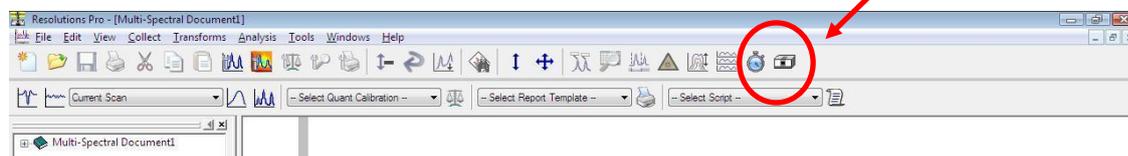


(Cary 640/660 FTIR users only).

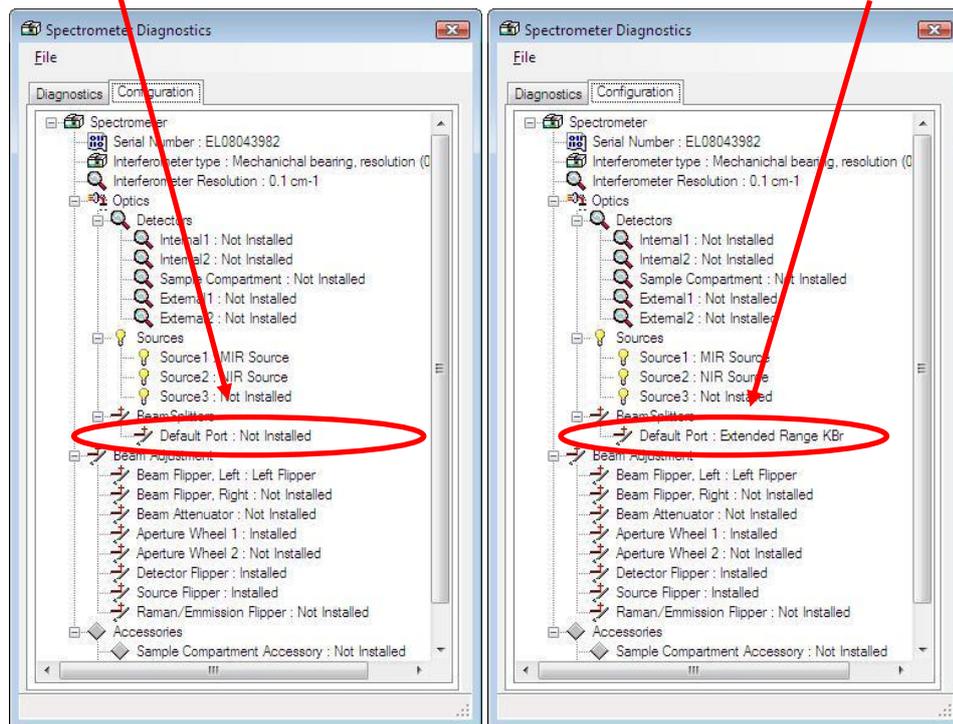
If a beamsplitter is not labeled correctly and a software update is attempted the instrument may fail to initialize on a reset or power up. Follow the procedure below to ensure that the beamsplitter is correctly labeled before updating the software.

To ensure your beamsplitter is labeled correctly go to **Spectrometer Diagnostics** and click on the **Configurations** tab. Under **Beamsplitters** your installed beamsplitter should be listed.



Incorrectly labeled

Correctly labeled



If your beamsplitter is listed as “Not Installed” then you should replace the beamsplitter ID label.

Beamsplitter Labels

Carefully remove the beamsplitter from the centre compartment of the instrument by lifting the black lid and releasing the clamp. Any extra beamsplitters in the storage compartment to the left of the instrument can be checked later. Turn the beamsplitter upside down and rest gently on a soft surface such as a folded hand-towel or similar and orientate as in Fig 1 with the corner cutouts in the casing facing down. Compare your black label with those in Fig 2. If your label has one oval shaped hole you have a KBr beamsplitter, or if you have two holes you have a quartz beamsplitter. Carefully remove the label and replace with the appropriate spare ID label included in this kit.

IMPORTANT

Take care not to touch the beamsplitter substrate. Fingerprints can severely affect its performance and are difficult to remove.



Fig 1 – Underside of the beamsplitter shown with and without the ID label

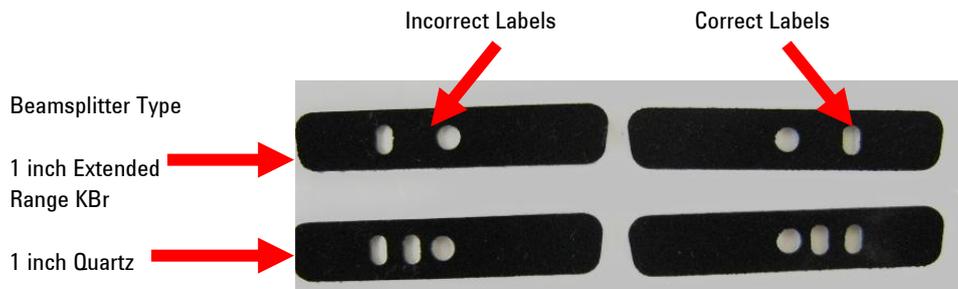


Fig 2 – examples of incorrectly stamped labels (left) and correctly stamped labels (right)

The label is of a trapezoidal shape and should be oriented to fit the groove in the beamsplitter (see bottom picture, Fig 1). Once fitted, replace in the instrument and check Spectrometer Diagnostics. If the correct beamsplitter is displayed you can continue with your software update. Repeat for any beamsplitters you may have in the storage compartment.

Two labels have been included in this kit, one for a 1" Extended range KBr beamsplitter and one for a 1" Quartz beamsplitter. These should be fitted as required.

Should you require any extra labels they can be ordered as per below.

Beam Splitter p/n:	Beam Splitter Description	Beam Splitter ID Label p/n:
9910132100	Assy, Ext. KBR Beam Splitter 1"	3110162400
9910132200	Assy, Quartz Beam Splitter 1"	3110162500

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This information is subject to change without notice.



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