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June 5, 2018
Subaru Corporation

Report on Two Newly-Identified Issues Relating to the Measurement of Fuel Economy and Emissions at Our Gunma Manufacturing Division

Subaru Corporation hereby reports to the Ministry of Land, Infrastructure, Transport and Tourism (“MLIT”) on the information identified by the Company at this time regarding the two newly-identified issues relating to the measurement of fuel economy and emissions at our Gunma Manufacturing Division.

1. Trace errors in measurement

We have re-examined the data of 6,530 vehicles found on the hard disks of the measurement equipment and other storage media, which were tested after December 2012 (according to the monthly reports, the total number of vehicles tested from December 2012 onwards is 6,939.).

The permitted periods of deviation from prescribed speeds when conducting fuel economy and emissions measurements according to the JC08 mode testing operational methods are stipulated under detailed road transport vehicle safety standard guidelines (the “Detailed Guidelines”). To date, the above referenced re-examination has identified 903 instances in which despite the fact that during the measurement process the prescribed speed deviation periods exceeded the margins stipulated in the Detailed Guidelines, the measurement results were treated as valid measurements.

We are continuing to review the available data to confirm the number of vehicles for which such deviation period data was altered.

2. Measurements conducted in non-compliant humidity conditions

As a result of the careful re-examination of the data outlined in paragraph 1 above, it has been identified that, although the Detailed Guidelines require humidity to be maintained within a 30–75% range when measuring fuel economy and emissions, the humidity at the measurement sites for 31 vehicles was in fact outside this permitted range, and, despite such issue, the measurement results were recorded unaltered and treated as valid measurements

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(in seven of these 31 cases, the prescribed speed deviation periods also exceeded the stipulated margins as described in paragraph 1 above.).

We are continuing to review the available data, including those of above mentioned 31 vehicles, to confirm whether there were any cases in which the measurement site humidity data was altered.

3. Investigation into the two issues described above

We have not yet completed our investigation into the above conduct, including its causes and background, and the motivations behind it. We will first confirm the appropriate investigation methodology and then promptly examine these issues and all other processes related to final vehicle inspections, thoroughly review our measures to prevent any recurrence, and then provide a report to MLIT.

< For reference >

The attached table shows the overlap between the vehicles identified as being subject to the above-mentioned issues and those subject to the fuel economy and emissions data alteration issue reported in the Investigation Report on Measurement of Fuel Economy and Emissions During Final Vehicle Inspections dated April 27, 2018.

Overlap between the vehicles subject to the report dated June 5, 2018 and those reported on April 27, 2018

	No. of vehicles reported on April 27, 2018	No. of vehicles subject to the newly-identified issues reported on June 5, 2018			Total no. of vehicles affected
	<A>: Vehicles for which measurement value data was altered	<1>: Vehicles subject to trace error issue (*1)	<2>: Vehicles subject to humidity error issue (*2)	: <1> + <2> – Overlap	<A> + – Overlap
Emissions data related	474	903	31	927	1,222
Fuel economy data related	511	503 (*3)	19 (*4)	516	890
Total no. of vehicles affected by data alteration, etc.	903	903	31	927	1,551

(*1) Available data is under review to confirm no. of vehicles for which deviation period data was altered.

(*2) Available data is under review to confirm whether there were any cases in which site humidity data was altered.

(*3) Included in the "Emissions data related" figure in the box above.

(*4) Included in the "Emissions data related" figure in the box above.

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