



PROTERRA



TECHNICAL SERVICE BULLETIN

ISSUE DATE:	5/26/2022
SERVICE BULLETIN SUBJECT:	35 Foot ZX5 Horn Relay Retrofit
VINs or MODELS AFFECTED:	Service Specified Buses
COMPLETE BY:	Next Service Opportunity
SERVICE BULLETIN #:	SC-22-64
LABOR OPERATION CODE:	N/A

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

35 FOOT ZX5 HORN RELAY RETROFIT

Description

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

Tools/Parts Required

Tools and Supplies Required:

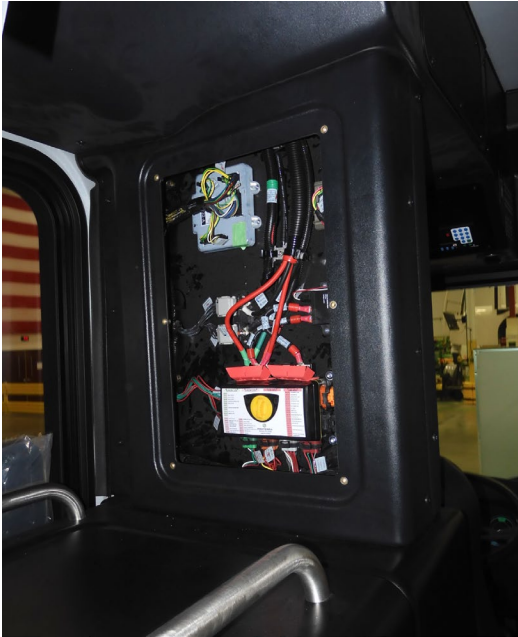
- T-30 Torx Driver

Kit Parts Required:

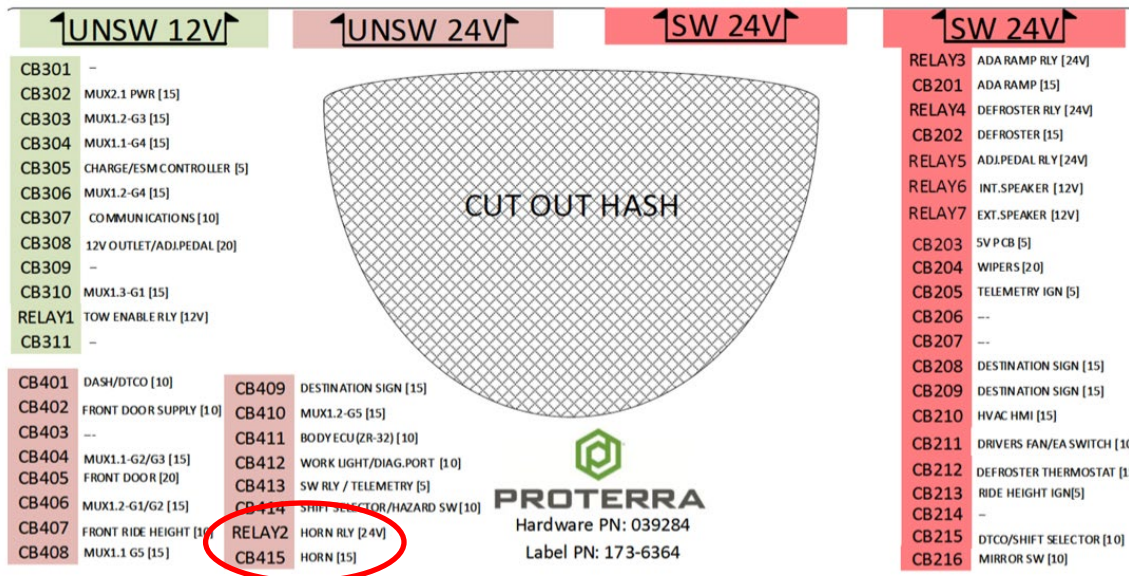
- 061509 Kit, Service, 35' ZX5 Horn Relay Retrofit (Consisting of)
 - 128-2640 RELAY, ULTRA MICRO, 24V DC COIL, 30A CONTACT 1 EA
 - 013529 CIRCUIT BREAKER, COOPER BUSSMAN, 15AMP 1 EA
 - 173-6364 LABEL, ELECTRICAL CENTER, ECAB 1 EA

Procedure

1. Perform 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 parts are shown circled in red below.



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 **(173-6364)** 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.