

CARB LDV E-Cert Form

Version 2.0.5.0

Please enter all data in UPPERCASE.

Contact Information

CARB MFR Code:	ARB
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Application

General Information

CARB MFR Code:	ARB
Model Year:	2014
Test Group Name:	EPQRJ03.6APS
Application Type:	<u>NEW</u>

CSI 1

Durability Group Name:	EPQRGPG30FGE
Running Change Reference Number/Name:	
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>YES, THIS TEST GROUP COMPLIES WITH CLEANER FEDERAL STANDARDS (BIN)</u>
CARB FTP Standard:	<u>LEV2 ULEV</u>

EPA FTP Standard: TIER2 BIN4
 SFTP Standard: EPA TIER2 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: FLEX-FUEL VEHICLE (FFV)
 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: E-13-000

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)									
4K STD (50°F)									
50K CERT									
50K STD									
UL CERT	0.0520	0.032		1.47			0.006		
UL STD	0.070	0.04		2.1	11	0.01	0.05		

FTP Exhaust Emissions:

FTP Exhaust Emissions Test Fuel: E85 - 85% ETHANOL + 15% TIER 2 UNLEADED GAS (EPA)

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? NO

Does FTP CERT include FFH exhaust? NO

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									
50K STD									
UL CERT	0.0490	0.016		0.60	1.0		0.004		
UL STD	0.070	0.04		2.1	11	0.01	0.05		

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? NO

Does FTP CERT include FFH

exhaust? NO

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									1.54
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 & approval ref # in SFTP Manufacturer Note) NO

SFTP Test Cycle	US06			SC03		Composite		
	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:	0.100	1.80		0.110	1.30			
4K STD:								

	0.14	8.0		0.20	2.7			
UL CERT:		1.80			1.30	0.09		
UL BIN:								
UL STD:		11.1			3.7	0.63		

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: EPQRR0130AKP

Certification option for evaporative emissions: LEV 2

Evap Emission STD Vehicle Class: PASSENGER CAR

Cert Test Fuel for Evap: E10 - 10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)

If Other, Specify:

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

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:	0.483	0.393	0.001				0.088
FEL:							
STD:	0.50	0.65	0.05				0.20

Evaporative Emissions:

Leak Family Identifier	Cert (inches)	Standard (inches)
Evap UL Years: <u>15</u>	Evap UL Miles: <u>150000</u>	
ORVR UL Years: <u>10</u>	ORVR UL Miles: <u>120000</u>	
NMOG credit (g/mi) used for zero evap cert (rig test only): <u></u>		

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

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

TG Combustion Cycle: 4-STROKE SPARK IGNITION If Other:

Cylinder/Block Arrangement: V-SHAPED ENGINE If Other:

Number of Cylinders/Rotors:

Engine Cooling Medium: LIQUID 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: DUAL OVERHEAD CAM If Other:

Intake Variable Valve Timing (VVT): FIXED 1 (ONLY ONE VALVE TIMING)

Exhaust Variable Valve Timing (VVT): FIXED 1 (ONLY ONE VALVE TIMING)

Intake Valve Lift: FIXED 1 (ONLY ONE VALVE LIFT) Exhaust Valve Lift: FIXED 1 (ONLY ONE VALVE LIFT)

Cylinder Deactivation: NO

Engine Special Features 1	Engine Special Features 2
<u>NOT APPLICABLE</u>	<u>NOT APPLICABLE</u>

TG Operating Fuel	TG Fuel Metering	TG Fuel Metering	Rated Power	@RPM	Peak Torque (foot-pounds)	@RPM

		(If Other)	(hp)			
<u>GASOLINE</u>	<u>SEQUENTIAL MULTIPOINT FUEL INJECTION</u>		283	6,350	260	6,000
<u>85% ETHANOL</u>	<u>SEQUENTIAL MULTIPOINT FUEL INJECTION</u>		283	6,360	260	6,000

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: 2HO2S(2), 2TWC, SFI

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): 2

This ECS Set is used for Production YES

Vehicles:

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: Select...

Total Number of Physical Substrates (bricks) in this container: 1

ATD Note:

MANUFACTURED BY ZZYZX CORP

Brick (Substrate) Information:

Size of Substrate (liters): 0.6

Substrate Precious Metals: PLATINUM/RHODIUM

Substrate Material: CERAMIC

Substrate Construction: MONOLITH

Cell Geometry: SQUARE

**If
Other:
If
Other:
If
Other:
If**

Other:

Substrate Cell Density (# of cells / in²): 580
Substrate Specific Active Surface Area (m²/liter): 800
Precious Metal Loading Rate (g/liter): 2.46
Precious Metal Composition: 2.3/0.16
Uniform Loading of Precious Metals? YES

ATD Container Number: 2 (Select a sequential number, starting with 1 for each ATD container.)

After-Treatment Type: THREE-WAY CATALYST

200k Miles Extended Warranty for Particulate Filter: Select...

Total Number of Physical Substrates (bricks) in this container: 1

ATD Note: MANUFACTURED BY ZZYZX

Brick (Substrate) Information:

Size of Substrate (liters): 0.6

Substrate Precious Metals: PLATINUM/RHODIUM

If Other:

Substrate Material: CERAMIC

If Other:

Substrate Construction: MONOLITH

If Other:

Cell Geometry: HONEYCOMB

If

Other:

Substrate Cell Density (# of cells / in²): 580
Substrate Specific Active Surface Area (m²/liter): 800
Precious Metal Loading Rate (g/liter): 2.46
Precious Metal Composition: 2.3/0.16
Uniform Loading of Precious Metals? YES

Exhaust Feedback Sensor Information:

Sensor Type: HEATED OXYGEN SENSOR

Other Sensor Information:

Sensor Type: Select...

If Other, Specify:

Number of Sensors:

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

Exhaust Emission Data Vehicle (EDV) Information:

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

Test Group Name:

EDV Division Name:

EDV Model Name:

EDV Test Vehicle ID:

EDV Test Data Type: CARRYOVER DATA

Original TG of EDV:

Original Evap Family of EDV:

EDV Engine Code:

EDV Displacement (liters):

EDV Cylinder (Block) Arrangement:	<u>V-SHAPED ENGINE</u>	
If Other, Specify:	<input type="text"/>	
EDV Number of Cylinders:	<input type="text" value="6"/>	
EDV Number of Intake Valves per Cylinder:	<input type="text" value="2"/>	
EDV Number of Exhaust Valves per Cylinder:	<input type="text" value="2"/>	
EDV Drive System:	<u>FRONT WHEEL DRIVE</u>	
EDV N/V Ratio:	<input type="text" value="26.2"/>	
EDV Curb Weight (lb):	<input type="text" value="4000"/>	
EDV LVW (lb):	<input type="text" value="4300"/>	
EDV ALVW (lb):	<input type="text" value="4600"/>	
EDV ETW (lb):	<input type="text" value="4250"/>	
EDV GVWR (lb):	<input type="text" value="5200"/>	
EDV ECS Set Number:	<input type="text" value="1"/>	(enter the ECS set number from CSI 4)
EDV Rated Power (hp):	<input type="text" value="283"/>	@ RPM: <input type="text" value="6,250"/>
EDV Transmission Type:	<u>AUTOMATIC (WITH LOCKUP)</u>	
EDV Number of Transmission Gears:	<input type="text" value="6"/>	
Alternate Shift:	<u>NO</u>	
Shift Indicator Lamp (SIL):	<u>NO</u>	
Transmission Shift Mode for Exhaust Emission Test:	<u>NORMAL</u>	If Other: <input type="text"/>
ATD Grouping Statistic of EDV:	2.5	
Tire Size:	Front: <input type="text" value="265/65R17"/>	Rear: <input type="text" value="265/65R17"/>
Raw Test Results without DF:		
Test Type:	<u>FEDERAL TEST PROCEDURE (FTP)</u>	
Tested By:	<u>MANUFACTURER</u>	
Test ID:	<input type="text" value="FTP01"/>	

Test Date: 12/15/2010
 Exh Test Fuel: E85 - 85% ETHANOL + 15% TIER 2 UNLEADED GAS (EPA)
 If Other, Specify:
 Tested For: CERTIFICATION
 Target Coefficient A (lb_f): 31.68
 Target Coefficient B (lb_f/mph): 0.41
 Target Coefficient C (lb_f/mph²): 0.017
 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 ₂ (g/mi)	MPG	CH4 (g/mi)	N2O (g/mi)
	0.018	0.048	0.016	0.60	1		424	15.5	0.002	0.002

Raw Test Results without DF:

Test Type: FEDERAL TEST PROCEDURE (FTP)
 Tested By: MANUFACTURER
 Test ID: FTP02
 Test Date: 12/17/2010
 Exh Test Fuel: GASOLINE - CA PHASE 2 (CA ExTP II A 100.3.1.1)
 If Other, Specify:
 Tested For: CERTIFICATION
 Target Coefficient A (lb_f): 31.68
 Target Coefficient B (lb_f/mph): 0.41
 Target Coefficient C (lb_f/mph²): 0.017
 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 ₂ (g/mi)	MPG	CH4 (g/mi)	N2O (g/mi)

	0.038	0.049	0.038	1.33			400	16.3	0.024	
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Raw Test Results without DF:

Test Type: COLD-CO (20F)
 Tested By: MANUFACTURER
 Test ID: COLD CO 01
 Test Date: 1/14/2011
 Exh Test Fuel: GASOLINE - CA PHASE 2 (CA ExTP II A 100.3.1.1)
 If Other, Specify:
 Tested For: CERTIFICATION
 Target Coefficient A (lb_f): 35.3
 Target Coefficient B (lb_f/mph): 0.44
 Target Coefficient C (lb_f/mph²): 0.021
 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 ₂ (g/mi)	MPG	CH4 (g/mi)	N2O (g/mi)
				1.54			444	12.3		

Raw Test Results without DF:

Test Type: SFTP-US06 (FULL)
 Tested By: MANUFACTURER
 Test ID: SF06-01
 Test Date: 12/17/2010
 Exh Test Fuel: GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))
 If Other, Specify:
 Tested For: CERTIFICATION
 Target Coefficient A (lb_f): 31.68
 Target Coefficient B (lb_f/mph):

Target Coefficient C (lb_f/mph²):

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 ₂ (g/mi)	MPG	CH4 (g/mi)	N2O (g/mi)
	0.048		0.083	1.76			450	12.0		

Raw Test Results without DF:

Test Type: SFTP-SC03

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_f):

Target Coefficient B (lb_f/mph):

Target Coefficient C (lb_f/mph²):

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 ₂ (g/mi)	MPG	CH4 (g/mi)	N2O (g/mi)
	0.038		0.038	1.33			400	16.3		

CSI 5A Manufacturer Note:

150K AGED PARTS USED FOR 4K/50K COMPLIANCE.

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

Durability Data Vehicle (DDV) and Emission Test Data:

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

MFR Vehicle ID:

Durability Group Method: AGED PARTS

DDV ECS Set Number (From CSI 4):

ATD Grouping Statistic: 2.7 (ATD grouping statistic for this set of ATDs used for the DDV)

Max ATD Grouping Statistic: 2.7 (Maximum ATD grouping statistic for the durability group of the DDV)

Min ATD Grouping Statistic: 2.7 (Minimum ATD grouping statistic for the durability group of the DDV)

Durability Data Type: CARRYOVER DATA

Original Durability Group Name: CPQRGPG38921

Aging Method: BENCH AGING

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

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: EPQRR0130AKP

ORVR Type: NON-INTEGRATED

Fill Pipe Seal Mechanism: MECHANICAL If Other:

Fill Pipe Compliant: YES

Tank Material: STEEL

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...

Evap Family Operating Fuel	Evap Family Operating Fuel Other
<u>GASOLINE</u>	<input type="text"/>
<u>85% ETHANOL</u>	<input type="text"/>

Canister Information:

Canister Type: MAIN CANISTER

Number of Canisters: 1

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

Evap Family Name: EPQRR0130AKP

Evap Test Vehicle ID: 3445555

Evap Test Vehicle Model: DODGE NOVA

EDV Evap Type: CARRYOVER DATA

Original Evap Family of Evap EDV: CPQRR0130AKP

TG of Evap EDV: CPQRJ03.6APS

Evap Test Vehicle Engine Code: AB-425

Displacement (liters): 3.6

Rated Power (hp): 183 @RPM: 644

Cylinder (Block) Arrangement: V-SHAPED ENGINE

If Other, Specify:

Number of Cylinders: 6

Transmission: AUTOMATIC (WITH LOCKUP)

If Other, Specify:

Number of Transmission Gears: 6

Target Coefficient A (lb_f): 21Target Coefficient B (lb_f/mph): 0.42Target Coefficient C (lb_f/mph^2): 0.013

Tire Size Front: P225/40R16 Rear: P225/40R16

Curb Weight (lb):

LVW (lb):

ALVW (lb):

ETW (lb):

GVWR (lb):

Fuel Tank Set Number (From CSI6A):

Raw Evaporative Refueling Test Results:

Evap Test Type: 3-DAYS + HOT SOAK (WHOLE VEHICLE, G/TEST)

Evap Test Date:

Evap Test ID Number:

Tested By: MANUFACTURER

Evap Test Fuel: E10 - 10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)

If Other, Specify:

Official Cert Test: YES

Tested For: CERTIFICATION

R/L Test:

Test Procedure: EPA

Evap Pollutant Type: TOTAL HYDROCARBONS (THC)

	1 st Day	2 nd Day	3 rd Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	<input type="text" value="0.343"/>	<input type="text" value="0.312"/>	<input type="text" value="0.305"/>	<input type="text" value="0.14"/>
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):

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

Raw Evaporative Refueling Test Results:

Evap Test Type:

2-DAYS + HOT SOAK (WHOLE VEHICLE, G/TEST)
 Evap Test Date: 1/27/2012
 Evap Test ID Number: ET002
 Tested By: MANUFACTURER
 Evap Test Fuel: E10 - 10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)
 If Other, Specify:
 Official Cert Test: YES
 Tested For: CERTIFICATION
 R/L Test:
 Test Procedure: EPA
 Evap Pollutant Type: TOTAL HYDROCARBONS (THC)

	1 st Day	2 nd Day	3 rd Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)				
Raw Evap Test for 2D+HS (g/test)	0.300	0.343		0.05

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: 1/30/2012
 Evap Test ID Number: ET003
 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: EPA
 Evap Pollutant Type: TOTAL HYDROCARBONS (THC)

	1 st Day	2 nd Day	3 rd 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:

CSI 6B Manufacturer Note:

CSI 6C

Evaporative DDV and Durability Test Information:

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

Evaporative Family:

Evap DF Type: MANUFACTURER DF

DDV Evap Type: NEW APPLICATION FOR A TEST GROUP (COMPLETE DATA SET MUST BE SUBMITTED)

Evap Family of Evap DDV:

TG of Evap DDV:

Evap DDV Test Vehicle Model:

Displacement (liters):

Fuel Tank Set Number (From CSI6A):

Evaporative DDV Note:

Durability Information:

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

Durability Information Type: BENCH INFORMATION

Manufacturer Durability Set (Bench/Vehicle/Rig Test) ID: (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: E10 - 10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)

If Other, Specify:

	1 st Day	2 nd Day	3 rd Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	0.385	0.340	0.377	0.015
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 (Bench/Vehicle/Rig Test) ID: (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: E10 - 10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)
 If Other, Specify:

	1 st Day	2 nd Day	3 rd Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	0.315	0.340	0.365	0.015
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 (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: 3-DAYS + HOT SOAK (WHOLE VEHICLE, G/TEST)
 Test ID Number:
 Test Point (miles):
 Test Date:
 Evap Durability Test Fuel: E10 - 10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)
 If Other, Specify:

	1 st Day	2 nd Day	3 rd Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	0.313	0.344	0.360	0.015
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: 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: ON-BOARD REFUELING VAPOR RECOVERY (G/GALLON)

Test ID Number:

Test Point (miles):

Test Date:

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

If Other, Specify:

	1 st Day	2 nd Day	3 rd 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"/>	<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 - TIER 2 UNLEADED (40CFR86.113-04(a)(1))

If Other, Specify:

	1 st Day	2 nd Day	3 rd 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:	0.00	0.00	0.000	0.02
Vehicle Evap DF:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Overall Certification Evap DF:	0.00	0.00	0.000	0.02

Bench DF Manufacturer Notes:

Vehicle DF Manufacturer Notes:

3 DAY DF CARRIED ACROSS TO 2 DAY DF

Vehicle Model Summary:

Model Number:	<u>1</u>	(Select a sequential number, starting with 1 for each Model Number.)
Vehicle Make:	<input type="text" value="DODGE"/>	
Carline Name:	<input type="text" value="NOVA"/>	
Badge Name:	<input type="text" value="NOVA"/>	
Body Style:	<input type="text" value="SEDAN"/>	
MFR Model Code:	<input type="text" value="JZ"/>	
Trim Level (i.e., CE, LE, etc):	<input type="text" value="CE, LX"/>	
Vehicle Class:	<u>PASSENGER CAR</u>	
ECS Set Number (From CSI 4):	<input type="text" value="1"/>	
Engine Code:	<input type="text" value="AB-100"/>	
Engine Set Number (From CSI 3):	<input type="text" value="1"/>	
Evap Family:	<input type="text" value="EPQRR0130AKP"/>	
Leak Family Identifier: (From CSI 2B)	<input type="text"/>	
Min Curb Weight (lbs):	<input type="text" value="3500"/>	
Max Curb Weight (lbs):	<input type="text" value="3500"/>	
Min ETW (lbs):	<input type="text" value="3750"/>	
Max ETW (lbs):	<input type="text" value="3750"/>	
Min GVWR (lbs):	<input type="text" value="5000"/>	
Max GVWR (lbs):	<input type="text" value="5000"/>	
Drive System:	<u>FRONT WHEEL DRIVE</u>	
	Electric Drive Motor Set # (From CSI 10A):	
HEV Test Vehicle ID: (From CSI 10A)		
Regenerative Braking:	<u>NOT APPLICABLE</u>	
Modified Test Procedure:	<u>NO</u>	
Shift Indicator Lamp (SIL):	<u>NO</u>	
Driver Selectable Modes:	<u>NO</u>	

If Yes, Describe the Modes:

Manufacturer Shift Schedule No. (City, Hwy, US06, SC03):

Label Type:

50 STATES

CA Projected Sales:

Section 177 States Projected Sales:

NMOG Credit Non PZEV Zero Evap:

NMOG Credit DOR Vehicle:

PZEV Allowances:

Baseline PZEV Allowance:

Zero Emissions VMT Allowance:

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:

AUTOMATIC (WITH LOCKUP)

If Other, Specify:

Transmission Gear #:

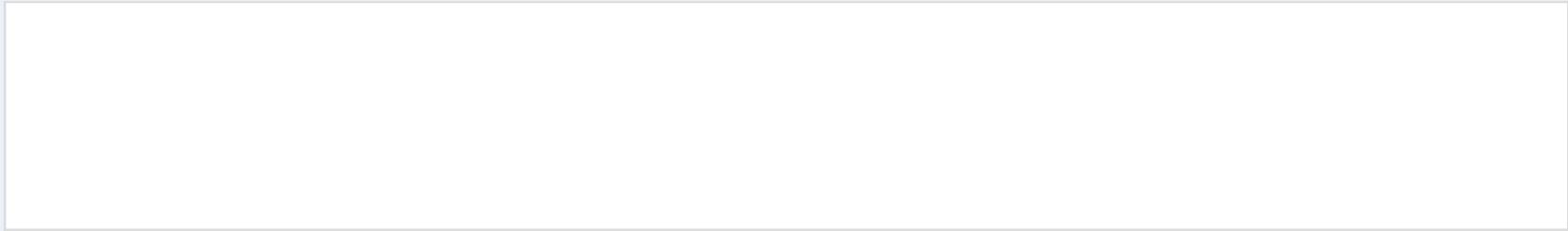
Model Type:

Axle Ratio

Evap Family Set Number (From CSI 6A)

Fuel Tank Set Number (From CSI 6A)

CSI 7 Manufacturer Note:



Vehicle Model Summary:

Model Number:	<input type="text" value="2"/> (Select a sequential number, starting with 1 for each Model Number.)
Vehicle Make:	<input type="text" value="FIAT"/>
Carline Name:	<input type="text" value="PRIDE"/>
Badge Name:	<input type="text" value="PRIDE"/>
Body Style:	<input type="text" value="SEDAN"/>
MFR Model Code:	<input type="text" value="PP"/>
Trim Level (i.e., CE, LE, etc):	<input type="text" value="CE"/>
Vehicle Class:	<input type="text" value="PASSENGER CAR"/>
ECS Set Number (From CSI 4):	<input type="text" value="1"/>
Engine Code:	<input type="text" value="AB-100"/>
Engine Set Number (From CSI 3):	<input type="text" value="1"/>
Evap Family:	<input type="text" value="EPQRR0130AKP"/>
Leak Family Identifier: (From CSI 2B)	
Min Curb Weight (lbs):	<input type="text" value="3500"/>
Max Curb Weight (lbs):	<input type="text" value="3900"/>
Min ETW (lbs):	<input type="text" value="3750"/>
Max ETW (lbs):	<input type="text" value="4250"/>
Min GVWR (lbs):	<input type="text" value="5200"/>
Max GVWR (lbs):	<input type="text" value="5200"/>
Drive System:	<input type="text" value="FRONT WHEEL DRIVE"/>

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

HEV Test Vehicle ID: (From CSI 10A)	<input type="text"/>
Regenerative Braking:	<u>NOT APPLICABLE</u>
Modified Test Procedure:	<u>NO</u>
Shift Indicator Lamp (SIL):	<u>NO</u>
Driver Selectable Modes:	<u>NO</u>
If Yes, Describe the Modes:	
Manufacturer Shift Schedule No. (City, Hwy, US06, SC03):	<input type="text"/>
Label Type:	<u>50 STATES</u>
CA Projected Sales:	<input type="text" value="48"/>
Section 177 States Projected Sales:	<input type="text" value="90"/>
NMOG Credit Non PZEV Zero Evap:	<input type="text"/>
NMOG Credit DOR Vehicle:	<input type="text"/>
PZEV Allowances:	
Baseline PZEV Allowance:	<input type="text"/>
Zero Emissions VMT Allowance:	<input type="text"/>
Advanced ZEV Componentry Allowance:	
High Pressure Gaseous or Hydrogen Fuel Storage:	<input type="text" value="0"/> Qualifying HEV Electric Drive System: <u>NOT APPLICABLE</u>
Allowance for Qualifying HEV Electric Drive System:	<input type="text" value="0"/>
Fuel Cycle Emissions:	<input type="text" value="0"/>
Hydrogen Internal Combustion Engine:	<input type="text" value="0"/>
Allowance for US06 Capability:	<input type="text" value="0"/>
Model Type:	
Transmission Set Number:	<u>1</u> (Select a sequential number, starting with 1 for each Transmission Set Number.)
Transmission Type:	<u>AUTOMATIC (WITH LOCKUP)</u> If Other, Specify:
Transmission Gear #:	<input type="text" value="6"/>
Model Type:	<input type="text"/>

Axle Ratio

2.1	
Evap Family Set Number (From CSI 6A)	Fuel Tank Set Number (From CSI 6A)
1	1
CSI 7 Manufacturer Note:	
CSI 10A	
CSI 10B (All fields in red are considered CBI)	