

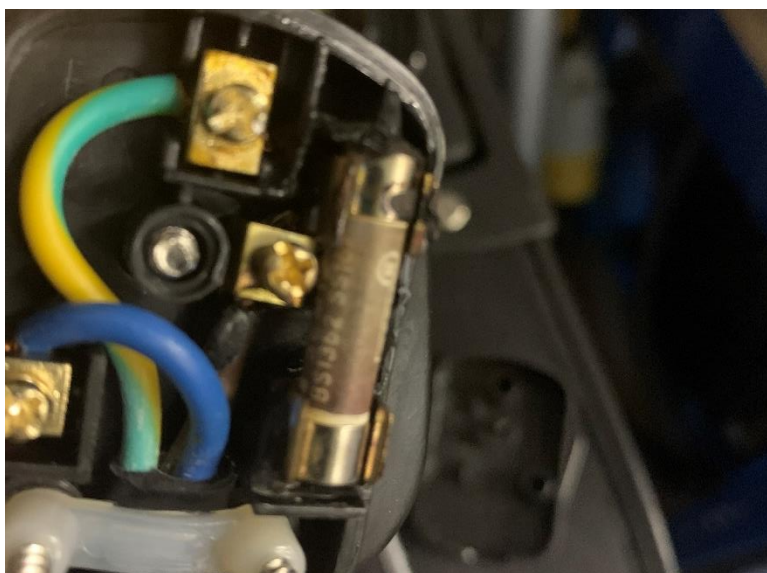
# Safety Alert

## PHEV extension lead charging

5 October 2021

### Background information

- A plug-in electric hybrid vehicle (PHEV) was being charged through a connection of an extension cable at an outstation.
- The extension lead was a three-pin (G-type) connection, which was then plugged into a socket in a store room.
- The extension lead had been used to charge vehicles for some time, sometimes with two vehicles being charged at the same time.
- An employee who was attempting to charge the one of the PHEV using this method, when they noticed that the vehicle was not charging and began investigating why.
- The switch had not tripped and the extension lead was checked using another electrical device. There was no action from the device.
- The extension lead was completely disconnected from all devices and the employee opened the plug. This showed the damage to the plug around the fuse area, as shown in the image.
- The duty Team Manager was informed of the event and the extension lead method of charging discontinued
- Guidance had previously been issued by the Vehicles team regarding the vehicles, which includes charging.



### Lessons Learnt

- No vehicle should be charged via indoor mains supplies.
- Only use dedicated PHEV charging points.
- Only use equipment that you have been briefed on its correct use, if in doubt ask.
- If any equipment appears defective, do not use, quarantine and report the defect.
- Do not tamper with or disassemble any equipment which you are not trained or authorised to do so.
- If you are unsure or do not understand a briefing or guidance issued, ask.

**NHa272**

If you have any queries about this safety alert information announcement or any other safety announcement then please contact **Bobby.McHale@highwaysengland.co.uk**

**home safe  
and well**