

## 30 Specular Reflectance Accessory Installation Procedure

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1. At 550nm with the reference beam and sample compartment empty auto zero the instrument.
2. Insert the reflectance accessory with the large diameter mask and the alignment mirror. The transmission if the accessory is properly aligned should be ~70%T. If it is less than this it can be adjusted to maximize % transmission by turning the three screws on the top of the accessory.
3. Background correct with reflectance accessory installed:
  - a. Attenuate the reference beam by installing 1 mesh screen from 2<sup>nd</sup> drawer below instrument.
  - b. Go to 500nm and press auto zero.
  - c. Make sure vis and UV lamps are on (UV lamp needed for background correction)
  - d. Press "Safe Mem " key on Lambda 3B until read "C"
  - e. Press run (instrument will go to 900 nm and run background correction to 190 nm. Do not touch any buttons until completed).
  - f. Once complete turn off the UV lamp if you are not scanning in that range.
4. The Lambda 3B with the reflectance accessory should now read 100%T throughout scanning range.
5. Carefully remove alignment mirror (handle by edges) and return it wrapped in tissue to zip lock bag.
6. Set sample where alignment mirror was and record spectrum following the instructions, "Perkin-Elmer Lambda 3B Spectrometer Short Procedure".