FRU Guide - Amphenol Charge Cable Latch Repair Kit Work Instructions

Amphenol Charge Cable Latch Repair Kit Work Instructions

CPE250, PowerLink 1.0

FRU Guide Published: 13 Aug 2025

Affected Models and Down Version: Amphenol CCS1 Charge Cables

Required Action: Replace latch using repair kit

Issue: CCS1 cable latch needs to be replaced

WARNING: Do not install or service the charging station in inclement weather. If you work in snow, rain, or wind, you must use a weatherproof shelter that covers all boxes and components.

CAUTION: Warranty Limitation

- If the charging station is not installed, commissioned, or serviced by a ChargePoint certified installer or technician using a ChargePoint-approved method, it is *excluded* from all ChargePoint and other warranties and ChargePoint is not responsible.
- You must be a licensed electrician and complete training at chargepoint.com/installers to become ChargePoint certified and to access ChargePoint's web-based installer tools or ChargePoint Installer app.

Contact ChargePoint at chargepoint.com/support with any questions related to this bulletin.

Introduction

CCS1 Amphenol Charge Cable can be safely repaired by field installers using this procedure.

Tools Needed

- Torque Screwdriver
- Torx T8 Star-Shaped internal bit
- Triangular bit size 2.0

Torque Screwdriver	Star-Shaped (Torx internal) bit size T8	Triangular bit size 2.0
 Not included in kit	 Not included in kit	 Included in kit

Included Repair Kit Parts

- Triangular bit size 2.0
- 2x short Torx T8 star-shaped screws
- 4x long triangle screws
- Handle Cover
- Metal Pin
- Rubber Latch Cover
- Spring
- Latch and Latch Jacket

2x short Torx T8 star-shaped screws	**4x long triangle screws**	**Handle Cover**	**Metal Pin**
			
Rubber Latch Cover	Spring	Latch and Latch Jacket	Triangular bit size 2.0
			

Procedure

1. **Follow this guide to service and replace the CCS1 latch on CPE250, Power Link 1.0, and Power Link 2.0 systems.**

DANGER: Risk of electric shock

Before You Begin

DANGER: RISK OF SHOCK

- Before any procedure, disconnect the power.
- Follow local code and site lockout/tagout procedure to de-energize the station.
- Wait for energy to dissipate (approximately five minutes).
- Keep power off until all covers and panels are reinstalled and the work is complete.

FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN SERIOUS INJURY, LOSS OF LIFE, OR PROPERTY DAMAGE.

WARNING: Do not install or service the charging station in inclement weather. If you work in snow, rain, or wind, you must use a weather-proof shelter that covers all boxes and components.

CAUTION: Keep components in original packaging, free of moisture, and protected from damage until you install or service them at the site. Store all shipments of components in a dry covered location and protect from moisture.

CAUTION: Comply with these guidelines to prevent component damage.

- Use tools suitable to torque metric fasteners. All fasteners used on the CP800 are in metric sizes.
- Use the given torque values to tighten the fasteners.
- Ensure that the tools such as torque tool, multimeter, and Ethernet tester are calibrated.

2. **Inspect main body exterior for unrepairable damage. If found, skip to step 6. Otherwise replace latch using Latch Repair Kit**

Remove and discard the two (2) Torx T8 short star-shaped screws at the front of the connector using Torx T8 star screw bit	**Remove and discard the four (4) triangle screws securing the handle cover using triangular screw bit**
	

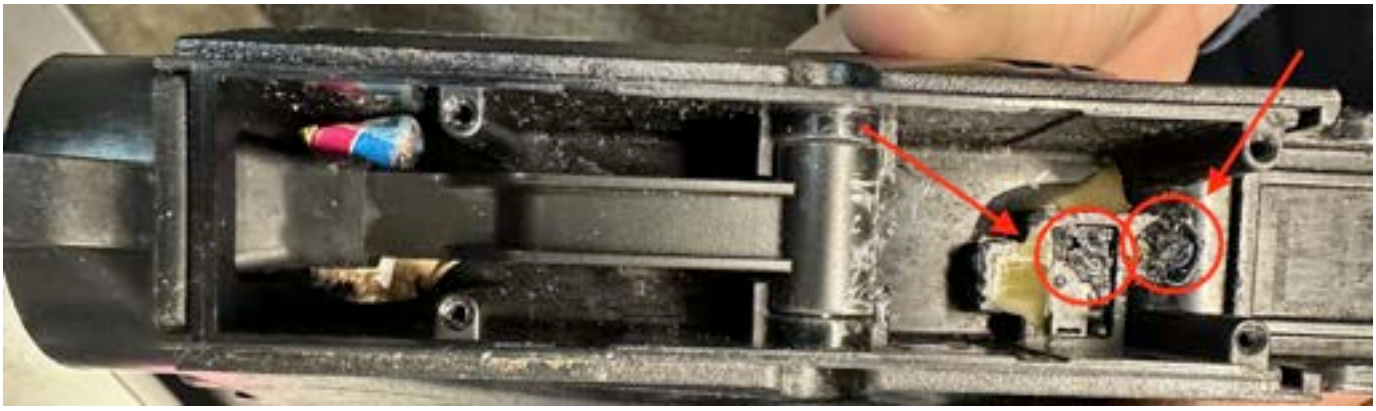
Remove and discard the handle cover by lifting up and sliding left through the latch	**Remove and discard the metal pin**
	

Remove and discard the rubber latch cover	Remove and discard rubber latch jacket
	

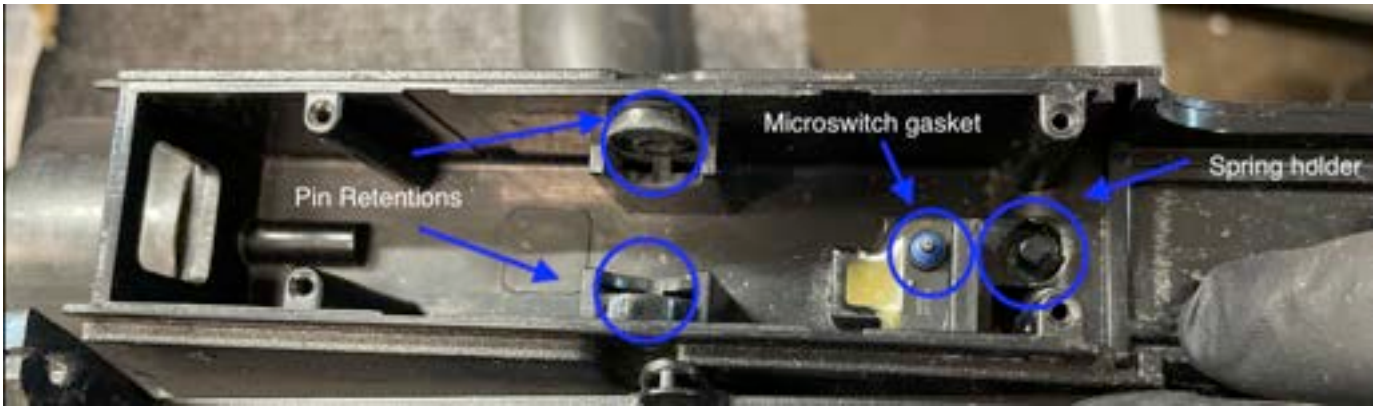
Remove and discard spring	Remove and discard latch
	

Inspect for unrepairable damage in microswitch gasket or spring holder. If found, skip to step 12. Otherwise, confirm all removed parts are discarded and proceed to replace parts with latch repair kit.

Damaged microswitch gasket and spring holder

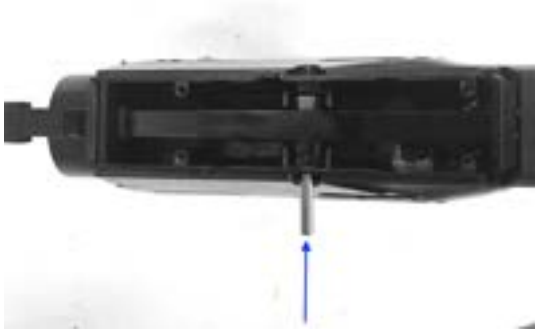
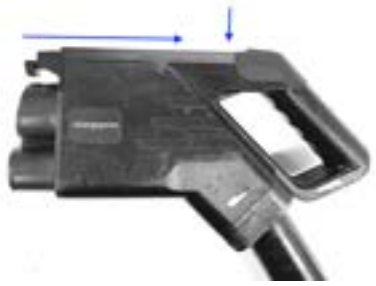


Passed Inspection with undamaged interior



Replace with new latch	Replace with new latch jacket
	Before replacement  After replacement 

Replace with new spring, while aligning spring holder	Replace with new rubber latch cover
	

Replace with new metal pin	Replace with new handle cover
	

Replace with 4 new triangular screws (Suggested Torque: 2-3 kfg*cm)	Replace with 2 new T8 star-shaped screws (Suggested Torque: 4-5 kgf*cm)
	

3. **Check for correction functioning of the cable by visually verifying latch function**

Before latch is pressed	After latch is pressed
	

4. **Check for correction functioning of the cable by running a charging session with an electric vehicle for at least 30 minutes. Make sure that the charging connector can be correctly plugged in and removed from the vehicle charging inlet.**
5. **Go to** http://chargepoint.com/support **, find your region's technical support number, and contact ChargePoint Support before releasing the charging station for use.**
6. **If latch is unable to be repaired, do not release the charging station for use and contact ChargePoint Support for replacement cable.**

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Important: Changes or modifications to this product not authorized by ChargePoint, inc., could affect the EMC compliance and revoke your authority to operate this product.

Exposure to Radio Frequency Energy: The radiated power output of the 802.11 b/g/n radio and cellular modem (optional) in this device is below the FCC radio frequency exposure limits for uncontrolled equipment. The antenna of this product, used under normal conditions, is at least 20 cm away from the body of the user. This device must not be co-located or operated with any other antenna or transmitter by the manufacturer, subject to the conditions of the FCC Grant.

ISED (formerly Industry Canada)

This device complies with the licence-exempt RSS standard(s) of Innovation, Science and Economic Development Canada (ISED). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux flux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada (ISDE). L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter.

Radiation Exposure Statement: This equipment complies with the IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Énoncé d'exposition aux rayonnements: Cet équipement est conforme aux limites d'exposition aux rayonnements ioniques RSS-102 Pour un environnement incontrôlé. Cet équipement doit être installé et utilisé avec un Distance minimale de 20 cm entre le radiateur et votre corps.

FCC/IC Compliance Labels

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75-001742-01 R3