



# Technical Bulletin

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| Model(s)               | Year      | Eng. Code | Trans. Code | VIN Range From | VIN Range To |
|------------------------|-----------|-----------|-------------|----------------|--------------|
| All<br>(Except Routan) | 2005-2015 | All       | All         | All            | All          |

## Condition

19 14 01 October 22, 2014 2022549 Supersedes T.B. V191303 dated October 10, 2013 to update model year applicability.

**Electric Coolant Fans Continue to Run after Ignition is Switched OFF**

 **Note:**

Customer concerns of “electric coolant fans continue to run after ignition is switched off” are resulting in unnecessary coolant fan replacements.

## Technical Background

It is considered normal operation for the electric coolant fans to continue to run for up to 15 minutes after the ignition is switched off in gasoline engine applications, and up to 16 minutes in diesel engine applications.

## Production Solution

No production change required.



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## Service

### Procedure:

- Verify the period of time the electric coolant fans continue to run after the vehicle ignition is switched off.

If the period verified is less than 15 minutes in gasoline engine applications, or less than 16 minutes in diesel engine applications, this is considered normal operation and the customer should be notified as such.

If the period verified is more than 15 minutes in gasoline engine applications, or more than 16 minutes in diesel engine applications, continue with diagnosis using GFF.

## Warranty

Information only.

## Required Parts and Tools

No Special Parts required.

No Special Tools required.

## Additional Information

**All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.**