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## 40 C.F.R. § 1036.520

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### Determining power and vehicle speed values for powertrain testing.

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This section describes how to determine the system peak power and continuous rated power of hybrid and nonhybrid powertrain systems and the vehicle speed for carrying out duty-cycle testing under this part and 40 CFR 1037.550.

(a) You must map or re-map an engine before a test if any of the following apply:

- (1) If you have not performed an initial engine map.
- (2) If the atmospheric pressure near the engine's air inlet is not within  $\pm 5$  kPa of the atmospheric pressure recorded at the time of the last engine map.
- (3) If the engine or emission-control system has undergone changes that might affect maximum torque performance. This includes changing the configuration of auxiliary work inputs and outputs.
- (4) If you capture an incomplete map on your first attempt or you do not complete a map within the specified time tolerance. You may repeat mapping as often as necessary to capture a complete map within the specified time.

(b) Set up the powertrain test according to 40 CFR 1037.550, with the following exceptions:

- (1) Use vehicle parameters, other than power, as specified in § 1036.510(b)(2). Use the applicable automatic transmission as specified in § 1036.540(c)(2).

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