

General Label Input Data Record Layout

Field Name	Transaction Type					Position	Length	Data Type	Valid Range/Entry Criteria
	R e c o r d T y p e	A d d	R e p l a c e	D e l e t e	R e p r o c e s s				
Input Record Type	G1	R	R	R	R	1-2	2	A	G1
Process Code	G1	R	R	R	R	3-3	1	A	For Add: 'A' or blank - ' For Replace: 'R' For Delete: 'D' For Reprocess: 'S'
Manufacturer Code	G1	R	R	R	R	4-7	4	I	Note: Concatenation with INDEX NUMBER must represent a unique BASIC ENGINE INDEX within a model year in the CFEIS data base. Valid MANUFACTURER CODE
Index Number	G1	R	R	R	R	9-11	3	I	001-999
Model Year	G1	R	R	R	R	13-16	4	I	1970-2100
Cubic Inch Displacement	G1	R	R			18-20	3	I	000-999
Number of Cylinders	G1	R	R			22-23	2	I	00-99
Combustion Cycle	G1	R	R			25-25	1	A	G - Otto Cycle (SI) Piston R - Otto Cycle (SI) Rotary D - Diesel Cycle (CI) 2 - Two Stroke Cycle T - Turbine H - Hybrid Electric E - Electric F - Fuel Cell A - Other
Fuel Injection	G1	R	R			27-27	1	A	N - No S - Single M - Multi-point (Default for diesels)
Number of Carburetor Venturi	G1	R	R			29-30	2	I	Note: Default is '00'. 00-99
Catalyst	G1	R	R			32-32	1	A	Note: Default is 'Y'. Y - Yes N - No

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Field Name	Transaction Type					Position	Length	Data Type	Valid Range/Entry Criteria
	R	A	R	D	R				
Feedback Fuel System	G1	R	R			34-34	1	A	<i>Note:</i> Default is 'Y'. Y - Yes N - No
Variable Displacement	G1	R	R			36-36	1	A	<i>Note:</i> Default is 'N'. Y - Yes N - No
Turbocharged	G1	R	R			38-38	1	A	<i>Note:</i> Default is 'N'. Y - Yes N - No C - Yes, with charge air cooling
Supercharged	G1	R	R			40-40	1	A	<i>Note:</i> Default is 'N'. Y - Yes N - No C - Yes, with charge air cooling
Number of Valves per Cylinder	G1	X	X			42-43	2	I	00-09
Police Vehicle, Only	G1	X	X			45-45	1	A	<i>Note:</i> Default is 'N'. Y - Yes N - No
Engine Block Descriptors	G1	R	R			47-56	10	A	<i>Note:</i> Default is 'Blank'. Text This field should be normally blank. Use this field only to provide customers with easy-to-understand differences between two otherwise identical models (with different mpg values) appearing in the Fuel Economy Guide.
FI Description	G1	X	X			58-58	1	A	<i>Note:</i> Default is 'N'. Y - Yes N - No
Unique Label	G1	X	X			60-60	1	A	<i>Note:</i> Default is 'N'. Y - Yes N - No

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	R e c o r d T y p e	A d d	R e p l a c e	D e l e t e	R e p r o c e s s				
Recalculation	G1	X	X			62-62	1	A	<i>Note:</i> Default is 'N'. Y - Yes N - No
Relabel Option (Relabel if value has increased.)	G1		X			64-64	1	A	<i>Note:</i> Default is 'N'. For recalculation only Y - Yes N - No
Release Date	G1	R	R			66-73	8	D	<i>Note:</i> Default is two weeks from original submission date. Valid calendar date. (MMDDYYYY)
New Label Indicator	G1	X	X			75-75	1	A	For label recalculations only; does this basic engine include a new label? Y - Yes N - No
Input Record Type	G2	R	R			1-2	2	A	G2
Transmission Class Link	G2	R	R			4-5	2	I	01-99 Linkage field to 'GM' and 'GF' input records.

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	R	A	R	D	R				
	ecord Type	dd	ep lace	ete	ep roces s				
Transmission Type	G2	R	R			7-8	2	A	A3 - No lockup/automatic/3 - speed A4 - No lockup/automatic/4 - speed A5 - No lockup/automatic/5 - speed A6 - No lockup/automatic/6 - speed AV - Automatic variable gear ratios B3 - Both C4 & M3 B4 - Both C5 & M4 C4 - Creeper/Manual 4 - speed C5 - Creeper/Manual 5 - speed L3 - Lockup/automatic/3 - speed L4 - Lockup/automatic/4 - speed L5 - Lockup/automatic/5 - speed L6 - Lockup/automatic/6 - speed M3 - Manual 3 - speed M4 - No creeper/Manual 4 - speed M5 - Manual 5 - speed M6 - Manual 6 - speed S2 - Semi-automatic 2 - speed S3 - Semi-automatic 3 - speed S4 - Semi-automatic 4 - speed S5 - Semi-automatic 5 - speed S6 - Semi-automatic 6 - speed
Drive System	G2	R	R			10-10	1	A	4 - 4-wheel Drive F - 2-wheel Drive, front R - 2-wheel Drive, rear
Transmission Overdrive	G2	R	R			12-12	1	I	<i>Note:</i> Default is '2'. 1 - No gear ratio < 1 2 - Top gear ratio < 1
Shift Indicator Light	G2	R	R			14-14	1	A	<i>Note:</i> Default is 'N'. Y - Yes (Manual transmission only) N - No (Described in Advisory Circular 83A, Page 4)
Engine Management System (Stop/start engine device)	G2	R	R			16-16	1	A	<i>Note:</i> Default is 'N'. Y - Yes N - No L - Yes, but with lock-out features (Described in Advisory Circular 83A, Page 4)

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Field Name	R e c o r d T y p e	Transaction Type				P o s i t i o n	L e n g t h	D a t a T y p e	Valid Range/Entry Criteria
		A d d	R e p l a c e	D e l e t e	R e p r o c e s s				
Number of Transmission Modes	G2	R	R			18-19	2	A	<i>Note:</i> Default is 'N'. V - Continuously variable, user selectable C - Computer controlled multiple gear ratios 1-9 - Number of discrete user selectable transmission modes N - Not Applicable (See multimode transmission description in Advisory Circular 83A, Page 4)
Variable Lockup Point	G2	R	R			21-21	1	A	N, blank - No variable lock-up point V - Continuously variable C - Computer controlled lock-up 1-9 - Number of discrete lock-up rpm ranges (Described in Advisory Circular 83A, Page 4)
Declutching/Freewheeling	G2	R	R			23-23	1	A	<i>Note:</i> Default is 'N'. Y - Yes N - No L - Yes, but with lock-out features (Described in Advisory Circular 83A, Page 4)
Input Record Type	GM	R	R			1-2	2	A	GM
Manufacturer Code	GM	R	R			4-7	4	I	Valid MANUFACTURER CODE
Division Code	GM	R	R			9-10	2	I	<i>Note:</i> Must be associated with the above MANUFACTURER CODE. Valid DIVISION CODE
Car Line Code	GM	R	R			12-14	3	I	Valid CAR LINE CODE
Transmission Class Link	GM	R	R			16-17	2	I	01-99 Linkage field to 'G2' and 'GF' input records.
Guzzler Exempt	GM	X	X			19-19	1	A	<i>Note:</i> Default is 'N'. blank - Not exempt N - Not exempt 1 - Unloaded GVWR > 6000 lbs 2 - Emergency Vehicle 3 - IRS Alternative Rate Schedule 4 - Small volume manufacturer who lengthens an existing vehicle.

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Field Name	Transaction Type					Position	Length	Data Type	Valid Range/Entry Criteria
	Record	Add	Replace	Delete	Reverse				
Displacement in Liters	GM	R	R			21-24	4	A	<i>Note:</i> Decimal point and one digit to the right of it are required. A number with two digits to the right of decimal point will be rejected. 0.1 - 20.0
Reserved	GM					26-26			This input field has been deleted and should not be entered.
Unrounded Unadjusted City FE	GM	M	M			28-35	8 (7,4)	R	000.0000-999.9999
Unrounded Unadjusted Hwy FE	GM	M	M			37-44	8 (7,4)	R	000.0000-999.9999
Unrounded Unadjusted Comb FE	GM	M	M			46-53	8 (7,4)	R	000.0000-999.9999
Rounded Adjusted City FE	GM	M	M			55-57	3	I	000-999
Rounded Adjusted Hwy FE	GM	M	M			59-61	3	I	000-999
Rounded Adjusted Comb FE	GM	M	M			63-65	3	I	000-999
Annual Fuel Cost	GM	M	M			67-70	4	I	<i>Note:</i> Entered value will be overwritten by a derived fuel cost based on the rounded adjusted combined fuel economy and 15,000 miles of driving per year. 0000-9999
Self Approval Date	GM	M	M			72-79	8	D	Valid calendar date. (MMDDYYYY)
Fuel Usage	GM	M	M			81-81	1	A	R - Regular Unleaded P - Premium Unleaded D - Diesel C - Compressed Natural Gas E - Ethanol (E85) M - Methanol (M85) L - LPG

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Field Name	Transaction Type					Position	Length	Data Type	Valid Range/Entry Criteria
	Record Type	Add	Replace	Delete	Reprocess				
Model Type Suppression Code	GM	X	X			83-83	1	I	2 5 - Code is for use by the Cert Team 9 - Police vehicle 9 - Model type was used in another index but required to support calculation of a new model type.
Input Record Type	GR	R	R			1-2	2	A	GR
Transmission Configuration Link	GR	R	R			4-5	2	I	01-99 Linkage field to 'GF' and 'GL' input records.
Gear Range Number	GR	R	R			7-7	1	A	1-9 - Indicates gear range number N - Indicates ratios entered are normal gear ratios (O/D not engaged) O - Indicates ratios entered are O/D gear ratios (O/D engaged) L - Low end, range of gear ratios H - High end, range of gear ratios
Gear Ratio First	GR	R	X			9-13	5 (4,3)	R	0.000-9.999 (Enter 0.0 if not applicaable)
Gear Ratio Second	GR	X	X			15-19	5 (4,3)	R	0.000-9.999
Gear Ratio Third	GR	X	X			21-25	5 (4,3)	R	0.000-9.999
Gear Ratio Fourth	GR	X	X			27-31	5 (4,3)	R	0.000-9.999
Gear Ratio Fifth	GR	X	X			33-37	5 (4,3)	R	0.000-9.999
Gear Ratio Sixth	GR	X	X			39-43	5 (4,3)	R	0.000-9.999
Lockup Override	GR	X	X			45-45	1	A	<i>Note:</i> Default is 'N'. Y - Yes N - No
Input Record Type	GL	R	R			1-2	2	A	GL

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Field Name	Record Type	Transaction Type					Position	Length	Data Type	Valid Range/Entry Criteria
		Add	Replace	Delete	Reprocess	M = Required				
Transmission Configuration Link	GL	R	R				4-5	2	I	01-99 Linkage field to 'GR' and 'GF' input records.
Lock-up Range Number	GL	R	R				7-7	1	A	1-9 - Indicates lockup range number L - Low end, range of RPM's H - High end, range of RPM's
Lock-up RPM First	GL	R	X				9-12	4	I	0000-9999 (Enter 0.0 if not applicable)
Lock-up RPM Second	GL	X	X				14-17	4	I	0000-9999
Lock-up RPM Third	GL	X	X				19-22	4	I	0000-9999
Lock-up RPM Fourth	GL	X	X				24-27	4	I	0000-9999
Lock-up RPM Fifth	GL	X	X				29-32	4	I	0000-9999
Lock-up RPM Sixth	GL	X	X				34-37	4	I	0000-9999
Input Record Type	GC	X	X				1-2	2	A	GC
Comments	GC	X	X				3-80	78	A	<i>Note:</i> Multiple comment input records permitted. 'Replace' deletes old comments and adds new comments, while 'Modify' adds additional input comments to previously stored comments if any. Text
Input Record Type	GF	R	R				1-2	2	A	GF
Manufacturer Code	GF	R	R				4-7	4	I	Valid MANUFACTURER CODE
Division Code	GF	R	R				9-10	2	I	<i>Note:</i> Must be associated with the above MAUFACTURER CODE. Valid DIVISION CODE
Car Line Code	GF	R	R				12-14	3	I	Valid CAR LINE CODE
Transmission Class Link	GF	R	R				16-17	2	I	01-99 Linkage field to 'G2' and 'GM' input records.

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Field Name	R e c o r d T y p e	Transaction Type				P o s i t i o n	L e n g t h	D a t a T y p e	Valid Range/Entry Criteria
		A d d	R e p l a c e	D e l e t e	R e p r o c e s s				
DVC (Data Vehicle Code)	GF	R	R			19-21	3	I	<i>Note:</i> A number assigned to a configuration as defined in CFR 600.002-93(a)(24). 001-499: A portion of this configuration is represented by a test vehicle. 501-999: No portion of this configuration is represented by a test vehicle.
Transmission Configuration Link	GF	R	R			23-24	2	I	01-99 Linkage field to 'GR' and 'GL' input records.
Axle Ratio	GF	R	R			26-29	4 (3,2)	R	0.00-9.99
Engine Code	GF	R	R			31-44	14	A	Valid ENGINE CODE
RLC (Road Load Code)	GF	R	R			46-47	2	I	<i>Note:</i> A number assigned to a subconfiguration as defined in CFR 600.002-93(a)(51). 01-49: Used for subconfigurations represented by a test vehicle. 51-99: Used for subconfiguration not represented by a test vehicle.
ETW	GF	R	R			49-53	5	I	Valid Equivalent Test Weight within a specified Inertia Weight Class as defined in paragraph §86-129-80 of the 40 CFR
TRLHP ₅₀ or Actual Dyno Horsepower	GF	R	R			55-58	4 (3,1)	R	00.0-99.9 2001 and earlier: Enter actual dynamometer horsepower 2002 - on: Enter total road load horsepower at 50 mph (TRLHP ₅₀). Ref.: CCD-00-04 dated 4/24/00
Altitude Code	GF	R	R			60-60	1	I	<i>Note:</i> Default is '3'. 1 - Low altitude only 2 - High altitude only 3 - All altitudes
Engine Family/ Test Group Name	GF	R	R			62-73	12	A	Valid ENGINE FAMILY/TEST GROUP NAME
Sub-Configuration Sales	GF	R	R			75-80	6	I	1-999999
Input Record Type	GT	R	R			1-2	2	A	GT

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Field Name	Transaction Type					Position	Length	Data Type	Valid Range/Entry Criteria
	R	A	R	D	R				
DVC	GT	R	R			4-6	3	I	<i>Note:</i> A number assigned to a configuration as defined in CFR 600.002-93(a)(24). 001-499: A portion of this configuration is represented by a test vehicle.
RLC	GT	R	R			8-9	2	I	<i>Note:</i> A number assigned to a subconfiguration as defined in CFR 600.002-93(a)(51). 01-49: Used for subconfigurations represented by a test vehicle.
Averaging Method	GT	X	X			11	1	A	'W' or blank - Simple Weighting $3^n_{i=1} (FET_i \times WTi)$ 'H' - Harmonic Weighting $1/3^n_{i=1} (WT_i/FET_i)$ where WT_i = Weight FET_i = MPG of test or vehicle configuration
Averaging Group Indicator	GT	X	X			13-13	1	A	<i>Note:</i> Links a group of City or Highway weighted group tests which may span multiple vehicle configurations. This is only needed when spanning multiple vehicle configurations for a group of city or highway tests. A-Z, 1-9
City Highway Indicator	GT	R	R			15-15	1	A	C - City Test H - Highway Test
Test Group Weighting	GT	X	X			17-20	4 (3,2)	R	0.01-0.99
Test Number	GT	R	R			22-28	7	I	Valid existing test number
Test Data Suppression Code	GT	X	X			30-30	1	I	9 - Test is used again as data substitution.
Vehicle Configuration Number	GT	R	R			32-33	2	I	Vehicle configuration number the test is entered against.
EOT Input Record Type	ZZ	R	R	R	R	1-2	2	A	ZZ - End of Transaction

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