Procedure of constant speed test (update)

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Speed and HVAC settings for constant speed test

1. Speed modes:

- ✓ 50 km/h (city traffic)
- √ 130 km/h (highway) (TBC)

2. HVAC mode:

- ✓ air conditioner: ON
- ✓ recirculation: ON
- ✓ ventilator speed: MAXIMAL
- ✓ outside air flaps: closed
- ✓ temperature: 20±2°C
- ✓ dashboard vent: all open and horizontal
- ✓ rear vents: closed



Constant speed test procedure

- 1. Start the engine and warm-up vehicle by driving for a minimum 15 minutes.
- 2. After warm-up, park the vehicle and set the vehicle's climate system to air conditioner: ON; recirculation: ON; outside air flaps: closed; temperature: 20±2°C; fan: highest level; dashboard vent: all open and horizontal, and rear vents: closed.
- 3. With the engine off, ventilate vehicle for 5 minutes with all doors open. Then close the doors and windows. Check vehicle for tightness. Check the door seals, windows, doors, trunk, and roof.
- 4. With the engine off measure the background pollutant concentrations. Start measuring wind speed, temperature and humidity at 1.0 m from ground. Sample air from a location between the front seats for 10 minutes. If sampling into a bag for on-site analyzes then take two samples over 10 minutes, one sample for the reported measurement and one as a backup in case of failure. Stop all measurements and proceed to the constant speed measurement.



Constant speed test procedure

- 5. Start the engine, confirm the climate system settings. Start driving and accelerate smoothly to a speed of 50 km/h. Measure the vehicle interior pollutant concentration level. Sample air from a location between the front seats, take at least 5 measurements during 15 minutes. If sampling into a bag for post analyzes then take two samples over 10 minutes, one sample for the reported measurement and one as a backup in case of failure. In case of windshield fogging during the test wipe it with paper napkin.
- 6. Repeat measurement in accordance with item 5 at a speed of 130 km/h.
- 7. Stop all measurements, park the vehicle and switch engine off.
- 8. Take another background measurement according to chapter 4.
- 9. Vehicle constant speed test is complete.



Thank you for your attention!





