

Failed Smog Check due to EGR/VVT OBD Monitoring

AFFECTED VEHICLES

Year	Model	Trim Level
2019–20	RLX Sport Hybrid	V6 3.5L
2019–20	RLX	V6 3.5L
2019–20	MDX Sport Hybrid	V6 3.0L
2019–20 2022–25	MDX	V6 3.5L
2019–20	TLX (V6)	V6 3.5L
2019–22	ILX	L4 2.4L
2019–20	TLX	L4 2.4L

BACKGROUND

Due to On-Board Diagnostic (OBD) regulation change starting with 2019 vehicles, American Honda's Variable Valve Timing and Lift Electronic Control (VTEC) On-Board Diagnostic monitors are now included in the EGR/VVT OBD Monitor Readiness status group.

GENERAL INFORMATION

Due to some client's driving patterns, they may not drive in the fashion needed to operate the VTEC (EGR/VVT) that only operates above **5,350 rpm** to run the OBD monitoring. Therefore, the EGR/VVT OBD monitor group readiness status is not set to "Complete" when the client presents their vehicle to a Smog Check station for inspection.

To better understand how to properly complete the OBD Monitor readiness for the VVT/VTEC monitor group the following drive pattern can be completed by the client or dealer:

Here's what you can do to make short work of setting the readiness status to "Complete":

- Select a nearby lightly traveled highway where you can maintain a speed of **50 to 60 MPH (80 to 97 km/h)**.
- **Do Not** exceed posted speed limits.
- **Do Not** use cruise control.

Perform the following when traffic allows:

1. Before entering the highway, come to a complete stop.
2. Place the transmission into sequential mode by pressing the D/S shift select button (or use L/S mode for CVT equipped vehicles). Using the paddle shifters (or shift lever for CVT) to control the shift points, begin accelerating up to **50 to 60 MPH**, while maintaining **5,500 to 6,500 engine RPM** continuously for at least **10 seconds**.
3. Then, place the transmission into DRIVE and continue for **90 seconds** while maintaining a steady throttle pedal position. (Vehicle speed may vary slightly; this is okay.)

NOTE: If you are not able to do this for a continuous 90 seconds due to traffic conditions, drive for at least **30 seconds**, then repeat (steady throttle pedal position for **30 seconds**) two more times (for a **total of 90 seconds**).