

Subject Various Drivability Concerns and/or DTCs, Corrosion Present in A43 ECM Connector.	Market USA
Service Category Engine/Hybrid System Applicability Highlander	Section Engine Control

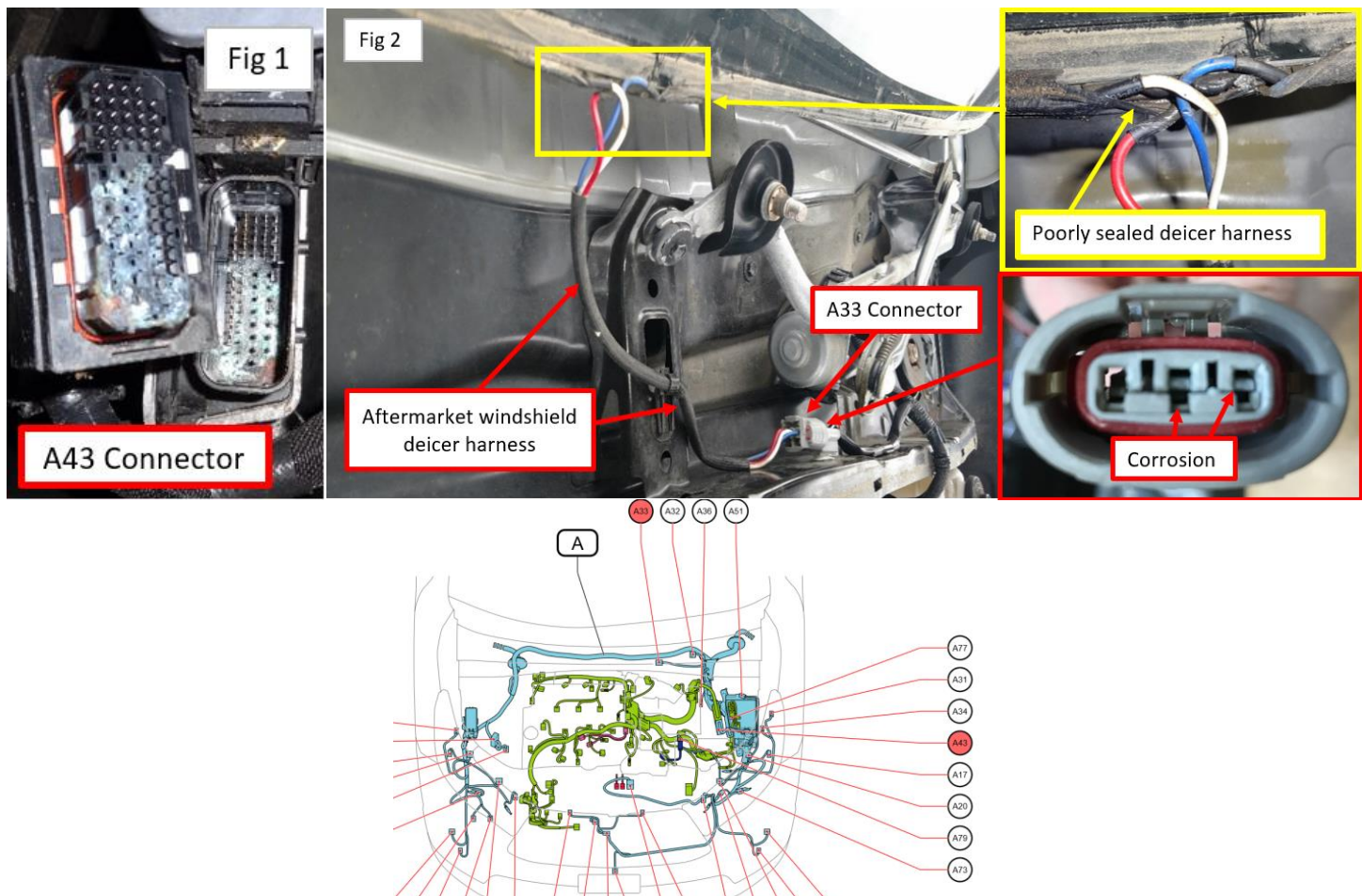
APPLICABLE VEHICLES

2014-2017

Highlander

CONDITION

Vehicles may experience various drivability concerns. Upon diagnosis, technicians commonly find no or low fuel pressure as well as a variety of DTCs (Commonly P1603, P1604, P1605, P0171, P0300, P0302, P0304, U0100). Technicians find that the cause this condition is corrosion and water in the A43 ECM connector (Fig 1). In several cases, it was found that the source of water was from aftermarket windshields with poorly sealed or damaged deicer harnesses (Fig 2). Water enters the deicer harness and is wicked through the engine room main harness, eventually collecting in the ECM connector.



Subject

Various Drivability Concerns and/or DTCs, Corrosion Present in A43 ECM Connector.

Applicability

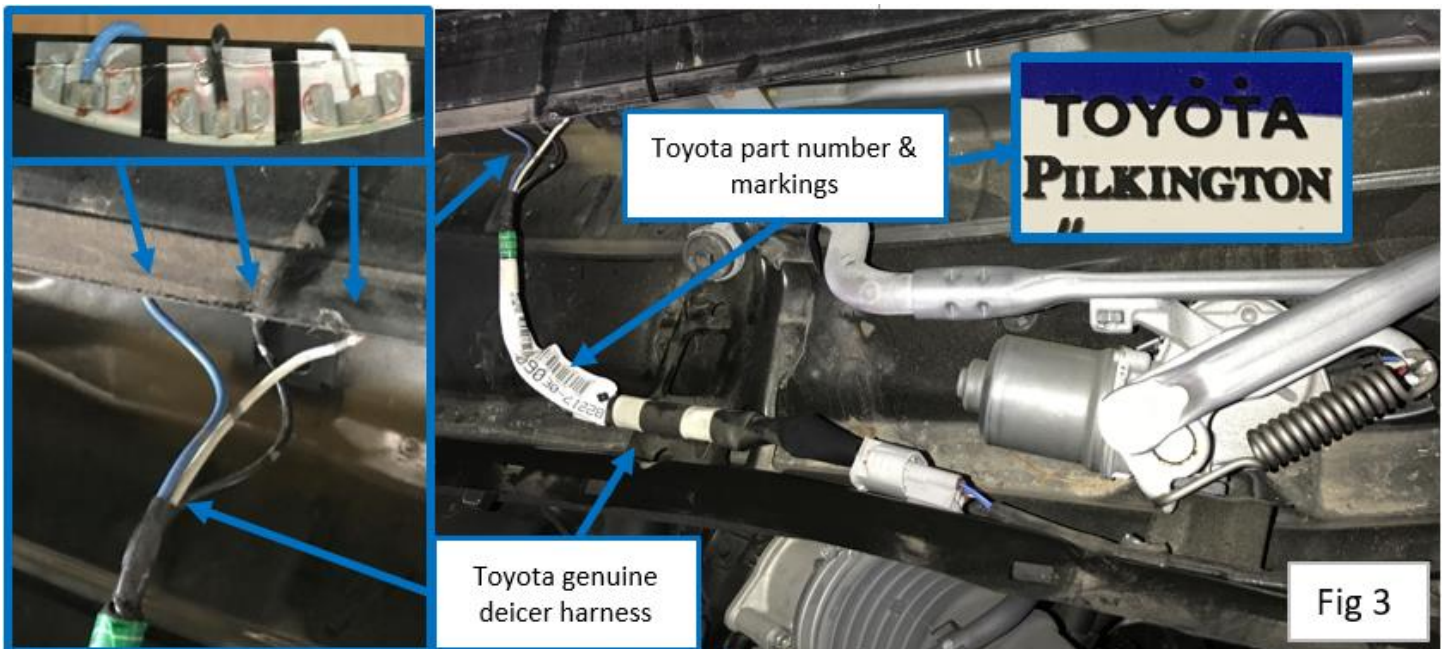
Market

USA

RECOMMENDATIONS

If you observe corrosion in the A43 ECM connector, the following is recommended:

- 1) Check for corrosion in the front windshield deicer connector of the engine room main wire harness (A33) (example shown in Fig 2).
- 2) Check for non-genuine Toyota windshields. Toyota genuine windshields will be marked "Toyota" on the glass and have a Toyota part number on the deicer harness (Fig 3).
- 3) Toyota recommends that windshields only be replaced with Toyota genuine parts. Toyota genuine windshields utilize seals to prevent water from entering the engine room main wire harness. In several cases, aftermarket windshields did not have seals to prevent water intrusion.
- 4) If corrosion is found in the A33 connector and the windshield is a Toyota genuine part, please contact TAS.



LINK REFERENCES

This Tech Tip does not contain any link references