

# CARB LDV E-Cert Form

Version 2.0.5.0

Please enter all data in UPPERCASE.

## Contact Information

CARB MFR Code:	<input type="text" value="ABC"/>
First Name:	<input type="text" value="JOHN"/>
Last Name:	<input type="text" value="SMITH"/>
Phone Number:	<input type="text" value="123-456-4567"/>
Email Address:	<input type="text" value="JS@ABCCOMPANY.COM"/>

## Application

### General Information

CARB MFR Code:	<input type="text" value="ABC"/>
Model Year:	<input type="text" value="2018"/>
Test Group Name:	<input type="text" value="JABCV02.0123"/>
Application Type:	<u>NEW</u>

### CSI 1

Durability Group Name:	<input type="text" value="JABCHHGCCPHE"/>
Running Change Reference Number/Name:	<input type="text"/>
CARB TG Classification:	<u>50 STATES</u>
CARB TG Interim / In-Use FTP Standard:	<u>NOT APPLICABLE</u>
CARB TG Interim / In-Use SFTP Standard:	<u>NOT APPLICABLE</u>
Federally-Certified Vehicle (Cleaner Federal Vehicle):	<u>NO, THIS TEST GROUP COMPLIES WITH CA LOW EMISSION VEHICLE STANDARDS</u>
CARB FTP Standard:	<u>LEV2 SULEV</u>

EPA FTP Standard: TIER2 BIN2  
 SFTP Standard: LEV 2 SFTP STANDARD  
 Please select a vehicle class of a TG, or a vehicle class to which the most stringent standard is applied, if multiple vehicle classes are in the TG: PASSENGER CAR  
 Does this TG meet optional LEV NOx exhaust emission standard certification for "Work Trucks"?: NO  
 TG Fuel Category: DEDICATED SINGLE FUEL VEHICLE  
 Light-Duty Specially Constructed Vehicles (SPCNS): NO, THIS TEST GROUP IS NOT SPCNS

Light-Duty Specially Constructed Vehicles Only	
Weight of Worst Case Vehicle (lbs)	N/V Ratio of Worst Case Vehicle

OBD Approval Reference Number:

CSI 1 Manufacturer Notes:

## CSI 2A

Exhaust Emissions UL Years:  Miles:

Is any model in the TG granted DOR? NO

Does NMOG Cert include DOR NMOG Credit? NO

Is any model in the TG granted Non-PZEV Zero Evap? NO

Does NMOG Cert include Non-PZEV Zero-Evap NMOG Credit? NO

Direct measurement of NMOG? NO

NMOG+NOx fleet average credit for extended warranty? NO

FTP NMOG/NMHC ratio:  HCHO/NMHC ratio:

RAF for NMOG:  RAF for Methane:

**FTP Exhaust Emissions:**

FTP Exhaust Emissions Test Fuel: GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))

If Other, Specify:

Exhaust FTP xxHC Type: NON-METHANE ORGANIC GAS (NMOG)

If Other, Specify:

Modified Test Procedure for FTP Test? (If yes, describe modification & approval ref # in FTP Manufacturer Note) NO

Does this TG have a FFH? NO

Is the FFH operable above 40°F? NOT APPLICABLE

Does FTP CERT include FFH exhaust? NOT APPLICABLE

Units: (g/mi)									
Air Pollutant	xxHC	NOx	NMOG + NOx	CO	HCHO (mg/mi)	PM	Highway NOx	Highway NMOG + NOx	Cold-CO
4K CERT (50°F)	0.0084	0.009		0.37	0.3				
4K STD (50°F)	0.020	0.02		1.0	8				
50K CERT									
50K STD									
UL CERT	0.0062	0.013		0.57			0.010		
UL STD	0.010	0.02		1.0	4	0.01	0.03		

**FTP Exhaust Emissions:**

FTP Exhaust Emissions Test Fuel: GASOLINE - COLD CO LOW OCTANE (40CFR 86.213-04)

If Other, Specify:

Exhaust FTP xxHC Type:

NON-METHANE ORGANIC GAS (NMOG)

If Other, Specify:

Modified Test Procedure for FTP Test? (If yes, describe modification & approval ref # in FTP Manufacturer Note) NO

Does this TG have a FFH? NO

Is the FFH operable above 40°F? NOT APPLICABLE

Does FTP CERT include FFH exhaust? NOT APPLICABLE

Units: (g/mi)									
Air Pollutant	xxHC	NOx	NMOG + NOx	CO	HCHO (mg/mi)	PM	Highway NOx	Highway NMOG + NOx	Cold-CO
4K CERT (50°F)									
4K STD (50°F)									
50K CERT									0.630
50K STD									10.0
UL CERT									
UL STD									

CSI 2A Manufacturer Note for FTP Exhaust Emissions:

**SFTP Exhaust Emissions:**

SFTP Exhaust Emissions Test Fuel: GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))

If Other, Specify:

Modified Test Procedure for SFTP Test? (If yes, describe modification) NO

& approval ref # in SFTP  
 Manufacturer Note)

SFTP Test Cycle	US06			SC03		Composite		
Air Pollutant	xxHC + NOx (g/mi)	CO (g/mi)	PM (mg/mi)	xxHC + NOx (g/mi)	CO (g/mi)	xxHC + NOx (g/mi)	CO (g/mi)	PM (mg/mi)
4K CERT:	0.040	1.92		0.011	0.92			
4K STD:	0.14	8.0		0.20	2.7			
UL CERT:								
UL BIN:								
UL STD:								

CSI 2A Manufacturer Note for  
 SFTP Exhaust Emissions:

## CSI 2B

### Evaporative/Refueling Emissions:

Evap Data Set Number: 1 (Select a sequential number, starting with 1 for each Evaporative Data Set.)

Evap Refuel Family: JABCR0140E13

Certification option for evaporative emissions: LEV 3 OPTION 2

Evap Emission STD Vehicle Class: PASSENGER CAR

Cert Test Fuel for Evap: CA LEV3 E10 CERT GASOLINE (CA ExTP II A 100.3.1.2)

If Other, Specify:

Cert Test Fuel for ORVR: TIER3 E10 REGULAR GASOLINE

If Other, Specify:

Modified Test Procedure for Evap Test? NO  
 (If yes, describe modification & approval ref # in Manufacturer Note)

Evap Pollutant Type: TOTAL HYDROCARBONS (THC)

	Evaporative Emissions			Zero-Fuel Evaporative Emissions (g/test)		Canister Bleed (g/test)	ORVR (g/gal)
	3-Days + Hot Soak (g/test)	2-Days + Hot Soak (g/test)	Running Loss (g/mi)	3-Days + Hot Soak	2-Days + Hot Soak		
CERT:	0.129		0.01			0.012	0.065
FEL:							
STD:	0.300	0.300	0.05			0.020	0.20

**Evaporative Emissions:**

Leak Family Identifier	Cert (inches)	Standard (inches)
JABCR0140E13-LF1	0.016	0.02

Evap UL Years:  Evap UL Miles:

ORVR UL Years:  ORVR UL Miles:

NMOG credit (g/mi) used for zero evap cert (rig test only):

Evap emissions (g/test) offset by NMOG credit for zero evap test (rig test only):

CSI 2B Manufacturer Note:

**CSI 3**

**Test Group Description:**

Engine Set Number:  (Select a sequential number, starting with 1 for each Set Number.)

Engine Location (relation to the front of the vehicle):

TG Combustion Cycle:  If Other:

Cylinder/Block Arrangement:  If Other:

Number of Cylinders/Rotors:

Engine Cooling Medium:  If Other:

Engine Displacement (L):

Intake Valves per Cylinder:	Exhaust Valves per Cylinder:
<input type="text" value="2"/>	<input type="text" value="2"/>

Engine Valvetrain:  If Other:

Intake Variable Valve Timing (VVT):

Exhaust Variable Valve Timing:

(VVT):  
 Intake Valve Lift: FIXED 3 (MORE THAN TWO OR CONTINUOUS) Exhaust Valve Lift: FIXED 3 (MORE THAN TWO OR CONTINUOUS)  
 Cylinder Deactivation: NO

Engine Special Features 1	Engine Special Features 2
<u>ENGINE STOP START WITH DISABLEMENT BUTTON/SWITCH (NON-LATCHING)</u>	<u>NOT APPLICABLE</u>

TG Operating Fuel	TG Fuel Metering	TG Fuel Metering (If Other)	Rated Power (hp)	@RPM	Peak Torque (foot-pounds)	@RPM
<u>GASOLINE</u>	<u>DIRECT FUEL INJECTION</u>		260	5,250	295	2,500

CSI 3 Manufacturer Note:

**CSI 4 (All fields in red are considered CBI)**

**Exhaust Emissions Control System (ECS) Information:**

ECS Set Number: 1 (Select a sequential number, starting with 1 for each Set Number.)  
 Electronic Controls: ECM If Other:  
 ECS Configuration: DFI, TWC, HO2S, WR-HO2S  
 Exhaust Gas Recirculation (EGR): NO  
 Cooled EGR: NOT APPLICABLE  
 EGR Type: NOT APPLICABLE If Other:  
 Air Aspiration Method in the TG: NATURALLY ASPIRATED If Other:  
 Number of Air Aspiration Devices:  
 Air Aspiration Configuration: NONE

Charge Air Cooler Type: NOT APPLICABLE  
Number of Charge Air Coolers:   
Charge Air Cooler Configuration: NONE  
Air Injection: NOT APPLICABLE If Other:  
Direct Ozone Reduction (DOR) Device: NO  
Total Number of Physical Container(s) of ATD(s): 1  
This ECS Set is used for Production Vehicles: YES  
This ECS Set is used for EDV: YES  
This ECS Set is used for DDV: YES  
CSI 4 Manufacturer Note:

**After-Treatment Device (ATD) Information:**

ATD Container Number: 1 (Select a sequential number, starting with 1 for each ATD container.)  
After-Treatment Type: THREE-WAY CATALYST  
200k Miles Extended Warranty for Particulate Filter: NO: PARTICULATE FILTER DOES NOT HAVE 200K MI EXTENDED WARRANTY

**Total Number of Physical Substrates (bricks) in this container:**

**ATD Note:**

### Brick (Substrate) Information:

<b>Size of Substrate (liters):</b>	<input type="text" value="2.4"/>	
<b>Substrate Precious Metals:</b>	<input type="text" value="PLATINUM/PALLADIUM"/>	<b>If</b>
<b>Substrate Material:</b>	<input type="text" value="CERAMIC"/>	<b>Other:</b>
<b>Substrate Construction:</b>	<input type="text" value="MONOLITH"/>	<b>If</b>
<b>Cell Geometry:</b>	<input type="text" value="HONEYCOMB"/>	<b>Other:</b>
<b>Substrate Cell Density (# of cells / in<sup>2</sup>):</b>	<input type="text" value="300"/>	
<b>Substrate Specific Active Surface Area (m<sup>2</sup>/liter):</b>	<input type="text" value="30,000"/>	
<b>Precious Metal Loading Rate (g/liter):</b>	<input type="text" value="2.0"/>	
<b>Precious Metal Composition:</b>	<input type="text" value="4:1"/>	
<b>Uniform Loading of Precious Metals?</b>	<input type="text" value="YES"/>	

### Exhaust Feedback Sensor Information:

Sensor Type:	<input type="text" value="WIDE RANGE/LINEAR/AIR-FUEL RATIO HEATED OXYGEN SENSOR"/>
Sensor Type:	<input type="text" value="HEATED OXYGEN SENSOR"/>

### Other Sensor Information:

Sensor Type:	<input type="text" value="KNOCK (DETONATION) SENSOR"/>
If Other, Specify:	
Number of Sensors:	<input type="text" value="1"/>

## CSI 5A (All fields in red are considered CBI)

### Exhaust Emission Data Vehicle (EDV) Information:

EDV Set Number:	<input type="text" value="1"/>	(Select a sequential number, starting with 1 for each Set Number.)
Test Group Name:	<input type="text" value="JABCV02.0123"/>	

EDV Division Name:	ABC COMPANY	
EDV Model Name:	G11	
EDV Test Vehicle ID:	GAS-001	
EDV Test Data Type:	<u>NEW TEST DATA</u>	
Original TG of EDV:		
Original Evap Family of EDV:		
EDV Engine Code:	01	
EDV Displacement (liters):	2.0	
EDV Cylinder (Block) Arrangement:	<u>INLINE</u>	
If Other, Specify:		
EDV Number of Cylinders:	4	
EDV Number of Intake Valves per Cylinder:	2	
EDV Number of Exhaust Valves per Cylinder:	2	
EDV Drive System:	<u>FRONT WHEEL DRIVE</u>	
EDV N/V Ratio:	32.2	
EDV Curb Weight (lb):	3428	
EDV LVW (lb):	3728	
EDV ALVW (lb):	3947	
EDV ETW (lb):	3750	
EDV GVWR (lb):	4465	
EDV ECS Set Number:	1	(enter the ECS set number from CSI 4)
EDV Rated Power (hp):	260	@ RPM: 5,250
EDV Transmission Type:	<u>SEMI-AUTOMATIC</u>	
EDV Number of Transmission Gears:	6	
Alternate Shift:	<u>NO</u>	
Shift Indicator Lamp (SIL):	<u>NO</u>	

Transmission Shift Mode for Exhaust Emission Test: NORMAL If Other:

**ATD Grouping Statistic of EDV:** 6.7

Tire Size: Front:  Rear:

**Raw Test Results without DF:**

Test Type: FEDERAL TEST PROCEDURE (FTP)  
 Tested By: MANUFACTURER  
 Test ID:   
 Test Date:   
 Exh Test Fuel: GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))  
 If Other, Specify:   
 Tested For: CERTIFICATION  
 Target Coefficient A (lb<sub>f</sub>):   
 Target Coefficient B (lb<sub>f</sub>/mph):   
 Target Coefficient C (lb<sub>f</sub>/mph<sup>2</sup>):   
 PHEV Operating Mode: NOT APPLICABLE  
 Is this the official certification test?: YES

THC (g/mi)	NMHC (g/mi)	NMOG (g/mi)	NOx (g/mi)	CO (g/mi)	HCHO (mg/mi)	PM (g/mi)	CO <sub>2</sub> (g/mi)	MPG	CH <sub>4</sub> (g/mi)	N <sub>2</sub> O (g/mi)
0.01152		0.00600	0.0054	0.3725			302.82	23.7	0.00139	0.01

**Raw Test Results without DF:**

Test Type: COLD-CO (20F)  
 Tested By: MANUFACTURER  
 Test ID:   
 Test Date:   
 Exh Test Fuel: GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))  
 If Other, Specify:   
 Tested For:

CERTIFICATION

Target Coefficient A (lb<sub>f</sub>): 56.3  
 Target Coefficient B (lb<sub>f</sub>/mph): -0.312  
 Target Coefficient C (lb<sub>f</sub>/mph<sup>2</sup>): 0.02439  
 PHEV Operating Mode: NOT APPLICABLE  
 Is this the official certification test?: YES

THC (g/mi)	NMHC (g/mi)	NMOG (g/mi)	NOx (g/mi)	CO (g/mi)	HCHO (mg/mi)	PM (g/mi)	CO <sub>2</sub> (g/mi)	MPG	CH <sub>4</sub> (g/mi)	N <sub>2</sub> O (g/mi)
0.05906			0.0128	0.55			376.21	26.4	0.0068	

**Raw Test Results without DF:**

Test Type: HIGHWAY CYCLE (HWY)  
 Tested By: MANUFACTURER  
 Test ID: JABC10019017  
 Test Date: 1/18/2013  
 Exh Test Fuel: GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))  
 If Other, Specify:   
 Tested For: CERTIFICATION  
 Target Coefficient A (lb<sub>f</sub>): 50.7  
 Target Coefficient B (lb<sub>f</sub>/mph): -0.306  
 Target Coefficient C (lb<sub>f</sub>/mph<sup>2</sup>): 0.02195  
 PHEV Operating Mode: NOT APPLICABLE  
 Is this the official certification test?: YES

THC (g/mi)	NMHC (g/mi)	NMOG (g/mi)	NOx (g/mi)	CO (g/mi)	HCHO (mg/mi)	PM (g/mi)	CO <sub>2</sub> (g/mi)	MPG	CH <sub>4</sub> (g/mi)	N <sub>2</sub> O (g/mi)
0.00049			0.0015				187.12	46.1	0.00001	0.001

**Raw Test Results without DF:**

Test Type: SFTP-SC03

Tested By: MANUFACTURER  
 Test ID: JABC100109020  
 Test Date: 1/20/2013  
 Exh Test Fuel: GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))  
 If Other, Specify:   
 Tested For: CERTIFICATION  
 Target Coefficient A (lb<sub>f</sub>): 50.7  
 Target Coefficient B (lb<sub>f</sub>/mph): -0.306  
 Target Coefficient C (lb<sub>f</sub>/mph<sup>2</sup>): 0.02195  
 PHEV Operating Mode: NOT APPLICABLE  
 Is this the official certification test?: YES

THC (g/mi)	NMHC (g/mi)	NMOG (g/mi)	NOx (g/mi)	CO (g/mi)	HCHO (mg/mi)	PM (g/mi)	CO <sub>2</sub> (g/mi)	MPG	CH <sub>4</sub> (g/mi)	N <sub>2</sub> O (g/mi)
	0.0084		0.0026	0.9200			403.58	20.9	0.00249	

**Raw Test Results without DF:**

Test Type: SFTP-US06 (FULL)  
 Tested By: MANUFACTURER  
 Test ID: JABC100109022  
 Test Date: 1/22/2013  
 Exh Test Fuel: GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))  
 If Other, Specify:   
 Tested For: CERTIFICATION  
 Target Coefficient A (lb<sub>f</sub>): 50.7  
 Target Coefficient B (lb<sub>f</sub>/mph): -0.307  
 Target Coefficient C (lb<sub>f</sub>/mph<sup>2</sup>): 0.02185  
 PHEV Operating Mode: NOT APPLICABLE  
 Is this the official certification test?: YES

THC (g/mi)	NMHC (g/mi)	NMOG (g/mi)	NOx (g/mi)	CO (g/mi)	HCHO (mg/mi)	PM (g/mi)	CO <sub>2</sub> (g/mi)	MPG	CH <sub>4</sub> (g/mi)	N <sub>2</sub> O (g/mi)
	0.0336		0.0064	1.9210			301.84	27.8	0.00352	

**Raw Test Results without DF:**

Test Type: 50F  
 Tested By: MANUFACTURER  
 Test ID: JABC100109025  
 Test Date: 2/1/2013  
 Exh Test Fuel: GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))  
 If Other, Specify:   
 Tested For: CERTIFICATION  
 Target Coefficient A (lb<sub>f</sub>): 50.7  
 Target Coefficient B (lb<sub>f</sub>/mph): -0.306  
 Target Coefficient C (lb<sub>f</sub>/mph<sup>2</sup>): 0.02195  
 PHEV Operating Mode: NOT APPLICABLE  
 Is this the official certification test?: YES

THC (g/mi)	NMHC (g/mi)	NMOG (g/mi)	NOx (g/mi)	CO (g/mi)	HCHO (mg/mi)	PM (g/mi)	CO <sub>2</sub> (g/mi)	MPG	CH <sub>4</sub> (g/mi)	N <sub>2</sub> O (g/mi)
	0.00840		0.0091	0.374			350.004		0.00451	

CSI 5A Manufacturer Note:

**CSI 5B (All fields in red are considered CBI)**

**Durability Data Vehicle (DDV) and Emission Test Data:**

DDV Set Number:  (Select a sequential number, starting with 1 for each Set Number.)

MFR Vehicle ID:

Durability Group Method:

DDV ECS Set Number (From CSI 4):

**ATD Grouping Statistic:**  (ATD grouping statistic for this set of ATDs used for the DDV)

**Max ATD Grouping Statistic:**  (Maximum ATD grouping statistic for the durability group of the DDV)

**Min ATD Grouping Statistic:**  (Minimum ATD grouping statistic for the durability group of the DDV)

Durability Data Type:

Original Durability Group Name:

Aging Method:

Manufacturer ADP CARB Approval Ref #:

Durability Group Equivalency Factor:

ADP/Bench-aged Components:

Durability Group Operating Fuel	Durability Group Fuel Metering	Durability Group Fuel Metering Other
<u>GASOLINE</u>	<u>DIRECT FUEL INJECTION</u>	

**Raw Exhaust Emission Test Results:**

Exhaust Test Date:

Test Point Mile:

MFR Test ID Number:

Exh Durability Test Fuel: GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))

If Other:

DF Emissions Test Type: FEDERAL TEST PROCEDURE (FTP)

PHEV Operating Mode: NOT APPLICABLE (PHEV test only)

THC (g/mi)	NMHC (g/mi)	NMOG (g/mi)	NOx (g/mi)	CO (g/mi)	HCHO (mg/mi)	PM (g/mi)	CO <sub>2</sub> (g/mi)	CH <sub>4</sub> (g/mi)	N <sub>2</sub> O (g/mi)
	0.07134	0.0742	0.007	0.37			385.2	0.00148	0.01

**Raw Exhaust Emission Test Results:**

Exhaust Test Date:

Test Point Mile:

MFR Test ID Number:

Exh Durability Test Fuel: GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))

If Other:

DF Emissions Test Type: FEDERAL TEST PROCEDURE (FTP)

PHEV Operating Mode: NOT APPLICABLE (PHEV test only)

THC (g/mi)	NMHC (g/mi)	NMOG (g/mi)	NOx (g/mi)	CO (g/mi)	HCHO (mg/mi)	PM (g/mi)	CO <sub>2</sub> (g/mi)	CH <sub>4</sub> (g/mi)	N <sub>2</sub> O (g/mi)
	0.0715	0.0744	0.015	0.57			403.1	0.00200	0.01

**Deterioration Factors (DF):**

DF Emissions Test Type: FEDERAL TEST PROCEDURE (FTP)

DF Type: ADDITIVE DF (NON-NEGATIVE)

	<b>(Units for Additive DF: mg/mi for HCHO, g/mi for all others)</b>							
	NMHC	NMOG	NOx	Highway NOx	CO	HCHO	PM	Cold-CO
50K DF								
UL DF		0.0002	0.008	0.008	0.20			

**Deterioration Factors (DF):**

DF Emissions Test Type: COLD-CO (20F)

DF Type: ADDITIVE DF (NON-NEGATIVE)

	<b>(Units for Additive DF: mg/mi for HCHO, g/mi for all others)</b>							

	NMHC	NMOG	NOx	Highway NOx	CO	HCHO	PM	Cold-CO
50K DF								0.08
UL DF	0.0002							

CSI 5B Manufacturer Notes:

## CSI 6A

### Evaporative Family Description:

Evap Family Set Number: 1 (Select a sequential number, starting with 1 for each Set Number.)

Evap Family: JABCR0140E13

ORVR Type: INTEGRATED

Fill Pipe Seal Mechanism: MECHANICAL If Other:

Fill Pipe Compliant: YES

Tank Material: HDPE (HIGH-DENSITY POLYETHYLENE)

If Other, Specify:

Tank Temperature Profile Development: TRACK DRIVING

Approval # (Environmental Chamber only):

Zero Evap Compliance: NO

Is the vehicle a PZEV?: NO

HC Capture Method for Canister Bleed Test: Select...

<u>Evap Family Operating Fuel</u>	<u>Evap Family Operating Fuel Other</u>
<u>GASOLINE</u>	<input type="text"/>

### Canister Information:

Canister Type: MAIN CANISTER

Number of Canisters:   
Canister Configuration: SINGLE  
Total Butane Working Capacity (g):   
Canister Total Bed Volume (cc):   
Canister Storage Medium: ACTIVATED CARBON  
Canister Notes:

**Canister Information:**

Canister Type: HYDROCARBON TRAP  
Number of Canisters:   
Canister Configuration: SINGLE  
Total Butane Working Capacity (g):   
Canister Total Bed Volume (cc):   
Canister Storage Medium: ACTIVATED CARBON  
Canister Notes:

**Fuel Tank Information:**

Fuel Tank Set Number: 1 (Select a sequential number, starting with 1 for each Set Number.)  
Used for Production Vehicle: YES  
Used for Evap EDV: YES  
Used for Evap DDV: YES

Number Of Fuel Tanks:   
40%-Fill Total Fuel Tank(s) Capacity (Gallons):   
100%-Fill Total Fuel Tank(s) Capacity (Gallons):   
Fuel Tank(s) Total Geometric Volume (Gallons):

Fuel Tank Notes:

CSI 6A Manufacturer Note:

## CSI 6B

### Evaporative Refueling Emission Data Vehicle (EDV) Information:

Evap EDV Set Number:  (Select a sequential number, starting with 1 for each Set Number.)  
Evap Family Name:   
Evap Test Vehicle ID:   
Evap Test Vehicle Model:   
EDV Evap Type:   
Original Evap Family of Evap EDV:   
TG of Evap EDV:   
Evap Test Vehicle Engine Code:   
Displacement (liters):

Rated Power (hp):	210	@RPM: 6,500
Cylinder (Block) Arrangement:	<u>INLINE</u>	
If Other, Specify:	<input type="text"/>	
Number of Cylinders:	4	
Transmission:	<u>SEMI-AUTOMATIC</u>	
If Other, Specify:	<input type="text"/>	
Number of Transmission Gears:	6	
Target Coefficient A (lb <sub>f</sub> ):	42.9	
Target Coefficient B (lb <sub>f</sub> /mph):	-0.347	
Target Coefficient C (lb <sub>f</sub> /mph <sup>2</sup> ):	0.2168	
Tire Size	Front: P225/50R14	Rear: P225/50R14
Curb Weight (lb):	3428	
LVW (lb):	<input type="text"/>	
ALVW (lb):	<input type="text"/>	
ETW (lb):	3750	
GVWR (lb):	4,465	
Fuel Tank Set Number (From CSI6A):	1	
<b>Raw Evaporative Refueling Test Results:</b>		
Evap Test Type:	<u>3-DAYS + HOT SOAK (WHOLE VEHICLE, G/TEST)</u>	
Evap Test Date:	2/1/2016	
Evap Test ID Number:	JABC19010089	
Tested By:	<u>MANUFACTURER</u>	
Evap Test Fuel:	<u>GASOLINE - CA PHASE 2 (CA ExTP II A 100.3.1.1)</u>	
If Other, Specify:	<input type="text"/>	
Official Cert Test:	<u>YES</u>	
Tested For:	<u>CERTIFICATION</u>	
R/L Test:		
Test Procedure:		

Evap Pollutant Type: CARB  
TOTAL HYDROCARBONS (THC)

	1 <sup>st</sup> Day	2 <sup>nd</sup> Day	3 <sup>rd</sup> Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	0.094	0.063	0.060	0.025
Raw Evap Test for 2D+HS (g/test)				

Raw Evap Test for Running Loss (g/mi):

Raw Evap Test for ORVR (g/gallon):

Raw Evap Test for Canister Bleed (g/test):

**Raw Evaporative Refueling Test Results:**

Evap Test Type: RUNNING LOSS (G/MI)

Evap Test Date:

Evap Test ID Number:

Tested By: MANUFACTURER

Evap Test Fuel: GASOLINE - CA PHASE 2 (CA ExTP II A 100.3.1.1)

If Other, Specify:

Official Cert Test: YES

Tested For: CERTIFICATION

R/L Test: POINT SOURCE

Test Procedure: CARB

Evap Pollutant Type: TOTAL HYDROCARBONS (THC)

	1 <sup>st</sup> Day	2 <sup>nd</sup> Day	3 <sup>rd</sup> Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)				
Raw Evap Test for 2D+HS (g/test)				

Raw Evap Test for Running Loss (g/mi):

Raw Evap Test for ORVR (g/gallon):

Raw Evap Test for Canister Bleed (g/test):

**Raw Evaporative Refueling Test Results:**

Evap Test Type: ON-BOARD REFUELING VAPOR RECOVERY (G/GALLON)

Evap Test Date:

Evap Test ID Number:

Tested By: MANUFACTURER

Evap Test Fuel: GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))

If Other, Specify:

Official Cert Test: YES

Tested For: CERTIFICATION

R/L Test:

Test Procedure: CARB

Evap Pollutant Type: TOTAL HYDROCARBONS (THC)

	1 <sup>st</sup> Day	2 <sup>nd</sup> Day	3 <sup>rd</sup> Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Raw Evap Test for 2D+HS (g/test)	<input type="text"/>	<input type="text"/>		<input type="text"/>

Raw Evap Test for Running Loss (g/mi):

Raw Evap Test for ORVR (g/gallon):

Raw Evap Test for Canister Bleed (g/test):

**Effective Leak Diameter Test Results:**

Evap Test Type: EFFECTIVE LEAK DIAMETER TEST (INCHES)

Test ID #	Test Date	Alternate TP?	Vgas (m <sup>3</sup> /s)	Pin (kPa)	Patm (kPa)	T (K)	Leak Diameter (inches)
<b>LDT001</b>	<b>4/25/2016</b>	<b>NO</b>	<b>0.00001</b>	<b>107.2</b>	<b>101.3</b>	<b>298.2</b>	<b>0.0160</b>

CSI 6B Manufacturer Note:

## CSI 6C

### Evaporative DDV and Durability Test Information:

Evaporative DDV Set Number:	<input type="text" value="1"/>	(Select a sequential number, starting with 1 for each Set Number.)
Evaporative Family:	<input type="text" value="JABCR0140E13"/>	
Evap DF Type:	<input type="text" value="MANUFACTURER DF"/>	
DDV Evap Type:	<input type="text" value="CARRYOVER AN EXACT APPLICATION FROM A PREVIOUSLY CERTIFIED TEST GROUP (WHERE ALL INFORMATION ARE THE SAME, COMPLETE DATA SET MUST BE SUBMITTED)"/>	
Evap Family of Evap DDV:	<input type="text" value="EABCR0140E13"/>	
TG of Evap DDV:	<input type="text" value="EABCV02.0123"/>	
Evap DDV Test Vehicle Model:	<input type="text" value="MODEL 1"/>	
Displacement (liters):	<input type="text" value="2.0"/>	
Fuel Tank Set Number (From CSI6A):	<input type="text" value="1"/>	
Evaporative DDV Note:	<div style="border: 1px solid black; height: 150px;"></div>	

### Durability Information:

Evaporative Durability Info Number:	<input type="text" value="1"/>	(Select a sequential number, starting with 1 for each Set Number.)
Durability Information Type:	<input type="text" value="BENCH INFORMATION"/>	
Manufacturer Durability Set (Bench/Vehicle/Rig Test) ID:	<input type="text" value="1"/>	(Start with 1 and increment to the total number of different evaporative durability test)
Vehicle Test ID:		

(Vehicle Evap DF Test Only)  
 Evaporative Test Type: 3-DAYS + HOT SOAK (WHOLE VEHICLE, G/TEST)  
 Test ID Number:   
 Test Point (miles):   
 Test Date:   
 Evap Durability Test Fuel: GASOLINE - CA PHASE 2 (CA ExTP II A 100.3.1.1)  
 If Other, Specify:

	1 <sup>st</sup> Day	2 <sup>nd</sup> Day	3 <sup>rd</sup> Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	0.0196	0.0194	0.0180	0.0228
Raw Evap Test for 2D+HS (g/test)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Raw Evap Test for Running Loss (g/mi):   
 Raw Evap Test for ORVR (g/gallon):   
 Used For DF Calculation: YES

Manufacturer Durability Set 2 (Start with 1 and increment to the total number of different evaporative durability test)  
 (Bench/Vehicle/Rig Test) ID:

Vehicle Test ID:  (Vehicle Evap DF Test Only)  
 Evaporative Test Type: 3-DAYS + HOT SOAK (WHOLE VEHICLE, G/TEST)  
 Test ID Number:   
 Test Point (miles):   
 Test Date:   
 Evap Durability Test Fuel: GASOLINE - CA PHASE 2 (CA ExTP II A 100.3.1.1)  
 If Other, Specify:

	1 <sup>st</sup> Day	2 <sup>nd</sup> Day	3 <sup>rd</sup> Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	0.0296	0.0294	0.0280	0.0228
Raw Evap Test for 2D+HS	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

(g/test)  

Raw Evap Test for Running Loss (g/mi):

Raw Evap Test for ORVR (g/gallon):

Used For DF Calculation: YES

Manufacturer Durability Set (Bench/Vehicle/Rig Test) ID: 3 (Start with 1 and increment to the total number of different evaporative durability test)

Vehicle Test ID:  (Vehicle Evap DF Test Only)

Evaporative Test Type: RUNNING LOSS (G/MI)

Test ID Number:

Test Point (miles):

Test Date:

Evap Durability Test Fuel: GASOLINE - CA PHASE 2 (CA ExTP II A 100.3.1.1)

If Other, Specify:

	1 <sup>st</sup> Day	2 <sup>nd</sup> Day	3 <sup>rd</sup> Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Raw Evap Test for 2D+HS (g/test)	<input type="text"/>	<input type="text"/>		<input type="text"/>

Raw Evap Test for Running Loss (g/mi):

Raw Evap Test for ORVR (g/gallon):

Used For DF Calculation: YES

Manufacturer Durability Set (Bench/Vehicle/Rig Test) ID: 4 (Start with 1 and increment to the total number of different evaporative durability test)

Vehicle Test ID:  (Vehicle Evap DF Test Only)

Evaporative Test Type: RUNNING LOSS (G/MI)

Test ID Number:

Test Point (miles):

Test Date:   
 Evap Durability Test Fuel: GASOLINE - CA PHASE 2 (CA ExTP II A 100.3.1.1)  
 If Other, Specify:

	1 <sup>st</sup> Day	2 <sup>nd</sup> Day	3 <sup>rd</sup> Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Raw Evap Test for 2D+HS (g/test)	<input type="text"/>	<input type="text"/>		<input type="text"/>

Raw Evap Test for Running Loss (g/mi):   
 Raw Evap Test for ORVR (g/gallon):   
 Used For DF Calculation: YES

Manufacturer Durability Set (Bench/Vehicle/Rig Test) ID: 5 (Start with 1 and increment to the total number of different evaporative durability test)

Vehicle Test ID:  (Vehicle Evap DF Test Only)

Evaporative Test Type: ON-BOARD REFUELING VAPOR RECOVERY (G/GALLON)

Test ID Number:

Test Point (miles):

Test Date:

Evap Durability Test Fuel: GASOLINE - CA PHASE 2 (CA ExTP II A 100.3.1.1)  
 If Other, Specify:

	1 <sup>st</sup> Day	2 <sup>nd</sup> Day	3 <sup>rd</sup> Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Raw Evap Test for 2D+HS (g/test)	<input type="text"/>	<input type="text"/>		<input type="text"/>

Raw Evap Test for Running Loss (g/mi):   
 Raw Evap Test for ORVR (g/gallon):   
 Used For DF Calculation: YES

Manufacturer Durability Set 6 (Start with 1 and increment to the total number of different evaporative durability test)

(Bench/Vehicle/Rig Test) ID:

Vehicle Test ID:  (Vehicle Evap DF Test Only)

Evaporative Test Type: ON-BOARD REFUELING VAPOR RECOVERY (G/GALLON)

Test ID Number:

Test Point (miles):

Test Date:

Evap Durability Test Fuel: GASOLINE - CA PHASE 2 (CA ExTP II A 100.3.1.1)

If Other, Specify:

	1 <sup>st</sup> Day	2 <sup>nd</sup> Day	3 <sup>rd</sup> Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Raw Evap Test for 2D+HS (g/test)	<input type="text"/>	<input type="text"/>		<input type="text"/>

Raw Evap Test for Running Loss (g/mi):

Raw Evap Test for ORVR (g/gallon):

Used For DF Calculation: YES

**Deterioration Factors (DF):**

	3-Days + Hot Soak (g/test)	2-Days + Hot Soak (g/test)	Running Loss (g/mi)	ORVR (g/gallon)
Overall Bench Evap DF:	0.010	<input type="text"/>	0.000	0.000
Vehicle Evap DF:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Overall Certification Evap DF:	0.010	<input type="text"/>	0.000	0.000

Bench DF Manufacturer Notes:

Vehicle DF Manufacturer Notes:

**CSI 7 (All fields in red are considered CBI)**

**Vehicle Model Summary:**

Model Number:	<u>1</u>	(Select a sequential number, starting with 1 for each Model Number.)
Vehicle Make:	ABC COMPANY	
Carline Name:	G11	
Badge Name:	G11	
Body Style:	SEDAN	
MFR Model Code:	01	
Trim Level (i.e., CE, LE, etc):	LE, LX	
Vehicle Class:	PASSENGER CAR	
ECS Set Number (From CSI 4):	1	
Engine Code:	01	
Engine Set Number (From CSI 3):	1	
Evap Family:	JABCR0140E13	
Leak Family Identifier: (From CSI 2B)	JABCR0140E13-LF1	
Min Curb Weight (lbs):	3420	

Max Curb Weight (lbs): 3450  
Min ETW (lbs): 3750  
Max ETW (lbs): 3750  
Min GVWR (lbs): 4460  
Max GVWR (lbs): 4480  
Drive System: FRONT WHEEL DRIVE

**Electric Drive Motor Set # (From CSI 10A):**

HEV Test Vehicle ID: (From CSI 10A)  
Regenerative Braking: NOT APPLICABLE  
Modified Test Procedure: NO  
Shift Indicator Lamp (SIL): NO  
Driver Selectable Modes: YES  
If Yes, Describe the Modes: NORMAIL, ECO, SPORT

Manufacturer Shift Schedule No. (City, Hwy, US06, SC03):  
Label Type: 50 STATES

**CA Projected Sales:** 1000  
**Section 177 States Projected Sales:** 1050

NMOG Credit Non PZEV Zero Evap: 0  
NMOG Credit DOR Vehicle: 0

**PZEV Allowances:**  
Baseline PZEV Allowance: 0  
Zero Emissions VMT Allowance: 0

**Advanced ZEV Componentry Allowance:**

High Pressure Gaseous or Hydrogen Fuel Storage:

Qualifying HEV Electric Drive System: NOT APPLICABLE

Allowance for Qualifying HEV Electric Drive System:

Fuel Cycle Emissions:

Hydrogen Internal Combustion Engine:

Allowance for US06 Capability:

**Model Type:**

Transmission Set Number:  (Select a sequential number, starting with 1 for each Transmission Set Number.)

Transmission Type:  If Other, Specify:

Transmission Gear #:

Model Type:

**Axle Ratio**

Evap Family Set Number (From CSI 6A)	Fuel Tank Set Number (From CSI 6A)
<input type="text" value="1"/>	<input type="text" value="1"/>

CSI 7 Manufacturer Note:

**CSI 10A**

**CSI 10B (All fields in red are considered CBI)**