

# 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:

10

Miles:

120000

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:1.04HCHO/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		
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:	0.100	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:	15	Evap UL Miles:	150000
ORVR UL Years:	10	ORVR UL Miles:	120000
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): 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

Substrate Cell Density  
(# of cells / in<sup>2</sup>):

580

Substrate Specific Active  
Surface Area (m<sup>2</sup>/liter):

800

Precious Metal Loading Rate  
(g/liter):

2.46

Precious Metal Composition:

2.3/0.16

Uniform Loading of Precious  
Metals?

YES

Other:

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

Substrate Cell Density (# of cells / in <sup>2</sup> ):	580
Substrate Specific Active Surface Area (m <sup>2</sup> /liter):	800
Precious Metal Loading Rate (g/liter):	2.46
Precious Metal Composition:	2.3/0.16
Uniform Loading of Precious Metals?	YES

Other:

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:	EPQRJ03.6APS	
EDV Division Name:	DODGE	
EDV Model Name:	NOVA	
EDV Test Vehicle ID:	D42642142	
EDV Test Data Type:	CARRYOVER DATA	
Original TG of EDV:	CPQRJ03.6APS	
Original Evap Family of EDV:	CPQRR0130AKP	
EDV Engine Code:	AB-200	
EDV Displacement (liters):	3.6	

EDV Cylinder (Block) Arrangement:	<u>V-SHAPED ENGINE</u>		
If Other, Specify:			
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:	
<b>ATD Grouping Statistic of EDV:</b>	2.5		
Tire Size:	Front: <input type="text" value="265/65R17"/>	Rear:	<input type="text" value="265/65R17"/>
<b>Raw Test Results without DF:</b>			
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<sub>f</sub>):31.68

Target Coefficient B (lb<sub>f</sub>/mph):0.41

Target Coefficient C (lb<sub>f</sub>/mph<sup>2</sup>):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 <sub>2</sub> (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<sub>f</sub>):31.68

Target Coefficient B (lb<sub>f</sub>/mph):0.41

Target Coefficient C (lb<sub>f</sub>/mph<sup>2</sup>):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 <sub>2</sub> (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<sub>f</sub>):

35.3

Target Coefficient B (lb<sub>f</sub>/mph):

0.44

Target Coefficient C (lb<sub>f</sub>/mph<sup>2</sup>):

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 <sub>2</sub> (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<sub>f</sub>):

31.68

Target Coefficient B (lb<sub>f</sub>/mph):

Target Coefficient C (lb<sub>f</sub>/mph<sup>2</sup>): 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 <sub>2</sub> (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: SFP03-1

Test Date: 2/14/2011

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>): 31.68

Target Coefficient B (lb<sub>f</sub>/mph): 0.41

Target Coefficient C (lb<sub>f</sub>/mph<sup>2</sup>): 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 <sub>2</sub> (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:	<u>1</u>	(Select a sequential number, starting with 1 for each Set Number.)
MFR Vehicle ID:		
Durability Group Method:	<u>AGED PARTS</u>	
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:	<u>CARRYOVER DATA</u>	
Original Durability Group Name:	CPQRGPG38921	
Aging Method:	<u>BENCH AGING</u>	
Manufacturer ADP CARB Approval Ref #:		
Durability Group Equivalency Factor:		
ADP/Bench-aged Components:	CATALYSTS, O2 SENSORS,	

Durability Group Operating Fuel	Durability Group Fuel Metering	Durability Group Fuel Metering Other
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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:MECHANICALIf 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
GASOLINE	
85% ETHANOL	

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:	<input type="text" value="1"/>	(Select a sequential number, starting with 1 for each Set Number.)
Evap Family Name:	<input type="text" value="EPQRR0130AKP"/>	
Evap Test Vehicle ID:	<input type="text" value="3445555"/>	
Evap Test Vehicle Model:	<input type="text" value="DODGE NOVA"/>	
EDV Evap Type:	<input type="text" value="CARRYOVER DATA"/>	
Original Evap Family of Evap EDV:	<input type="text" value="CPQRR0130AKP"/>	
TG of Evap EDV:	<input type="text" value="CPQRJ03.6APS"/>	
Evap Test Vehicle Engine Code:	<input type="text" value="AB-425"/>	
Displacement (liters):	<input type="text" value="3.6"/>	
Rated Power (hp):	<input type="text" value="183"/>	@RPM: <input type="text" value="644"/>
Cylinder (Block) Arrangement:	<input type="text" value="V-SHAPED ENGINE"/>	
If Other, Specify:	<input type="text"/>	
Number of Cylinders:	<input type="text" value="6"/>	
Transmission:	<input type="text" value="AUTOMATIC (WITH LOCKUP)"/>	
If Other, Specify:	<input type="text"/>	
Number of Transmission Gears:	<input type="text" value="6"/>	
Target Coefficient A (lb <sub>f</sub> ):	<input type="text" value="21"/>	
Target Coefficient B (lb <sub>f</sub> /mph):	<input type="text" value="0.42"/>	
Target Coefficient C (lb <sub>f</sub> /mph <sup>2</sup> ):	<input type="text" value="0.013"/>	
Tire Size	Front: <input type="text" value="P225/40R16"/>	Rear: <input type="text" value="P225/40R16"/>

Curb Weight (lb):

4000

LVW (lb):

4,250

ALVW (lb):

4,600

ETW (lb):

4300

GVWR (lb):

5,200

Fuel Tank Set Number (From CSI6A):

1

Raw Evaporative Refueling Test Results:

Evap Test Type:

3-DAYS + HOT SOAK (WHOLE VEHICLE, G/TEST)

Evap Test Date:

1/8/2012

Evap Test ID Number:

ET001

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 <sup>st</sup> Day	2 <sup>nd</sup> Day	3 <sup>rd</sup> Day	Hot Soak
Raw Evap Test for 3D+HS (g/test)	0.343	0.312	0.305	0.14
Raw Evap Test for 2D+HS (g/test)				

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

0.001

Raw Evap Test for ORVR (g/gallon):

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

Raw Evaporative Refueling Test Results:

Evap Test Type:

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 <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)	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 <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):	0.080			
Raw Evap Test for Canister Bleed (g/test):				

Effective Leak Diameter Test Results:

CSI 6B Manufacturer Note:

CSI 6C

Evaporative DDV Set Number:

1

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

Evaporative Family:

EPQRR0130AKP

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:

CPQRR0130AKP

TG of Evap DDV:

Evap DDV Test Vehicle Model:

DODGE NOVA

Displacement (liters):

3.6

Fuel Tank Set Number (From CSI6A): 1

Evaporative DDV Note:

Durability Information:

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

Durability Information Type: BENCH INFORMATION

Manufacturer Durability Set (Bench/Vehicle/Rig Test) ID: 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: 3D01

Test Point (miles): 4,000

Test Date: 1/5/2011

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

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)	0.385	0.340	0.377	0.015
Raw Evap Test for 2D+HS (g/test)				

Raw Evap Test for Running Loss (g/mi): 0.004

Raw Evap Test for ORVR (g/gallon):

Used For DF Calculation: YES

Manufacturer Durability Set (Bench/Vehicle/Rig Test) ID: 2 (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:

3D02

Test Point (miles):

50,000

Test Date:

3/5/2011

Evap Durability Test Fuel:

E10 - 10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)

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)	0.315	0.340	0.365	0.015
Raw Evap Test for 2D+HS (g/test)				

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

0.003

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:

3D03

Test Point (miles):

150,000

Test Date:

5/5/2011

Evap Durability Test Fuel:

E10 - 10% ETHANOL + 90% TIER 2 UNLEADED GAS (EPA)

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)	0.313	0.344	0.360	0.015
Raw Evap Test for 2D+HS				

(g/test)				
Raw Evap Test for Running Loss (g/mi):	0.003			
Raw Evap Test for ORVR (g/gallon):				
Used For DF Calculation:	<u>YES</u>			
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:	<u>ON-BOARD REFUELING VAPOR RECOVERY (G/GALLON)</u>			
Test ID Number:	R1			
Test Point (miles):	4,000			
Test Date:	1/4/2011			
Evap Durability Test Fuel:	<u>GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(1))</u>			
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)				
Raw Evap Test for 2D+HS (g/test)				
Raw Evap Test for Running Loss (g/mi):				
Raw Evap Test for ORVR (g/gallon):	0.01			
Used For DF Calculation:	<u>YES</u>			
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:	<u>ON-BOARD REFUELING VAPOR RECOVERY (G/GALLON)</u>			
Test ID Number:	R2			
Test Point (miles):	150,000			

Test Date:5/4/2011

Evap Durability Test Fuel:GASOLINE - TIER 2 UNLEADED (40CFR86.113-04(a)(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)				
Raw Evap Test for 2D+HS (g/test)				

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

Raw Evap Test for ORVR (g/gallon):0.02

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:				
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:	DODGE	
Carline Name:	NOVA	
Badge Name:	NOVA	
Body Style:	SEDAN	
MFR Model Code:	JZ	
Trim Level (i.e., CE, LE, etc):	CE, LX	
Vehicle Class:	<u>PASSENGER CAR</u>	
ECS Set Number (From CSI 4):	1	
Engine Code:	AB-100	
Engine Set Number (From CSI 3):	1	
Evap Family:	EPQRR0130AKP	
Leak Family Identifier: (From CSI 2B)		
Min Curb Weight (lbs):	3500	
Max Curb Weight (lbs):	3500	
Min ETW (lbs):	3750	
Max ETW (lbs):	3750	
Min GVWR (lbs):	5000	
Max GVWR (lbs):	5000	
Drive System:	<u>FRONT WHEEL DRIVE</u>	
	<b>Electric Drive Motor Set # (From CSI 10A):</b>	
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:

48

Section 177 States Projected Sales:

90

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:

0

Qualifying HEV Electric Drive System: NOT APPLICABLE

Allowance for Qualifying HEV Electric Drive System:

0

Fuel Cycle Emissions:

0

Hydrogen Internal Combustion Engine:

0

Allowance for US06 Capability:

0

Model Type:

Transmission Set Number:

1

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

Transmission Type:

AUTOMATIC (WITH LOCKUP)

If Other, Specify:

Transmission Gear #:

6

Model Type:

Axle Ratio

2.1

Evap Family Set Number (From CSI 6A)

Fuel Tank Set Number (From CSI 6A)

CSI 7 Manufacturer Note:

Vehicle Model Summary:

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

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"/>		
<b>PZEV Allowances:</b>			
Baseline PZEV Allowance:	<input type="text"/>		
Zero Emissions VMT Allowance:	<input type="text"/>		
<b>Advanced ZEV Componentry Allowance:</b>			
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"/>		
<b>Model Type:</b>			
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)