

Appendix F

Purpose and Rationale

Date of Release: June 23, 2020
Date of Hearing: August 27, 2020

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**LIST OF ACRONYMS AND ABBREVIATIONS USED IN APPENDICES
F-A-1, F-A-2, F-B-1, F-B-2, F-B-3, F-B-4, F-B-5, AND F-B-6**

Acronym or Abbreviation	Description
ABT	Averaging, Banking, And Trading
AESS	Automatic Engine Shutdown System
APU	Auxiliary Power Unit
ARB	California Air Resources Board
ATCM	Airborne Toxic Control Measure
CA	California
CARB	California Air Resources Board
CCR	California Code Of Regulations
CFR	Code Of Federal Regulations
CO	Carbon Monoxide
CO2	Carbon Dioxide
DDP	Durability Demonstration Program
DEF	Diesel Exhaust Fluid
DF	Deterioration Factors
DMV	Department Of Motor Vehicle
DPF	Diesel Particulate Filters
EAS	Combination Of the Engine, Aftertreatment System and Electronic Control Unit
EF	Engine Families
EGR	Exhaust Gas Recirculation
EIR	Emissions Information Report
EWIR	Emission Warranty Information Report
FCL	Family Certification Level
FEL	Family Emission Limit
FIR	Field Information Report
FR	Federal Register
FTP	Federal Test Procedure
GEM	Greenhouse Gas Emissions Model
GHG	Greenhouse Gas
GVWR	Gross Vehicle Weight Rating
HC	Hydrocarbons
HD	Heavy-Duty
HDIUC	Heavy-Duty In-Use Compliance
HDIUT	Heavy-Duty In-Use Testing
HDO	Heavy-Duty Otto-Cycle
HDTT	Heavy-Duty Transient Test
HHDD	Heavy Heavy-Duty Diesel
HHDE	Heavy Heavy-Duty Diesel Engine
IRAF	Infrequent Regeneration Adjustment Factors

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LEV II	Low-Emission Vehicle II
LEV III	Low-Emission Vehicle III
LHDD	Light Heavy-Duty Diesel
LHDDE	Light Heavy-Duty Diesel Engines
LLC	Low-Load Cycle
MAW	Moving Average Window
MHDD	Medium Heavy-Duty Diesel
MHDDE	Medium Heavy-Duty Diesel Engine
MIL	Malfunction Indicator Light
MY	Model Year
NMHC	Non-Methane Hydrocarbons
NMHC	Non-methane-Hydrocarbon
NMNEHC	Non-methane Non-ethane
NOx	Oxides Of Nitrogen
NTE	Not-To-Exceed
OBD	On-Board Diagnostics
PEMS	Portable Emissions Measurement System
PM	Particulate Matter
REAL	Real Emissions Assessment Logging
RMC	Ramped Modal Cycle
RMC-SET	Ramped Modal Cycle Version Of The Supplemental Emission Test
SCR	Selective Catalytic Reduction
SET	Supplemental Emission Test
SOS	Sum-Over-Sum
SwRI	Southwest Research Institute
TP	Test Procedures
TWC	Three-Way Catalyst
U.S. EPA	United States Environmental Protection Agency
UC	University Of California
ULEV	Ultra Low-Emission Vehicle
ZEV	Zero-Emission Vehicle