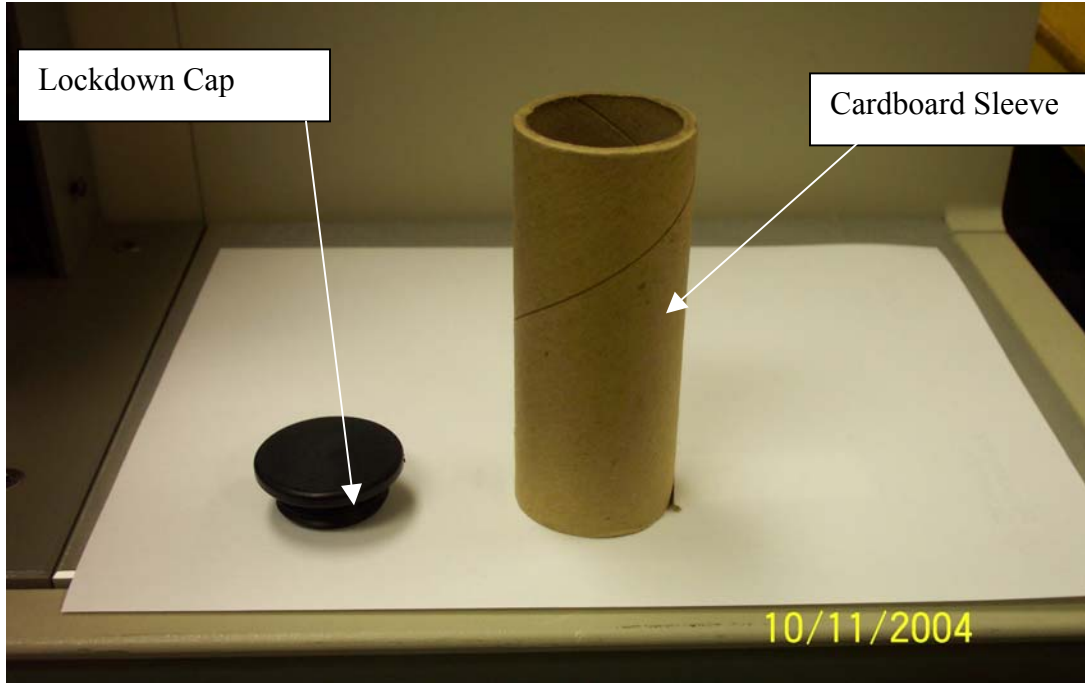


Figure 12



Figure 13

14. Tighten the lockdown cap into the top of the furnace lift shaft. This will immobilize the furnace.
15. For 2940:
 - a. Turn off the power switch located on the front of the instrument.For Q400:
 - a. On the LCD display, press the “DISPLAY MENU” button.
 - b. Press the “SHUTDOWN” button. Wait for the display screen to show that the instrument is shutdown and it is safe to turn off the instrument.
 - c. Turn off the power switch located on the back of the instrument.
16. Disconnect all cords, cables, and tubing to the instrument.
17. If shipping the instrument in the reusable TA plastic shipping container;
 - a. Place instrument in shipping container.
 - b. Place top portion of shipping container over the instrument. Note the direction, the “FRONT” is labeled on both the top and bottom portions of the container. Secure the latches on all the sides.
 - c. Your instrument is now ready to ship.
18. If shipping a Q400 in the cardboard shipping carton;
 - a. Carefully lift the instrument and remove the feet.
 - b. Place the instrument on the plastic pallet.
 - c. Secure instrument to pallet with 4 shipping bolts.
 - d. Place feet and accessories into accessory box and place box next to instrument on pallet.
 - e. Place outside carton over pallet and seal with heavy-duty tape.
 - f. Using a strapping kit, secure outside carton to the plastic pallet.
 - g. Your instrument is now ready to ship.
19. If shipping a 2940 in the cardboard shipping carton;
 - a. Carefully lift the instrument and remove the feet.
 - b. Align instrument to the shock mounts on the wooden pallet.
 - c. Secure instrument to pallet with 4 shipping bolts.
 - d. Place pallet with instrument inside shipping carton.
 - e. Place sleeve inside shipping carton.
 - f. Place feet and accessories inside box and seal with heavy-duty tape.
 - g. Using a strapping kit, secure carton to a shipping pallet.
 - h. Your instrument is now ready to ship.

TA Instruments strongly recommends using a Motor Freight Carrier!