



Audi AG, a member of the Volkswagen Group  
Application for Emissions Certification Part 1  
2009 Model Year

**Durability Group:** 9ADXGPGNN3UA  
**Evap. Families:** 9ADXR0125241  
9ADXR0110238  
9ADXR0125246

**Test Group:** 9ADXV02.03UA

**Summary Sheets:** 640T2-01 / 640T2-02 / 640T2-03  
**Durability Group Description:** Four Stroke, Otto Cycle, Gasoline Fueled, Direct Fuel Injection, Catalyst Code: REX 1662  
**Test group Description:** 2.0 Liter I4 – LDV  
**Applicable Standards:** 50-State: Federal: Tier 2 BIN 5  
CA: LEV-II ULEV  
**Carlines Covered:** Volkswagen Tiguan, Tiguan 4motion  
Audi A3, A3 quattro  
Audi TT Coupe quattro, TT Roadster quattro  
Volkswagen Jetta, Jetta Sportwagen, GTI, Eos  
Volkswagen Passat, Passat Wagon, Passat CC

**Vehicles Tested:**

VID	Config.	Test Type / #	Test Type / #	Test Type / #
VW416 8-217/09	00	FTP 75 / 1080420	HFET / 1080421	
VW416 8-217/09	00	Cold CO / 1080425	CST / 1080440	50°F FTP / 1080424
VW416 8-217/09	00	US06 / 1080422	SC03 / 1080429	
VW416 8-217/09	00	2-Day / 1080442	3-Day / 1080443	ORVR / 1080441
461-60137/06	00	2-Day / 1065489	3-Day / 1065514	ORVR / 1065488
6366-AAF	00	ORVR / 1061699		
6366-AAF	01	2-Day / 1061642	3-Day / 1061643	

Issue Date: 02-25-2008  
RC\_9A2.03UA\_02\_08: 04-15-2008  
RC\_9A2.03UA\_03\_08: 05-06-2008  
RC\_9A2.03UA\_04\_08: 06-19-2008  
Update: 12-16-2008

**For Questions, Contact:**  
Robert Hart, (248) 754-4224  
Dennis Reineke, (248) 754-4215

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Section 5	Pg. 1	Test Group Description	Engine Code	R.CH-No.:	Revision Date
Test Group		9AD XV02.03UA	all		

**5.1 Test Group Description**

Test Group Name 9AD XV02.03UA  
Summary Sheet Number 640T2-01  
Engine displacements covered 2.0 liters  
Arrangement and number of cylinders I 4  
Vehicle class (es) covered LDV  
Federal Emissions Standards Class Tier 2 BIN 5  
California Emissions Standards Class LEV II ULEV

Test Group Name 9AD XV02.03UA  
Summary Sheet Number 640T2-02  
Engine displacements covered 2.0 liters  
Arrangement and number of cylinders I 4  
Vehicle class (es) covered LDV  
Federal Emissions Standards Class Tier 2 BIN 5  
California Emissions Standards Class LEV II ULEV

Test Group Name 9AD XV02.03UA  
Summary Sheet Number 640T2-03  
Engine displacements covered 2.0 liters  
Arrangement and number of cylinders I 4  
Vehicle class (es) covered LDV  
Federal Emissions Standards Class Tier 2 BIN 5  
California Emissions Standards Class LEV II ULEV

**5.2 Test Group Emission Standards**

Please refer to CFEIS Summary sheet included in Section 7 for applicable emission standards.

<b>Section 6</b>	<b>Pg. 1</b>	<b>Test Vehicle Description</b>	<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>		<b>9AD XV02.03UA</b>	<b>all</b>	<b>03 &amp; 04</b>	<b>06-16-2008</b>

**6. Test Vehicle Description**

Please refer to included CFEIS Vehicle Information (VI) sheets for the following vehicles:

Summary Sheet Number: 640T2-01  
 Test Group: 9AD XV02.03UA  
 Evaporative/Refueling Family: 9ADXR0125241

<b>VID</b>	<b>config.</b>	<b>vehicle type</b>	<b>tests performed</b>
<b>416 80217 /09</b>	00	Cert. Emission	FTP 75, HFET, Cold CO, CST, 50°F FTP, US06, SC03
	00	Cert. Emission	FTP, HFET ( High Altitude)
	01	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
<b>416 80218 /09</b>	00	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
<b>416 80217 /09</b>	00	Cert. Emission	2-Day EVAP, 3-day EVAP, ORVR

Summary Sheet Number: 640T2-02  
 Test Group: 9AD XV02.03UA  
 Evaporative/Refueling Family: 9ADXR0110238

<b>VID</b>	<b>config.</b>	<b>vehicle type</b>	<b>tests performed</b>
<b>83UA-AAF</b>	00	Cert. Emission	FTP 75, HFET, Cold CO, CST, 50°F FTP, US06, SC03
	00	Cert. Emission	FTP, HFET ( High Altitude)
	01	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
	02	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
	03	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
<b>63UA-AMF</b>	00	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
	01	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
	02	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
	03	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
<b>93UA-AAQ</b>	0	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
<b>93UA-TAQ</b>	0	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
	1	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
<b>6366-AAF</b>	01	Cert. Emission	2-Day EVAP, 3-day EVAP
	00	Cert. Emission	ORVR
<b>465-790007/09</b>	00	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
<b>465-790008/09</b>	00	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
<b>93UA-TTS</b>	00	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
	01	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03

<b>Section 6</b>	<b>Pg. 2</b>	<b>Test Vehicle Description</b>	<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>		<b>9AD XV02.03UA</b>	<b>all</b>		

**6. Test Vehicle Description (cont.)**

Please refer to included CFEIS Vehicle Information (VI) sheets for the following vehicles:

Summary Sheet Number: 640T2-03  
 Test Group: 9AD XV02.03UA  
 Evaporative/Refueling Family: 9ADXR0125246

<b>VID</b>	<b>config.</b>	<b>vehicle type</b>	<b>tests performed</b>
<b>462 80066/08</b>	00	Cert. Emission	FTP 75, HFET, Cold CO, CST, 50°F FTP, US06, SC03
	00	Cert. Emission	FTP, HFET ( High Altitude)
	01	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
<b>462 80062/08</b>	00	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
	01	Fuel Economy	FTP 75, HFET, Cold CO, US06, SC03
<b>461-60137/06</b>	00	Cert. Emission	2-Day EVAP, 3-day EVAP, ORVR

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: VW416 8-0217/09  
Division: 2 VOLKSWAGEN  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0125241

Configuration: 0  
Model Year: 2009  
Carline: 160 TIGUAN  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To:  
Vehicle Purpose: 01 CERT EMISSION  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL  
99 OTHER

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Idling

RPM: 760  
RPM Tolerance: 40  
Gear: N NEUTRAL  
A/C: YES

Design Vehicle Weights

Curb: 3737  
ETW: 4000  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 2134  
Empty Tank Axle: 2121  
40% Axle: 0  
Mfr Wt Units: P

Tire  
Manufacturer: CONTINENTAL  
Construction: 2 RADIAL  
Size: 235/55R17  
Pressure Front: 35  
Pressure Rear: 35  
Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
Initial: 9  
Factor: 1.005  
Units: M

Drive Train

Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
Axle Ratio: 4.24  
NV Ratio: 37.1

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #: 01

Comments: MY 2009 VW TIGUAN 4MOTION - 2.0L 4CYL TFSI W/L6 TRANS.- EDV - ETW 4000 -TESTED AS FWD - 99 = DIRECT FUEL INJECTION

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI Vehicle ID : VW416 8-0217/09 Configuration: 0

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
B443	B Evap and Refue	2500	125 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCH/MED	16.8 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	HWA	1			N	N	4000			44	.47	.0228	12	.4	.022
11	27	A	FTA	1			N	N	4000			48	.52	.025	16	.48	.0235
21	61	A	FTA	1			N	N	4000			44	.47	.0228	12	.4	.022
23	61	A	FTA	1			N	N	4000			44	.47	.0228	12	.4	.022
24	61	A	FTA	1			N	N	4000			44	.47	.0228	12	.4	.022
31	61	A	FTA	1			N	N	4000			44	.47	.0228	12	.4	.022
34	61	A	FTA	1			N	N	4000			44	.47	.0228	12	.4	.022
52	61	A	FTA	1			N	N	4000			44	.47	.0228	12	.4	.022
72	27	A	FTA	1			N	N	4000			48	.52	.025	16	.48	.0235
90	61	A	US6A	1			N	N	4000			44	.47	.0228	12	.4	.022
95	61	A	FTA	1			N	N	4000			44	.47	.0228	12	.4	.022

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: VW416 8-0217/09  
Division: 2 VOLKSWAGEN  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0125241

Configuration: 1  
Model Year: 2009  
Carline: 160 TIGUAN  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To:  
Vehicle Purpose: 03 CERT FUEL ECONOMY  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL  
99 OTHER

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Tire  
Manufacturer: CONTINENTAL  
Construction: 2 RADIAL  
Size: 235/55R17  
Pressure Front: 35  
Pressure Rear: 35  
Pressure Units: PSI POUNDS PER SQUARE INCH

Idling

RPM: 760  
RPM Tolerance: 40  
Gear: N NEUTRAL  
A/C: YES

Odometer Correction

Sign: -  
Initial: 9  
Factor: 1.005  
Units: M

Design Vehicle Weights

Curb: 3538  
ETW: 3875  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 2024  
Empty Tank Axle: 2006  
40% Axle: 0  
Mfr Wt Units: P

Drive Train  
Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
Axle Ratio: 4.24  
NV Ratio: 37.1

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #: 01

Comments: MY 2009 VW TIGUAN FWD - 2.0L 4CYL TFSI W/L6 TRANS.- FEDV - ETW 3875 -TESTED AS FWD - 99 = DIRECT FUEL INJECTION



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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)

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VEHICLE INFORMATION

DATABASE REPORT

Manufacturer: 640 AUDI

Vehicle ID : VW416 8-0217/09

Configuration: 1

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
B443	B Evap and Refue	2500	125 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCH/MED	16.8 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	HWA	1			N	N	3875			42	.51	.0208	14	.25	.0219
11	27	A	FTA	1			N	N	3875			46	.56	.0229	13	.45	.023
21	61	A	FTA	1			N	N	3875			42	.51	.0208	14	.25	.0219
90	61	A	US6A	1			N	N	3875			42	.51	.0208	14	.25	.0219
95	61	A	FTA	1			N	N	3875			42	.51	.0208	14	.25	.0219

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: VW416 8-0218/09  
Division: 2 VOLKSWAGEN  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0125241

Configuration: 0  
Model Year: 2009  
Carline: 160 TIGUAN  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To:  
Vehicle Purpose: 03 CERT FUEL ECONOMY  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL  
99 OTHER

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Idling

RPM: 760  
RPM Tolerance: 40  
Gear: N NEUTRAL  
A/C: YES

Design Vehicle Weights

Curb: 3514  
ETW: 3875  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 1997  
Empty Tank Axle: 1975  
40% Axle: 0  
Mfr Wt Units: P

Tire

Manufacturer: CONTINENTAL  
Construction: 2 RADIAL  
Size: 235/55R17  
Pressure Front: 35  
Pressure Rear: 35  
Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
Initial: 24  
Factor: 1.0073  
Units: M

Drive Train

Trans Config: 20 M6 MANUAL SIX SPEED  
Axle Ratio: 3.3  
NV Ratio: 38.5

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode

Running Change #: 01

Comments: MY 2009 VW TIGUAN FWD - 2.0L 4CYL TFSI W/M6 TRANS.- FEDV - ETW 3875 -TESTED AS FWD - 99 = DIRECT FUEL INJECTION

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)

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VEHICLE INFORMATION

DATABASE REPORT

Manufacturer: 640 AUDI Vehicle ID : VW416 8-0218/09 Configuration: 0

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
B443	B Evap and Refue	2500	125 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCH/MED	16.8 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	0006	1			N	N	3875			40	.13	.0247	12	-.17	.02
11	27	A	0005	1			N	N	3875			44	.15	.0272	3	-.06	.0205
21	61	A	0005	1			N	N	3875			40	.13	.0247	12	-.17	.02
90	61	A	0021	1			N	N	3875			40	.13	.0247	12	-.17	.02
95	61	A	0005	1			N	N	3875			40	.13	.0247	12	-.17	.02

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Time: 03:19:35 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: 83UA-AAF  
Division: 1 AUDI  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0110238

Configuration: 0  
Model Year: 2009  
Carline: 65 A3  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To: 2008  
Vehicle Purpose: 01 CERT EMISSION  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
41 MULTIPLE POINT FUEL INJECTION  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Idling

RPM: 760  
RPM Tolerance: 50  
Gear: N NEUTRAL  
A/C: YES

Design Vehicle Weights

Curb: 3428  
ETW: 3750  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 2057  
Empty Tank Axle: 2057  
40% Axle: 0  
Mfr Wt Units: P

Tire

Manufacturer: BRIGDESTONE  
Construction: 2 RADIAL  
Size: 225/45R17  
Pressure Front: 35  
Pressure Rear: 35  
Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
Initial: 59  
Factor: .9726  
Units: M

Drive Train

Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
Axle Ratio: 4.06  
NV Ratio: 40.7

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #:

Comments: MY 2008 AUDI A3 2.0L 4CYL TFSI W/L6 (DSG) TRANS.- EDV -ETW 3750 -TESTED AS FWD

Date: 13-FEB-08  
Time: 03:19:35 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI      Vehicle ID : 83UA-AAF      Configuration: 0

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
A343	B Evap and Refue	2200	110 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCHMED1	14.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	HWA	1			N	N	3750			32	.27	.02	10	.11	.0203
11	27	A	FTA	1			N	N	3750			32	.27	.02	10	.11	.0203
21	61	A	FTA	1			N	N	3750			32	.27	.02	10	.11	.0203
52	61	A	FTA	1			N	N	3750			32	.27	.02	10	.11	.0203
72	27	A		1			N	N	3750			32	.27	.02	10	.11	.0203
80	61	A	FTA	1			N	N									
82	61	A	HWA	1			N	N									
90	61	A	US6A	1			N	N	3750			32	.27	.02	10	.11	.0203
95	61	A	FTA	1			N	N	3750			32	.27	.02	10	.11	.0203

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: 83UA-AAF  
Division: 2 VOLKSWAGEN  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0110238

Configuration: 1  
Model Year: 2009  
Carline: 225 JETTA SPORTWAGEN  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To: 2008  
Vehicle Purpose: 03 CERT FUEL ECONOMY  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
41 MULTIPLE POINT FUEL INJECTION  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Idling

RPM: 760  
RPM Tolerance: 50  
Gear: N NEUTRAL  
A/C: YES

Design Vehicle Weights

Curb: 3398  
ETW: 3750  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 1980  
Empty Tank Axle: 1980  
40% Axle: 0  
Mfr Wt Units: P

Tire

Manufacturer: BRIGDESTONE  
Construction: 2 RADIAL  
Size: 225/45R17  
Pressure Front: 35  
Pressure Rear: 35  
Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
Initial: 59  
Factor: .9726  
Units: M

Drive Train

Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
Axle Ratio: 4.06  
NV Ratio: 40.7

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #:

Comments: MY 2008 VW JETTA SPORTWAGEN 2.0L 4CYL TFSI W/L6 (DSG) TRANS.- FEDV - ETW 3750 - TESTED AS FWD

Date: 13-FEB-08  
Time: 04:18:26 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI      Vehicle ID : 83UA-AAF      Configuration: 1

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
A343	B Evap and Refue	2200	110 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCHMED1	14.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	HWA	1			N	N	3750			35	.18	.0193	14	.03	.0193
11	27	A	FTA	1			N	N	3750			35	.18	.0193	14	.03	.0193
21	61	A	FTA	1			N	N	3750			35	.18	.0193	14	.03	.0193
80	61	A	FTA	1			N	N									
82	61	A	HWA	1			N	N									
90	61	A	US6A	1			N	N	3750			35	.18	.0193	14	.03	.0193
95	61	A	FTA	1			N	N	3750			35	.18	.0193	14	.03	.0193

Date: 13-FEB-08  
Time: 04:18:30 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: 83UA-AAF  
Division: 2 VOLKSWAGEN  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0110238

Configuration: 2  
Model Year: 2009  
Carline: 221 JETTA  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To: 2008  
Vehicle Purpose: 03 CERT FUEL ECONOMY  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
41 MULTIPLE POINT FUEL INJECTION  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Idling

RPM: 760  
RPM Tolerance: 50  
Gear: N NEUTRAL  
A/C: YES

Design Vehicle Weights

Curb: 3327  
ETW: 3625  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 1991  
Empty Tank Axle: 1991  
40% Axle: 0  
Mfr Wt Units: P

Tire

Manufacturer: BRIGDESTONE  
Construction: 2 RADIAL  
Size: 225/45R17  
Pressure Front: 35  
Pressure Rear: 35  
Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
Initial: 59  
Factor: .9726  
Units: M

Drive Train

Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
Axle Ratio: 4.06  
NV Ratio: 40.7

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #:

Comments: MY 2008 VW JETTA 2.0L 4CYL TFSI W/L6(DSG) TRANS.- FEDV - ETW 3625 -TESTED AS FWD



Date: 13-FEB-08  
Time: 04:18:30 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI

Vehicle ID : 83UA-AAF

Configuration: 2

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
A343	B Evap and Refue	2200	110 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCHMED1	14.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	HWA	1			N	N	3750			35	.18	.0193	14	.04	.0193
11	27	A	FTA	1			N	N	3750			35	.18	.0193	14	.04	.0193
21	61	A	FTA	1			N	N	3750			35	.18	.0193	14	.04	.0193
80	61	A	FTA	1			N	N									
82	61	A	HWA	1			N	N									
90	61	A	US6A	1			N	N	3750			35	.18	.0193	14	.04	.0193
95	61	A	FTA	1			N	N	3750			35	.18	.0193	14	.04	.0193

Date: 13-FEB-08  
Time: 04:18:34 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: 83UA-AAF  
Division: 2 VOLKSWAGEN  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0110238

Configuration: 3  
Model Year: 2009  
Carline: 211 GTI  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To: 2008  
Vehicle Purpose: 03 CERT FUEL ECONOMY  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
41 MULTIPLE POINT FUEL INJECTION  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Idling

RPM: 760  
RPM Tolerance: 50  
Gear: N NEUTRAL  
A/C: YES

Design Vehicle Weights

Curb: 3245  
ETW: 3500  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 2002  
Empty Tank Axle: 2002  
40% Axle: 0  
Mfr Wt Units: P

Tire

Manufacturer: BRIGDESTONE  
Construction: 2 RADIAL  
Size: 225/45R17  
Pressure Front: 35  
Pressure Rear: 35  
Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
Initial: 59  
Factor: .9726  
Units: M

Drive Train

Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
Axle Ratio: 4.06  
NV Ratio: 40.7

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #:

Comments: MY 2008 VW GTI 2/4 DR. 2.0L 4CYL TFSI W/L6(DSG) TRANS.- FEDV - ETW 3500 - TESTED AS FWD

Date: 13-FEB-08  
Time: 04:18:34 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI

Vehicle ID : 83UA-AAF

Configuration: 3

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
A343	B Evap and Refue	2200	110 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCHMED1	14.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	HWA	1			N	N	3750			35	.18	.0193	16	.02	.0193
11	27	A	FTA	1			N	N	3750			35	.18	.0193	16	.02	.0193
21	61	A	FTA	1			N	N	3750			35	.18	.0193	16	.02	.0193
80	61	A	FTA	1			N	N									
82	61	A	HWA	1			N	N									
90	61	A	US6A	1			N	N	3750			35	.18	.0193	16	.02	.0193
95	61	A	FTA	1			N	N	3750			35	.18	.0193	16	.02	.0193

Date: 13-FEB-08  
 Time: 03:19:44 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 VEHICLE INFORMATION CAP2000  
 DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
 Vehicle ID: 83UA-AMF  
 Division: 1 AUDI  
 Drive: 3 FRONT DRIVE STR LEFT  
 Source: 01 MANUFACTURER  
 Test Group: 9AD XV02.03UA  
 Evaporative/Refueling Family: 9ADXR0110238

Configuration: 0  
 Model Year: 2009  
 Carline: 65 A3  
 Catalyst: 3 3-WAY CATALYST  
 Model Year From/To: 2008  
 Vehicle Purpose: 03 CERT FUEL ECONOMY  
 Turbo/Supercharger: T TURBOCHARGER  
 Evap System: 1

Engine Information

Engine Code: CCTA  
 Engine Type: 01 OTTO SPARK  
 Crankcase System: 1  
 Cylinders: 4  
 Valves/Cylinder: 4  
 Displacement: 1984 CC CUBIC CENTIMETERS  
 Rated HP: 200  
 Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
 41 MULTIPLE POINT FUEL INJECTION  
 50 TURBOCHARGER  
 60 DETONATION SENSOR  
 62 ELECTRONIC CONTROLS-DIGITAL

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
 # 1 Before/After:  
 RPM:  
 RPM Tolerance:  
 Degree Tolerance:  
 Gear:

Idling

RPM: 760  
 RPM Tolerance: 50  
 Gear: N NEUTRAL  
 A/C: YES

Design Vehicle Weights

Curb: 3385  
 ETW: 3625  
 ETW Wt Units: P  
 Gross:  
 Full Tank Axle: 2007  
 Empty Tank Axle: 2007  
 40% Axle: 0  
 Mfr Wt Units: P

Tire

Manufacturer: CONTINENTAL  
 Construction: 2 RADIAL  
 Size: 225/45R17  
 Pressure Front: 35  
 Pressure Rear: 35  
 Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
 Initial: 37  
 Factor: .9716  
 Units: M

Drive Train

Trans Config: 20 M6 MANUAL SIX SPEED  
 Axle Ratio: 3.94  
 NV Ratio: 40.4

Sales Areas

CA CALIFORNIA  
 FA FEDERAL ALL ALTITUDE

Multimode

Running Change #:

Comments: MY 2008 AUDI A3 2.0L 4CYL TFSI W/M6 TRANS.- FEDV - ETW 3625 - TESTED AS FWD

Date: 13-FEB-08  
Time: 03:19:44 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI      Vehicle ID : 83UA-AMF      Configuration: 0

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
A343	B Evap and Refue	2200	110 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCHMED1	14.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	0006	1			N	N	3625			31	.15	.02	12	-.05	.0205
11	27	A	0005	1			N	N	3625			31	.15	.02	12	-.05	.0205
21	61	A	0005	1			N	N	3625			31	.15	.02	12	-.05	.0205
80	61	A	0005	1			N	N									
82	61	A	0006	1			N	N									
90	61	A	0021	1			N	N	3625			31	.15	.02	12	-.05	.0205
95	61	A	0005	1			N	N	3625			31	.15	.02	12	-.05	.0205

Date: 13-FEB-08  
Time: 04:18:51 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: 83UA-AMF  
Division: 2 VOLKSWAGEN  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0110238

Configuration: 1  
Model Year: 2009  
Carline: 225 JETTA SPORTWAGEN  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To: 2008  
Vehicle Purpose: 03 CERT FUEL ECONOMY  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
41 MULTIPLE POINT FUEL INJECTION  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Idling

RPM: 760  
RPM Tolerance: 50  
Gear: N NEUTRAL  
A/C: YES

Design Vehicle Weights

Curb: 3354  
ETW: 3625  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 1940  
Empty Tank Axle: 1940  
40% Axle: 0  
Mfr Wt Units: P

Tire

Manufacturer: CONTINENTAL  
Construction: 2 RADIAL  
Size: 225/45R17  
Pressure Front: 35  
Pressure Rear: 35  
Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
Initial: 37  
Factor: .9716  
Units: M

Drive Train

Trans Config: 20 M6 MANUAL SIX SPEED  
Axle Ratio: 3.94  
NV Ratio: 40.4

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode

Running Change #:

Comments: MY 2008 VW JETTA SPORTWAGEN 2.0L 4CYL TFSI W/M6 TRANS.- FEDV -ETW 3625 -TESTED AS FWD

Date: 13-FEB-08  
Time: 04:18:51 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI

Vehicle ID : 83UA-AMF

Configuration: 1

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
A343	B Evap and Refue	2200	110 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCHMED1	14.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	0006	1			N	N	3625			30	.2	.0186	11	-.08	.0196
11	27	A	0005	1			N	N	3625			30	.2	.0186	11	-.08	.0196
21	61	A	0005	1			N	N	3625			30	.2	.0186	11	-.08	.0196
80	61	A	0005	1			N	N									
82	61	A	0006	1			N	N									
90	61	A	0021	1			N	N	3625			30	.2	.0186	11	-.08	.0196
95	61	A	0005	1			N	N	3625			30	.2	.0186	11	-.08	.0196

Date: 13-FEB-08  
Time: 04:18:55 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: 83UA-AMF  
Division: 2 VOLKSWAGEN  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0110238

Configuration: 2  
Model Year: 2009  
Carline: 221 JETTA  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To: 2008  
Vehicle Purpose: 03 CERT FUEL ECONOMY  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
41 MULTIPLE POINT FUEL INJECTION  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Idling

RPM: 760  
RPM Tolerance: 50  
Gear: N NEUTRAL  
A/C: YES

Design Vehicle Weights

Curb: 3255  
ETW: 3500  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 1929  
Empty Tank Axle: 1929  
40% Axle: 0  
Mfr Wt Units: P

Tire

Manufacturer: CONTINENTAL  
Construction: 2 RADIAL  
Size: 225/45R17  
Pressure Front: 35  
Pressure Rear: 35  
Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
Initial: 37  
Factor: .9716  
Units: M

Drive Train

Trans Config: 20 M6 MANUAL SIX SPEED  
Axle Ratio: 3.94  
NV Ratio: 40.4

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode

Running Change #:

Comments: MY 2008 VW JETTA / GTI 4DR. 2.0L 4CYL TFSI W/M6 TRANS.- FEDV- ETW 3500 -TESTED AS FWD



Date: 13-FEB-08  
Time: 04:18:55 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI

Vehicle ID : 83UA-AMF

Configuration: 2

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
A343	B Evap and Refue	2200	110 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCHMED1	14.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	0006	1			N	N	3625			30	.2	.0186	11	-.08	.0197
11	27	A	0005	1			N	N	3625			30	.2	.0186	11	-.08	.0197
21	61	A	0005	1			N	N	3625			30	.2	.0186	11	-.08	.0197
80	61	A	0005	1			N	N									
82	61	A	0006	1			N	N									
90	61	A	0021	1			N	N	3625			30	.2	.0186	11	-.08	.0197
95	61	A	0005	1			N	N	3625			30	.2	.0186	11	-.08	.0197

Date: 13-FEB-08  
Time: 04:18:59 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: 83UA-AMF  
Division: 2 VOLKSWAGEN  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0110238

Configuration: 3  
Model Year: 2009  
Carline: 211 GTI  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To: 2008  
Vehicle Purpose: 03 CERT FUEL ECONOMY  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
41 MULTIPLE POINT FUEL INJECTION  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Tire  
Manufacturer: CONTINENTAL  
Construction: 2 RADIAL  
Size: 225/45R17  
Pressure Front: 35  
Pressure Rear: 35  
Pressure Units: PSI POUNDS PER SQUARE INCH

Idling

RPM: 760  
RPM Tolerance: 50  
Gear: N NEUTRAL  
A/C: YES

Odometer Correction

Sign: -  
Initial: 37  
Factor: .9716  
Units: M

Design Vehicle Weights

Curb: 3133  
ETW: 3375  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 1929  
Empty Tank Axle: 1929  
40% Axle: 0  
Mfr Wt Units: P

Drive Train  
Trans Config: 20 M6 MANUAL SIX SPEED  
Axle Ratio: 3.94  
NV Ratio: 40.4

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode

Running Change #:

Comments: MY 2008 VW GTI 2DR. 2.0L 4CYL TFSI W/M6 TRANS.- FEDV - ETW 3375 -TESTED AS FW

Date: 13-FEB-08  
Time: 04:18:59 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI

Vehicle ID : 83UA-AMF

Configuration: 3

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
A343	B Evap and Refue	2200	110 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCHMED1	14.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	0006	1			N	N	3625			30	.2	.0186	12	.04	.0186
11	27	A	0005	1			N	N	3625			30	.2	.0186	12	.04	.0186
21	61	A	0005	1			N	N	3625			30	.2	.0186	12	.04	.0186
80	61	A	0005	1			N	N									
82	61	A	0006	1			N	N									
90	61	A	0021	1			N	N	3625			30	.2	.0186	12	.04	.0186
95	61	A	0005	1			N	N	3625			30	.2	.0186	12	.04	.0186

Date: 09-APR-08  
Time: 04:28:43 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: VW462 8-0062/08  
Division: 2 VOLKSWAGEN  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0125246

Configuration: 0  
Model Year: 2009  
Carline: 292 PASSAT WAGON  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To: 2008  
Vehicle Purpose: 03 CERT FUEL ECONOMY  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL  
99 OTHER

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Idling

RPM: 760  
RPM Tolerance: 40  
Gear: N NEUTRAL  
A/C: YES

Design Vehicle Weights

Curb: 3474  
ETW: 3750  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 1962  
Empty Tank Axle: 1944  
40% Axle: 0  
Mfr Wt Units: P

Catalyst Preheating Method

0 NONE

Tire

Manufacturer: CONTINENTAL  
Construction: 2 RADIAL  
Size: 215/55R16  
Pressure Front: 33  
Pressure Rear: 33  
Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
Initial: 11  
Factor: .9879  
Units: M

Drive Train

Trans Config: 20 M6 MANUAL SIX SPEED  
Axle Ratio: 3.09  
NV Ratio: 39.2

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode

Running Change #:

Comments: MY 2008 VW PASSAT WAGON - 2.0L 4CYL TFSI W/M6 TRANS.- FEDV - ETW 3750 -TESTED AS FWD - 99 = DIRECT FUEL INJECTION

Date: 09-APR-08  
Time: 04:28:43 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI Vehicle ID : VW462 8-0062/08 Configuration: 0

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
B343	B Evap and Refue	2500	125 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCH/MED	18.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	0006	1			N	N	3750			34	.13	.0179	12	-.17	.02
11	27	A	0005	1			N	N	3750			37	.15	.0197	3	-.06	.0205
21	61	A	0005	1			N	N	3750			34	.13	.0179	12	-.17	.02
80	61	A	0005	1			N	N									
82	61	A	0006	1			N	N									
90	61	A	0021	1			N	N	3750			34	.13	.0179	12	-.17	.02
95	61	A	0005	1			N	N	3750			34	.13	.0179	12	-.17	.02

Date: 09-APR-08  
Time: 04:28:47 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: VW462 8-0062/08  
Division: 2 VOLKSWAGEN  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0125246

Configuration: 1  
Model Year: 2009  
Carline: 291 PASSAT  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To: 2008  
Vehicle Purpose: 03 CERT FUEL ECONOMY  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL  
99 OTHER

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Idling

RPM: 760  
RPM Tolerance: 40  
Gear: N NEUTRAL  
A/C: YES

Design Vehicle Weights

Curb: 3349  
ETW: 3625  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 1962  
Empty Tank Axle: 1962  
40% Axle: 0  
Mfr Wt Units: P

Catalyst Preheating Method

0 NONE

Tire

Manufacturer: CONTINENTAL  
Construction: 2 RADIAL  
Size: 215/55R16  
Pressure Front: 33  
Pressure Rear: 33  
Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
Initial: 11  
Factor: .9879  
Units: M

Drive Train

Trans Config: 20 M6 MANUAL SIX SPEED  
Axle Ratio: 3.09  
NV Ratio: 39.2

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode

Running Change #:

Comments: MY 2008 VW PASSAT - 2.0L 4CYL TFSI W/M6 TRANS.- FEDV - ETW 3625 -TESTED AS FWD - 99 = DIRECT FUEL INJECTION

Date: 09-APR-08  
Time: 04:28:47 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)

Page: 2

VEHICLE INFORMATION

DATABASE REPORT

Manufacturer: 640 AUDI

Vehicle ID : VW462 8-0062/08

Configuration: 1

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
B343	B Evap and Refue	2500	125 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCH/MED	18.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	HWA	1			N	N	3750			34	.13	.0179	6	-.13	.0195
11	27	A	FTA	1			N	N	3750			37	.15	.0197	7	-.06	.0208
21	61	A	FTA	1			N	N	3750			34	.13	.0179	6	-.13	.0195
80	61	A	0005	1			N	N									
82	61	A	0006	1			N	N									
90	61	A	US6A	1			N	N	3750			34	.13	.0179	6	-.13	.0195
95	61	A	FTA	1			N	N	3750			34	.13	.0179	6	-.13	.0195

Date: 09-APR-08  
Time: 04:28:33 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: VW462 8-0066/08  
Division: 2 VOLKSWAGEN  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0125246

Configuration: 0  
Model Year: 2009  
Carline: 292 PASSAT WAGON  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To: 2008  
Vehicle Purpose: 03 CERT FUEL ECONOMY  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL  
99 OTHER

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Tire  
Manufacturer: CONTINENTAL  
Construction: 2 RADIAL  
Size: 215/55R16  
Pressure Front: 33  
Pressure Rear: 33  
Pressure Units: PSI POUNDS PER SQUARE INCH

Idling

RPM: 760  
RPM Tolerance: 40  
Gear: N NEUTRAL  
A/C: YES

Odometer Correction

Sign: -  
Initial: 25  
Factor: .9877  
Units: M

Design Vehicle Weights

Curb: 3514  
ETW: 3875  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 2017  
Empty Tank Axle: 1997  
40% Axle: 0  
Mfr Wt Units: P

Drive Train  
Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
Axle Ratio: 3.5  
NV Ratio: 32.2

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #:

Comments: MY 2008 VW PASSAT WAGON - 2.0L 4CYL TFSI W/L6 TRANS.- EDV - ETW 3875 -TESTED AS FWD - 99 = DIRECT FUEL INJECTION



Date: 09-APR-08  
Time: 04:28:33 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI Vehicle ID : VW462 8-0066/08 Configuration: 0

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
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B343 B Evap and Refue 2500 125 grams HC 1

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCH/MED	18.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	HWA	1			N	N	3750			35	.51	.014	4	.36	.0143
11	27	A	FTA	1			N	N	3750			39	.56	.0154	0	.43	.0158
21	61	A	FTA	1			N	N	3750			35	.51	.014	4	.36	.0143
52	61	A	FTA	1			N	N	3750			35	.51	.014	4	.36	.0143
72	27	A		1			N	N	3750			39	.56	.0154	0	.43	.0158
80	61	A	FTA	1			N	N									
82	61	A	HWA	1			N	N									
90	61	A	US6A	1			N	N	3750			35	.51	.014	4	.36	.0143
95	61	A	FTA	1			N	N	3750			35	.51	.014	4	.36	.0143

Date: 09-APR-08  
Time: 04:28:38 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: VW462 8-0066/08  
Division: 2 VOLKSWAGEN  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0125246

Configuration: 1  
Model Year: 2009  
Carline: 291 PASSAT  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To: 2008  
Vehicle Purpose: 03 CERT FUEL ECONOMY  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL  
99 OTHER

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Idling

RPM: 760  
RPM Tolerance: 40  
Gear: N NEUTRAL  
A/C: YES

Design Vehicle Weights

Curb: 3389  
ETW: 3750  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 2002  
Empty Tank Axle: 1984  
40% Axle: 0  
Mfr Wt Units: P

Tire

Manufacturer: CONTINENTAL  
Construction: 2 RADIAL  
Size: 215/55R16  
Pressure Front: 33  
Pressure Rear: 33  
Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
Initial: 25  
Factor: .9877  
Units: M

Drive Train

Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
Axle Ratio: 3.5  
NV Ratio: 32.2

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #:

Comments: MY 2008 VW PASSAT - 2.0L 4CYL TFSI W/L6 TRANS.- FEDV - ETW 3750 -TESTED AS FWD - 99 = DIRECT FUEL INJECTION

Date: 09-APR-08  
Time: 04:28:38 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)

Page: 2

VEHICLE INFORMATION

DATABASE REPORT

Manufacturer: 640 AUDI

Vehicle ID : VW462 8-0066/08

Configuration: 1

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
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B343	B Evap and Refue	2500	125 grams HC	1		
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FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
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BOSCH/MED	18.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION
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TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	HWA	1			N	N	3750			35	.51	.014	-2	.46	.0138
11	27	A	FTA	1			N	N	3750			39	.56	.0154	-2	.51	.0152
21	61	A	FTA	1			N	N	3750			35	.51	.014	-2	.46	.0138
80	61	A	FTA	1			N	N									
82	61	A	HWA	1			N	N									
90	61	A	US6A	1			N	N	3750			35	.51	.014	-2	.46	.0138
95	61	A	FTA	1			N	N	3750			35	.51	.014	-2	.46	.0138

Date: 18-SEP-07  
 Time: 11:35:00 AM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 VEHICLE INFORMATION CAP2000  
 DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
 Vehicle ID: 6366-AAF  
 Division: 1 AUDI  
 Drive: 3 FRONT DRIVE STR LEFT  
 Source: 01 MANUFACTURER  
 Test Group: 9AD XV02.03UA  
 Evaporative/Refueling Family: 9ADXR0110238

Configuration: 0  
 Model Year: 2009  
 Carline: 65 A3  
 Catalyst: 3 3-WAY CATALYST  
 Model Year From/To: 2008  
 Vehicle Purpose: 01 CERT EMISSION  
 Turbo/Supercharger: T TURBOCHARGER  
 Evap System: 1

Engine Information

Engine Code: BPY  
 Engine Type: 01 OTTO SPARK  
 Crankcase System: 1  
 Cylinders: 4  
 Valves/Cylinder: 4  
 Displacement: 1984 CC CUBIC CENTIMETERS  
 Rated HP: 200  
 Compression Ratio: 10.3

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
 41 MULTIPLE POINT FUEL INJECTION  
 50 TURBOCHARGER  
 60 DETONATION SENSOR  
 62 ELECTRONIC CONTROLS-DIGITAL

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
 # 1 Before/After:  
 RPM:  
 RPM Tolerance:  
 Degree Tolerance:  
 Gear:

Idling

RPM: 750  
 RPM Tolerance: 50  
 Gear: N NEUTRAL  
 A/C: YES

Design Vehicle Weights

Curb: 3440  
 ETW: 3750  
 ETW Wt Units: P  
 Gross:  
 Full Tank Axle: 2077  
 Empty Tank Axle: 2077  
 40% Axle: 0  
 Mfr Wt Units: P

Tire

Manufacturer: CONTINENTAL  
 Construction: 2 RADIAL  
 Size: 205/55R16  
 Pressure Front: 38  
 Pressure Rear: 35  
 Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
 Initial: 63  
 Factor: .963  
 Units: M

Drive Train

Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
 Axle Ratio: 3.14  
 NV Ratio: 40.7

Sales Areas

CA CALIFORNIA  
 FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #:

Comments: MY 2006 AUDI A3 SPORTBACK - L6 TRANS. ETW 3750 - TESTED AS FWD



Date: 18-SEP-07  
 Time: 11:35:03 AM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 VEHICLE INFORMATION CAP2000  
 DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
 Vehicle ID: 6366-AAF  
 Division: 1 AUDI  
 Drive: 3 FRONT DRIVE STR LEFT  
 Source: 01 MANUFACTURER  
 Test Group: 9AD XV02.03UA  
 Evaporative/Refueling Family: 9ADXR0110238

Configuration: 1  
 Model Year: 2009  
 Carline: 65 A3  
 Catalyst: 3 3-WAY CATALYST  
 Model Year From/To: 2008  
 Vehicle Purpose: 01 CERT EMISSION  
 Turbo/Supercharger: T TURBOCHARGER  
 Evap System: 1

Engine Information

Engine Code: BPY  
 Engine Type: 01 OTTO SPARK  
 Crankcase System: 1  
 Cylinders: 4  
 Valves/Cylinder: 4  
 Displacement: 1984 CC CUBIC CENTIMETERS  
 Rated HP: 200  
 Compression Ratio: 10.3

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
 41 MULTIPLE POINT FUEL INJECTION  
 50 TURBOCHARGER  
 60 DETONATION SENSOR  
 62 ELECTRONIC CONTROLS-DIGITAL

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
 # 1 Before/After:  
 RPM:  
 RPM Tolerance:  
 Degree Tolerance:  
 Gear:

Idling

RPM: 750  
 RPM Tolerance: 50  
 Gear: N NEUTRAL  
 A/C: YES

Design Vehicle Weights

Curb: 3440  
 ETW: 3750  
 ETW Wt Units: P  
 Gross:  
 Full Tank Axle: 2077  
 Empty Tank Axle: 2077  
 40% Axle: 0  
 Mfr Wt Units: P

Tire  
 Manufacturer: CONTINENTAL  
 Construction: 2 RADIAL  
 Size: 205/55R16  
 Pressure Front: 38  
 Pressure Rear: 35  
 Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
 Initial: 63  
 Factor: .963  
 Units: M

Drive Train

Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
 Axle Ratio: 3.14  
 NV Ratio: 40.7

Sales Areas

CA CALIFORNIA  
 FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #:

Comments: MY 2006 AUDI A3 SPORTBACK - L6 TRANS. - ETW 3750 - PHASE 2 FUEL - CALIF. EVAP - TESTED AS FWD



Date: 09-APR-08  
Time: 09:57:54 AM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: 93UA-AAQ  
Division: 1 AUDI  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0110238

Configuration: 0  
Model Year: 2009  
Carline: 66 A3 QUATTRO  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To:  
Vehicle Purpose: 01 CERT EMISSION  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
41 MULTIPLE POINT FUEL INJECTION  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Tire  
Manufacturer: PIRELLI  
Construction: 2 RADIAL  
Size: 225/45R17  
Pressure Front: 38  
Pressure Rear: 35  
Pressure Units: PSI POUNDS PER SQUARE INCH

Idling

RPM: 760  
RPM Tolerance: 50  
Gear: N NEUTRAL  
A/C: YES

Odometer Correction

Sign: -  
Initial: 30  
Factor: .9943  
Units: M

Design Vehicle Weights

Curb: 3560  
ETW: 3875  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 2095  
Empty Tank Axle: 2095  
40% Axle: 0  
Mfr Wt Units: P

Drive Train  
Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
Axle Ratio: 4.06  
NV Ratio: 40.6

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #: 02

Comments: MY 2009 AUDI A3 QUATTRO - 2.0L 4CYL TFSI W/L6 TRANS.- FEDV - ETW 3875 -TESTED AS FWD





Date: 08-APR-08  
Time: 04:28:36 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: 93UA-TAQ  
Division: 1 AUDI  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0110238

Configuration: 0  
Model Year: 2009  
Carline: 37 TT COUPE QUATTRO  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To:  
Vehicle Purpose: 01 CERT EMISSION  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
41 MULTIPLE POINT FUEL INJECTION  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Tire  
Manufacturer: DUNLOP  
Construction: 2 RADIAL  
Size: 225/50R17  
Pressure Front: 32  
Pressure Rear: 29  
Pressure Units: PSI POUNDS PER SQUARE INCH

Idling

RPM: 760  
RPM Tolerance: 50  
Gear: N NEUTRAL  
A/C: YES

Odometer Correction

Sign: -  
Initial: 14  
Factor: .9559  
Units: M

Design Vehicle Weights

Curb: 3197  
ETW: 3500  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 1872  
Empty Tank Axle: 1872  
40% Axle: 0  
Mfr Wt Units: P

Drive Train  
Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
Axle Ratio: 4.06  
NV Ratio: 39.2

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #: 02

Comments: MY 2009 AUDI TT COUPE QUATTRO - 2.0L 4CYL TFSI W/L6 TRANS.- FEDV - ETW 3500 - TESTED AS FWD

Date: 08-APR-08  
Time: 04:28:36 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI

Vehicle ID : 93UA-TAQ

Configuration: 0

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
A444	B Evap and Refue	2200	110 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCHMED1	14.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	HWA	1			N	N				36	.35	.0167	8	.16	.0164
11	27	A	FTA	1			N	N				36	.35	.0167	8	.16	.0164
21	61	A	FTA	1			N	N				36	.35	.0167	8	.16	.0164
90	61	A	US6A	1			N	N				36	.35	.0167	8	.16	.0164
95	61	A	FTA	1			N	N				36	.35	.0167	8	.16	.0164

Date: 09-APR-08  
Time: 08:37:38 AM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: 93UA-TAQ  
Division: 1 AUDI  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0110238

Configuration: 1  
Model Year: 2009  
Carline: 38 TT ROADSTER QUATTRO  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To:  
Vehicle Purpose: 01 CERT EMISSION  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
41 MULTIPLE POINT FUEL INJECTION  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Tire  
Manufacturer: DUNLOP  
Construction: 2 RADIAL  
Size: 225/50R17  
Pressure Front: 32  
Pressure Rear: 29  
Pressure Units: PSI POUNDS PER SQUARE INCH

Idling

RPM: 760  
RPM Tolerance: 50  
Gear: N NEUTRAL  
A/C: YES

Odometer Correction

Sign: -  
Initial: 14  
Factor: .9559  
Units: M

Design Vehicle Weights

Curb: 3362  
ETW: 3625  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 1949  
Empty Tank Axle: 1949  
40% Axle: 0  
Mfr Wt Units: P

Drive Train  
Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
Axle Ratio: 4.06  
NV Ratio: 39.2

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #: 02

Comments: MY 2009 AUDI TT ROADSTER QUATTRO - 2.0L 4CYL TFSI W/L6 TRANS.- FEDV - ETW 3500 -TESTED AS FWD

Date: 09-APR-08  
Time: 08:37:38 AM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI

Vehicle ID : 93UA-TAQ

Configuration: 1

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
A444	B Evap and Refue	2200	110 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCHMED1	14.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	HWA	1			N	N				37	.35	.0176	10	-.06	.0198
11	27	A	FTA	1			N	N				37	.35	.0176	10	-.06	.0198
21	61	A	FTA	1			N	N				37	.35	.0176	10	-.06	.0198
90	61	A	US6A	1			N	N				37	.35	.0176	10	-.06	.0198
95	61	A	FTA	1			N	N				37	.35	.0176	10	-.06	.0198

Date: 15-MAY-08  
 Time: 12:28:16 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 VEHICLE INFORMATION CAP2000  
 DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
 Vehicle ID: VW465 790007/09  
 Division: 2 VOLKSWAGEN  
 Drive: 3 FRONT DRIVE STR LEFT  
 Source: 01 MANUFACTURER  
 Test Group: 9AD XV02.03UA  
 Evaporative/Refueling Family: 9ADXR0110238

Configuration: 0  
 Model Year: 2009  
 Carline: 216 EOS  
 Catalyst: 3 3-WAY CATALYST  
 Model Year From/To:  
 Vehicle Purpose: 03 CERT FUEL ECONOMY  
 Turbo/Supercharger: T TURBOCHARGER  
 Evap System: 1

Engine Information

Engine Code: CCTA  
 Engine Type: 01 OTTO SPARK  
 Crankcase System: 1  
 Cylinders: 4  
 Valves/Cylinder: 4  
 Displacement: 1984 CC CUBIC CENTIMETERS  
 Rated HP: 200  
 Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
 50 TURBOCHARGER  
 60 DETONATION SENSOR  
 62 ELECTRONIC CONTROLS-DIGITAL  
 99 OTHER

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
 # 1 Before/After:  
 RPM:  
 RPM Tolerance:  
 Degree Tolerance:  
 Gear:

Idling

RPM: 760  
 RPM Tolerance: 40  
 Gear: N NEUTRAL  
 A/C: YES

Design Vehicle Weights

Curb: 3567  
 ETW: 3875  
 ETW Wt Units: P  
 Gross:  
 Full Tank Axle: 2061  
 Empty Tank Axle: 2061  
 40% Axle: 0  
 Mfr Wt Units: P

Tire

Manufacturer: PIRELLI  
 Construction: 2 RADIAL  
 Size: 235/40R18  
 Pressure Front: 35  
 Pressure Rear: 35  
 Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
 Initial: 6  
 Factor: .9978  
 Units: M

Drive Train

Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
 Axle Ratio: 3.14  
 NV Ratio: 32.4

Sales Areas

CA CALIFORNIA  
 FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #: 03

Comments: MY 2009 VW EOS - 2.0L I-4 TFSI W/L6 (DQ) TRANS.- FEDV - ETW 3875 - TESTED AS FWD - 99 = DIRECT FUEL INJECTION

Date: 15-MAY-08  
Time: 12:28:16 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)

Page: 2

VEHICLE INFORMATION

DATABASE REPORT

Manufacturer: 640 AUDI

Vehicle ID : VW465 790007/09

Configuration: 0

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
A343	B Evap and Refue	2200	110 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCHMED1	14.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	HWA	1			N	N				39	.29	.0171	16	.17	.0165
11	27	A	FTA	1			N	N				42	.32	.0187	14	.14	.0195
21	61	A	FTA	1			N	N				39	.29	.0171	16	.17	.0165
80	61	A	FTA	1			N	N									
82	61	A	HWA	1			N	N									
90	61	A	US6A	1			N	N				39	.29	.0171	16	.17	.0165
95	61	A	FTA	1			N	N				39	.29	.0171	16	.17	.0165

Date: 15-MAY-08  
Time: 12:28:20 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: VW465 790008/09  
Division: 2 VOLKSWAGEN  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0110238

Configuration: 0  
Model Year: 2009  
Carline: 216 EOS  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To:  
Vehicle Purpose: 03 CERT FUEL ECONOMY  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CCTA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 200  
Compression Ratio: 9.6

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL  
99 OTHER

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Idling

RPM: 760  
RPM Tolerance: 40  
Gear: N NEUTRAL  
A/C: YES

Design Vehicle Weights

Curb: 3501  
ETW: 3750  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 1997  
Empty Tank Axle: 1962  
40% Axle: 0  
Mfr Wt Units: P

Tire

Manufacturer: PIRELLI  
Construction: 2 RADIAL  
Size: 235/40R18  
Pressure Front: 35  
Pressure Rear: 35  
Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
Initial: 7  
Factor: .9983  
Units: M

Drive Train

Trans Config: 20 M6 MANUAL SIX SPEED  
Axle Ratio: 3.09  
NV Ratio: 39.1

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode

Running Change #: 03

Comments: MY 2009 VW EOS - 2.0L I-4 TFSI W/M6 TRANS.- FEDV - ETW 3750 - TESTED AS FWD - 99 = DIRECT FUEL INJECTION



Date: 15-MAY-08  
Time: 12:28:20 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI Vehicle ID : VW465 790008/09 Configuration: 0

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
A343	B Evap and Refue	2200	110 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCHMED1	14.5 GALLONS		G GASOLINE	16 DIRECT FUEL INJECTION

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	0006	1			N	N				37	.13	.0185	9	.01	.0186
11	27	A	0005	1			N	N				41	.15	.0204	17	-.05	.0213
21	61	A	0005	1			N	N				37	.13	.0185	9	.01	.0186
80	61	A	0005	1			N	N									
82	61	A	0006	1			N	N									
90	61	A	0021	1			N	N				37	.13	.0185	9	.01	.0186
95	61	A	0005	1			N	N				37	.13	.0185	9	.01	.0186

Date: 06-JUN-08  
Time: 12:08:58 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: 93UA-TTS  
Division: 1 AUDI  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0110238

Configuration: 0  
Model Year: 2009  
Carline: 37 TT COUPE QUATTRO  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To:  
Vehicle Purpose: 03 CERT FUEL ECONOMY  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CDMA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 265  
Compression Ratio: 9.8

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
41 MULTIPLE POINT FUEL INJECTION  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Idling

RPM: 760  
RPM Tolerance: 50  
Gear: N NEUTRAL  
A/C: YES

Design Vehicle Weights

Curb: 3285  
ETW: 3625  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 1925  
Empty Tank Axle: 1925  
40% Axle: 0  
Mfr Wt Units: P

Tire

Manufacturer: PIRELLI  
Construction: 2 RADIAL  
Size: 245/40R18  
Pressure Front: 32  
Pressure Rear: 29  
Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
Initial: 24  
Factor: .967  
Units: M

Drive Train

Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
Axle Ratio: 4.77  
NV Ratio: 41

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #: 04

Comments: MY 2009 AUDI TTS COUPE - 2.0L I-4 TFSI W/L6 (DQ) TRANS.- FEDV - ETW 3625 - TESTED AS FWD

Date: 06-JUN-08  
Time: 12:08:58 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI Vehicle ID : 93UA-TTS Configuration: 0

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
A444	B Evap and Refue	2200	110 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCH/MED	14.5 GALLONS		G GASOLINE	8 ELECTRIC MPI - SEQUENTIAL

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	HWA	1			N	N	3625			37	.35	.0164	14	.14	.0169
11	27	A	FTA	1			N	N	3625			37	.35	.0164	14	.14	.0169
21	61	A	FTA	1			N	N	3625			37	.35	.0164	14	.14	.0169
80	61	A	FTA	1			N	N	3625								
82	61	A	HWA	1			N	N	3625								
90	61	A	US6A	1			N	N	3625			37	.35	.0164	14	.14	.0169
95	61	A	FTA	1			N	N	3625			37	.35	.0164	14	.14	.0169

Date: 06-JUN-08  
Time: 01:49:34 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION CAP2000  
DATABASE REPORT

Page: 1

Manufacturer: 640 AUDI  
Vehicle ID: 93UA-TTS  
Division: 1 AUDI  
Drive: 3 FRONT DRIVE STR LEFT  
Source: 01 MANUFACTURER  
Test Group: 9AD XV02.03UA  
Evaporative/Refueling Family: 9ADXR0110238

Configuration: 1  
Model Year: 2009  
Carline: 38 TT ROADSTER QUATTRO  
Catalyst: 3 3-WAY CATALYST  
Model Year From/To:  
Vehicle Purpose: 03 CERT FUEL ECONOMY  
Turbo/Supercharger: T TURBOCHARGER  
Evap System: 1

Engine Information

Engine Code: CDMA  
Engine Type: 01 OTTO SPARK  
Crankcase System: 1  
Cylinders: 4  
Valves/Cylinder: 4  
Displacement: 1984 CC CUBIC CENTIMETERS  
Rated HP: 265  
Compression Ratio: 9.8

Exhaust Emission Related Components

15 THREE-WAY CATALYST HEATED O2  
41 MULTIPLE POINT FUEL INJECTION  
50 TURBOCHARGER  
60 DETONATION SENSOR  
62 ELECTRONIC CONTROLS-DIGITAL

Catalyst Preheating Method

0 NONE

Ignition Timing

# 1:  
# 1 Before/After:  
RPM:  
RPM Tolerance:  
Degree Tolerance:  
Gear:

Idling

RPM: 760  
RPM Tolerance: 50  
Gear: N NEUTRAL  
A/C: YES

Design Vehicle Weights

Curb: 3428  
ETW: 3750  
ETW Wt Units: P  
Gross:  
Full Tank Axle: 1980  
Empty Tank Axle: 1980  
40% Axle: 0  
Mfr Wt Units: P

Tire

Manufacturer: PIRELLI  
Construction: 2 RADIAL  
Size: 245/40R18  
Pressure Front: 32  
Pressure Rear: 29  
Pressure Units: PSI POUNDS PER SQUARE INCH

Odometer Correction

Sign: -  
Initial: 24  
Factor: .967  
Units: M

Drive Train

Trans Config: 26 L6 LOCK-UP/AUTOMATIC/6-SPEED  
Axle Ratio: 4.77  
NV Ratio: 41

Sales Areas

CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Multimode 0 OTHER

Running Change #: 04

Comments: MY 2009 AUDI TTS ROADSTER - 2.0L I-4 TFSI W/L6 (DQ) TRANS.- FEDV - ETW 3750 - TESTED AS FWD

Date: 06-JUN-08  
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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
VEHICLE INFORMATION  
DATABASE REPORT

Page: 2

Manufacturer: 640 AUDI

Vehicle ID : 93UA-TTS

Configuration: 1

EVAPORATIVE SYSTEMS

Evaporative Emission Code	Canister Type	Canister Bed Vol(CC)	Canister Working Cap	No of Canisters	Alt Canister Loading Rate	Evaporative Emission Control System
A444	B Evap and Refue	2200	110 grams HC	1		102 CANISTER

FUEL SYSTEMS

Fuel System Mfr/Model	Main Tank Capacity	Auxiliary Tank Capacity	Fuel Type	Fuel System
BOSCH/MED	14.5 GALLONS		G GASOLINE	8 ELECTRIC MPI - SEQUENTIAL

TEST PROCEDURE FUEL

Test Proc	Fuel Type	SS DB	SS ID	SIL	TP DD	TP ID	Side Fan	AC HP	ETW CoastDn	Mfr CoastDn	Dyno HP	Target Coeff A	Target Coeff B	Target Coeff C	Set Coeff A	Set Coeff B	Set Coeff C
3	61	A	HWA	1			N	N	3625			38	.35	.0174	16	.13	.0181
11	27	A	FTA	1			N	N	3625			38	.35	.0174	16	.13	.0181
21	61	A	FTA	1			N	N	3625			38	.35	.0174	16	.13	.0181
80	61	A	FTA	1			N	N	3625								
82	61	A	HWA	1			N	N	3625								
90	61	A	US6A	1			N	N	3625			38	.35	.0174	16	.13	.0181
95	61	A	FTA	1			N	N	3625			38	.35	.0174	16	.13	.0181

Section 7	Pg. 1	Test Results	Engine Code	R.CH-No.:	Revision Date
Test Group		9AD XV02.03UA	all		

**7. Test Results**

Please refer to included summary sheets.

Summary Sheet            640T2-01  
Combination of:  
Test Group:                9AD XV02.03UA  
EVAP/Refueling Family: 9AD XR0125241

Please refer to included summary sheets.

Summary Sheet            640T2-02  
Combination of:  
Test Group:                9AD XV02.03UA  
EVAP/Refueling Family: 9AD XR0110238

Please refer to included summary sheets.

Summary Sheet            640T2-03  
Combination of:  
Test Group:                9AD XV02.03UA  
EVAP/Refueling Family: 9AD XR0125246



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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: ADX AUDI  
 Summary Sheet Index Number: 640T2-01 Certificate Number:  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----  
 Vehicle ID: VW416 8-0217/09 Transmission: 26 L6  
 Vehicle Configuration: 0 Engine Code: CCTA  
 Carline Name: TIGUAN Axle Ratio: 4.24  
 Fuel: TIER 2 UNLEADED N/V Ratio: 37.1  
 Displacement: 1964.0 CC Compression Ratio: 9.6  
 Rated HP: 200 High Altitude:  
 Test Weight: 4000 Test Procedure Code: 3 HWFE (HIGHWAY TEST)  
 Running Change: 01 Test Number: 1080421  
 Fuel System: DIRECT FUEL INJECTION Test Sales Area: CALIFORNIA  
 Catalyst: 3-WAY CATALYST Turbo/Supercharger: TURBOCHARGER  
 Dynamometer Power A  
 Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
 Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
 Aged Emission Components: N/A  
 Exhaust Emission Related Components: 15 THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER  
 60 DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL  
 99 OTHER  
 -----

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 NOX-HWY	.004		.007	1	.011	0.090	U2
50,000 NOX-HWY	.004		.003	1	.01	0.07	U2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: ADX AUDI  
 Summary Sheet Index Number: 640T2-01 Certificate Number:  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	COLD CO PREMIUM(Tier 2)	N/V Ratio:	37.1	
Displacement:	1964.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	11	COLD CO
Running Change:	01	Test Number:	1080425	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	

Dynamometer Power A  
 Dynamometer Target Coefficients: a = 48 b = .52 c = .025  
 Dynamometer Set Coefficients: a = 16 b = .48 c = .0235  
 Aged Emission Components: N/A

Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

-----  
 Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
50,000 CO-COLD	2.89		0	1	2.89	10.00	N/A

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: ADX AUDI  
 Summary Sheet Index Number: 640T2-01 Certificate Number:  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----  
 Vehicle ID: VW416 8-0217/09 Transmission: 26 L6  
 Vehicle Configuration: 0 Engine Code: CCTA  
 Carline Name: TIGUAN Axle Ratio: 4.24  
 Fuel: TIER 2 UNLEADED N/V Ratio: 37.1  
 Displacement: 1964.0 CC Compression Ratio: 9.6  
 Rated HP: 200 High Altitude:  
 Test Weight: 4000 Test Procedure Code: 21 FED FUEL 2 DAY EXH (BUTANE LOAD)  
 Running Change: 01 Test Number: 1080420  
 Fuel System: DIRECT FUEL INJECTION Test Sales Area: CALIFORNIA  
 Catalyst: 3-WAY CATALYST Turbo/Supercharger: TURBOCHARGER  
 Dynamometer Power A  
 Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
 Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
 Aged Emission Components: N/A  
 Exhaust Emission Related Components: 15 THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER  
 60 DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL  
 99 OTHER  
 -----

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 CO	.23		0	1	.23	2.10	U2
50,000 CO	.23		0	1	.23	1.70	U2
120,000 NMOG	.0167	1	.0106	1	.0273	0.0550	U2
50,000 NMOG	.0167	1	.0044	1	.0211	0.0400	U2
120,000 NOX	.022		.007	1	.029	0.070	U2
50,000 NOX	.022		.003	1	.025	0.050	U2

\* SFTP(Supplemental Federal Test Procedure) test numbers for the composite HC-NM and CO(optional) certificate levels:  
 1080422(US06), 1080429(SC03).

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: ADX AUDI  
 Summary Sheet Index Number: 640T2-01 Certificate Number:  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1964.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	52 FED FUEL 50 DEG(F) EXHAUST TEST	
Running Change:	01	Test Number:	1080424	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	

Dynamometer Power A  
 Dynamometer Target Coefficients: a = 44                      b = .47                      c = .0228  
 Dynamometer Set Coefficients: a = 12                        b = .4                        c = .022  
 Aged Emission Components: N/A

Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

-----  
 Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
N/A 50-CO	.17		0	1	.17	1.70	U2
N/A 50-NMOG	.0208	1	0	1	.0208	0.0800	U2
N/A 50-NOX	.024		0	1	.024	0.050	U2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: ADX AUDI  
 Summary Sheet Index Number: 640T2-01 Certificate Number:  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1964.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	90 US06	
Running Change:	01	Test Number:	1080422	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	

Dynamometer Power A  
 Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
 Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
 Aged Emission Components: N/A

Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

-----  
 Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
4,000 CO-US06	4.35				4.35	8.00	N/A
4,000 HC-NM US0	.03				.030	0.140	N/A

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: ADX AUDI  
 Summary Sheet Index Number: 640T2-01 Certificate Number:  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----  
 Vehicle ID: VW416 8-0217/09 Transmission: 26 L6  
 Vehicle Configuration: 0 Engine Code: CCTA  
 Carline Name: TIGUAN Axle Ratio: 4.24  
 Fuel: TIER 2 UNLEADED N/V Ratio: 37.1  
 Displacement: 1964.0 CC Compression Ratio: 9.6  
 Rated HP: 200 High Altitude:  
 Test Weight: 4000 Test Procedure Code: 95 SC03  
 Running Change: 01 Test Number: 1080429  
 Fuel System: DIRECT FUEL INJECTION Test Sales Area: CALIFORNIA  
 Catalyst: 3-WAY CATALYST Turbo/Supercharger: TURBOCHARGER  
 Dynamometer Power A  
 Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
 Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
 Aged Emission Components: N/A  
 Exhaust Emission Related Components: 15 THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER  
 60 DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL  
 99 OTHER  
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Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
4,000 CO-SC03	1.46				1.46	2.70	N/A
4,000 HC-NM SC0	.0352				.035	0.200	N/A

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: ADX AUDI  
 Summary Sheet Index Number: 640T2-01 Certificate Number:  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----  
 Vehicle ID: VW416 8-0217/09 Transmission: 26 L6  
 Vehicle Configuration: 0 Engine Code: CCTA  
 Carline Name: TIGUAN Axle Ratio: 4.24  
 Fuel: TIER 2 UNLEADED N/V Ratio: 37.1  
 Displacement: 1964.0 CC Compression Ratio: 9.6  
 Rated HP: 200 High Altitude:  
 Test Weight: 4000 Test Procedure Code: 3 HWFE (HIGHWAY TEST)  
 Running Change: 01 Test Number: 1080421  
 Fuel System: DIRECT FUEL INJECTION Test Sales Area: FEDERAL ALL ALTITUDE  
 Catalyst: 3-WAY CATALYST Turbo/Supercharger: TURBOCHARGER  
 Dynamometer Power A  
 Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
 Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
 Aged Emission Components: N/A  
 Exhaust Emission Related Components: 15 THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER  
 60 DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL  
 99 OTHER  
 -----

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 NOX-HWY	.004		.007	1	.011	0.090	B5
50,000 NOX-HWY	.004		.003	1	.01	0.07	B5

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: ADX AUDI  
 Summary Sheet Index Number: 640T2-01 Certificate Number:  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----  
 Vehicle ID: VW416 8-0217/09 Transmission: 26 L6  
 Vehicle Configuration: 0 Engine Code: CCTA  
 Carline Name: TIGUAN Axle Ratio: 4.24  
 Fuel: COLD CO PREMIUM(Tier 2) N/V Ratio: 37.1  
 Displacement: 1964.0 CC Compression Ratio: 9.6  
 Rated HP: 200 High Altitude:  
 Test Weight: 4000 Test Procedure Code: 11 COLD CO  
 Running Change: 01 Test Number: 1080425  
 Fuel System: DIRECT FUEL INJECTION Test Sales Area: FEDERAL ALL ALTITUDE  
 Catalyst: 3-WAY CATALYST Turbo/Supercharger: TURBOCHARGER  
 Dynamometer Power A  
 Dynamometer Target Coefficients: a = 48 b = .52 c = .025  
 Dynamometer Set Coefficients: a = 16 b = .48 c = .0235  
 Aged Emission Components: N/A  
 Exhaust Emission Related Components: 15 THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER  
 60 DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL  
 99 OTHER  
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Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
50,000 CO-COLD	2.89		0	1	2.89	10.00	N/A

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-01	Certificate Number:		
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

-----	-----
Vehicle ID: VW416 8-0217/09	Transmission: 26 L6
Vehicle Configuration: 0	Engine Code: CCTA
Carline Name: TIGUAN	Axle Ratio: 4.24
Fuel: TIER 2 UNLEADED	N/V Ratio: 37.1
Displacement: 1964.0 CC	Compression Ratio: 9.6
Rated HP: 200	High Altitude:
Test Weight: 4000	Test Procedure Code: 21 FED FUEL 2 DAY EXH (BUTANE LOAD)
Running Change: 01	Test Number: 1080420
Fuel System: DIRECT FUEL INJECTION	Test Sales Area: FEDERAL ALL ALTITUDE
Catalyst: 3-WAY CATALYST	Turbo/Supercharger: TURBOCHARGER
Dynamometer Power A	
Dynamometer Target Coefficients: a = 44      b = .47      c = .0228	
Dynamometer Set Coefficients: a = 12      b = .4      c = .022	
Aged Emission Components: N/A	
Exhaust Emission Related Components: 15      THREE-WAY CATALYST HEATED O2      50      TURBOCHARGER	
60      DETONATION SENSOR      62      ELECTRONIC CONTROLS-DIGITAL	
99      OTHER	

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 Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 CO	.23		0	1	.23	4.20	B5
50,000 CO	.23		0	1	.23	3.40	B5
120,000 HC-NM COM	.0524			1	.052	0.650	B5
120,000 NMOG	.0167	1	.0106	1	.0273	0.0900	B5
50,000 NMOG	.0167	1	.0044	1	.0211	0.0750	B5
120,000 NOX	.022		.007	1	.029	0.070	B5
50,000 NOX	.022		.003	1	.025	0.050	B5
120,000 PM-COMP						0.07	N/A

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Summary Sheet Version Number:	0	Vehicle Manufacturer:	640	AUDI
Summary Sheet Index Number:	640T2-01	Engine Manufacturer:	ADX	AUDI
Test Group:	9AD XV02.03UA	Certificate Number:		
Engine System:	1	Vehicle Sales Area:	CA	CALIFORNIA
Evaporative/Refueling Family:	9ADXR0125241		FA	FEDERAL ALL ALTITUDE
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1964.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	21	FED FUEL 2 DAY EXH (BUTANE LOAD)
Running Change:	01	Test Number:	1080420	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL	ALL ALTITUDE
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228	
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

\* SFTP(Supplemental Federal Test Procedure) test numbers for the composite HC-NM and CO(optional) certificate levels:  
 1080422(US06), 1080429(SC03).

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: ADX AUDI  
 Summary Sheet Index Number: 640T2-01 Certificate Number:  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	COLD CO PREMIUM(Tier 2)	N/V Ratio:	37.1	
Displacement:	1964.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	72	CST TWO SPEED IDLE TEST
Running Change:	01	Test Number:	1080440	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	

Dynamometer Power A  
 Dynamometer Target Coefficients: a = 48 b = .52 c = .025  
 Dynamometer Set Coefficients: a = 16 b = .48 c = .0235  
 Aged Emission Components: N/A

Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

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 Exhaust Emission

Useful Life	Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000	CO-ST2500	0		0	1	0.00	0.50	N/A
120,000	CO-STI	0		0	1	0.00	0.50	N/A
120,000	HC-ST2500	2		0	1	2.0	100.0	N/A
120,000	HC-STI	2		0	1	2.0	100.0	N/A

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Date: 07-FEB-08  
Time: 01:52:19 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
SUMMARY SHEET  
DATABASE REPORT

EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640 AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX AUDI
Summary Sheet Index Number:	640T2-01	Certificate Number:	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA CALIFORNIA
Engine System:	1		FA FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241		
Evaporative System:	1		

-----	-----
Vehicle ID: VW416 8-0217/09	Transmission: 26 L6
Vehicle Configuration: 0	Engine Code: CCTA
Carline Name: TIGUAN	Axle Ratio: 4.24
Fuel: TIER 2 UNLEADED	N/V Ratio: 37.1
Displacement: 1964.0 CC	Compression Ratio: 9.6
Rated HP: 200	High Altitude:
Test Weight: 4000	Test Procedure Code: 90 US06
Running Change: 01	Test Number: 1080422
Fuel System: DIRECT FUEL INJECTION	Test Sales Area: FEDERAL ALL ALTITUDE
Catalyst: 3-WAY CATALYST	Turbo/Supercharger: TURBOCHARGER
Dynamometer Power A	
Dynamometer Target Coefficients: a = 44      b = .47      c = .0228	
Dynamometer Set Coefficients: a = 12      b = .4      c = .022	
Aged Emission Components: N/A	
Exhaust Emission Related Components: 15 THREE-WAY CATALYST HEATED O2      50 TURBOCHARGER	
60 DETONATION SENSOR      62 ELECTRONIC CONTROLS-DIGITAL	
99 OTHER	

-----  
Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
-----							
120,000 CO-US06	4.35		0	1	4.35	11.10	B5
4,000 CO-US06	4.35				4.35	8.00	N/A
4,000 HC-NM US0	.03				.030	0.140	N/A

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
SUMMARY SHEET  
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EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
Summary Sheet Version Number: 0 Engine Manufacturer: ADX AUDI  
Summary Sheet Index Number: 640T2-01 Certificate Number:  
Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
Engine System: 1 FA FEDERAL ALL ALTITUDE  
Evaporative/Refueling Family: 9ADXR0125241  
Evaporative System: 1

-----  
Vehicle ID: VW416 8-0217/09 Transmission: 26 L6  
Vehicle Configuration: 0 Engine Code: CCTA  
Carline Name: TIGUAN Axle Ratio: 4.24  
Fuel: TIER 2 UNLEADED N/V Ratio: 37.1  
Displacement: 1964.0 CC Compression Ratio: 9.6  
Rated HP: 200 High Altitude:  
Test Weight: 4000 Test Procedure Code: 95 SC03  
Running Change: 01 Test Number: 1080429  
Fuel System: DIRECT FUEL INJECTION Test Sales Area: FEDERAL ALL ALTITUDE  
Catalyst: 3-WAY CATALYST Turbo/Supercharger: TURBOCHARGER  
Dynamometer Power A  
Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
Aged Emission Components: N/A  
Exhaust Emission Related Components: 15 THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER  
60 DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL  
99 OTHER  
-----

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 CO-SC03	1.46		0	1	1.46	3.70	B5
4,000 CO-SC03	1.46				1.46	2.70	N/A
4,000 HC-NM SC0	.0352				.035	0.200	N/A

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
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 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: AUDI  
 Summary Sheet Index Number: 640T2-01 Certificate Number:  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

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Vehicle ID: VW416 8-0217/09 Transmission: 26 L6
Vehicle Configuration: 0 Engine Code: CCTA
Carline Name: TIGUAN Axle Ratio: 4.24
Fuel: TIER 2 UNLEADED N/V Ratio: 37.1
Displacement: 1964.0 CC Compression Ratio: 9.6
Rated HP: 200 High Altitude:
Test Weight: 4000 Test Procedure Code: 23 FED FUEL 2 DAY EVAP (BUTANE)
Running Change: 01 Test Number: 1080442
Fuel System: DIRECT FUEL INJECTION Test Sales Area: CALIFORNIA
Catalyst: 3-WAY CATALYST
Dynamometer Power Absorption: Turbo/Supercharger: TURBOCHARGER
Dynamometer Target Coefficients: a = 44 b = .47 c = .0228
Dynamometer Set Coefficients: a = 12 b = .4 c = .022
Aged Emission Components: N/A
Exhaust Emission Related Component 15 THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER
60 DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL
99 OTHER
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Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
150,000	HC-TEV-2D	.5	0	1	.50	0.65	C2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
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EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: AUDI  
 Summary Sheet Index Number: 640T2-01 Certificate Number:  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

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Vehicle ID: VW416 8-0217/09 Transmission: 26 L6
Vehicle Configuration: 0 Engine Code: CCTA
Carline Name: TIGUAN Axle Ratio: 4.24
Fuel: TIER 2 UNLEADED N/V Ratio: 37.1
Displacement: 1964.0 CC Compression Ratio: 9.6
Rated HP: 200 High Altitude:
Test Weight: 4000 Test Procedure Code: 24 FED FUEL REFUEL (ORVR) (BUTANE)
Running Change: 01 Test Number: 1080441
Fuel System: DIRECT FUEL INJECTION Test Sales Area: CALIFORNIA
Catalyst: 3-WAY CATALYST
Dynamometer Power Absorption: Turbo/Supercharger: TURBOCHARGER
Dynamometer Target Coefficients: a = 44 b = .47 c = .0228
Dynamometer Set Coefficients: a = 12 b = .4 c = .022
Aged Emission Components: N/A
Exhaust Emission Related Component 15 THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER
60 DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL
99 OTHER
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```

Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
150,000	HC-ORVR	.028	.003	1	.031	0.200	C2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
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EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: AUDI  
 Summary Sheet Index Number: 640T2-01 Certificate Number:  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

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-----
Vehicle ID: VW416 8-0217/09 Transmission: 26 L6
Vehicle Configuration: 0 Engine Code: CCTA
Carline Name: TIGUAN Axle Ratio: 4.24
Fuel: TIER 2 UNLEADED N/V Ratio: 37.1
Displacement: 1964.0 CC Compression Ratio: 9.6
Rated HP: 200 High Altitude:
Test Weight: 4000 Test Procedure Code: 34 FED FUEL 3 DAY EVAP (BUTANE LOAD)
Running Change: 01 Test Number: 1080443
Fuel System: DIRECT FUEL INJECTION Test Sales Area: CALIFORNIA
Catalyst: 3-WAY CATALYST
Dynamometer Power Absorption: Turbo/Supercharger: TURBOCHARGER
Dynamometer Target Coefficients: a = 44 b = .47 c = .0228
Dynamometer Set Coefficients: a = 12 b = .4 c = .022
Aged Emission Components: N/A
Exhaust Emission Related Component 15 THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER
60 DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL
99 OTHER
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Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
150,000	HC-RL	0	0	1	0.00	0.05	C2
150,000	HC-TEV-3D	.41	0	1	.41	0.50	C2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: AUDI  
 Summary Sheet Index Number: 640T2-01 Certificate Number:  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----  
 Vehicle ID: VW416 8-0217/09 Transmission: 26 L6  
 Vehicle Configuration: 0 Engine Code: CCTA  
 Carline Name: TIGUAN Axle Ratio: 4.24  
 Fuel: TIER 2 UNLEADED N/V Ratio: 37.1  
 Displacement: 1964.0 CC Compression Ratio: 9.6  
 Rated HP: 200 High Altitude:  
 Test Weight: 4000 Test Procedure Code: 23 FED FUEL 2 DAY EVAP (BUTANE)  
 Running Change: 01 Test Number: 1080442  
 Fuel System: DIRECT FUEL INJECTION Test Sales Area: FEDERAL ALL ALTITUDE  
 Catalyst: 3-WAY CATALYST  
 Dynamometer Power Absorption: Turbo/Supercharger: TURBOCHARGER  
 Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
 Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
 Aged Emission Components: N/A  
 Exhaust Emission Related Component 15 THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER  
 60 DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL  
 99 OTHER  
 -----

Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000	HC-TEV-2D	.5	0	1	.50	1.20	T2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
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EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: AUDI  
 Summary Sheet Index Number: 640T2-01 Certificate Number:  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----  
 Vehicle ID: VW416 8-0217/09 Transmission: 26 L6  
 Vehicle Configuration: 0 Engine Code: CCTA  
 Carline Name: TIGUAN Axle Ratio: 4.24  
 Fuel: TIER 2 UNLEADED N/V Ratio: 37.1  
 Displacement: 1964.0 CC Compression Ratio: 9.6  
 Rated HP: 200 High Altitude:  
 Test Weight: 4000 Test Procedure Code: 24 FED FUEL REFUEL (ORVR) (BUTANE)  
 Running Change: 01 Test Number: 1080441  
 Fuel System: DIRECT FUEL INJECTION Test Sales Area: FEDERAL ALL ALTITUDE  
 Catalyst: 3-WAY CATALYST  
 Dynamometer Power Absorption: Turbo/Supercharger: TURBOCHARGER  
 Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
 Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
 Aged Emission Components: N/A  
 Exhaust Emission Related Component 15 THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER  
 60 DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL  
 99 OTHER  
 -----

Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000	HC-ORVR	.028	.002	1	.030	0.200	T2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: AUDI  
 Summary Sheet Index Number: 640T2-01 Certificate Number:  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----  
 Vehicle ID: VW416 8-0217/09 Transmission: 26 L6  
 Vehicle Configuration: 0 Engine Code: CCTA  
 Carline Name: TIGUAN Axle Ratio: 4.24  
 Fuel: TIER 2 UNLEADED N/V Ratio: 37.1  
 Displacement: 1964.0 CC Compression Ratio: 9.6  
 Rated HP: 200 High Altitude:  
 Test Weight: 4000 Test Procedure Code: 34 FED FUEL 3 DAY EVAP (BUTANE LOAD)  
 Running Change: 01 Test Number: 1080443  
 Fuel System: DIRECT FUEL INJECTION Test Sales Area: FEDERAL ALL ALTITUDE  
 Catalyst: 3-WAY CATALYST  
 Dynamometer Power Absorption: Turbo/Supercharger: TURBOCHARGER  
 Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
 Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
 Aged Emission Components: N/A  
 Exhaust Emission Related Component 15 THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER  
 60 DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL  
 99 OTHER  
 -----

Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000	HC-RL	0	0	1	0.00	0.05	T2
120,000	HC-TEV-3D	.41	0	1	.41	0.95	T2

-----

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
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VEHICLES COVERED BY CERTIFICATE

Summary Sheet Version Number: 0	Vehicle Manufacturer: 640	AUDI
Summary Sheet Index Number: 640T2-01	Engine Manufacturer: ADX	AUDI
Test Group: 9AD XV02.03UA	Engine System: 1	
Evaporative/Refueling Family: 9AD XR0125241	Evaporative System: 1	

Division	Carline	Sales Area Code and Description
VOLKSWAGEN	160 TIGUAN	CA CALIFORNIA
VOLKSWAGEN	165 TIGUAN 4MOTION	CA CALIFORNIA
VOLKSWAGEN	160 TIGUAN	FA FEDERAL ALL ALTITUDE
VOLKSWAGEN	165 TIGUAN 4MOTION	FA FEDERAL ALL ALTITUDE

Section 7	Pg. 23	Test Group	9AD XV02.03UA	Test Results	R.Ch.No.: 3	Revision Date: 06-19-2008
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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
SUMMARY SHEET  
DATABASE REPORT

Summary Sheet Version Number: 0      Vehicle Manufacturer: 640    AUDI  
Summary Sheet Index Number: 640T2-02      Engine Manufacturer: ADX    AUDI  
Model Year: 2009      Issue Date: 02-25-08      Revised Date: 04-15-08  
Summary Sheet Sales Area: CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Comments: AUDI A3 A3 QUATTRO, TT COUPE QUATTRO, TT ROADSTER QUATTRO // VW GTI JETTA, JETTA  
SPORTWAGEN, EOS TEST: 1061642 BELONGS TO ENGINE FAMILY: 9AD XV02.0366 TEST: 1061643  
BELONGS TO ENGINE FAMILY: 9AD XV02.0366

Durability Group Specification

Durability Group: 9AD XGPGNN3UA      Ignition Type: SPARK  
Combustion Cycle: OTTO CYCLE PISTON      Fuel Combination: SINGLE FUEL  
Basic Fuel Metering System: DIRECT FUEL INJECTION      Primary Fuel: GASOLINE  
Trap: NONE      Second Fuel: N/A  
Catalyst Construction: UNHEATED MONOLITH CATALYST      Third Fuel: N/A  
Catalyst Precious Metal Combination: PALLADIUM AND RHODIUM THREE-WAY CATALYS

Test Group Specification

Test Group: 9AD XV02.03UA      Valves per Cylinder: 4  
Federal OBD: CALIFORNIA OBD      Projected Job 1 Date: 07-JAN-08  
California OBD: CARB OBD II      Number of Subsystems: 2  
Displacement: 2.0 L      Alternate Displacements:  
Compliance Program: TIER 2

Comments: AUDI A3 / VW GTI / JETTA / JETTA SPORTWAGEN 2.0L 4 CYL. TFSI - 50 ST TIER 2 BIN 5 / UEV II

\* These Vehicles were certified to SFTP (Supplemental Federal Test Procedure) Standards.

Evaporative/Refueling Family Specifications

Evaporative/Refueling Family: 9AD XR0110238  
Evaporative System: 1  
Vapor Storage System: 1  
Canister Work Capacity: 110  
Fuel Tank Material: PLASTIC

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
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EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-02	Certificate Number:	640T2-02	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	3	HWFE (HIGHWAY TEST)
Running Change:	01	Test Number:	1080421	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228	
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 NOX-HWY	.004		.007	1	.011	0.090	U2
50,000 NOX-HWY	.004		.003	1	.01	0.07	U2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
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EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-02	Certificate Number:	640T2-02	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	COLD CO PREMIUM(Tier 2)	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	11	COLD CO
Running Change:	01	Test Number:	1080425	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 48	b = .52	c = .025	
Dynamometer Set Coefficients:	a = 16	b = .48	c = .0235	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
50,000 CO-COLD	2.89		0	1	2.89	10.00	N/A

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
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EMISSION DATA VEHICLES

Model Year: 2009      Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0      Engine Manufacturer: ADX AUDI  
 Summary Sheet Index Number: 640T2-02      Certificate Number: 640T2-02  
 Test Group: 9AD XV02.03UA      Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1      FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9AD XR0125241  
 Evaporative System: 1

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Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	21 FED FUEL 2 DAY EXH (BUTANE LOAD)	
Running Change:	01	Test Number:	1080420	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	

Dynamometer Power A  
 Dynamometer Target Coefficients: a = 44      b = .47      c = .0228  
 Dynamometer Set Coefficients: a = 12      b = .4      c = .022  
 Aged Emission Components: N/A

Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

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 Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 CO	.23		0	1	.23	2.10	U2
50,000 CO	.23		0	1	.23	1.70	U2
120,000 NMOG	.0167	1	.0106	1	.0273	0.0550	U2
50,000 NMOG	.0167	1	.0044	1	.0211	0.0400	U2
120,000 NOX	.022		.007	1	.029	0.070	U2
50,000 NOX	.022		.003	1	.025	0.050	U2

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 \* SFTP(Supplemental Federal Test Procedure) test numbers for the composite HC-NM+NOX and CO(optional) certificate levels:  
 1080422(US06), 1080429(SC03).

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
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EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-02	Certificate Number:	640T2-02	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

-----	-----
Vehicle ID: VW416 8-0217/09	Transmission: 26 L6
Vehicle Configuration: 0	Engine Code: CCTA
Carline Name: TIGUAN	Axle Ratio: 4.24
Fuel: TIER 2 UNLEADED	N/V Ratio: 37.1
Displacement: 1984.0 CC	Compression Ratio: 9.6
Rated HP: 200	High Altitude:
Test Weight: 4000	Test Procedure Code: 52 FED FUEL 50 DEG(F) EXHAUST TEST
Running Change: 01	Test Number: 1080424
Fuel System: DIRECT FUEL INJECTION	Test Sales Area: CALIFORNIA
Catalyst: 3-WAY CATALYST	Turbo/Supercharger: TURBOCHARGER
Dynamometer Power A	
Dynamometer Target Coefficients: a = 44	b = .47 c = .0228
Dynamometer Set Coefficients: a = 12	b = .4 c = .022
Aged Emission Components: N/A	
-----	
Exhaust Emission Related Components: 15	THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER
60	DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL
99	OTHER

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
N/A 50-CO	.17		0	1	.17	1.70	U2
N/A 50-NMOG	.0208	1	0	1	.0208	0.0800	U2
N/A 50-NOX	.024		0	1	.024	0.050	U2



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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
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EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-02	Certificate Number:	640T2-02	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	90	US06
Running Change:	01	Test Number:	1080422	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228	
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
4,000 CO-US06	4.35				4.35	8.00	N/A
4,000 HC-NM+NOX-US0	.03				.030	0.140	N/A

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Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-02	Certificate Number:	640T2-02	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	95	SC03
Running Change:	01	Test Number:	1080429	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228	
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
4,000 CO-SC03	1.46				1.46	2.70	N/A
4,000 HC-NM+NOX-SC0	.0352				.035	0.200	N/A

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EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-02	Certificate Number:	640T2-02	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	3	HWFE (HIGHWAY TEST)
Running Change:	01	Test Number:	1080421	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228	
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 NOX-HWY	.004		.007	1	.011	0.090	B5
50,000 NOX-HWY	.004		.003	1	.01	0.07	B5

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EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-02	Certificate Number:	640T2-02	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	COLD CO PREMIUM(Tier 2)	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	11	COLD CO
Running Change:	01	Test Number:	1080425	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 48	b = .52	c = .025	
Dynamometer Set Coefficients:	a = 16	b = .48	c = .0235	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
50,000 CO-COLD	2.89		0	1	2.89	10.00	N/A

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EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640 AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX AUDI
Summary Sheet Index Number:	640T2-02	Certificate Number:	640T2-02
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA CALIFORNIA
Engine System:	1		FA FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241		
Evaporative System:	1		

Vehicle ID:	VW416 8-0217/09	Transmission:	26 L6
Vehicle Configuration:	0	Engine Code:	CCTA
Carline Name:	TIGUAN	Axle Ratio:	4.24
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1
Displacement:	1984.0 CC	Compression Ratio:	9.6
Rated HP:	200	High Altitude:	
Test Weight:	4000	Test Procedure Code:	21 FED FUEL 2 DAY EXH (BUTANE LOAD)
Running Change:	01	Test Number:	1080420
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER
Dynamometer Power A			
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022
Aged Emission Components:	N/A		
Exhaust Emission Related Components:			
	15	THREE-WAY CATALYST HEATED O2	50 TURBOCHARGER
	60	DETONATION SENSOR	62 ELECTRONIC CONTROLS-DIGITAL
	99	OTHER	

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 CO	.23		0	1	.23	4.20	B5
50,000 CO	.23		0	1	.23	3.40	B5
120,000 HC-NM+NOX-COM	.0524			1	.052	0.650	B5
120,000 NMOG	.0167	1	.0106	1	.0273	0.0900	B5
50,000 NMOG	.0167	1	.0044	1	.0211	0.0750	B5
120,000 NOX	.022		.007	1	.029	0.070	B5
50,000 NOX	.022		.003	1	.025	0.050	B5
120,000 PM-COMP						0.07	N/A

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EMISSION DATA VEHICLES

Summary Sheet Version Number:	0	Vehicle Manufacturer:	640	AUDI
Summary Sheet Index Number:	640T2-02	Engine Manufacturer:	ADX	AUDI
Test Group:	9AD XV02.03UA	Certificate Number:	640T2-02	
Engine System:	1	Vehicle Sales Area:	CA	CALIFORNIA
Evaporative/Refueling Family:	9ADXR0125241		FA	FEDERAL ALL ALTITUDE
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	21	FED FUEL 2 DAY EXH (BUTANE LOAD)
Running Change:	01	Test Number:	1080420	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228	
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

\* SFTP(Supplemental Federal Test Procedure) test numbers for the composite HC-NM+NOX and CO(optional) certificate levels:  
1080422(US06), 1080429(SC03).

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EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-02	Certificate Number:	640T2-02	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	COLD CO PREMIUM(Tier 2)	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	72	CST TWO SPEED IDLE TEST
Running Change:	01	Test Number:	1080440	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL	ALL ALTITUDE
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 48	b = .52	c = .025	
Dynamometer Set Coefficients:	a = 16	b = .48	c = .0235	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 CO-ST2500	0		0	1	0.00	0.50	N/A
120,000 CO-STI	0		0	1	0.00	0.50	N/A
120,000 HC-ST2500	2		0	1	2.0	100.0	N/A
120,000 HC-STI	2		0	1	2.0	100.0	N/A

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EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-02	Certificate Number:	640T2-02	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	90	US06
Running Change:	01	Test Number:	1080422	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228	
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 CO-US06	4.35		0	1	4.35	11.10	B5
4,000 CO-US06	4.35				4.35	8.00	N/A
4,000 HC-NM+NOX-US0	.03				.030	0.140	N/A



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EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-02	Certificate Number:	640T2-02	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	95	SC03
Running Change:	01	Test Number:	1080429	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228	
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 CO-SC03	1.46		0	1	1.46	3.70	B5
4,000 CO-SC03	1.46				1.46	2.70	N/A
4,000 HC-NM+NOX-SC0	.0352				.035	0.200	N/A

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EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640 AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	AUDI
Summary Sheet Index Number:	640T2-02	Certificate Number:	640T2-02
Test Group:	9AD XV02.0366	Vehicle Sales Area:	CA CALIFORNIA
Engine System:	1		FA FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0110238		
Evaporative System:	1		

Vehicle ID:	6366-AAF	Transmission:	26 L6
Vehicle Configuration:	0	Engine Code:	BPY
Carline Name:	A3	Axle Ratio:	3.14
Fuel:	TIER 2 UNLEADED	N/V Ratio:	40.7
Displacement:	1984.0 CC	Compression Ratio:	10.3
Rated HP:	200	High Altitude:	
Test Weight:	3750	Test Procedure Code:	24 FED FUEL REFUEL (ORVR) (BUTANE)
Running Change:		Test Number:	1061699
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA
Catalyst:	3-WAY CATALYST		
Dynamometer Power Absorption:		Turbo/Supercharger:	TURBOCHARGER
Dynamometer Target Coefficients:	a = 32.37      b = .268      c = .02		
Dynamometer Set Coefficients:	a = 5.4      b = .054      c = .02		
Aged Emission Components:	N/A		
Exhaust Emission Related Component	15	THREE-WAY CATALYST HEATED O2	41
	50	TURBOCHARGER	60
	62	ELECTRONIC CONTROLS-DIGITAL	

Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Mulplicative DF	Certification Level	Emission Standard	Tier
150,000	HC-ORVR	.0075	0	1	.008	0.200	C2

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EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640 AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	AUDI
Summary Sheet Index Number:	640T2-02	Certificate Number:	640T2-02
Test Group:	9AD XV02.0366	Vehicle Sales Area:	CA CALIFORNIA
Engine System:	1		FA FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9AD XR0110238		
Evaporative System:	1		

Vehicle ID:	6366-AAF	Transmission:	26 L6
Vehicle Configuration:	1	Engine Code:	BPY
Carline Name:	A3	Axle Ratio:	3.14
Fuel:	CARB Phase II Gasoline	N/V Ratio:	40.7
Displacement:	1984.0 CC	Compression Ratio:	10.3
Rated HP:	200	High Altitude:	
Test Weight:	3750	Test Procedure Code:	27 CA FUEL 2 DAY EVAP (BUTANE LOAD)
Running Change:		Test Number:	1061642
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA
Catalyst:	3-WAY CATALYST		
Dynamometer Power Absorption:		Turbo/Supercharger:	TURBOCHARGER
Dynamometer Target Coefficients:	a = 32.37      b = .268      c = .02		
Dynamometer Set Coefficients:	a = 5.4      b = .054      c = .02		
Aged Emission Components:	N/A		
Exhaust Emission Related Component	15      THREE-WAY CATALYST HEATED O2	41	MULTIPLE POINT FUEL INJECTION
	50      TURBOCHARGER	60	DETONATION SENSOR
	62      ELECTRONIC CONTROLS-DIGITAL		

Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
150,000	HC-TEV-2D	.331	.014	1	.345	0.650	C2

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EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: AUDI  
 Summary Sheet Index Number: 640T2-02 Certificate Number: 640T2-02  
 Test Group: 9AD XV02.0366 Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0110238  
 Evaporative System: 1

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Vehicle ID:	6366-AAF	Transmission:	26 L6
Vehicle Configuration:	1	Engine Code:	BPY
Carline Name:	A3	Axle Ratio:	3.14
Fuel:	CARB Phase II Gasoline	N/V Ratio:	40.7
Displacement:	1984.0 CC	Compression Ratio:	10.3
Rated HP:	200	High Altitude:	
Test Weight:	3750	Test Procedure Code:	38 CA FUEL 3 DAY EVAP (BUTANE LOAD)
Running Change:		Test Number:	1061643
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA
Catalyst:	3-WAY CATALYST		
Dynamometer Power Absorption:		Turbo/Supercharger:	TURBOCHARGER
Dynamometer Target Coefficients:	a = 32.37      b = .268      c = .02		
Dynamometer Set Coefficients:	a = 5.4      b = .054      c = .02		
Aged Emission Components:	N/A		
Exhaust Emission Related Component	15      THREE-WAY CATALYST HEATED O2	41	MULTIPLE POINT FUEL INJECTION
	50      TURBOCHARGER	60	DETONATION SENSOR
	62      ELECTRONIC CONTROLS-DIGITAL		

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Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
150,000	HC-RL	0	0	1	0.000	0.050	C2
150,000	HC-TEV-3D	.317	.014	1	.331	0.500	C2

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EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: AUDI  
 Summary Sheet Index Number: 640T2-02 Certificate Number: 640T2-02  
 Test Group: 9AD XV02.0366 Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0110238  
 Evaporative System: 1

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Vehicle ID:	6366-AAF	Transmission:	26 L6
Vehicle Configuration:	0	Engine Code:	BPY
Carline Name:	A3	Axle Ratio:	3.14
Fuel:	TIER 2 UNLEADED	N/V Ratio:	40.7
Displacement:	1984.0 CC	Compression Ratio:	10.3
Rated HP:	200	High Altitude:	
Test Weight:	3750	Test Procedure Code:	24 FED FUEL REFUEL (ORVR) (BUTANE)
Running Change:		Test Number:	1061699
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE
Catalyst:	3-WAY CATALYST		
Dynamometer Power Absorption:		Turbo/Supercharger:	TURBOCHARGER
Dynamometer Target Coefficients:	a = 32.37      b = .268      c = .02		
Dynamometer Set Coefficients:	a = 5.4      b = .054      c = .02		
Aged Emission Components:	N/A		
Exhaust Emission Related Component	15      THREE-WAY CATALYST HEATED O2	41	MULTIPLE POINT FUEL INJECTION
	50      TURBOCHARGER	60	DETONATION SENSOR
	62      ELECTRONIC CONTROLS-DIGITAL		

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Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
-----	-----	-----	-----	-----	-----	-----	-----
120,000	HC-ORVR	.0075	0	1	.008	0.200	T2

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Date: 17-JUN-08  
 Time: 12:11:28 PM

CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: AUDI  
 Summary Sheet Index Number: 640T2-02 Certificate Number: 640T2-02  
 Test Group: 9AD XV02.0366 Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0110238  
 Evaporative System: 1

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Vehicle ID:	6366-AAF	Transmission:	26 L6
Vehicle Configuration:	1	Engine Code:	BPY
Carline Name:	A3	Axle Ratio:	3.14
Fuel:	CARB Phase II Gasoline	N/V Ratio:	40.7
Displacement:	1984.0 CC	Compression Ratio:	10.3
Rated HP:	200	High Altitude:	
Test Weight:	3750	Test Procedure Code:	27 CA FUEL 2 DAY EVAP (BUTANE LOAD)
Running Change:		Test Number:	1061642
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE
Catalyst:	3-WAY CATALYST		
Dynamometer Power Absorption:		Turbo/Supercharger:	TURBOCHARGER
Dynamometer Target Coefficients:	a = 32.37      b = .268      c = .02		
Dynamometer Set Coefficients:	a = 5.4      b = .054      c = .02		
Aged Emission Components:	N/A		
Exhaust Emission Related Component	15      THREE-WAY CATALYST HEATED O2	41	MULTIPLE POINT FUEL INJECTION
	50      TURBOCHARGER	60	DETONATION SENSOR
	62      ELECTRONIC CONTROLS-DIGITAL		

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Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000	HC-TEV-2D	.331	.011	1	.34	1.20	T2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
SUMMARY SHEET  
DATABASE REPORT

EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640 AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	AUDI
Summary Sheet Index Number:	640T2-02	Certificate Number:	640T2-02
Test Group:	9AD XV02.0366	Vehicle Sales Area:	CA CALIFORNIA
Engine System:	1		FA FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0110238		
Evaporative System:	1		

Vehicle ID:	6366-AAF	Transmission:	26 L6
Vehicle Configuration:	1	Engine Code:	BPY
Carline Name:	A3	Axle Ratio:	3.14
Fuel:	CARB Phase II Gasoline	N/V Ratio:	40.7
Displacement:	1984.0 CC	Compression Ratio:	10.3
Rated HP:	200	High Altitude:	
Test Weight:	3750	Test Procedure Code:	38 CA FUEL 3 DAY EVAP (BUTANE LOAD)
Running Change:		Test Number:	1061643
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE
Catalyst:	3-WAY CATALYST		
Dynamometer Power Absorption:		Turbo/Supercharger:	TURBOCHARGER
Dynamometer Target Coefficients:	a = 32.37	b = .268	c = .02
Dynamometer Set Coefficients:	a = 5.4	b = .054	c = .02
Aged Emission Components:	N/A		
Exhaust Emission Related Component	15	THREE-WAY CATALYST HEATED O2	41
	50	TURBOCHARGER	60
	62	ELECTRONIC CONTROLS-DIGITAL	

Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000	HC-RL	0	0	1	0.000	0.050	T2
120,000	HC-TEV-3D	.317	.011	1	.328	0.950	T2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT  
 VEHICLES COVERED BY CERTIFICATE

Summary Sheet Version Number:	0	Vehicle Manufacturer:	640	AUDI
Summary Sheet Index Number:	640T2-02	Engine Manufacturer:	ADX	AUDI
Test Group:	9AD XV02.03UA	Engine System:	1	
Evaporative/Refueling Family:	9AD XR0110238	Evaporative System:	1	

Division	Carline		Sales Area Code and Description
AUDI	65	A3	CA CALIFORNIA
AUDI	66	A3 QUATTRO	CA CALIFORNIA
VOLKSWAGEN	216	EOS	CA CALIFORNIA
VOLKSWAGEN	211	GTI	CA CALIFORNIA
VOLKSWAGEN	221	JETTA	CA CALIFORNIA
VOLKSWAGEN	225	JETTA SPORTWAGEN	CA CALIFORNIA
AUDI	37	TT COUPE QUATTRO	CA CALIFORNIA
AUDI	38	TT ROADSTER QUATTRO	CA CALIFORNIA
AUDI	65	A3	FA FEDERAL ALL ALTITUDE
AUDI	66	A3 QUATTRO	FA FEDERAL ALL ALTITUDE
VOLKSWAGEN	216	EOS	FA FEDERAL ALL ALTITUDE
VOLKSWAGEN	211	GTI	FA FEDERAL ALL ALTITUDE
VOLKSWAGEN	221	JETTA	FA FEDERAL ALL ALTITUDE
VOLKSWAGEN	225	JETTA SPORTWAGEN	FA FEDERAL ALL ALTITUDE
AUDI	37	TT COUPE QUATTRO	FA FEDERAL ALL ALTITUDE
AUDI	38	TT ROADSTER QUATTRO	FA FEDERAL ALL ALTITUDE



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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
SUMMARY SHEET  
DATABASE REPORT

Summary Sheet Version Number: 0  
Summary Sheet Index Number: 640T2-03  
Model Year: 2009  
Summary Sheet Sales Area: CA CALIFORNIA  
FA FEDERAL ALL ALTITUDE

Vehicle Manufacturer: 640 AUDI  
Engine Manufacturer: ADX AUDI  
Issue Date: 02-25-08  
Revised Date:

Comments: VW PASSAT / PASSAT WAGON / PASSAT CC - T2 BIN 5 / LEV II ULEV EXHAUST TIER 2 / LEV II EVAP  
- ALL NMOG VALUES ARE CALC'D (NMHC X 1.04 FACTOR) TEST: 1080441 BELONGS TO EVAPORATIVE  
FAMILY: 9ADXR0125241 TEST: 1080442 BELONGS TO EVAPORATIVE FAMILY: 9ADXR0125241 TEST:  
1080443 BELONGS TO EVAPORATIVE FAMILY: 9ADXR0125241

Durability Group Specification

Durability Group: 9AD XGPGNN3UA  
Combustion Cycle: OTTO CYCLE PISTON  
Basic Fuel Metering System: DIRECT FUEL INJECTION  
Trap: NONE  
Catalyst Construction: UNHEATED MONOLITH CATALYST  
Catalyst Precious Metal Combination: PALLADIUM AND RHODIUM THREE-WAY CATALYS

Ignition Type: SPARK  
Fuel Combination: SINGLE FUEL  
Primary Fuel: GASOLINE  
Second Fuel: N/A  
Third Fuel: N/A

Test Group Specification

Test Group: 9AD XV02.03UA  
Federal OBD: CALIFORNIA OBD  
California OBD: CARB OBD II  
Displacement: 2.0 L

Valves per Cylinder: 4  
Projected Job 1 Date: 07-JAN-08  
Number of Subsystems: 2  
Alternate Displacements:  
Compliance Program: TIER 2

Comments: AUDI A3 / VW GTI / JETTA / JETTA SPORTWAGEN 2.0L 4 CYL. TFSI - 50 ST TIER 2 BIN 5 / UEV II

\* These Vehicles were certified to SFTP (Supplemental Federal Test Procedure) Standards.

Evaporative/Refueling Family Specifications

Evaporative/Refueling Family: 9ADXR0125246  
Evaporative System: 1  
Vapor Storage System: 1  
Canister Work Capacity: 125  
Fuel Tank Material: PLASTIC

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
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EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-03	Certificate Number:	640T2-03	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	3	HWFE (HIGHWAY TEST)
Running Change:	01	Test Number:	1080421	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228	
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 NOX-HWY	.004		.007	1	.011	0.090	U2
50,000 NOX-HWY	.004		.003	1	.01	0.07	U2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-03	Certificate Number:	640T2-03	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	COLD CO PREMIUM(Tier 2)	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	11	COLD CO
Running Change:	01	Test Number:	1080425	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 48	b = .52	c = .025	
Dynamometer Set Coefficients:	a = 16	b = .48	c = .0235	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
50,000 CO-COLD	2.89		0	1	2.89	10.00	N/A

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: ADX AUDI  
 Summary Sheet Index Number: 640T2-03 Certificate Number: 640T2-03  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9AD XR0125241  
 Evaporative System: 1

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Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	21 FED FUEL 2 DAY EXH (BUTANE LOAD)	
Running Change:	01	Test Number:	1080420	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	

Dynamometer Power A  
 Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
 Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
 Aged Emission Components: N/A

Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

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 Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 CO	.23		0	1	.23	2.10	U2
50,000 CO	.23		0	1	.23	1.70	U2
120,000 NMOG	.0167	1	.0106	1	.0273	0.0550	U2
50,000 NMOG	.0167	1	.0044	1	.0211	0.0400	U2
120,000 NOX	.022		.007	1	.029	0.070	U2
50,000 NOX	.022		.003	1	.025	0.050	U2

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 \* SFTP(Supplemental Federal Test Procedure) test numbers for the composite HC-NM+NOX and CO(optional) certificate levels:  
 1080422(US06), 1080429(SC03).

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: ADX AUDI  
 Summary Sheet Index Number: 640T2-03 Certificate Number: 640T2-03  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

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Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	52 FED FUEL 50 DEG(F) EXHAUST TEST	
Running Change:	01	Test Number:	1080424	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	

Dynamometer Power A  
 Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
 Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
 Aged Emission Components: N/A

Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

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 Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
N/A 50-CO	.17		0	1	.17	1.70	U2
N/A 50-NMOG	.0208	1	0	1	.0208	0.0800	U2
N/A 50-NOX	.024		0	1	.024	0.050	U2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-03	Certificate Number:	640T2-03	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	90	US06
Running Change:	01	Test Number:	1080422	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228	
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
4,000 CO-US06	4.35				4.35	8.00	N/A
4,000 HC-NM+NOX-US0	.03				.030	0.140	N/A

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-03	Certificate Number:	640T2-03	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	95	SC03
Running Change:	01	Test Number:	1080429	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228	
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
4,000 CO-SC03	1.46				1.46	2.70	N/A
4,000 HC-NM+NOX-SC0	.0352				.035	0.200	N/A

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-03	Certificate Number:	640T2-03	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	3	HWFE (HIGHWAY TEST)
Running Change:	01	Test Number:	1080421	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228	
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 NOX-HWY	.004		.007	1	.011	0.090	B5
50,000 NOX-HWY	.004		.003	1	.01	0.07	B5



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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640	AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX	AUDI
Summary Sheet Index Number:	640T2-03	Certificate Number:	640T2-03	
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA	CALIFORNIA
Engine System:	1		FA	FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241			
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	COLD CO PREMIUM(Tier 2)	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	11	COLD CO
Running Change:	01	Test Number:	1080425	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 48	b = .52	c = .025	
Dynamometer Set Coefficients:	a = 16	b = .48	c = .0235	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
50,000 CO-COLD	2.89		0	1	2.89	10.00	N/A

Date: 19-JUN-08  
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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
SUMMARY SHEET  
DATABASE REPORT

EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640 AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	ADX AUDI
Summary Sheet Index Number:	640T2-03	Certificate Number:	640T2-03
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA CALIFORNIA
Engine System:	1		FA FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241		
Evaporative System:	1		

Vehicle ID:	VW416 8-0217/09	Transmission:	26 L6
Vehicle Configuration:	0	Engine Code:	CCTA
Carline Name:	TIGUAN	Axle Ratio:	4.24
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1
Displacement:	1984.0 CC	Compression Ratio:	9.6
Rated HP:	200	High Altitude:	
Test Weight:	4000	Test Procedure Code:	21 FED FUEL 2 DAY EXH (BUTANE LOAD)
Running Change:	01	Test Number:	1080420
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER
Dynamometer Power A			
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022
Aged Emission Components:	N/A		
Exhaust Emission Related Components:			
	15	THREE-WAY CATALYST HEATED O2	50 TURBOCHARGER
	60	DETONATION SENSOR	62 ELECTRONIC CONTROLS-DIGITAL
	99	OTHER	

Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 CO	.23		0	1	.23	4.20	B5
50,000 CO	.23		0	1	.23	3.40	B5
120,000 HC-NM+NOX-COM	.0524			1	.052	0.650	B5
120,000 NMOG	.0167	1	.0106	1	.0273	0.0900	B5
50,000 NMOG	.0167	1	.0044	1	.0211	0.0750	B5
120,000 NOX	.022		.007	1	.029	0.070	B5
50,000 NOX	.022		.003	1	.025	0.050	B5
120,000 PM-COMP						0.07	N/A

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Summary Sheet Version Number:	0	Vehicle Manufacturer:	640	AUDI
Summary Sheet Index Number:	640T2-03	Engine Manufacturer:	ADX	AUDI
Test Group:	9AD XV02.03UA	Certificate Number:	640T2-03	
Engine System:	1	Vehicle Sales Area:	CA	CALIFORNIA
Evaporative/Refueling Family:	9ADXR0125241		FA	FEDERAL ALL ALTITUDE
Evaporative System:	1			

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	21	FED FUEL 2 DAY EXH (BUTANE LOAD)
Running Change:	01	Test Number:	1080420	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	
Dynamometer Power A				
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228	
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022	
Aged Emission Components:	N/A			
Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

\* SFTP(Supplemental Federal Test Procedure) test numbers for the composite HC-NM+NOX and CO(optional) certificate levels:  
 1080422(US06), 1080429(SC03).

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: ADX AUDI  
 Summary Sheet Index Number: 640T2-03 Certificate Number: 640T2-03  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

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Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	COLD CO PREMIUM(Tier 2)	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	72	CST TWO SPEED IDLE TEST
Running Change:	01	Test Number:	1080440	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	

Dynamometer Power A  
 Dynamometer Target Coefficients: a = 48 b = .52 c = .025  
 Dynamometer Set Coefficients: a = 16 b = .48 c = .0235  
 Aged Emission Components: N/A

Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

-----  
 Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 CO-ST2500	0		0	1	0.00	0.50	N/A
120,000 CO-STI	0		0	1	0.00	0.50	N/A
120,000 HC-ST2500	2		0	1	2.0	100.0	N/A
120,000 HC-STI	2		0	1	2.0	100.0	N/A

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: ADX AUDI  
 Summary Sheet Index Number: 640T2-03 Certificate Number: 640T2-03  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	90 US06	
Running Change:	01	Test Number:	1080422	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	

Dynamometer Power A  
 Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
 Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
 Aged Emission Components: N/A

Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

-----  
 Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 CO-US06	4.35		0	1	4.35	11.10	B5
4,000 CO-US06	4.35				4.35	8.00	N/A
4,000 HC-NM+NOX-US0	.03				.030	0.140	N/A

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: ADX AUDI  
 Summary Sheet Index Number: 640T2-03 Certificate Number: 640T2-03  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----

Vehicle ID:	VW416 8-0217/09	Transmission:	26	L6
Vehicle Configuration:	0	Engine Code:	CCTA	
Carline Name:	TIGUAN	Axle Ratio:	4.24	
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1	
Displacement:	1984.0 CC	Compression Ratio:	9.6	
Rated HP:	200	High Altitude:		
Test Weight:	4000	Test Procedure Code:	95 SC03	
Running Change:	01	Test Number:	1080429	
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE	
Catalyst:	3-WAY CATALYST	Turbo/Supercharger:	TURBOCHARGER	

Dynamometer Power A  
 Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
 Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
 Aged Emission Components: N/A

Exhaust Emission Related Components:	15	THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60	DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99	OTHER		

-----  
 Exhaust Emission

Useful Life Emissions	Result	RAF	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000 CO-SC03	1.46		0	1	1.46	3.70	B5
4,000 CO-SC03	1.46				1.46	2.70	N/A
4,000 HC-NM+NOX-SC0	.0352				.035	0.200	N/A

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: AUDI  
 Summary Sheet Index Number: 640T2-03 Certificate Number: 640T2-03  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----

Vehicle ID:	VW416 8-0217/09	Transmission:	26 L6
Vehicle Configuration:	0	Engine Code:	CCTA
Carline Name:	TIGUAN	Axle Ratio:	4.24
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1
Displacement:	1984.0 CC	Compression Ratio:	9.6
Rated HP:	200	High Altitude:	
Test Weight:	4000	Test Procedure Code:	23 FED FUEL 2 DAY EVAP (BUTANE)
Running Change:	01	Test Number:	1080442
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	CALIFORNIA
Catalyst:	3-WAY CATALYST		
Dynamometer Power Absorption:		Turbo/Supercharger:	TURBOCHARGER
Dynamometer Target Coefficients:	a = 44      b = .47      c = .0228		
Dynamometer Set Coefficients:	a = 12      b = .4      c = .022		
Aged Emission Components:	N/A		
Exhaust Emission Related Component	15      THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60      DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99      OTHER		

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 Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
150,000	HC-TEV-2D	.5	0	1	.50	0.65	C2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: AUDI  
 Summary Sheet Index Number: 640T2-03 Certificate Number: 640T2-03  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----  
 Vehicle ID: VW416 8-0217/09 Transmission: 26 L6  
 Vehicle Configuration: 0 Engine Code: CCTA  
 Carline Name: TIGUAN Axle Ratio: 4.24  
 Fuel: TIER 2 UNLEADED N/V Ratio: 37.1  
 Displacement: 1984.0 CC Compression Ratio: 9.6  
 Rated HP: 200 High Altitude:  
 Test Weight: 4000 Test Procedure Code: 24 FED FUEL REFUEL (ORVR) (BUTANE)  
 Running Change: 01 Test Number: 1080441  
 Fuel System: DIRECT FUEL INJECTION Test Sales Area: CALIFORNIA  
 Catalyst: 3-WAY CATALYST  
 Dynamometer Power Absorption: Turbo/Supercharger: TURBOCHARGER  
 Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
 Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
 Aged Emission Components: N/A  
 Exhaust Emission Related Component 15 THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER  
 60 DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL  
 99 OTHER  
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Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
150,000	HC-ORVR	.028	.003	1	.031	0.200	C2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: AUDI  
 Summary Sheet Index Number: 640T2-03 Certificate Number: 640T2-03  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----  
 Vehicle ID: VW416 8-0217/09 Transmission: 26 L6  
 Vehicle Configuration: 0 Engine Code: CCTA  
 Carline Name: TIGUAN Axle Ratio: 4.24  
 Fuel: TIER 2 UNLEADED N/V Ratio: 37.1  
 Displacement: 1984.0 CC Compression Ratio: 9.6  
 Rated HP: 200 High Altitude:  
 Test Weight: 4000 Test Procedure Code: 34 FED FUEL 3 DAY EVAP (BUTANE LOAD)  
 Running Change: 01 Test Number: 1080443  
 Fuel System: DIRECT FUEL INJECTION Test Sales Area: CALIFORNIA  
 Catalyst: 3-WAY CATALYST  
 Dynamometer Power Absorption: Turbo/Supercharger: TURBOCHARGER  
 Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
 Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
 Aged Emission Components: N/A  
 Exhaust Emission Related Component 15 THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER  
 60 DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL  
 99 OTHER  
 -----

Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
150,000	HC-RL	0	0	1	0.00	0.05	C2
150,000	HC-TEV-3D	.41	0	1	.41	0.50	C2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: AUDI  
 Summary Sheet Index Number: 640T2-03 Certificate Number: 640T2-03  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

-----  
 Vehicle ID: VW416 8-0217/09 Transmission: 26 L6  
 Vehicle Configuration: 0 Engine Code: CCTA  
 Carline Name: TIGUAN Axle Ratio: 4.24  
 Fuel: TIER 2 UNLEADED N/V Ratio: 37.1  
 Displacement: 1984.0 CC Compression Ratio: 9.6  
 Rated HP: 200 High Altitude:  
 Test Weight: 4000 Test Procedure Code: 23 FED FUEL 2 DAY EVAP (BUTANE)  
 Running Change: 01 Test Number: 1080442  
 Fuel System: DIRECT FUEL INJECTION Test Sales Area: FEDERAL ALL ALTITUDE  
 Catalyst: 3-WAY CATALYST  
 Dynamometer Power Absorption: Turbo/Supercharger: TURBOCHARGER  
 Dynamometer Target Coefficients: a = 44 b = .47 c = .0228  
 Dynamometer Set Coefficients: a = 12 b = .4 c = .022  
 Aged Emission Components: N/A  
 Exhaust Emission Related Component 15 THREE-WAY CATALYST HEATED O2 50 TURBOCHARGER  
 60 DETONATION SENSOR 62 ELECTRONIC CONTROLS-DIGITAL  
 99 OTHER  
 -----

Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000	HC-TEV-2D	.5	0	1	.50	1.20	T2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year:	2009	Vehicle Manufacturer:	640 AUDI
Summary Sheet Version Number:	0	Engine Manufacturer:	AUDI
Summary Sheet Index Number:	640T2-03	Certificate Number:	640T2-03
Test Group:	9AD XV02.03UA	Vehicle Sales Area:	CA CALIFORNIA
Engine System:	1		FA FEDERAL ALL ALTITUDE
Evaporative/Refueling Family:	9ADXR0125241		
Evaporative System:	1		

Vehicle ID:	VW416 8-0217/09	Transmission:	26 L6
Vehicle Configuration:	0	Engine Code:	CCTA
Carline Name:	TIGUAN	Axle Ratio:	4.24
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1
Displacement:	1984.0 CC	Compression Ratio:	9.6
Rated HP:	200	High Altitude:	
Test Weight:	4000	Test Procedure Code:	24 FED FUEL REFUEL (ORVR) (BUTANE)
Running Change:	01	Test Number:	1080441
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE
Catalyst:	3-WAY CATALYST		
Dynamometer Power Absorption:		Turbo/Supercharger:	TURBOCHARGER
Dynamometer Target Coefficients:	a = 44	b = .47	c = .0228
Dynamometer Set Coefficients:	a = 12	b = .4	c = .022
Aged Emission Components:	N/A		
Exhaust Emission Related Component	15	THREE-WAY CATALYST HEATED O2	50 TURBOCHARGER
	60	DETONATION SENSOR	62 ELECTRONIC CONTROLS-DIGITAL
	99	OTHER	

Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000	HC-ORVR	.028	.002	1	.030	0.200	T2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT

EMISSION DATA VEHICLES

Model Year: 2009 Vehicle Manufacturer: 640 AUDI  
 Summary Sheet Version Number: 0 Engine Manufacturer: AUDI  
 Summary Sheet Index Number: 640T2-03 Certificate Number: 640T2-03  
 Test Group: 9AD XV02.03UA Vehicle Sales Area: CA CALIFORNIA  
 Engine System: 1 FA FEDERAL ALL ALTITUDE  
 Evaporative/Refueling Family: 9ADXR0125241  
 Evaporative System: 1

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Vehicle ID:	VW416 8-0217/09	Transmission:	26 L6
Vehicle Configuration:	0	Engine Code:	CCTA
Carline Name:	TIGUAN	Axle Ratio:	4.24
Fuel:	TIER 2 UNLEADED	N/V Ratio:	37.1
Displacement:	1984.0 CC	Compression Ratio:	9.6
Rated HP:	200	High Altitude:	
Test Weight:	4000	Test Procedure Code:	34 FED FUEL 3 DAY EVAP (BUTANE LOAD)
Running Change:	01	Test Number:	1080443
Fuel System:	DIRECT FUEL INJECTION	Test Sales Area:	FEDERAL ALL ALTITUDE
Catalyst:	3-WAY CATALYST		
Dynamometer Power Absorption:		Turbo/Supercharger:	TURBOCHARGER
Dynamometer Target Coefficients:	a = 44      b = .47      c = .0228		
Dynamometer Set Coefficients:	a = 12      b = .4      c = .022		
Aged Emission Components:	N/A		
Exhaust Emission Related Component	15      THREE-WAY CATALYST HEATED O2	50	TURBOCHARGER
	60      DETONATION SENSOR	62	ELECTRONIC CONTROLS-DIGITAL
	99      OTHER		

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 Evaporative Emission

Useful Life	Emissions	Result	Additive DF	Multiplicative DF	Certification Level	Emission Standard	Tier
120,000	HC-RL	0	0	1	0.00	0.05	T2
120,000	HC-TEV-3D	.41	0	1	.41	0.95	T2

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CERTIFICATION AND FUEL ECONOMY INFORMATION SYSTEM (CFEIS)  
 SUMMARY SHEET  
 DATABASE REPORT  
 VEHICLES COVERED BY CERTIFICATE

Summary Sheet Version Number: 0	Vehicle Manufacturer: 640	AUDI
Summary Sheet Index Number: 640T2-03	Engine Manufacturer: ADX	AUDI
Test Group: 9AD XV02.03UA	Engine System: 1	
Evaporative/Refueling Family: 9ADXR0125246	Evaporative System: 1	

Division	Carline	Sales Area Code and Description
VOLKSWAGEN	291 PASSAT	CA CALIFORNIA
VOLKSWAGEN	293 PASSAT CC	CA CALIFORNIA
VOLKSWAGEN	292 PASSAT WAGON	CA CALIFORNIA
VOLKSWAGEN	291 PASSAT	FA FEDERAL ALL ALTITUDE
VOLKSWAGEN	293 PASSAT CC	FA FEDERAL ALL ALTITUDE
VOLKSWAGEN	292 PASSAT WAGON	FA FEDERAL ALL ALTITUDE

<b>Section 8</b>	<b>Pg. 1</b>	<b>Emission Testing Waiver</b>	<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>		<b>9AD XV02.03UA</b>	<b>all</b>		

**8. Emission Testing Waiver Statements**

Please refer to Section 8 of the Common Sections Binder for the complete text of the following statements.

- High Altitude Exhaust Emissions
- High Altitude EVAP/Refueling Emissions
- Spitback
- Particulate Matter
- Certification Short Test
- Formaldehyde Emissions Compliance
- OBD Compliance
- Leak Free Exhaust System

<b>Section 9</b>	<b>Pg. 1</b>	<b>OBD System Description</b>	<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>		<b>9ADXV02.03UA</b>	<b>all</b>		

**9.0**      **OBD System Description**

**9.1**      **General Description**

Please refer to Common Section

**9.2**      **Summary Table**

Please refer to Confidential Section

**9.3**      **California Air Resources Board OBD System Approval Letter.**

Please refer to Confidential Section

Section 11 Pg. 1	AECD Description	Engine Code	R.CH-No.:	Revision Date
Test Group	9ADXV02.03UA	all		

11. Auxiliary Emission Control Devices (AECD) Descriptions

Control Device Configuration	Parameters Sensed	Parameters Controlled	Justification
cooling water thermostat	coolant temperature	coolant temperature	A
temperature sensor	coolant temperature	actuation of enrichment characteristic and coolant fan	A
pressure regulator	primary fuel pressure	primary fuel pressure	A
throttle valve position sensor	angel of throttle valve position	actuation of idle speed control, coasting fuel shut off, engine rpm limiting and full-load enrichment	A
knock sensor	engine knocking	ignition timing	A

Justification:

A: under all normal driving condition

B:

C:



<b>Section 12</b>	<b>Pg. 1</b>	<b>Vehicles Covered by Certificate</b>	<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>		<b>9AD XV02.03UA</b>	<b>all</b>		<b>12-16-2008</b>

### List of Certified Vehicles

<b>Dur. Group:</b>	9AD XGPGNN3UA	<b>Engine Displacement:</b>	2.0 liters
<b>Test Group:</b>	9AD XV02.03UA	<b>Valves / Cylinder:</b>	4
<b>Evap Family:</b>	9AD XR0110238	<b>Sales Area:</b>	50 States + Canada
<b>Emission Control Sys.:</b>	DFI/TWC(2)/HO2S(2)/CAC/TC	<b>MMS:</b>	Bosch

Carline	Model	Engine Code	Transmission Code	SIL	Curb Wgt. [lbs]	ETW [lbs]	Fuel Tank Capacity [l]	Canister Working Capacity [g]	Tire Size
A3	A3	CCTA	DQ250-6F	n.a.	3428	3750	55	110	225/45 R17
A3	A3	CCTA	MQ350-6F	n.a.	3385	3625	55	110	225/45 R17
A3 quattro	A3 quattro	CCTA	DQ250-6A	n.a.	3560	3875	55	110	225/45 R17
TT Coupe quattro	TT Coupe quattro	CCTA	DQ250-6AT	n.a.	3197	3500	55	110	225/50 R17
TT Roadster quattro	TT Roadster quattro	CCTA	DQ250-6AT	n.a.	3362	3625	55	110	225/50 R17
TT Coupe quattro	TTS Coupe	CDMA	DQ250-6AS	n.a.	3285	3625	55	110	245/40 R18
TT Roadster quattro	TTS Roadster	CDMA	DQ250-6AS	n.a.	3428	3750	55	110	245/40 R18
Eos	Eos	CCTA	DQ250-6F	n.a.	3567	3875	55	110	235/40 R18
Eos	Eos	CCTA	MQ350-6F	n.a.	3501	3750	55	110	235/40 R18
Jetta	Jetta	CCTA	DQ250-6F	n.a.	3327	3625	55	110	225/45 R17
Jetta	Jetta	CCTA	MQ350-6F	n.a.	3281	3625	55	110	225/45 R17
Jetta Sportwagen	Jetta Sportwagen	CCTA	DQ250-6F	n.a.	3389	3750	55	110	225/45 R17
Jetta Sportwagen	Jetta Sportwagen	CCTA	MQ350-6F	n.a.	3354	3625	55	110	225/45 R17
GTI	GTI	CCTA	DQ250-6F	n.a.	3245	3500	55	110	225/45 R17
GTI	GTI	CCTA	MQ350-6F	n.a.	3195	3500	55	110	225/45 R17

\* Use J1930 Abbreviations

1) - Motor management system

<b>Section 12</b>	<b>Pg. 2</b>	<b>Vehicles Covered by Certificate</b>	<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>		<b>9AD XV02.03UA</b>	all	<b>03</b>	<b>06-16-2008</b>

### List of Certified Vehicles

<b>Dur. Group:</b>	9AD XGPGNN366	<b>Engine Displacement:</b>	2.0 liters
<b>Test Group:</b>	9AD XV02.03UA	<b>Valves / Cylinder:</b>	4
<b>Evap Family:</b>	9AD XR0125246	<b>Sales Area:</b>	50 States + Canada
<b>Emission Control Sys.:</b>	DFI/TWC/HO2S(2)/TC/CAC	<b>MMS 1:</b>	Bosch

<b>Model</b>	<b>Carline</b>	<b>Engine Code</b>	<b>Transmission Code</b>	<b>SIL</b>	<b>Curb Wgt. [lbs]</b>	<b>ETW [lbs]</b>	<b>Fuel Tank Capacity [l]</b>	<b>Canister Working Capacity [g]</b>	<b>Tire Size</b>
Passat	Passat	CCTA	AQ250-6F	n.a.	3389	3750	70	125	215/55 R16
Passat	Passat	CCTA	MQ350-6F	n.a.	3349	3625	70	125	215/55 R16
Passat CC	Passat CC	CCTA	AQ250-6F	n.a.	3373	3750	70	125	215/55 R16
Passat CC	Passat CC	CCTA	MQ350-6F	n.a.	3329	3625	70	125	215/55 R16
Passat Wagon	Passat Wagon	CCTA	AQ250-6F	n.a.	3514	3875	70	125	215/55 R16
Passat Wagon	Passat Wagon	CCTA	MQ350-6F	n.a.	3474	3750	70	125	215/55 R16

\* Use J1930 Abbreviations

1) - Motor management system

<b>Section 12</b>	<b>Pg. 3</b>	<b>Vehicles Covered by Certificate</b>	<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>		<b>9AD XV02.03UA</b>	<b>all</b>		

### List of Certified Vehicles

<b>Dur. Group:</b>	9ADXGPGNN366	<b>Engine Displacement:</b>	2.0 liters
<b>Test Group:</b>	9AD XV02.03UA	<b>Valves / Cylinder:</b>	4
<b>Evap Family:</b>	9ADXR0125241	<b>Sales Area:</b>	50 States + Canada
<b>Emission Control Sys.:</b>	DFI/TWC/HO2S(2)/TC/CAC	<b>MMS 1:</b>	Bosch

<b>Model</b>	<b>Carline</b>	<b>Engine Code</b>	<b>Transmission Code</b>	<b>SIL</b>	<b>Curb Wgt. [lbs]</b>	<b>ETW [lbs]</b>	<b>Fuel Tank Capacity [l]</b>	<b>Canister Working Capacity [g]</b>	<b>Tire Size</b>
Tiguan	Tiguan 4motion	CCTA	AQ450-6A	n.a.	3737	4000	63	125	235/55 R17
Tiguan	Tiguan	CCTA	AQ450-6F	n.a.	3539	3875	63	125	235/55 R17
Tiguan	Tiguan	CCTA	MQ500-6F	n.a.	3503	3875	63	125	235/55 R17

\* Use J1930 Abbreviations

1) - Motor management system

<b>Section 12</b>	<b>Pg. 4</b>	<b>Vehicles Covered by Certificate</b>	<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>		<b>9AD XV02.03UA</b>	<b>all</b>	<b>03 &amp; 04</b>	<b>06-16-2008</b>

Engine Code	Engine Code Characteristic					
	Cat Code		Com- pression ratio	Idle [rpm]	HP @ RPM	Torque [lbs.ft.] @ RPM
	Pre-Cat.	Main-Cat.				
CCTA	REX 1662	REX 1662	9.6 :1	760	200 @ 5100-6000	207 @ 1700-5000
CDMA	REX 1662	REX 1662	9.8 :1	760	265 @ 6000	350 @ 2500 - 5000

Transmission Code Characteristic Audi A3 / TT / TTS // VW GTI / Jetta / Eos												
Transmission Code	Basic drivetrain layout	Trans./OD <sup>1)</sup>	Lock-Up rpm		Gearbox Ratios							
			Gear	min/max	Axle	Gear 1	Gear 2	Gear 3	Gear 4	Gear 5	Gear 6	N/V Ratio
DQ250-6F	2WD	L6/2	2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> , 5 <sup>th</sup> , 6 <sup>th</sup>	n.a.	1: 4,059 2: 3,136	3,462	2,150	1,464	1,079	1.094	0.921	40,7
MQ350-6F	2WD	M6/2	n.a.	n.a.	1: 3,944 2: 3,087	3,357	2,087	1,469	1,098	1,108	0.927	40,4
DQ250-6AT	4WD	L6/2	2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> , 5 <sup>th</sup> , 6 <sup>th</sup>	n.a.	1: 4,059 2: 3,136	3,462	2,150	1,464	1,079	1.094	0.921	39,2
DQ250-6AS	4WD	L6/2	2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> , 5 <sup>th</sup> , 6 <sup>th</sup>	n.a.	1: 4,769 2: 3,444	2,923	1,957	1,400	1,032	1.077	0.871	41,0

1) Code number that describes if the ratio of the top gear of the transmission is less than 1. The value is 2 when this is true.

<b>Section 12</b>	<b>Pg. 5</b>	<b>Vehicles Covered by Certificate</b>	<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>		<b>9AD XV02.03UA</b>	<b>all</b>	<b>03</b>	<b>06-16-2008</b>

Transmission Code Characteristic VW Passat / Passat Wagon / Passat CC												
Transmission Code	Basic drivetrain layout	Trans./OD <sup>1)</sup>	Lock-Up rpm		Gearbox Ratios							
			Gear	min/max	Axle	Gear 1	Gear 2	Gear 3	Gear 4	Gear 5	Gear 6	N/V Ratio
AQ250-6F	2WD	L6/2	1 / 2 3 4 5 6	unlocked 760/3100 760/2300 760/1675 locked	3.502*	4.044	2.371	1.556	1.159	0.852	0.672	32.2
MQ350-6F	2WD	M6/2	n.a.	n.a.	1: 3,944 2: 3,087	3,357	2,087	1,469	1,098	1,108	0.927	39.2

1) Code number that describes if the ratio of the top gear of the transmission is less than 1. The value is 2 when this is true.

\*) value = pre stage x axle

<b>Section 12</b>	<b>Pg. 6</b>	<b>Vehicles Covered by Certificate</b>	<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>		<b>9ADXV02.03UA</b>	<b>all</b>		

Transmission Code Characteristic VW Tiguan												
Transmission Code	Basic drivetrain layout	Trans./OD <sup>1)</sup>	Lock-Up rpm		Gearbox Ratios							
			Gear	min/max	Axle	Gear 1	Gear 2	Gear 3	Gear 4	Gear 5	Gear 6	N/V Ratio
AQ450-6A	4WD	L6/2	1 / 2 3 4 5 6	unlocked 760/3100 760/2300 760/1675 locked	4.237*	3.949	2.303	1.556	1.164	0.860	0.688	37.1
AQ450-6F	FWD	L6/2	1 / 2 3 4 5 6	unlocked 760/3100 760/2300 760/1675 locked	4.237*	3.949	2.303	1.556	1.164	0.860	0.688	37.1
MQ500-6F	FWD	M6	n.a.	n.a.	1: 4.400 2: 3.300	3.923	2.158	1.895	1.379	1.091	0.917	38.5

1) Code number that describes if the ratio of the top gear of the transmission is less than 1. The value is 2 when this is true.

\*) value = pre stage x axle

<b>Section 13 Pg. 1</b>		<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>	<b>9ADXV02.03UA</b>	<b>all</b>		

**13.01            Test Group Projected Sales**

Please Refer to Section 16 Confidential Information, of this test group

**13.02            Compliance Plans**

Refer to Section 16 Confidential Information, of the Common Sections Binder

Section 14 Pg. 1		Engine Code	R.CH-No.:	Revision Date
Test Group	9AD XV02.03UA	all		

#### 14. Request for Certificate

##### 14.01.00.00 Statement of Compliance

The Volkswagen Group states that any element of design, system, or emission control device installed on or incorporated in the Volkswagen Group's new motor vehicles or new motor vehicle engines for the purpose of complying with standards prescribed under section 202 of the Clean Air Act, will not, to the best of the Volkswagen Group's information and belief, cause the emission into the ambient air of pollutants in the operation of its motor vehicles or motor vehicle engines which cause or contribute to an unreasonable risk to public health or welfare except as specifically permitted by the standards prescribed under section 202 of the Clean Air Act. The Volkswagen Group further states that any element of design, system, or emission control device installed or incorporated in the Volkswagen Group's new motor vehicles or new motor vehicle engines, for the purpose of complying with standards prescribed under section 202 of the Clean Air Act, will not, to the best of the Volkswagen Group's information and belief, cause or contribute to an unreasonable risk to public safety.

The term pollutant means:

- a. Diesel particulates
- b. Nickel
- c. MMT combustion products
- d. Ammonia
- e. Sulfates
- f. Hydrogen sulfide
- g. Hydrogen cyanide
- h. Ruthenium combustion products
- i. Nitrosamines

or any other pollutant which VW/AUDI has identified which can reasonably be expected to be emitted from these vehicles.

All vehicles have been tested in accordance with good engineering practice to ascertain that such test vehicles meet the requirement of this section for the useful life of the vehicle.



<b>Section 14 Pg. 2</b>		<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>	<b>9AD XV02.03UA</b>	<b>all</b>		

The test vehicles with respect to which data are submitted are in all material respects as described in the application for certification, have been tested in accordance with the applicable test procedures utilizing the fuels and equipment described in the application for certification, they meet the requirement of such tests, and on the basis of such tests, they conform to the requirements of the regulations in 40 CFR, Part 86, Subpart S.

The vehicles for which certification is requested conform to the requirements in 86.1810-01 (a) and the description of tests performed to ascertain compliance with the general standards in 86.1810-01 (a) and the data derived from such tests are available.

The testing described under 86.1824-01 has been designed and conducted in accordance with good engineering practice to assure that the vehicles covered by a certificate issued under 86.1848-01 will meet the evaporative emission standards in 86.1811-01 for the useful life of the vehicle.

14.02. Durability Statement

Based on the Volkswagen Group's good engineering judgment, all the vehicles described in this Application for Certification comply with all applicable intermediate and full useful life standards.

<b>Section 15 Pg. 1</b>	<b>Other Information</b>	<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>	<b>9ADXV02.03UA</b>	<b>all</b>	<b>03 &amp; 04</b>	<b>12-16-2008</b>

**15. Other Information**

**15.01.1 Revision Index**

Revision Index for Test Group only

Sect No.	Page No.	Date:	Comment:	R/C No.
		SOP	Added Tiguan at test group carryover.	01
16.13	1	03-05-2008	Corrected projected sales model list	
6	3 - 8	04-09-2008	Corrected Engine Displacement	
6	25 - 32	04-09-2008	Corrected Engine Displacement	
6	38 - 43	04-09-2008	Added new test vehicle data	02
7	23 - 43	04-11-2008	Updated CFEIS Summary Sheet for RC-02	02
Cover		04-15-2008	Updated for RC-02	02
6	1	04-14-2008	Added test vehicles for RC-02	02
12	1	04-14-2008	Added A3 quattro and TT quattro models for RC-02	02
12	4	04-14-2008	Added transmission data for RC-02	02
16.13	1	04-15-2008	Updated projected sales model list	02
17		04-15-2008	Added A3 quattro and TT quattro models.	02
Cover		05-06-2008	new models added: VW Passat CC and Eos.	03
6	1	05-06-2008	VW Eos test vehicle added	03
6	44-47	05-06-2008	VW Eos test vehicle added	03
7	23-64	06-19-2008	Updated CFEIS Summary Sheet	03
12	1 & 4	05-06-2008	VW Eos vehicle data added	03
12	2 & 5	05-06-2008	VW Passat CC vehicle data added	03
17	5	05-06-2008	new models added: VW Passat CC and VW Eos.	03
16.13	1	05-06-2008	projected sales model list updated	03
Cover		06-16-2008	No information change – TT carlines already listed.	04
6	1	06-16-2008	Audi TTS test vehicle added	04
6	48-51	06-16-2008	Audi TTS test vehicle added	04
12	1 & 4	06-16-2008	Audi TTS vehicle data added	04
17	5	06-16-2008	new models added: Audi TTS Coupe & TTS Roadster	04
15	2	08-14-2008	Page added	
21	3 - 4	12-10-2008	Parts List added	
12	1	12-16-2008	Corrected Curb Weight for TTS Roadster	

Section 15	Pg. 2	Other Information	Engine Code:	R.CH-No.:	Revision Date:
Part 1	Test Group:	9AD XV02.03UA	all	RF 9A2.03UA 06 08	08-14-2008

15. Other Information

15.02 Running Change (RC) / Field Fix (FF) Log

Running Change / Field Fix Log for test group only.

Model Year: 2009  
Test Group: 9AD XV02.03UA  
Evaporative Family: 9AD XR0125246  
9AD XR0125241  
9AD XR0110238

RC / FF No.	Description of Change / Reason	Date
RC _9A2.03UA_01_08	Tiguan added to test group before MY 2009 certification	at SOP
RC _9A2.03UA_02_08	A3 quattro and TT C/R added to test group	04/15/2008
RC _9A2.03UA_03_08	EOS and Passat CC added to test group	06/19/2008
RC _9A2.03UA_04_08	TTS C/R added to test group	06/19/2008
RF _9A2.03UA_05_08	EOS, Passat, Passat CC, Tiguan new software calibration to address correction of idle speed fluctuation	07/18/2008
RF _9A2.03UA_06_08	Tiguan new software calibration to address ignition OFF calculation correction	08/14/2008

Impact on emissions

Listed RCs and RFs have no impact on emissions

# VOLKSWAGEN

GROUP OF AMERICA

MR. DAVID GOOD  
COMPLIANCE AND INNOVATION STRATEGIES DIVISION  
OFFICE OF MOBILE SOURCES  
U. S. ENVIRONMENTAL PROTECTION AGENCY  
2000 TRAVERWOOD DRIVE  
ANN ARBOR, MICHIGAN 48105

LEONARD W. KATA NAME  
MANAGER - EMISSION CERTIFICATION TITLE  
ENGINEERING AND ENVIRONMENTAL OFFICE DEPARTMENT  
248 754 4204 PHONE  
248 754 4207 FAX  
LEONARD.KATA@VW.COM E-MAIL

JUNE 19, 2008 DATE

Subject: MY 2009 Audi Running Change to Add TTS Models to Test Group  
9AD XV02.03UA

Dear Mr. Good,

VOLKSWAGEN GROUP OF AMERICA, INC.  
3800 HAMLIN ROAD  
AUBURN HILLS, MI 48326

We submit, with this letter, running change RC\_9A2.03UA\_04\_08 to add Audi TTS models to the following model year 2009 Audi Test Group:

Test Group	Standards	Sales Area
9AD XV02.03UA	Tier 2 BIN 5	Federal
	LEV-II ULEV	California

Copies of the Certification Fee filing form and OBD approval letter are contained in sections 15 and 16 of the included electronic application.

All vehicles within this test group comply with all applicable regulations contained in 40 CFR Part 86 and the compliance statements contained in sections 8 and 14.

This submission does not require issuance of a revised Certificate of Conformity.

If you have any questions with regard to this information please contact our office in Auburn Hills at (248) 754-4215 or (248) 754-4224.

Sincerely,



**Leonard W. Kata**  
Volkswagen Group of America, Inc.

Enclosure



# VOLKSWAGEN

GROUP OF AMERICA

MR. DAVID GOOD  
COMPLIANCE AND INNOVATION STRATEGIES DIVISION  
OFFICE OF MOBILE SOURCES  
U. S. ENVIRONMENTAL PROTECTION AGENCY  
2000 TRAVERWOOD DRIVE  
ANN ARBOR, MICHIGAN 48105

LEONARD W. KATA NAME  
MANAGER - EMISSION CERTIFICATION TITLE  
ENGINEERING AND ENVIRONMENTAL OFFICE DEPARTMENT  
248 754 4204 PHONE  
248 754 4207 FAX  
LEONARD.KATA@VW.COM E-MAIL

JUNE 19, 2008 DATE

Subject: MY 2009 Volkswagen Running Change to Add Models and Application for Revised Certificates of Conformity.

Dear Mr. Good,

VOLKSWAGEN GROUP OF AMERICA, INC.  
3800 HAMLIN ROAD  
AUBURN HILLS, MI 48326

With this letter we wish to inform the agency of a running change to add models to previously certified model year 2009 test group 9AD XV02.03UA. Running change RC\_9A2.03UA\_03\_08 adds the Volkswagen Eos and Passat CC models to the model year 2009 Audi Part 1 Application for Emissions Certification for the following Test Group:

<u>Test Group</u>	<u>Standards</u>	<u>Sales Area</u>
9AD XV02.03UA	Tier 2 BIN 5 LEV-II ULEV	Federal California

Copies of the Certification Fee filing form and OBD approval letter are contained in sections 15 and 16 of the included electronic application.

All vehicles within this test group comply with all applicable regulations contained in 40 CFR Part 86 and the compliance statements contained in sections 8 and 14.

This submission constitutes our final application and the request for issuance of revised Certificates of Conformity.

If you have any questions with regard to this information please contact our office in Auburn Hills at (248) 754-4215 or (248) 754-4224.

Sincerely,



**Leonard W. Kata**  
Volkswagen Group of America, Inc.

Enclosure



# VOLKSWAGEN

GROUP OF AMERICA

MR. DAVID GOOD  
COMPLIANCE AND INNOVATION STRATEGIES DIVISION  
OFFICE OF MOBILE SOURCES  
U. S. ENVIRONMENTAL PROTECTION AGENCY  
2000 TRAVERWOOD DRIVE  
ANN ARBOR, MICHIGAN 48105

LEONARD W. KATA NAME  
MANAGER - EMISSION CERTIFICATION TITLE  
ENGINEERING AND ENVIRONMENTAL OFFICE DEPARTMENT  
248 754 4204 PHONE  
248 754 4207 FAX  
LEONARD.KATA@VW.COM E-MAIL

APRIL 15, 2008 DATE

Subject: MY 2009 Audi Running Change to Add Models to Test Group  
9AD XV02.03UA and Request for a Revised Certificate of Conformity

Dear Mr. Good,

VOLKSWAGEN GROUP OF AMERICA, INC.  
3800 HAMLIN ROAD  
AUBURN HILLS, MI 48326

With this letter we wish to inform the agency of a running change to add models to a previously certified model year 2009 test group. Running change RC\_9A2.03UA\_02\_08 adds the Audi A3 quattro, TT Coupe quattro and TT Roadster quattro models to the model year 2009 Audi Part 1 Application for Emissions Certification for the following Test Group:

Test Group	Standards	Sales Area
9AD XV02.03UA	Tier 2 BIN 5	Federal
	LEV-II ULEV	California

Copies of the Certification Fee filing form and OBD approval letter are contained in sections 15 and 16 of the revised electronic application.

All vehicles within this test group comply with all applicable regulations contained in 40 CFR Part 86 and the compliance statements contained in sections 8 and 14.

This submission constitutes our final application and the request for issuance of a revised Certificate of Conformity.

If you have any questions with regard to this information please contact our office in Auburn Hills at (248) 754-4215 or (248) 754-4224.

Sincerely,



**Leonard W. Kata**  
Volkswagen Group of America, Inc.

Enclosure





# VOLKSWAGEN of America, Inc.

Mr. David Good

Compliance and Innovation Strategies Division  
Office of Mobile Sources  
U. S. Environmental Protection Agency  
2000 Traverwood Dr.  
Ann Arbor, Michigan 48105

Leonard W. Kata Name  
Manager – Emission Certification Title  
EEO Department  
248-754-4204 Phone  
248-754-4207 Fax  
leonard.kata@vw.com E-Mail

February 25, 2008 Date

Subject: MY 2009 Audi Application for Certification

Volkswagen of America, Inc.  
3800 Hamlin Road  
Auburn Hills, MI 48326  
Phone +1 248 754 5000  
Fax +1 248 754 4930

Dear Mr. Good,

We submit, with this letter, the model year 2009 Audi Part 1 Application for Certification for the following Test Group:

<u>Test Group</u>	<u>Standards</u>	<u>Sales Area</u>
9AD XV02.03UA	Tier 2 BIN 5 LEV II ULEV	Federal California

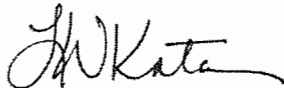
Copies of the Certification Fee filing form and OBD approval letter are contained in sections 15 and 16 of the included electronic application.

All vehicles within this test group comply with all applicable regulations contained in 40 CFR Part 86 and the compliance statements contained in sections 8 and 14.

This submission constitutes our final application and the request for issuance of a Certificate of Conformity.

If you have any questions with regard to this information please contact our office in Auburn Hills at (248) 754-4215 or (248) 754-4224.

Sincerely,



**Leonard W. Kata**  
Engineering and Environmental Office

Enclosure

**VOLKSWAGEN of America, Inc.**

4/18/07

EPA review complete.  
L. Sobachw

Ms. Lynn Sohacki

Compliance and Innovation Strategies Division  
Office of Mobile Sources  
U. S. Environmental Protection Agency  
2000 Traverwood Dr.  
Ann Arbor, Michigan 48105

Leonard W. Kata Name  
Manager - Emission Certification Title  
EEO Department  
248-754-4204 Phone  
248-754-4207 Fax  
leonard.kata@vw.com E-Mail

April 12, 2007 Date

Subject: Pre-Certification Submission of Onboard Refueling Vapor Recovery System Description for Review

Volkswagen of America, Inc.  
3800 Hamlin Road  
Auburn Hills, MI 48326  
Phone +1 248 754 5000  
Fax +1 248 754 4930

Dear Ms. Sohacki,

Volkswagen of America, Inc. herewith provides, on behalf of Volkswagen AG, a pre-certification description of an evaporative/refueling emission family that incorporates an onboard refueling vapor recovery (ORVR) system. This submission is provided in response to the updated information request described by the U.S. Environmental Protection Agency in their Manufacturers Guidance Correspondence, CCD-05-03 Attachment C.

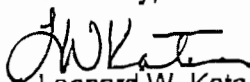
The system description applies to the following 2009 model year Volkswagen vehicle:

<u>Model Year</u>	<u>EVAP/Refueling Family</u>	<u>Vehicle Models</u>
2009	9VWXR0125241 (LEV II / Tier 2)	Volkswagen Tiguan

Specific responses to the information requirements listed in Attachment C of the Manufacturer Guidance Correspondence CCD-05-03 are enclosed with this letter.

If you have any questions with regard to this information please contact our office in Auburn Hills at (248) 754-4215 or (248) 754-4224.

Sincerely,



Leonard W. Kata  
Engineering and Environmental Office

Enclosure

OPTIONAL FORM 98 (7-99)

**FAX TRANSMITTAL**

# of pages = 1

To <i>Len Kata</i>	From <i>L. Sobachw</i>
Dept./Agency <i>VW</i>	Phone # <i>734-214-4851</i>
Fax # <i>248-754-4207</i>	Fax #

NEN 7540-01-317-7388

5099-101

GENERAL SERVICES ADMINISTRATION

## ORVR Safety Application for Carry-over ORVR Systems

The information provided below is in accordance with EPA Dear Manufacturer Letter CCD-05-03 - Attachment A.

Name of current ORVR/Evaporative Family: 9ADXR0125241

- 1.) Name of most recent previously certified ORVR/Evaporative Family from which the current family is being carried over:

9VWXR0125241

- 2.) Statement of No Substantial Changes:

There have been no substantial changes made from the previously certified ORVR system.

- 3.) List of changes that have been implemented:

a) None

- 4.) Statement of No In-Use Problems:

Audi has issued no defect reports, service notifications, emissions or safety recalls, campaigns, instructions or bulletins to dealers or field personnel and there are no changes in production procedure or components related to the ORVR system except as listed below.

a) None

b) U. S. DOT ODI Number: None

## ORVR Safety Application for Carry-over ORVR Systems

The information provided below is in accordance with EPA Dear Manufacturer Letter CCD-05-03 - Attachment A.

Name of current ORVR/Evaporative Family: 9ADXR0110238

- 5.) Name of most recent previously certified ORVR/Evaporative Family from which the current family is being carried over:

8ADXR0110238

- 6.) Statement of No Substantial Changes:

There have been no substantial changes made from the previously certified ORVR system.

- 7.) List of changes that have been implemented:

a) None

- 8.) Statement of No In-Use Problems:

Audi has issued no defect reports, service notifications, emissions or safety recalls, campaigns, instructions or bulletins to dealers or field personnel and there are no changes in production procedure or components related to the ORVR system except as listed below.

a) None

b) U. S. DOT ODI Number: None

## ORVR Safety Application for Carry-over ORVR Systems

The information provided below is in accordance with EPA Dear Manufacturer Letter CCD-05-03 - Attachment A.

Name of current ORVR/Evaporative Family: 9ADXR0125246

- 9.) Name of most recent previously certified ORVR/Evaporative Family from which the current family is being carried over:

8ADXR0125246

- 10.) Statement of No Substantial Changes:

There have been no substantial changes made from the previously certified ORVR system.

- 11.) List of changes that have been implemented:

a) None

- 12.) Statement of No In-Use Problems:

Audi has issued no defect reports, service notifications, emissions or safety recalls, campaigns, instructions or bulletins to dealers or field personnel and there are no changes in production procedure or components related to the ORVR system except as listed below.

a) None

b) U. S. DOT ODI Number: None



U.S. ENVIRONMENTAL PROTECTION AGENCY  
MOTOR VEHICLE AND ENGINE COMPLIANCE PROGRAM  
CY 2007 ON-HIGHWAY FEE FILING FORM

APPROVED FOR PAYMENT  
R. E. Thomas  
SIGN. R.E. Thomas  
Acct. P.O. # 4500210668  
ITEM # 00001

Applicant's Corporate Name Volkswagen of America, Inc.  
Address 3800 Hamlin Rd  
City/State/Zip Code/Country Auburn Hills, MI - 48326 - USA

On-Highway Certification Request Type (check one)

- LDV/LDT/MDPV/HDV (Chassis cert) FEDERAL (\$35,354)  HDV EVAP-ONLY (\$802)
- LDV/LDT/MDPV/HDV (Chassis cert) CAL-ONLY (\$18,419)  HDE CALIF-ONLY (\$802)
- HDE (Engine Dyno cert) FEDERAL (\$36,032)  MOTORCYCLE (\$1,878)
- LD/MDPV/HDV ICI (\$19,512)

EPA standard engine family or test group name:

9 A D X V 0 2 . 0 3 U A

Amount paid (U.S. Funds Only):  
(Make checks payable to: "U.S. ENVIRONMENTAL PROTECTION AGENCY")

\$ 35,354.00

EFT / ACH

Enter the check number, or the statement "EFT/WIRE" or "EFT/ACH":

Indicate in the EFT message field:

Wire: Location Code# "68010099", "EPA MVECP Fee", ABA# "021030004"

ACH: RDFI-US BANK, Routing Transit# "081000210", Account#: 1001091030, Account Name: EPA  
(Include in field: engine family/test group name, corporate name, and "MVECP Fees")

Reduced Fee Section (40 CFR 85.2406)

Reduced Fee Calculation (minimum \$750): Total number of vehicles/engines covered? \_\_\_\_\_  
Aggregate retail sales price of the vehicles/engines? \$ \_\_\_\_\_ x 1% = \$ \_\_\_\_\_  
Check box if an Independent Commercial Importer?  List the VIN of imported vehicles/engines below:


Company Representative: Richard Thomas Signature:

Title: Emissions Cert Strategist Phone/Fax: (248)754-4213 / (248)754-4207 Date: 09 / 13 / 2007

Current E-mail Address: Richard.Thomas@VW.com

Addresses: Send checks and all Fee Filing Forms for checks, wires and ACH payments by mail to:

Environmental Protection Agency  
Motor Vehicle and Engine Compliance Program  
P.O. Box 954472  
St. Louis, MO 63195-4472

See instruction page for sending checks and forms by private mail service (e.g., Federal Express).  
Transmit EFT/Wire payments to the New York Federal Reserve Bank.  
Transmit EFT/ACH to the US Bank.

# VOLKSWAGEN of America, Inc.

Ms. Annette Hebert, Division Chief

Mobile Source Operations Division  
State of California  
Air Resources Board Laboratory  
9528 Telstar Avenue  
El Monte, California 91731  
Attn: On-Road Certification and Audit Section

Leonard W. Kata Name  
Manager - Emission Certification Title  
EEO Department  
248-754-4204 Phone  
248-754-4207 Fax  
leonard.kata@vw.com E-Mail

February 25, 2008 Date

Subject: MY 2009 Audi Application for an Executive Order

Volkswagen of America, Inc.  
3800 Hamlin Road  
Auburn Hills, MI 48326  
Phone +1 248 754 5000  
Fax +1 248 754 4930

Dear Ms. Hebert,

We submit, with this letter, the model year 2009 Audi Part 1 Application for Certification for the following Test Group:

<u>Test Group</u>	<u>Standards</u>	<u>Sales Area</u>
9AD XV02.03UA	Tier 2 BIN 5 LEV II ULEV	Federal California

The EPA Certificate of Conformity for the test group was uploaded to through the Document Management System with the application.

This submission constitutes our final application and the request for issuance of the Executive Order.

If you have any questions with regard to this information please contact our office in Auburn Hills at (248) 754-4215 or (248) 754-4224.

Sincerely,



**Leonard W. Kata**  
Engineering and Environmental Office

Enclosures



<b>Section 17</b>	<b>Pg. 1</b>	<b>California ARB Information</b>	<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>		<b>9AD XV02.03UA</b>	<b>all</b>		

**17.01**      **California ARB Information**

Please refer to the Common Section for the following information

Production Vehicle same as Test Vehicle Statement

Labeling Durability Statement

Drivability Statement

ASM Compliance Statement

**17.02**      **Fill Pipe Specifications**

Please refer to common section.

**17.03**      **Evaporative Emission Deterioration Program**

Please refer to common section.

Section 17 Pg. 2	California ARB Information	Engine Code	R.CH-No.:	Revision Date
Test Group	9AD XV02.03UA	all		

**17.04 Assembly line NMOG / NMHC Factor**

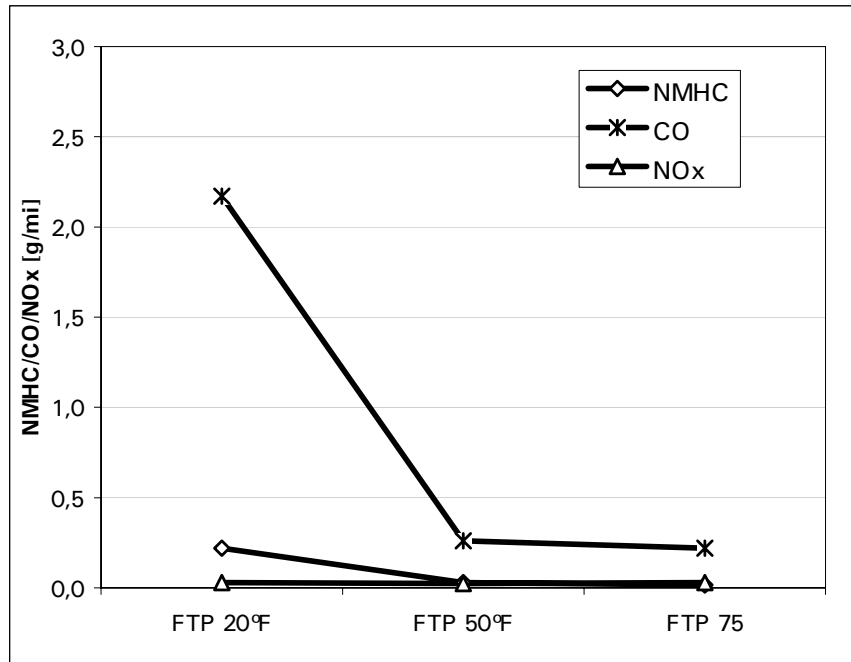
**F<sub>NMOG</sub>**: 1.04 (no RAF applied)  
According to ARB regulations

**F<sub>HCHO</sub>** (Indolene): 0.03

**F<sub>HCHO</sub>** (Phase II): 0.06

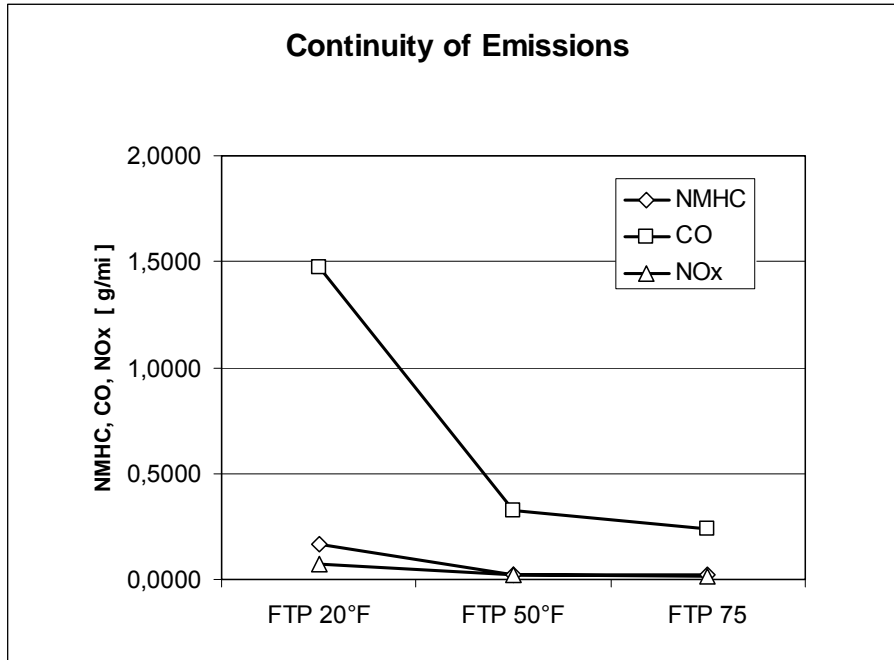
Compliance covered by statement according to regulations

**17.05 Continuity of Emissions (63UA AAF)**



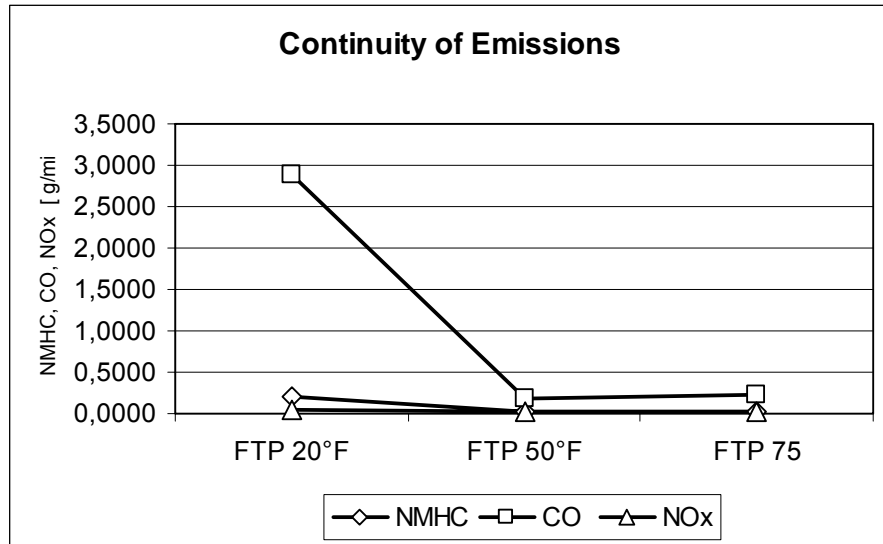
Section 17 Pg. 3	California ARB Information	Engine Code	R.CH-No.:	Revision Date
Test Group	9AD XV02.03UA	all		

17.05. Continuity of Emissions (VW Passat VW462 8-0066)



Section 17 Pg. 4	California ARB Information	Engine Code	R.CH-No.:	Revision Date
Test Group	9AD XV02.03UA	all		

17.05. Continuity of Emissions (VW Tiguan VW416 8-0217/09)



<b>Section 17</b>	<b>Pg. 5</b>	<b>California ARB Information</b>	<b>Engine Code:</b>	<b>R.CH-No.:</b>	<b>Revision Date:</b>
<b>Part 1</b>	<b>Test Group: 9AD XV02.03UA</b>		<b>all</b>	<b>03 &amp; 04</b>	<b>06-16-2008</b>

**2009 AIR RESOURCES BOARD SUPPLEMENTAL CERTIFICATION SUMMARY SHEET** Page 1 of 4  
**PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDUM-DUTY VEHICLES**

Manufacturer: AUDI AG Durability Group: 9ADGPGNN3UA Test Group: 9AD XV02.03UA  
 Evap Fam: 1) 9ADXR0110238 2) 9ADXR0125246 3) 9ADXR0125241  
 Evap Std: 1) Tier 2 / LEV II  
 Evaporative Emission T.P.: CA X Fed X R/L Test Proc: SHED     Pt Source X  
 Zero-Evap NMOG Credit: Yes     No X  
 Exh Std: CA Tier-1     TLEV     LEV     ULEVII X SULEV     ; US EPA: Tier 2 Bin 5  
 DDV Basis: 100K     120K X 150K     SFTP: Yes X No      
 Veh Type: LEV1: PC     LDT1     LDT2     MDV1     MDV2     MDV3     MDV4      
 LEV2: PC/LDT X MDV GVWR <= 10K     MDV GVWR > 10K      
 Fuel Type(s): Dedicated X Flex-Fuel     Dual-Fuel     Bi-Fuel     Gasoline X Diesel      
 CNG     LNG     LPG     M85     Other (specify)      
 Exh Emiss Test Fuel(s): Indo X CBG     CNG     LPG     M85     Other (specify)      
 Diesel: 13 CCR 2282     40 CFR 86.113-90     40 CFR 86.113-94      
 Durability Service Accum: Whole Veh Full Mi     Whole Veh Accel Mi X Bench     Other      
 EDV Std Compliance: DF X Aged Parts     Other      
 Exh ECS (use abbreviations per SAE J1930): ECS 1) DFI/TWC(2)/HO2S(2)/CAC/TC  
 EGR Type: n.a. AIR Type: n.a.  
 Displ. (L): 2.0 Engine Config. I4 Turbo Valves per Cylinder: 4  
 Rated HP: 1) 200 @ 5100-6000 RPM 2) 265 @ 6000 RPM (TTS only)  
 Engine: Front X Mid.     Rear     Drive: FWD X RWD     4WD-FT X 4WD-PT      
 All Eng Codes in Test Group: CA 49S 50S X  
 NMOG Test Procedure: Std X Equiv     RAF: NMOG n.a. CH4 n.a.  
 Mfr's NMOG Fleet Avg (g/mi):     Ratio(NMOG w/o RAF): NMOG/NMHC 1.04 HCHO/NMHC 0.03  
 OBD2 Compliance: Full X Partial     Partial w/0 fines      
 Test Veh.: 

DDV		EDV	
MY	ID	MY	ID
<u>2009</u>	<u>8366-ADF/08</u>	<u>2009</u>	<u>8366-AAF/08</u>
<u>   </u>	<u>   </u>	<u>2009</u>	<u>8366-AMF/08</u>
<u>   </u>	<u>   </u>	<u>2009</u>	<u>465 790007/09</u>

MY	ID	MY	ID
<u>2009</u>	<u>462 80066/08</u>	<u>2009</u>	<u>416 80217/09</u>
<u>2009</u>	<u>462 80062/08</u>	<u>2009</u>	<u>416 80218/09</u>
<u>2009</u>	<u>465 790008/09</u>	<u>2009</u>	<u>465 790008/09</u>

Evap Fam #)	ECS #)	Displ. (Liters)	Engine Code / CA/49ST/50ST	Vehicle Make / Models	Trans. (M5, A4, etc.)
1	1	2.0	CCTA / 50 ST	Audi / A3	L6 / M6
1	1	2.0	CCTA / 50 ST	VW / Jetta	L6 / M6
1	1	2.0	CCTA / 50 ST	VW / Jetta Sportwagen	L6 / M6
1	1	2.0	CCTA / 50 ST	VW / GTI	L6 / M6
1	1	2.0	CCTA / 50 ST	VW / EOS	L6 / M6
2	1	2.0	CCTA / 50 ST	VW / Passat	L6 / M6
2	1	2.0	CCTA / 50 ST	VW / Passat CC	L6 / M6
2	1	2.0	CCTA / 50 ST	VW / Passat Wagon	L6 / M6
3	1	2.0	CCTA / 50 ST	VW / Tiguan	L6 / M6
3	1	2.0	CCTA / 50 ST	VW / Tiguan 4motion	L6
1	1	2.0	CCTA / 50 ST	Audi / A3 quattro	L6
1	1	2.0	CCTA / 50 ST	Audi / TT Coupe quattro	L6
1	1	2.0	CCTA / 50 ST	Audi / TT Roadster quattro	L6
1	1	2.0	CDMA / 50 ST	Audi / TTS Coupe	L6
1	1	2.0	CDMA / 50 ST	Audi / TTS Roadster	L6

Date Issued: 10-15-2007

Revisions: 04-15-2008 | 05-06-2008 | 06-16-2008 |     |     |

<b>Section 17</b>	<b>Pg. 6</b>	<b>California ARB Information</b>	<b>Engine Code:</b>	<b>R.CH-No.:</b>	<b>Revision Date:</b>
<b>Part 1</b>	<b>Test Group:</b>	<b>9AD XV02.03UA</b>	<b>all</b>		

2009 MODEL-YEAR CERTIFICATION REVIEW SHEET  
EXHAUST/EVAPORATIVE SYSTEM & CALIFORNIA REQUIREMENTS  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

E.O.# \_\_\_\_\_  
Page 2 of 4

Manufacturer: AUDI AG Test Group: 9AD XV02.03UA Evaporative Family: 9ADXR0110238

**PROJECTED EMISSIONS**  
(g/mi, except g/test for evap., g/gal Refuel.) (1), (2)

Data Vehicle ID Test version	Engine Code (Displ)	Test Loc.	Trans	(Check One)		MPG City/Hwy	(Check One)		CO	NOx	HCHO**	EVAPORATIVE						
				TW/ X ETW	DPA/ X RLHP		NMHC X NMOG	CO				NOx	HCHO**	20°F CO	PM	Hwy NOx	City CO2	3-day D+HS
416 8-0217/09	CCTA	Mfr.	L6	4000	*	22.5/33.3	0.0211	0.23	0.025	n.a.	2.89	0.005	0.01	395	--	--	--	--
00	119.9					@ 120K	0.0273	0.23	0.029	n.a.			0.011					
6366-AAF	BPY	Mfr.	L6	3750	*	--/--	--	--	--	--	--	--	--	--	--	--	--	--
00						@ 150K	--	--	--	--	--	--	--	--	--	--	--	0.008
01						@ 150K	--	--	--	--	--	--	--	--	0.331	0.00	0.345	--

(1) The EDV (s) above comply with standards of (@ 50K): 0.040 1.7 0.05 0.008 10. n.a. 0.07 n.a. n.a. n.a. n.a. n.a.  
(@ 100K / (150K Evap) for PC,LDT, MDV): 0.055 2.1 0.07 0.011 n.a. n.a. 0.09 n.a. 0.5 0.05 0.65 0.20  
The NMOG values include Reactivity Adjustment Factor(s) (RAF) of: Not Applicable X NMOG      Methane (CNG or LNG only)       
Emission values include deterioration factors (DF's)  
with RAF deterioration, (if applicable) of (50K): 0.0044 0.00 0.003 0.0001 0.00 n.a. 0.003 n.a. n.a. n.a. n.a. n.a.  
(120K (150K Evap) for PC,LDT and MDV): 0.0106 0.00 0.007 0.0003 n.a. n.a. 0.007 n.a. 0.014 0.000 0.014 0.000  
LEV/ULEV/SULEV 50°F emissions (without RAF and DFs): 0.0208 0.17 0.024 n.a.  
LEV/ULEV/SULEV 50°F standards: 0.0800 1.70 0.050 n.a.

(2) Evaporative DF is the average of: **3-day D + HS:** Vehicle DF 0.000 and **3-day D + HS** Bench DF 0.028 ; **R/L** Vehicle DF 0.000 and **R/L** Bench DF 0.000  
**2-day D + HS:** Vehicle DF 0.000 and **2-day D + HS** Bench DF 0.028 ; **ORVR** Bench DF 0.000

(3) List configuration with highest projected sales first

Remarks : \* according Road Track Adjustment Procedure, refer to common section 12  
\*\* HCHO Compliance by statement.  
Results: US06: NMHC + NOx = 0.030, CO = 4.35; SC03: NMHC + NOx = 0.035, CO = 1.46  
US06 standards: NMHC + NOx = 0.14, CO = 8.0; SC03 standards: NMHC + NOx = 0.20, CO = 2.7  
**CO2 values:** **HFET** - 06/27/2007: 267 g/mi // **US06** - 06/27/2007: 369 g/mi // **SC03** - 07/23/2007: 487 g/mi

Application  
Processed by: \_\_\_\_\_ Date: \_\_\_\_\_ Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_

Date Issued: 10-25-2007 Revised:

Section 17	Pg. 7	California ARB Information	Engine Code:	R.CH-No.:	Revision Date:
Part 1	Test Group:	9AD XV02.03UA	all		

2009 MODEL-YEAR CERTIFICATION REVIEW SHEET  
EXHAUST/EVAPORATIVE SYSTEM & CALIFORNIA REQUIREMENTS  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

E.O.# \_\_\_\_\_  
Page 3 of 4

Manufacturer: AUDI AG Test Group: 9AD XV02.03UA Evaporative Family: 9ADXR0125246

**PROJECTED EMISSIONS**

(g/mi, except g/test for evap., g/gal Refuel.) (1), (2)

Data Vehicle ID Test version	Engine Code (Displ)	Test Loc.	Trans	(Check One)		MPG City/Hwy	(Check One)		CO	NOx	HCHO**	20°F CO	Hwy PM	City NOx	EVAPORATIVE			
				X ETW	X R/LHP		X NMHC	X NMOG							3-day CO2	3-day D+HS	R/L	2-day D+HS
416 8-0217/09 00	CCTA 119.9	Mfr.	L6	4000	*	22.5/33.3 @ 120K	0.0211 0.0273	0.23	0.025	n.a.	2.89	0.005	0.01 0.011	395	--	--	--	--
461-60137/06 00	BLV 219.4	Mfr.	L6	4250		--/-- @ 150K									0.283	0.002	0.245	0.003

(1) The EDV (s) above comply with standards of (@ 50K): 0.040 1.7 0.05 0.008 10. n.a. 0.07 n.a. n.a. n.a. n.a. n.a.  
(@ 100K / (150K Evap) for PC,LDT, MDV): 0.055 2.1 0.07 0.011 n.a. n.a. 0.09 n.a. 0.5 0.05 0.65 0.20  
The NMOG values include Reactivity Adjustment Factor(s) (RAF) of: Not Applicable X NMOG \_\_\_\_\_ Methane (CNG or LNG only) \_\_\_\_\_  
Emission values include deterioration factors (DF's)  
with RAF deterioration, (if applicable) of (50K): 0.0044 0.00 0.003 0.0001 0.00 n.a. 0.003 n.a. n.a. n.a. n.a. n.a.  
(120K (150K Evap) for PC,LDT and MDV): 0.0106 0.00 0.007 0.0003 n.a. n.a. 0.007 n.a. 0.000 0.00 0.000 0.003  
LEV/ULEV/SULEV 50°F emissions (without RAF and DFs): 0.0208 0.17 0.024 n.a.  
LEV/ULEV/SULEV 50°F standards: 0.0800 1.70 0.050 n.a.

(2) Evaporative DF is the average of: **3-day D + HS:** Vehicle DF 0.000 and **3-day D + HS** Bench DF 0.000 ; **R/L** Vehicle DF 0.000 and **R/L** Bench DF 0.000  
**2-day D + HS:** Vehicle DF 0.000, and **2-day D + HS** Bench DF 0.000 ; **ORVR** Bench DF 0.003

(3) List configuration with highest projected sales first

Remarks : \* according Road Track Adjustment Procedure, refer to common section 12  
\*\* HCHO Compliance by statement.  
Results: US06: NMHC + NOx = 0.030, CO = 4.35; SC03: NMHC + NOx = 0.035, CO = 1.46  
US06 standards: NMHC + NOx = 0.14, CO = 8.0; SC03 standards: NMHC + NOx = 0.20, CO = 2.7  
CO2 values: **HFET** - 06/27/2007: 267 g/mi // **US06** - 06/27/2007: 369 g/mi // **SC03** - 07/23/2007: 487 g/mi

Application  
Processed by: \_\_\_\_\_ Date: \_\_\_\_\_ Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_

Date Issued: 10-25-2007 Revised: \_\_\_\_\_

Section 17	Pg. 8	California ARB Information	Engine Code:	R.CH-No.:	Revision Date:
Part 1	Test Group:	9AD XV02.03UA	all		

2009 MODEL-YEAR CERTIFICATION REVIEW SHEET  
EXHAUST/EVAPORATIVE SYSTEM & CALIFORNIA REQUIREMENTS  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

E.O.# \_\_\_\_\_  
Page 4 of 4

Manufacturer: AUDI AG Test Group: 9AD XV02.03UA Evaporative Family: 9ADXR0125241

**PROJECTED EMISSIONS**

(g/mi, except g/test for evap., g/gal Refuel.) (1), (2)

Data Vehicle ID Test version	Engine Code (Displ)	Test Loc.	Trans	(Check One)		MPG City/Hwy	(Check One)		CO	NOx	HCHO**	20°F CO	Hwy PM	City NOx	EVAPORATIVE			
				X ETW	X R/LHP		X NMHC	X NMOG							CO2	3-day D+HS	R/L	2-day D+HS
416 8-0217/09 00	CCTA 119.9	Mfr.	L6	4000	*	22.5/33.3 @ 120K	0.0211 0.0273	0.23	0.025	n.a.	2.89	0.005	0.01	395	--	--	--	--
416 8-0217/09 00	CCTA 119.9	Mfr.	L6	4000		--/-- @ 150K									0.410	0.000	0.500	0.031

(1) The EDV (s) above comply with standards of (@ 50K): 0.040 1.7 0.05 0.008 10. n.a. 0.07 n.a. n.a. n.a. n.a. n.a.  
(@ 100K / (150K Evap) for PC,LDT, MDV): 0.055 2.1 0.07 0.011 n.a. n.a. 0.09 n.a. 0.5 0.05 0.65 0.20  
The NMOG values include Reactivity Adjustment Factor(s) (RAF) of: Not Applicable X NMOG \_\_\_\_\_ Methane (CNG or LNG only) \_\_\_\_\_  
Emission values include deterioration factors (DF's)  
with RAF deterioration, (if applicable) of (50K): 0.0044 0.00 0.003 0.0001 0.00 n.a. 0.003 n.a. n.a. n.a. n.a. n.a.  
(120K (150K Evap) for PC,LDT and MDV): 0.0106 0.00 0.007 0.0003 n.a. n.a. 0.007 n.a. 0.000 0.00 0.000 0.003  
LEV/ULEV/SULEV 50°F emissions (without RAF and DFs): 0.0208 0.17 0.024 n.a.  
LEV/ULEV/SULEV 50°F standards: 0.0800 1.70 0.050 n.a.

(2) Evaporative DF is based on bench DF testing only:  
**3-day D + HS:** Bench DF 0.000 ; **R/L Bench DF** 0.000 **2-day D + HS:** Bench DF 0.000 ; **ORVR Bench DF** 0.003  
(3) List configuration with highest projected sales first

Remarks : \* according Road Track Adjustment Procedure, refer to common section 12  
\*\* HCHO Compliance by statement.  
Results: US06: NMHC + NOx = 0.030, CO = 4.35; SC03: NMHC + NOx = 0.035, CO = 1.46  
US06 standards: NMHC + NOx = 0.14, CO = 8.0; SC03 standards: NMHC + NOx = 0.20, CO = 2.7  
CO2 values: **HFET** - 06/27/2007: 267 g/mi // **US06** - 06/27/2007: 369 g/mi // **SC03** - 07/23/2007: 487 g/mi

Application  
Processed by: \_\_\_\_\_ Date: \_\_\_\_\_ Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_

Date Issued: 10-25-2007 Revised: \_\_\_\_\_



<b>Section 17</b>		<b>California ARB Information</b>	<b>Engine Code:</b>	<b>R.CH-No.:</b>	<b>Revision Date:</b>
<b>Part 2</b>	<b>Test Group:</b>	<b>9AD XV02.03UA</b>	<b>all</b>		

2009 MODEL-YEAR ARB High-Cost Emission Repairs List

<b>Audi TT quattro, TTS Models</b>						
<b>Part</b>	<b>Part number</b>	<b>Part Cost</b>	<b>Labor</b>	<b>Labor Cost</b>	<b>Total Cost</b>	<b>7 years/70,000 miles Warranty</b>
Turbocharger assembly	06F 145 701 E	\$1,820.45	6.2	\$837.00	\$2,657.45	Covered
Transmission Control Module (TCM)	8J0 907 115 R	\$1,067.00	1	\$135.00	\$1,202.00	Covered
Fuel Tank	8J0 201 060 B	\$590.78	3.8	\$513.00	\$1,103.78	Covered
Cam Adjuster (intake)	06F 109 088 J	\$548.33	3.8	\$513.00	\$1,061.33	Covered
Cam Adjuster Exhaust	06F 109 088 J	\$548.33	3.8	\$513.00	\$1,061.33	Covered
Engine Control Module (ECM)	8J0 997 020 BX	\$835.05	0.5	\$67.50	\$902.55	Covered
Instrument Cluster	8J0 920 990 CX	\$659.70	0.6	\$81.00	\$740.70	Covered
Fuel Distribtuion rail	06F 133 317 L	\$172.07	4.1	\$553.50	\$725.57	Covered
Intake manifold	06F 133 201 N	\$197.29	3.7	\$499.50	\$696.79	Covered
Injection Valves (Fuel Injector)	06F 906 036 A	\$89.48	4.0	\$540.00	\$629.48	Covered
Fuel High pressure sensor	06J 906 051	\$88.45	3.4	\$459.00	\$547.45	Covered
Fuel low pressure sensor	06E 906 051 E	\$74.00	3.4	\$459.00	\$533.00	
Throttle part and idle control valve	06F 133 062 J	\$367.53	0.9	\$121.50	\$489.03	
Charge Air Cooler	1K0 145 803 A	\$176.93	2.2	\$297.00	\$473.93	
Fuel high pressure pump	06F 127 025 H	\$340.45	0.7	\$94.50	\$434.95	

Continued

<b>Section 17</b>		<b>California ARB Information</b>	<b>Engine Code:</b>	<b>R.CH-No.:</b>	<b>Revision Date:</b>
<b>Part 2</b>	<b>Test Group:</b>	<b>9AD XV02.03UA</b>	<b>all</b>		

2009 MODEL-YEAR ARB High-Cost Emission Repairs List

<b>Audi A3 Models Part</b>	<b>Part Number</b>	<b>Parts Cost</b>	<b>Labor Times</b>	<b>Labor Cost</b>	<b>Total Cost @ \$135 / hr</b>	<b>7 years/70,000 mile Warranty</b>
Exhaust Manifold - W/Turbocharger	06F 145 701 N	\$1,820.45	6.3	\$850.50	\$2,670.95	Covered
Fuel Tank	1K0 201 055 JT	\$754.98	2.2	\$297.00	\$1,051.98	Covered
Engine Control Module (ECM)	8P0 907 115 Q	\$767.52	1.1	\$148.50	\$916.02	Covered
Cam Adjuster (intake)	06H 109088C	\$548.33	2.2	\$297.00	\$845.33	Covered
Cam Adjuster Exhaust	06F 109 088 J	\$548.33	2.2	\$297.00	\$845.33	Covered
Intake manifold	06F 133 201 N	\$234.87	3.3	\$445.50	\$680.37	Covered
Fuel Distribution rail	06F 133 317 L	\$172.07	3.7	\$499.50	\$671.57	Covered
Injection Valves (Fuel Injector)	06F 906 036 A	\$89.48	3.8	\$513.00	\$602.48	Covered
Fuel High pressure sensor	06J 906 051	\$88.45	3.4	\$459.00	\$547.45	
Fuel low pressure sensor	06E 906 051 E	\$74.00	3.4	\$459.00	\$533.00	
Knock Sensor	06F 905 377	\$19.13	3.7	\$499.50	\$518.63	

<b>VW GTI / Jetta Part</b>	<b>Part Number</b>	<b>Parts Cost</b>	<b>Labor Times</b>	<b>Labor Cost</b>	<b>Total Cost @ \$121 / hr</b>	<b>7 years/70,000 mile Warranty</b>
Turbocharger assembly	06F145701C	\$1,208.20	4.20	508.20	\$1,716.40	Covered
Throttle part and idle control valve	06F133062J	\$367.53	0.90	108.90	\$476.43	
Camshaft Adjuster	06F109088J	\$276.12	1.90	229.90	\$506.02	
Catalytic Converter	1K0254504RX	\$1,000.00	0.90	108.90	\$1,108.90	Covered
Fuel Tank	1K0201055AF	\$580.30	1.90	229.90	\$810.20	Covered
Intake Manifold	06J 133 201 G	\$210.45	1.30	157.30	\$367.75	
TCM	09G927750FL	\$819.46	0.70	84.70	\$904.16	Covered
Charge Air Cooler	1K0 145 803 A	176.93	2.2	266.20	443.13	
Fuel high pressure pump	06F 127 025 H	340.45	0.7	84.70	425.15	

<b>Section 17</b>		<b>California ARB Information</b>	<b>Engine Code:</b>	<b>R.CH-No.:</b>	<b>Revision Date:</b>
<b>Part 2</b>	<b>Test Group:</b>	<b>9AD XV02.03UA</b>	<b>all</b>		

2009 MODEL-YEAR ARB High-Cost Emission Repairs List

<b>VW Eos Part</b>	<b>Part Number</b>	<b>Parts Cost</b>	<b>Labor Times</b>	<b>Labor Cost</b>	<b>Total Cost @ \$121 / hr</b>	<b>7 years/70,000 mile Warranty</b>
Turbocharger assembly	06F145701C	\$1,208.20	4.20	508.20	\$1,716.40	Covered
Throttle part and idle control valve	06F133062J	\$367.53	1.10	133.10	\$500.63	
Camshaft Adjuster	06F109088J	\$276.12	1.90	229.90	\$506.02	
Catalytic Converter	1K0254504RX	\$1,000.00	1.60	193.60	\$1,193.60	Covered
Fuel Tank	1Q0201021AM	\$583.52	1.90	229.90	\$813.42	Covered
Intake Manifold	06J 133 201 G	\$210.45	1.60	193.60	\$404.05	
TCM	09G927750FL	\$819.46	0.50	84.70	\$904.16	Covered
Charge Air Cooler	1K0 145 803 A	176.93	2.2	266.20	443.13	
Fuel high pressure pump	06F 127 025 H	340.45	0.7	84.70	425.15	

<b>VW Passat Models Part</b>	<b>Part Number</b>	<b>Parts Cost</b>	<b>Labor Times</b>	<b>Labor Cost</b>	<b>Total Cost @ \$121 / hr</b>	<b>7 years/70,000 mile Warranty</b>
Turbocharger assembly	06F145701C	\$1,208.20	4.20	508.20	\$1,716.40	Covered
Throttle part and idle control valve	06F133062J	\$367.53	1.10	133.10	\$500.63	
Camshaft Adjuster	06F109088J	\$276.12	1.90	229.90	\$506.02	
Catalytic Converter	3C0253059BF	\$1,000.00	1.60	193.60	\$1,193.60	Covered
Fuel Tank	3C0201055J	\$815.58	1.90	229.90	\$1,045.48	Covered
Intake Manifold	06J 133 201 G	\$210.45	1.60	193.60	\$404.05	
TCM	09G927750CJ	\$391.00	0.50	60.50	\$451.50	
Charge Air Cooler	1K0 145 803 A	176.93	2.2	266.20	443.13	
Fuel high pressure pump	06F 127 025 F	238.62	0.7	84.70	323.32	

<b>Section 17</b>		<b>California ARB Information</b>	<b>Engine Code:</b>	<b>R.CH-No.:</b>	<b>Revision Date:</b>
<b>Part 2</b>	<b>Test Group:</b>	<b>9AD XV02.03UA</b>	<b>all</b>		

2009 MODEL-YEAR ARB High-Cost Emission Repairs List

<b>VW Tiguan Part</b>	<b>Part number</b>	<b>Parts Cost</b>	<b>Labor</b>	<b>Labor @ \$121 / hour</b>	<b>Total Cost</b>	<b>7 years/70,000 miles Warranty</b>
Turbocharger assembly	06J 145 701 N	\$1,450.00	2.5	\$302.50	\$1,752.50	Covered
Charge Air Cooler	3C0 145 805 R	\$261.93	1.7	\$205.70	\$467.63	
Fuel high pressure pump	06F127025J	\$345.38	0.9	\$108.90	\$454.28	
Throttle part and idle control valve	06F 133 062 G	\$367.53	0.7	\$84.70	\$452.23	
Camshaft Adjuster	06F109088J	\$276.12	1.9	\$229.90	\$506.02	
Catalytic Converter	3C0 254 503 CX	\$1,000.00	1.3	\$157.30	\$1,157.30	Covered
Fuel Tank	3C0 201 055 E	\$1,010.66	1.9	\$229.90	\$1,240.56	Covered
Transmission Control Module	09G 927 750 AS	\$460.00	0.5	\$60.50	\$520.50	
Electronic Control Module	06J 906 026 H	\$1,153.63	0.7	\$84.70	\$1,238.33	Covered
Intake Manifold	06J 133 201 G	\$210.45	2.5	\$302.50	\$512.95	

Date Issued: 10-30-2008

Revised:



Audi AG, a member of the Volkswagen Group  
**Application for Emissions Certification Part 2**  
**2009 Model Year**

**Durability Group:** 9ADXGPGNN3UA  
**Evap. Families:** 9ADXR0125241  
9ADXR0110238  
9ADXR0125246

**Test Group:** 9ADXV02.03UA

**Summary Sheets:** 640T2-01 / 640T2-02 / 640T2-03  
**Durability Group Description:** Four Stroke, Otto Cycle, Gasoline Fueled, Direct Fuel Injection, Catalyst Code: REX 1662  
**Test group Description:** 2.0 Liter I4 – LDV  
**Applicable Standards:** 50-State: CA: Federal:  
LEV-II ULEV  
**Carlines Covered:** Volkswagen Tiguan, Tiguan 4motion  
Audi A3, A3 quattro  
Audi TT Coupe quattro, TT Roadster quattro  
Volkswagen Jetta, Jetta Sportwagen, GTI, Eos  
Volkswagen Passat, Passat Wagon, Passat CC

**Issue Date:** 12-16-2008

**For Questions, Contact:**  
Robert Hart, (248) 754-4224  
Dennis Reineke, (248) 754-4215


## Table of Contents – Part 2

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Section 21 Pg. 1	Other Information	Engine Code	R.CH-No.:	Revision Date
Test Group	9AD XV02.03UA	all	03_08	05-06-2008

**Vehicle Emission Control Information**

**LABEL Audi A3, Audi A3 quattro Audi TT Coupe quattro , Audi TT Roadster Quattro, Audi TTS Coupe, Audi TTS Roadster**

	<b>AUDI AG</b> VEHICLE EMISSION CONTROL INFORMATION
Conforms to regulations: <u>2009 MY</u>	
U.S. EPA: <u>T2B5</u> <u>LDV</u> OBD: <u>CA II</u> Fuel: <u>Gasoline</u>	
California: <u>ULEVII</u> <u>PC</u> OBD: <u>CA II</u> Fuel: <u>Gasoline</u>	
No adjustments needed.	DFI/TWC(2)/HO2S(2)/CAC/TC
Group: 9AD XV02.03UA Evap: 9AD XR0110238	


**LABEL VW Golf, Jetta, VW EOS**

	<b>VOLKSWAGEN</b> VEHICLE EMISSION CONTROL INFORMATION
Conforms to regulations: <u>2009 MY</u>	
U.S. EPA: <u>T2B5</u> <u>LDV</u> OBD: <u>CA II</u> Fuel: <u>Gasoline</u>	
California: <u>ULEVII</u> <u>PC</u> OBD: <u>CA II</u> Fuel: <u>Gasoline</u>	
No adjustments needed.	DFI/TWC(2)/HO2S(2)/CAC/TC
Group: 9AD XV02.03UA Evap: 9AD XR0110238	


Section 21	Pg. 2	Other Information	Engine Code	R.CH-No.:	Revision Date
Test Group		9AD XV02.03UA	all	03 08	05-06-2008

**Part Numbers**

**LABEL VW Passat CC**

	<b>VOLKSWAGEN</b> VEHICLE EMISSION CONTROL INFORMATION	
Conforms to regulations: <u>2009 MY</u>		
U.S. EPA: <u>T2B5</u> <u>LDV</u> OBD: <u>CA II</u> Fuel: <u>Gasoline</u>		
California: <u>ULEVII</u> <u>PC</u> OBD: <u>CA II</u> Fuel: <u>Gasoline</u>		
No adjustments needed.		DFI/TWC(2)/HO2S(2)/CAC/TC
Group:9AD XV02.03UA Evap: 9ADXR0125246		

**LABEL VW Tiguan**

	<b>VOLKSWAGEN</b> VEHICLE EMISSION CONTROL INFORMATION	
Conforms to regulations: <u>2009 MY</u>		
U.S. EPA: <u>T2B5</u> <u>LDV</u> OBD: <u>II</u> Fuel: <u>Gasoline</u>		
California: <u>ULEVII</u> <u>PC</u> OBD: <u>II</u> Fuel: <u>Gasoline</u>		
No adjustments needed.		DFI/TWC(2)/HO2S(2)/CAC/TC
Group:9AD XV02.03UA Evap: 9ADXR0125241		



<b>Section 21</b>	<b>Pg. 3</b>	<b>Other Information</b>	<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>		<b>9ADXV02.03UA</b>	<b>all</b>		<b>12-10-2008</b>

## Part Numbers

	<b>Audi A3 / A3 quattro</b>	<b>Audi TT quattro</b>	<b>GTI / Jetta</b>	<b>Audi TTS</b>
<b>I. Air Induction System</b>				
Intake Air Cleaner (assembly)	1K0 129 601 BC			8J0 129 601 A
Intake Manifold Control Valve	see Intake Manifold assembly			06F 133 482 D / E
Turbocharger assembly	06J 145 701 N / 06J 145 701 T			06F 145 702 C
Charge Air Cooler	1K0 145 803 S	1K0 145 803 A	1K0 145 803 S	1K0 145 803 P
Charge over valve	06F 906 283 F			06F 906 283 F
<b>II. Fuel Metering System</b>				
Engine Temperature Sensor NTC	06A 919 501 A			06A 919 501 A
Engine Thermostat	06H 121 111 M / 06H 121 111 J			06F 121 111 H
Engine Cooling Fan Thermo Switch	-			-
Intake Air Temperature Sensor	06B 905 379 D			06B 905 379 D
Mass Air Flow Sensor	06J 906 461 B			03H 906 461
Intake Air Pressure Sensor	038 906 051 D			038 906 051 C
Engine Speed Sensor	06H 906 433			06A 906 433 L / G
Fuel pressure regulator	integrated in Fuel high pressure pump			06D 130 757 C
Fuel high pressure pump	06H 127 025 K			06F 127 025 J
Fuel high pressure sensor	06J 906 051 B			06J 906 051 B
Fuel low pressure sensor	-			06E 906 051 K
Injection valves	06H 906 036 E / 06H 906 036 Q / G			06F 906 036 F
Diesel Glow Plug	-			-
Throttle part and idle control valve	06F 133 062 J			06F 133 062 J
<b>III. Ignition System</b>				
Ignition Coil	06F 905 115 F / 06H 905 115			06F 905 115 F
Knock Sensor	06E 905 377 A			06E 905 376 ZYL.1+2 06F 905 377 ZYL.3+4
Camshaft Position Sensor	07L 905 163 A			07K 907 601 A
Camshaft Adjuster	06H 109 088 C			06F 103 530 G
Camshaft Adjuster Control Valve (Assembly)	07L 905 163 A			06F 109 257 A / C (06F 103 107 G)
<b>IV. Exhaust Gas Recirculation (EGR) System</b>				
EGR Valve	-			-
EGR Cooler	-			-
<b>V. Positive Crankcase Ventilation System--PCV</b>				
Crankcase Ventilation Valve	06H 103 495 A			06F 129 101 E
<b>VI. Fuel Evaporative Control (EVAP) System</b>				
EVAP Purge Valve	06H 906 517 H			06E 906 517 A
EVAP Carbon Canister	1K0 201 797 B 1K0 201 797 N (quattro)	1K0 201 797 N	1K0 201 797 B	1K0 201 797 N
EVAP Leak Detection Pump	8P0 906 201 A	8J0 906 201 A	1K0 906 201 C	8J0 906 201 A
<b>VII. Secondary Air Injection System</b>				
Secondary Air Injection Pump	-			-
Secondary Air Injection Control Valve	-			-
<b>VIII. Exhaust</b>				
Catalytic Converter	1K0 131 701 BK / 1K0 131 701 DN			1K0 131 701 BK / DN
Warm up Catalytic Converter	1K0 131 690 CR			8J0 131 690 L
Catalyst assembly	1K0 253 059 TG / 1K0 253 058 CE			8J0 253 059 BK / BM
Diesel Particulate Trap	-			-
Diesel Particulate Trap Injection Pump	-			-
<b>IX. Engine Emission Control System Sensors</b>				
Front oxygen sensors	06F 906 262 AC	06F 906 262 AC	06F 906 262 AC	06F 906 262 AC
Rear oxygen sensors	06J 906 262 K	06F 906 265	06J 906 262 K	06F 906 265
<b>XII. Labels</b>				
engine tune-up label	8P0 010 504 N	8J0 010 504 E	1K0 010 676 N	8J0 010 504 E
vacuum hose routing diagram	-			-
I/M exemption label (only quattro)	077 010 542 A	077 010 542 A	-	077 010 542 A
<b>XIII. Others</b>				
Passenger Compartment Auxiliary Heater	-			-

<b>Section 21</b>	<b>Pg. 4</b>	<b>Other Information</b>	<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>	<b>9ADXV02.03UA</b>		<b>all</b>		<b>12-10-2008</b>

### Engine Control Module (ECM) Information

Engine Control Module	Engine Code	Calibration Identification (CAL ID)	Calibration Verification Number (CVN)
<b>Audi A3</b>	CCTA	8P0907115AG 0010	7E3B8D91
		8P0907115AG 0030	4CDB891C
<b>GTI / Jetta</b>	CCTA	1K0907115AE 0010	55DC669F
		1K0907115AE 0030	CC8FE06C
<b>Audi TT Coupe / Roadster</b>	CCTA	8J0907115M 0010	59FF7D02
<b>Audi TTS Coupe / Roadster</b>	CDMA	8J0907115R 0010	E6F9CDC4

### Transmission Control Module (TCM) Information

Transmission Control Module	Transmission	Calibration Identification (CAL ID)	Calibration Verification Number (CVN)
<b>Audi A3</b>	DQ250-6F	02E300051C 1595	00006d24
		02E300051C 1704	0000f6e4
		02E300051C 1802	00007c6d
		02E300051C 1901	00001091
<b>Audi A3</b>	DQ250-6A	02E300011BQ 1702	00003006
		02E300011BQ 1806	0000ebb4
		02E300011DC 1902	0000a588
<b>Audi TT Coupe / Roadster</b>	DQ250-6A	02E300011BQ 1704	0000cd91
		02E300011BQ 1808	000011ad
		02E300011BQ 1904	0000d5e2
<b>GTI / Jetta</b>	DQ250-6F	02E300051C 1712	0000fff6
		02E300051C 1713	0000a9d8
		02E300051C 1815	0000574a
		02E300051C 1816	0000c8d9
		02E300051C 1907	000047e6
		02E300051C 1908	00009424
<b>Audi TTS Coupe / Roadster</b>	DQ250-6A	02E300012CF 1702	0000852a
		02E300012CF 1804	00007347
		02E300012G 1902	000087c9

Section 21	Pg. 5	Other Information	Engine Code:	R.CH-No.:	Revision Date:
Part 2	Test Group:	9ADXV02.03UA	all		

21.03

Production Engine Parameters

Parts List (Passat and Tiguan models)

Part	Part Number
intake air cleaner (assembly)	1K0 129 601 BC
intake manifold	6J 133 201 G
	06J 133 185 BN
Turbocharger assembly	06J 145 701 N
add.	06J 145 701 T
charge Air Cooler Tiguan, Passat	3C0 145 805 R
EOS	1K0 145 803 S /L /M
charge over valve	06F 906 283 F
engine temperature sensor ntc	06A 919 501 A
engine thermostat	06H 121 111 M
	06F 121 111 J
Intake air temperature sensor	06B 905 379 D
mass air flow sensor (intake air sens. incl.)	06J 906 461 B
add.	06J 906 461 B
Intake air pressure sensor	038 906 051 D
engine speed sensor	06H 906 433
fuel pump high pressure with fuel pressure regulator	06H 127 025 K
fuel pressure sensor (high pressure)	06J 906 051 B
injection valves	06H 906 036 E
	06H 906 036 Q
throttle part and idle control valve	06F 133 062 J
ignition Coil	06F 905 115 F
	06H 905 115
knock Sensor	06E 905 377 A
camshaft position sensor	07L 905 163 A
camshaft Adjuster	06H 109 088 C
camshaft adjuster aontrol valve	07L 905 163 A
crankcase ventilation valve	06H 103 495 A
EVAP purge valve	06H 906 517 H
EVAP carbon canister EOS	1K0 201 797 T / AC
Passat / Tiguan	3C0 201 797 C/D
catalytic converter	5N0 131 701 F
add.	5N0 131 701 G
add.	1K0 131 701 DN
warm up catalytic converter	1K0 131 690 CR
front oxygen sensor EOS	06F 906 262 AC
Passat	06F 906 262 AC
Tiguan	06J 906 262 M
rear oxygen sensor EOS	06J 906 262 K
Passat	06F 906 262 AE
Tiguan	06J 906 262 N

<b>Section 21</b>	<b>Pg. 6</b>	<b>Other Information</b>	<b>Engine Code:</b>	<b>R.CH-No.:</b>	<b>Revision Date:</b>
<b>Part 2</b>	<b>Test Group:</b>	<b>9ADXV02.03UA</b>	<b>all</b>	<b>RF 9A2.03UA 05 08</b>	<b>07-18-2008</b>

**21.02 Production Engine Parameters**

**Parts List (cont.)**

**Engine Control Module**

**Engine Control Module**

<b>CARLINE</b>	<b>ENGINE CODE</b>	<b>Transm. / Drive</b>	<b>Cal-ID</b>		<b>CVN calibration verification no</b>	<b>REMARKS</b>
			<b>PART NUMBER</b>	<b>SOFTWARE LEVEL</b>		
EOS	<b>CCTA</b>	L 6 FWD	06J 906 026 E	3077	<b>A3C6BD66</b>	
EOS	<b>CCTA</b>	L 6 FWD	06J 906 026 BE	3289	<b>FF5F1079</b>	
EOS	<b>CCTA</b>	M 6 FWD	06J 906 026 E	3077	<b>A3C6BD66</b>	
EOS	<b>CCTA</b>	M 6 FWD	06J 906 026 BE	3289	<b>FF5F1079</b>	

<b>Section 21</b>	<b>Pg. 7</b>	<b>Other Information</b>	<b>Engine Code:</b>	<b>R.CH-No.:</b>	<b>Revision Date:</b>
<b>Part 2</b>	<b>Test Group:</b>	<b>9AD XV02.03UA</b>	<b>all</b>	<b>RF 9A2.03UA 05 08</b>	<b>07-18-2008</b>

**21.02 Production Engine Parameters**

**Parts List (cont.)**

**Engine Control Module**

**Engine Control Module**

CARLINE	ENGINE CODE	Transm. / Drive	Cal-ID		CVN calibration verification no	REMARKS
			PART NUMBER	SOFTWARE LEVEL		
Passat Passat wagon Passat CC	CCTA	L 6 FWD	06J 906 026 AG	2576	0FCFAE51	
			06J 906 026 AG	3148	F2A0BB06	
			06J 906 026 AG	3319	B032D73	
Passat Passat wagon Passat CC	CCTA	M 6 FWD	06J 906 026 AF	2575	871DC695	
			06J 906 026 AF	3147	D99883E4	
			06J 906 026 AF	3318	C7126698	

<b>Section 21</b>	<b>Pg. 8</b>	<b>Other Information</b>	<b>Engine Code:</b>	<b>R.CH-No.:</b>	<b>Revision Date:</b>
<b>Part 2</b>	<b>Test Group:</b>	<b>9ADXV02.03UA</b>	<b>all</b>	<b>RF_9A2.03UA_06_08</b>	<b>08-14-2008</b>

**21.02 Production Engine Parameters**

**Parts List (cont.)**

**Engine Control Module**

**Engine Control Module**

CARLINE	ENGINE CODE	Transm. / Drive	Cal-ID		CVN calibration verification no	REMARKS
			PART NUMBER	SOFTWARE LEVEL		
Tiguan	CCTA	L 6 FWD	06J 906 026 G	3321	786BB115	
			06J 906 026 G	3456	7B1AB2AD	RC
Tiguan	CCTA	L 6 4WD	06J 906 026 H	3457	C6C89885	RC
Tiguan	CCTA	M 6 FWD	06J 906 026 F	3320	D23030F5	
			06J 906 026 F	3455	ACB16FF3	RC
Tiguan	CCTB	M 6 FWD	06J 906 026 CL	3458	8D99AAF	

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Part 2	Test Group: 9AD XV02.03UA		all		

**21.02 Production Engine Parameters**

**Parts List (cont.)**

**Automatic Transmission Control Module**

**Transmission Control Module**

CARLINE	ENGINE CODE	TRANSM. CODE / Drive	Cal-ID		CVN calibration verification no	REMARKS
			PART NUMBER	SOFTWARE LEVEL		
Passat Passat wagon Passat CC	CCTA	AQ250-6F FWD	09G 927 750 GP	1391	8A7BCE4F	

**Transmission Control Module**

CARLINE	ENGINE CODE	TRANSM. CODE / Drive	Cal-ID		CVN calibration verification no	REMARKS
			PART NUMBER	SOFTWARE LEVEL		
Tiguan	CCTA	AQ450-6F FWD	09G 927 750 KM	1394	49D5142C	
Tiguan	CCTA	AQ450-6A 4WD	09G 927 750 KM	1394	49D5142C	

**Transmission Control Module**

CARLINE	ENGINE CODE	TRANSM. CODE / Drive	Cal-ID		CVN calibration verification no	REMARKS
			PART NUMBER ass. / TCM	SOFTWARE LEVEL		
EOS	CCTA	DQ250-6F FWD	02E 300 051 Q 02E 927 770 AJ	1902	0c38	

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## 22.00 Calibration Information

Emission Component	Parameter	Calibration	Engine Code
fuel system		refer to page 22.01	
fuel pressure regulator	fuel pressure high	50 – 150 bar	
	fuel pressure low	4.5 – 6.8 bar	
EGR system		refer to page 22.02	
ignition system		refer to page 22.03	
EVAP system		refer to page 22.04	
miscellaneous			
Thermostat	starts to open	95 °C	
	fully open by	105 °C	



<b>Section 22</b>	<b>Pg. 2</b>	<b>Other Information</b>	<b>Engine Code</b>	<b>R.CH-No.:</b>	<b>Revision Date</b>
<b>Test Group</b>		<b>9AD XV02.03UA</b>	<b>all</b>		

**22.01 Calibration Information fuel system**

The motor management system controls lambda as a function of engine speed and engine load and various input signals to the ECM (please refer to sect. 16.09). The basic calibrations are related to the CAL ID and CVN of the ECM.

**22.02 Calibration Information EGR system**

not applicable

**22.03 Calibration Information ignition system**

The motor management system determines the ignition timing as a function of engine speed and engine load. The basic calibrations are related to the CAL ID and CVN of the ECM.

**22.04 Calibration Information EVAP system**

The motor management system calculates the actual purge rate as a function of engine speed, engine load, intake manifold pressure, ambient pressure and canister loading value. The basic calibrations are related to the CAL ID and CVN of the ECM.