



MONTGOMERY COUNTY FIRE AND RESCUE SERVICE
MONTGOMERY COUNTY, MD.

FLEET MANAGEMENT BULLETIN

NUMBER: 23-02

April 27, 2023

TFT Transformer Nozzles

Background: The Small Tools section was tasked with several projects to include providing a piercing nozzle, distributor nozzle, and means to address electric vehicle fires. Several stations, shifts, and specialty teams provided insight on options that could provide a multi-functional solution.

Current State:

The Small Tools Section has received six sets of the Task Force Tips Transformer nozzles, each with a 40" extension to be used on electric vehicle fires.

The Task Force Tips Transformer set can be configured as a piercing nozzle or distributor nozzle for confined area fires such as basements, attics, vehicle engine compartments, void spaces, and other concealed spaces.

The EV set up is to be used after initial knock down of the fire to cool the battery pack underneath in attempt to contain thermal runaway. The Piercing nozzle set up **should not** be used to pierce the battery, battery pack, or anything energized.

One Task Force Tips Transformer set and 40" extension will be distributed to the engine companies at the Battalion Chief assigned houses (E712, E720, E732, E725, and E734). One set is at Small Tools as a Spare/ Loaner/ Training set and the original acquired set used in testing is available on E716.

Additional sets of the Task Force Tips Transformer set and 40" extension will be purchased with equipment for new engines and for current engines as funding becomes available.

Action Needed:

Companies should review the attached links for information on the Task Force Tips Transformer nozzle and the Electric Vehicle Set up and familiarize with the use of the set up for each application.

Set up for the PA2 TFT Transformer Set

- a. <https://tft.com/product/pa2>
- b. https://tft.com/TaskForceTips/media/Resource-Library/lis-011_05.pdf
- c. <https://vimeo.com/336891150>

Set up for Electric Vehicle Fires after Knock Down

- d. https://tft.com/TaskForceTips/media/Resource-Library/lis-013_00.pdf
- e. <https://tft.com/Education/TFT-Solutions-for-EV-Fires>
- f. https://youtu.be/ie_BO2Frc2Y

End State:

If you have any questions on the Task Force Tips Transformer set please contact Captain Dustin Poist @ 240-777-2298 OR the Small Tools Section via email FRS.SmallTools@montgomerycountymd.gov or (240)777-2217

For questions regarding MCFRS Electric Vehicle Fire response, please contact Battalion Chief Ivan Browning (Special Operations- Haz Mat)