



PROTERRA



TECHNICAL SERVICE BULLETIN

ISSUE DATE:	6-10-2021
SERVICE BULLETIN SUBJECT:	800 Volt Catalyst 40 Horn Relay Retrofit
VINs or MODELS AFFECTED:	Service Specified Buses
COMPLETE BY:	Next Service Opportunity
SERVICE BULLETIN #:	SC-21-82
LABOR OPERATION CODE:	DE41Z

NOTICE! It is expected that this process will require 1/2 hour per bus. Please schedule appropriately to minimize vehicle downtime.

800 VOLT CATALYST 40 HORN RELAY RETROFIT

Retrofit Description:

This procedure updates the horn relay and circuit breaker to more robust versions.

Tools/Parts Required

Tools and Supplies Required:

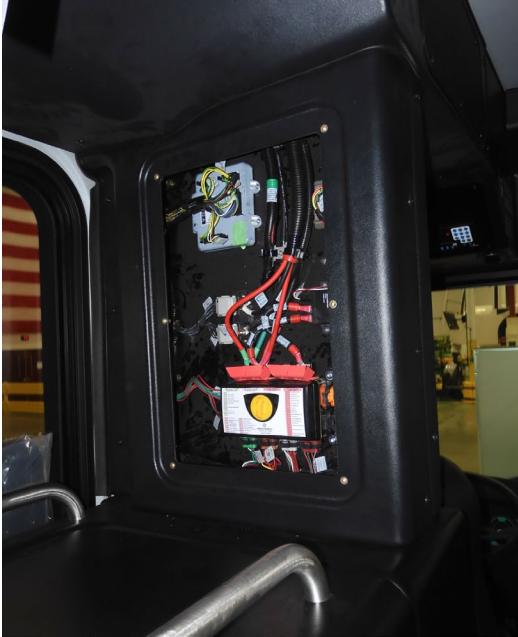
- T-30 Torx Driver

Kit Parts Required:

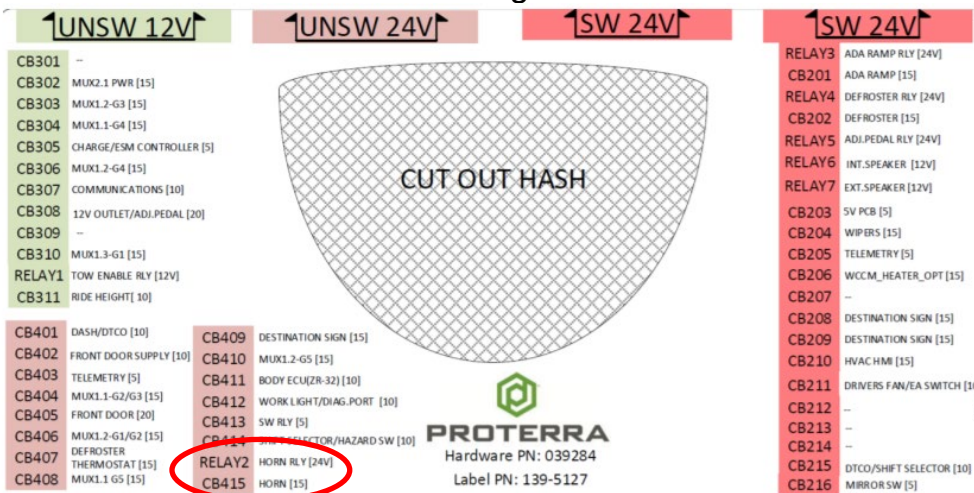
- 058299 RETROFIT KIT, 40' RR HORN RELAY/FUSE REPLACEMENT (Consisting of)
 - 139-5127 LABEL, ELECTRICAL CENTER, ECAB 1 EA
 - 013529 CIRCUIT BREAKER, COOPER BUSSMAN, 15AMP 1 EA
 - 128-2640 RELAY, ULTRA MICRO, 24V DC COIL, 30A CONTACT 1 EA

Procedure

1. Complete the Proterra approved Lockout/Tagout procedure to make the bus safe for work.
2. Using a T-30 Torx Driver, remove the ECAB Panel as shown in the following photograph.



3. Remove the VEC cover.
4. Using the new VEC Label as a guide, locate RELAY2 and CB415. These locations are shown circled in red in the following illustration.



5. Using the Yellow Tool provided inside the VEC, replace RELAY2 (128-2640) and CB415 (013529) with the new ones from the kit.
6. Remove the installed Label from the VEC.

7. Peel the backing from the new Label (139-5127) and install it on the VEC Cover.
8. Reinstall the VEC Cover.
9. Using a T-30 Torx Driver, reinstall the ECAB Panel that was removed earlier.
10. Remove the Lockout/Tagout devices and return the bus to service.