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
  o Multiple OEMs
  o Multiple Engine Technologies
  o Multiple Engine Configurations
  o Multiple OBD groups
  o Different Emission Standards

• Application review includes:
  o Verify devices are production ready (requirement)
  o Review each set of installation instructions, cross-check OEM service manuals
  o Review each vehicle on list for worst case test vehicle(s) selection
  o Research OBD interaction with device-modified parameters
  o Investigate advertising claims, user reviews, online videos
  o Request sample devices or components for verification and anti-tampering resistance

• Application follow-up may include:
  o Send need info letter
    ▪ Long response time for manufacturers
    ▪ Incomplete manufacturer responses
    ▪ Manufacturer debating/challenging/withholding requested information
  o 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:
  o One OEM per application
  o Same engine design - V8, V6, L4, Etc.
  o Same weight category (PC or LDT or MDV)
  o Same engine technology or emissions control system

• Transparent application requirements
o Detailed descriptions
o Vehicle list requirements
o Installation guide requirements
o 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