

Overview

Some vehicles equipped with the DCX controller experience a horn beep about 2 seconds after the throttle is returned to an "off" position. The beep is very short and is usually followed almost immediately by the solenoid dropping out. The solenoid drop out is normal, the DCX will keep it engaged for approximately 2 seconds after microswitch in the foot pedal is turned off. The beep, however, is not normal and just a nuisance alarm warning.

Products Affected:

DCX300 R11 & R12
DCX400 R11, R12, R13 & R14
DCX500 R11 & R12
DCX600 R11, R12, R13 & R14

Issue:

The circuit affected allows the buzzer to sound when the anti-roll away feature is active. Due to a small software glitch, the roll away feature will turn on before the controller has released the solenoid. This will cause the controller to think the vehicle rolling thus activating the buzzer. The condition only happens for about 1/2 a second, thus the short beep that is heard.

AXE/NPX/NCX controllers and DCX's with revisions other than listed ARE NOT affected by this issue.

The fix for this issue is a simple firmware upgrade. The window for the roll away feature and the solenoid release have been adjusted. The controller will now release the solenoid before the roll away detect is turned on.

Fix:

The firmware upgrade can be done by the customer or sent back to Alltrax for upgrade. Please contact Alltrax Technical Support to receive the upgrade or arrange for the controller to be returned for the upgrade.

Anyone that can program Alltrax controllers can apply this upgrade. Alltrax needs to supply the patch file before the upgrade can be done.

Instructions for uploading the file can be found in Tech Note #02 How to upgrade the Alltrax AXE and DCX Software with USB Interface.

(http://www.alltraxinc.com/files/Doc120-036-A_TN002-Upgrading-Alltrax-DCX-AXE-Software.pdf)

ALLTRAX Inc., Company History:

The company founder developed our core technology at the race track for high power electric vehicles. Throughout the 90's, the market demanded robust and high performance electronic controllers. In 2001 ALLTRAX was formed based on the E-race car developed technology.

Today, Power Conversion Engineering (PCE) is the research and development arm and ALLTRAX provides the industry a powerful and robust controller to meet all your recreational, industrial, and commercial electrical vehicle needs.

For more information please go to <http://www.alltraxinc.com>



"The company was founded at the track"