



**Aftermarket Parts Procedures Modification Workgroup
Intercooler Kits or Modifications to the Stock Intercooler System**

DATE: Tuesday, January 22, 2019
TIME: 10:00 a.m. – 1:00 p.m. (PST)
LOCATION: California Air Resources Board
Annex 4 Auditorium
9530 Telstar Avenue
El Monte, CA 91731

If you are unable to attend in person, the workshop will be available via webinar.
Visit the [webinar page](#), for details.

Agenda

Introductions and Background

Current Process in Evaluating Intercooler Kits or Modifications to the Stock Intercooler System

- Manufacturer submits a Form (A) application for Exemption of Add-On or Modified Parts (VC 27156)
 - Vehicle model
 - Kit or Component Part Numbers
 - Installation/modification instructions
 - EO Label sample
- Full disclosure of modifications being made
 - Specifications on new parts (volume, diameters, fin surface area, material used, etc.)
 - Connecting Pipes (design and routing)
 - ECU changes
 - Sensor changes, relocation or modification
 - Etc.

- Applications are too complex for one application
 - Multiple OEMs
 - Multiple Engine Technologies
 - Multiple Engine Configurations
 - Multiple OBD groups
 - Different Emission Standards
- Application review includes:
 - Verify devices are production ready (requirement)
 - Review each set of installation instructions, cross-check OEM service manuals
 - Review each vehicle on list for worst case test vehicle(s) selection
 - Research OBD interaction with device-modified parameters
 - Investigate advertising claims, user reviews, online videos
 - Request sample devices or components for verification and anti-tampering resistance
- Application follow-up may include:
 - Send need info letter
 - Long response time for manufacturers
 - Incomplete manufacturer responses
 - Manufacturer debating/challenging/withholding requested information
 - Prepare a test memo (if needed)
 - Complex applications require multiple vehicle/complex test letter
 - Worst-case vehicle(s) determination based on multiple criteria

Expectations for New Aftermarket Parts Regulation to Streamline the Process

- Smaller applications based on:
 - One OEM per application
 - Same engine design - V8, V6, L4, Etc.
 - Same weight category (PC or LDT or MDV)
 - Same engine technology or emissions control system
- Transparent application requirements

- Detailed descriptions
- Vehicle list requirements
- Installation guide requirements
- EO Label requirements

Goals for New Aftermarket Parts Regulation

- Electronic submissions
 - Online system
 - Application automatically rejected if info. is missing
 - Requirements unique to type of device