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PuMA measure

## 4.24 Misfire detection: error in ignition coil absorption test

UR-V-2 65480848-02 - 7/21/20

### Complaint:

MIL light on / Engine management light on or/and engine running rough

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### Cause

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ISTA software 4.24.xx

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### Measure

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The rectification for the misfire detection, ignition coil absorption test will be implemented in ISTA 4.25.xx due to be release approximately 20th August 2020.

When carrying out the basic test for misfire detection on RR4 RR5 RR6 (N74R), the ignition coil absorption test fails when the engine is started. Investigation are ongoing to identify the root cause and provide a fix.

The error message states:

'Ignition coil test

The engine has stalled during the test or was not started.

The check was aborted'

The engine may start and run to specification without fault.

Until ISTA level 4.25.xx is released carry out the following in situations that misfire detection is required to be completed.

1. Check measure 62464192 'Information regarding ignition coil replacement' is relevant and replace the affected ignition coils accordingly.
2. Carry out misfire detection, attempt to carry out ignition coil absorption test as this cannot be overridden at this stage in the test module.

If the ignition coil absorption test fails, the test module can be continued.

Submit a diagnosis feedback ticket every time the test module fails, this is essential as it will help the ISTA team analyse and fix the problem.

A feedback ticket can be raised by selecting the envelope icon in the upper right of the ISTA screen.

3. Continue with misfire detection

IF no fault is identified with the ignition coils in the misfire detection test module replace all the ignition coils on the effected cylinders ONLY

Example 1:

Misfire, cylinder 1: injection is cut out

Misfire, cylinder 7: injection is cut out

Misfire, cylinder 11: injection is cut out

Replace the cylinder ignition coils 1, 7 and 11 only.

Example 2:

Misfire, cylinder 8: injection is cut out

Misfire, cylinder 10: injection is cut out

Misfire, Several cylinders: Injection is cut out

Replace ignition coils 8 and 10 as well as all the ignition coils on the effected bank the fault (Misfire, Several cylinders: Injection is cut out) has been stored.

If technical assistance is NOT required for investigation raise an INFORMATION case stating misfire detection error in the title. Please provide information on the ignition coils that have been replaced as part of the repair.

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## Validity information

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Model series: [RR5, RR4, RR6]

Engine range: [N74R]

Body style: [ALL]

Fault codes: []

Production period: -

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## Repair overviews

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## Attachments

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Number of attachments: 116