



PROTERRA



FLEET CHECK

ISSUE DATE:	7/22/2021
SERVICE BULLETIN SUBJECT:	Rooftop Cooling Fan Terminal Fleet Check
VINs or MODELS AFFECTED:	Service Specified Buses
COMPLETE BY:	Next Service Opportunity
SERVICE BULLETIN #:	SC-21-103
LABOR OPERATION CODE:	CC55Z

NOTICE! It is expected that this process will require 1 hour per bus. Please schedule appropriately to minimize vehicle downtime.

ROOFTOP COOLING FAN TERMINAL RETROFIT

Description

This procedure follows up on a fleet check to inspect for damaged wiring in the rooftop cooling fan circuit. The procedure repairs any damage found during the fleet check.



Tools/Parts Required

Tools and Supplies Required:

- T-30 Torx Driver
- Flashlight
- Ratchet
- 8mm Socket
- Small Flat Blade Screwdriver
- Side Cutting Pliers
- Pin Extractor Tools
- Crimping Tools
- Heat Gun

Parts Required:

- 060416 RETROFIT, RADIATOR FAN TO ROOFTOP CONNECTOR (Consisting of)
 - 013978 RECEPTACLE, CONNECTOR, PASS-THRU, 48POS 1 EA
 - 015165 LOCK,DRB, PLUG,48WAY 1 EA
 - 000884 CONTACT, SOCKET, SIZE 12, FOR #12-14 AWG 6 EA
 - 013979 RECEPTACLE, 48POS, A"-KEY" 1 EA
 - 015400 LOCK, 48 WAY, RECPT. 1 EA
 - 001268 CONTACT, PIN, SIZE 12, FOR #12-14 AWG 6 EA
 - 020297 WIRE, 12 TXL BLK BC 60V 125C OD=3.30 1.5 m
 - 020306 WIRE, 12 TXL RED BC 60V 125C OD=3.20 1.5 EA
 - 012632 SPLICE, BUTT, NON INSULATED 10-12AWG 12 EA
 - 008294 HEAT SHRINK, DOUBLE WALL, ADHESIVE, 1/4 4' STICK 24 IN

Procedure:

1. Complete the Proterra approved Lockout/Tagout procedure to make the bus safe for work.
2. Referencing the ServiceMax report for the bus that you are working on, determine the location of any damage to the Cooling Fan circuit.
3. Follow all the Proterra and Transit Agencies safety policies to safely access the rooftop of the bus if damage was found on the rooftop connectors. **If no rooftop repairs are required, proceed to Step 7.**
4. Working on the rooftop of the bus, locate the three-fan radiator shown in the following photograph.



5. Using parts from the Kit (060416), repair the rooftop connectors as necessary.



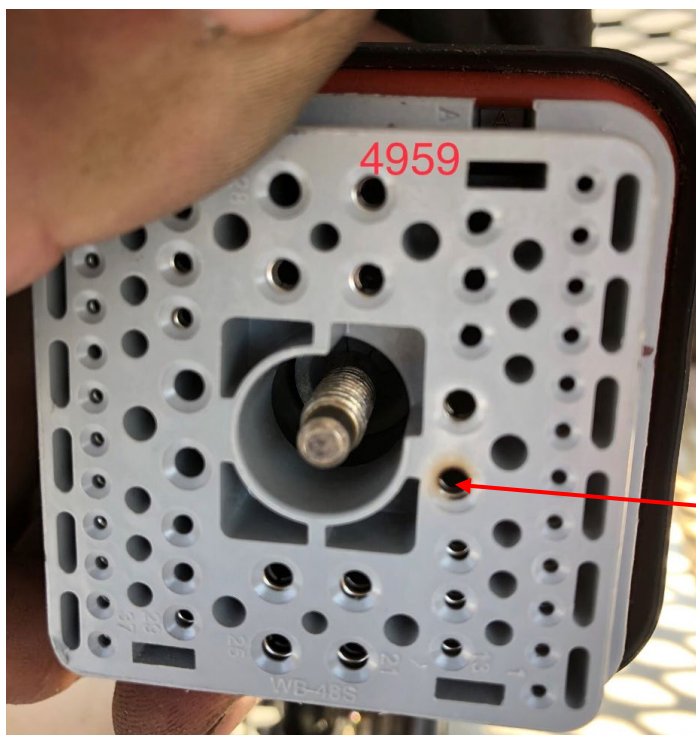
6. Safely exit the rooftop of the bus.

7. If the ServiceMax report shows no damage to the Rear Deck connector and/or the Rear Deck VEC, proceed to Step 14.
8. Using a T-30 Torx Driver, remove any panels necessary to access the Rear Deck VEC and the Rooftop pass through at the rear of the bus.
9. Using a Small Flat Blade Screwdriver, retract the metal clips that secure the pass-through connector.



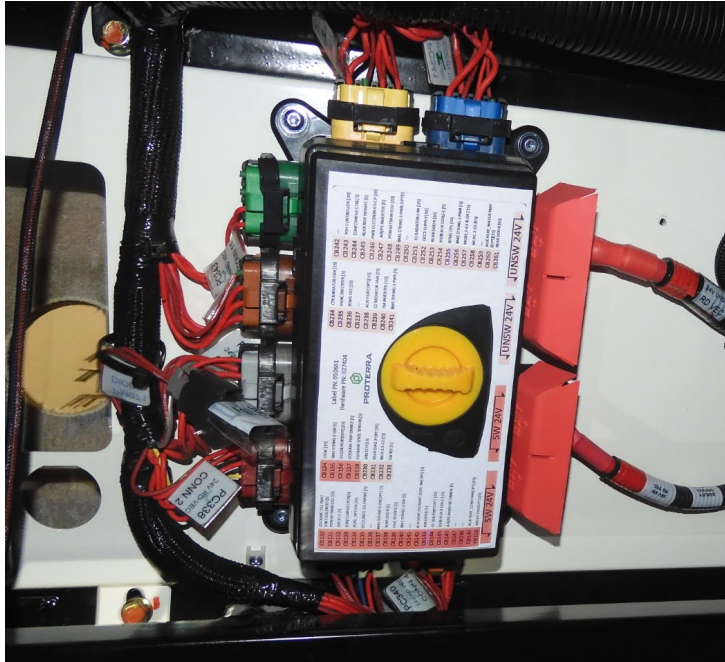
Metal Clip

10. Using an 8mm Ratchet/Socket, loosen the retaining bolt that secures the two halves of the connector together. Disconnect the pass-through connector.
11. Using parts from the Kit (060416), repair the connector shown below.



Heat Damage

12. Reconnect the pass-through connector and secure it with the metal clips.
13. Using a Calibrated Torque Wrench with an 8mm Socket, **torque the retaining bolt to 30 to 35 inch pounds.**
14. Locate the Rear Deck VEC shown in the following photograph.



15. Disconnect the connectors labeled PC341, PC342, and PC337.
16. Using parts from the Kit (060416), repair the VEC connections as necessary.
17. Using a T-30 Torx Driver, reinstall any panels that were removed earlier.
18. Remove the Lockout/Tagout devices and return the bus to service.