

The Model 3440 Plus nuclear density moisture tester is a great tool for testing the moisture and density of compacted construction materials, like dirt and asphalt. 'Course, it won't do its job if you don't do some PM.

### Keep Tester Dry

The nuclear density moisture tester doesn't handle wet weather very well. In fact, you should avoid using the tester in rain, snow and ice and keep it away from standing water. If you don't, the tester's electronics could be damaged.

Before storing or shipping the tester, make sure it's clean and completely dry first. Check the interior of the shipping case for moisture before putting the tester inside. You'll find more details on prepping the tester for storage or shipping in WP 0086 of TM 5-6635-350-13&P (Apr 13).

If you've used the tester during humid conditions, you may notice some condensation inside the display window. Open the control panel and allow it to dry completely. WP 0087 has the details.

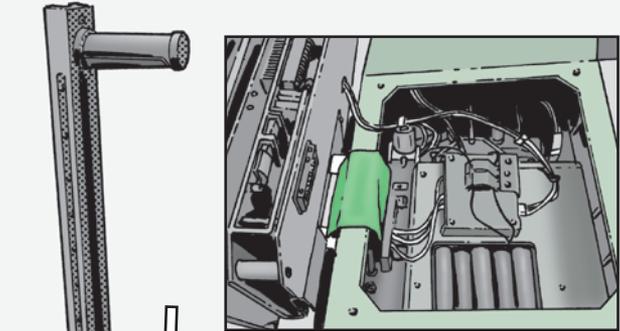


IF YOU'VE NOTICED THE SOURCE ROD ON THE TESTER ISN'T SLIDING FREELY, YOU NEED TO GIVE ITS BEARINGS A LITTLE LUBE. HERE'S HOW...

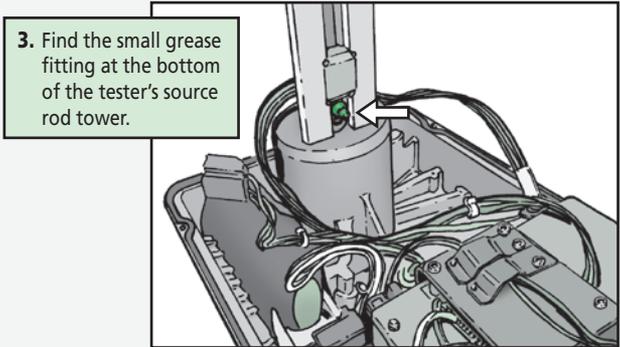
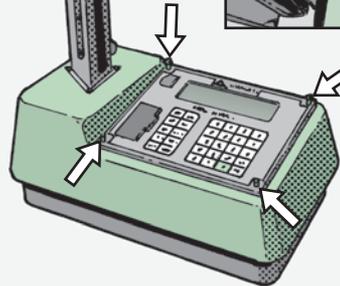


### Source Rod

1. Remove the control unit from the tester's gauge by loosening the four captive screws that secure the control unit to the top shell.



2. Lift the control unit free from the gauge and disconnect the ribbon cable.



3. Find the small grease fitting at the bottom of the tester's source rod tower.

4. Using a standard, 16-oz grease gun loaded with a Magnalube-G cartridge, NSN 9150-01-426-3848, give the fitting five shots of grease.
5. Reattach the ribbon cable and reinstall the control unit.
6. Slide the source rod up and down a few times to spread the grease evenly.