

New Jersey Transit: Relocate Ground for Fan Control

Relay



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Property and Top Bus Number: New Jersey Transit – 6001 to 6325



Issue: Ground for Fan Control Relay Causing False Code 2377

Reason/ cause: Current Chassis Ground for Fan Control Relay not Adequate

Solution: Remove Ground from Chassis Side and Install to ECM Ground

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Relay



Number of affected buses: 325

Estimate repair hours/bus: 1 Hour

Engineering Documentation:

Necessary parts:

Necessary tools:

Basic hand tools

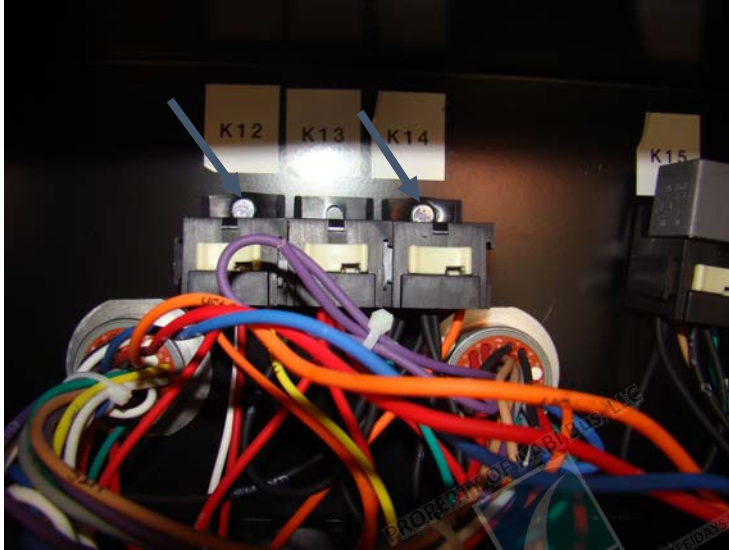


New Jersey Transit: Relocate Ground for Fan Control

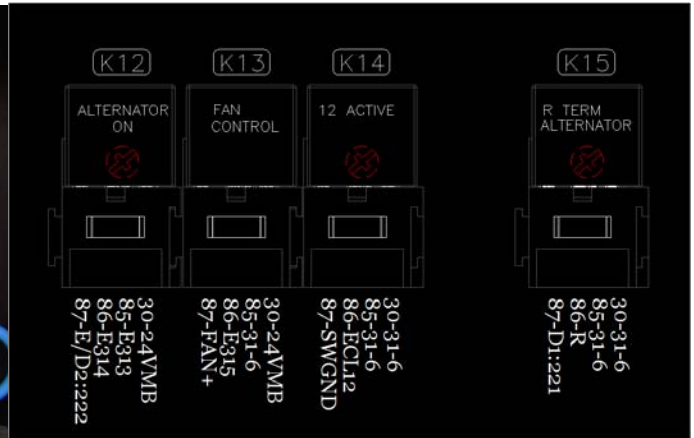
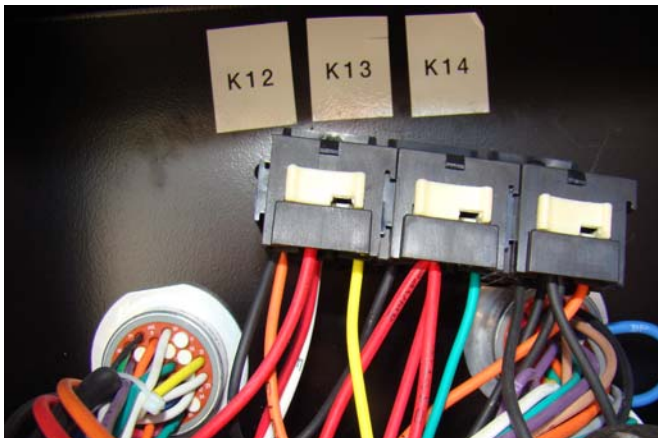
Relay



6. Remove the K12, K13 & K14 relays to access the relay base mounting screws (see below).



7. Remove the screws fastening the relay bases to the back wall of the engine control box (see below). Save the screws, they will be reused during reinstallation.

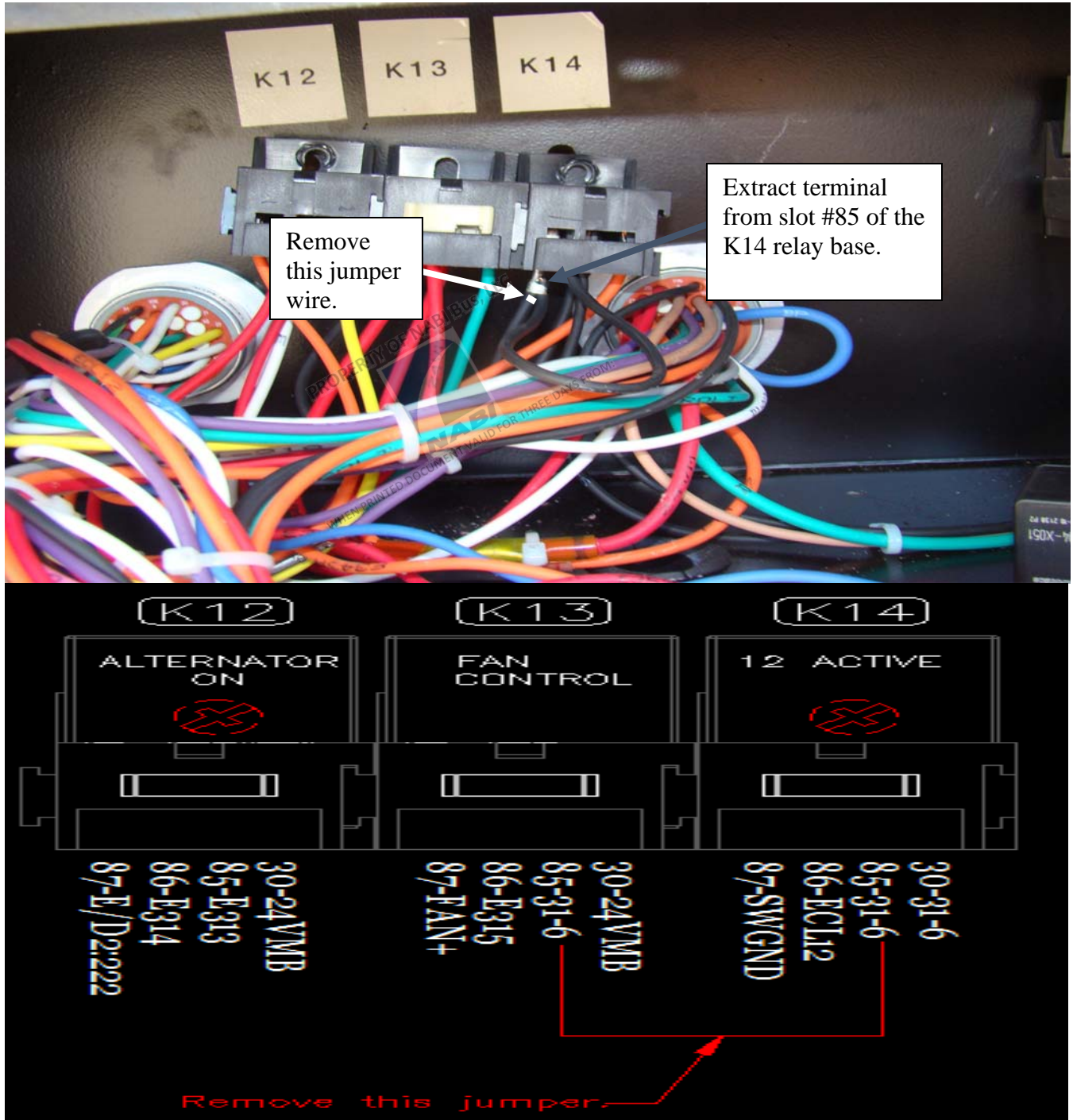


New Jersey Transit: Relocate Ground for Fan Control



Relay

8. Extract terminal from #85 of the K14 (12V Active) relay base and remove jumper wire number 85-31-6 from the K14 relay base (see below).

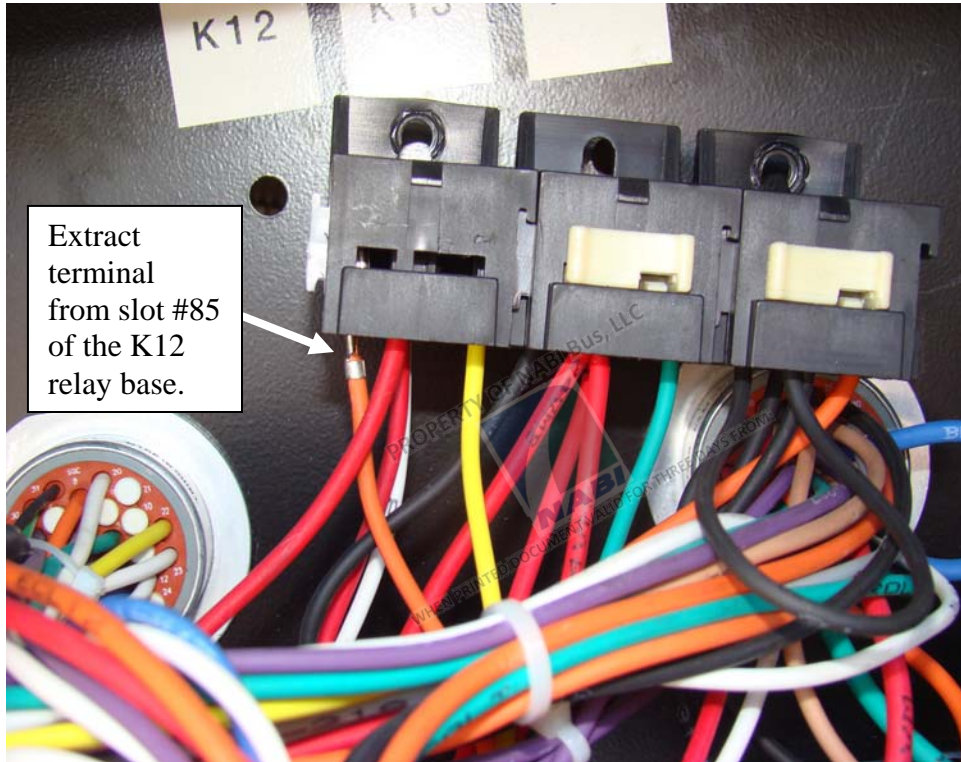


New Jersey Transit: Relocate Ground for Fan Control

Relay



9. Insert terminal removed in step 8 back into #85 of the K14 relay base.
10. Extract terminal from #85 of the K12 (Alternator On) relay base and remove wire number 85-E313 (see below).



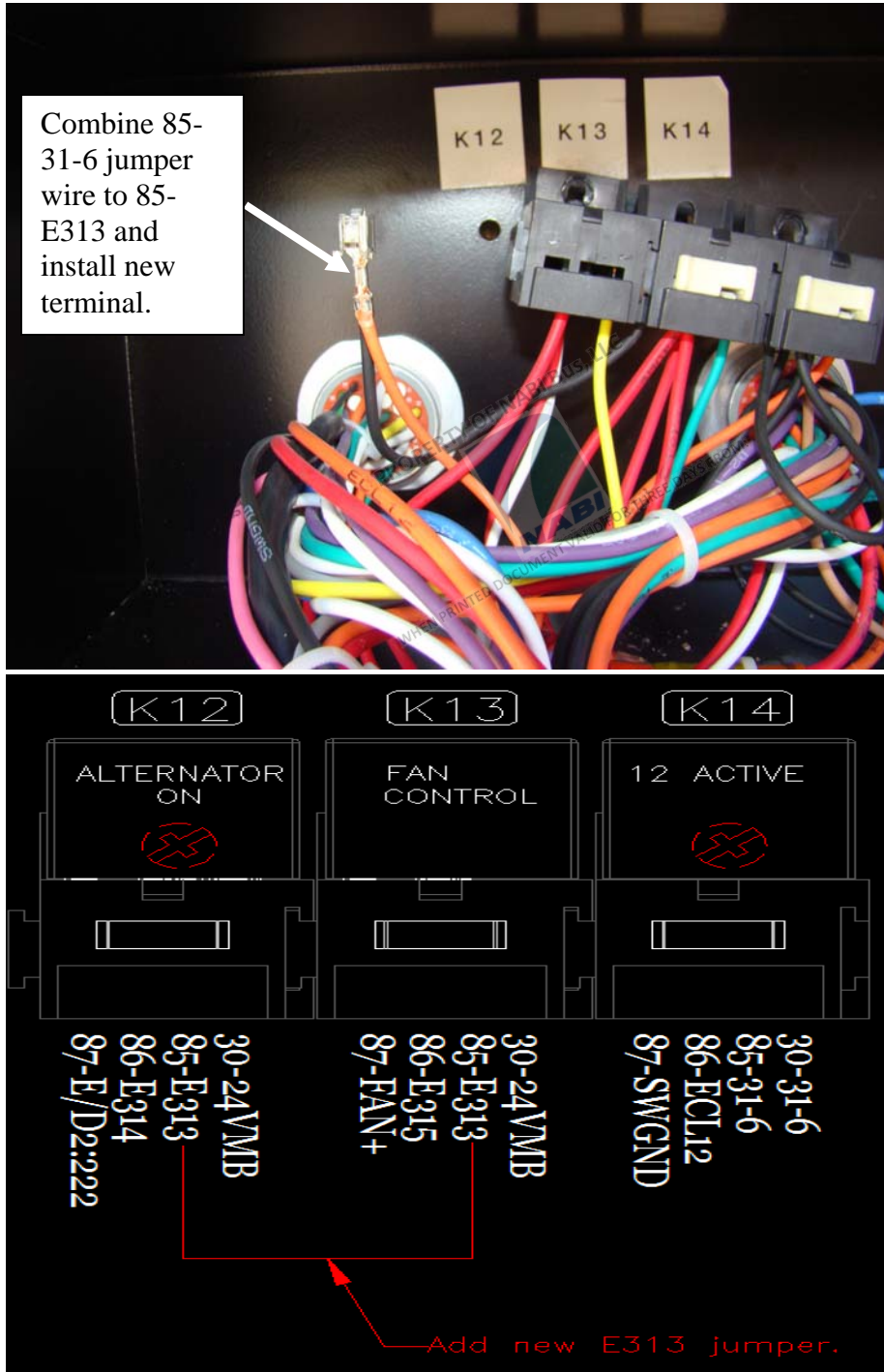
11. Cut off the terminal of the terminal extracted in step 10.

New Jersey Transit: Relocate Ground for Fan Control

Relay



12. Install jumper wire removed in step 8 (85-31-6) to 85-E313 of the K12 relay base and install a new terminal (see below).



New Jersey Transit: Relocate Ground for Fan Control

Relay



13. Insert terminal with new jumper wire back into slot #85 of the K12 relay base.
14. Reinstall the relay bases to the back wall of the engine control box using the fasteners removed in step 7.
15. Reinstall the relays that were removed in step 6 back to the K12, K13 & K14 relay bases.
16. Clean up any debris caused from performing this retrofit.
17. Reinstall the engine control box cover using the hardware removed in step 5.
18. Close the rear engine door.
19. Turn on the batteries using the battery disconnect switch.

