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*18-003 NOTAL*

*03 May 2018*

**MODEL T640 SPANDUST TRANSFER PROCEDURE**

**I. PURPOSE:**

To assist Model T640 customers in using supplied kit000367 to transfer spandust contents to an improved bottle design.

**II. TOOLS:**

No tools required.

**III. PARTS:**

- KIT000367 – KIT, SPANDUST BOTTLE UPGRADE, T640

**IV. PROCEDURE:**

A new bottle design for our SpanDust monodisperse dust is included with this kit. We highly recommend that you follow the procedure below to transfer your existing SpanDust into the new bottle.

Please Note: It is not possible to transfer 100% of the contents from one bottle to the other. Therefore we recommend that you keep the original bottle as a repository for the new one.

A dust mask has been provided with the kit. It can be used if desired but it is not mandatory.

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We recommend that nitrile gloves be used during the transfer process.

- 1- Your kit should include the parts shown below:



Fig. 1: Empty bottle with cap, blank label and tubing attached.



Fig. 2: Baggie with two silica gel desiccant packets

- 2- Locate your existing SpanDust bottle, uncap both bottles and join them together as shown:



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- 3- With your hand firmly on the necks of both bottles, carefully flip them over to allow the contents of the original bottle to be transferred to the new one:



- 4- Gently tap the original bottle on top and sides to maximize transfer of contents to new bottle.
- 5- Remove the original bottle by flipping it back and then capping it quickly.
- 6- Insert the supplied desiccant packets (2) into the new bottle and cap it, making sure the threads are properly aligned. Securely tighten cap.
- 7- Properly identify the new bottle by filling out the label with data from the existing bottle as shown:



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## PERFORMING PMT CHECK WITH NEW BOTTLE

Follow the procedure outlined on Page 52 of the T640 User Manual, **however, skip Step 3**, as this new bottle does not need to be uncapped. Simply remove one end of the tube from the cap (the end that is not zip tied) and place it on the inlet of the instrument as shown:



Alternatively the PMT check can be performed at the top of the ASC (Aerosol Sample Conditioner) if needed.

After you are done using the bottle, simply insert the tube end back into the bottle cap and store vertically in a cool, dry place as shown:



**Important:** Always make sure tubing is completely inserted back into the bottle after each use. This will seal the bottle contents and keep moisture out when not in use.

If you have any questions regarding this Service Note, please contact Teledyne API Tech Support at [SDA\\_Techsupport@Teledyne.com](mailto:SDA_Techsupport@Teledyne.com) or by calling +1-858-657-9800.

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