IMPORTANT: See **Subject 050** for the vehicle identification numbering system for vehicles built before May 1, 2000.

Federal Motor Vehicle Safety Standard 115 specifies that all vehicles sold in the U.S. be assigned a 17-character Vehicle Identification Number (VIN). Using a combination of letters and numerals, the VIN defines the manufacturer, model, and major characteristics of the vehicle. See **Table 1** for the character positions of a typical Freightliner Custom Chassis Corporation (FCCC) VIN, 4UZAAAA211CA12345.

The VIN is stamped on a metal plate permanently attached to the vehicle, and the last six digits (designating the chassis serial number) are stamped into the metal frame.

IMPORTANT: A revised VIN-code structure will be used for all vehicles built after April 30, 2000. As a result, the build date of a vehicle must be determined before the VIN can be decoded.

Character positions 1 through 4 and 9 through 17 are nearly the same in both versions, but positions 5 through 8 have been assigned slightly different parameters.

Another new feature is that each product line has its own model list; that is, positions 5 and 6 are product-specific. For example, the code AB in positions 5 and 6 for a FCCC vehicle indicates an MB45 chassis. Code AB in the same position for a Freightliner vehicle represents an FLD112 conventional truck or trailer.

For all vehicles, a check digit (9th character) is determined by assignment of weighted values to the other 16 characters. These weighted values are processed through a series of equations designed to check validity of the VIN and to detect VIN alteration.

NOTE: Always specify the VIN when ordering parts.

	Seventeen-Character Vehicle Identification Number (VIN)							
Typical VIN	4 U Z	Α	AA	A 2	1	1	С	A 1 2 3 4 5
Character Position	1, 2, 3	4	5, 6	7, 8	9	10	11	12–17
Code Description	World Manufacturer Identification	Chassis Configuration	Model, Cab, GVWR	Engine, Brakes	Check Digit Calculation	Model Year	Build Location	Production Serial Number
Decoding Table*	Table 2	Table 3	Table 4	Table 5	_	Table 6	Table 7	_

^{*} For corresponding decoding information, see the applicable tables in this subject.

Table 1, Seventeen-Character Vehicle Identification Number (VIN)

	VIN Positions 1, 2, and 3 (World Manufacturer Identification)					
Code	Code Vehicle Manufacturer Vehicle Make Vehicle Type					
4UZ	4UZ Freightliner Custom Chassis Corporation, USA Freightliner Incomplete Vehicle					

Table 2, VIN Positions 1, 2, and 3 (World Manufacturer Identification)

VIN Position 4 (Chassis Configuration)			
Code	Chassis		
A	4 x 2 Truck		
F	6 x 2 Truck		

Table 3, VIN Position 4 (Chassis Configuration)

· · · · · · · · · · · · · · · · · · ·	VIN Positions 5 and 6 (Model, Cab, Class/GVWR)				
Code	Model	Cab	Class (GVWR)		
AA	MB45 Chassis	None	Class 4*		
AB	MB45 Chassis	None	Class 5 [†]		
AC	MB55 Chassis	None	Class 6 [‡]		
AD	MB55 Chassis	None	Class 7§		
AE	MC45 Chassis	None	Class 5		
AF	MC45 Chassis	None	Class 6		
AG	XC Chassis	None	Class 6		
AH	XC Chassis	None	Class 7		
AJ	XCS Chassis	None	Class 6		
AK	VCL Chassis	None	Class 8¶		
AM	MT35 Chassis	None	Class H**		
AN	MT45 Chassis	None	Class 4		
AP	MT45 Chassis	None	Class 5		
AR	MT55 Chassis	None	Class 6		
AS	MT55 Chassis	None	Class 7		
AT	XB Chassis	None	Class 6		
AU	XB Chassis	None	Class 7		
AV	FS65 Chassis	None	Class 5		
AW	FS65 Chassis	None	Class 6		
AX	FS65 Chassis	None	Class 7		
AY	FS65 Chassis	None	Class 8		
AZ	FB65 Chassis	None	Class 6		
A1	MBO Chassis	None	Class 7		
A2	MBO Chassis	None	Class 8		
А3	OMC Chassis	None	Class 7		
A4	OMC Chassis	None	Class 8		
A5	MT55 Chassis	None	Class 4		
A6	XCA Chassis	None	Class 7		
A7	XCA Chassis	None	Class 8		
A8	FB65 Chassis	None	Class 7		
A0	EF Front-Engine Bus Chassis	None	Class 6		
ВА	EF Front-Engine Bus Chassis	None	Class 7		
BB	EF Front-Engine Bus Chassis	None	Class 8		

	VIN Positions 5 and 6 (Model, Cab, Class/GVWR)				
Code	Model	Cab	Class (GVWR)		
ВС	ER Rear-Engine Bus Chassis	None	Class 6		
BD	ER Rear-Engine Bus Chassis		Class 7		
BE	ER Rear-Engine Bus Chassis	None	Class 8		
BF	XC Chassis	None	Class 8		
BG	MT55 Chassis	None	Class 5		
ВН	MT35 Chassis	None	Class 3 ^{††}		
BJ	MT45 Chassis	None	Class 3		
BK	FB65 Chassis	None	Class 5		
BL	MB55 Chassis	None	Class 5		
BM	MT45 Chassis	None	Class 6		
BN	B2 Bus Chassis	None	Class 5		
BP	B2 Bus Chassis	None	Class 6		
BR	B2 Bus Chassis	None	Class 7		
ВТ	B2 Bus Chassis	None	Class 8		
BU	XC Straight-Rail Rear-Engine Motor Home Chassis	None	Class 6		
BV	XC Straight-Rail Rear-Engine Motor Home Chassis	None	Class 7		
BW	XC Formed-Rail Rear-Engine Motor Home Chassis	None	Class 6		
ВХ	XC Formed-Rail Rear-Engine Motor Home Chassis	None	Class 7		
BY	XC Modular-Rail Rear-Engine Motor Home Chassis	None	Class 6		
BZ	XC Modular-Rail Rear-Engine Motor Home Chassis	None	Class 7		
B1	XC Raised-Rail Rear-Engine Motor Home Chassis	None	Class 6		
B2	XC Raised-Rail Rear-Engine Motor Home Chassis	None	Class 7		
В3	XC Raised-Rail (Lowered-Engine) Rear-Engine Motor Home Chassis	None	Class 6		
B4	XC Raised-Rail (Lowered-Engine) Rear-Engine Motor Home Chassis	None	Class 7		
B5	FBX 106 Shuttle Bus Chassis	None	Class 5		
B6	FBX 106 Shuttle Bus Chassis	None	Class 6		
B7	FBX 106 Shuttle Bus Chassis	None	Class 7		
B8	FBX 106 Shuttle Bus Chassis	None	Class 8		
В9	XB Straight-Rail Rear-Engine Shuttle Bus Chassis	None	Class 6		
В0	XB Straight-Rail Rear-Engine Shuttle Bus Chassis	None	Class 7		
CA	XB Raised-Rail Rear-Engine Shuttle Bus Chassis None Class 6		Class 6		
СВ	XB Raised-Rail Rear-Engine Shuttle Bus Chassis None		Class 7		
CC	MT45 HEV Chassis	None	Class 4		
CD	MT45 HEV Chassis	None	Class 5		
CE	XCS Straight-Rail Rear-Engine Motor Home Chassis	None	Class 8		

VIN Positions 5 and 6 (Model, Cab, Class/GVWR)					
Code	Model	Cab	Class (GVWR)		
CF	XCF Formed-Rail Rear-Engine Motor Home Chassis	None	Class 8		
CG	XCM Modular-Rail Rear-Engine Motor Home Chassis	None	Class 8		
СН	XCR Raised-Rail Rear-Engine Motor Home Chassis	None	Class 8		
CJ	XCS Straight-Rail Rear-Engine Motor Home Chassis	None	Class 7		
CK	XCF Formed-Rail Rear-Engine Motor Home Chassis	None	Class 7		
CL	MC Front-Engine Motor Home Chassis	None	Class 6		
CM	MC Front-Engine Motor Home Chassis	None	Class 7		
CN	S2 106 Bus Chassis	None	Class 5		
CP	S2 106 Bus Chassis	None	Class 6		
CR	S2 106 Bus Chassis	None	Class 7		
CS	XB Raised-Rail Rear-Engine Shuttle Bus Chassis	None	Class 8		
СТ	XCP Powerliner Raised-Rail Rear-Engine Motor Home Chassis	None	Class 8		
CU	XCL Lowered Rail Rear-Engine Motor Home Chassis	None	Class 8		
CV	XCL Lowered Rail Rear-Engine Motor Home Chassis	None	Class 7		
CW	XCM Modular-Rail Rear-Engine Motor Home Chassis	None	Class 7		
CX	MT55 Hybrid Electric Vehicle (HEV) Chassis	None	Class 5		
CY	MT55 Hybrid Electric Vehicle (HEV) Chassis	None	Class 6		
CZ	MT55 Hybrid Electric Vehicle (HEV) Chassis	None	Class 7		
C1	MT45G Front-Engine Gasoline Walk-In Van Chassis	None	Class 4		
C2	MT45G Front-Engine Gasoline Walk-In Van Chassis	None	Class 5		
C3	MT55G Front-Engine Gasoline Walk-In Van Chassis	None	Class 6		
C4	MCG Front-Engine Gasoline Motor Home Chassis	None	Class 6		
C5	MCG Front-Engine Gasoline Motor Home Chassis	None	Class 7		
C6	MC Front-Engine Hybrid Electric Vehicle (HEV) Motor Home Chassis	None	Class 6		
C7	MC Front-Engine Hybrid Electric Vehicle (HEV) Motor Home Chassis	None	Class 7		
C8	B2 106 Hybrid Electric Vehicle (HEV) Bus Chassis	None	Class 5		
C9	B2 106 Hybrid Electric Vehicle (HEV) Bus Chassis	None	Class 6		
DA	B2 106 Hybrid Electric Vehicle (HEV) Bus Chassis	None	Class 7		
DB	B2 106 Hybrid Electric Vehicle (HEV) Bus Chassis	None	Class 8		
DC	MBC Front-Engine Commercial Bus Chassis	None	Class 4		
DD	MBC Front-Engine Commercial Bus Chassis	None	Class 5		
DE	MBC Front-Engine Commercial Bus Chassis	None	Class 6		
DF	MBC Front-Engine Commercial Bus Chassis	None	Class 7		
DG	XBP Rear-Engine Commercial Bus Chassis	None	Class 8		

	VIN Positions 5 and 6 (Model, Cab, Class/GVWR)					
Code	Model	Cab	Class (GVWR)			
DH	MCL Front-Engine Motor Home Chassis	None	Class 6			
DJ	MCL Front-Engine Motor Home Chassis	None	Class 7			
DK	MCL Front-Engine Motor Home Chassis	None	Class 5			
DL	MT55 HHV Chassis (Hydraulic Hybrid Chassis)	None	Class 5			
DM	MT55 HHV Chassis (Hydraulic Hybrid Chassis)	None	Class 6			
DN	MT55 HHV Chassis (Hydraulic Hybrid Chassis)	None	Class 7			
DP	S2C 106 Conventional Cab and Chassis	Conventional	Class 5			
DR	S2C 106 Conventional Cab and Chassis	Conventional	Class 6			
DS	S2C 106 Conventional Cab and Chassis	Conventional	Class 7			
DT	S2RV 106 Conventional Cab and Chassis	Conventional	Class 5			
DU	S2RV 106 Conventional Cab and Chassis	Conventional	Class 6			
DV	S2RV 106 Conventional Cab and Chassis	Conventional	Class 7			

 $^{^{\}ast}$ Class 4 GVWR is 14,001–16,000 lb.

Table 4, VIN Positions 5 and 6 (Model, Cab, Class/GVWR)

	VIN Positions 7 and 8 (Engine, Brakes)					
Code	Engine	Fuel	Displacement: Liter	Configuration	Brakes	
AA	Caterpillar 3176	Diesel	10.3	I–6	Air	
AB	Caterpillar 3176	Diesel	10.3	I–6	Hydraulic	
AC	Caterpillar 3176	Diesel	10.3	I–6	Air/Hydraulic	
AK	Caterpillar 3126/CFE	Diesel	7.2	I–6	Air	
AL	Caterpillar 3126/CFE	Diesel	7.2	I–6	Hydraulic	
AM	Caterpillar 3126/CFE	Diesel	7.2	I–6	Air/Hydraulic	
AN	Caterpillar C10	Diesel	10.3	I–6	Air	
AP	Caterpillar C10	Diesel	10.3	I–6	Hydraulic	
AR	Caterpillar C10	Diesel	10.3	I–6	Air/Hydraulic	
A2	Cummins L10	Diesel	10.8	I–6	Air	
A3	Cummins L10	Diesel	10.8	I–6	Hydraulic	
A4	Cummins L10	Diesel	10.8	I–6	Air/Hydraulic	

[†] Class 5 GVWR is 16,001-19,500 lb.

[‡] Class 6 GVWR is 19,501-26,000 lb.

[§] Class 7 GVWR is 26,001-33,000 lb.

[¶] Class 8 GVWR is 33,001 lb. and over.

^{**} Class H GVWR is 9001-10,000 lb.

^{††} Class 3 GVWR is 10,001-14,000 lb.

	VIN Positions 7 and 8 (Engine, Brakes)					
Code	Engine	Fuel	Displacement: Liter	Configuration	Brakes	
A5	Cummins M11	Diesel	10.8	I–6	Air	
A6	Cummins M11	Diesel	10.8	I–6	Hydraulic	
A7	Cummins M11	Diesel	10.8	I–6	Air/Hydraulic	
A8	Cummins ISM	Diesel	10.8	I–6	Air	
A9	Cummins ISM	Diesel	10.8	I–6	Hydraulic	
A0	Cummins ISM	Diesel	10.8	I–6	Air/Hydraulic	
BK	Cummins C8.3	Diesel	8.3	I–6	Air	
BL	Cummins C8.3	Diesel	8.3	I–6	Hydraulic	
BM	Cummins C8.3	Diesel	8.3	I–6	Air/Hydraulic	
BN	Cummins B5.9	Diesel	5.9	I–6	Air	
BP	Cummins B5.9	Diesel	5.9	I–6	Hydraulic	
BR	Cummins B5.9	Diesel	5.9	I–6	Air/Hydraulic	
BS	Cummins ISC	Diesel	8.3	I–6	Air	
BT	Cummins ISC	Diesel	8.3	I–6	Hydraulic	
BU	Cummins ISC	Diesel	8.3	I–6	Air/Hydraulic	
BV	Cummins ISB	Diesel	5.9	I–6	Air	
BW	Cummins ISB	Diesel	5.9	I–6	Hydraulic	
ВХ	Cummins ISB	Diesel	5.9	I–6	Air/Hydraulic	
BY	Cummins B5.9	Propane	5.9	I–6	Air	
BZ	Cummins B5.9	Propane	5.9	I–6	Hydraulic	
B1	Cummins B5.9	Propane	5.9	I–6	Air/Hydraulic	
B2	Cummins B5.9	Natural Gas	5.9	I–6	Air	
В3	Cummins B5.9	Natural Gas	5.9	I–6	Hydraulic	
B4	Cummins B5.9	Natural Gas	5.9	I–6	Air/Hydraulic	
B5	Cummins B8.3	Natural Gas	8.3	I–6	Air	
B6	Cummins B8.3	Natural Gas	8.3	I–6	Hydraulic	
B7	Cummins B8.3	Natural Gas	8.3	I–6	Air/Hydraulic	
B8	Detroit Series 50	Diesel	8.5	I–4	Air	
B9	Detroit Series 50	Diesel	8.5	I–4	Hydraulic	
В0	Detroit Series 50	Diesel	8.5	I–4	Air/Hydraulic	
CN	Mercedes-Benz MBE900	Diesel	4.3	I–4	Air	
CP	Mercedes-Benz MBE900	Diesel	4.3	I–4	Hydraulic	
CR	Mercedes-Benz MBE900	Diesel	4.3	I–4	Air/Hydraulic	

	VIN Positions 7 and 8 (Engine, Brakes)					
Code	Engine	Fuel	Displacement: Liter	Configuration	Brakes	
CS	Mercedes-Benz MBE900	Diesel	6.4	I–6	Air	
CT	Mercedes-Benz MBE900	Diesel	6.4	I–6	Hydraulic	
CU	Mercedes-Benz MBE900	Diesel	6.4	I–6	Air/Hydraulic	
CV	Mercedes-Benz MBE4000	Diesel	12.0	I–6	Air	
CW	Mercedes-Benz MBE4000	Diesel	12.0	I–6	Hydraulic	
CX	Mercedes-Benz MBE4000	Diesel	12.0	I–6	Air/Hydraulic	
CY	Cummins ISL	Diesel	8.9	I–6	Air	
CZ	Cummins ISL	Diesel	8.9	I–6	Hydraulic	
C1	Cummins ISL	Diesel	8.9	I–6	Air/Hydraulic	
C2	Cummins B3.9	Diesel	3.9	I–4	Air	
C3	Cummins B3.9	Diesel	3.9	I–4	Hydraulic	
C4	Cummins B3.9	Diesel	3.9	I–4	Air/Hydraulic	
C5	Cummins ISB 3.9	Diesel	3.9	I–4	Air	
C6	Cummins ISB 3.9	Diesel	3.9	I–4	Hydraulic	
C7	Cummins ISB 3.9	Diesel	3.9	I–4	Air/Hydraulic	
C8	John Deere 6081H	CNG	8.1	I–6	Air	
C9	John Deere 6081H	CNG	8.1	I–6	Hydraulic	
DC	CAT C7	Diesel	7.2	I–6	Air	
DD	CAT C7	Diesel	7.2	I–6	Hydraulic	
DG	Mercedes-Benz MBE900	Diesel	4.8	I–4	Air	
DH	Mercedes-Benz MBE900	Diesel	4.8	I–4	Hydraulic	
DJ	Mercedes-Benz MBE900	Diesel	7.2	I–6	Air	
DK	Mercedes-Benz MBE900	Diesel	7.2	I–6	Hydraulic	
DL	CAT C11	Diesel	11.1	I–6	Air	
DM	CAT C11	Diesel	11.1	I–6	Hydraulic	
DT	Cummins ISB	Diesel	6.7	I–6	Air	
DU	Cummins ISB	Diesel	6.7	I–6	Hydraulic	
DV	GM 307 HP	Gasoline	6.0	V-8	Hydraulic	
00	No Engine	_	_	_	_	

Table 5, VIN Positions 7 and 8 (Engine, Brakes)

VIN Position 10 (Model Year)			
Code Model Year			
Υ	2000		

VIN Position 10 (Model Year)			
Code Model Year			
1	2001		

VIN Position 10 (Model Year)	
Code	Model Year
2	2002
3	2003
4	2004
5	2005
6	2006
7	2007
8	2008
9	2009
А	2010
В	2011
С	2012
D	2013

Table 6, VIN Position 10 (Model Year)

VIN Position 11 (Build Location)	
Code	Plant of Manufacture
С	Gaffney, South Carolina
D	Santiago, Tianguistenco, Mexico
Н	Mt. Holly, North Carolina

Table 7, VIN Position 11 (Build Location)