FIAT CHRYSLER AUTOMOBILES

Application for Certification
Part 1

2017 Model Year

Durability Group: HCRXGPGNNF28
Evaporative Familie(s): HCRXR0116PK0, HCRXR0116PK1,
HCRXR0118PP0, HCRXR0112PK0

Test Group: HCRXJ02.45P1

Four Stroke, Otto Cycle, Gasoline Fueled, Ported FI

Ceramic Monolith Pd, Rh Close Coupled Catalyst

2.4 Liter
LDT/LDV
Applicable Standards:
50 State - BIN 110 Tier 3 / ULEV II
MSAT Compliant

Vehicles Covered:
Jeep Cherokee FWD/4x4
Jeep Compass X 4x4/Jeep Patriot X 4x4
Fiat 500X FWD/ Fiat 500X AWD
Jeep Renegade FWD/4x4
Dodge Dart FWD/Dodge Dart FWD GT

Vehicle(s) Run:
VID 1 config., V4KLJ4102 (Exhaust)
VID2 config., K6PMD5278 (EVAP)
VID3 config., K2PFD4647 (EVAP)
VID4 config., L4PFD6873 (EVAP)

For Questions, Joseph Ryan 248. 576.5461 Steve R. Mazure 248. 576. 5471

All testing completed – Unconditional Cert request

FIAT CHRYSLER AUTOMOBILES

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Section 1 Correspondence and Communication

For questions dealing with the Part I application for this Test Group contact:

Name	Title	Responsibility	Phone	E-mail	Fax
Joseph Ryan	Certification	Application Submission	248.576.5461	joseph.ryan@fcagroup.com	248.576.7321
Steve R. Mazure	Certification	Certification Programs	248.576.5471	steve.mazure@fcagroup.com	248.576.7321

For a complete listing of all Correspondence and Communication Information for FCA US LLC, please see:
"Common Section Book - Section 1 Correspondence and Communication "

Section 2 Durability Group Description

Durability Group Name: HCRXGPGNNF28

For a complete description of the Durability Group Description please see:
"Common Section Book - Section 2. Durability Group Description "

Section 3 Evaporative/Refueling Family Description

Evaporative/Refueling Family Name(s): HCRXR0116PK0, HCRXR0112PK0, HCRXR0116PK1 and HCRXR0118PK0

For a complete description of the Evaporative/Refueling Family Description please see:
"Common Section Book - Section 3. Evaporative/Refueling Family Description "

For ORVR Agency Review Sign Off please see:
"Common Section Book - Section 16. Agency Approvals "

Section 4 Durability Procedure Description

Durability Group: HCRXGPGNNF28

Durability Provision Statement:
Based on FCA US LLC 's good engineering judgement, all the vehicles described in this Application for Certification comply with all applicable intermediate and full useful life standards.

For a complete description of the Durability Procedure please see:
"Common Section Book - Section 16. Durability Procedure Description "

Indicate if aged components were used.	Aged Components were used
Indicate whether additive or multiplicative DF's were used.	N/A
List all DF's calculated at both full and intermediate useful life and applicable standards (test results and vehicle description).	EPA - Reference VERIFY (hard copies of all VERIFY Reports retained in-house) CARB - Reference Cert Review Sheet

Evaporative/Refueling Family: HCRXR0116PK0, HCRXR0116PK1, HCRXR0118PK0 and HCRXR0112PK0

For a complete description of the Durability Procedure please see:
"Common Section Book - Section 16. Durability Procedure Description "

Indicate if aged components were used.	Yes - Bench Aging
Indicate whether additive or multiplicative DF's were used.	Additive
List all DF's calculated at both full and intermediate useful life and applicable standards (test results and vehicle description).	EPA - Reference VERIFY (hard copies of all VERIFY Reports retained in-house) CARB - Reference Cert Review Sheet

Section 5 Test Group Description

Test Group Name:	HCRXJ02.45P1
Engine displacements covered:	2.4 Liter
Arrangement and number of cylinders:	I-4
Vehicle classes covered:	LDT/LDV
Emission standards class:	Bin 110/ULEV II, MSAT Compliant
AB71 Qualified Vehicles:	No

Section 8 Emission Testing Waiver Statements

Below is a list clearly identifying the standards applicable to this Test Group for which emission testing was not performed. All FCA US LLC applicable vehicles will conform with the emission standards which emission data is not being provided, as allowed under 40 CFR 86.1829-01 or 86.1810-01.

Particulates HCHO, CST, ASM, NMOG, IM

Section 9 OBD Description

For a complete description of the OBD Description please see: "Common Part 1 Section 16. OBD Description"

For OBD Agency Approvals please see: "Common Part 1 Section 16. Agency Approvals"

OBD Demonstration Compliance Statement: This Test Group meets the full intent of both the Clean Air Act as amended in 1990, section 202(m), and the applicable federal OBD regulations contained in 40 CFR §86.005-17 and 40 CFR §86.1806-01, including a reference to those provisions pertaining to deficiencies in the limited instances where an OBD II system that complies with 1968.2 does not comply with all the requirements of section 1968.1.

Section 10 Description of Alternate - Fueled Vehicles

Not Applicable to this Test Group

FCA US LLC

Test Group - HCRXJ02.45P1

EPA COMP CODE	AA-100	AA-150	AA-200	AA-250	AA-300	AA-325	AA-350	AA-375	AA-400
E10:Powertrain Control Module									
E11:Transmission Control Module									
E17:ABS Control Module									
F03:Plastic Fuel Tank (Partial)									
F05:Fuel Pump									
F10:Fuel Level Sending Unit									
F16:Fuel Tank Filler Cap									
F17:Fuel Tank Check Valve									
F21:Fuel Tank Rollover Valve									
F29:Fuel Tank Pressure Sensor									
F36:Fuel Filler Receptacle									
F40:Throttle Body									
F50:Fuel Injector									
F55:Fuel Pressure Regulator									
F64:Fuel Pump Module									
F70:Evap. Canister Assembly									
F73:ORVR Control Valve									

EPA COMP CODE	AA-100	AA-150	AA-200	AA-250	AA-300	AA-325	AA-350	AA-375	AA-400
F79:ESIM (Evaporative System Integrity Monitor)									
H08:Exhaust Manifold Catalytic Converter									
H10:Catalytic Converter									
H15:Front Exhaust Pipe Assembly with Catalytic Converters									
H16:Exhaust Y-Pipe Assembly with Catalytic Converters									
I05:Spark Plug									
L01:Heated Oxygen Sensor									
L12:Accelerator Pedal Position Sensor									
L13:Accelerator Pedal Assembly									
L15:Camshaft Position Sensor									
L16:Crankshaft Position Sensor									
L20:Knock Sensor									
L25:Vehicle Speed Sensor									
M01:Engine Coolant Temp. Sensor									
M02:Charge Air Temperature Sensor									
M04:Intake Air Temperature Sensor									
M07:Oil Temperature Sensor									
M10:Ambient Temperature Sensor									
N12:Multiair Actuator Assembly									
N24:Oil Pressure Sensor									

EPA COMP CODE	AA-100	AA-150	AA-200	AA-250	AA-300	AA-325	AA-350	AA-375	AA-400
N25:Engine Oil Cooler									
N33:Intake Manifold Tuning Valve									
N50:Engine Thermostat									
R10:Transmission Oil Cooler									
R11:Transmission Oil Cooler Bypass Valve									
T01:Transmission									
T27:Transmission Pressure Sensor									
T53:Transmission Range Sensor									
V01:PCV Valve									
V05:MAP Sensor									
V63:Evap. Can. Purge Solenoid									
V80:Active Grill Shutter Actuator									
Z01:VECI Label									

Test Group - HCRXJ02.45P1

EPA COMP CODE	AA-450	AA-475	AA-500	AA-550	AM-500	AM-525	AM-550
E10:Powertrain Control Module							
E11:Transmission Control Module							
E17:ABS Control Module							
F03:Plastic Fuel Tank (Partial)							
F05:Fuel Pump							
F10:Fuel Level Sending Unit							
F16:Fuel Tank Filler Cap							
F17:Fuel Tank Check Valve							
F21:Fuel Tank Rollover Valve							
F29:Fuel Tank Pressure Sensor							
F36:Fuel Filler Receptacle							
F40:Throttle Body							
F50:Fuel Injector							
F55:Fuel Pressure Regulator							
F64:Fuel Pump Module							
F70:Evap. Canister Assembly							
F73:ORVR Control Valve							

EPA COMP CODE	AA-450	AA-475	AA-500	AA-550	AM-500	AM-525	AM-550
F79:ESIM (Evaporative System Integrity Monitor)							
H08:Exhaust Manifold Catalytic Converter							
H10:Catalytic Converter							
H15:Front Exhaust Pipe Assembly with Catalytic Converters							
H16:Exhaust Y-Pipe Assembly with Catalytic Converters							
I05:Spark Plug							
L01:Heated Oxygen Sensor							
L12:Accelerator Pedal Position Sensor							
L13:Accelerator Pedal Assembly							
L15:Camshaft Position Sensor							
L16:Crankshaft Position Sensor							
L20:Knock Sensor							
L25:Vehicle Speed Sensor							
M01:Engine Coolant Temp. Sensor							
M02:Charge Air Temperature Sensor							
M04:Intake Air Temperature Sensor							
M07:Oil Temperature Sensor							
M10:Ambient Temperature Sensor							
N12:Multiair Actuator Assembly							
N24:Oil Pressure Sensor							

EPA COMP CODE	AA-450	AA-475	AA-500	AA-550	AM-500	AM-525	AM-550
N25:Engine Oil Cooler							
N33:Intake Manifold Tuning Valve							
N50:Engine Thermostat							
R10:Transmission Oil Cooler							
R11:Transmission Oil Cooler Bypass Valve							
T01:Transmission							
T27:Transmission Pressure Sensor							
T53:Transmission Range Sensor							
V01:PCV Valve							
V05:MAP Sensor							
V63:Evap. Can. Purge Solenoid							
V80:Active Grill Shutter Actuator							
Z01:VECI Label							

Section11-100 Engine Parts List

FCA US LLC

Test Group :HCRXJ02.45P1

Durability Group: HCRXGPGNNF28 **Standard Fed:** Bin110 **Cal:** N/A

Trans. Code	Sales Code	Transfer Case Sales Code/Drive Code	No. of Gears	Over Drive Gear Ratio	Drive Gear Ratio	Engine Sales Code	Torque Code	Torque Size	Conv Clutch Control Type Calib/Special Features
L9	DFH	2F	9	0.479	4.7,2.842,1.909,1.382,1.0,0.808,0.699,0.58,0.479	ED6	NC	275 MM	Electronically shifted data on file
L9	DFH	4F	9	0.479	4.7,2.842,1.909,1.382,1.0,0.808,0.699,0.58,0.479	ED6	NC	275 MM	Electronically shifted data on file
L9	DFH	2F	9	0.479	4.7,2.842,1.909,1.382,1.0,0.808,0.699,0.58,0.479	ED6	UC	242MM	Electronically shifted data on file
L6	DA4	2F	6	0.77	4.64,2.83,1.84,1.39,1.0,0.77	ED6	PC	9.5"	Electronically shifted data on file
M6	DE1	2F	6	0.622	4.15,2.118,1.361,0.978,0.756,0.622	ED6			
L9	DFH	DK2 / 4F	9	0.479	4.7,2.842,1.909,1.382,1.0,0.808,0.699,0.58,0.479	ED6	UC	242MM	Electronically shifted data on file
L6	DA4	4F	6	0.772	4.212,2.637,1.8,1.386,1.0,0.772	ED3	OC	248 MM	Electronically shifted data on file
AW	DAW	4F				ED3	OC	248 MM	Electronically shifted data on file

Section12-200 Transmission

FCA US LLC

HCRXJ02.45P1

Durability Group: HCRXGPGNNF28 **Standard Fed: Bin110** **Cal: N/A**

Asterisk (*) Indicates Manufacturer has elected to certify at this higher test weight class as allowed by CFR 86.1831-01

Engine Code AA-100 **Eng Displ: 2.4L (ED6)** **Evap Family - Evap Code: HCRXR0116PK1-12.7**

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
FBFA49	Fiat: 500X			L9 - FWD	NC	4277	3500*		1.79	23.7	215/60R16 TND	TZC	6Y5MWC0	17.22	12.6	25.34000	0.33350	0.02096	27.87000	0.36690	0.02306
				DFH	B2.4b		1914		1.79	23.6	215/55R17 TMA	TZC	6Y3RWC0	16.80	12.9	27.46000	0.34080	0.02089	30.21000	0.37490	0.02298
							3137		1.79	23.9	225/45R18 TRG	TZC	6Y4FWBJL	16.56	13.1	29.12000	0.32950	0.02102	32.03000	0.36250	0.02312
									1.79	23.5	215/55R17 TKE	TZN	CCUFA4E	16.47	13.2	29.55000	0.34700	0.02070	32.51000	0.38170	0.02277

Engine Code AA-150 **Eng Displ: 2.4L (ED6)** **Evap Family - Evap Code: HCRXR0116PK1-12.7**

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
FBGA49	Fiat: 500X			L9 - AWD	NC	4586	3625		1.79	22.8	215/60R17 TTU	TZN	UAX4353	15.83	14.2	32.58000	0.30030	0.02348	35.84000	0.33030	0.02583
	AWD			DFH	B2.4b		2024		1.79	22.2	225/55R18 TWL	TZC	304002	15.32	14.6	32.86000	0.50560	0.02068	36.15000	0.55620	0.02275
							3318														

Engine Code AA-200 **Eng Displ: 2.4L (ED6)** **Evap Family - Evap Code: HCRXR0116PK1-12.7**

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
BUJA74	Jeep:			L9 - AWD	NC	4508	3625		1.79	22.8	215/60R17 TTU	TZC	322902	16.21	13.9	28.14000	0.19570	0.02639	30.95000	0.21530	0.02903
	Renegade			DFH	B2.4b		2040		1.79	22.3	225/55R18 TWL	TZA	HS1566	15.77	14.2	26.74000	0.37960	0.02442	29.41000	0.41760	0.02686
	4x4						3349		1.79	22.9	215/65R16 TM9	TZC	322493	15.75	14.3	27.24000	0.35030	0.02487	29.96000	0.38530	0.02736
									1.79	22.3	225/55R18 TWL	TZL	K3B	15.46	14.5	28.53000	0.36690	0.02482	31.38000	0.40360	0.02730
									1.79	22.8	215/60R17 TTU	TZD	CW21	15.42	14.6	29.44000	0.32720	0.02536	32.38000	0.35990	0.02790
									1.79	22.8	215/60R17 TTU	TZL	NP OTS	15.28	14.7	29.48000	0.39430	0.02439	32.43000	0.43370	0.02683
									1.79	22.1	215/65R17 TAF	TZJ	SPECZ	14.65	15.3	29.40000	0.47190	0.02477	32.34000	0.51910	0.02725

Engine Code AA-250 **Eng Displ: 2.4L (ED6)** **Evap Family - Evap Code: HCRXR0116PK1-12.7**

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
BUJA74	Jeep:			L9 - AWD	NC	4508	3625		2.08	26.5	215/60R17 TTU	TZC	322902	16.21	13.9	28.14000	0.19570	0.02639	30.95000	0.21530	0.02903
	Renegade			DFH	B2.4b		2040		2.08	26	225/55R18 TWL	TZA	HS1566	15.77	14.2	26.74000	0.37960	0.02442	29.41000	0.41760	0.02686
	4x4						3349		2.08	26.7	215/65R16 TM9	TZC	322493	15.75	14.3	27.24000	0.35030	0.02487	29.96000	0.38530	0.02736
									2.08	26	225/55R18 TWL	TZL	K3B	15.46	14.5	28.53000	0.36690	0.02482	31.38000	0.40360	0.02730
									2.08	26.5	215/60R17 TTU	TZD	CW21	15.42	14.6	29.44000	0.32720	0.02536	32.38000	0.35990	0.02790
									2.08	26.5	215/60R17 TTU	TZL	NP OTS	15.28	14.7	29.48000	0.39430	0.02439	32.43000	0.43370	0.02683
									2.08	25.7	215/65R17 TAF	TZJ	SPECZ	14.65	15.3	29.40000	0.47190	0.02477	32.34000	0.51910	0.02725

Engine Code AA-300 **Eng Displ: 2.4L (ED6)** **Evap Family - Evap Code: HCRXR0118PP0-15.8**

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
KLTA74	Jeep:			L9 - FWD	UC	5050	4000		1.79	22.5	225/60R17 TRA	TZF	ZB783Q	19.00	13.0	20.34000	0.41400	0.02271	22.37000	0.45540	0.02498
	Cherokee			DFH	B2.4c		2172		1.79	22.2	225/55R18 TWL	TZC	304002	18.18	13.6	24.73000	0.41010	0.02279	27.20000	0.45110	0.02507
	FWD						3668														

Engine Code AA-325 **Eng Displ: 2.4L (ED6)** **Evap Family - Evap Code: HCRXR0118PP0-15.8**

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
KLTA74	Jeep:			L9 - FWD	UC	5050	4000		1.79	22.5	225/60R17 TRA	TZF	ZB783Q	19.00	13.0	20.34000	0.41400	0.02271	22.37000	0.45540	0.02498
	Cherokee			DFH	B2.4c		2172		1.79	22.2	225/55R18 TWL	TZC	304002	18.18	13.6	24.73000	0.41010	0.02279	27.20000	0.45110	0.02507
	FWD						3668														

Engine Code AA-350 **Eng Displ: 2.4L (ED6)** **Evap Family - Evap Code: HCRXR0118PP0-15.8**

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
KLJA74	Jeep:			L9 - AWD	UC	5500	4250		1.79	10.5	225/65R17 TRF	TZF	ZB788Q	18.69	14.1	26.15000	0.45470	0.02268	28.77000	0.50020	0.02495
	Cherokee			DFH /	B2.4b		1723		1.79	10.3	225/60R18 TWS	TZC	303856	18.33	14.4	27.85000	0.47350	0.02245	30.64000	0.52090	0.02470
	4X4			DK2-4F			3967														

Engine Code AA-375 Eng Displ: 2.4L (ED6) Evap Family - Evap Code: HCRXR0118PP0-15.8

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
KLJA74	Jeep:			L9 - AWD	UC	5500	4250		1.79	10.5	225/65R17 TRF	TZF	ZB788Q	18.69	14.1	26.15000	0.45470	0.02268	28.77000	0.50020	0.02495
	Cherokee			DFH /	B2.4b		1723		1.79	10.3	225/60R18 TWS	TZC	303856	18.33	14.4	27.85000	0.47350	0.02245	30.64000	0.52090	0.02470
	4X4			DK2-4F			3967														

Engine Code AA-400 Eng Displ: 2.4L (ED6) Evap Family - Evap Code: HCRXR0116PK0-15.8

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
PFDA41	Dodge:	GT		L6 - FWD	PC	4285	3625		2.70	28.8	205/55R16 TVR	TZL	K3B	21.83	10.3	24.20000	0.21520	0.01685	26.62000	0.23670	0.01854
	Dart GT			DA4	B2.4b		1277		2.70	28.5	205/55R16 TP3	TZC	226224	20.22	11.1	29.82000	0.22280	0.01688	32.80000	0.24510	0.01857
							3293		2.70	28.6	225/45R17 TQR	TZL	CAE202D	19.97	11.2	30.54000	0.23970	0.01668	33.59000	0.26370	0.01835
									2.70	28.6	225/45R17 TU8	TZY	9809J1	19.84	11.3	30.06000	0.25150	0.01686	33.07000	0.27670	0.01855
									2.70	28.6	P225/40R18 TU9	TZY	9798P1	18.97	11.8	35.26000	0.24150	0.01651	38.79000	0.26570	0.01816

Engine Code AA-450 Eng Displ: 2.4L (ED6) Evap Family - Evap Code: HCRXR0116PK0-14.2

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
PFDA41	Dodge:			L6 - FWD	PC	4285	3500		2.46	34.1	205/55R16 TVR	TZL	K3B	21.13	10.3	24.04000	0.21440	0.01685	26.44000	0.23580	0.01854
	Dart			DA4	B2.4b		1952		2.46	33.7	205/55R16 TP3	TZC	226224	19.58	11.1	29.62000	0.22200	0.01688	32.58000	0.24420	0.01857
							3193		2.46	33.9	225/45R17 TQR	TZL	CAE202D	19.34	11.2	30.34000	0.23880	0.01667	33.37000	0.26270	0.01834
									2.46	33.9	225/45R17 TU8	TZY	9809J1	19.20	11.3	29.89000	0.25060	0.01686	32.88000	0.27570	0.01855
									2.46	33.8	P225/40R18 TU9	TZY	9798P1	18.37	11.8	35.03000	0.24060	0.01651	38.53000	0.26470	0.01816

Engine Code AA-475 Eng Displ: 2.4L (ED6) Evap Family - Evap Code: HCRXR0116PK0-14.2

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
PFDA41	Dodge:			L6 - FWD	PC	4285	3500		2.46	26.2	205/55R16 TVR	TZL	K3B	21.13	10.3	24.04000	0.21440	0.01685	26.44000	0.23580	0.01854
	Dart			DA4	B2.4b		1241		2.46	26	205/55R16 TP3	TZC	226224	19.58	11.1	29.62000	0.22200	0.01688	32.58000	0.24420	0.01857
							3193		2.46	26.1	225/45R17 TQR	TZL	CAE202D	19.34	11.2	30.34000	0.23880	0.01667	33.37000	0.26270	0.01834
									2.46	26.1	225/45R17 TU8	TZY	9809J1	19.20	11.3	29.89000	0.25060	0.01686	32.88000	0.27570	0.01855
									2.46	26	P225/40R18 TU9	TZY	9798P1	18.37	11.8	35.03000	0.24060	0.01651	38.53000	0.26470	0.01816

Engine Code AA-500 Eng Displ: 2.4L (ED3) Evap Family - Evap Code: HCRXR0112PK0-13.5

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
MKJA49	Jeep:			L6 - AWD	OC	4575	3625		2.60	33	225/60R17 TRA	TZL	KOA	14.95	15.0	27.16000	0.54950	0.02318	29.88000	0.60450	0.02550
	Compass			DA4	T2.4b		1959		2.60	33.1	P205/70R16 TLB	TZA	3X7071C	14.75	15.2	28.81000	0.51200	0.02389	31.69000	0.56320	0.02628
	X 4X4						3369		2.60	33.4	P215/60R17 TTU	TZF	DX411P	14.52	15.5	30.96000	0.53250	0.02334	34.06000	0.58580	0.02567
									2.60	32.8	215/55R18 TMZ	TMZ	30293	14.46	15.5	29.18000	0.46430	0.02561	32.10000	0.51070	0.02817
									2.60	32.2	P215/65R17 TRX	TZA	2X7232A	14.40	15.6	30.27000	0.52190	0.02420	33.30000	0.57410	0.02662
									2.60	33	P215/55R18 TT1	TZF	DX651P	13.45	16.7	39.36000	0.57230	0.02285	43.30000	0.62950	0.02514
MKJA74	Jeep:			L6 - AWD	OC	4575	3625		2.60	33	225/60R17 TRA	TZL	KOA	14.81	15.2	29.10000	0.41530	0.02554	32.01000	0.45680	0.02809
	Patriot X			DA4	T2.4b		1943		2.60	32.8	215/55R18 TMZ	TMZ	30293	13.88	16.2	31.06000	0.50430	0.02601	34.17000	0.55470	0.02861
	4X4						3365		2.60	33.1	P205/70R16 TLB	TZA	3X7071C	13.79	16.3	50.11000	-0.1687	0.03214	55.12000	-0.1856	0.03535
									2.60	33.4	P215/60R17 TTU	TZF	DX411P	13.71	16.4	52.31000	-0.1484	0.03111	57.54000	-0.1632	0.03422
									2.60	32.2	P215/65R17 TRX	TZA	2X7232A	13.50	16.6	51.46000	-0.1592	0.03244	56.61000	-0.1751	0.03568
									2.60	33	P215/55R18 TT1	TZF	DX651P	13.39	16.8	36.72000	0.48500	0.02587	40.39000	0.53350	0.02846

Engine Code AA-550 Eng Displ: 2.4L (ED3) Evap Family - Evap Code: HCRXR0112PK0-13.5

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
MKJA49	Jeep:			AW -	OC	4575	3625		3.21	41.2	P215/60R17 TTU	TZF	DX411P	13.85	16.2	61.24000	-0.5671	0.03542	67.37000	-0.6238	0.03896
	Compass			AWD	T2.4b		1965		3.21	40.8	P205/70R16 TLB	TZA	3X7071C	13.75	16.3	65.25000	-0.5149	0.03308	71.78000	-0.5664	0.03639
	X 4X4			DAW			3375		3.21	39.8	P215/65R17 TRX	TZA	2X7232A	13.70	16.4	60.88000	-0.5392	0.03553	66.97000	-0.5931	0.03908
									3.21	40.7	P215/55R18 TT1	TZF	DX651P	12.79	17.5	70.44000	-0.5282	0.03495	77.49000	-0.5810	0.03845
MKJA74	Jeep:			AW -	OC	4575	3625		3.21	40.8	P205/70R16 TLB	TZA	3X7071C	13.70	16.4	65.72000	-0.5149	0.03308	72.29000	-0.5664	0.03639
	Patriot X			AWD	T2.4b		1950		3.21	41.2	P215/60R17 TTU	TZF	DX411P	13.49	16.6	67.93000	-0.4944	0.03254	74.72000	-0.5438	0.03579
	4X4			DAW			3371		3.21	39.8	P215/65R17 TRX	TZA	2X7232A	13.41	16.7	67.11000	-0.5052	0.03338	73.82000	-0.5557	0.03672

Engine Code AM-500 Eng Displ: 2.4L (ED6) Evap Family - Evap Code: HCRXR0116PK0-14.2

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
PFDA41	Dodge: Dart GT	GT		M6 - FWD DE1	B2.4b	4285	3500		2.56	22.1	205/55R16 TVR	TZL	K3B	21.15	10.2	22.81000	0.28190	0.01597	25.09000	0.31010	0.01757
							1241		2.56	21.8	205/55R16 TP3	TZC	226224	19.59	11.1	27.80000	0.29390	0.01616	30.58000	0.32330	0.01778
							3193		2.56	21.9	225/45R17 TQR	TZL	CAE202D	19.25	11.2	28.50000	0.31040	0.01613	31.35000	0.34140	0.01774
									2.56	21.9	225/45R17 TU8	TZY	9809J1	19.10	11.3	28.10000	0.32220	0.01632	30.91000	0.35440	0.01795
									2.56	21.9	P225/40R18 TU9	TZY	9798P1	18.32	11.8	33.08000	0.31210	0.01597	36.39000	0.34330	0.01757

Engine Code AM-525 Eng Displ: 2.4L (ED6) Evap Family - Evap Code: HCRXR0116PK0-14.2

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
PFDA41	Dodge: Dart			M6 - FWD DE1	B2.4b	4285	3500		2.56	22.1	205/55R16 TVR	TZL	K3B	21.15	10.2	22.81000	0.28190	0.01597	25.09000	0.31010	0.01757
							1241		2.56	21.8	205/55R16 TP3	TZC	226224	19.59	11.1	27.80000	0.29390	0.01616	30.58000	0.32330	0.01778
							3193		2.56	21.9	225/45R17 TQR	TZL	CAE202D	19.25	11.2	28.50000	0.31040	0.01613	31.35000	0.34140	0.01774
									2.56	21.9	225/45R17 TU8	TZY	9809J1	19.10	11.3	28.10000	0.32220	0.01632	30.91000	0.35440	0.01795
									2.56	21.9	P225/40R18 TU9	TZY	9798P1	18.32	11.8	33.08000	0.31210	0.01597	36.39000	0.34330	0.01757

Engine Code AM-550 Eng Displ: 2.4L (ED6) Evap Family - Evap Code: HCRXR0116PK0-14.2

Model	Carline Name	Model Qualifier	Opt	Trans. / Tr.Case	Torq. Conv./ Catalyst Identifier	GVW	LVW TWC Drive Curb	ALVW TWC Drive Curb	Axle / OTGR	N/V	Tire	Tire Mfr.	Tire Constr.Cd.	Elec Dyno Q.C.	Elec Dyno RLHP	Dyno Coeff 70A	Dyno Coeff 70 B	Dyno Coeff 70C	Dyno Coeff 20A	Dyno Coeff 20B	Dyno Coeff 20C
PFDA41	Dodge: Dart			M6 - FWD DE1	B2.4b	4285	3500		2.56	22.1	205/55R16 TVR	TZL	K3B	21.15	10.2	22.81000	0.28190	0.01597	25.09000	0.31010	0.01757
							1241		2.56	21.8	205/55R16 TP3	TZC	226224	19.59	11.1	27.80000	0.29390	0.01616	30.58000	0.32330	0.01778
							3193		2.56	21.9	225/45R17 TQR	TZL	CAE202D	19.25	11.2	28.50000	0.31040	0.01613	31.35000	0.34140	0.01774
									2.56	21.9	225/45R17 TU8	TZY	9809J1	19.10	11.3	28.10000	0.32220	0.01632	30.91000	0.35440	0.01795
									2.56	21.9	P225/40R18 TU9	TZY	9798P1	18.32	11.8	33.08000	0.31210	0.01597	36.39000	0.34330	0.01757

FCA US LLC

Test Group: HCRXJ02.45P1 - Engine Code Index

Durability Group: HCRXGPGNNF28 **Standard : Bin110 / NA Vehicle Class: LDV (0-5750 LVW) / NA**

Engine Code: AA-100 - 2.4L FB ED6 A9 DFH FWD

Engine Code	RC #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-100	Original		2.4L/ED6	FB		L9/ Automatic L9 - Lockup/Automatic/9-speed	4277	4277	3500	3500	FWD	NAS

Engine Code: AA-150 - 2.4L FB ED6 A9 DFH AWD

Engine Code	RC #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-150	Original		2.4L/ED6	FB		L9/ Automatic L9 - Lockup/Automatic/9-speed	4586	4586	3625	3625	AWD	NAS

Engine Code: AA-200 - 2.4L ED6 BU AWD w/DFH , 3.734 FDR CCV

Engine Code	RC #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-200	Original		2.4L/ED6	BU		L9/ Automatic L9 - Lockup/Automatic/9-speed	4508	4508	3625	3625	AWD	NAS

Engine Code: AA-250 - 2.4L ED6 BU AWD w/DFH, 4.334 FDR CCV

Engine Code	RC #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-250	Original		2.4L/ED6	BU		L9/ Automatic L9 - Lockup/Automatic/9-speed	4508	4508	3625	3625	AWD	NAS

Engine Code: AA-300 - 2.4L KL ED6 FWD w/DFH, 3.734 FDR , W/AGS CCV

Engine Code	RC #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-300	Original		2.4L/ED6	KL		L9/ Automatic L9 - Lockup/Automatic/9-speed	5050	5050	4000	4000	FWD	NAS

Engine Code: AA-325 - 2.4L KL ED6 FWD w/DFH, 3.734 FDR, w/o AGS CCV

Engine Code	RC #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-325	Original		2.4L/ED6	KL		L9/ Automatic L9 - Lockup/Automatic/9-speed	5050	5050	4000	4000	FWD	NAS

Engine Code: AA-350 - 2.4L KL ED6 AWDw/DFH,1-spd, 3.734 FDR, w/AGS CCV

RC #	Date	Engine	Carline	Trans. Configuration

Engine Code				Price Class		GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-350	Original	2.4L/ED6	KL		L9/ Automatic L9 - Lockup/Automatic/9-speed	5500	5500	4250	4250	AWD	NAS

Engine Code: AA-375 - 2.4L KL ED6 AWDw/DFH, 1-spd, 3.734 FDR, w/o AGS CC

Engine Code	RC #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-375	Original		2.4L/ED6	KL		L9/ Automatic L9 - Lockup/Automatic/9-speed	5500	5500	4250	4250	AWD	NAS

Engine Code: AA-400 - 2.4L PF41 DA4 FWD 3.51 FDR w/MDX 15.8Gal GT CCV

Engine Code	RC #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-400	Original		2.4L/ED6	PF	GT	L6 / Automatic L6 - Lockup/Automatic/6-speed	4285	4285	3625	3625	FWD	NAS

Engine Code: AA-450 - 2.4L PF41 DA4 FWD 3.195 FDR w/MDX 14.2 GAL CCV

Engine Code	RC #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-450	Original		2.4L/ED6	PF		L6 / Automatic L6 - Lockup/Automatic/6-speed	4285	4285	3500	3500	FWD	NAS

Engine Code: AA-475 - 2.4L PF41 DA4 FWD 3.195 FDRw/o MDX 14.2 gal

Engine Code	RC #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-475	Original		2.4L/ED6	PF		L6 / Automatic L6 - Lockup/Automatic/6-speed	4285	4285	3500	3500	FWD	NAS

Engine Code: AA-500 - MK - 2.4L (ED3) AWD A6

Engine Code	RC #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-500	Original		2.4L/ED3	MK		L6 / Automatic L6 - Lockup/Automatic/6-speed	4575	4575	3625	3625	AWD	NAS

Engine Code: AA-550 - MK - 2.4L (ED3) AWD CVTL

Engine Code	RC #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AA-550	Original		2.4L/ED3	MK		AW/ AW Continuously Variable AW -	4575	4575	3625	3625	AWD	NAS

Engine Code: AM-500 - 2.4L ED6 M6 (DE1) PF w/AGS - 15.8 Gals (GT)

Engine Code	RC #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AM-500	Original		2.4L/ED6	PF	GT	M6/ Manual 6-speed M6 - Manual 6-speed	4285	4285	3500	3500	FWD	NAS

Engine Code: AM-525 - 2.4L ED6 M6 (DE1) PF w/AGS - 14.2 Gals.

Engine Code	RC #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AM-525	Original		2.4L/ED6	PF		M6/ Manual 6-speed M6 - Manual 6-speed	4285	4285	3500	3500	FWD	NAS

Engine Code: AM-550 - 2.4L ED6 M6 (DE1) PF w/o AGS - 14.2 Gals

Engine Code	RC #	Date	Engine	Carline	Price Class	Trans. Configuration	GVW Min.	GVW Max.	Test Wt. Min.	Test Wt. Max	Drive Code	Sales Areas
AM-550	Original		2.4L/ED6	PF		M6/ Manual 6-speed M6 - Manual 6-speed	4285	4285	3500	3500	FWD	NAS

Test Group: HCRXJ02.45P1 - No Engine Code Changes

Durability Group: HCRXGPGNNF28 Standard Fed: Bin110 Cal: N/A

RC #	Submission Date	Description
No Results Found		

Section12-500 Engine Code Index

Vehicle Parameters

Valves per cylinder	Engine 2.4L - 4

Test Parameters

SIL usage:	See shift schedule table
Cooling fan configuration:	Models All - One fan center front
Addition Cooling:	Models All - None
Evaporative Testing Parameters:	Models MK – 112 grams KL – 118 grams BU – 116 grams FB – 116 grams PF – 116 grams
Fuel temperature Profile:	Models MK Models - ePM1 KL Models - eKL BU/FB Models - eKL PF Models – ePF
Special Test Procedure:	Models All - none

FIAT CHRYSLER AUTOMOBILES

June 10, 2016

Mr. Joel Dalton
Vehicle Programs Group
Certification and Compliance Division
U.S. Environmental Protection Agency
2000 Traverwood Drive
Ann Arbor, Michigan 48105

Dear Mr. Dalton:

Re: 2017 Model Year LDT/LDV Certificate of Conformity Request

FCA US LLC requests a 2017 Certificate of Conformity for the 50 State 2.4L test group **HCRXJ02.45P1** with evaporative families HCRXR0112PK0, HCRXR0118PP0, HCRXR0116PK1 and HCRXR0116PK0. This test group is being certified to Tier 3, BIN 110 standards, MSAT standards, and qualifies as ULEV2 under California Cleanest Vehicle (CCV) standards. FCA US LLC agrees to meet the Tier 3 BIN 110 standards, and the regulations applicable to such vehicles during the full useful lives of the vehicles in this test group. FCA US LLC agrees that the exhaust and evaporative emission standards listed below and in the application for certification apply to both certification and in-use vehicles according to the provisions of 40 CFR, Parts 86 and 88, as applicable. ***FCA US LLC also elects to follow GHG path 86-1818(f) (1) and the composite standard for SFTP.*** The FTP emission standards for this LDT test group are as follows:

Emission Standards		CH4	N2O	FTP/HWY NMOG+NOx	CO	HCHO
Federal BIN 110	120K	0.030	0.010	0.110	2.1	0.004

Evaporative Standards		3-Day	2-Day	R/L	ORVR
HCRXR0116PK0	150K	0.50	0.65	0.05	0.20
HCRXR0116PK1		0.65	0.85	0.05	0.20
HCRXR0118PP0		0.50	0.50	0.05	0.20
HCRXR0112PK0		0.65	0.85	0.05	0.20

Initial combined **CREE** for **HCRXJ02.45P1** test group is: 293.5 g/m

The California Executive Order is A-009-1330 and models are as follows:

Division	**Model**
JEEP	CHEROKEE FWD/4x4
JEEP	RENEGADE AWD/4WD
DODGE	DART/DART GT FWD
JEEP	COMPASS X 4x4/PATRIOT X 4x4
FIAT	500X AND 500X AWD

If there are any questions regarding this submission, please contact Joseph Ryan, Jr. at (248) 576-5461 or Steve R. Mazure at (248) 576-5471.

Sincerely,
FCA US LLC

Steve R. Mazure, Manager
Vehicle Certification

FIAT CHRYSLER AUTOMOBILES

June 10, 2016

Ms. Annette Hebert, Chief
ECARS Division
Air Resource Board
9480 Telstar Ave, Suite 4,
El Monte, CA 91731

Dear Ms. Hebert:

Re: 2017 Model Year LDT/PC Executive Order Request (#A-009-1330)

FCA US LLC requests a 2017 Executive Order for the 2.4L 50-State test group **HCRXJ02.45P1** with evaporative families HCRXR0112PK0, HCRXR0116PK0, HCRXR0116PK1 and HCRXR0118PP0. This test group is being certified to Tier 3 BIN 110, & MSAT standards, and qualifies to be certified by the State of California's "Cleanest Vehicle" requirements and to be counted as ULEV2 in California. FCA US LLC agrees to meet these Tier 3 BIN 110 emission standards and the regulations applicable to such vehicles during the full useful lives of the vehicles in HCRXJ02.45P1. FCA US LLC agrees that the exhaust and evaporative emission standards listed below and in the application for certification apply to both certification and in-use vehicles according to the provisions of 40 CFR, Parts 86 and 88, as applicable, ***FCA US LLC also elects to follow GHG path 86-1818(f)(1) and the composite standard for SFTP***. The FTP emission standards for this LDT test group are as follows:

Emission Standards		FTP/HWY NMOG+NOx	CO	HCHO	PM
BIN 110	120K	0.110	2.1	0.004	0.003

Evaporative Standards		3-Day	2-Day	R/L	ORVR
HCRXR0116PK0	150K	0.50	0.65	0.05	0.20
HCRXR0116PK1		0.65	0.85	0.05	0.20
HCRXR0118PP0		0.50	0.50	0.05	0.20
HCRXR0112PK0		0.65	0.85	0.05	0.20

Initial combined **CREE** for **HCRXJ02.45P1** test group is: 293.5 g/m
FCA US LLC attests that the test and production vehicles do not have defeat devices; that all AECDs have been declared and described in the Application; and that test and production vehicles do not have alternate maps.

If there are any questions regarding this submission, please contact Joseph Ryan, Jr. at (248) 576-5461 or Steve R. Mazure at (248) 576-5471.

Sincerely,
FCA US LLC

Steve R. Mazure, Manager
Vehicle Certification
srm/jpr

cc: L. Benedict

US EPA Fee Form

General Information

Date:	02/22/2016
Process Code:	Submit New Filing Fee Form
Manufacturer Code:	CRX
Manufacturer Name:	FCA US LLC

Manufacturer Contact

Name:	Kelli Myers
Email Address:	kelli.myers@fcagroup.com
Phone:	248-576-5457
Calendar Year complete application submitted to EPA:	2016
Engine Family / Evaporative Family / Test Group:	HCRXJ02.45P1

Certificate Request Type (Industry Sector Code)

- (●) On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (Federal) (A, B, D, J, T, V)
- ( ) On-Highway HDE Dyno Cert (Federal) (E, H)
- ( ) On-Highway LD ICI, MDPV ICI, HDV ICI (A, B, D, J, T, V)
- ( ) On-Highway Motorcycle (C)
- ( ) On-Highway HDV Evap (F)
- ( ) On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (California-Only) (A, B, D, J, T, V)
- ( ) On-Highway HDE Dyno Cert (California-Only) (E, H)
- ( ) Nonroad CI (L)
- ( ) Nonroad SI (B, S)
- ( ) Locomotive (G, K)
- ( ) All Nonroad Recreational, excluding Marine engines (X, Y)
- ( ) All Marine (Including IMO) (M, N, W)
- ( ) Component Certification for Evaporative Emissions (P)

IMO Name (Required for dual US/IMO Marine Only):	
ICI VIN Number (Required for ICIs Only):	
Do you qualify for a Reduced Fee (RF)?	
What is the total number of vehicles, engines, or units covered?:	
What is the aggregate total retail value of the vehicles, engines or units covered?:	

Payment Information

Amount Owed:	22,889.00
Payment Type:	Offline Wire

Comments:

FCA US LLC | **VEHICLE EMISSION CONTROL INFORMATION**

GROUP: HCRXJ02.45P1 EVAP: HCRXR0116PK1
NO ADJUSTMENTS NEEDED
HO2S / SFI / TWC / WR – HO2S

U.S. EPA: T3 B110 LDV OBD: CA OBD II FUEL: GASOLINE

CA: OBD: CA OBD II FUEL: GASOLINE
This vehicle conforms to federal regulations and is certified for sale in California.

CONFORMS TO REGULATIONS: 2017 MY
ENGINE: 2.4L

5206 7054

FCA US LLC | **VEHICLE EMISSION CONTROL INFORMATION**

GROUP: HCRXJ02.45P1 EVAP: HCRXR0116PK0
NO ADJUSTMENTS NEEDED
HO2S / SFI / TWC / WR – HO2S

U.S. EPA: T3 B110 LDV OBD: CA OBD II FUEL: GASOLINE

CA: OBD: CA OBD II FUEL: GASOLINE
This vehicle conforms to federal regulations and is certified for sale in California.

CONFORMS TO REGULATIONS: 2017 MY
ENGINE: 2.4L

47480 **851AA**

PF MODEL

FCA US LLC | **VEHICLE EMISSION CONTROL INFORMATION**

GROUP: HCRXJ02.45P1 EVAP: HCRXR0112PK0
NO ADJUSTMENTS NEEDED
HO2S / SFI / TWC

CONFORMS TO REGULATIONS: 2017 MY
ENGINE: 2.4L

U.S. EPA: T3 B110 LDV OBD: CA OBD II FUEL: GASOLINE

47480 **900AA**

CA: OBD: CA OBD II FUEL: GASOLINE
This vehicle conforms to federal regulations and is certified for sale in California.

MK MODEL

FCA US LLC | **VEHICLE EMISSION CONTROL INFORMATION**

GROUP: HCRXJ02.45P1 EVAP: HCRXR0118PP0
NO ADJUSTMENTS NEEDED
HO2S / SFI / TWC / WR – HO2S

U.S. EPA: T3 B110 LDV OBD: CA OBD II FUEL: GASOLINE

CA: OBD: CA OBD II FUEL: GASOLINE
This vehicle conforms to federal regulations and is certified for sale in California.

CONFORMS TO REGULATIONS: 2017 MY
ENGINE: 2.4L

47480 850AA

KL MODELS

FCA US LLC | **VEHICLE EMISSION CONTROL INFORMATION**

GROUP: HCRXJ02.45P1 EVAP: HCRXR0116PK1
NO ADJUSTMENTS NEEDED
HO2S / SFI / TWC / WR–HO2S

U.S. EPA: T3 B110 LDV OBD: CA OBD II FUEL: GASOLINE

CA: OBD: CA OBD II FUEL: GASOLINE
This vehicle conforms to federal regulations and is certified for sale in California.

CONFORMS TO REGULATIONS: 2017 MY
ENGINE: 2.4L

5206 4609

FB MODELS