



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: PE 14-011
Date Opened: 04/15/2014
Investigator: Evan Frings **Reviewer:** Scott Yon
Approver: Frank Borris
Subject: Bosch EV charging cord overheating

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Robert Bosch LLC
Products: Bosch Power Xpress 240V charger
Population: 50 (Estimated)
Problem Description: Charging cord plug end to vehicle connection may over heat, burn, and melt housing.

FAILURE REPORT SUMMARY

| | ODI | Manufacturer | Total |
|------------------------------|-----|--------------|-------|
| Complaints: | 1 | TBD | TBD |
| Crashes/Fires: | 0 | TBD | TBD |
| Injury Incidents: | 0 | TBD | TBD |
| Number of Injuries: | 0 | TBD | TBD |
| Fatality Incidents: | 0 | TBD | TBD |
| Number of Fatalities: | 0 | TBD | TBD |

ACTION / SUMMARY INFORMATION

Action: Open a preliminary evaluation.

Summary:

The Office of Defects Investigation (ODI) has received one report from a consumer alleging a model year 2013 Nissan Leaf electric vehicle began to emit smoke around the vicinity of the vehicle/charger interface when charging at a private residence using a Bosch Power Xpress 240V charging unit. According to the owner, the vehicle had been charging for approximately 1 hour at 30 amps when signs of overheating were first noticed. The overheating condition can cause damage to the vehicle and charger rendering both inoperable. Charging vehicles are typically left unattended and there is a risk of fire that could affect the vehicle and its surrounding environment. The charger is primarily marketed to residential customers and is used to charge a wide variety of electric vehicles.

NHTSA is opening this investigation to evaluate the scope, frequency, and consequence of the alleged defect.

The ODI report cited above can be reviewed at <http://www-odi.nhtsa.dot.gov/owners/SearchSafetyIssues> under the following identification (ODI) number: 10537862