

USEPA/CARB

Light-Duty Vehicle Certification Summary Information (CSI)

CSI-1 Certification General Information

Model Year 100	internal use EPA Certificate of Conformity # :	EPA Application Submission Date:
EPA certification Fee Paid Date: 101	internal use only CARB Executive Order #:	CARB Application Submission Date:
Manufacturer Name: 102 auto generated by VERIFY even for XML (legal name appears on the EPA Certificate and CARB EO)		CARB MFR Code, as applicable: 103
Test Group Name: 104 (unique 12-digit EPA name)	Durability Group Name(s): 105 (1~1 relationship= one TD to one DG)	
Application Type: 106 <input type="checkbox"/> NEW <input type="checkbox"/> C/O : carryover – CARB only <input type="checkbox"/> R/C : running change – CARB only <input type="checkbox"/> F/F : field fix – CARB only <input type="checkbox"/> REV : revision if carryover, then enter C/O Test Group name: 140 A12	EPA Federal Clean Fleet Fuel TG: 107 <input type="checkbox"/> Yes <input type="checkbox"/> NO Early Compliant Green House Gas Test Group: 108 <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, then fill out CSI2C	
EPA Sales Areas (of all vehicles in the Test Group): 109 <input type="checkbox"/> 50 States <input type="checkbox"/> 49 States <input type="checkbox"/> California Only CA - California + 177 States (includes California Tier 1, TLEV-I, LEV-I, ULEV-I, SULEV-I, LEV-II, LEV-II Opt I, ULEV-II, SULEV-II and ZEV vehicles) FA - Federal Tier 2 (Bins 1-11); Federal Interim Non-Tier 2 (Bins 1-11); Federal All Altitude (Tier 1 for LDV, LLDT; Tier 1, LEV or ULEV, for HLDLT, which becomes obsolete in 2004 for all except small volume hardship vehicles and HLDLTs certified via 86.1811-04(l)(2)(vii); obsolete in 2005 for all vehicles). NL - NLEV - All States Trading Region (TLEV, LEV, ULEV, ZEV). May be used in combination with FA Tier 2 (Bins 1-11) for early Tier 2 credits or with FA Interim Non-Tier 2 (Bin 1-11); obsolete in 2004. CF - Federal Clean Fueled Fleet Areas (LEV, ULEV, ILEV, ZEV) If Certified to Same Standards: CL - CA + NL (Obsolete in 2004) NF - CA + NL + CF (Obsolete in 2004) FC - Federal and California - Tier 2 only	Test Group Label Types: of all vehicles in the Test Group that the VECI label is designated for sales 110 A1 <input type="checkbox"/> 50 States <input type="checkbox"/> 49 States <input type="checkbox"/> California Only <input type="checkbox"/> 50 State + 49 States <input type="checkbox"/> 50States + California <input type="checkbox"/> 49 States + California <input type="checkbox"/> 50 State + 49 States+ California <input type="checkbox"/> AB965 = CARB sales of 49-State certified = require CARB certification <input type="checkbox"/> AB965 + 49 States	
EPA Small MFR Recognition: 111 <input type="checkbox"/> Yes <input type="checkbox"/> NO	CARB MFR Volume Status for this Test Group?: 112 <input type="checkbox"/> SVM <input type="checkbox"/> Intermediate Volume Mfr. <input type="checkbox"/> Independent Low Volume Mfr. <input type="checkbox"/> N/A (not SVM or Intermediate or Independent Low Volume)	
Tier 2 program indicator: 113 <input type="checkbox"/> Tier 2 <input type="checkbox"/> Interim non-Tier 2 <input type="checkbox"/> N/A	Is this Test Group meeting the CARB alternative In-Use Exhaust Emission Standards 114 <input type="checkbox"/> Yes <input type="checkbox"/> No	
EPA Exhaust Emission Standard Name: 115 <input type="checkbox"/> Bin 1 <input type="checkbox"/> Bin 2 <input type="checkbox"/> Bin 3 <input type="checkbox"/> Bin 4 <input type="checkbox"/> Bin 5 <input type="checkbox"/> Bin 6 <input type="checkbox"/> Bin 7 <input type="checkbox"/> Bin 8 <input type="checkbox"/> Bin 9 <input type="checkbox"/> Bin 10 <input type="checkbox"/> Bin 11 <input type="checkbox"/> Tier 0 <input type="checkbox"/> Tier 1 <input type="checkbox"/> HDV <input type="checkbox"/> Other ??? If other then use CSII notes to explain	CARB FTP Exhaust Emission Standard Name: 116 <input type="checkbox"/> EPA Bin 1 <input type="checkbox"/> EPA Bin 2 <input type="checkbox"/> EPA Bin 3 <input type="checkbox"/> EPA Bin 4 <input type="checkbox"/> EPA Bin 5 <input type="checkbox"/> EPA Bin 6 <input type="checkbox"/> EPA Bin 7 <input type="checkbox"/> EPA Bin 8 <input type="checkbox"/> EPA Bin 9 <input type="checkbox"/> EPA Bin 10 <input type="checkbox"/> EPA Bin 11 <input type="checkbox"/> LEV2 LEV <input type="checkbox"/> LEV2 ULEV <input type="checkbox"/> LEV2 SULEV <input type="checkbox"/> ZEV	

EPA Vehicle Class for FTP Exhaust Emission Standard: 117 <input type="checkbox"/> Passenger Car <input type="checkbox"/> Light Duty Truck (GVWR < 8500) <input type="checkbox"/> Passenger Car / Light Duty Truck (GVW < 8500) <input type="checkbox"/> Medium-Duty Vehicle (GVWR = 8501 ~ 10000) <input type="checkbox"/> Medium-Duty Vehicle (GVW = 10001 ~ 14000)		Test Group Vehicle Class for FTP Exhaust Emission Compliance: 118 <input type="checkbox"/> 1 = Passenger Car <input type="checkbox"/> 2 = Light Duty Truck (GVW < 8500) <input type="checkbox"/> 3 = Passenger Car + Light Duty Truck (GVW < 8500) <input type="checkbox"/> 4 = Medium-Duty Vehicle (GVW = 8501 ~ 10000) <input type="checkbox"/> 5 = Medium-Duty Vehicle (GVW = 10001 ~ 14000)	
EPA GVW Category: 119 <input type="checkbox"/> FHLDT = Federal heavy light duty truck <input type="checkbox"/> FLDV = Federal light duty vehicle <input type="checkbox"/> FLLDT = Federal light-light truck <input type="checkbox"/> FLDT = Federal light duty truck <input type="checkbox"/> CLDV = California light duty vehicle <input type="checkbox"/> CLDT = California light duty truck (GVW < 8501) <input type="checkbox"/> MDV = California medium duty vehicle <input type="checkbox"/> LDV = light duty vehicle <input type="checkbox"/> LDT = light duty truck <input type="checkbox"/> MDPV = medium duty passenger vehicle <input type="checkbox"/> FVT = Federal light duty vehicle or truck <input type="checkbox"/> CVT = California light duty vehicle or truck <input type="checkbox"/> FHDV1 = Federal heavy duty chassis (GVWR 8501-10000) <input type="checkbox"/> FHDV2 = Federal heavy duty chassis (GVWR 10001-14000) <input type="checkbox"/> MDV6 = California medium vehicle (GVWR 8501-10000) <input type="checkbox"/> MDV7 = California medium vehicle (GVWR 10001-14000)		Test Group Vehicle Class for Cold-CO Exhaust Emission Compliance: 120 <input type="checkbox"/> 1 = Passenger Car <input type="checkbox"/> 2 = Passenger Car + Light Duty Truck (LVW = 0 ~ 3750) <input type="checkbox"/> 3 = Passenger Car + Light Duty Truck (LVW = 3751 ~ GVW=8500) <input type="checkbox"/> 4 = Passenger Car + Light Duty Truck (LVW 0~ 3750) + Light Duty Truck (LVW 3751 ~ GVW=8500) <input type="checkbox"/> 5 = Light Duty Truck (LVW = 0 ~ 3750) <input type="checkbox"/> 6 = Light Duty Truck (LVW = 3751 ~ GVW=8500) <input type="checkbox"/> 7 = Light Duty Truck (LVW 0~ 3750) + Light Duty Truck (LVW 3751 ~ GVW=8500)	
Is This Test Group Subject to SFTP Exhaust Emission Standard: 121 <input type="checkbox"/> Yes <input type="checkbox"/> No		Test Group meeting Optional LEV NOx exhaust emission standard certification for "work trucks": 122 <input type="checkbox"/> Yes <input type="checkbox"/> No	
Vehicle Fuel Category in the Test Group: 123 A2 <input type="checkbox"/> SF = Single Fuel vehicle (including Hydrogen) <input type="checkbox"/> FF = Flex-fuel vehicle (FFV) <input type="checkbox"/> DF = Dual-fuel vehicle <input type="checkbox"/> BF = Bi-fuel vehicle <input type="checkbox"/> HV = Hybrid Electric Vehicle <input type="checkbox"/> EV = ZEV (NEV or Battery Electric Vehicle) -- CARB <input type="checkbox"/> FC = ZEV (Fuel Cell Vehicle)		Test Group Vehicle Class for SFTP Exhaust Emission Compliance: 124 <input type="checkbox"/> 1 = Passenger Car <input type="checkbox"/> 2 = Passenger Car + Light Duty Truck (LVW = 0 ~ 3750) <input type="checkbox"/> 3 = Passenger Car + Light Duty Truck (LVW = 3751 ~ 5750) <input type="checkbox"/> 4 = Passenger Car + Light Duty Truck (LVW 0~ 3750) + Light Duty Truck (LVW 3751 ~ 5750) <input type="checkbox"/> 5 = Light Duty Truck (LVW = 0 ~ 3750) <input type="checkbox"/> 6 = Light Duty Truck (LVW = 3751 ~ 5750) <input type="checkbox"/> 7 = Medium Duty Vehicle (GVWR 6000-8500; ALVW = 3751 ~ 5750) <input type="checkbox"/> 8 = Medium Duty Vehicle (GVWR 6000-8500; ALVW = 5751 ~ 8500) <input type="checkbox"/> 9 = Light Duty Truck (LVW 0~ 3750) + Light Duty Truck (LVW 3751 ~ GVW=8500)	
Vehicles in this Test Group PZEV? 125 <input type="checkbox"/> Yes <input type="checkbox"/> No		PZEV Base Allowance? 126 <input type="checkbox"/> Yes <input type="checkbox"/> No PZEV Zero Emission VMT Allowance? 127 <input type="checkbox"/> Yes <input type="checkbox"/> No	
Test Group's On-Board Diagnostic Compliance Type: 129 <input type="checkbox"/> 1 = Full – no Deficiencies <input type="checkbox"/> 2 = Partial– with Deficiencies <input type="checkbox"/> 3 = Partial– with Deficiencies and Penalty <input type="checkbox"/> 4 = Partial– some models without Deficiencies and some models with Deficiencies <input type="checkbox"/> 4 = Partial– some models without Deficiencies and some models with Deficiencies and Penalty		PZEV Advance Technology Allowances? 130 <input type="checkbox"/> 1 = AT1 - hi-pressure gaseous or H2 storage <input type="checkbox"/> 2 = AT2 - qualifying hybrid electric drive <input type="checkbox"/> 3 = AT3 - low fuel cycle emissions <input type="checkbox"/> 4 = AT1+AT2+AT3 <input type="checkbox"/> 5 = AT1+AT2 <input type="checkbox"/> 6 = AT1 +AT3 <input type="checkbox"/> 7 = AT2+AT3	
OBD Approval Agency: 131 <input type="checkbox"/> EPA <input type="checkbox"/> CARB		NMOG credit for non-PZEV vehicles meeting Zero Evaporative Emissions Standards? 132 <input type="checkbox"/> Yes <input type="checkbox"/> No	NMOG credit for Direct Ozone Reduction (DOR) Technology: 133 <input type="checkbox"/> Yes <input type="checkbox"/> No
EPA NOx Fleet Average Test Group : 134 <input type="checkbox"/> Yes or <input type="checkbox"/> No		Does this Test Group Uses Fuel Fired Heater? 135 <input type="checkbox"/> Yes <input type="checkbox"/> No	Date this Test Group will be introduced into commerce? 136 Date yyyy/mm/dd
Applicant notes CSI 1: 137 A1000			

Legend: This is the element color coding scheme to decipher the CSI

	Not displayed on web – internal database use only
	Repeating the entire CSI for additional data entry
	Fields within one CSI that are repeating for additional data entry (nested repeating fields)
	CARB ONLY fields or CARB only CSI
	CBI – not to display for outsider
	No data entry
	EPA ONLY FIELDS
TEXT / 9999	field drop down and values
<input type="checkbox"/>	Check box – values for dropdown menu – only select one for valid choice
9999	field number maps to the spreadsheet for data requirement numbering system
text	grey out field until previous field choice is = other
text	XML field value must pass to CARB from VERIFY – internal CARB fields only
text	CBI – confidential fields Pass to CARB but not for public use
text	Duplicate fields (EPA/ARB) needs to resolve
Text / 9999	Field value to be displayed from previously enter data field number

NOTE 1: All CSI field numbers are suppose to be unique; any CSI field numbers that duplicates or repeated must be corrected. Please report any duplicate field numbering as you review through these forms.

NOTE 2: Transferring of CSI numbered data element into the data element/requirement spreadsheet should follow the CSI field numbering scheme. Using both CSI (a pictorial roadmap) and the data element/requirement spread sheet should provide LDV certification data submittal requirements.

Certification Summary Information (CSI – continued)

CSI-10 ZEV: HEV / ZEV Information

HEV / ZEV Set (1~n) REPEAT FIELDS 150-234					
Reference ZEV Set number (1-n): 150 -- CARB internal only			HEV or ZEV? 233 <input type="checkbox"/> HEV <input type="checkbox"/> ZEV		
HEV General Information			ZEV General Information		
Hybrid Electric Vehicle Class: 151 <input type="checkbox"/> Type A <input type="checkbox"/> Type B <input type="checkbox"/> Type C <input type="checkbox"/> Type D <input type="checkbox"/> Type E <input type="checkbox"/> NA			ZEV Tier: 152 <input type="checkbox"/> NEV <input type="checkbox"/> Type 0 <input type="checkbox"/> Type I <input type="checkbox"/> Type II <input type="checkbox"/> Type III <input type="checkbox"/> NA		
HEV Test Vehicle ID: 234			ZEV Vehicle Model Name: 153		
HEV Electric Drive System Peak Power Output (kW): 179			Is this Model the Test Vehicle: 154 <input type="checkbox"/> Yes <input type="checkbox"/> No		
HEV Traction Drive System Voltage (V): 180			ZEV Test Vehicle ID: 155		
HEV Traction Drive Boost: 181 <input type="checkbox"/> Yes <input type="checkbox"/> No			Zero Emission Vehicle (ZEV) Category: 156 <input type="checkbox"/> Battery <input type="checkbox"/> Fuel Cell <input type="checkbox"/> Other If ZEV Category=Other: 157		
HEV Regenerative Braking: 182 <input type="checkbox"/> Yes <input type="checkbox"/> No			ZEV Projected Sales: 158		
HEV Idle Start / Stop: 183 <input type="checkbox"/> Yes <input type="checkbox"/> No			CARB ZEV Multiplier?: 218 F(5.2)		
Energy Storage Device Category: 159 <input type="checkbox"/> Battery <input type="checkbox"/> Capacitor <input type="checkbox"/> Battery + Capacitor <input type="checkbox"/> Other If Other: 160			Battery Charger Type: 168 <input type="checkbox"/> On-board <input type="checkbox"/> Off-board <input type="checkbox"/> Both		
Battery Type: 161 <input type="checkbox"/> Lead Acid <input type="checkbox"/> NiMH <input type="checkbox"/> Li+ <input type="checkbox"/> Other If Other: 162			Battery Charging Method: 169 <input type="checkbox"/> Inductive <input type="checkbox"/> Conductive <input type="checkbox"/> Other Battery Charging Method, If other, 170		
Number of Batteries : 163			ZEV Level One Charging Compliant: 171 <input type="checkbox"/> Yes <input type="checkbox"/> No		
Total weight of Batteries (kg): 164			Regenerative Braking: 172 <input type="checkbox"/> Yes <input type="checkbox"/> No		
Total Battery Pack(s) Voltage: 165			Regenerative Braking Source: 173 <input type="checkbox"/> Front Wheels <input type="checkbox"/> Rear Wheels <input type="checkbox"/> All Wheels		
Battery Pack(s) Energy Capacity using C3 procedure (Ah): 166			Driver Control Regenerative Braking: 174 <input type="checkbox"/> Yes <input type="checkbox"/> No		
Complete Battery Pack(s) Specific Energy (Whr/kg): 167			Drive Motor Rated Power: (unit: kW) 175 @ RPM: 176		
Capacitors Information: Total number of capacitors based on 177			Number of Drive Motors: 185		
Capacitors Information: (Individual capacitor rating in Farads)			Drive Motor Type: 186 <input type="checkbox"/> AC Induction <input type="checkbox"/> DC Brushless <input type="checkbox"/> DC Brush <input type="checkbox"/> Other		
Capacitor 1	178	Capacitor 4		Capacitor 7	
Capacitor 2		Capacitor 5		Capacitor 8	
Capacitor 3		Capacitor 6		Capacitor 9	
ZEV Test Parameter Information Section					
ZEV Vehicle Configuration: 188		Front Tire Size: 189		Back Tire Size: 190	
ALVW (Lb): 191		LVW(Lb): 192		A Target Coefficient: 197	
GVW(Lb): 193		ETW(Lb): 194		A Set Coefficient: 210	
Curb Weight(Lb): 195		Vehicle Range (mi): 196		B Target Coefficient: 198	
Transmission Type: 213 <input type="checkbox"/> A = Auto <input type="checkbox"/> M =Manual <input type="checkbox"/> SA = Semi Auto <input type="checkbox"/> CVT = Continuous Variable <input type="checkbox"/> NA		C Target Coefficient: 199		C Set Coefficient: 212	
Transmission Number of Gears: 214		Road Load Horsepower (RLHP): 215			
All Electric Range Test Information Section:					
Urban			Highway		
All Electric Range-Urban (unit=miles): 220			All Electric Range-Highway (unit=miles): 226		
Total DC energy Output during All electric range Urban Test (kWh/mi):221			Total DC energy Output during All electric range Highway Test (kWh/mi): 227		
Total DC energy Input during All electric range Urban Test (kWh/mi): 222			Total DC energy Input during All electric range Highway Test (kWh/mi): 228		
Net DC energy expended during All electric range Urban Test (kWh/mi): 223			Net DC energy expended during All electric range Highway Test (kWh/mi):229		
Total AC energy to fully charge Batteries after all electric range Urban Test (kWh/mi) : 224			Total AC energy to fully charge Batteries after all electric range Highway Test (kWh/mi) : 230		
Total DC energy to fully charge Batteries after all electric range Urban Test (kWh/mi): 225			Total DC energy to fully charge Batteries after all electric range Highway Test (kWh/mi): 231		
Applicant notes CSI - ZEV:		232 A1000			

Certification Summary Information (CSI – continued)

CSI2A2: CARB - FTP Exhaust Emission Standards and Certification Levels

CARB FTP Exhaust Emission Standards and Certification Levels									
CARB FTP vehicle emission class : A200					Vehicle Fuel Category: A199 (get from CSI-1 field 123) <input type="checkbox"/> SF ; <input type="checkbox"/> BF; <input type="checkbox"/> DF ; <input type="checkbox"/> FF; if = BF, DF, FF then must fill CSI2A2 again for the second fuel type				
Exhaust FTP Emission Test Fuel Category: A201 <input type="checkbox"/> Gasoline <input type="checkbox"/> CNG <input type="checkbox"/> LPG <input type="checkbox"/> Ethanol <input type="checkbox"/> Methanol <input type="checkbox"/> Diesel <input type="checkbox"/> other ; if other use notes to describe test fuel									
xxHC Type: A202 <input type="checkbox"/> THC <input type="checkbox"/> NMHC <input type="checkbox"/> NMOG <input type="checkbox"/> other ; ; if other use notes to describe xxHC type									
Exhaust Emissions Type (units: g/mi)									
Air Pollutant	xxHC	NOx	CO	HCHO * (mg/mi)	PM	Highway NOx	Idle CO	CO ₂	Cold - CO
4K Certification level (50°F) optional	A203 x.xxx F(5.3)	A209 x.xx F(4.2)	A215 x.x F(3.1)	A221 xx I2	A227	A233	A239	A245	A251
4K Certification Standard (50°F) optional	A204 x.xxx F(5.3)	A210 x.xx F(4.2)	A216 x.x F(3.1)	A222 xx I2	A228	A234	A240	A246	A252
50K Certification Level	A205 x.xxx F(5.3)	A211 x.xx F(4.2)	A217 x.x F(3.1)	A223 xx I2	A229 x.xx F(4.2)	A235 x.xx F(4.2)	A241	A247	A253 xx.x F(4.1)
50K Certification Standards	A206 x.xxx F(5.3)	A212 x.xx F(4.2)	A218 x.x F(3.1)	A224 xx I2	A230 x.xx F(4.2)	A236 x.xx F(4.2)	A242	A248	A254 xx.x F(4.1)
UL Certification Level	A207 x.xxx F(5.3)	A213 x.xx F(4.2)	A219 x.x F(3.1)	A225 xx I2	A231 x.xx F(4.2)	A237 x.xx F(4.2)	A243	A249	A255
UL Certification Standards	A208 x.xxx F(5.3)	A214 x.xx F(4.2)	A220 x.x F(3.1)	A226 xx I2	A232 x.xx F(4.2)	A238 x.xx F(4.2)	A244	A250	A256
Model Year NMOG Fleet Average Value for PC and LDT (LVW<3751)				A260 x.xxx F(5.3)	Model Year NMOG Fleet Average Value for LDT (3751 LVW ~ 8500 GVW)				A263 x.xxx F(5.3)
Model Year NMOG Fleet Average Standard for PC and LDT (LVW<3751)				A261 x.xxx F(5.3)	Model Year NMOG Fleet Average Standard for LDT (3751 LVW ~ 8500 GVW)				A264 x.xxx F(5.3)
Exhaust Emissions Useful Life	CARB Years: A267 xx I (2)					CARB Mileage: A268 xxx,xxx / 16			
Applicant notes: CSI 2A2	A269 A1000 *optional certification level if with statement of compliance								

Certification Summary Information (CSI – continued)

CSI2A1: EPA - FTP Exhaust Emission Standards and Certification Levels

EPA FTP Exhaust Emission Standards and Certification Levels						
Add vehicle emission class for ftp	Exhaust Emissions Type (units: g/mi) : (up to six repeating field = up to six pollutant)					
Air Pollutant => mfr enter the emission name (pull down)	A100 Pollutant Drop down menu MTDS 11-13	Pollutant Drop down menu MTDS 11-13	Pollutant Drop down menu MTDS 11-13	Pollutant Drop down menu MTDS 11-13	Pollutant Drop down menu MTDS 11-13	Pollutant Drop down menu MTDS 11-13
50K Certification Level	A101 Drop down menu of all applicable Test Number For the selected pollutant auto fill this field (must calculate raw test result with rounding and DFs) Mfr will select all applicable test	Drop down menu of all applicable Test Number	Drop down menu of all applicable Test Number	Drop down menu of all applicable Test Number	Drop down menu of all applicable Test Number	Drop down menu of all applicable Test Number
50K Certification Standards	A102 Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.
UL Certification Level	A103 Same as 50K == above	Drop down menu of all applicable Test Number	Drop down menu of all applicable Test Number	Drop down menu of all applicable Test Number	Drop down menu of all applicable Test Number	Drop down menu of all applicable Test Number
UL Certification Standards	A104 Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.
Exhaust Emissions Useful Life	EPA Years: A105			EPA Mileage: A106		
Applicant notes: CSI 2A1	A107 A1000					

CSI2B1: EPA - SFTP Exhaust Emission Standards and Certification Levels

EPA SFTP Exhaust Emission Standards and Certification Levels								
Compliance Mileage	Exhaust Emissions Type (units: g/mi) : Check on adding weight class for compliance per LEV1 * Alternative Fueled Vehicle may report THC+NOx instead of NMHC+NOx							
Air Pollutant	US06				SC03			
	B100 NMHC + NOx	CO	PM	CO2	NMHC+NOx	CO	PM	CO2
4k Certification Level	B101 Drop down menu of all applicable Test Number For the selected pollutant auto fill this field (must calculate raw test result with rounding and DFs) Mfr will select all applicable test	Same as 4K NMHC+NOx	Same as 4K NMHC+NOx	Same as 4K NMHC+NOx	Drop down menu of all applicable Test Number For the selected pollutant auto fill this field (must calculate raw test result with rounding and DFs) Mfr will select all applicable test	Same as 4K NMHC+NOx	Same as 4K NMHC+NOx	Same as 4K NMHC+NOx
4k Emission Standards	B102 Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	
50k Certification Level	B103 Same as 4K == above	Same as 4K == above	Same as 4K == above	Same as 4K == above	Same as 4K == above	Same as 4K == above	Same as 4K == above	Same as 4K == above
50k Emission Standards	B104 Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	
UL Certification Level	B105 Same as 4K == above	Same as 4K == above	Same as 4K == above	Same as 4K == above	Same as 4K == above	Same as 4K == above	Same as 4K == above	Same as 4K == above
UL Emission Standards	B106 Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	
Applicant notes: CSI 2B1	B107 A1000							

CSI2B2: CARB - SFTP Exhaust Emission Standards and Certification Levels

CARB SFTP Exhaust Emission Standards and Certification Levels B200									
Compliance Mileage	Exhaust Emissions Type (units: g/mi) : Check on adding weight class for compliance per LEV1 <i>If FFV or Dual-fueled only report gasoline or diesel fuel test result</i>								
SFTP Test Cycle	US06			SC03			Composite =(0.35FTP+ 0.28US06+ 0.37SC03)		
Air Pollutant	NMHC + NOx	CO	PM	NMHC + NOx	CO	PM	NMHC + NOx	CO	PM
4k Certification Level	B201 x.xx F(4.2)	B208 xx.x F(4.1)	B215 x.xx F(4.2)	B221 x.xx F(4.2)	B228 x.x F(3.1)	B235 x.xx F(4.2)	B241 x.xx F(4.2)	B248 x.x F(3.1)	B255 x.xx F(4.2)
4k Emission Standards	B202 x.xx F(4.2)	B209 xx.x F(4.1)	B216 x.xx F(4.2)	B222 x.xx F(4.2)	B229 x.x F(3.1)	B236 x.xx F(4.2)	B242 x.xx F(4.2)	B249 x.x F(3.1)	B256 x.xx F(4.2)
50k Certification Level	B203 x.xx F(4.2)	B210 xx.x F(4.1)	B217 x.xx F(4.2)	B223 x.xx F(4.2)	B230 x.x F(3.1)	B237 x.xx F(4.2)	B243 x.xx F(4.2)	B250 x.x F(3.1)	B257 x.xx F(4.2)
50k Emission Standards	B204 x.xx F(4.2)	B211 xx.x F(4.1)	B218 x.xx F(4.2)	B224 x.xx F(4.2)	B231 x.x F(3.1)	B238 x.xx F(4.2)	B244 x.xx F(4.2)	B251 x.x F(3.1)	B258 x.xx F(4.2)
UL Certification Level	B205 x.xx F(4.2)	B212 xx.x F(4.1)	B219 x.xx F(4.2)	B225 x.xx F(4.2)	B232 x.x F(3.1)	B239 x.xx F(4.2)	B245 x.xx F(4.2)	B252 x.x F(3.1)	B259 x.xx F(4.2)
UL Emission Standards	B206 x.xx F(4.2)	B213 xx.x F(4.1)	B220 x.xx F(4.2)	B226 x.xx F(4.2)	B233 x.x F(3.1)	B240 x.xx F(4.2)	B246 x.xx F(4.2)	B253 x.x F(3.1)	B260 x.xx F(4.2)
Applicant notes: CSI 2B2	B261 A1000								

Certification Summary Information (CSI – continued)

CSI-2C: CARB Only – Greenhouse Gas Vehicle Emission Standards and Certification Levels

Reference GHG CERT Set number (1-n): C200 -- CARB internal only CARB Greenhouse Gas Vehicle Emission Standards and Certification Levels Set (1~n) REPEAT FIELDS C200-C239 (greenhouse vehicle group must be a sub-group of Exhaust Emission TG) Is there a need for naming convention											
Greenhouse Gas Vehicle Group Name: C201 A15	GHG Vehicle Emissions Type (units: g/mi) :										
Air Pollutant	Highway NOx Test CO2	“FTP Test” CO2	Highway NOx Test N2O* optional	FTP N2O* optional	Highway NOx Test CH4	FTP CH4	AC Allowance		CO ₂ - Equivalent		
							Direct	Indirect	Highway	City	Composite
4K Certification Level	C202 xxxx I4	C203 xxxx I4	C204 xxxx I4	C205 xxxx I4	C206 xxxx I4	C207 7 xxxx I4	C208 x.x F(3.1)	C209 x.x F(3.1)	C210 xxxx I4	C211 xxxx I4	C212 xxxx I4
Alt fuel fuel-adjustment factor	C215 x.xx F(4.2)	C216 x.xx F(4.2)	C217 x.xx F(4.2)	C218 x.xx F(4.2)	C219 x.xx F(4.2)	C220 0 x.xx F(4.2)					
Up-Steam Emission factor (electric and hydrogen vehicles only)	C225 xxx I3	C226 xxx I3	C227 xxx I3	C228 xxx I3	C229 xxx I3	C230 0 xxx I3					
Adjusted 4K Certification Level											C233 xxxx I4
Green House Gas Average Value for the Test Group	Model Year Green House Gas Fleet Average Value for PC and LDT (LVW<3751)				C235 xxx I3	Model Year Green House Gas Fleet Average Value for LDT (3751 LVW ~ 8500 GVW)				C237 xxx I3	
C234 xxxx I4	Model Year Green House Gas Fleet Average Standard for PC and LDT (LVW<3751)				C236 xxx I3	Model Year Green House Gas Fleet Average Standard for LDT (3751 LVW ~ 8500 GVW)				C238 xxx I3	
Applicant notes: CSI 2C	C239 A1000										

CSI2D: CARB-Only: Fuel Fire Heater (FFH) Exhaust Emission Standards and Certification Levels (optional)

Reference FFH CERT Set number (1-n): D200 -- CARB internal only CARB FFH Exhaust Emission Standards and Certification Levels (optional) REPEAT FIELDS D201-D212					
FFH Test Fuel Type D201 A1 1= Gasoline 2= CNG 3= LPG 4= Ethanol 5= Methanol 6= Diesel 7= other ; ; if OTHER, use CSI2D notes to describe other fuel	FFH Exhaust Emissions Type (units: g/mi)				
Air Pollutant	NMOG	CO	NOx	HCHO (unit in mg/mi)	PM
50K Certification Levels	D202 x.xxx F(5.3)	D204 x.x (3.1)	D206 x.xx F(4.2)	D208 xx I2	D210 x.xx F(4.2)
50K Emission Standards	D203 x.xxx F(5.3)	D205 x.x (3.1)	D207 x.xx F(4.2)	D209 xx I2	D211 x.xx F(4.2)
Applicant notes: CSI 2D	D212 A1000				

Certification Summary Information (CSI – continued)

CSI.2E1: EPA Evaporative Refueling Emission Standards and Certification Levels

Evaporative Refueling Emission Standards and Certification Levels: data set (1-n) REPEAT FIELDS E100-E111						
Evaporative refueling family name: E100			Primary key issue based on evap fam+EPA VC is unique			
Does this Evaporative refueling family have more than one type of vehicle class? E101 <input type="checkbox"/> Yes or <input type="checkbox"/> No if=yes, then must enter additional data set for each evaporative vehicle class with the same evaporative refueling family name	EPA Evaporative GVW Category: E102 <input type="checkbox"/> LDV, LLDT, HLDLT (< 30 gal fuel tank) <input type="checkbox"/> HLDLT (>= 30 gal fuel tank) <input type="checkbox"/> HDGV (<= 14000 GVWR) – CARB MDV <input type="checkbox"/> MDPV		Select the Fuel Type for this Evaporative Refueling Family: E103 A1 <input type="checkbox"/> G = Gasoline <input type="checkbox"/> D = Diesel <input type="checkbox"/> M = Methanol <input type="checkbox"/> E = Ethanol <input type="checkbox"/> C = Compressed Natural Gas <input type="checkbox"/> L = Liquefied Petroleum Gas <input type="checkbox"/> N= N/A <input type="checkbox"/> H = Hydrogen <input type="checkbox"/> O = Other			
Evaporative Pollutant Type: E104 <input type="checkbox"/> N = Organic Material Non-Methane Hydrocarbon Equivalent (OMNMHCE) <input type="checkbox"/> O = Organic Material Hydrocarbon Equivalent (OMHCE) <input type="checkbox"/> T = Total Hydrocarbons (THC)						
Pull-down for EPA on individual pollutant INNER REPEATING FIELDS E105-E107	Evaporative Emissions (g / test)			ORVR		SPITBACK Pollutant Drop down menu MTDS 11-13
	E105 Pollutant Drop down menu MTDS 11-13	Pollutant Drop down menu MTDS 11-13	Pollutant Drop down menu MTDS 11-13	Pollutant Drop down menu MTDS 11-13	Pollutant Drop down menu MTDS 11-13	Drop down menu of all applicable Test Number For the selected pollutant auto fill this field (must calculate raw test result with rounding and DFs) Mfr will select all applicable test
Certification Level	E106 Drop down menu of all applicable Test Number For the selected pollutant auto fill this field (must calculate raw test result with rounding and DFs) Mfr will select all applicable test	Drop down menu of all applicable Test Number For the selected pollutant auto fill this field (must calculate raw test result with rounding and DFs) Mfr will select all applicable test	Drop down menu of all applicable Test Number For the selected pollutant auto fill this field (must calculate raw test result with rounding and DFs) Mfr will select all applicable test	Drop down menu of all applicable Test Number For the selected pollutant auto fill this field (must calculate raw test result with rounding and DFs) Mfr will select all applicable test	Drop down menu of all applicable Test Number For the selected pollutant auto fill this field (must calculate raw test result with rounding and DFs) Mfr will select all applicable test	Drop down menu of all applicable Test Number For the selected pollutant auto fill this field (must calculate raw test result with rounding and DFs) Mfr will select all applicable test
Emission Standards	E107 Fill-in by Mfr	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.	Fill-in by Mfr.
EPA Useful-Life period	E108			E112 Fill-in by Mfr.		
ICI or Old 50-K Evaporative Emission	Certification Level			Emission Standards		
	E109 Drop down menu of all applicable Test Number For the selected pollutant auto fill this field (must calculate raw test result with rounding and DFs) Mfr will select all applicable test			E110 Fill-in by Mfr		
Applicant notes: CSI 2E1	E111 A1000					

Certification Summary Information (CSI – continued)

CSI.2E2: CARB Evaporative Refueling Emission Standards and Certification Levels

CARB Evaporative Refueling Emission Standards and Certification Levels: data set (1-n) REPEAT FIELDS E200-E232 Reference EVAP CERT Set number (1-n): E200 -- CARB internal only								
Evaporative refueling family name: E201								
Does this Evaporative refueling family have more than one type of vehicle class? E202 <input type="checkbox"/> Yes or <input type="checkbox"/> No if=yes, then must enter additional data set for each evaporative vehicle class with the same evaporative refueling family name				CARB Vehicle Class Evaporative Emission Standard: E203 <input type="checkbox"/> 1=Passenger Car <input type="checkbox"/> 2=Light-Duty Truck (GVWR= 0-6000 pounds) <input type="checkbox"/> 3=Light-Duty Truck (GVWR= 6001-8500 pounds) <input type="checkbox"/> 4=Medium-Duty Vehicle (8501 < GVWR < 14000)				
Select the Fuel Type for this Evaporative Refueling Family: E204 A1 <input type="checkbox"/> G = Gasoline <input type="checkbox"/> D = Diesel <input type="checkbox"/> M = Methanol <input type="checkbox"/> E = Ethanol <input type="checkbox"/> C = Compressed Natural Gas <input type="checkbox"/> L = Liquefied Petroleum Gas <input type="checkbox"/> N= N/A <input type="checkbox"/> H = Hydrogen <input type="checkbox"/> O = Other				Evaporative Pollutant Type: E205 A1 <input type="checkbox"/> N = Organic Material Non-Methane Hydrocarbon Equivalent (OMNMHCE) <input type="checkbox"/> O = Organic Material Hydrocarbon Equivalent (OMHCE) <input type="checkbox"/> T = Total Hydrocarbons (THC)				
Pull-down for EPA on individual pollutant	Evaporative Emissions (g / test)			PZEV Fuel-Only Evaporative Emissions (g / test)		ORVR		Spit Back (g / test)
	3-Days + Hot Soak	2-Days + Hot Soak	Running Loss	3-Days + Hot Soak	2-Days + Hot Soak	Gasoline	other	
Certification Level	E210 x.xx F(4.2)	E212 x.xx F(4.2)	E214 x.xx F(4.2)	E220 x.xx F(4.2)	E222 x.xx F(4.2)	E225 x.xx F(4.2)	E227 x.xx F(4.2)	
Emission Standards	E211 x.xx F(4.2)	E213 x.xx F(4.2)	E215 x.xx F(4.2)	E221 x.xx F(4.2)	E223 x.xx F(4.2)	E226 x.xx F(4.2)	E228 x.xx F(4.2)	
CARB Useful-Life period (Years)	E230 Xx I (2)					E231 Xx I (2)		
CARB Useful-Life period (Miles)	E232 Xxxxxx I6					E233 Xxxxxx I6		
Applicant notes: CSI 2E2	E234 A1000							

Certification Summary Information (CSI – continued)

CSI.3 Exhaust Emission Test Group Description

Vehicle Fuel Category in the Test Group 301 get data from CSII field 123 <input type="checkbox"/> SF = Single Fuel vehicle (including Hydrogen) <input type="checkbox"/> FF = Flex-fuel vehicle (FFV) <input type="checkbox"/> DF = Dual-fuel vehicle, must fill out fuel metering #2 <input type="checkbox"/> BF = Bi-fuel vehicle, must fill out fuel metering #2 <input type="checkbox"/> HV = Hybrid Electric Vehicle if =DF or BF then fields 303 and 306 are required	Test Group Operating Fuel Type 1? 302 <input type="checkbox"/> G = Gasoline <input type="checkbox"/> D = Diesel <input type="checkbox"/> M = Methanol <input type="checkbox"/> E = Ethanol <input type="checkbox"/> C = Compressed Natural Gas <input type="checkbox"/> L = Liquefied Petroleum Gas <input type="checkbox"/> H = Hydrogen <input type="checkbox"/> E = Electric <input type="checkbox"/> O = Other; if =other describe in notes	Test Group Operating Fuel Type2? 303 <input type="checkbox"/> G = Gasoline <input type="checkbox"/> D = Diesel <input type="checkbox"/> M = Methanol <input type="checkbox"/> E = Ethanol <input type="checkbox"/> C = Compressed Natural Gas <input type="checkbox"/> L = Liquefied Petroleum Gas <input type="checkbox"/> H = Hydrogen <input type="checkbox"/> E = Electric <input type="checkbox"/> N = Not Applicable <input type="checkbox"/> O = Other; if =other describe in notes										
Test Group Fuel metering device 1: 304 <input type="checkbox"/> 18 = Common Rail Diesel Injection <input type="checkbox"/> 7 = MFI <input type="checkbox"/> 8 = SFI <input type="checkbox"/> 14 = CNG Mixer <input type="checkbox"/> 16 = GDI <input type="checkbox"/> 21 = DDI <input type="checkbox"/> 17 = LP Mixer <input type="checkbox"/> 22 = Gaseous Fuel Injection <input type="checkbox"/> 99 = Other <input type="checkbox"/> IDI <input type="checkbox"/> GDI <input type="checkbox"/> TBI <input type="checkbox"/> CARB If Other Fuel Metering device: 305	Test Group Fuel metering device 2: 306 <input type="checkbox"/> 18 = Common Rail Diesel Injection <input type="checkbox"/> 7 = MFI <input type="checkbox"/> 8 = SFI <input type="checkbox"/> 14 = CNG Mixer <input type="checkbox"/> 16 = GDI <input type="checkbox"/> 21 = DDI <input type="checkbox"/> 17 = LP Mixer <input type="checkbox"/> 22 = Gaseous Fuel Injection <input type="checkbox"/> 99 = Other <input type="checkbox"/> IDI <input type="checkbox"/> GDI <input type="checkbox"/> TBI <input type="checkbox"/> CARB If Other Fuel Metering device: 307											
Engine Location (relation to the front of the Vehicle): 329 A1 <input type="checkbox"/> F=Front Engine <input type="checkbox"/> M=Mid-Engine <input type="checkbox"/> R=Rear Engine												
Combustion Cycle? 308 <input type="checkbox"/> O <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> W <input type="checkbox"/> T <input type="checkbox"/> A=other Combustion Cycle if other: 309	Cylinder/Block Arrangement? 310 <input type="checkbox"/> W <input type="checkbox"/> I <input type="checkbox"/> V <input type="checkbox"/> R <input type="checkbox"/> H <input type="checkbox"/> O Cylinder/Block Arrangement if other: 311	Engine type Code: 312 <input type="checkbox"/> 01 = Otto SI <input type="checkbox"/> 02 = Stratified Charged <input type="checkbox"/> 03 = CI <input type="checkbox"/> 04 = Gas Turbine <input type="checkbox"/> 05 = Wankel <input type="checkbox"/> 06 = Stirling <input type="checkbox"/> 99 = Other <input type="checkbox"/> E = Electric										
Number of Cylinders: (1-16) 313	Valve Timing Type: 314 <input type="checkbox"/> VVT <input type="checkbox"/> Static <input type="checkbox"/> Solenoid VVT	TG contains multiple engine displacements? 315 <input type="checkbox"/> Yes <input type="checkbox"/> No										
Number of Valves per cylinder the same within the Test Group: 323 <input type="checkbox"/> Yes <input type="checkbox"/> No if yes, then 325 is repeating	Valves per Cylinder: 325	Total number of different engine displacement in the TG: 316 if field 316 > 1 then allow fields 318-320 ; else if field 316=1 then grey out fields 318-320										
Engine Cooling Media? 326 <input type="checkbox"/> Liquid <input type="checkbox"/> Air <input type="checkbox"/> Other	Cooling Media if other: 327	Display only first 5 Engine displacement(s) (unit in liters): <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">Displacement 1</th> <th style="width: 15%;">Displacement 2</th> <th style="width: 15%;">Displace 3</th> <th style="width: 15%;">Displace 4</th> <th style="width: 15%;">Displace 5</th> </tr> </thead> <tbody> <tr> <td>318 xx.xxx F(6.3)</td> <td>319 xx.xxx F(6.3)</td> <td>320 xx.xxx F(6.3)</td> <td>321 xx.xxx F(6.3)</td> <td>322 xx.xxx F(6.3)</td> </tr> </tbody> </table>	Displacement 1	Displacement 2	Displace 3	Displace 4	Displace 5	318 xx.xxx F(6.3)	319 xx.xxx F(6.3)	320 xx.xxx F(6.3)	321 xx.xxx F(6.3)	322 xx.xxx F(6.3)
Displacement 1	Displacement 2	Displace 3	Displace 4	Displace 5								
318 xx.xxx F(6.3)	319 xx.xxx F(6.3)	320 xx.xxx F(6.3)	321 xx.xxx F(6.3)	322 xx.xxx F(6.3)								
New Technology: 324 <input type="checkbox"/> Yes or <input type="checkbox"/> No if yes explain → Technology explanation: 328 A 1000												
Applicant notes CSI 3: 317 A1000												

Certification Summary Information (CSI – continued)

CSI.3B CARB-Only Green House Gas Vehicle Group Description

Green House Gas Vehicle Group: Reference GHG Set number (1-n): 330 -- CARB internal only Test Group Name: 331 A12 (transfer data from Field 104, CSI-1) (outer Set 1-n) REPEAT FIELDS 330-350		
GHG compliant Test Group: 351		
GHG Vehicle Name: 332 A15 Data transfer from field 302	Drive System: 336 A1 <input type="checkbox"/> F=FWD <input type="checkbox"/> R=RWD <input type="checkbox"/> 4=4WD <input type="checkbox"/> P=Pt-4WD <input type="checkbox"/> A=AWD	Location of Cam Shaft: 340 A1 <input type="checkbox"/> O = overhead <input type="checkbox"/> S= side
GHG Vehicle Fuel Type (based on the worst case)? 333 A1 If field 303=N, then transfer Data from field 302 ; else display both field values from 302 and 303 for selection	Type of Over-Drive: 337 <input type="checkbox"/> Final gear ratio < 1.00 <input type="checkbox"/> Other ; if other: <input type="checkbox"/> Separate over-drive unit	Valve Train Configuration: 341 A1 <input type="checkbox"/> S=single <input type="checkbox"/> D=dual <input type="checkbox"/> C=Coupled <input type="checkbox"/> T=Triple
Transmission Type: 334 A1 <input type="checkbox"/> A = Auto <input type="checkbox"/> M =Manual <input type="checkbox"/> S = Semi Auto <input type="checkbox"/> C = Continuous Variable <input type="checkbox"/> N= NA	Torque Converter: 338 A1 <input type="checkbox"/> N=Non-lockup <input type="checkbox"/> L=Lockup <input type="checkbox"/> N=None	Method of Aspiration: 342 A1 <input type="checkbox"/> T=TC <input type="checkbox"/> S=SC <input type="checkbox"/> N=Natural
Transmission forward gears (1-9): 335 x / I 1	Number of Camshaft: 339 I (1)	Inertia weight class (reference CFR Table per 250 pounds increments): 343 I4
Air Conditioner Compressor Type? 344 A1 <input type="checkbox"/> F=Fixed Displacement <input type="checkbox"/> V=Variable Displacement <input type="checkbox"/> N= None		Air Conditioner Refrigerant Type: 345 A1 <input type="checkbox"/> 1=HFC-134a <input type="checkbox"/> 2=HFC-152a <input type="checkbox"/> 3=CO2 <input type="checkbox"/> 4= NA <input type="checkbox"/> Other; if other, describe in notes
Green House Gas Vehicle Models: 346(Inner Set 1-n) REPEAT FIELDS Pair of Inner repeating group (347, 348)		
Make 347 A65	Model 348 A65	
Greenhouse Gas Vehicle Test Group notes: 349 A256		
Applicant notes CSI 3B: 350 A1000		

Character 1 = Transmission Type →334

A = Auto M =Manual S= Semi Auto C = Continuous Variable T = Automated Manual N = not applicable

Character 2 = Transmission Forward Gear →335

Use number 1 through 9 for the number of forward gears in the transmission

Character 3 = Drive System Type →336

F= FWD R= RWD 4= 4WD P= Pt-4WD A = AWD

Character 4 = Torque Converter Type →338

N=Non-lockup L=Lockup N=None

Character 5 = Method of Aspiration →342

T=TC S=SC N=Natural

Character 6 = Number of Camshaft →339

Use number 1 through 9 for the number of camshaft

Character 7 = Camshaft Location →340

O = overhead S = side

Character 8 = Valve Train Configuration →341

S=single D=dual C=Coupled T=Triple

Character 9 = Fuel Type → 333

G = Gasoline ; D = Diesel ; M = Methanol ; E = Ethanol ; CNG = Compressed Natural Gas ; LPG = Liquefied Petroleum Gas ; H = Hydrogen ; E = Electric ; N = Not Applicable

Characters 10 ~13 = Inertia Weight →343

Enter the Inertia weight class for this GHG test group

Character 14 = Air Conditioner type →344

F=Fixed Displacement V=Variable Displacement N= Not Applicable

Character 15 = Air Conditioner Refrigerant type →345

1=HFC-134a 2=HFC-152a 3=CO2 4= NA Other;

Certification Summary Information (CSI – continued)

CSI 4: Exhaust Emission Control System (ECS) Information (use SAE J1930 nomenclature)

Exhaust ECS (Set 1~n) REPEAT FIELDS 398-461		
Reference ECS Set number (1-n): 398 -- CARB internal only	ECS_EO Name(J1930): 399 – Reserved for CARB Internal Only	
After-Treatment Device Information Section (Catalyst, SCR, DPF, De-NOx)		
Total Number of Physical Container(s) of After-Treatment Device(s) (1-n): 400 if 400 > 1 then repeat fields 401-410 ;(do inner repeating data set n loops for field 400's value = n) (check sum of field 401 = n of field 400)		
ATD number (from the front of the vehicle, beginning with the first ATD closest to the exhaust manifold)? 401	Distance from the Exhaust Manifold to the (unit inches): 402 F(5.1)	Location of ATD in relation to the vehicle: <input type="checkbox"/> L= driver/left side <input type="checkbox"/> R=Passenger/right side <input type="checkbox"/> M=Middle of Vehicle
After-treatment Type: 403 <input type="checkbox"/> TWC <input type="checkbox"/> OC <input type="checkbox"/> HC-Adsorber <input type="checkbox"/> TWC+OC <input type="checkbox"/> DPF <input type="checkbox"/> SCR <input type="checkbox"/> NOx-Adsorber <input type="checkbox"/> Other ; if other, explain in After-treatment Note 421		After-Treatment Configuration Type 404 <input type="checkbox"/> I=Single <input type="checkbox"/> P=Parallel <input type="checkbox"/> S=Series <input type="checkbox"/> B=Both
After-treatment Precious Metal Material: 406 A5 <input type="checkbox"/> Pt <input type="checkbox"/> Pl <input type="checkbox"/> Rh <input type="checkbox"/> Pt + Pl <input type="checkbox"/> Pt + Rh <input type="checkbox"/> Pl + Rh <input type="checkbox"/> Other ; if other, explain in After-treatment Note 421		Super Insulated After-treatment: 405 <input type="checkbox"/> Yes <input type="checkbox"/> No
Heated after-treatment? 407 <input type="checkbox"/> Yes <input type="checkbox"/> No	Substrate material? 408 <input type="checkbox"/> Metal <input type="checkbox"/> Ceramic	Substrate construction? 409 <input type="checkbox"/> Monolith <input type="checkbox"/> Other if other , use notes
After-treatment Note: 421		
Sensor Information Section		
Number of Air/Fuel feedback sensor (1-9): 425 if 430 > 1 then repeat; (do check sum of field → next three for correct summation of total number of sensors = value entered)		
Number of Sensors in the first row (closest to the exhaust manifold/engine)? 426	Number of Sensors in the middle row(s)? 431	Number of Sensors in the Last Row? 436
Air/Fuel Feedback Sensor Type? 427 <input type="checkbox"/> O2S <input type="checkbox"/> HO2S <input type="checkbox"/> AFS <input type="checkbox"/> HAFS <input type="checkbox"/> NOx <input type="checkbox"/> Other		
Air/Fuel Feedback Sensor Configuration? 428 <input type="checkbox"/> Single <input type="checkbox"/> Parallel <input type="checkbox"/> Series <input type="checkbox"/> Both (combination of single, parallel, series)		Air/Fuel Feedback Sensor Type if other: 429
Knock (Detonation) Sensor: 440 <input type="checkbox"/> Yes <input type="checkbox"/> No, if =Yes then → required		Number of Knock Sensor: 441
Exhaust Gas Recirculation (EGR)? 442 <input type="checkbox"/> Yes or <input type="checkbox"/> No		Cooled Exhaust Gas Recirculation (cooled-EGR)? 443 <input type="checkbox"/> Yes or <input type="checkbox"/> No
EGR Type: 444 <input type="checkbox"/> Internal <input type="checkbox"/> Electronic <input type="checkbox"/> Vacuum <input type="checkbox"/> Other ; if =other, then →		EGR if Other, 445
Vehicle Fuel Options 301 get data from CSII field 123 <input type="checkbox"/> SF = Single Fuel vehicle (including Hydrogen) <input type="checkbox"/> FF = Flex-fuel vehicle (FFV) <input type="checkbox"/> DF = Dual-fuel vehicle, must fill out fuel metering #2 <input type="checkbox"/> BF = Bi-fuel vehicle, must fill out fuel metering #2 if =DF or BF then fields 303 and 306 are required	Vehicle Operating Fuel Type? 302 <input type="checkbox"/> G = Gasoline <input type="checkbox"/> D = Diesel <input type="checkbox"/> M = Methanol <input type="checkbox"/> E = Ethanol <input type="checkbox"/> C = Compressed Natural Gas <input type="checkbox"/> L = Liquefied Petroleum Gas <input type="checkbox"/> H = Hydrogen <input type="checkbox"/> E = Electric <input type="checkbox"/> O = Other; if =other describe in notes	Vehicle Operating Fuel Type? 303 <input type="checkbox"/> G = Gasoline <input type="checkbox"/> D = Diesel <input type="checkbox"/> M = Methanol <input type="checkbox"/> E = Ethanol <input type="checkbox"/> C = Compressed Natural Gas <input type="checkbox"/> L = Liquefied Petroleum Gas <input type="checkbox"/> H = Hydrogen <input type="checkbox"/> E = Electric <input type="checkbox"/> N = Not Applicable <input type="checkbox"/> O = Other; if =other describe in notes
Fuel metering device 1: 304 <input type="checkbox"/> 18 = Common Rail Diesel Injection <input type="checkbox"/> 7 = MFI <input type="checkbox"/> 8 = SFI <input type="checkbox"/> 14 = CNG Mixer <input type="checkbox"/> 16 = GDI <input type="checkbox"/> 21 = DDI <input type="checkbox"/> 17 = LP Mixer <input type="checkbox"/> 22 = Gaseous Fuel Injection <input type="checkbox"/> 99 = Other <input type="checkbox"/> IDI <input type="checkbox"/> GDI <input type="checkbox"/> TBI <input type="checkbox"/> CARB If Other Fuel Metering device: 305		Fuel metering device 2: 306 <input type="checkbox"/> 18 = Common Rail Diesel Injection <input type="checkbox"/> 7 = MFI <input type="checkbox"/> 8 = SFI <input type="checkbox"/> 14 = CNG Mixer <input type="checkbox"/> 16 = GDI <input type="checkbox"/> 21 = DDI <input type="checkbox"/> 17 = LP Mixer <input type="checkbox"/> 22 = Gaseous Fuel Injection <input type="checkbox"/> 99 = Other <input type="checkbox"/> IDI <input type="checkbox"/> GDI <input type="checkbox"/> TBI <input type="checkbox"/> CARB If Other Fuel Metering device: 307
Electronic Controls? 448 <input type="checkbox"/> PCM <input type="checkbox"/> ECM <input type="checkbox"/> Other check EPA to delete		Electronic Control if Other? 449
Method of Air Aspiration in the TG? 450 <input type="checkbox"/> NA <input type="checkbox"/> TC <input type="checkbox"/> SC <input type="checkbox"/> Other If TC or SC then next two fields (451, 452) are required; if =other, then →		Method of Air Aspiration if other: 453
Number of Air Aspiration devices? 451		Air Aspiration configuration? 452 <input type="checkbox"/> Single <input type="checkbox"/> Parallel <input type="checkbox"/> Series <input type="checkbox"/> Both
Charge Air Cooler type? 455 <input type="checkbox"/> AIR <input type="checkbox"/> Liquid <input type="checkbox"/> N/A		Closed Loop Air Injection System: 456 <input type="checkbox"/> Yes or <input type="checkbox"/> No
Air Injection? 457 <input type="checkbox"/> AIR <input type="checkbox"/> PAIR <input type="checkbox"/> N/A <input type="checkbox"/> Other, if =other, then →		Air Injection if other: 458
DOR Device: 459 <input type="checkbox"/> Catalytic Radiator <input type="checkbox"/> Other, if =other, then →		If Other DOR: 460
Applicant notes CSI 4:	461 A1000	

Certification Summary Information (CSI – continued)

CSI-5A Exhaust Emission: Emission Data Vehicle (EDV) and Emissions Test Data

Exhaust Emission Test Group Data (Set 1~n Outer repeating fields A500~A562 and field 580)		
Reference exhaust EDV Set number (1~n): A500 CARB internal only –this as numeric field	Emission Data Vehicle Information Section	
Model Year (auto fill from CSI): A501	Test Group Name: A502 A12	Durability Group Name (12 digits): A503 transfer data from Ixx A12
EDV Division Code: A504 A??	EDV Model Code: A505 A??	EDV Model Name: A506 A35
Exhaust EDV Test Vehicle ID : A507 A25	EDV Configuration: (1~99) A508 I 2	Evaporative Refueling Family Name: A509 A12
Test Data Type: A510 <input type="checkbox"/> NEW <input type="checkbox"/> C/O <input type="checkbox"/> C/A C/O or C/A from TG: A511 A12	Running Change Number Text: A512 A11	EDV Engine Code: A513 A25
Green House Gas Vehicle Test Group Name: A514 A16	Is this EDV the worst-case green house gas emission test vehicle for this exhaust emission test group: A515 <input type="checkbox"/> Yes <input type="checkbox"/> No ,	N2O Factor: (measured or Fix value from Regs) A516 X.XXX / F(5.3)
EDV Displacement (liters): A517 xx.xxx / F(6.3)	Cylinder (Block) Arrangement: A518 <input type="checkbox"/> W <input type="checkbox"/> I <input type="checkbox"/> V <input type="checkbox"/> R <input type="checkbox"/> H <input type="checkbox"/> O	Number of Cylinders: A519 xx / I2
Valves per cylinder[2~7]: A520 x / I1	EDV Drive System: A521 <input type="checkbox"/> F=FWD <input type="checkbox"/> R=RWD <input type="checkbox"/> 4=4WD <input type="checkbox"/> P=Pt-4WD <input type="checkbox"/> A=AWD	N/V Ratio: A522 xx.x F(4.1)
ALVW (Lb): A523 xxxxx / I5	ETW of EDV (Lb): A524 xxxxx / I5	Loaded Vehicle Weight (Lb): A525 xxxxx / I5
Emission Control System (enter the ECS set from CSI 4 on drop down) : A526 A1	EDV/E Rated Power (hp): A527 xxx.x / F(5.1)	Rated Power @ Rated Speed (rpm) : A528 xxxxx / I4
Using NMOG / NMHC ratio for NMOG level: A529 <input type="checkbox"/> Yes <input type="checkbox"/> No, if yes then fill out FIELD A530 ➔	Ratio of NMOG / NMHC: A530	Transmission Type: A531 <input type="checkbox"/> A = Auto <input type="checkbox"/> M =Manual <input type="checkbox"/> S = Semi Auto <input type="checkbox"/> C = Continuous Variable <input type="checkbox"/> N= NA
Transmission Lockup: A532 <input type="checkbox"/> Yes <input type="checkbox"/> No, if A or SA or CV	Transmission Creeper: A533 <input type="checkbox"/> Yes <input type="checkbox"/> No if M	Number of Transmission Gears: A534 I 2
EDV Front Tire Size: A535 A16	In-Use Front Tire Pressure (psi): A536 xx.x F(4.1)	Tire Mfr.: A537 A35
EDV Rear Tire Size: A538 A16	In-Use Rear Tire Pressure (psi): A539 xx.x F(4.1)	Sales Area Code: A540 A2 EPA Drop Menu
A Target Coefficient: A541 x.xx / F(4.2)	B Target Coefficient: A542 x.xx / F(4.2)	C Target Coefficient: A543 x.xx / F(4.2)
A Set Coefficient: A544 x.xx / F(4.2)	B Set Coefficient: A545 x.xx / F(4.2)	C Set Coefficient: A546 x.xx / F(4.2)
Road Load Horsepower (RLHP): A547 xx.xx / F(5.2)	Axle Ratio: A550 x.xx F(4.2)	EDV Coast Down Time(s): A551 xx.xx F(5.2)
Odometer Reading: A552 xxxxxxx.x F(9.1)	Odometer Unit: A553 <input type="checkbox"/> mile <input type="checkbox"/> kilometer	Odometer Correction Initial: A554 xxxxxxx.x F(9.1)
Odometer Correction Factor: A555 x.xxx F(6.4)	Odometer Correction Sign: A556 <input type="checkbox"/> + <input type="checkbox"/> -	Odometer Correction Unit: A557 <input type="checkbox"/> mile <input type="checkbox"/> kilometer
EPA Vehicle Purpose Code: A558 <input type="checkbox"/> 1= cert <input type="checkbox"/> 3= cert Fuel economy <input type="checkbox"/> 5= cert development <input type="checkbox"/> 22= ICI Certification	EDV (Vehicle) Fuel Options: A559 <input type="checkbox"/> single fuel <input type="checkbox"/> bi-fuel , if YES, must fill out fuel metering #2 <input type="checkbox"/> dual fuel , if YES, must fill out fuel metering #2 <input type="checkbox"/> fuel flexible (if not single fuel then allow A560 to repeat AGAIN FOR THE SECONF FUEL TYPE AND EMISSION RESULTS)	Emission Standards Fuel Code: A560 <input type="checkbox"/> G = Gasoline <input type="checkbox"/> D = Diesel <input type="checkbox"/> M = Methanol <input type="checkbox"/> E = Ethanol <input type="checkbox"/> CNG = Compressed Natural Gas <input type="checkbox"/> LPG = Liquefied Petroleum Gas <input type="checkbox"/> H = Hydrogen <input type="checkbox"/> E = Electric <input type="checkbox"/> O = Other
Engine Type Code = (Engine type Code: 312): A561 A2 <input type="checkbox"/> 01 = Otto SI <input type="checkbox"/> 02 = Stratified Charged <input type="checkbox"/> 03 = CI <input type="checkbox"/> 04 = Gas Turbine <input type="checkbox"/> 05 = Wankel <input type="checkbox"/> 06 = Stirling <input type="checkbox"/> 99 = Other <input type="checkbox"/> E = Electric	DF derivations: A562 <input type="checkbox"/> 1 = AMA full mileage <input type="checkbox"/> 5 = ASADP/full mileage <input type="checkbox"/> 6 = ASADP/Bench <input type="checkbox"/> 7 = Mfr. Assigned <input type="checkbox"/> 8 = EPA Assigned <input type="checkbox"/> 9 = LDT Self approved <input type="checkbox"/> A = Aged component installed on the EDV <input type="checkbox"/> B = Bi-Fuel, two separate DF types	

CSI-5A-Continued=====EPA Test Data Section : Individual Test Parameters and Emissions Results per test vehicle (inner repeating fields A563~A597 and fields 501~506)		
<p>Test Number : A563 I(10)Unique ID number needed for global application of complete database (internal use for calculation) Note: EPA shall supply a valid EPA test number in the Add Transaction. 0000000 - 9999999 Valid test number format.</p>	<p>Exhaust Test Date: A564 Date Valid calendar date. (MMDDYYYY)</p>	
<p>EPA Test for: A566 A1 <input type="checkbox"/> 1 = Certification <input type="checkbox"/> 2 = Running Change <input type="checkbox"/> 3 = EPA Confirmatory Test <input type="checkbox"/> 4 = CARB Confirmatory Test</p>	<p>Odometer Reading: A567 xxxxxxx.x F(9.1)</p>	<p>Odometer Unit: A568 <input type="checkbox"/> mile <input type="checkbox"/> kilometer</p>
<p>Test Purpose: A569 A2 01 - Emission Data 02 - Durability (Obsolete) 08 - Manufacturers' Development 26 - Independent Commercial Importer 31 - Fuel Economy 32 - Analytical Fuel Economy 33 - Certification and/or Fuel Economy for other years (Carry Over)</p>	<p>VI Fuel Type: A570 - MTDS6=VII7 A2 06 - Unleaded (at EPA 96 RON) 09 - Diesel (at EPA #2 Diesel) 17 - Leaded (at EPA Ind 15) 22 - Special Unleaded 91 RON (for Defeat Device Testing only) Ref. VPCD-97-01 23 - Carb Phase II Gasoline (CERT) 24 - Cold CO Regular (Cert) 25 - Cold CO Premium (Cert) 26 - Cold CO Regular (Tier 2) 27 - Cold CO Premium (Tier 2) 31 - Methanol (Cert M10) 33 - Methanol (Cert M85) 37 - E10 (10% Ethanol 90% EPA Unleaded Gasoline) 38 - E85 (85% Ethanol 15% EPA Unleaded Gasoline) 39 - Ethanol (Reserved for CERT - not CFEIS) 40 - Hydrogen (Reserved for CERT - not CFEIS) 41 - CNG (CERT) 42 - LPG (reserved for CERT) (Not CFEIS) 43 - E10 (10% Ethanol 90% CAL Phase II Gasoline) 44 - E85 (85% Ethanol 15% CAL Phase II Gasoline) 61 - Tier 2 Unleaded (at EPA - 96 RON and 15-45 ppm Sulfur)</p>	<p>Test Type: A571 (MTDS test procedure code) A2 02 - CVS 75 - Later (EPA city test w/o canister loading) 03 - HWFE (Highway test) 10 - Idle CO 11 - Cold CO 15 - Spitback Test 21 - Federal Fuel 2-day Exhaust (w/can load) 23 - Federal Fuel 2-day Evaporative Test 24 - Federal Fuel Refueling Test (ORVR) 25 - Calif Fuel 2-day Exhaust (w/can load) 27 - Calif Fuel 2-day Evaporative Test 31 - Federal Fuel 3-day Exhaust 34 - Federal Fuel 3-day Evaporative Test 35 - Calif Fuel 3-day Exhaust 38 - Calif Fuel 3-day Evaporative Test 41 - Federal Fuel 2-day exhaust (heat fuel tank to load canister) 43 - Federal Fuel 2-day Evaporative Test (heat fuel tank to load canister) 44 - Federal Fuel Refueling Test (ORVR) (heat fuel tank to load canister) 45 - Calif Fuel 2-day Exhaust (heat fuel tank to load canister) 51 - Calif Fuel 50°F Exhaust Test 52 - Federal Fuel 50°F Exhaust Test 71 - CST -Idle Test (EPA Only) 72 - CST - Two Speed Idle Test 73 - CST -Loaded Test (EPA Only) 74 - CST - Preconditioned Idle Test (EPA only) 76 - CST- Preconditioned Two Speed Idle Test (EPA Only) 90 - US06 93 - Calif Fuel - Special 95° Exhaust Test (EPA Only) 94 - Calif Fuel - Special 115° Evaporative Test (EPA Only) 95 - SC03 96 - SC03 (AC1) 97 - SC03 (AC2)</p>

Shift ID (VI-17): A572 See dat Req (A4) <i>Note:</i> This field may not be altered once EPA tests have been conducted using this specification. This information must be entered for TEST PROCEDURE CODES 02, 03, 11, 21, 25, 31, 35, 41, 45, 51, 52 and 90. Valid SHIFT SCHEDULE ID <table border="1"> <thead> <tr> <th>Transmission Configuration</th> <th>EPA Standard Shift Schedule Id No.</th> </tr> </thead> <tbody> <tr><td>0 (C-4)</td><td>FT3 (City) HW3 (Hwy)</td></tr> <tr><td>2 (M-3)</td><td>FT3 (City) HW3 (Hwy)</td></tr> <tr><td>3 (M-4)</td><td>FT4 (City) HW4 (Hwy)</td></tr> <tr><td>4 (M-5)</td><td>FT5 (City) HW5 (Hwy)</td></tr> <tr><td>10 (C-5)</td><td>FT4 (City) HW4 (Hwy)</td></tr> <tr><td>20 (M-6)</td><td>FT6 (City) HW6 (Hwy)</td></tr> <tr><td>0, 2, 3, 4, 10, 20 w/SIL FTS (City)</td><td>HWS (Hwy) (C or M designator)</td></tr> <tr><td>6, 7, 8, 9, 21, 22 FTA (City)</td><td>HWA (Hwy) (Automatic)</td></tr> </tbody> </table> New EPA standard shift schedule ID applicable to SFTP for automatic transmissions: US6A - for US06 (No standard SFTP shift schedules are available for manual transmissions.)		Transmission Configuration	EPA Standard Shift Schedule Id No.	0 (C-4)	FT3 (City) HW3 (Hwy)	2 (M-3)	FT3 (City) HW3 (Hwy)	3 (M-4)	FT4 (City) HW4 (Hwy)	4 (M-5)	FT5 (City) HW5 (Hwy)	10 (C-5)	FT4 (City) HW4 (Hwy)	20 (M-6)	FT6 (City) HW6 (Hwy)	0, 2, 3, 4, 10, 20 w/SIL FTS (City)	HWS (Hwy) (C or M designator)	6, 7, 8, 9, 21, 22 FTA (City)	HWA (Hwy) (Automatic)	Database Code (VI-17): A573 A1 <i>Note:</i> The value must be entered if this is a Certification or Fuel Economy vehicle. This field may not be altered once EPA tests have been conducted using this specification. This information must be entered for each combination of TEST PROCEDURE CODE and VI FUEL TYPE CODE. A - Manufacturers (for Cert) B - EPA VPCD (prev. CD) C - EPA TSD (prev. EOD) D - EPA MOD E - EPA FED (prev. FOSD) F - EPA ECTD G - EPA RDSD H - EPA AMD (prev. EPSD)		EPA Certification / IN-Use / Aged Component Code: A574 A1 <input type="checkbox"/> C = certification <input type="checkbox"/> 1 = In-Use <input type="checkbox"/> 2 = Certification, see help menu <input type="checkbox"/> 3 = Certification, see help menu <input type="checkbox"/> 4 = Certification, see help menu	
Transmission Configuration	EPA Standard Shift Schedule Id No.																						
0 (C-4)	FT3 (City) HW3 (Hwy)																						
2 (M-3)	FT3 (City) HW3 (Hwy)																						
3 (M-4)	FT4 (City) HW4 (Hwy)																						
4 (M-5)	FT5 (City) HW5 (Hwy)																						
10 (C-5)	FT4 (City) HW4 (Hwy)																						
20 (M-6)	FT6 (City) HW6 (Hwy)																						
0, 2, 3, 4, 10, 20 w/SIL FTS (City)	HWS (Hwy) (C or M designator)																						
6, 7, 8, 9, 21, 22 FTA (City)	HWA (Hwy) (Automatic)																						
Shift Indicator Light (SIL) Code (VI-17): A575 A1 <i>Note:</i> This information can be entered for each combination of TEST PROCEDURE CODE and VI FUEL TYPE CODE. 1 - Not Equipped 2 - Equipped, not shifted by SIL 3 - Equipped, shifted by SIL 5 - Equipped, shifted by Survey Schedule		Side Cooling Fan: A576 A1 <input type="checkbox"/> Yes <input type="checkbox"/> No		High Altitude: A577 A1 <input type="checkbox"/> Yes <input type="checkbox"/> No																			
Certification Disposition Code: O A578 A1 01 - Pass 02 - Fuel Economy Only 03 - Fail 04 - Void 05 - DF not available 06 - Evaporative results only 07 - After Shipment 08 - Zero mile test 09 - Highway NOx fail		Fuel Economy Disposition Code: O A579 A2 01 - Used for Fuel Economy 02 - Not used for Fuel Economy 03 - "Reasonable," but not used for fuel economy 04 - Not reviewed, not used for fuel economy 07 - Awaiting confirmatory testing 08 - Manufacturer's confirmatory test, used for fuel economy 09 - Manufacturer's confirmatory test, not used		Aged Component Usage: O A580 A3 Enter the age of the emission control system components (in thousands of miles) or 'NA' as in the following examples: NA - Normal 4k emission or fuel economy data vehicle was used 50 - 50k aged components used on test vehicle 100 - 100k aged components used on test vehicle 120 - 120k aged components used on test vehicle 150 - 150k aged components used on test vehicle																			
Test Odometer Reading: A581 xxxxxxxx F(9.1)		Test Odometer Unit: A582 A1 <input type="checkbox"/> mile <input type="checkbox"/> kilometer		Technical Disposition Code: O A583 A1 <input type="checkbox"/> 1 = Valid <input type="checkbox"/> 2 = Void <input type="checkbox"/> 3 = Variant																			
Retest: A584 A1 <input type="checkbox"/> Yes <input type="checkbox"/> No		Fuel Batch ID: A585 A6		Fuel Calibration Number: A586 I 4																			
Test Condition																							
Temperature Ambient: O A587 F(5.1)		Ambient Temperature Unit: O A588 A1 <input type="checkbox"/> F <input type="checkbox"/> C		Barometric Pressure Value: O A589 F(6.2)																			
Barometric Pressure Unit: O A590 <input type="checkbox"/> INHG <input type="checkbox"/> KPA		NOx KH Correction : O A591 x.xxxx F(6.4)		Quick check (s): O A592 xx.xx F(5.2)																			
Humidity (gr): A593 xxx.xxx F(7.3)																							
CST Only																							
Wait Time (min): O A594 I(2)		Warm Up (s): O A595 I(2)		Restart: O A596 I(1)																			
Recondition Type: O A597 A1 <input type="checkbox"/> Loaded <input type="checkbox"/> Unloaded																							
EPA Un-Rounded Exhaust Emission Test Results (Unit: g/mi)																							
Un-round Emission Result Name (MTDS 11-13): 501 A16		Un-round Test Result: 502 F(12.7)		Test comments: 503 A1000																			
EPA SFTP Calculation Section:																							
FTP Test Number (???get from above test Num) 504 I(7) -- Calculate Composite		US06 Test Number 505 (???get from above Test Number field -- Get Unique Number) -- Calculated Composite		SC03 Test Number 506 (???get from above Test Number field -- Get Unique Number) -- Calculated Composite																			

CSI-5A-continued=====CARB Raw Exhaust Emission Test Results Section: Unit: g/mi) separate set of (inner repeating fields 510-579)											
CARB Test Result Number: 510 I(3) running index (1-999) auto number				Exhaust Test Date: 511 DATE				Mfr Test ID Number: 512 A25			
Test By: 513 A1 <input type="checkbox"/> M = Manufacturer <input type="checkbox"/> E = EPA <input type="checkbox"/> C = CARB				Cert Test Fuel: 514 A2				Test for: 515 A1 <input type="checkbox"/> 1 = Certification <input type="checkbox"/> 2 = Running Change <input type="checkbox"/> 3 = EPA Confirmatory Test <input type="checkbox"/> 4 = CARB Confirmatory Test			
Test Results for which Test type:??? 516 A1 <input type="checkbox"/> FTP ; <input type="checkbox"/> SFTP-US06 ; <input type="checkbox"/> SFTP-SC03; <input type="checkbox"/> SFTP-Composite; <input type="checkbox"/> 50F; <input type="checkbox"/> Cold-CO; <input type="checkbox"/> HWY; <input type="checkbox"/> Idle-CO											
	NMOG (g/mi)	NOx (g/mi)	xxHC + NOx (g/mi)	CO (g/mi)	HCHO* (mg/mi)	PM (g/mi)	CO2	Mpg (Mi/Gal)	CH4 (g/mi)	N2O (g/mi)	
Raw Test Result	520 x.xxxx F(6.4)	521 x.xxx F(5.3)	522 x.xxxx F(6.4)	523 x.xx F(4.2)	524 Xxx I3	525 x.xxxx F(5.3)	526 xx.xx F(5.2)	527 xxx.x F(5.1)	528 xxxx I4	529 xxxx I4	
Certification Exhaust Emission Test Results Section											
Using Aged Parts / NO DF: 517 A1 <input type="checkbox"/> Yes <input type="checkbox"/> No if yes then 556-??? Grey out	Vehicle FTP-NMOG RAF: as applicable				518 x.xxxx F(6.4)	Vehicle FTP-CH4 RAF: as applicable				519 x.xxxx F(6.4)	
Enter the Test Number Associates to the Official Certification Raw Test Result: [select from value field 510-auto fill field 590-599]	530	520 x.xxxx F(6.4) 590	521 x.xxx F(5.3) 591	522 x.xxxx F(6.4) 592	523 x.xx F(4.2) 593	524 Xxx I3 594	525 x.xxxx F(5.3) 595	526 xx.xx F(5.2) 596	527 xxx.x F(5.1) 597	528 xxxx I4 598	529 xxxx I4 599
DF Type: <input type="checkbox"/> Additive <input type="checkbox"/> Multiplicative Additive (DF) non-negative;; Multiplicative (DF) >1.000	531 A1										
50K-miles Deterioration Factor (DF)		540 x.xxxx F(6.4)	541 x.xxx F(5.3)	542 x.xxxx F(6.4)	543 x.xx F(4.2)	544 Xxx I3	545 x.xxxx F(5.3)	546 xx.xx F(5.2)	547 ???	548 ???	549 ???
Useful-Life miles Deterioration Factor (DF)		550 x.xxxx F(6.4)	551 x.xxx F(5.3)	552 x.xxxx F(6.4)	553 x.xx F(4.2)	554 Xxx I3	555 x.xxxx F(5.3)	556 xx.xx F(5.2)	557 ???	558 ???	559 ???
DOR NMOG Credit -FTP only		532 x.xxxx F(6.4)									
Non-PZEV Zero-Evaporative NMOG Credit --FTP only		533 x.xxxx F(6.4)									
50K-miles Certification Result		560 x.xxxx F(6.4)	561 x.xxx F(5.3)	562 x.xxxx F(6.4)	563 x.xx F(4.2)	564 Xxx I3	565 x.xxxx F(5.3)	566 xx.xx F(5.2)	567 ???	568 xxxx I4	569 xxxx I4
Useful-Life miles Certification Result		570 x.xxxx F(6.4)	571 x.xxx F(5.3)	572 x.xxxx F(6.4)	573 x.xx F(4.2)	574 Xxx I3	575 x.xxxx F(5.3)	576 xx.xx F(5.2)	577 ???	578 ???	579 ???
Applicant notes CSI 5A:	580 A1000 Provide additional EDV and test data info that you like EPA/CARB to know; and , if you have choosed any "other" option in CSI 5, enter information here										

CSI-5B Exhaust Durability: Durability Data Vehicle (DDV) and Emissions Test Data

Exhaust Durability Group Data Set 1~n (repeating fields B501~B545 AND field 597)		
Reference exhaust Durability Set number (1~n): B500 CARB internal only – currently as Alpha field counter – ARB wants this as numeric field		Durability Group name (12 digits): B501 A12
Durability Group Description:		
Using Aged Parts for durability demonstration: B502 A1 <input type="checkbox"/> Yes <input type="checkbox"/> No , if Yes then no DF data section	Using MFR specific ADP to generate DFs: B503 A1 <input type="checkbox"/> Yes <input type="checkbox"/> No , if yes, then fill out DF data section	Using EPA’s new-AMA cycle to generate DFs: B504 A1 <input type="checkbox"/> Yes <input type="checkbox"/> No , if Yes, then fillout DF data section
	Combustion Cycle? B505 GET 308 A1 <input type="checkbox"/> O <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> W <input type="checkbox"/> T <input type="checkbox"/> A=other	Combustion Cycle if other: B506 A25
Engine type Code: B507 GET 312 <input type="checkbox"/> 01 = Otto SI <input type="checkbox"/> 02 = Stratified Charged <input type="checkbox"/> 03 = CI <input type="checkbox"/> 04 = Gas Turbine <input type="checkbox"/> 05 = Wankel <input type="checkbox"/> 06 = Stirling <input type="checkbox"/> 99 = Other <input type="checkbox"/> E = Electric	Vehicle Fuel Options: B509 A1 GET get data from CSII field 123 <input type="checkbox"/> SF = Single Fuel vehicle (including Hydrogen) <input type="checkbox"/> FF = Flex-fuel vehicle (FFV) <input type="checkbox"/> MF = Multiple-fuel vehicle, must fill out fuel metering #2 <input type="checkbox"/> BF = Bi-fuel vehicle, must fill out fuel metering #2 (if not single fuel then allow B510 to repeat (2~n))	Vehicle Operating Fuel Type? B510 GET 302 <input type="checkbox"/> G = Gasoline <input type="checkbox"/> D = Diesel <input type="checkbox"/> M = Methanol <input type="checkbox"/> E = Ethanol <input type="checkbox"/> CNG = Compressed Natural Gas <input type="checkbox"/> LPG = Liquefied Petroleum Gas <input type="checkbox"/> H = Hydrogen <input type="checkbox"/> E = Electric <input type="checkbox"/> O = Other Operating Fuel type if other: describe in Notes:
Engine Type if other: B508 A25	Fuel metering device 1: B560 GET 304 A4 <input type="checkbox"/> 18 = Common Rail Diesel Injection <input type="checkbox"/> 7 = MFI <input type="checkbox"/> 8 = SFI <input type="checkbox"/> 14 = CNG Mixer <input type="checkbox"/> 16 = GDI <input type="checkbox"/> 21 = DDI <input type="checkbox"/> 17 = LP Mixer <input type="checkbox"/> 22 = Gaseous Fuel Injection <input type="checkbox"/> 99 = Other <input type="checkbox"/> IDI <input type="checkbox"/> GDI <input type="checkbox"/> TBI <input type="checkbox"/> CARB If Other Fuel Metering device1: describe in Notes:	Fuel metering device 2: B511 GET 306 A4 <input type="checkbox"/> 18 = Common Rail Diesel Injection <input type="checkbox"/> 7 = MFI <input type="checkbox"/> 8 = SFI <input type="checkbox"/> 14 = CNG Mixer <input type="checkbox"/> 16 = GDI <input type="checkbox"/> 21 = DDI <input type="checkbox"/> 17 = LP Mixer <input type="checkbox"/> 22 = Gaseous Fuel Injection <input type="checkbox"/> 99 = Other <input type="checkbox"/> IDI <input type="checkbox"/> GDI <input type="checkbox"/> TBI <input type="checkbox"/> CARB If Other Fuel Metering device2: describe in Notes:
Durability Vehicle After-Treatment Device(s) Information Section:		
Total number of After-Treatment Devices (1~n): B515 if B515 > 1 then repeat ;(do check sum of field → next three for correct summation of total number of ATD = value entered		
Number of ATD in the first row (closest to the exhaust manifold/engine)? B516	Number of ATD in the middle row(s)? B517	Number of ATD in the Last Row? B518
After-treatment Device Specific Information (inner repeating fields xxx~xxx)		
After-treatment Type: B519 <input type="checkbox"/> TWC <input type="checkbox"/> OC <input type="checkbox"/> HC-Adsorber <input type="checkbox"/> TWC+OC <input type="checkbox"/> DPF <input type="checkbox"/> SCR <input type="checkbox"/> NOx-Adsorber <input type="checkbox"/> Other ; if other, explain in After-treatment Note		
After-Treatment Configuration Type B520 <input type="checkbox"/> 1=Single <input type="checkbox"/> P=Parallel <input type="checkbox"/> S=Series <input type="checkbox"/> B=Both	Super Insulated After-treatment B521 <input type="checkbox"/> Yes <input type="checkbox"/> No	Heated after-treatment? B522 <input type="checkbox"/> Yes <input type="checkbox"/> No
After-treatment Precious Metal Material: B523 <input type="checkbox"/> Pt <input type="checkbox"/> Pl <input type="checkbox"/> Rh <input type="checkbox"/> Pt + Pl <input type="checkbox"/> Pt + Rh <input type="checkbox"/> Pl + Rh <input type="checkbox"/> Other	Substrate construction? B524 <input type="checkbox"/> Monolith <input type="checkbox"/> Other if other , use notes	Substrate material? B525 <input type="checkbox"/> Metal <input type="checkbox"/> Ceramic
CBI - Precious Metal Composition (weight in g/liter): (XX.XX / XX.XX / XX.XX) [Pt / Rh / Pd] B526 A25	CBI - Precious Metal Composition (ratio XX.XX / XX.XX / XX.XX): [Pt / Rh / Pd] B527 A25	CBI - Grouping Statistic (maximum / minimum) Ratio of the {(Total Volume of Catalyst / Engine displacement)* loading rate }; B528 xxx.xx / xxx.xx A25
After-treatment Note: B529 A256		
Durability Data Type: B563 A1 <input type="checkbox"/> 1 = NEW <input type="checkbox"/> 2 = C/O <input type="checkbox"/> 3 = C/A	C/O or C/A from Initial Model Year which generated the DFs : B534 I(4)	Durability Method: B535 A1 <input type="checkbox"/> 1 = ADP (ALTERNATIVE DURABILITY) <input type="checkbox"/> 2 = SRC (STANDARD ROAD CYCLE) <input type="checkbox"/> 3 = AMA <input type="checkbox"/> 4 = Other
If using ADP, then list these ADP components: B540 A256		
Durability Emission Cycle Type: B541 A1 (data generated for) <input type="checkbox"/> 1 = FTP-based (FTP, SFTP, Hwy) <input type="checkbox"/> 2 = Cold-CO	DF Type: B542 A1 <input type="checkbox"/> 1 = multiplicative <input type="checkbox"/> 2 = additive <input type="checkbox"/> O = other, Mfr Specific	
Using NMOG / NMHC ratio (optional fill) for NMOG level: B543 <input type="checkbox"/> Yes <input type="checkbox"/> No , if =yes then fill out ratio FIELD B544 → ELSE GREY OUT FIELD B544		Ratio of NMOG/NMHC: B544 x.xxxx F(6.4)
Durability Group Description Notes: B545 A1000		
CARB DF Data Section : (data set 1~n) (inner repeating fields B550~B596)		

EPA Calculate DF: B550 y/n		EPA Average Code: O B551 A1			EPA Test Number: B552 unique number needed		
DF Test Num (Auto fill 1-999): B553		Exhaust Test Date: B554 Date			Mfr Test ID Number: B555 A25		
DF Test Fuel: B556 <input type="checkbox"/> Tier2-unleaded <input type="checkbox"/> CA- Phase2 <input type="checkbox"/> CNG <input type="checkbox"/> LPG <input type="checkbox"/> Ethanol <input type="checkbox"/> Methanol <input type="checkbox"/> Other		DF service accumulation Type: <input type="checkbox"/> M = Mile <input type="checkbox"/> K = Kilometer <input type="checkbox"/> H = Hours B557 A1			DF Emission Cycle Type: B558 <input type="checkbox"/> FTP <input type="checkbox"/> Cold-CO		
Raw Exhaust Emission Test Results (Unit: g/mi)							
Discrete mileage / hours	NMOG	NOx	xxHC + NOx	CO	HCHO* (mg/mi)	PM	Cold_CO
B559 Xxxxxx I(6)	B570 x.xxxx F(6.4)	B571 x.xxx F(5.3)	B572 x.xxxx F(6.4)	B573 x.xx F(4.2)	B574 Xxx I3	B575 x.xxx F(5.3)	B576 xx.xx F(5.2)
EPA / CARB Certification Levels and Deterioration Factors (Note: Based on all available valid tests)							
Durability Test Results for which Test type:??? <input type="checkbox"/> FTP / SFTP / Highway NOx; <input type="checkbox"/> Cold-CO					B562		
DF Type: <input type="checkbox"/> Additive <input type="checkbox"/> Multiplicative	B560 A1						
50K-miles Deterioration Factor (DF)	B580 x.xxxx F(6.4)	B581 x.xxx F(5.3)		B583 x.xx F(4.2)	B584 Xxx I3	B585 x.xxx F(5.3)	B586 xx.xx F(5.2)
Useful-Life miles Deterioration Factor (DF)	B590 x.xxxx F(6.4)	B591 x.xxx F(5.3)		B593 x.xx F(4.2)	B594 Xxx I3	B595 x.xxx F(5.3)	B596 xx.xx F(5.2)
Applicant notes CSI 5B:	B597 A1000						

CSI 5C: Laboratory and Fuels Information Section

Laboratory and Fuels Information Section from MTDS (repeating fields for multiple data set (1~n)) (FIELDS C101~C133)		
Laboratory Information ID: O C101 A18		
Laboratory Section: (Optional) – copy button		
Test Laboratory Site Code: C102 A65	Test Analysis Site: C103 A65	Test Dyno Site: C104 A65
Test Odometer Reading: C105 F(9.1)	Test Odometer Unit: C106 <input type="checkbox"/> mile <input type="checkbox"/> kilometer	Fuel Batch ID: C107 A6
Fuel Calibration Number: C108 I4	Reason for Confirmation: C109 <i>Note: This data element is applicable to EPA performed tests and should only be submitted with EPA test data.</i> 01 - Random audit 02 - Failure at manufacturer 03 - Cert level equals standards 04 - FE >= leader 05 - FE up by 1 or more 06 - New vehicle, no data 07 - FE correlation offset 08 - Defeat device evaluation 09 - Replacement of failed vehicle 10 - Potential gas guzzler 11 - Potential I/M concerns 99 - Other reason	CSI 5C Lab Notes: C110
Fuels Section (optional) ---copy button		
Fuel Batch ID: C120		
Fuel Batch Calibration Effective Date: C121 Date	Fuel Batch Calibration Ineffective Date: C122 Date	Fuel Batch Calibration Date: C123 Date
Carbon Weight Fraction NMHC: C124 F(5.3)	Carbon Weight Fraction HC: C125 F(5.3)	Exhaust Weight Carbon Fraction: C126 F(5.3)
Fuel Methanol Volume Fraction: C127 F(5.3)	Fuel Density: C128 F(6.3)	Weight Fraction CO2: C129 F(5.3)
Fuel Specific Gravity: C130 F(5.3) 0.719-0.770 (Gasoline) Gasoline - SG California Phase II - S _{g,blend} 0.844-0.882 (Diesel) Diesel - NOT REQUIRED 0.790-0.800 (Methanol) Methanol - SG 0.740-0.790 (Methanol blend) Methanol blend - SG 0.723-0.750 (California Phase II) California Phase II - S _{g,blend} LPG - Range to be determined later	Fuel Net Heating Value (BTU/pound): C131 I(6) check entered value with upper and lower ranges of each fuel Units are BTU/Pound 018284-019000 (Gasoline) Gasoline - NHV Gasoline (dual fuel) - NHV, NHV _{net} , NHV _g 018300-019100 (Diesel) Diesel (single fuel) - NOT REQUIRED Diesel (dual fuel) - NHV _{net} 008000-009000 (Methanol) Methanol (single fuel) - NOT REQUIRED Methanol (dual fuel) - NHV _{net} 008000-018000 (Methanol blend) Methanol blend (single fuel) - NOT REQUIRED Methanol blend (dual fuel) - NHV _{net} , NHV _{so} 020000-040000 (Natural gas) Natural gas (single fuel) - NOT REQUIRED Natural gas (dual fuel) - NHV _{net} 017000-019000 (California Phase II) California Phase II - NHV _{blend} 008000-018000 (Other alcohol) Other alcohol (not CFEIS, dual fuel) - NHV _{net} , NHV _{so} 018284-019000 (Gasoline) Gasoline - NHV California Phase II - NHV _{blend} LPG - Range to be determined later	Fuel Blend Carbon Weight Fraction: C132 F(5.3) 0.835-0.886 (Gasoline) Gasoline - CWF 0.864-0.873 (Diesel) Diesel - NOT REQUIRED 0.3745-0.3745 (Methanol) Methanol - CWF 0.3745-0.880 (Methanol blend) Methanol blend - CWF 0.839-0.844 (California Phase II) California Phase II - CWF _{blend} 0.650-0.770 (Natural Gas) Natural Gas - CWF _{net} 0.835-0.886 (Gasoline) Gasoline - CWF California Phase II - CWF _{blend} LPG - Range to be determined later
CSI 5C Fuel Notes: C133 A1000		

Certification Summary Information (CSI – continued)

CSI 6A: Evaporative Refueling Family Description

Evaporative Refueling Family: data set 1~n REPEAT FIELDS A600-675		
Reference Evaporative Refueling Family Number (1~n): A600 CARB Internal Only (Additional evaporative Refueling Family???)		
Evaporative Family Name: A601 A12	EPA Evaporative Emission Useful Life: A602 {get from field 2xx}	
CARB Evaporative Refueling Emission Standard: A603 <input type="checkbox"/> Passenger Car <input type="checkbox"/> Light-Duty Truck (GVWR= 0-6000 pounds) <input type="checkbox"/> Light-Duty Truck (GVWR= 6001-8500 pounds) <input type="checkbox"/> Medium-Duty Vehicle (8501 < GVWR < 14000)	Does this evaporative family meet the CARB alternative In-Use Evaporative Emission Standard A604 <input type="checkbox"/> Yes <input type="checkbox"/> No	
EPA evaporative emission standard type: A605 <input type="checkbox"/> Tier 2 Evaporative standards <input type="checkbox"/> Enhanced Evaporative standards <input type="checkbox"/> Other	ORVR system integrated as part of Evaporative System: A606 <input type="checkbox"/> Yes <input type="checkbox"/> No if =Yes, then fields A660-A667 are not required; else =NO then fill-in following information	
EPA GVW Category: A607 LDVT - LDV, LLDT, HLDT <30 Gal. Fuel Tank (Federal or California) HLDT - HLDT \$30 Gal. Fuel Tank (Federal or California) CMDV - HDGV #14,000 Lb. (California) MDPV - Medium Duty Passenger Vehicles ALL - LDV, LDT, MDPV as needed (any combination)	Emission Standard Fuel Type Code: A608 <input type="checkbox"/> G = Gasoline <input type="checkbox"/> D = Diesel <input type="checkbox"/> M = Methanol <input type="checkbox"/> E = Ethanol <input type="checkbox"/> CNG = Compressed Natural Gas <input type="checkbox"/> LPG = Liquefied Petroleum Gas <input type="checkbox"/> N= N/A <input type="checkbox"/> H = Hydrogen <input type="checkbox"/> O = Other	
Purge Valve? A609 <input type="checkbox"/> Yes <input type="checkbox"/> No, if =yes, then enter field A610➔	Purge control method? A610 <input type="checkbox"/> Analog <input type="checkbox"/> Digital	
Zero Evaporative Emissions compliance? A615 <input type="checkbox"/> Yes or <input type="checkbox"/> No If Yes then enter field A616 ➔	Vehicles in this Test Group Non-PZEV? A616 <input type="checkbox"/> Yes or <input type="checkbox"/> No if =yes then must fillout CSI-7 field 752 for Non-PZEV NMOG credit	
Comply with CARB fill-pipe specifications: A619 <input type="checkbox"/> Yes <input type="checkbox"/> No	Vapor Hose Material Description: A617 A256	
Fill-pipe Seal Mechanism: A618 <input type="checkbox"/> Mechanical <input type="checkbox"/> Liquid Trap <input type="checkbox"/> Other if other, describe in NOTES section		
Vapor Storage System / Device Information Section:		
EPA Sales Area: A620 CA - California + 177 States (includes California Tier 1, TLEV-I, LEV-I, ULEV-I, SULEV-I, LEV-II, LEV-II Opt I, ULEV-II, SULEV-II and ZEV vehicles) FA - Federal Tier 2 (Bins 1-11); Federal Interim Non-Tier 2 (Bins 1-11); Federal All Altitude (Tier 1 for LDV, LLDT; Tier 1, LEV or ULEV, for HLDT, which becomes obsolete in 2004 for all except small volume hardship vehicles and HLDTs certified via 86.1811-04(1)(2)(vii); obsolete in 2005 for all vehicles). NL - NLEV - All States Trading Region (TLEV, LEV, ULEV, ZEV). May be used in combination with FA Tier 2 (Bins 1-11) for early Tier 2 credits or with FA Interim Non-Tier 2 (Bin 1-11); obsolete in 2004. CF - Federal Clean Fueled Fleet Areas (LEV, ULEV, ILEV, ZEV) If Certified to Same Standards: CL - CA + NL (Obsolete in 2004) NF - CA + NL + CF (Obsolete in 2004) FC - Federal and California - Tier 2 only	Vapor Storage System: A621 Note: Field required on an Add Transaction if no Evaporative Family Systems exist for the Evaporative Family. 0 - None 1 - Canister 2 - Crankcase 3 - Air Cleaner 4 - Canister and Crankcase 5 - Crankcase and Air Cleaner 6 - Canister and Air Cleaner 7 - Canister, Crankcase and Air Cleaner	Evaporative System Fuel Type: A622 06 - Unleaded (at EPA 96 RON) 09 - Diesel (at EPA #2 Diesel) 17 - Leaded (at EPA Ind 15) 22 - Special Unleaded 91 RON (for Defeat Device Testing only) Ref. VPCD-97-01 23 - Carb Phase II Gasoline (CERT) 24 - Cold CO Regular (Cert) 25 - Cold CO Premium (Cert) 26 - Cold CO Regular (Tier 2) 27 - Cold CO Premium (Tier 2) 31 - Methanol (Cert M10) 33 - Methanol (Cert M85) 37 - E10 (10% Ethanol 90% EPA Unleaded Gasoline) 38 - E85 (85% Ethanol 15% EPA Unleaded Gasoline) 39 - Ethanol (Reserved for CERT - not CFEIS) 40 - Hydrogen (Reserved for CERT - not CFEIS) 41 - CNG (CERT) 42 - LPG (reserved for CERT) (Not CFEIS) 43 - E10 (10% Ethanol 90% CAL Phase II Gasoline) 44 - E85 (85% Ethanol 15% CAL Phase II Gasoline) 61 - Tier 2 Unleaded (at EPA - 96 RON and 15-45 ppm Sulfur)
Vapor Storage Device (AIS = air intake system): A625 <input type="checkbox"/> Yes or <input type="checkbox"/> No	Vapor Storage Canister: A626 <input type="checkbox"/> Yes or <input type="checkbox"/> No if yes then xxx-xxx are needed	
Total System/Canister(s) Butane Working Capacity (g) : A627 xxx / I3	Bleed Canister A628 <input type="checkbox"/> Yes or <input type="checkbox"/> No	
Number of Canister(1-6): A629 x / I1	Number of Bleed Canister(1-6): A630	

Canister System Configuration? A631 <input type="checkbox"/> Single <input type="checkbox"/> Parallel <input type="checkbox"/> Series <input type="checkbox"/> N/A		Bleed Canister Configuration to the main canister? A632 <input type="checkbox"/> Parallel <input type="checkbox"/> Series <input type="checkbox"/> Both <input type="checkbox"/> Integrated <input type="checkbox"/> N/A			
Integrated Evaporative Canister with ORVR? <input type="checkbox"/> Yes <input type="checkbox"/> No A633 A1 If yes then fields A660~A667 greyout		Bleed Canister Information Section: INNER REPEATING DATA SET (1-N) REPEAT FIELDS A645-654			
Canister Information Section: INNER REPEATING DATA SET (1-N) REPEAT FIELDS A635-642		Completed Bleed Canister Supplier Name: A645 A65			
Completed Canister Supplier Name: A635	A65	Storage Medium Supplier Name: A646	A65		
Storage Medium Supplier Name: A636	A65	Canister Butane Working Capacity (g) : A647	Xxx / I3		
Canister Butane Working Capacity (g) : A637	Xxx / I3	Canister Bed Volume (cc): A648	Xxx / I3		
Canister Bed Volume (cc): A638	Xxx / I3	Canister Storage Medium? A649 <input type="checkbox"/> carbon <input type="checkbox"/> synthetic	A1		
Canister Storage Medium? A639 <input type="checkbox"/> carbon <input type="checkbox"/> synthetic	A1	Canister Housing Material? A650 <input type="checkbox"/> plastic <input type="checkbox"/> metal	A1		
Canister Housing Material? A640 <input type="checkbox"/> plastic <input type="checkbox"/> metal	A1	Canister Vent System Configuration? A651 <input type="checkbox"/> close bottom <input type="checkbox"/> open bottom	A1		
Canister Vent System Configuration? A641 <input type="checkbox"/> close bottom <input type="checkbox"/> open bottom	A1	Canister Geometry: A652 <input type="checkbox"/> Cylindrical <input type="checkbox"/> Rectangular <input type="checkbox"/> Other	A1		
Canister Geometry: A642 <input type="checkbox"/> Cylindrical <input type="checkbox"/> Rectangular <input type="checkbox"/> Other	A1	Bleed Canister Distance from Main Canister (inches): A653	xx.x/F(4.1)		
Canister Notes: A643	A256	Bleed Canister Location in the engine compartment: A654	xx.x/F(4.1)		
		Bleed Canister Notes: A655	A256		
ORVR Canister Information Section: INNER REPEATING DATA SET (1-N) REPEAT FIELDS A660~A667					
Completed ORVR Canister Supplier Name: A660	A65	Canister Storage Medium? A664 <input type="checkbox"/> carbon <input type="checkbox"/> synthetic	A1		
Storage Medium Supplier Name: A661	A65	Canister Housing Material? A665 <input type="checkbox"/> Yes <input type="checkbox"/> No	A1		
Canister Butane Working Capacity (g) : A662	Xxx / I3	Canister Vent System Configuration? A666 <input type="checkbox"/> close bottom <input type="checkbox"/> open bottom	A1		
Canister Bed Volume (cc): A663	Xxx / I3				
ORVR Notes: A667					
Fuel Tank Information Section: INNER REPEATING DATA SET (1-n)					
Fuel Tank Specific Section: data set 1-n; REPEAT FIELDS A669-675					
	Tank Type #: A669	Tank Type 2	Tank Type 3	Tank Type 4	Tank Type (n)
Tank Supplier Name	A670 A65	A65	A65	A65	
Tank Material A671	<input type="checkbox"/> Steel <input type="checkbox"/> Plastic; if plastic then field A672 is required →				
Plastic Tank Material	A672 A25				
100% fill (Gallons)	A673 xx.x F(4.1)	xx.x F(4.1)	xx.x F(4.1)	xx.x F(4.1)	
40% fill (Gallons)	A674 A65	A65	A65	A65	
Fuel Tank Notes: A675 A256					
Applicant Comment CSI 6A: A676 A1000					

Certification Summary Information (CSI – continued)

CSI.6B: Evaporative Refueling Emission Data Vehicle (EDV) and Emission Data

Evaporative Refueling EDV Set 1~n REPEAT FIELDS B600~B675													
Reference Evaporative EDV Number (1~n): B600 -----CARB Internal Use Only													
Evaporative Family Name: B601 A12				Displacement (liters): B608 xx.xxx / F(6.3)				A Coefficient: B615 xx.x / F(4.1)					
				Rated Power (hp): B609 xxx.x / F(5.1)				B Coefficient: B616 xx.x / F(4.1)					
Evaporative Test Vehicle ID: B603 A25				Rated Power @ Rated Speed (rpm): B610xxxx / I4				C Coefficient: B617 xx.x / F(4.1)					
Evaporative Test Vehicle Model: B604 A25				Cylinder (Block) Arrangement: B611 <input type="checkbox"/> W <input type="checkbox"/> I <input type="checkbox"/> V <input type="checkbox"/> R <input type="checkbox"/> H <input type="checkbox"/> O				Tire Size : B618 A18					
EDV evaporative type? B605 <input type="checkbox"/> NEW <input type="checkbox"/> C/O <input type="checkbox"/> C/A				Number of Cylinders (1~12) : B612 I(2)				Road Load Horsepower (RLHP): B619 xx.x / F(4.1)					
EDV c/o or c/a evaporative family name: B606 A12				Transmission: B613 <input type="checkbox"/> A = Auto <input type="checkbox"/> M =Manual <input type="checkbox"/> SA = Semi Auto <input type="checkbox"/> CVT = Continuous Variable <input type="checkbox"/> NA				Using assigned EVAP DF: B620 <input type="checkbox"/> Yes or <input type="checkbox"/> No					
Evaporative Test Vehicle Engine Code: B607 A25				Number of Transmission Gears: B614 I(2)				GVWR: B621 xxxxx / I5					
ALVW: B622 xxxxx / I5				LVW: B623 xxxxx / I5				ETW: B624 xxxxx / I5					
40%-fill Fuel Tank(s) Capacity (Gallons): B625 xx.x / F(4.1)						100%-fill Fuel Tank(s) Capacity (Gallons): B626 xx.x / F(4.1)							
Raw Evaporative Refueling Test Results (g/test) INNER REPEATING SET (1~N) FIELDS (627~640)													
EPA Exhaust Test Number: (referenced from exhaust test vehicles)				B627		EPA ICI Evaporative DF?						B628	
Evap Test Number (System Auto Generate # (1~99) different test results)	Evap Test Date	Evap Test ID Number	Test By <input type="checkbox"/> M <input type="checkbox"/> E <input type="checkbox"/> C	Evap. Test Fuel <input type="checkbox"/> Tier2 Unleaded <input type="checkbox"/> CA- Phase2 <input type="checkbox"/> LPG <input type="checkbox"/> NG <input type="checkbox"/> Ethanol <input type="checkbox"/> Methanol <input type="checkbox"/> Other; if other explain in notes		Test For: <input type="checkbox"/> C <input type="checkbox"/> R <input type="checkbox"/> O	R / L Test <input type="checkbox"/> S <input type="checkbox"/> P	TP <input type="checkbox"/> E <input type="checkbox"/> C	ORVR	Spit Back	3-Days + Hot Soak	2-Days + Hot Soak	Running Loss
B630	B631 date	B632 A25	B633 A1	B641 A1		B642	B634	B635	B636 x.xxx F(5.3)	B637 x.xxx F(5.3)	B638 x.xxx F(5.3)	B639 x.xxx F(5.3)	B640 x.xxx F(5.3)
DF Type: A or M and enter each value as appropriate: B649 <input type="checkbox"/> A <input type="checkbox"/> M									B650	B651	B652	B653	B654
Enter the Evaporative Test Number as the Official Raw Evaporative Emission Certification Level (without DF) select from field B630							B643	B655 x.xxx F(5.3)	B656 x.xxx F(5.3)	B657 x.xxx F(5.3)	B658 x.xxx F(5.3)	B659 x.xxx F(5.3)	
Overall Evaporative Emission includes Deterioration Factor (DF)									B660 x.xxx F(5.3)	B661 x.xxx F(5.3)	B662 x.xxx F(5.3)	B663 x.xxx F(5.3)	B664 x.xxx F(5.3)
DOR credit applied to this EDV evaporative emission result (g/mi to g/test): B665 <input type="checkbox"/> Yes <input type="checkbox"/> No											B667 x.xxx F(5.3)	B668 x.xxx F(5.3)	
Official Evaporative Emission Certification Level (with DF)									B670 x.xxx F(5.3)	B671 x.xxx F(5.3)	B672 x.xxx F(5.3)	B673 x.xxx F(5.3)	B674 x.xxx F(5.3)
Applicant notes CSI 6B:			B675 A1000										

Certification Summary Information (CSI – continued)

CSI.6C: Evaporative Durability Data Vehicle (DDV) and Durability Test Data

Evaporative DDV (Set 1~n) REPEAT FIELDS E100-E111									
Reference Evaporative DDV Number (1~n): C600 CARB Internal Use Only									
Evaporative Family Name: C601 A12			Evaporative Family Group: C604 A16			Engine Displacement (liters): C607 xx.xxx / F(6.3)			
DDV evaporative type? C603 <input type="checkbox"/> NEW <input type="checkbox"/> C/O <input type="checkbox"/> C/A If =C/O or C/A then field C603 is required			Evaporative Test Vehicle ID: C605 A25			40%-fill Fuel Tank(s) Capacity (liters): C608 xx.x / F(4.1)			
DDV c/o or c/a evaporative family name: C603 A12			Evaporative Test Vehicle Model: C606 A25			100%-fill Fuel Tank(s) Capacity (liters): C609 xx.x / F(4.1)			
Evaporative DDV comment: C610 A65									
Using assigned EPA EVAP DF? C611 <input type="checkbox"/> Yes or <input type="checkbox"/> No if =Yes skip below FIELDS C6XXX-C6XXX					Using assigned CARB EVAP DF? C612 <input type="checkbox"/> Yes or <input type="checkbox"/> No if =yes, skip below FIELDS C6XXX-C6XXX				
Evaporative Bench DF ::: Mfr. Bench Test ID: C615 (A25) INNER REPEATING SET (1-N) FIELDS C6XX-C6XX									
Test Num	Test Date	Test ID Number:	Evap. Test Fuel	Test Point : (mi)	ORVR	Spit Back	3-Days + Hot Soak	2-Days + Hot Soak	Running Loss
C626	C627 date	C628 A25	C629 See edv	C630 xxxxxx / I6	C631 x.xxx F(5.3)	C632 x.xxx F(5.3)	C633 x.xxx F(5.3)	C634 x.xxx F(5.3)	C635 x.xxx F(5.3)
Bench Value @ (first point- typically at 4-K mile): Averaged value???				C640 xxxx / I4	C641 x.xxx F(5.3)	C642 x.xxx F(5.3)	C643 x.xxx F(5.3)	C644 x.xxx F(5.3)	C645 x.xxx F(5.3)
Bench Value @ (UL point):				C650 xxxxxx / I6	C651 x.xxx F(5.3)	C652 x.xxx F(5.3)	C653 x.xxx F(5.3)	C654 x.xxx F(5.3)	C655 x.xxx F(5.3)
Bench Evaporative Deterioration Factor (DF):				C656 x.xxx F(5.3)	C657 x.xxx F(5.3)	C658 x.xxx F(5.3)	C659 x.xxx F(5.3)	C660 x.xxx F(5.3)	
Bench DF Notes: C661 A1000									
Evaporative Vehicle DF ::: Mfr. Test Vehicle ID: C662 (A25)									
Test Num	Test Date	Test ID Number:	Evap. Test Fuel	Test Point : (mi)	ORVR	Spit Back	3-Days + Hot Soak	2-Days + Hot Soak	Running Loss
C666	C667 date	C668 A25	C669 See edv	C670 xxxxxx / I6	C671 x.xxx F(5.3)	C672 x.xxx F(5.3)	C673 x.xxx F(5.3)	C674 x.xxx F(5.3)	C675 x.xxx F(5.3)
Vehicle Value @ (first point- typically at 4K-miles): Averaged value???				C680 xxxx / I4	C681 x.xxx F(5.3)	C682 x.xxx F(5.3)	C683 x.xxx F(5.3)	C684 x.xxx F(5.3)	C685 x.xxx F(5.3)
Vehicle Value @ (UL point):				C686 xxxxxx / I6	C687 x.xxx F(5.3)	C688 x.xxx F(5.3)	C689 x.xxx F(5.3)	C690 x.xxx F(5.3)	C691 x.xxx F(5.3)
Vehicle Evaporative Deterioration Factor (DF):				C692 x.xxx F(5.3)	C693 x.xxx F(5.3)	C694 x.xxx F(5.3)	C695 x.xxx F(5.3)	C696 x.xxx F(5.3)	
Vehicle DF Notes: C697 A1000									

Certification Summary Information (CSI – continued)

CSI.7: Vehicle Models Summary

Vehicle Models Summary		Vehicle Models Covered				
		Model Set 1	Model Set 2	Model Set 3	Model	Model Set n
Reference Model Number (1-n): 700 autonum						
Test Group Name: Transfer from CSI-1		701	A12			
EPA Mfr Code: Transfer from system		702	A4			
Model Year: Transfer from CSI-1		703	A4			
EPA Certificate / Summary Sheet Index Number: Transfer from System		704	A9			
EPA CAP2000 Conditional Certificate <input type="checkbox"/> Yes <input type="checkbox"/> No		705	A1			
Manufacturer Name (transfer from CSI-1)		706	A65			
EPA Certificate Issue Date (system generated date)		707	DATE			
Vehicle Make Name / Division Name (dropdown selection from mfr registered divisions ; system regenerate this list for mfr to select)		708	A65			
Vehicle Model Name / Carline Name		709	A65			
Manufacturer (internal) Code Name****See Duc		710	A65			
Sub-Model / Trim Level Description: readily observable vehicle features***See Duc		711	A65			
EPA Vehicle Type Indicator:	LDV - Light Duty Vehicles only. (For this Summary Sheet.) LDT - Light Duty Trucks only. (For this Summary Sheet.) LVT - Both LDVs and LDTs listed on this Summary Sheet. HDV - Complete Heavy Duty Vehicle (Chassis).	712	A3			
FTP Vehicle Class: <input type="checkbox"/> 1 = Passenger Car <input type="checkbox"/> 2 = Light Duty Truck (GVW < 8500) <input type="checkbox"/> 3 = Medium-Duty Vehicle (GVW = 8501 ~ 10000) <input type="checkbox"/> 4 = Medium-Duty Vehicle (GVW = 10001 ~ 14000)		713	A1			
Cold-CO Vehicle Class: <input type="checkbox"/> 1 = Passenger Car <input type="checkbox"/> 2 = Light Duty Truck (LVW = 0 ~ 3750) <input type="checkbox"/> 3 = Light Duty Truck (LVW = 3751 ~ GVW=8500)		714	A1			
SFTP Vehicle Class: <input type="checkbox"/> 1 = Passenger Car <input type="checkbox"/> 2 = Light Duty Truck (LVW = 0 ~ 3750) <input type="checkbox"/> 3 = Light Duty Truck (LVW = 3751 ~ 5750) <input type="checkbox"/> 4 = Medium Duty Vehicle (ALVW = 3751 ~ 5750) <input type="checkbox"/> 5 = Medium Duty Vehicle (ALVW = 5751 ~ 8500)		715	A1			
Evaporative Vehicle Class: <input type="checkbox"/> 1 = Passenger Car <input type="checkbox"/> 2 = Light-Duty Truck (GVWR= 0-6000) <input type="checkbox"/> 3 = Light-Duty Truck (GVWR= 6001-8500) <input type="checkbox"/> 4 = Medium-Duty Vehicle (8501 < GVWR < 14000)		716	A1			
Evaporative Family Name: (system pull down menu from CSI6A)		717	A12			
Exhaust Emission Control System (system pull down menu) (i.e., ECS1, ECS2, etc.)		718	A4			
Displacement (liters)		719	xx.xxx / F(6.3)			
Engine / Calibration Code		720	A18			
LVW (lbs)		721	Xxxxx / 15			
ALVW (lbs)		722	Xxxxx / 15			
GVW (lbs)		723	Xxxxx / 15			
GVWR (lbs)		724	Xxxxx / 15			
Test Horsepower		725				
RPM @ Test Horsepower		726				
Rated Horsepower (hp)		727	xxx.x / F(5.1)			
RPM @ Rated Horsepower		728	Xxxxx / 15			
Drive System: <input type="checkbox"/> F=FWD <input type="checkbox"/> R=RWD <input type="checkbox"/> 4=4WD <input type="checkbox"/> P=Pt-4WD <input type="checkbox"/> A=AWD		729	A3			
Transmission Over-Drive <small>Note: Default is '2'</small> 1 - No Gear Ratio < 1.0 2 - Top Gear Ratio < 1.0		730	A1			
Shift Indicator Light: <input type="checkbox"/> Yes <input type="checkbox"/> No		731	A1			

Number of Transmission Mode V - Continuously Variable, User-selectable C - Computer Controlled Multiple Gear Ratios 1-9 - Number of Discrete User-selectable Transmission Modes	732 A1
Variable Lockup Point Code Note: Default is 'N'. V - Continuously Variable C - Computer Controlled Lock-up 1-9 - Number of Discrete Lock-up RPM Ranges N/blank - No Variable Lock-up Point (Non lock-up transmission)	733 A1
Declutching / Freewheeling Note: Default is 'N'. Y - Yes L - Yes, but with lock-out features N/blank - No	734 A1
Test Number(s): get from system a list valid test for this TG (1~999)	735 A3
Shift Schedule	736 A125
Cooling Fan Configuration	737 A65
Coast Down Time (s)	738 xx.x
N/V Ratio	739 xx.x / F(4.1)
Tire Size Information: repeating inner group (possible 999)	740 A12
Transmission Type: <input type="checkbox"/> A = Auto <input type="checkbox"/> M = Manual <input type="checkbox"/> S = Semi Auto <input type="checkbox"/> C = Continuous Variable <input type="checkbox"/> N = NA	741 A2
Transmission forward gears (1~99):	743 I2
EPA Transmission Code: A3 - No lockup/automatic/3 - speed A4 - No lockup/automatic/4 - speed A5 - No lockup/automatic/5 - speed A6 - No lockup/automatic/6 - speed AV - Automatic variable gear ratios B3 - Both C4 & M3 B4 - Both C5 & M4 C4 - Creeper/Manual 4 - speed C5 - Creeper/Manual 5 - speed L3 - Lockup/automatic/3 - speed L4 - Lockup/automatic/4 - speed L5 - Lockup/automatic/5 - speed L6 - Lockup/automatic/6 - speed M3 - Manual 3 - speed M4 - No creeper/Manual 4 - speed M5 - Manual 5 - speed M6 - Manual 6 - speed S2 - Semi-automatic 2 - speed S3 - Semi-automatic 3 - speed S4 - Semi-automatic 4 - speed S5 - Semi-automatic 5 - speed S6 - Semi-automatic 6 - speed	744 A2
Model specific On-Board Diagnostic Compliance: <input type="checkbox"/> 1 = Full – no Deficiencies <input type="checkbox"/> 2 = Partial– with Deficiencies <input type="checkbox"/> 3 = Partial– with Deficiencies and Penalty <input type="checkbox"/> 4 = Partial– some models without Deficiencies and some models with Deficiencies <input type="checkbox"/> 5 = Partial– some models without Deficiencies and some models with Deficiencies and Penalty	745 A1
Model specific Label Type: <input type="checkbox"/> 50 States <input type="checkbox"/> 49 States <input type="checkbox"/> California Only <input type="checkbox"/> AB965 – CARB only	746 A1

<p>EPA Sales Area:</p> <p>CA - California + 177 States (includes California Tier 1, TLEV-I, LEV-I, ULEV-I, SULEV-I, LEV-II, LEV-II Opt I, ULEV-II, SULEV-II and ZEV vehicles)</p> <p>FA - Federal Tier 2 (Bins 1-11); Federal Interim Non-Tier 2 (Bins 1-11); Federal All Altitude (Tier 1 for LDV, LLDT; Tier 1, LEV or ULEV, for HLDI, which becomes obsolete in 2004 for all except small volume hardship vehicles and HLDIs certified via 86.1811-04(1)(2)(vii); obsolete in 2005 for all vehicles).</p> <p>NL - NLEV - All States Trading Region (TLEV, LEV, ULEV, ZEV). May be used in combination with FA Tier 2 (Bins 1-11) for early Tier 2 credits or with FA Interim Non-Tier 2 (Bin 1-11); obsolete in 2004.</p> <p>CF - Federal Clean Fueled Fleet Areas (LEV, ULEV, ILEV, ZEV)</p> <p>If Certified to Same Standards: CL - CA + NL (Obsolete in 2004) NF - CA + NL + CF (Obsolete in 2004) FC - Federal and California - Tier 2 only</p>	<p>747 A2</p>
<p>Projected Sales (CBI) – CA-only</p>	<p>748 Xxxxx / 15</p>
<p>Projected Sales (CBI) -- US Total (Includes CA Sales)</p>	<p>749 Xxxxxx / 16</p>
<p>Projected Sales (CBI) -- US (49-States) calculated field</p>	<p>750 Xxxxxx / 16</p>
<p>Green House Gas Vehicle Test Group Name (transfer as drop down from CSI 3B field 331 – keep all values as elements of the drop down list)</p>	<p>751 A15</p>
<p>NMOG Credit for non-PZEV Zero Evaporative Compliant Vehicle (g/mi)</p>	<p>752 xx.xx / F(5.2)</p>
<p>NMOG Credit for DOR equipped Vehicles (g/mi)</p>	<p>753 xx.xx / F(5.2)</p>
<p>Combined PZEV Credit Allowance (baseline + all AT allowances)</p>	<p>754 xx.xx / F(5.2)</p>
<p>Applicant Note CSI-7</p>	<p>755 A1000</p>
<p>EPA Staff Notes: not for applicant use</p>	<p>756 A78</p>

Certification Summary Information (CSI – continued)

CSI-8 CARB-ONLY: Part TWO Submittals

Part TWO Submittals (Link to DMS to track report suspense date) internal CARB only- NOT REQUIRED			
PART 2 Summary (Post Certification Reports)	Doc Submittal Date	??? EPA Reference Doc Name	CARB reference Doc Name
Emission Related Components Part Number Summary	801 DATE		802 A65
Basic Calibration for Emission Related Components	803 DATE		804 A65
Final Vehicle Model Description	805 DATE		806 A65
Final Vehicle Model Test Parameters	807 DATE		808 A65
Final Production / Sales Report – Separate DB???	809 DATE		810 A65
Service Information Publications	811 DATE		812 A65
Owner's Manual	813 DATE		814 A65
NMOG / NMHC Ratio Document	815 DATE		816 A65
HCHO / NMHC Ratio Document	817 DATE		818 A65
Running Change Summary	819 DATE		820 A65
Engineering Support Data to Support Compliance Statements	821 DATE		822 A65
SMOG Index Label –CARB only	823 DATE		824 A65
FE label – EPA only	825 DATE		826 A65
Quarterly Production Reports – CARB only	827 DATE		828 A65
Adjustable Parameters Description	829 DATE		830 A65
VIN De-code Methodology	831 DATE		832 A65
Scan Tool Access Method and Location – EPA only	833 DATE		834 A65
Certification Vehicle Description and Test Summary	835 DATE		836 A65
Unscheduled Maintenance of Certification Vehicle	837 DATE		838 A65

Certification Summary Information (CSI – continued)

CSI-9: CARB-ONLY: Test Group Compliance Document Reference Summary

CARB Only:: Test Group Compliance Document Reference Summary			
PART 1 Summary (Pre-Certification Reports)	Applicability Yes/No	??? EPA reference Doc Name	CARB reference Doc Name
Test Group Description	901 A1		902 A65
Test Group Certification Cover Letter – signed pdf image	903 A1		904 A65
Test Group Certification Compliance Statements	905 A1		906 A65
Durability Group Description	907 A1		908 A65
Exhaust Durability Deterioration Factor Procedures	909 A1		910 A65
Evaporative Refueling Family Description	911 A1		912 A65
Evaporative Refueling Durability Deterioration Factor Procedure	913 A1		914 A65
Running Loss Fuel Tank Temperature Profiles	915 A1		916 A65
ORVR approval Letter	917 A1		918 A65
OBD Information	919 A1		920 A65
OBD Approval Letter	921 A1		922 A65
AECD Description	923 A1		924 A65
NMOG Average Plan	925 A1		926 A65
VECI Label	927 A1		928 A65
SMOG Index Label –CARB only	929 A1		930 A65
FE label – EPA only	931 A1		932 A65
Emission Warranty	933 A1		934 A65
Statement of compliance for HCHO exhaust certification level	935 A1		936 A65
Special Test Procedures?	937 A1		938 A65
Green House Gas Fleet Average Plan	939 A1		940 A65
Green House Gas Alternative Compliance Plan (dual, ffv, bi-fuel)	941 A1		942 A65
FFH description and emission test Plan	943 A1		944 A65
ZEV Production Report	945 A1		946 A65