

REPLACEMENT PUMP (854043) FOR ENVIRONMENTAL DUSTTRAK MODELS 8540 AND 8543

QUICK START GUIDE

This quick start will guide the user through the steps to install the replacement pump in the Model 8540/8543 Environmental DustTrak™ Aerosol Monitor.




Caution

Pump can be hot to the touch.

Unpacking

1. Carefully unpack the Replacement Pump from the shipping container and verify that all the items listed in the following table are present.
2. Contact [TSI](#) immediately if items are missing or broken.
3. Additional items may be included if you ordered accessories or spare parts.

Qty.	Item Description	Reference Picture
1	Replacement Pump and muffler (854043)	

Tools Needed for Installation

- Phillips Screw Driver
(not included)



Remove Photometer Unit from Environmental Enclosure

1. Disconnect all cabling from photometer and heated inlet if present.



2. Remove inlet column. If the inlet column includes a heated inlet remove the ferrite from the heated inlet cable and carefully pull the heated inlet cable through the key hole on the mounting ring when removing the inlet column.



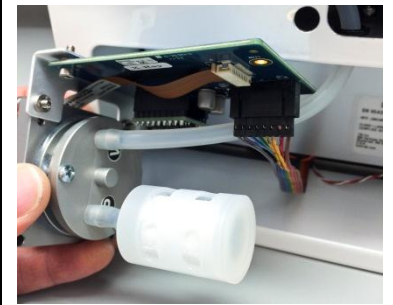
- Loosen retainer ring on top of enclosure while holding photometer.
- Pull photometer down and out of enclosure.



- Disconnect the vacuum tube, muffler, and power cable from pump module.

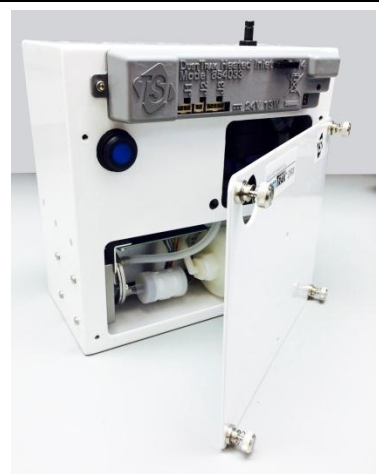


- Obtain replacement pump. Connect muffler to (P), vacuum tube to (V), and power cable.



Replace Pump

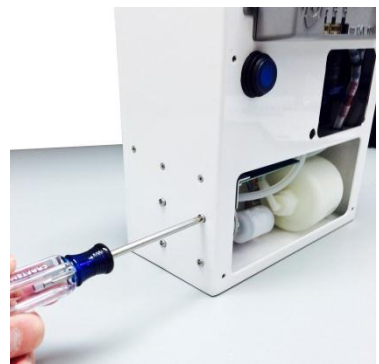
- Remove photometer service panel.



- Place new pump into photometer case with muffler orientated at the bottom.



- Remove the four (4) Phillips-head screws from the left side panel.
Note: Remove only the raised-head screws. **DO NOT** remove any flush-head screws.



- Secure pump module in instrument case with four (4) Phillips-head screws on left side.



- Pull the pump from the instrument case



- Replace photometer service panel and reinstall photometer inside environmental enclosure.



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TSI Incorporated – Visit our website www.tsi.com for more information.

USA	Tel: +1 800 874 2811	India	Tel: +91 80 67877200
UK	Tel: +44 149 4 459200	China	Tel: +86 10 8219 7688
France	Tel: +33 1 41 19 21 99	Singapore	Tel: +65 6595 6388
Germany	Tel: +49 241 523030		