

**Attachment C
INDIVIDUAL DATA PER QUARTER FILE**

Sequence	Data Name	Type	Length	Range or Domain	Description
1	QTR	C	2		Engine family production quarter.
2	MFR	C	4	examples: GM, NISS, BENZ See Codes for Manufacturers (Attachment D)	Name of the manufacturer.
3	ENG_FAM	C	12	example: 1XYMXV1.9DC5	12-digit name for engine family (same as EPA).
4	VEHCLASS	C	2	PC = Passenger Car T1 = LDT (0 - 3750 lbs.) T2 = LDT (3751 - 5750 lbs.) M1 = MDV (0 - 3750 lbs.) M2 = MDV (3751 - 5750 lbs.) M3 = MDV (5751 - 8500 lbs.) M4 = MDV (8501 - 10000 lbs.) M5 = MDV (10001 - 14000 lbs.)	Types of Light Duty Vehicle
5	CODETYPE	C	3	CA = California certified 49S = 49-state certified 50S = 50-state certified	Defines this engine family as certified to meet either CA, 49-state or 50-state standards
6	STANDARD	C	5	TIER0 = existing standards TIER1 = current new standards TLEV = Transition low emission vehicle LEV = Low emission vehicle ULEV = Ultra low emission vehicle LEV_II = LEV II low emissin vehicle ULEV_II = LEV II ultra low emission vehicle SULEV_II = LEV II super low emission vehicle 965T1 = AB965 Tier1 standards	Standard level this eng_fam is certified to.
7	OPTS	C	1	1 = Option (i) load canister on-board 2 = Option (ii) load slave canister 3 = Option (iii) canister loading factor (CLF) 4 = Option (iv) CLF with slave canister C = Certified to CAP-2000 regulations D= certified to 100K optional diesel standards	Column for options and subgroupings within an engine family.
8	DRIVE	C	2	2F = 2 wheel drive, front 2R = 2 wheel drive, rear 4F = 4 wheel drive, mandatory 4P = 4 wheel drive, optional	Drive type
9	DISP	N	3	0.0 TO 9.9	Engine displacement in liters
10	ENG_CODE	C	8	Mfr designated	Mfr's engine code.
11	TRANS	C	2	A3 = Automatic 3 speed A4 = Automatic 4 speed A5 = Automatic 5 speed L3 = Lockup automatic 3 speed L4 = Lockup automatic 4 speed M5 = Manual 5 speed M6 = Manual 6 speed	Transmission type
12	FUEL_INJ	C	3	TBI = Throttle-body fuel injection MFI = Multiport fuel injection SFI = Sequential multiport fuel injection CPI = Central port fuel injection CFI = Continuous fuel injection DFI = Direct fuel injection	Fuel system type
13	ETW	N	5	0 to 99999	Equivalent Test Weight in lbs.
14	DPA_STNG	N	2.2	0.00 TO 99.99	Dynamometer power obsorption setting in horsepower
15	MODEL	C	14	Mfr designated	Vehicle model
16	LVW	N	5	0 to 99999	Loaded Vehicle Weight in lbs.

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Sequence	Data Name	Type	Length	Range or Domain	Description
17	TESTFUEL	C		IND = Indolene PH2 = Phase II gasoline M85 = 85% Methanol CNG = Compressed Natural Gas LPG = Liquefied Petroleum Gas E85 = 85% Ethanol Diesel: N13 = 13 CCR 2282 N94 = 40 CFR 86.113-94	Fuel used for testing
18	ODOMETER	N	4	0 to 9999 mi.	Odometer reading at the time of testing in miles.
19	MFR_PLANT	C	10	Text	Location where the vehicle was assembled / built.
20	BLD_DATE	D	10	example: July 20, 2000 = 07/20/2000	Date the vehicle was built (in date format).
21	TEST_LOC	C	10	Text	Location where the vehicle was QA tested.
22	TESTDATE	D	10	example: December 12, 2000 = 12/12/2000	Date the vehicle was QA tested (in date format)
23	VIN	C	17	Mfr designated	Vehicle Identification Number; a unique ID # for each vehicle produced.
24	NMHC	N	1.4	0.0000 to 9.9999	NMHC/OMNMHCE (Methanol/Ethanol) emissions (in g/mi) without deterioration factor
25	NMOG	N	1.4	0.0000 to 9.9999	NMOG emissions (in g/mi) without deterioration factor
26	CO	N	2.2	00.00 to 99.99	CO emissions (in g/mi) without deterioration factor
27	NOX	N	1.3	0.000 to 9.999	NOx emissions (in g/mi) without deterioration factor
28	PM	N	1.3	0.000 to 9.999	Particulate Matter emissions (in g/mi) without deterioration factor for diesel engines
29	HCHO	N	1.4	0.0000 to 9.9999	HCHO emissions (in g/mi) without deterioration factor
30	CO2	N	3.1	000.0 to 999.9	CO2 emissions (in g/mi) without deterioration factor
31	OBD_RDY	C	1	Y = Yes N = No	Check for OBD system readiness
32	OBD_IND	C	1	1 = OBD light indicator is on 0 = OBD light indicator is off.	Check OBD light indicator
33	OBD CODE1	C	5	(refer to SAE pub. J2012)	1st OBD fault code from the OBD system.
34	OBD CODE2	C	5	(refer to SAE pub. J2012)	2nd OBD fault code from the OBD system.
35	OBD CODE3	C	5	(refer to SAE pub. J2012)	3rd OBD fault code from the OBD system.
36	OBD CODE4	C	5	(refer to SAE pub. J2012)	4th OBD fault code from the OBD system.
37	OBD CODE5	C	5	(refer to SAE pub. J2012)	5th OBD fault code from the OBD system.

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Sequence	Data Name	Type	Length	Range or Domain	Description
38	TST_STAT	C	2	if tested: (blank) = valid first test IN = Invalid test AB = Aborted test RT = Valid retest (for a vehicle failing the initial test) if not tested: NT = Not Testable NR = Not reasonably operative NS = Not safe to test DT = Would be damaged by testing	Test status Report the reason(s) for aborting, invalidating, retesting or not testing in the NOTES field of this record. Repairs should be reported in the REPAIRS field of the record containing the emissions resulting from those repairs.
39	REPAIRS	C	40	Mfr. designated	Any repairs/adjustments/corrective measures performed on the vehicle prior to testing of the vehicle. These repairs should correspond to the emissions results of this record. List specific components replaced or adjusted.
40	NOTES	C	50	Text	Any comments: Reason(s) for Aborting, Retesting, Invalidating a test. Reason(s) a vehicle was not tested. etc.
41	NMHC_50K	N	1.4	0.0000 to 9.9999	NMHC/OMNMHCE (Methanol/Ethanol) emissions (in g/mi) with 50K deterioration factor applied
42	NMOG_50K	N	1.4	0.0000 to 9.9999	NMOG emissions (in g/mi) with 50K deterioration factor applied
43	CO_50K	N	2.2	00.00 to 99.99	CO emissions (in g/mi) with 50K deterioration factor applied
44	NOX_50K	N	1.3	0.000 to 9.999	NOx emissions (in g/mi) with 50K deterioration factor applied
45	PM_50K	N	1.3	0.000 to 9.999	Particulate Matter emissions (in g/mi) with 50K deterioration factor applied for diesel engines
46	HCHO_50K	N	1.4	0.0000 to 9.9999	HCHO emissions (in g/mi) with 50K deterioration factor applied
47	NMHC100K	N	1.4	0.0000 to 9.9999	NMHC/OMNMHCE (Methanol/Ethanol) emissions (in g/mi) with 100K deterioration factor applied
48	NMOG100K	N	1.4	0.0000 to 9.9999	NMOG emissions (in g/mi) with 100K deterioration factor applied
49	CO_100K	N	2.2	00.00 to 99.99	CO emissions (in g/mi) with 100K deterioration factor applied
50	NOX_100K	N	1.3	0.000 to 9.999	NOx emissions (in g/mi) with 100K deterioration factor applied
51	PM_100K	N	1.3	0.000 to 9.999	Particulate Matter emissions (in g/mi) with 100K deterioration factor applied for diesel engines
52	HCHO100K	N	1.4	0.0000 to 9.9999	HCHO emissions (in g/mi) with 100K deterioration factor applied