

RQ17-001 Cap Screw Failures

MY 2016-2017



INFORMATION Redacted PURSUANT TO THE
FREEDOM OF INFORMATION ACT (FOIA), 5 U.S.C. 552
(B)(6)

RQ17-001 DTNA Cap Screw Failures

- **Origin:** ODI received a VOQ reporting two fatalities on a 2017 Cascada with a separated steering linkage. Recall 15V-613 corrected an under-torque issue with the steering arm cap screws on the subject vehicles.
- **Why Chosen:** Update with intention to close without recall.
- **Alleged Shortcoming:** The alleged defect could result in a loss of steering for the passenger side wheelend
- **Hazard:** Vehicle crash
- **Field Data:** 1 VOQ, 3 Field Reports, 3 alleged crashes
 - Virginia State Police Roadside inspection
- **Severity Alleged:** Vehicle Crash
- **Population:** 127,674
- **Manufacturer Position:** Recall 15V-613 was issued due to a manufacturing issue during a limited scope. Production records show that all other vehicles were correctly torqued.
- **Risk Matrix:** Steering
- **Prior ODI Activity:**
 - Recall 15V-613
- **Next Steps:**
 - Close investigation

Assessment of IL Crash Truck

VRTC collected steering axle

- determined capscrew failure was result of the crash
- passenger side capscrews exhibited low torque after crash
- conducted field survey to determine if low torque was possible precursor to crash



Level IV Roadside Inspections with: Virginia State Police, DTNA, & Detroit Axle



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Nov 30 – Dec 1, 2017

I95 Southbound Inspection Station

Dumfries, VA

39 Trucks inspected

156 capscrews

None found to be under torqued

