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# **Not In Traffic Surveillance (NITS) Nontraffic Crash Injuries and Fatalities 2008-2011 Analytical User's Manual**

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# **NiTS Analytical User's Manual**

## **2008 – 2011**

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**U. S. Department of Transportation**  
National Highway Traffic Safety Administration  
National Center for Statistics and Analysis  
Washington, D.C. 20590

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## Introduction

One of the primary objectives of the National Highway Traffic Safety Administration (NHTSA) is to reduce the staggering human toll and property damage that motor vehicle traffic crashes impose on our society. Data regarding fatalities and injuries that occur in nontraffic crashes, which can occur on private roads, driveways, and parking lots have not routinely been collected by NHTSA. The Not-in-Traffic Surveillance (NiTS) system is a virtual data collection system designed to meet this need by providing counts and details regarding fatalities and injuries that occur in nontraffic crashes.

This NiTS Analytical User's Manual provides an overview of the variables that were collected and coded for nontraffic crash cases. Several types of crashes were excluded from the final nontraffic crash data set:

- Cases in which the fatality was attributed to natural causes or a medical condition
- Cases where the crash takes place on a racetrack while racing
- Cases in which the fatality occurred more than 30 days after the crash
- Cases in which the fatality or injury was due to deliberate intent such as homicide, suicide, and legal intervention or was due to a cataclysmic event
- Cases in which there was no fatality or injury
- Cases in which there was no motor vehicle in transport
  - In transport means in motion or stationary on a roadway such as a vehicle stopped at a stop sign.
  - Not in transport means off the roadway and not in motion such as a parked vehicle.
  - Examples excluded because no motor vehicle in transport
    - A vehicle falls off a jack stand and injures a person; or
    - A bicyclist strikes the open door of a parked motor vehicle
- Cases in which the only vehicles involved were not designed primarily for road use
  - Vehicle classifications were based on definitions used by the NASS-GES 2011 Coding Manual.
  - Common examples of these types of excluded vehicles are ATVs, dirt bikes, golf carts, snowmobiles, go-carts, forklifts, motorized wheel chairs, farm equipment, and construction equipment (other than trucks).

The NiTS program accepted potential crashes only from FARS analysts and from sampled NASS-GES police jurisdictions. The primary source documents from NASS-GES were limited to those completed by law enforcement. Cases originating from FARS could be from any notification source, including Internet articles and Death Certificates. If the FARS information is NOT from a police crash or incident report, but from newspaper articles, emails, or other documents then certain minimal information must be present:

- date of crash
- driver age, sex, and injury
- if nonmotorist involved: age, sex, injury
- motor vehicle body type or make/model
- crash description including location

## NiTS Operations

The NiTS is directed by the National Center for Statistics and Analysis. The data are obtained by data collectors in 60 geographic sites across the United States. These data collectors make weekly, biweekly, or monthly visits to approximately 400 police agencies within the 60 sites. During the visit the data collectors compile a list all of qualifying crashes reported since their last visit and then select a sample of these crashes. The collectors send copies of the Police Crash Reports (PARs) for the selected crashes to a contractor for coding. Trained personnel interpret and code data directly from the PARs onto an electronic file. To protect individual privacy, no personal information such as names, addresses, specific crash location, etc., is coded.

During data coding, the data are checked for validity and consistency. After the data file is created, quality checks are performed on the data. When these are completed, the electronic data are made available to governments, researchers, motor vehicle manufacturers, insurance companies, and others.

**National Estimates**

NHTSA is aware that NiTS does not have a complete count of all nontraffic crash fatalities. State laws and regulations vary considerably regarding when reports are required for nontraffic crash fatalities, the types of report used to document the crashes, and whether the report is sent from the local jurisdiction to the State. Most States require some type of report, but the report is generally kept at the local police jurisdiction and is not sent to the State. Since the FARS analysts work at the State level, there may be reports of nontraffic crash fatalities of which they are not aware. NHTSA did not receive any or few reports from some States and cannot determine if it did not receive any reports because there were none or because the State did not have nontraffic fatalities. Similarly, NHTSA is aware that not all of the NASS-GES sample police jurisdictions were able to provide nontraffic police reports.

NHTSA derived adjustment factors to account for the incompleteness of the NiTS system. NHTSA estimated the expected number of nontraffic fatalities and injuries using other data sources. The adjustment factors inflate the number of cases received to a national estimate of nontraffic injuries and fatalities. The adjustment factors were determined separately for fatalities and injuries and for occupants and nonoccupants.

For fatalities, NHTSA used the mortality multiple cause-of-death public use data file from the National Center for Health Statistics' National Vital Statistics System. The adjustment factor for nontraffic crash fatalities accounts for the difference between the number of fatalities expected, which is based upon all crash fatalities in the mortality data and traffic fatalities reported in FARS, and the number of fatalities received.

For nontraffic injuries, NHTSA turned to its State Data System and used information from five States that collect information on both nontraffic and traffic injury crashes. The information from these States was then applied to estimates of injuries in traffic crashes from NASS-GES to determine an expected number of nontraffic crash injuries. The weights based upon the NASS-GES sample design were then inflated to produce adjustment factors that reflect the expected number of nontraffic injuries. Due to the necessary use of outside sources in developing the adjustment factors, standard errors as an estimate of sampling error are not validly developed from the adjustment factors and are therefore not recommended.

## NiTS SAS Data Files

NiTS data are made available to the public in Statistical Analysis System (SAS) data sets. The NiTS Coding and Editing Manual contains a detailed description of each SAS variable including coding instructions and attribute definitions.

Note: In this manual the word vehicle means in-transport motor vehicle unless otherwise noted.

The SAS data files and years of availability are:

- **Accident** - (2008-current): This data file contains information about crash characteristics and environmental conditions at the time of the crash. There is one record per crash.
- **Vehicle** - (2008-current): This data file contains information describing the in-transport motor vehicles and the drivers of in-transport motor vehicles who are involved in the crash: There is one record per in-transport motor vehicle. Parked and working vehicle information is in the Parkwork data file.
- **Person** - (2008-current): This data file contains information describing all persons involved in the crash including motorists (i.e., drivers and passengers of in-transport motor vehicles) and non-motorists (e.g., pedestrians and pedalcyclists). It provides information such as age, sex, and vehicle occupant restraint use and injury severity. There is one record per person.
- **Event** - (2008-2009): This data file contains information for each harmful event which occurred in the crash, including the vehicles or objects involved and the general area of damage. It details the chronological sequence of events resulting from an unstabilized situation that constitutes a motor vehicle traffic crash. There is one record per event. This data file was replaced with the Cevent data file in 2010.
- **Cevent** - (2010-current): This data file contains information for all of the qualifying events (both harmful and non-harmful) which occurred in the crash. This is a modification to the Event data file to include non-harmful events. This data file details the chronological sequence of events resulting from an unstabilized situation that constitutes a motor vehicle traffic crash. There is one record per event. For each in-transport motor vehicle, the event number of its most harmful event is stored in the Vehicle data file.
- **Vevent** - (2010-current): This data file contains the sequence of events for each in-transport motor vehicle involved in the crash. Included are the event numbers, non-harmful events (e.g., ran off road-right, crossed center line), objects struck and areas of impact. There is one record for each harmful and non-harmful event in which the vehicle is involved.
- **Vsoe** - (2010-current): This data file contains the sequence of events for each motor vehicle involved in the crash. Included are the event numbers, non-harmful events (e.g., ran off road-right, crossed center line), objects struck and areas of impact. There is one record for each harmful and non-harmful event in which the vehicle is involved. It is a simplified Vevent data file.
- **Vision** - (2008-current): This data file contains information about circumstances which may have obscured the driver's vision. There is at least one record per in-transport motor vehicle. Each obstruction is a separate record.

- **Distract** - (2008-current): This data file contains information about driver distractions. There is at least one record per in-transport motor vehicle. Each distraction is a separate record.
- **Parked** – (2008-2009): This data file contains information about parked and working vehicles which were involved in NiTS crashes. A parked vehicle is a motor vehicle which is stopped off the roadway, i.e., parked off the roadway. The definition of working vehicles has changed over the study years. In 2008 working vehicles were defined as transport devices being used as equipment which would be classified under ANSI D16.1-1996 as motor vehicles, if not being used as equipment. In 2009 the definition changed to include only vehicles involved in trafficway maintenance, construction, or utility activities. Also, vehicles performing private maintenance, construction, or utility activities were excluded. Data users are strongly advised to consult the annual NiTS Coding and Editing Manuals for a detailed discussion. There is one record per parked/working vehicle.
- **Parkwork** – (2010-current): This data file was called the Parked data file from 2008-2010. It contains information about parked and working vehicles which were involved in NiT crashes. A parked vehicle is a motor vehicle which is stopped off the roadway, i.e., parked off the roadway. A working vehicle is a motor vehicle involved in trafficway maintenance, construction, or utility activities. It excludes vehicles performing private maintenance, construction, or utility activities. Data users are strongly advised to consult the annual NiTS Coding and Editing Manuals for a detailed discussion. There is one record per parked/working vehicle.
- **Parkevnt** – (2008-2009): This data file contains information about events in which parked/working vehicles are involved. The structure of this data file is similar to the Event data file (2008-2009) and the Cevent data file (2010), with one record per event involving a parked/working vehicle. However, there are several differences between Event/Cevent and Parkevnt. In Event/Cevent, struck parked/working vehicles are not individually identified. Instead, parked vehicles are coded as "parked vehicle or other motor vehicle not in-transport" (2008-2009) or "parked vehicle" (2010) and working motor vehicles are coded as non-fixed objects (2008) or "parked vehicle or other motor vehicle not in-transport" (2009) or as "working motor vehicle" (2010). In Parkevnt each parked/working vehicle is identified by parked vehicle number, event number, and case number. Merging Event/Cevent and Parkevnt data files by CASENUM and EVENTNUM produces a list of events in which parked/working vehicles were involved and identifies the specific vehicles involved (both in-transport and parked/working).



**NiTS Data Element List**

The following lists all SAS data elements with their SAS data file locations.

## DATA ELEMENT LIST

	Case Number	CASENUM	14
	Primary Sampling Unit (PSU)	PSU	15
C34	Police Jurisdiction (PJ)	PJ	16
	Case Adjustment (weight)	ADJUST	17
V3/D3/PC3/P3	Vehicle Number	VEH_NO	18
P4/NM3	Person Number	PER_NO	19
C17	Event Number	EVENTNUM	20
C17	Vehicle Event Number	VEVENTNUM	20

***The ACCIDENT Data File 21***

C3	Number of Persons Not in Motor Vehicles	PEDS	22
C3A	Number of Persons Not in Motor Vehicles in Transport (MVIT)	NON_INVL	22
C4	Number of Total Motor Vehicles Involved	VE_TOTAL	23
C4A	Number of Motor Vehicles in Transport (MVIT) Involved	VEH_INVL	23
C4B	Number of Parked/Working Vehicles Involved	PVH_INVL	24
C5	Number of Persons in Motor Vehicles	PERSONS	Error! Bookmark not defined.
C5A	Number of Persons in Motor Vehicles in Transport (MVIT)	PERMVIT	24
C8A	Month of Crash	MONTH	25
C8C	Day of Week	DAY_WEEK	26
C8D	Year of Crash	YEAR	26
C9A	Hour of Crash	HOUR	27
C9B	Minute of Crash	MINUTE	28
C18	First Harmful Event	HARM_EV	29
C19	Manner of Collision	MAN_COLL	32
C22	Relation to Trafficway	REL_ROAD	33
	Location of First Harmful Event	LOC_FHE	
C26	School Bus Related	SCH_BUS	34
C90	Maximum Injury Severity in Crash	MAX_SEV	35
C91	Number Known Injured in Crash	NUM_INJ	36

***The VEHICLE Data File 37***

V4	Number of Occupants	NUMOCCS	38
V5	Unit Type	UNITTYPE	39
V6	Hit and Run	HIT_RUN	40
V9	Vehicle Make	MAKE	41

V10	Vehicle Model	MODEL	44
V11	Body Type	BODY_TYP	45
V12	Vehicle Model Year	MOD_YEAR	50
V13	Vehicle Identification Number (VIN)	VIN	51
V28A	Initial Point of Impact	IMPACT1	52
V28B	Most Damaged Area	IMPACT2	54
V29	Extent of Damage	DEFORMED	55
V30	Vehicle Removal	TOWED	56
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V90	Maximum Injury Severity in Vehicle	MAX_VSEV	60
V91	Number Injured in Vehicle	NUM_INJV	61
D4	Driver Presence	DR_PRES	62
PC17	Pre-Event Movement (Prior To Recognition of Critical Event)	LASTMOVE	63
PC20	Attempted Avoidance Maneuver	P_CRASH3	64
PC21	Pre-Impact Stability	PCRASH4	65
	Number of Occupants Coded (discontinued)	OCC_INVL	66
	Most Harmful Event Number (discontinued)	MHENUM	67
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	Driver's Vision Obscured By (discontinued)	VIS OBSC	70
	Driver Distracted By (discontinued)	DR_DSTRD	72

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NM10	Non-Motorist Location	LOCATION	80

***The CEVENT Data File 83***

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C17	Area of Impact (This Vehicle)	AOI1	85
V31	Sequence of Events	SOE	86
C17	Vehicle Number (Other Vehicle)	VNUMBER2	89
C17	Area of Impact (Other Vehicle)	AOI2	90
	Vehicle's Action (discontinued)	E_ACTION	91

***The VEVENT Data File 92***

C17	Vehicle Number (This Vehicle)	VNUMBER1	93
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C17	Area of Impact (This Vehicle)	AOI1	94
V31	Sequence of Events	SOE	95
C17	Vehicle Number (Other Vehicle)	VNUMBER2	97
C17	Area of Impact (Other Vehicle)	AOI2	98

***The VSOE Data File*      99**

C17	Area of Impact Associated with the Event	AOI	100
V31	Sequence of Events	SOE	101

***The VISION Data File*      103**

PC14	Driver's Vision Obscured By	MVISOBSC	104
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***The DISTRACT Data File*      105**

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***The PARKWORK Data File*      107**

C4A	Number of Vehicles Involved	PVE_FORMS	108
C8A	Month of Crash	PMONTH	109
C9A	Hour of Crash	PHOUR	110
C9B	Minute of Crash	PMINUTE	110
C18	First Harmful Event	PHARM_EV	113
C19	Manner of Collision	PMAN_COLL	113
V4	Number of Occupants	PNUMOCCS	114
V5	Unit Type	PTYPE	115
V6	Hit and Run	PHIT_RUN	116
V9	Vehicle Make	PMAKE	117
V10	Vehicle Model	PMODEL	120
V11	Body Type	PBODYTYP	121
V12	Vehicle Model Year	PMODYEAR	124
V13	Vehicle Identification Number (VIN)	PVIN	125
V28A	Initial Point of Impact	PIMPACT1	126
V28B	Area of Impact- Most Damaged	PIMPACT2	127
V29	Extent of Damage	PVEH_SEV	128
V30	Vehicle Removal	PTOWED	129
V32	Most Harmful Event	PM_HARM	130

***The PARKEVNT Data File*      132**

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Parked/Working Vehicle Event Number (discontinued)	EVENTNUM	134
Parked/Working Vehicle Point of Impact (discontinued)	PGAD	135

<b>Data Element Definitions and Codes</b>
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The “Data Element Definitions and Codes” section of this report provides detailed information on the data elements, including SAS formats. If the SAS data element has an associated format, the format name appears in brackets following the SAS data element name. Format names are given for the last three years. Format names for earlier years can be obtained from a SAS PROC CONTENTS for the year(s) of interest.

All data elements are numeric except the following:

- VIN (V13) Character all years
- Driver Zip Code (D6) Character all years

There are 7 accident level data elements that are available on all of the SAS data files. They are:

### **Case Number**

---

**Definition:** This data element is a unique number assigned to each crash. It appears on each of the data files and is used to merge the data files.

**Additional Information:**

**SAS Name:** CASENUM

**Attribute Codes**

***2008-Later***

xx      PAR Identification Number

### **Primary Sampling Unit (PSU)**

---

**Definition:** A PSU is either a geographic location or group of locations

**Additional Information:**

**SAS Name:** PSU

**Attribute Codes**

*2008-Later*

1-102 Primary Sampling Unit Number

**C34    Police Jurisdiction (PJ)**

---

**Definition:** This data element identifies the number of the police jurisdiction from which the PAR was originally sampled.

**Additional Information:**

**SAS Name:** PJ

**Attribute Codes**

*2008-Later*

1-120      Police Jurisdiction Number



### Adjust

---

**Definition:** This data element is used to produce national estimates from the data.

**Additional Information:** See the section *National Estimates* for more information.

**SAS Name:** ADJUST

The above data elements as well as VEH\_NO are found on all vehicle-level data files:

---

**V3/D3/PC3/P3      Vehicle Number**

---

**Definition:** This data element identifies the number assigned to each vehicle in the case. This data element appears on each vehicle level data file and is used in conjunction with the CASENUM data element to merge information from vehicle level data files.

**Additional Information:** Starting in 2010, all vehicles (motor vehicles in-transport as well as parked/working vehicles) are sequentially ordered starting with 1. Prior to 2010, all motor vehicles in-transport were sequentially ordered starting with 1 and all parked/working motor vehicles were sequentially ordered separately starting with 1.

**SAS Name:**    **VEHNO**            **2008-2009**  
                  **VEH\_NO**          **2010-Later**

**Attribute Codes**

<b>2008- 2010</b>	<b>2011- Later</b>	
0	0	Non-Motorist
1-100	1-999	Assigned Vehicle Number

The above data elements as well as PER\_NO are found on all person-level data files:

### **P4/NM3    Person Number**

---

**Definition:** This data element identifies the number assigned to each person in the case (i.e., each occupant, pedestrian, or non-motorists involved in the crash). This data element appears on each person level data file and is used in conjunction with the CASENUM data element (and sometimes the VEH\_NO data element) to merge information from person level data files.

**Additional Information:** This data element is computer assigned. Each occupant of the vehicle is numbered and each non-occupant is numbered; in the case of a non-occupant the vehicle number is zero. The numbers for occupants are consecutive, for each vehicle, beginning with 1. Numbers are never skipped. Drivers do not have to be coded 1. Non-occupants are identified by vehicle number 0 and are numbered consecutively starting with 1 for each non-motorist. To get drivers see data element PER\_TYP, under Person Type.

**SAS Name:**    **PERNO**            **2008-2009**  
                  **PER\_NO**          **2010-Later**

#### **Attribute Codes**

##### **2008-Later**

1-999    Assigned Person Number

The Accident-level data elements above and EVENTNUM are found on the CEVENT, VEVENT and VSOE data files:

### **C17    Event Number**

---

**Definition:** Number assigned to each harmful event in a crash, in chronological order.

**Additional Information:** Prior to 2010 this data element was called "Crash Event Sequence Number"

**SAS Name:** **EVENTNUM**

#### **Attribute Codes**

<i>2008- 2009</i>	<i>2010- Later</i>	
1-100	1-999	Event Number

The crash-level data elements above, VEH\_NO and VEVENTNUM are found on the VEVENT and VSOE data files:

### **C17    Vehicle Event Number**

---

**Definition:** This data element identifies the number assigned to each event for this vehicle. The vehicle's event number shows the chronological sequence of the qualifying harmful and non-harmful events involving a particular vehicle. Qualifying events are those which involve an in-transport motor vehicle or an object set in motion by an in-transport motor vehicle.

**Additional Information:**

**SAS Name:** **VEVENTNUM**

#### **Attribute Codes**

<i>2010-Later</i>	
1-999	Vehicle Event Number

### **The ACCIDENT Data File**

The Accident data file contains the data elements CASENUM, PSU, STRATUM, REGION, ADJUST, AND PJ. CASENUM is the case identifier. It also contains:

**C3      Number of Persons Not in Motor Vehicles**

---

**Definition:** This data element records the number of Person Forms (Not a Motor Vehicle Occupant) that are applicable to this case.

**Additional Information:** Persons with a Person Type "03 - Occupant of a Motor Vehicle Not In-transport" are *not* included in this data element but are counted in C3A below.

**SAS Name:** PEDS

**Attribute Codes****2010-Later**

0-99      Number of Persons Not in Motor Vehicles

**C3A      Number of Persons Not in Motor Vehicles in Transport (MVIT)**

---

**Definition:** This data element records the number of non-motorists involved in the crash. A non-motorist is defined as a pedestrian, a cyclist, *an occupant of a motor vehicle not in-transport*, a person riding a horse, an occupant of an animal drawn conveyance, person associated with non-motorist conveyance (e.g., baby carriage, skate board, wheelchair), or an other non-motorist (e.g., person outside a trafficway, person in a house).

**Additional Information:**

<b>SAS Name:</b> NON_INVL	<b>2008-2009</b>
PERNOTMVIT	<b>2010-Later</b>

**Attribute Codes****2008-Later**

0-98      Number of Persons Not in Motor Vehicles in Transport

**C4      Number of Total Motor Vehicles Involved**

---

**Definition:** This data element records the number of contact motor vehicles that the officer reported on the Police Accident Report (PAR) as a unit involved in the crash.

**Additional Information:** This counts all of the vehicles in the crash. This includes the vehicles in-transport which are documented in the Vehicle data file and the vehicles not in-transport which are documented in the Parkwork data file. This data element only appears in the Accident data file.

**SAS Name:** **VE\_TOTAL**

**Attribute Codes*****2010-Later***

001-999    Number of Vehicles in Crash

**C4A    Number of Motor Vehicles in Transport (MVIT) Involved**

---

**Definition:** This data element counts the number of vehicles in-transport involved in the crash. Legally parked vehicles are not included.

**Additional Information:** This data element also appears in the Vehicle and Person data files and in the Parkwork data file as PVE\_FORMS.

**SAS Name:** **VEH\_INVL**    **2008-2009**  
**VE\_FORMS**    **2010-Later**

**Attribute Codes**

***2008-2009***    ***2010-Later***

1-100    1-999    Number of Vehicles

**C4B    Number of Parked/Working Vehicles Involved**

---

**Definition:** This data element is derived from the number of records in the Parked Vehicle data file for the crash.

**Additional Information:** The Parked data file contains records for Parked and Working Vehicles.

From 2008 to 2009 working vehicles were defined as transport devices being used as equipment which would be classified under ANSI D16.1-1996 as motor vehicles, if not being used as equipment. In 2009 the definition changed to include only vehicles involved in trafficway maintenance, construction, or utility activities. Also, vehicles performing private maintenance, construction, or utility activities were excluded.

**SAS Name:** **PVH\_INVL**

**Attribute Codes**

<i>2008- 2009</i>	<i>2010- Later</i>
-----------------------	------------------------

0-30	0-999	Number of Parked/Working Vehicles in the Crash
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**C5A    Number of Persons in Motor Vehicles in Transport (MVIT)**

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**Definition:** This data element is derived from the number of records in the Person data file where the person is a driver, passenger or unknown occupant type of a motor vehicle in-transport.

**Additional Information:**

**SAS Name:** **PERMVIT**

**Attribute Codes**

<i>2010-Later</i>
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0-999	Number of Persons in Motor Vehicles In-Transport
-------	--



**C8A    Month of Crash**

---

**Definition:** This data element identifies the month in which the crash occurred.

**Additional Information:** This data element also appears in the Vehicle and Person data files and in the Parkwork data file as PMONTH.

**SAS Name:** MONTH

**Attribute Codes*****2008-Later***

- |    |           |
|----|-----------|
| 1  | January   |
| 2  | February  |
| 3  | March     |
| 4  | April     |
| 5  | May       |
| 6  | June      |
| 7  | July      |
| 8  | August    |
| 9  | September |
| 10 | October   |
| 11 | November  |
| 12 | December  |

**C8C Day of Week**

---

**Definition:** This data element identifies the day of the week on which the crash occurred.

**Additional Information:** This data element is derived from the SAS Weekday function. The SAS Weekday function returns the day of the week from a date.

**SAS Name:** **WEEKDAY** 2008  
**DAY\_WEEK** 2009-Present

**Attribute Codes****2008-Later**

- |   |           |
|---|-----------|
| 1 | Sunday    |
| 2 | Monday    |
| 3 | Tuesday   |
| 4 | Wednesday |
| 5 | Thursday  |
| 6 | Friday    |
| 7 | Saturday  |
| 9 | Unknown   |

**C8D Year of Crash**

---

**Definition:** This data element identifies the year in which the crash occurred.

**SAS Name:** **YEAR**

**Attribute Codes****2008-  
Later**

**xxxx** *Year of the Crash*

**C9**      **Crash Time**

---

**C9A**    **Hour of Crash**

---

**Definition:** This data element identifies the hour at which the crash occurred.

**Additional Information:** Military time is used. Noon is coded as "12."

In 2008 midnight was coded as HOUR=24 and MINUTE=0. Starting in 2009 midnight is coded as HOUR=0 and MINUTE=0. For all years, hour is coded 0 for one minute after midnight to fifty-nine minutes after midnight.

This data element also appears in the Vehicle and Person data files and in the Parkwork data file as PHOUR.

**SAS Name:** HOUR

**Attribute Codes**

<b>2008</b>	<b>2009-Later</b>	
0-24	0-23	Hour
99	99	Unknown

**C9B Minute of Crash**

---

**Definition:** This data element identifies the minutes after the hour at which the crash occurred.

**Additional Information:** This data element also appears in the Vehicle and Person data files and in the Parkwork data file as PMINUTE.

**SAS Name:** MINUTE

**Attribute Codes*****2008-Later***

0-59	Minute
99	Unknown

**C18 First Harmful Event**

**Definition:** This data element is defined as the first injury or damage producing event of the crash.

**Additional Information:** This data element also appears in the Vehicle and Person data files and in the Parkwork data file as PHARM\_EV.

**SAS Name:** **EVENT1**      **2008-2009**  
**HARM\_EV**      **2010-Later**

**Attribute Codes**

<i>2008</i>	<i>2009</i>	<i>2010-Later</i>	
<i>NONCOLLISION</i>			
1	1	1	Rollover/Overturn
2	2	2	Fire/Explosion
3	3	3	Immersion
4	4	4	Gas Inhalation
5	5	--	Jackknife
--	--	51	Jackknife (Harmful to This Vehicle)
6	6	--	Noncollision Injury (Injured In Vehicle Or Fell From Vehicle)
7	7	44	Pavement Surface Irregularity (Ruts, Potholes, Grates, etc.)
8	8	7	Other Noncollision
9	9	--	Noncollision-No Details
10	10	16	Thrown or Falling Object
--	--	6	Injured in Vehicle (Non-Collision)
--	--	72	Cargo/Equipment Loss or Shift (Harmful to This Vehicle)
--	--	5	Fell/Jumped from Vehicle
<i>COLLISION WITH OBJECT NOT FIXED</i>			
21	21	8	Pedestrian
22	--	--	Cycle or Cyclist (Pedalcyclist or Pedalcycle)
--	22	9	Pedalcyclist
23	23	--	Railway Train
--	--	10	Railway Vehicle
24	24	--	Animal
--	--	11	Live Animal
--	--	49	Ridden Animal or Animal Drawn Conveyance
25	25	--	Motor Vehicle in Transport
26	26	--	Parked Motor Vehicle (or Other M.V. Not in Transport)
27	27	--	Other Type Non-Motorist
--	--	15	Non-Motorist on Personal Conveyance
47	--	--	Vehicle Occupant

**C18 First Harmful Event (continued)****Attribute Codes**

<b>2008</b>	<b>2009</b>	<b>2010- Later</b>	
28	28	18	Other Object Not Fixed
29	29	--	Object Not Fixed-No Details
--	--	14	Parked Motor Vehicle
--	--	45	Working Motor Vehicle
<b>COLLISION WITH FIXED OBJECT</b>			
31	31	58	Ground
32	32	19	Building
33	33	20	Impact Attenuator/Crash Cushion
34	34	--	Bridge Structure (Bridge Pier/Abutment/Parapet End/Rail)
35	35	--	Guardrail
36	36	--	Concrete Traffic Barrier or Other Longitudinal Barrier Type
--	--	25	Concrete Traffic Barrier
37	37	--	Post, Pole or Support (Sign Post, Utility Post)
38	38	--	Culvert or Ditch
39	39	33	Curb
40	40	35	Embankment
41	41	38	Fence
42	42	39	Wall
43	43	40	Fire Hydrant
44	44	41	Shrubbery
45	45	--	Tree
--	--	42	Tree (Standing Only)
46	46	17	Boulder
58	58	43	Other Fixed Object
59	59	--	Fixed Object, No Details
--	--	50	Bridge Overhead Structure
--	--	21	Bridge Pier or Support
--	--	23	Bridge Rail (Includes Parapet)
--	--	24	Guardrail Face
--	--	52	Guardrail End
--	--	57	Cable Barrier
--	--	26	Other Traffic Barrier
--	--	59	Traffic Sign Support
--	--	46	Traffic Signal Support
--	--	30	Utility Pole/Light Support
--	--	31	Other Post, Other Pole or Other Supports
--	--	32	Culvert
--	--	34	Ditch
--	--	48	Snow Bank
--	--	53	Mail Box

**C18 First Harmful Event (continued)**

---

**Attribute Codes**

				<b>2010- 2008 2009 Later</b>	
					<i>COLLISION WITH MOTOR VEHICLE IN TRANSPORT</i>
--	--	--	54		Motor Vehicle In-Transport Strikes or is Struck by Cargo, Persons or Objects Set-in-Motion from/by Another Motor Vehicle In-Transport
--	--	--	55		Motor Vehicle in Motion Outside the Trafficway
					<i>NOT REPORTED AND UNKNOWN</i>
99	99	99			Unknown

**C19 Manner of Collision**

---

**Definition:** This data element identifies the orientation of two motor vehicles in-transport when they are involved in the First Harmful Event of a collision crash. If the First Harmful Event is not a collision between two motor vehicles in-transport it is classified as such.

**Additional Information:** This data element also appears in the Vehicle and Person data files and in the Parkwork data file as PMAN\_COLL.

**SAS Name:** **MAN\_COL** 2008-2009  
**MAN\_COLL** 2010-Later

**Attribute Codes**

<b>2008- 2009</b>	<b>2010- Later</b>	
0	0	Not Collision with Motor Vehicle in Transport
1	--	Rear-End
--	1	Front-to-Rear
2	--	Head-On
--	2	Front-to-Front
3	10	Rear-to-Rear
4	6	Angle
5	7	Sideswipe, Same Direction
6	8	Sideswipe, Opposite Direction
--	9	Rear-to-Side
--	11	Other
9	99	Unknown
--	98	Not Reported



**C22 Location of First Harmful Event (Relation to Trafficway)**

**Definition:** This data element identifies the attribute which best describes the location of the first harmful event.

**Additional Information:** Prior to 2009, this data element was called Relation to Roadway.

**SAS Name:** REL\_RWY 2008  
REL\_ROAD 2009  
LOC\_FHE 2010-LATER

**Attribute Codes**

2008 2009	2010- 2011	
11	01	Residential Driveway
12	02	Residential Garage
14	03	Residential Parking Lot
19	04	Other Residential Area
25	05	Commercial Driveway
15	06	Commercial Parking Lot
20	07	Other Commercial Area
13	08	Parking Garage Structure (residential or commercial)
16	10	Parking Lot (incl. all parking lots of unknown type)
17	11	Other Private Road (to incl. alleys that are not trafficways)
21	12	Other Developed Area
22	13	Undeveloped Area
--	14	Other structure (not parking garage structure)
18	15	Railway
29	16	Unknown Driveway Type
--	98	Not Reported
11	01	Residential driveway
12	02	Residential garage
13	08	Parking garage
14	03	Residential parking lot
15	06	Commercial parking lot
16	10	Other parking lot (incl. all parking lots of unknown type)
17	11	Other private road (to incl. alleys that are not traffways)
18	15	Railway
19	04	Other residential area
20	07	Other commercial area
21	12	Other developed area
22	13	Undeveloped area
25	05	Commercial driveway
26	16	Unknown driveway type
99	99	Unknown

**C26 School Bus Related**

---

**Definition:** This data element indicates whether a school bus, or motor vehicle functioning as a school bus, was involved in the crash.

**Additional Information:** The number of school bus related crashes may not equal the number of crashes with school buses involved. For example, if a vehicle goes around a stopped school bus and hits a pedestrian, the school bus usually will not be coded, but the crash is school bus related.

This data element also appears on the Person data file starting in 2011.

**SAS Name:** **SCHL\_BUS** 2008  
**SCH\_BUS** 2009-Later

**Attribute Codes**

2008- 2009	2010- Later	
0	0	No
1	1	Yes
--	8	Not Reported

## C90 Maximum Injury Severity in Crash

**Definition:** This data element indicates the most severe injury of all persons involved in the crash, and is derived from the injury severity data element in the Person data file.

**Additional Information:** The following order of severity has been used since 2008.

- 4-Fatal
- 3- Incapacitating
- 2-Non- incapacitating
- 1-Possible Injury
- 5-Injured, Unknown Severity
- 0-No Injury
- 6-Died Prior
- 9-Unknown if Injured
- 8-No Person Involved in the Crash

See *Appendix F: Rules for Derived Data Elements* for an expanded explanation of this data element and how it is derived.

**SAS Name:** MAX\_SEV

### Attribute Codes

2008- 2009	2010- Later	
0	0	No Injury
1	1	Possible Injury
2	2	Non-incapacitating
3	3	Incapacitating
4	4	Fatal
5	5	Injured, Unknown Injury Severity
6	6	Died Prior
8	8	No Person Involved in the Crash
9	--	Unknown if Injured
--	9	Unknown if Injured/Not Reported

**C91     Number Known Injured in Crash**

---

**Definition:** This data element is derived by counting all the persons with an injury severity of (1, 2, 3, 4, 5, or 9) in a crash.

**Additional Information:** See *Appendix F: Rules for Derived Data Elements* for an expanded explanation of this data element and how it is derived.

**SAS Name:** NUM\_INJ

**Attribute Codes****2008-Later**

- 0     No Person Injured/Property Damage Only Crash
- x     Number of Known Injured
- 98    No Person Involved in the Crash
- 99    All Persons in Crash are Unknown If Injured.

### **The VEHICLE Data File**

The Vehicle data file includes Vehicle as well as Driver data. It contains the data elements CASENUM, PSU, ADJUST, PJ, and VEH\_NO. CASENUM and VEH\_NO are the unique identifiers. The data file also contains:

**V4      Number of Occupants**

---

**Definition:** This data element records the number of occupants in each vehicle.

**Additional Information:** This data element also appears in the Parkwork data file as PNUMOCCS.

**SAS Name:** NUMOCCS

**Attribute Codes**

<b>2008</b>	<b>2009- Later</b>	
0	0	None
1-998	1-95	Number of Occupants Involved
--	96	Ninety-six or More
--	97	Not Reported ( <i>2010 Only</i> )
999	99	Unknown

**V5      Unit Type**

---

**Definition:** This data element identifies the type of unit that applies to this motor vehicle at the time it became an involved vehicle in the crash and was reported as a unit on the Police Accident Report (PAR).

**Additional Information:** This data element also appears in the Parkwork data file as PTYPE.

**SAS Name:** **UNITTYPE**

**Attribute Codes****2010-Later**

- 1    Motor Vehicle in Transport (*Outside the Trafficway*)
- 3    Motor Vehicle Not in Transport Outside the Trafficway
- 4    Working Motor Vehicle (*Highway Construction, Maintenance, Utility Only*)

**V6      Hit and Run**

---

**Definition:** Hit and run is coded when a motor vehicle in-transport, or its driver, departs from the scene; vehicles not in-transport are excluded. It does not matter whether the hit-and-run vehicle was striking or struck.

**Additional Information:** This data element also appears in the Parkwork data file as PHIT\_RUN.

**SAS Name:** HIT\_RUN

**Attribute Codes**

<b>2008- 2009</b>	<b>2010- Later</b>	
0	0	No
1	1	Yes
--	8	Not Reported
9	9	Unknown



---

**V9      Vehicle Make**

---

**Definition:** This data element identifies the make (manufacturer) of this vehicle.

**Additional Information:** See *Appendix A: Vehicle Make/Model Designation* for more detailed information.

This data element also appears in the Person data file and in the Parkwork data file as PMAKE.

**SAS Name:** MAKE

**Attribute Codes**

**2008-Later**

- 1 American Motors
- 2 Jeep/Kaiser-Jeep/Willys-Jeep
- 3 AM General
- 6 Chrysler
- 7 Dodge
- 8 Imperial
- 9 Plymouth
- 10 Eagle
- 12 Ford
- 13 Lincoln
- 14 Mercury
- 18 Buick/Opel
- 19 Cadillac
- 20 Chevrolet
- 21 Oldsmobile
- 22 Pontiac
- 23 GMC
- 24 Saturn
- 25 Grumman
- 29 Other Domestic Manufacturers
- 30 Volkswagen
- 31 Alfa Romeo
- 32 Audi
- 33 Austin/Austin Healey
- 34 BMW
- 35 Datsun/Nissan
- 36 Fiat
- 37 Honda
- 38 Isuzu
- 39 Jaguar
- 40 Lancia
- 41 Mazda
- 42 Mercedes-Benz
- 43 MG
- 44 Peugeot
- 45 Porsche

---

**V9      Vehicle Make    (continued)**

---

**Attribute Codes****2008-Later**

46	Renault
47	Saab
48	Subaru
49	Toyota
50	Triumph
51	Volvo
52	Mitsubishi
53	Suzuki
54	Acura
55	Hyundai
56	Merkur
57	Yugo
58	Infiniti
59	Lexus
60	Daihatsu
61	Sterling
62	Land Rover
63	Kia
64	Daewoo
65	Mini (2002-2007 Only)
65	Smart (2008-Later)
66	Mahindra (Since 2011)
69	Other Import
70	BSA
71	Ducati
72	Harley-Davidson
73	Kawasaki
74	Moto-Guzzi
75	Norton
76	Yamaha
78	Other Make Moped
79	Other Make Motored Cycle
80	Brockway
81	Diamond Rio/Rio
82	Freightliner/White,
83	FWD
84	International Harvester/Navistar
85	Kenworth
86	Mack
87	Peterbilt
88	Iveco/Magirus
89	White/Autocar, White/GMC
90	Bluebird
91	Eagle Coach
92	Gillig

**V9      Vehicle Make    (*continued*)**

---

**Attribute Codes*****2008-Later***

93	MCI
94	Thomas Built
97	Not Reported
98	Other Make
99	Unknown Make

**V10    Vehicle Model**

---

**Definition:** This data element identifies the model of this vehicle within a given make.

**Additional Information:** This data element also appears in the Parkwork data file as PMODEL.

**SAS Name:** MODEL

**Attribute Codes*****2008-Later***

See *Appendix A: Vehicle Make/Model Designation* for make and model codes.

## V11    **Body Type**

---

**Definition:** This data element identifies a classification of this vehicle based on its general body configuration, size, shape, doors, etc.

**Additional Information:** Changes to this data element were made in:

- 2010: Attribute 98 (Not Reported) was added.

This data element also appears in the Person data file and in the Parkwork data file as PBODYTYP.

**SAS Name:** **BODY\_TYP**

**Attribute Codes**

---

**V11    Body Type    (continued)**

---

**Attribute Codes**

**2008- 2010-**  
**2009    Later** (Exceptions indicated by “ \* “)

**AUTOMOBILES**

1	1	Convertible ( <i>Excludes Sun-Roof, T-Bar</i> )
2	2	2-Door Sedan, Hardtop, Coupe
3	3	3-Door/2-Door Hatchback
4	4	4-Door Sedan, Hardtop
5	5	5-Door/4-Door Hatchback
6	6	Station Wagon ( <i>Excluding Van And Truck Based</i> )
7	7	Hatchback, Number Of Doors Unknown
17	17	3-Door Coupe ( <i>*Added In 1999</i> )
8	--	Other Automobile Type
--	8	Sedan/Hardtop, Number of Doors Unknown
9	--	Unknown Automobile Type
--	9	Other or Unknown Automobile Type

**V11 Body Type (continued)****Attribute Codes****2008- 2010-****2009 Later** (Exceptions indicated by " \* ")**AUTOMOBILE DERIVATIVES**

10	10	Auto Based Pickup ( <i>Includes El Camino, Caballero, Ranchero, SSR, G8-ST, Baha, Brat, And Rabbit Pickup</i> )
11	11	Auto Based Panel ( <i>Cargo Station Wagon, Auto-Based Ambulance/Hearse</i> )
12	12	Large Limousine ( <i>More Than Four Side Doors Or Stretched Chassis</i> )
13	13	Three Wheel Automobile Or Automobile Derivative

**UTILITY VEHICLES**

14	14	Compact Utility ( <i>ANSI D-16 Utility Vehicle Categories "Small" and "Midsize"</i> )
15	15	Large Utility ( <i>ANSI D-16 Utility Vehicle Categories "Full Size" and "Large"</i> )
16	16	Utility Station Wagon
19	19	Utility Vehicle, Unknown Body Type

**VAN-BASED LIGHT TRUCKS (< 4,536 KG GVWR)**

20	20	Minivan
21	21	Large Van – Includes Van-Based Buses
22	22	Step Van Or Walk-In Van ( $\leq 4,536$ Kg GVWR)
23	--	Van-Based Motor-Home
24	--	Van-Based School Bus ( <i>*Added In 1993</i> )
25	--	Van-Based Other Bus ( <i>*Added In 1993</i> )
28	28	Other Van Type
29	29	Unknown Van Type

**LIGHT CONVENTIONAL TRUCKS (PICKUP STYLE CAB,  $\leq 4,536$  KG GVWR)**

30	30	Compact Pickup ( <i>S-10, LUV, Ram 50, Rampage, Courier, Ranger, S-5, Pup, Mazda Pickup, Mitsubishi Truck, Datsun/Nissan Pickup, Arrow Pickup, Scamp, Toyota Pickup, VW Pickup, D50, Colt P/U, T-10, S-15, T-15, Ram 100, Dakota, Sonoma</i> )
31	31	Standard Pickup ( <i>C10-C35, Jeep P/U, Comanche, Ram P/U, K10-K35, D100-D350, W100-350, F100-F350, R100-500, R10-R35, V10-35, Silverado, Sierra, T100</i> )
32	32	Pickup With Slide-In Camper
33	33	Convertible Pickup
39	39	Unknown ( <i>Pickup Style</i> ) Light Conventional Truck

**OTHER LIGHT TRUCKS ( $\leq 4,536$  KG GVWR)**

40	40	Cab Chassis Based ( <i>Included Rescue Vehicle, Light Stake, Dump, And Tow Truck</i> )
41	41	Truck Based Panel
45	45	Other Light Conventional Truck Type
48	--	Unknown Other Light Truck Type ( <i>Utility, Van, Pickup, Or Other Light Truck</i> )
--	48	Unknown Light Truck Type ( <i>Not A Pickup</i> )
49	49	Unknown Light Vehicle Type ( <i>Automobile, Utility, Van, Or Light Truck</i> )

**V11 Body Type (continued)****Attribute Codes****2008- 2010-****2009 Later** (Exceptions indicated by " \* ")*BUSES (EXCLUDES VAN BASED BUSES WITH A GVWR < = 10,000 LBS.)*

50	50	School Bus ( <i>Designed To Carry Students, Not Cross Country Or Transit</i> )
--	51	Cross Country/Intercity Bus ( <i>Motor Coach</i> )
--	52	Transit Bus ( <i>City Bus</i> )
--	55	Van-Based Bus GVWR > 10,000 lbs. ( <i>*Added In 2011</i> )
58	58	Other Bus Type ( <i>e.g., Transit, Intercity, Bus Based Motor Home</i> )
59	59	Unknown Bus Type

*MEDIUM/HEAVY TRUCKS (>4,536 KG GVWR)*

60	60	Step Van
--	61	Single-Unit Straight Truck ( <i>10,000 lbs&lt;GVWR&lt; or =19,500 lbs</i> ) ( <i>2010 Only</i> )
--	61	Single-Unit Straight Truck or Cab-Chassis ( <i>10,000 lbs&lt;GVWR&lt; or =19,500 lbs</i> ) ( <i>Since 2011</i> )
--	62	Single-Unit Straight Truck ( <i>19,500 lbs&lt;GVWR&lt; or =26,000 lbs</i> ) ( <i>2010 Only</i> )
--	62	Single-Unit Straight Truck or Cab-Chassis ( <i>19,500 lbs&lt;GVWR&lt; or =26,000 lbs</i> ) ( <i>Since 2011</i> )
--	63	Single-Unit Straight Truck ( <i>GVWR&gt;26,000 lbs</i> ) ( <i>2010 Only</i> )
--	63	Single-Unit Straight Truck or Cab-Chassis ( <i>GVWR&gt;26,000 lbs</i> ) ( <i>Since 2011</i> )
64	64	Single Unit Straight Truck ( <i>1992-2010</i> )
--	64	Single Unit Straight Truck or Cab-Chassis ( <i>GVWR unknown</i> ) ( <i>Since 2011</i> )
66	66	Truck-Tractor ( <i>Cab Only, Or With Any Number Of Trailing Units; Any Weight</i> )
--	67	Medium/Heavy Pickup ( <i>GVWR &gt; 10,000 lbs, Since 2001</i> )
--	68	Single-Unit Straight Truck ( <i>GVWR unknown</i> )
--	71	Unknown if Single-Unit or Combination-Unit Medium Truck ( <i>10,000 lbs &lt; GVWR &lt; 26,000 lbs</i> )
--	72	Unknown if Single-Unit or Combination-Unit Heavy Truck ( <i>GVWR&gt;26,000 lbs</i> )
78	78	Unknown Medium/Heavy Truck Type
79	79	Unknown Truck Type ( <i>Light/Medium/Heavy</i> )

*MOTOR HOMES*

42	42	Light Truck Based Motor Home ( <i>Chassis Mounted</i> )
65	65	Medium/Heavy Truck-Based Motor Home
--	73	Camper or Motor Home, Unknown Truck Type

*MOTORED CYCLES, MOPEDS, ALL-TERRAIN VEHICLES*

80	80	Motorcycle
81	81	Moped ( <i>Motorized Bicycle</i> )
82	82	Three Wheeled Motorcycle Or Moped
--	83	Off-Road Motorcycle ( <i>2-Wheel</i> )
88	88	Other Motored Cycle Type ( <i>Minibike, Motor Scooter, Pocket Motorcycles, Pocket Bikes</i> )
89	89	Unknown Motored Cycle Type
90	90	ATV ( <i>All-Terrain Vehicle; Includes 3 or 4 Wheels</i> )



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**V11    Body Type    (continued)**

---

**Attribute Codes****2008-    2010-****2009    Later** (Exceptions indicated by “ \* “)*OTHER VEHICLES*

91	91	Snowmobile
92	92	Farm Equipment Other Than Trucks
93	93	Construction Equipment Other Than Trucks <i>(Includes Graders)</i>
--	94	Low Speed Vehicle (LSV)/Neighborhood Electric Vehicle (NEV) <i>(*Added In 2011)</i>
97	97	Other Vehicle Type <i>(Includes Go-Cart, Fork-Lift, City Street Sweeper, Dune/Swamp Buggy, Golf Cart)</i>
--	98	Not Reported
99	99	Unknown Body Type

**V12    Vehicle Model Year**

---

**Definition:** This data element identifies the manufacturer's model year of this vehicle.

**Additional Information:** This data element also appears in the Person data file and in the Parkwork data file as PMODYEAR (PMODEL\_YR prior to 2011).

**SAS Name:**    **MODEL\_YR**    **2008-2009**  
                  **MOD\_YEAR**    **2010-Later**

**Attribute Codes**

<b>2008- 2009</b>	<b>2010- Later</b>	
--	--	Model Year 1940 and Earlier
xxxx	xxxx	Actual Model Year
--	9998	Not Reported
9999	9999	Unknown

**V13    Vehicle Identification Number (VIN)**

**Definition:** This data element records the vehicle identification number assigned by the vehicle manufacturer. The VIN contains information on the vehicle such as: manufacturer, model year, model, body type, restraint type, etc.

**Additional Information:** If a character of the VIN is missing or undecipherable, that character is blank. In 2008 the first 11 characters of the VIN are used; from 2009 onward the first 12 are used.

This data element also appears in the Parkwork data file as PVIN.

**SAS Name:** VIN

**Attribute Codes**

**2008** (*character data type, length 11*)

**2009-Later** (*character data type, length 12*)

<b>2008</b>	<b>2009</b>	<b>2010- Later</b>	
00000000000	000000000000	000000000000	No VIN Required
xxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxx	First 12 Characters of the VIN
--	--	888888888888	Not Reported
99999999999	999999999999	999999999999	Unknown

---

**V28 Area of Impact- Initial/Most Damaged**

---

**V28A Initial Point of Impact**

---

**Definition:** This data element identifies the first impact point that produced property damage or personal injury (regardless of FIRST or MOST HARMFUL EVENT).

**Additional Information:** This data element was added to the Vehicle data file in 1990.

This data element also appears in the Person data file and in the Parkwork data file as PIMPACT1 (PIMPACT prior to 2010).

**SAS Name:** **IMPACT** 2008-2009  
**IMPACT1** 2010-Later

**Attribute Codes****2008-  
2009**

- No Damage/Non-Collision
- 0 Non-Collision
- 1 Front
- 2 Right Side
- 3 Left Side
- 4 Back
- 5 Top
- 6 Undercarriage
- Corner
- 11 Front Right Corner
- 12 Front Left Corner
- 13 Back Right Corner
- 14 Back Left Corner
- 15 Object Set in Motion
- 99 Point of Impact Unknown

**V28A Initial Point of Impact (continued)**

---

**Attribute Codes****2010-  
Later**

0	Non-Collision
1-12	Clock points
13	Top
14	Undercarriage
18	Set-in-Motion (Not a Clock Point)
61	Left
62	Left-Front Half
63	Left-Back Half
81	Right
82	Right-Front Half
83	Right-Back Half
98	Not Reported
99	Unknown

**V28B Most Damaged Area**

---

**Definition:** This data element identifies the area on this vehicle that was most damaged during an event it underwent in the crash.

**Additional Information:** The striking vehicle, not the vehicle struck, determines the underide/override condition. After the crash, in the case of an override or underide one vehicle is over the other. If the striking vehicle is over the other, then the crash is an override. If the striking vehicle is under the other, the crash is an underide.

This data element also appears in the Person data file and in the Parkwork data file as PIMPACT2.

**SAS Name:** **IMPACT2**

**Attribute Codes****2010-  
Later**

0	Non-Collision
1-12	Clock points
13	Top
14	Undercarriage
18	Set-in-Motion (Not a Clock Point)
61	Left
62	Left-Front Half
63	Left-Back Half
81	Right
82	Right-Front Half
83	Right-Back Half
98	Not Reported
99	Unknown

---

**V29    Extent of Damage**

---

**Definition:** This data element indicates the amount of damage sustained by the vehicle in this crash as indicated in the case materials based on an operational damage scale.

**Additional Information:** Prior to 2009 this data element was called Damage Severity.

This data element also appears in the Parkwork data file as PVEH\_SEV.

**SAS Name:**    **VEH\_SEV**    **2008**  
                  **DEFORMED**    **2009-Later**

**Attribute Codes**

-			
2008	2009	2010-	
		Later	
0	0	0	No Damage
1	2	2	Minor Damage
2	--	--	Functional (Moderate)
--	4	4	Functional Damage
3	--	--	Disabling (Severe)
--	6	6	Disabling Damage
--	--	8	Not Reported
9	9	9	Unknown

**V30 Vehicle Removal**

---

**Definition:** This data element describes the mode by which the vehicle left the scene of the crash.

**Additional Information:** Prior to 2009 only the power unit of an articulated combination was considered, i.e. if only the trailing unit was towed then TOWED=Driven. Starting in 2009 the disposal status of the trailing unit is also considered. Prior to 2009 the data element name was *Manner of Leaving Scene*.

This data element also appears in the Parkwork data file as PTOWED.

**SAS Name:** TOWED

**Attribute Codes**

<b>2008</b>	<b>2009</b>	<b>2010- Later</b>	
1	1	1	Driven Away
--	--	--	Towed Away
--	--	--	Towed Due to Damage
2	2	2	Towed Due to Disabling Damage
--	--	--	Towed Not Due to Damage
3	3	3	Towed Not Due to Disabling Damage
--	--	--	Abandoned
4	4	4	Abandoned/Left at Scene
--	--	8	Not Reported
9	9	9	Unknown



**V32 Most Harmful Event**

**Definition:** This data element identifies the event that resulted in the most severe injury or, if no injury, the greatest property damage involving this motor vehicle.

**Additional Information:** This data element also appears in the Parkwork data file as PM\_HARM.

**SAS Name:** **V\_EVENT** 2008-2009  
**M\_HARM** 2010-Later

**Attribute Codes****Attribute Codes**

2008	2009	2010-Later	
<i>NONCOLLISION</i>			
1	1	1	Rollover/Overturn
2	2	2	Fire/Explosion
3	3	3	Immersion
4	4	4	Gas Inhalation
5	5	--	Jackknife
--	--	51	Jackknife (Harmful to This Vehicle)
6	6	--	Noncollision Injury (Injured In Vehicle Or Fell From Vehicle)
7	7	44	Pavement Surface Irregularity (Ruts, Potholes, Grates, etc.)
8	8	7	Other Noncollision
9	9	--	Noncollision-No Details
10	10	16	Thrown or Falling Object
--	--	6	Injured in Vehicle (Non-Collision)
--	--	72	Cargo/Equipment Loss or Shift (Harmful to This Vehicle)
--	--	5	Fell/Jumped from Vehicle
<i>COLLISION WITH OBJECT NOT FIXED</i>			
21	21	8	Pedestrian
22	--	--	Cycle or Cyclist (Pedalcyclist or Pedalcycle)
--	22	9	Pedalcyclist
23	23	--	Railway Train
--	--	10	Railway Vehicle
24	24	--	Animal
--	--	11	Live Animal
--	--	49	Ridden Animal or Animal Drawn Conveyance
25	25	--	Motor Vehicle in Transport
26	26	--	Parked Motor Vehicle (or Other M.V. Not in Transport)
27	27	--	Other Type Non-Motorist
--	--	15	Non-Motorist on Personal Conveyance
47	--	--	Vehicle Occupant

**C18 First Harmful Event (continued)****Attribute Codes**

<b>2008</b>	<b>2009</b>	<b>2010- Later</b>	
28	28	18	Other Object Not Fixed
29	29	--	Object Not Fixed-No Details
--	--	14	Parked Motor Vehicle
--	--	45	Working Motor Vehicle
<b>COLLISION WITH FIXED OBJECT</b>			
31	31	58	Ground
32	32	19	Building
33	33	20	Impact Attenuator/Crash Cushion
34	34	--	Bridge Structure (Bridge Pier/Abutment/Parapet End/Rail)
35	35	--	Guardrail
36	36	--	Concrete Traffic Barrier or Other Longitudinal Barrier Type
--	--	25	Concrete Traffic Barrier
37	37	--	Post, Pole or Support (Sign Post, Utility Post)
38	38	--	Culvert or Ditch
39	39	33	Curb
40	40	35	Embankment
41	41	38	Fence
42	42	39	Wall
43	43	40	Fire Hydrant
44	44	41	Shrubbery
45	45	--	Tree
--	--	42	Tree (Standing Only)
46	46	17	Boulder
58	58	43	Other Fixed Object
59	59	--	Fixed Object, No Details
--	--	50	Bridge Overhead Structure
--	--	21	Bridge Pier or Support
--	--	23	Bridge Rail (Includes Parapet)
--	--	24	Guardrail Face
--	--	52	Guardrail End
--	--	57	Cable Barrier
--	--	26	Other Traffic Barrier
--	--	59	Traffic Sign Support
--	--	46	Traffic Signal Support
--	--	30	Utility Pole/Light Support
--	--	31	Other Post, Other Pole or Other Supports
--	--	32	Culvert
--	--	34	Ditch
--	--	48	Snow Bank
--	--	53	Mail Box

**C18 First Harmful Event (continued)**

---

**Attribute Codes**

				<b>2010- Later</b>	
<b>2008</b>	<b>2009</b>				
<i>COLLISION WITH MOTOR VEHICLE IN TRANSPORT</i>					
--	--	--	12	Motor Vehicle In-Transport	
--	--	--	54	Motor Vehicle In-Transport Strikes or is Struck by Cargo, Persons or Objects Set-in-Motion from/by Another Motor Vehicle In-Transport	
--	--	--	55	Motor Vehicle in Motion Outside the Trafficway	
<i>NOT REPORTED AND UNKNOWN</i>					
99	99	99	99	Unknown	

**V90    Maximum Injury Severity in Vehicle**

---

**Definition:** This data element indicates the single most severe injury level reported for any occupant in this vehicle. This data element is derived by comparing the injury severity for each occupant record in this vehicle. The following order of severity codes has been used since 2008.

- 4-Fatal
- 3- Incapacitating
- 2-Non- incapacitating
- 1-Possible Injury
- 5-Injured, Unknown Severity
- 0-No Injury
- 6-Died Prior
- 9-Unknown if Injured
- 8-No Person in the Vehicle

**Additional Information:** See *Appendix F: Rules for Derived Data Elements* for an expanded explanation of this data element and how it is derived.

**SAS Name:** **MAX\_VSEV**

**Attribute Codes**

<b>2008- 2009</b>	<b>2010- Later</b>	
0	0	No Injury
1	1	Possible Injury
2	2	Non-incapacitating
3	3	Incapacitating
4	4	Fatal
5	5	Injured, Unknown Injury Severity
6	6	Died Prior
8	8	No Person in Vehicle
9	--	Unknown
--	9	Unknown if Injured/Not Reported

**V91    Number Injured in Vehicle**

---

**Definition:** This data element is derived by counting all the persons with Injury Severity (P9) of (1, 2, 3, 4, 5, or 9) in a vehicle. This count includes fatally injured occupants.

**Additional Information:** See *Appendix F: Rules for Derived Data Elements* for an expanded explanation of this data element and how it is derived.

**SAS Name:** NUM\_INJV

**Attribute Codes****2008-Later**

- |      |   |
|------|---|
| 0    | No Person Injured in Vehicle                      |
| 1-97 | Actual Number                                     |
| 98   | No Person in the Vehicle                          |
| 99   | All Persons in the Vehicle are Unknown if Injured |

**D4     Driver Presence**

---

**Definition:** This data element indicates whether a driver was present for motor vehicles in-transport.

**Additional Information:**

**SAS Name:** DR\_PRES

**Attribute Codes**

**2008**

- 0    Unattended Vehicle (*Driverless, Or No Driver Involved*)
- 1    Driver Operated Vehicle
- 2    Hit And Run
- 9    Unknown Driver Presence

**2009-Later**

- 0    No Driver Present / Not Applicable
- 1    Yes
- 9    Unknown

---

### Last Movement

---

**Definition:** This element identifies the attribute that best describes this vehicle's activity prior to the driver's realization of an impending danger or just prior to impact if the driver took no action or had no time to attempt any evasive maneuvers.

**SAS Name:** LASTMOVE

#### Attribute Codes

##### 2008-Later

00	No Driver Present
01	Going Straight
02	Decelerating
03	Accelerating
04	Starting
05	Stopped
06	Passing Or Overtaking Another Vehicle
07	Disabled Or "Parked"
08	Leaving A Parking Position With A Forward Motion
09	Entering A Parking Position With A Forward Motion
10	Leaving A Parking Position With A Rearward Motion
11	Entering A Parking Position With A Rearward Motion
12	Turning Right
13	Turning Left
14	Making A U-Turn
15	Backing Up (Other Than For Parking Position)
98	Other (Specify:)
99	Unknown

**PC20    Attempted Avoidance Maneuver**

---

**Definition:** Records the attribute which best describes this vehicle's activity prior to the driver's realization of an impending critical event or just prior to impact if the driver took no action or had no time to attempt to any evasive maneuvers.

Prior to 2010 this data element was called "Corrective Action Attempted".

**SAS Name:** **P\_CRASH3**

**Attribute Codes**

2008-

Later

0	No Driver Present
1	No Avoidance Maneuver
2	Braking (No Lockup)
3	Braking (Lockup)
4	Braking (Lockup Unknown)
5	Releasing Brakes
6	Steering Left
7	Steering Right
8	Braking And Steering Left
9	Braking And Steering Right
10	Accelerated
11	Accelerating And Steering Left
12	Accelerating And Steering Right
98	Other Actions
99	Unknown



**PC21 Pre-Impact Stability**

---

**Definition:** Assesses the stability of the vehicle during the period immediately prior to this vehicle's initial involvement in the crash sequence.

Prior to 2010 this data element was called "Precrash Vehicle Control".

**SAS Name:** **PCRASH4**

**Attribute Codes****2008-  
Later**

- |   |   |
|---|---|
| 0 | No Driver Present                                       |
| 1 | Tracking  |
| 2 | Skidding Longitudinally – Rotation Less Than 30 Degrees |
| 3 | Skidding Laterally – Clockwise Rotation                 |
| 4 | Skidding Laterally – Counterclockwise Rotation          |
| 7 | Other Vehicle Loss-of-Control                           |
| 9 | Precrash Stability Unknown                              |

**Discontinued VEHICLE Data Elements****Number of Occupants Coded (discontinued)**

---

**Definition:** The number of occupants coded for this vehicle.

This data element also appeared in the Parkwork data file as POCCINVL.

**SAS Name:** OCC\_INVL

**Attribute Codes**

**2008-  
2009**

0	None
1-95	Number of Occupants Involved

**Most Harmful Event Number (discontinued)**

---

**Definition:** Indicates the number of the event that caused the most severe property damage or injury for the vehicle.

**Additional Information:** This data element may be used to identify the specific event in the Event data file.

**SAS Name:** MHENUM

**Attribute Codes**

**2008-2009**

1-xx Event Number

**Vehicle Role (discontinued)**

---

**Definition:** Indicates vehicle role in single or multi-vehicle crashes.

**Additional Information:** This data element was discontinued in 2010.

**SAS Name:** **VEH\_ROLE**

**Attribute Codes*****2008-2009***

- 0 Non-Collision
- 1 Striking
- 2 Struck
- 3 Both
- 9 Unknown

---

**Damage Areas (discontinued)**

---

**Definition:** This vehicle's specific areas damaged due to impact. The totality of the damage is used when determining the specific areas. Five digits are used to indicate up to five specific areas of damage on the vehicle.

**Additional Information:** This data element replaced Maximum Damage Area (V17) in 1990.

Five digits are used to indicate up to five specific areas of damage on the vehicle. If there are no records coded for the vehicle, then 99999 is assigned. If any of the records have SAS code 0 (no damage) coded, then 00000 is assigned. If there is a record with SAS code 7, and there is also a record with SAS code 9, then 99999 is assigned. Please note that "Unknowns" has priority over ALL, otherwise the value is set to 70000. If there is a record for all values 1 through 6, then the value is set to 70000 ("ALL" should have been coded instead). If none of the above conditions apply, then an ordered string of the SAS code values between 1 and 6, and the string is padded at the start with 9's if there is a record with SAS code 9, and padded with 0's if not. For example, if the records have SAS codes 3, 1, 5, and 9, then the result would be 99135.

*Examples of complete codes are:*

*0 = No damage*

*12000 = Front and right damage only*

*12999 = Front and right damage and unknown if damaged in other areas*

This data element was discontinued in 2009.

**SAS Name:** **DAM\_AREA**

**Attribute Codes****2008-2009**

- 0 No damage
- 1 Front
- 2 Right side
- 3 Left side
- 4 Back
- 5 Top
- 6 Undercarriage
- 7 All areas damaged
- 9 Unknown damage areas

### Driver's Vision Obscured By (discontinued)

**Definition:** Identifies visual circumstances that may have contributed to the cause of the crash.

**Additional Information:** Starting in 2009 this type of unknown (Not on PAR, Not Coded) is coded 99. If a driver's vision is obscured by more than one item, the lowest of the attribute codes is chosen.

Multiple obstructions for a driver are available in the Vision data file (SAS data element MVISOBSC). The Vehicle.VIS\_OBSC is rolled up from the Vision data file. If there are no records, then the value 00 is assigned. If there is a single record, then the SAS code for that record is assigned. If there are multiple records, then the minimum SAS code of all the records is assigned.

Starting in 2010, this data element is only available in the Vision data file.

See *Appendix F: Rules for Derived Data Elements* for an expanded explanation of this data element and how it is derived in 2009 and before.

**SAS Name:** VIS OBSC

#### Attribute Codes

2008	2009	
0	0	No Obstruction noted
--	1	Rain, Snow, Fog, Smoke, Sand, Dust
1	--	Rain, Snow, Smoke, Sand, Dust
2	2	Reflected Glare, Bright Sunlight, Headlights
3	--	Curve or Hill
--	3	Curve, Hill, or Other Roadway Design Feature
4	--	Building, Billboard, or Other Design Features (includes signs, Embankment)
--	4	Building, Billboard, or Other Structure
5	5	Trees, Crops, Vegetation
6	6	Moving In-Transport Motor Vehicle (Including Load)
7	--	Parked Vehicle
--	7	Not-in-Transport Motor Vehicle (Parked, Working)
8	8	Splash or Spray of Passing Vehicle
9	9	Inadequate Defrost or Defog System
10	10	Inadequate Vehicle Lighting System
11	11	Obstruction Interior to Vehicle

---

**Driver's Vision Obscured By (continued)**

---

12	12	External Mirrors
13		Head Restraints
14	13	Broken or Improperly Cleaned Windshield
--	14	Obstructing Angles on Vehicle
15	--	Fog
50	--	Hit & Run Vehicle (And No Information)
93	--	Not on PAR
94	--	Not Coded
95	--	No Driver Present
--	95	No Driver Present / Unknown if Driver Present
97	97	Vision Obscured-No Details
98	98	Other Visual Obstruction
99	99	Unknown Whether Vision was Obstructed

### Driver Distracted By (discontinued)

**Definition:** Identifies a distraction which may have influenced driver performance and contributed to the cause of the crash. The distraction can be either inside the vehicle (internal) or outside the vehicle (external). If a driver had more than one distraction, the lowest of the attribute codes is chosen.

**Additional Information:** The Vehicle.DR\_DSTRD is rolled up from the Distract data file. If there are no records, then the value 00 is assigned. If there is a single record, then the SAS code for that record is assigned. If there are multiple records, then the minimum SAS code of all the records is assigned with the exceptions that SAS code 98 has priority over SAS code 92, and all other values have priority over SAS code 0.

Starting in 2010, this data element is only available in the Distract data file.

See *Appendix F: Rules for Derived Data Elements* for an expanded explanation of this data element and how it is derived in 2009 and before.

**SAS Name:** DR\_DSTRD

#### Attribute Codes

**2008-  
2009**

0	Not Distracted
1	Looked But Did Not See
3	By Other Occupants
4	By Moving Object In Vehicle
5	While Talking Or Listening To Cellular Phone
6	While Dialing Cellular Phone
7	While Adjusting Climate Control
8	While Adjusting Radio, Cassette Or CD
9	While Using Other Devices Integral To Vehicle
10	While Using Or Reaching For Other Devices
11	Sleepy Or Fell Asleep
12	Distracted By Outside Person Or Object
13	Eating Or Drinking
14	Smoking Related
15	Other Cellular Phone Related
50	Hit & Run (And No Information)
92	Distraction Or Inattention, Details Unknown
93	Not On PAR
94	Not Coded
95	No Driver Present
97	Inattentive Or Lost In Thought
98	Other Distraction
99	Unknown If Distracted



### The PERSON Data File

The Person data file contains the data elements CASENUM, PSU, ADJUST, PJ, VEH\_NO, and PER\_NO. CASENUM, VEH\_NO and PER\_NO are the unique identifiers. CASENUM and VEH\_NO should be used to merge the Person data file with the Vehicle data file. The Person data file also contains the data elements on the following pages.

In the Person data file, VEH\_NO equals 0 for non-motorists (PER\_TYPE=4,5,6,7,8,10 or 19) with the exception of occupants of a motor vehicle not in-transport (PER\_TYPE=3) which have valid vehicle numbers.

**P5/NM5 Age**

---

**Definition:** Indicates the person's age at the time of the crash, with respect to the person's last birthday.

**Additional Information:**

**SAS Name:** AGE

**Attribute Codes**

<i>2008</i>	<i>2009</i>	<i>2010- Later</i>	
0	0	0	Less than One Year
1-998	1-120	1-120	Years of Age
--	--	998	Not Reported
999	999	999	Unknown

**P6/NM6 Sex**

---

**Definition:** Indicates the police reported sex for this person

**Additional Information:**

**SAS Name:** SEX

**Attribute Codes**

<i>2008- 2009</i>	<i>2010- Later</i>	
1	1	Male
2	2	Female
--	8	Not Reported
9	9	Unknown

**P7/NM7 Person Type**

---

**Definition:** Indicates the role of the person in the vehicle.

**Additional Information:** In 2008 a person in or on a working vehicle was coded 7 (Person in or on a Working Vehicle). Starting in 2009 such a person is coded 3 (Occupant of a Motor Vehicle Not in Transport).

**SAS Name:** **PER\_TYPE** 2008  
**PER\_TYP** 2009-Later

**Attribute Codes**

		2010-	
2008	2009	Later	
<i>MOTORISTS</i>			
1	1	1	Driver of a Motor Vehicle in Transport
2	2	2	Passenger of a Motor Vehicle in Transport
9	9	9	Unknown Occupant Type in a Motor Vehicle in Transport
<i>NON-MOTORISTS-OCCUPANT</i>			
3	3	3	Occupant of a Motor Vehicle Not in Transport
4	4	4	Occupant of a Non-Motor Vehicle Transport Device
<i>NON-MOTORISTS-NON-OCCUPANT</i>			
5	5	5	Pedestrian
6	--	--	Cyclist (Pedalcyclist)
--	6	6	Bicyclist
--	7	7	Other Cyclist
--	8	8	Persons on Personal Conveyances
--	10	10	Persons in or on Buildings
7	--	--	Person in or on a Working Vehicle
8	--	--	Other or Unknown Non-Occupant
--	19	19	Unknown Type of Non-Motorist
20	20	20	Skates (includes roller, in-line, etc)
21	21	21	Skateboards (motorized and non-motorized)
22	22	22	Baby Carriage
23	23	23	Scooters (motorized and non-motorized)
24	24	24	Toy Wagons
25	25	25	Motorized toy car
26	26	26	Segway-style devices
27	27	27	Motorized and non-motorized wheelchairs
28	28	28	Handicapped scooters

**P8/NM8 Injury Severity**

---

**Definition:** Indicates the police reported injury severity for this person.

**Additional Information:**

**SAS Name:** INJ\_SEV

**Attribute Codes**

**2008-  
Later**

- 0 No Injury (*O*)
- 1 Possible Injury (*C*)
- 2 Non-incapacitating Evident Injury (*B*)
- 3 Incapacitating Injury (*A*)
- 4 Fatal Injury (*K*)
- 5 Injured, Severity Unknown (*U*)
- 6 Died Prior to Crash
- 9 Unknown if Injured

**P9 Seating Position**

**Definition:** Indicates the location of the occupants in the vehicle. More than one person can be assigned the same seat position, however this is coded only when a person is sitting on someone's lap.

**Additional Information:**

**SAS Name:** SEAT\_POS

**Attribute Codes**

<b>2008</b>	<b>2009</b>	<b>2010- Later</b>	
0	0	--	Non-Motorist
--	--	0	Not a Motor Vehicle Occupant
11	11	11	Front Seat – Left Side (Driver's Side)
12	12	12	Front Seat – Middle
13	13	13	Front Seat – Right Side
18	18	18	Front Seat – Other
19	19	19	Front Seat – Unknown
21	21	21	Second Seat – Left Side
22	22	22	Second Seat – Middle
23	23	23	Second Seat – Right Side
28	28	28	Second Seat – Other
29	29	29	Second Seat – Unknown
31	31	31	Third Seat – Left Side
32	32	32	Third Seat – Middle
33	33	33	Third Seat – Right Side
38	38	38	Third Seat – Other
39	39	39	Third Seat – Unknown
41	41	41	Fourth Seat – Left Side
42	42	42	Fourth Seat – Middle
43	43	43	Fourth Seat – Right Side
48	48	48	Fourth Seat – Other
49	49	49	Fourth Seat – Unknown
50	50	50	Sleeper Section of Cab (Truck)
51	--	--	Other Passenger in Passenger or Cargo Area
--	51	51	Other Passenger in Enclosed Passenger or Cargo Area
--	52	52	Other Passenger in Unenclosed Passenger or Cargo Area
--	53	53	Other Passenger in Passenger or Cargo Area, Unknown Whether or Not Enclosed
52	54	54	Trailing Unit
53	55	55	Riding on Vehicle Exterior
--	--	98	Not Reported
99	99	99	Unknown

**NM4    Non-Motorist Striking Vehicle Number**

---

**Definition:** This data element identifies the vehicle which made contact with the non-motorist. The value entered must match the vehicle number of the striking vehicle.

**Additional Information:**

**SAS Name:** STR\_VEH

**Attribute Codes**

<i>2008- 2009</i>	<i>2010- Later</i>	
0	0	Occupant of Motor Vehicle
1-30	1-998	Assigned Vehicle Number
--	999	Unknown

**NM10 Non-Motorist Location**

---

**Definition:** Reports the location of non-motorists at the time of impact.

**Additional Information:** Non-motorists who are occupants of motor vehicles not in-transport are coded with respect to the location of the vehicle.

**SAS Name:** **LOCATION** *2010-Present*

**Attribute Codes****2010-  
Later**

- |    |   |
|----|---|
| 1  | Residential Driveway  |
| 2  | Residential Garage  |
| 3  | Residential Parking Lot                                       |
| 4  | Other Residential Area  |
| 5  | Commercial Driveway   |
| 6  | Commercial Parking Lot  |
| 7  | Other Commercial Area   |
| 8  | Parking Garage Structure (residential or commercial)          |
| 10 | Other Parking Lot (incl. all parking lots of unknown type)    |
| 11 | Other Private Road (to incl. alleys that are not trafficways) |
| 12 | Other Developed Area  |
| 13 | Undeveloped Area  |
| 14 | Other structure (not parking garage structure)                |
| 15 | Railway   |
| 16 | Unknown Driveway Type   |
| 98 | Not Reported  |
| 99 | Unknown Location  |



**NM26 Pedestrian Motion**

---

**Definition:** This element is used to describe the motion of pedestrians.

**Additional Information:** Non-motorists who are occupants of motor vehicles not in-transport are coded with respect to the location of the vehicle.

**SAS Name:** **PEDMOTN** *2010-Present*

**Attribute Codes****2010-  
Later**

- |   |                                   |
|---|-----------------------------------|
| 1 | Not moving                        |
| 2 | Walking                           |
| 3 | Running                           |
| 4 | Skipping/Hopping/Jumping          |
| 5 | Falling/Stumbling/Rising          |
| 7 | Not a pedestrian                  |
| 8 | Other                             |
| 9 | Unknown type of pedestrian motion |

**NM26 Pedestrian**

---

**Definition:** This element is used to describe the posture of pedestrians.

**Additional Information:** Non-motorists who are occupants of motor vehicles not in-transport are coded with respect to the location of the vehicle.

**SAS Name:** **PEDPOST** *2010-Present*

**Attribute Codes**

**2010-  
Later**

- |   |                                    |
|---|------------------------------------|
| 1 | Standing                           |
| 2 | Bending at waist                   |
| 3 | Sitting                            |
| 4 | Crouching/Kneeling                 |
| 7 | Not a pedestrian                   |
| 8 | Other                              |
| 9 | Unknown Type of Pedestrian Posture |

### **The CEVENT Data File**

The Cevent data file contains the data elements CASENUM, PSU, ADJUST , PJ and EVENTNUM. CASENUM and EVENTNUM are the unique identifiers. CASENUM may be used to merge with crashes in the Accident data file. The data file also contains:

**C17    Vehicle Number (This Vehicle)**

---

**Definition:** Number assigned to an in-transport motor vehicle involved in the event. This data element is the same as VEH\_NO in the Vehicle data file.

**Additional Information:**

**SAS Name:**    **VEHNUM**        *2008-2009*  
                  **VNUMBER1**      *2010-Later*

**Attribute Codes**

<i>2008- 2009</i>	<i>2010- Later</i>	
1-100	1-999	Vehicle Number

---

**C17 Area of Impact (This Vehicle)**

---

**Definition:** Indicates the impact point that produced property damage or personal injury for this transport motor vehicle involved in the event.

**Additional Information:**

**SAS Name:** **GAD** 2008-2009  
**AOI1** 2010-Later

**Attribute Codes**

**2008-  
2009**

0	Non-Collision
1	Front
2	Right Side
3	Left Side
4	Back
5	Top
6	Undercarriage
11	Front Right Corner
12	Front Left Corner
13	Back Right Corner
14	Back Left Corner
15	Object Set in Motion
99	Point of Impact Unknown

**2010-  
Later**

0	Non-Collision
1-12	Clock points
13	Top
14	Undercarriage
18	Set-in-Motion (Not a Clock Point)
55	Non-Harmful Event
61	Left
62	Left-Front Half
63	Left-Back Half
81	Right
82	Right-Front Half
83	Right-Back Half
98	Not Reported
99	Unknown

**V31 Sequence of Events**

**Definition:** The events in sequence related to this motor vehicle, regardless of injury and/or property damage. Events for the crash are recorded in the order in which they occur, time-wise, from the Police Accident Report (PAR) narrative and diagram.

**Additional Information:** Prior to 2009, this data element is called *Non-Collision Category or Object Contacted*. Codes 1-100 are reserved for the Vehicle Number of the contacted vehicle. The remainder of the codes identified the type of non-collision event or the fixed/non-fixed object contacted. In 2010, non-harmful events are added and the data element name is changed to *Non-Harmful Event, Non-Collision Category or Object Contacted*. In 2011, the vehicle number codes 1-100 are retired. Codes 12, 54 and 55 are used to identify contact with another in-transport motor vehicle and the data element *Vehicle Number (Other Vehicle)* added to record the number of the contacted vehicle.

**SAS Name:** **OBJCONT** 2008-2009  
**SOE** 2010-Later

**Attribute Codes**

2008	2009	2010-Later	
<i>NONCOLLISION</i>			
1	1	1	Rollover/Overturn
2	2	2	Fire/Explosion
3	3	3	Immersion
4	4	4	Gas Inhalation
5	5	--	Jackknife
--	--	51	Jackknife (Harmful to This Vehicle)
6	6	--	Noncollision Injury (Injured In Vehicle Or Fell From Vehicle)
7	7	44	Pavement Surface Irregularity (Ruts, Potholes, Grates, etc.)
8	8	7	Other Noncollision
9	9	--	Noncollision-No Details
10	10	16	Thrown or Falling Object
--	--	6	Injured in Vehicle (Non-Collision)
--	--	72	Cargo/Equipment Loss or Shift (Harmful to This Vehicle)
--	--	5	Fell/Jumped from Vehicle
<i>COLLISION WITH OBJECT NOT FIXED</i>			
21	21	8	Pedestrian
22	--	--	Cycle or Cyclist (Pedalcyclist or Pedalcycle)
--	22	9	Pedalcyclist
23	23	--	Railway Train
--	--	10	Railway Vehicle
24	24	--	Animal
--	--	11	Live Animal
--	--	49	Ridden Animal or Animal Drawn Conveyance
25	25	--	Motor Vehicle in Transport
26	26	--	Parked Motor Vehicle (or Other M.V. Not in Transport)
27	27	--	Other Type Non-Motorist

**V31 Sequence of Events (continued)****Attribute Codes**

<b>2008</b>	<b>2009</b>	<b>2010- Later</b>	
--	--	15	Non-Motorist on Personal Conveyance
47	--	--	Vehicle Occupant
28	28	18	Other Object Not Fixed
29	29	--	Object Not Fixed-No Details
--	--	14	Parked Motor Vehicle
--	--	45	Working Motor Vehicle
<b>COLLISION WITH FIXED OBJECT</b>			
31	31	58	Ground
32	32	19	Building
33	33	20	Impact Attenuator/Crash Cushion
34	34	--	Bridge Structure (Bridge Pier/Abutment/Parapet End/Rail)
35	35	--	Guardrail
36	36	--	Concrete Traffic Barrier or Other Longitudinal Barrier Type
--	--	25	Concrete Traffic Barrier
37	37	--	Post, Pole or Support (Sign Post, Utility Post)
38	38	--	Culvert or Ditch
39	39	33	Curb
40	40	35	Embankment
41	41	38	Fence
42	42	39	Wall
43	43	40	Fire Hydrant
44	44	41	Shrubbery
45	45	--	Tree
--	--	42	Tree (Standing Only)
46	46	17	Boulder
58	58	43	Other Fixed Object
59	59	--	Fixed Object, No Details
--	--	50	Bridge Overhead Structure
--	--	21	Bridge Pier or Support
--	--	23	Bridge Rail (Includes Parapet)
--	--	24	Guardrail Face
--	--	52	Guardrail End
--	--	57	Cable Barrier
--	--	26	Other Traffic Barrier
--	--	59	Traffic Sign Support
--	--	46	Traffic Signal Support
--	--	30	Utility Pole/Light Support
--	--	31	Other Post, Other Pole or Other Supports
--	--	32	Culvert
--	--	34	Ditch
--	--	48	Snow Bank
--	--	53	Mail Box

---

**V31    Sequence of Events    (continued)**

---

**Attribute Codes**

				<b>2010- Later</b>
<b>2008</b>	<b>2009</b>			
<i>COLLISION WITH MOTOR VEHICLE IN TRANSPORT</i>				
--	--	--	54	Motor Vehicle In-Transport Strikes or is Struck by Cargo, Persons or Objects Set-in-Motion from/by Another Motor Vehicle In-Transport
--	--	--	55	Motor Vehicle in Motion Outside the Trafficway
<i>NOT REPORTED AND UNKNOWN</i>				
99	99	99	99	Unknown



**C17    Vehicle Number (Other Vehicle)**

---

**Definition:** This data element represents the number assigned to the “other” motor vehicle involved in the event. This data element is the same as VEH\_NO in the Vehicle data file.

**Additional Information:**

**SAS Name:**    **VNUMBER2**

**Attribute Codes**

***2010-Later***

1-999	Vehicle Number
5555	Non-Harmful Event
9999	Not a Motor Vehicle

---

**C17 Area of Impact (Other Vehicle)**

---

**Definition:** This data element indicates the impact point for the other in-transport motor vehicle involved in the harmful event.

**Additional Information:**

**SAS Name:** **OBJGAD**      *2008-2009*  
                 **AOI2**          *2010-Later*

**Attribute Codes**

**2008-  
2009**

- 1 Front
- 2 Right Side
- 3 Left Side
- 4 Back
- 5 Top
- 6 Undercarriage
- 11 Front Right Corner
- 12 Front Left Corner
- 13 Back Right Corner
- 14 Back Left Corner
- 98 Not a Motor Vehicle in Transport
- 99 Point of Impact Unknown

**2010-  
Later**

- 1-12 Clock points
- 13 Top
- 14 Undercarriage
- Set-in-Motion (Not a Clock Point)
- 55 Non-Harmful Event
- 61 Left
- 62 Left-Front Half
- 63 Left-Back Half
- 77 Not a Motor Vehicle
- 81 Right
- 82 Right-Front Half
- 83 Right-Back Half
- 98 Not Reported
- Not a Motor Vehicle in Transport
- 99 Unknown

## Discontinued CEVENT Data Elements

### Vehicle's Action (discontinued)

---

**Definition:** Describes the action for the event for the vehicle identified by VEHNUM.

**Additional Information:**

**SAS Name:** E\_ACTION

**Attribute Codes**

**2008-  
2009**

- |   |   |
|---|---|
| 1 | Non-Collision                             |
| 2 | Collision With Object Not Fixed           |
| 3 | Collision With Fixed Object               |
| 4 | Strike Another In-Transport Motor Vehicle |
| 5 | Struck By An In-Transport Motor Vehicle   |

### **The VEVENT Data File**

The Vevent data file contains the data elements CASENUM, PSU, ADJUST, PJ, VEH\_NO, EVENTNUM and VEVENTNUM. CASENUM, VEH\_NO and VEVENTNUM are the unique identifiers. CASENUM and VEH\_NO may be used to merge with the Vehicle data file. The data file also contains:

---

**C17 Vehicle Number (This Vehicle)**

---

**Definition:** Vehicle number of the in-transport motor vehicle involved in the event. If the event is an impact between two in-transport motor vehicles, this is the vehicle number of the vehicle with the lower vehicle number. If the event is an impact between a vehicle and an object set in motion by another vehicle, this is the number of the vehicle which set the object in motion, even if it is the higher number.

**Additional Information:** Example:

If Vehicle #1 (V1) impacts Vehicle #2 (V2), then we have at least 2 Vevent records.

<u>VEH_NO</u>	<u>EVENTNUM</u>	<u>VNUMBER1</u>	<u>SOE</u>
1	1	1	2
2	1	1	2

The explanation of these 2 records is as follows:

V1 was involved in event 1 where V1 impacts V2

V2 was involved in event 1 where V1 impacts V2

**SAS Name:** **VNUMBER1** *2010-Later*

**Attribute Codes**

*2010-  
Later*

1-999 Vehicle Number

**C17    Area of Impact (This Vehicle)**

---

**Definition:** Indicates the impact point that produced property damage or personal injury for this transport motor vehicle involved in the event.

**Additional Information:**

**SAS Name:** **AOI1**    *2010-Later*

**Attribute Codes**

***2010-  
Later***

0	Non-Collision
1-12	Clock points
13	Top
14	Undercarriage
18	Set-in-Motion (Not a Clock Point)
55	Non-Harmful Event
61	Left
62	Left-Front Half
63	Left-Back Half
81	Right
82	Right-Front Half
83	Right-Back Half
98	Not Reported
99	Unknown

### V31 Sequence of Events

---

**Definition:** The events in sequence related to this motor vehicle, regardless of injury and/or property damage. Events for the vehicle are recorded in the order in which they occur, time-wise, from the Police Accident Report (PAR) narrative and diagram.

**Additional Information:** Prior to 2010, this data element is called *Non-Collision Category or Object Contacted*. Codes 1-100 are reserved for the Vehicle Number of the contacted vehicle. The remainder of the codes identified the type of non-collision event or the fixed/non-fixed object contacted. In 2010, the data element name is changed to *Non-Harmful Event, Non-Collision Category or Object Contacted*. In 2010, the vehicle number codes 1-100 are retired. Codes 54 and 55 are used to identify contact with another in-transport motor vehicle and the data element *Vehicle Number (Other Vehicle)* added to record the number of the contacted vehicle.

**SAS Name:** **SOE**                      **2010-Later**

#### Attribute Codes

##### **2010- Later**

- |    |  |
|----|--|
| 1  | Rollover/Overturn  |
| 2  | Fire/Explosion   |
| 3  | Immersion  |
| 4  | Gas Inhalation   |
| 51 | Jackknife (Harmful to This Vehicle)                          |
| 44 | Pavement Surface Irregularity (Ruts, Potholes, Grates, etc.) |
| 7  | Other Noncollision   |
| 16 | Thrown or Falling Object                                     |
| 6  | Injured in Vehicle (Non-Collision)                           |
| 72 | Cargo/Equipment Loss or Shift (Harmful to This Vehicle)      |
| 5  | Fell/Jumped from Vehicle                                     |
| 8  | Pedestrian   |
| 9  | Pedalcyclist   |
| 10 | Railway Vehicle  |
| 11 | Live Animal  |
| 49 | Ridden Animal or Animal Drawn Conveyance                     |
| 15 | Non-Motorist on Personal Conveyance                          |
| 18 | Other Object Not Fixed                                       |
| 14 | Parked Motor Vehicle   |
| 45 | Working Motor Vehicle  |
| 58 | Ground   |
| 19 | Building   |
| 20 | Impact Attenuator/Crash Cushion                              |
| 25 | Concrete Traffic Barrier                                     |
| 33 | Curb   |
| 35 | Embankment   |
| 38 | Fence  |
| 39 | Wall   |
| 40 | Fire Hydrant   |
| 41 | Shrubbery  |
| 42 | Tree (Standing Only)   |

17	Boulder
43	Other Fixed Object
50	Bridge Overhead Structure
21	Bridge Pier or Support
23	Bridge Rail (Includes Parapet)
24	Guardrail Face
52	Guardrail End
57	Cable Barrier
26	Other Traffic Barrier
59	Traffic Sign Support
46	Traffic Signal Support
30	Utility Pole/Light Support
31	Other Post, Other Pole or Other Supports
32	Culvert
34	Ditch
48	Snow Bank
53	Mail Box
54	Motor Vehicle In-Transport Strikes or is Struck by Cargo, Persons or Objects Set-in-Motion from/by Another Motor Vehicle In-Transport
55	Motor Vehicle in Motion Outside the Trafficway
99	Unknown



**C17    Vehicle Number (Other Vehicle)**

---

**Definition:** This data element represents the number assigned to the “other” motor vehicle involved in the event. This data element is the same as VEH\_NO in the Vehicle data file.

**Additional Information:**

**SAS Name:**    **VNUMBER2**

**Attribute Codes**

***2010-Later***

1-999	Vehicle Number
5555	Non-Harmful Event
9999	Not a Motor Vehicle

**C17    Area of Impact (Other Vehicle)**

---

**Definition:** Indicates the impact point for the other in-transport motor vehicle involved in the harmful event.

**Additional Information:**

**SAS Name:**    **AOI2**                    *2010-Later*

**Attribute Codes**

***2010-  
Later***

1-12	Clock points
13	Top
14	Undercarriage
55	Non-Harmful Event
61	Left
62	Left-Front Half
63	Left-Back Half
77	Not a Motor Vehicle
81	Right
82	Right-Front Half
83	Right-Back Half
98	Not Reported
99	Unknown

### **The VSOE Data File**

The Vevent data file contains the data elements CASENUM, PSU, ADJUST, PJ, VEH\_NO, EVENTNUM and VEVENTNUM. CASENUM, VEH\_NO and VEVENTNUM are the unique identifiers. CASENUM and VEH\_NO may be used to merge with the Vehicle data file. The data file also contains:

**C17    Area of Impact Associated with the Event**

---

**Definition:** Indicates the impact point that produced property damage or personal injury for the transport motor vehicle involved in this event.

**Additional Information:**

**SAS Name:**    **AOI**

**Attribute Codes**

***2010-Later***

00	Non-Collision
01-12	Clock Points
13	Top
14	Undercarriage
18	Set-In-Motion (Not a Clock Point)
55	Non-Harmful Event
61	Left
62	Left-Front Half
63	Left-Back Half
81	Right
82	Right-Front Half
83	Right-Back Half
98	Not Reported
99	Unknown

---

**V31 Sequence of Events**

---

**Definition:** The events in sequence related to this motor vehicle, regardless of injury and/or property damage. Events for the vehicle are recorded in the order in which they occur, time-wise, from the Police Accident Report (PAR) narrative and diagram.

**Additional Information:**

**SAS Name:** SOE

**Attribute Codes**

**2010-Later**

- |    |  |
|----|--|
| 1  | Rollover/Overturn                        |
| 2  | Fire/Explosion                           |
| 3  | Immersion                                |
| 4  | Gas Inhalation                           |
| 5  | Fell/Jumped from Vehicle                 |
| 6  | Injured in Vehicle (Non-Collision)       |
| 7  | Other Non-Collision                      |
| 8  | Pedestrian                               |
| 9  | Pedalcyclist                             |
| 10 | Railway Vehicle                          |
| 11 | Live Animal                              |
| 14 | Parked Motor Vehicle                     |
| 15 | Non-Motorist on Personal Conveyance      |
| 16 | Thrown or Falling Object                 |
| 17 | Boulder                                  |
| 18 | Other Object (Not Fixed)                 |
| 19 | Building                                 |
| 20 | Impact Attenuator/Crash Cushion          |
| 21 | Bridge Pier or Support                   |
| 23 | Bridge Rail (Includes Parapet)           |
| 24 | Guardrail Face                           |
| 25 | Concrete Traffic Barrier                 |
| 26 | Other Traffic Barrier                    |
| 30 | Utility Pole/Light Support               |
| 31 | Other Post, Other Pole or Other Supports |
| 32 | Culvert                                  |
| 33 | Curb                                     |
| 34 | Ditch                                    |
| 35 | Embankment                               |
| 38 | Fence                                    |
| 39 | Wall                                     |
| 40 | Fire Hydrant                             |
| 41 | Shrubbery                                |
| 42 | Tree (Standing Only)                     |

---

**V31 Sequence of Events (continued)**

---

**Attribute Codes****2010-Later**

- 43 Other Fixed Object
- 44 Pavement Surface Irregularity (Ruts, Potholes, Grates, etc.)
- 45 Working Motor Vehicle
- 46 Traffic Signal Support
- 48 Snow Bank
- 49 Ridden Animal or Animal Drawn Conveyance
- 50 Bridge Overhead Structure
- 51 Jackknife (harmful to this vehicle)
- 52 Guardrail End
- 53 Mail Box
- 54 Motor Vehicle In-Transport Strikes or is Struck by Cargo, Persons or Objects Set-in-Motion from/by Another Motor Vehicle In-Transport
- 55 Motor Vehicle In Motion Outside the Trafficway
- 57 Cable Barrier
- 58 Ground
- 59 Traffic Sign Support
- 72 Cargo/Equipment Loss or Shift (harmful to this vehicle)
- 99 Unknown

### The VISION Data File

The Vision data file contains the data elements CASENUM, PSU, ADJUST, PJ, and VEH\_NO. CASENUM, VEH\_NO and MVISOBSC are the unique identifiers. CASENUM and VEH\_NO should be used to merge the Vision data file with the Vehicle data file. MVISOBSC identifies each visual obstruction (as a separate record) and is described below:

**PC14 Driver's Vision Obscured By**

**Definition:** Identifies visual circumstances that may have contributed to the cause of the crash.

**SAS Name:** **MVISOBSC**

**Attribute Codes**

<b>2008</b>	<b>2009- Later</b>	
0	0	No Obstruction
--	1	Rain, Snow, Fog, Smoke, Sand, Dust
1	--	Rain, Snow, Smoke, Sand, Dust
2	2	Reflected Glare, Bright Sunlight, Headlights
3	--	Curve or Hill
--	3	Curve, Hill, or Other Roadway Design Feature
4	--	Building, Billboard, or Other Design Features (Includes Signs, Embankment)
--	4	Building, Billboard, or Other Structure
5	5	Trees, Crops, Vegetation
6	6	In-Transport Motor Vehicle (Including Load)
7	--	Parked Vehicle
--	7	Not-in-Transport Motor Vehicle (Parked, Working)
8	8	Splash or Spray of Passing Vehicle
9	9	Inadequate Defrost or Defog System
10	10	Inadequate Vehicle Lighting System
11	11	Obstruction Interior to Vehicle
12	12	External Mirrors
13	--	Head Restraints
14	13	Broken or Improperly Cleaned Windshield
--	14	Obstructing Angles on Vehicle
15	--	Fog
50	--	Hit & Run Vehicle (And No Information)
93	--	Not on PAR
94	--	Not Coded
95	--	No Driver Present
--	95	No Driver Present / Unknown if Driver Present
97	97	Vision Obscured – No Details
98	98	Other Visual Obstruction
99	99	99 Unknown Whether Vision was Obstructed



### **The DISTRACT Data File**

The Distract data file contains the data elements CASENUM, PSU, ADJUST, PJ, and VEH\_NO. CASENUM, VEH\_NO and MDRDSTRD are the unique identifiers. CASENUM and VEH\_NO should be used to merge the Distract data file with the Vehicle data file. MDRDSTRD identifies each distraction (as a separate record) and is described below:

**PC16 Driver Distracted By**

---

**Definition:** Identifies all distractions which may have influenced driver performance and contributed to the cause of the crash. The distraction can be either inside the vehicle (internal) or outside the vehicle (external).

**SAS Name:** **MDRDSTRD**

**Attribute Codes**

<b>2008- 2009</b>	<b>2010- Later</b>	
0	0	Not Distracted
1	1	Looked But Did Not See
3	3	By Other Occupants
4	4	By Moving Object In Vehicle
5	5	While Talking Or Listening To Cellular Phone
6	6	While Dialing Cellular Phone
7	--	While Adjusting Climate Control
--	7	While Adjusting Audio And/or Climate Controls
8	--	While Adjusting Radio, Cassette Or CD
9	9	While Using Other Devices/Controls Integral To Vehicle
10	--	While Using Or Reaching For Other Devices
--	10	While Using Or Reaching For Device/Object Brought into Vehicle
11	--	Sleepy Or Fell Asleep
12	--	Distracted By Outside Person Or Object
--	12	Distracted By Outside Person, Object Or Event
13	13	Eating Or Drinking
14	14	Smoking Related
15	15	Other Cellular Phone Related
--	16	No Driver Present/Unknown if Driver Present
50	--	Hit & Run (And No Information)
92	92	Distraction Or Inattention, Details Unknown
93	--	Not On PAR
94	--	Not Coded
95	--	No Driver Present
--	96	Not Reported
97	97	Inattentive Or Lost In Thought
98	98	Other Distraction
99	99	Unknown If Distracted

### **The PARKWORK Data File**

The Parkwork data file includes Vehicle data elements applicable to parked vehicles. The data file contains the data elements CASENUM, PSU, ADJUST, and PJ. CASENUM and VEH\_NO are the unique identifiers. It also contains:

**C4A    Number of Vehicles Involved**

---

**Definition:** The number of vehicles involved in the crash.

**Additional Information:**

**SAS Name:** PVE\_FORMS

**Attribute Codes**

*2010-Later*

1-100    Number of Vehicles

**C8      Crash Date**

---

**C8A    Month of Crash**

---

**Definition:** The month in which the crash occurred.

**Additional Information:**

**SAS Name:** PMONTH

**Attribute Codes**

***2010-Later***

- 1    January
- 2    February
- 3    March
- 4    April
- 5    May
- 6    June
- 7    July
- 8    August
- 9    September
- 10   October
- 11   November
- 12   December

**C9      Crash Time**

---

**C9A    Hour of Crash**

---

**Definition:** The hour at which the crash occurred.

**Additional Information:** Military time is used. Noon is coded as "12."

In 2008 midnight was coded as HOUR=24 and MINUTE=0. Starting in 2009 midnight is coded as HOUR=0 and MINUTE=0. For all years, hour is coded 0 for one minute after midnight to fifty-nine minutes after midnight.

**SAS Name:** **PHOUR**

**Attribute Codes**

***2010-Later***

0-23	Hour
99	Unknown

**C9B    Minute of Crash**

---

**Definition:** The minutes after the hour at which the crash occurred.

**Additional Information:**

**SAS Name:** **PMINUTE**

**Attribute Codes**

***2010-Later***

0-59	Minute
99	Unknown

---

**C18 First Harmful Event**

---

**Definition:** Indicates the first property damaging or injury producing event in the crash.

**Additional Information:**

**SAS Name:** PHARM\_EV

**Attribute Codes**

**2010-Later**

- |    |  |
|----|--|
| 1  | Rollover/Overturn                        |
| 2  | Fire/Explosion                           |
| 3  | Immersion                                |
| 4  | Gas Inhalation                           |
| 5  | Fell/Jumped from Vehicle                 |
| 6  | Injured in Vehicle (Non-Collision)       |
| 7  | Other Non-Collision                      |
| 8  | Pedestrian                               |
| 9  | Pedalcyclist                             |
| 10 | Railway Vehicle                          |
| 11 | Live Animal                              |
| 14 | Parked Motor Vehicle                     |
| 15 | Non-Motorist on Personal Conveyance      |
| 16 | Thrown or Falling Object                 |
| 17 | Boulder                                  |
| 18 | Other Object (Not Fixed)                 |
| 19 | Building                                 |
| 20 | Impact Attenuator/Crash Cushion          |
| 21 | Bridge Pier or Support                   |
| 23 | Bridge Rail (Includes Parapet)           |
| 24 | Guardrail Face                           |
| 25 | Concrete Traffic Barrier                 |
| 26 | Other Traffic Barrier                    |
| 30 | Utility Pole/Light Support               |
| 31 | Other Post, Other Pole or Other Supports |
| 32 | Culvert                                  |
| 33 | Curb                                     |
| 34 | Ditch                                    |
| 35 | Embankment                               |
| 38 | Fence                                    |
| 39 | Wall                                     |
| 40 | Fire Hydrant                             |
| 41 | Shrubbery                                |
| 42 | Tree (Standing Only)                     |

---

**C18 First Harmful Event (continued)**

---

**Attribute Codes****2010-Later**

- 43 Other Fixed Object
- 44 Pavement Surface Irregularity (Ruts, Potholes, Grates, etc.)
- 45 Working Motor Vehicle
- 46 Traffic Signal Support
- 48 Snow Bank
- 49 Ridden Animal or Animal Drawn Conveyance
- 50 Bridge Overhead Structure
- 51 Jackknife (harmful to this vehicle)
- 52 Guardrail End
- 53 Mail Box
- 54 Motor Vehicle In-Transport Strikes or is Struck by Cargo, Persons or Objects Set-in-Motion from/by Another Motor Vehicle In-Transport
- 55 Motor Vehicle In Motion Outside the Trafficway
- 57 Cable Barrier
- 58 Ground
- 59 Traffic Sign Support
- 72 Cargo/Equipment Loss or Shift (harmful to this vehicle)
- 99 Unknown



**C19    Manner of Collision**

---

**Definition:** Indicates the orientation of the vehicles in a collision. If a non-collision, it is classified as such.

**Additional Information:**

**SAS Name:** **PMAN\_COLL**

**Attribute Codes**

***2011-Later***

- 0    Not Collision with Motor Vehicle in Transport
- 1    Front-to-Rear
- 2    Front-to-Front
- 6    Angle
- 7    Sideswipe, Same Direction
- 8    Sideswipe, Opposite Direction
- 9    Rear-to-Side
- 10   Rear-to-Rear
- 11   Other
- 98   Not Reported
- 99   Unknown

**V4      Number of Occupants**

---

**Definition:** The number of occupants of this parked/working vehicle.

**Additional Information:**

**SAS Name:** PNUMOCCS

**Attribute Codes**

<i>2008</i>	<i>2009- Later</i>	
0	0	None
1-998	1-95	Number of Occupants Involved
--	96	Ninety-six or More
999	99	Unknown

**V5      Unit Type**

---

**Definition:** Indicates the type of parked/working vehicle. A parked vehicle is a motor vehicle which is stopped off the roadway, i.e., parked off the roadway.

**Additional Information:** In 2008 working vehicles were defined as transport devices being used as equipment which would be classified under ANSI D16.1-1996 as motor vehicles, if not being used as equipment. In 2009 the definition changed to include only vehicles involved in trafficway maintenance, construction, or utility activities. Also, vehicles performing private maintenance, construction, or utility activities were excluded. For example, a tow truck using its winch for a stalled vehicle would be considered a working vehicle prior to 2009, but not after. Data users are strongly advised to consult the annual NiTS Coding and Editing Manuals for a detailed discussion.

**SAS Name:** PTYPE

**Attribute Codes****2008-2009**

- 1    Parked Vehicle
- 2    Working Vehicle

**2010-Later**

- 1    Motor Vehicle in Transport (*Outside the Trafficway*)
- 3    Motor Vehicle Not in Transport Outside the Trafficway
- 4    Working Motor Vehicle (*Highway Construction, Maintenance, Utility Only*)

**V6      Hit and Run**

---

**Definition:** Hit and run is coded when a motor vehicle in-transport, or its driver, departs from the scene; vehicles not in-transport are excluded. It does not matter whether the hit-and-run vehicle was striking or struck.

**Additional Information:**

**SAS Name:** PHIT\_RUN

**Attribute Codes*****2010-Later***

- |   |              |
|---|--------------|
| 0 | No           |
| 1 | Yes          |
| 8 | Not Reported |
| 9 | Unknown      |

---

**V9      Vehicle Make**

---

**Definition:** A numerical code indicating the make of the parked/working vehicle.

**Additional Information:** See *Appendix A: Vehicle Make/Model Designation* for more detailed information.

**SAS Name:** **PMAKE**

**Attribute Codes**

**2008-Later**

- 1 American Motors
- 2 Jeep/Kaiser-Jeep/Willys-Jeep
- 3 AM General
- 6 Chrysler
- 7 Dodge
- 8 Imperial
- 9 Plymouth
- 10 Eagle
- 12 Ford
- 13 Lincoln
- 14 Mercury
- 18 Buick/Opel
- 19 Cadillac
- 20 Chevrolet
- 21 Oldsmobile
- 22 Pontiac
- 23 GMC
- 24 Saturn
- 25 Grumman
- 29 Other Domestic Manufacturers
- 30 Volkswagen
- 31 Alfa Romeo
- 32 Audi
- 33 Austin/Austin Healey
- 34 BMW
- 35 Datsun/Nissan
- 36 Fiat
- 37 Honda
- 38 Isuzu
- 39 Jaguar
- 40 Lancia
- 41 Mazda
- 42 Mercedes-Benz
- 43 MG
- 44 Peugeot
- 45 Porsche

---

**V9      Vehicle Make    (continued)**

---

**Attribute Codes****2008-Later**

46	Renault
47	Saab
48	Subaru
49	Toyota
50	Triumph
51	Volvo
52	Mitsubishi
53	Suzuki
54	Acura
55	Hyundai
56	Merkur
57	Yugo
58	Infiniti
59	Lexus
60	Daihatsu
61	Sterling
62	Land Rover
63	Kia
64	Daewoo
65	Mini (2002-2007 Only)
65	Smart (2008-Later)
66	Mahindra (Since 2011)
69	Other Import
70	BSA
71	Ducati
72	Harley-Davidson
73	Kawasaki
74	Moto-Guzzi
75	Norton
76	Yamaha
78	Other Make Moped
79	Other Make Motored Cycle
80	Brockway
81	Diamond Rio/Rio
82	Freightliner/White
82/98	White/Autocar, White/GMC
83	FWD
84	International Harvester/Navistar
85	Kenworth
86	Mack
87	Peterbilt
88	Iveco/Magirus
90	Bluebird
91	Eagle Coach
92	Gillig

**V9      Vehicle Make    (*continued*)**

---

**Attribute Codes*****2008-Later***

93	MCI
94	Thomas Built
97	Not Reported
98	Other Make
99	Unknown Make

**V10    Vehicle Model**

---

**Definition:** A numerical code indicating the model of the parked/working vehicle.

**Additional Information:**

**SAS Name:** PMODEL

**Attribute Codes**

***2008-Later***

See *Appendix A: Vehicle Make/Model Designation* for make and model codes.



**V11 Body Type**

**Definition:** The body type of the make of the parked/working vehicle.

**Additional Information:**

**SAS Name:** **PBODYTYP**

**Attribute Codes**

**2008- 2010-  
2009 Later**

**AUTOMOBILES**

1	1	Convertible ( <i>Excludes Sun-Roof, T-Bar</i> )
2	2	2-Door Sedan, Hardtop, Coupe
3	3	3-Door/2-Door Hatchback
4	4	4-Door Sedan, Hardtop
5	5	5-Door/4-Door Hatchback
6	6	Station Wagon ( <i>Excluding Van And Truck Based</i> )
7	7	Hatchback, Number Of Doors Unknown
17	17	3-Door Coupe
8	--	Other Automobile Type
--	8	Sedan/Hardtop, Number of Doors Unknown
9	--	Unknown Automobile Type
--	9	Other or Unknown Automobile Type

**AUTOMOBILE DERIVATIVES**

10	10	Auto Based Pickup ( <i>Includes El Camino, Caballero, Ranchero, SSR, G8-ST, Baha, Brat, And Rabbit Pickup</i> )
11	11	Auto Based Panel ( <i>Cargo Station Wagon, Auto-Based Ambulance/Hearse</i> )
12	12	Large Limousine ( <i>More Than Four Side Doors Or Stretched Chassis</i> )
13	13	Three Wheel Automobile Or Automobile Derivative

**UTILITY VEHICLES**

14	14	Compact Utility ( <i>ANSI D-16 Utility Vehicle Categories "Small" and "Midsize"</i> )
15	15	Large Utility ( <i>ANSI D-16 Utility Vehicle Categories "Full Size" and "Large"</i> )
16	16	Utility Station Wagon
19	19	Utility Vehicle, Unknown Body Type

**VAN-BASED LIGHT TRUCKS (< 4,536 KG GVWR)**

20	20	Minivan
21	21	Large Van – Includes Van-Based Buses
22	22	Step Van Or Walk-In Van ( $\leq 4,536$ Kg GVWR)
23	--	Van-Based Motor-Home
24	--	Van-Based School Bus
25	--	Van-Based Other Bus
28	28	Other Van Type
29	29	Unknown Van Type

**V11 Body Type (continued)****Attribute Codes**

**2008- 2010-  
2009 Later**

*LIGHT CONVENTIONAL TRUCKS (PICKUP STYLE CAB, ≤4,536 KG GVWR)*

30	30	Compact Pickup (S-10, LUV, Ram 50, Rampage, Courier, Ranger, S-5, Pup, Mazda Pickup, Mitsubishi Truck, Datsun/Nissan Pickup, Arrow Pickup, Scamp, Toyota Pickup, VW Pickup, D50, Colt P/U, T-10, S-15, T-15, Ram 100, Dakota, Sonoma)
31	31	Standard Pickup (C10-C35, Jeep P/U, Comanche, Ram P/U, K10-K35, D100-D350, W100-350, F100-F350, R100-500, R10-R35, V10-35, Silverado, Sierra, T100)
32	32	Pickup With Slide-In Camper
33	33	Convertible Pickup
39	39	Unknown (Pickup Style) Light Conventional Truck

*OTHER LIGHT TRUCKS (≤4,536 KG GVWR)*

40	40	Cab Chassis Based (Included Rescue Vehicle, Light Stake, Dump, And Tow Truck)
41	41	Truck Based Panel
45	45	Other Light Conventional Truck Type
48	--	Unknown Other Light Truck Type (Utility, Van, Pickup, Or Other Light Truck)
--	48	Unknown Light Truck Type (Not A Pickup)
49	49	Unknown Light Vehicle Type (Automobile, Utility, Van, Or Light Truck)

*BUSES (EXCLUDES VAN BASED)*

50	50	School Bus (Designed To Carry Students, Not Cross Country Or Transit)
--	51	Cross Country/Intercity Bus (Motor Coach)
--	52	Transit Bus (City Bus)
--	55	Van-Based Bus GVWR > 10,000 lbs. (*Added In 2011)
58	58	Other Bus Type (e.g., Transit, Intercity, Bus Based Motor Home)
59	59	Unknown Bus Type

*MEDIUM/HEAVY TRUCKS (>4,536 KG GVWR)*

60	60	Step Van
--	61	Single-Unit Straight Truck (10,000 lbs<GVWR< or =19,500 lbs) (2010 Only)
--	61	Single-Unit Straight Truck or Cab-Chassis (10,000 lbs<GVWR< or =19,500 lbs) (Since 2011)
--	62	Single-Unit Straight Truck (19,500 lbs<GVWR< or =26,000 lbs) (2010 Only)
--	62	Single-Unit Straight Truck or Cab-Chassis (19,500 lbs<GVWR< or =26,000 lbs) (Since 2011)
--	63	Single-Unit Straight Truck (GVWR>26,000 lbs) (2010 Only)
--	63	Single-Unit Straight Truck or Cab-Chassis (GVWR>26,000 lbs) (Since 2011)
64	64	Single Unit Straight Truck (1992-2010)
--	64	Single Unit Straight Truck or Cab-Chassis (GVWR unknown) (Since 2011)
66	66	Truck-Tractor (Cab Only, Or With Any Number Of Trailing Units; Any Weight)
--	67	Medium/Heavy Pickup (GVWR > 10,000 lbs, Since 2001)
--	68	Single-Unit Straight Truck (GVWR unknown)

**V11 Body Type (continued)**

---

**Attribute Codes**

**2008-  
2009**    **2010-  
Later**

--	71	Unknown if Single-Unit or Combination-Unit Medium Truck (10,000 lbs < GVWR < 26,000 lbs)
--	72	Unknown if Single-Unit or Combination-Unit Heavy Truck (GVWR>26,000 lbs)
78	78	Unknown Medium/Heavy Truck Type
79	79	Unknown Truck Type (Light/Medium/Heavy)

**MOTOR HOMES**

42	42	Light Truck Based Motor Home (Chassis Mounted)
65	65	Medium/Heavy Truck-Based Motor Home
--	73	Camper or Motor Home, Unknown Truck Type

**MOTORED CYCLES, MOPEDS, ALL-TERRAIN VEHICLES**

80	80	Motorcycle
81	81	Moped (Motorized Bicycle)
82	82	Three Wheeled Motorcycle Or Moped
--	83	Off-Road Motorcycle (2-Wheel)
88	88	Other Motored Cycle Type (Minibike, Motor Scooter, Pocket Motorcycles, Pocket Bikes)
89	89	Unknown Motored Cycle Type
90	90	ATV (All-Terrain Vehicle; Includes 3 or 4 Wheels)

**OTHER VEHICLES**

91	91	Snowmobile
92	92	Farm Equipment Other Than Trucks
93	93	Construction Equipment Other Than Trucks (Includes Graders)
--	94	Low Speed Vehicle (LSV)/Neighborhood Electric Vehicle (NEV) (*Added In 2011)
97	97	Other Vehicle Type (Includes Go-Cart, Fork-Lift, City Street Sweeper, Dune/Swamp Buggy, Golf Cart)
--	98	Not Reported
99	99	Unknown Body Type

**V12    Vehicle Model Year**

---

**Definition:** This data element identifies the manufacturer's model year of this vehicle.

**Additional Information:**

**SAS Name:**    **PMODELYR**    *2010*  
                  **PMODYEAR**    *2011-Later*

**Attribute Codes**

<i>2008- 2009</i>	<i>2010- Later</i>	
xxxx	xxxx	Actual Model Year
--	9998	Not Reported
9999	9999	Unknown

**V13    Vehicle Identification Number (VIN)**

---

**Definition:** The vehicle identification number assigned by the vehicle manufacturer. The VIN contains information on the vehicle such as: manufacturer, model year, model, body type, restraint type, etc.

**Additional Information:** If a character of the VIN is missing or undecipherable, that character is blank. In 2008 the first 11 characters of the VIN are coded; from 2009 onward the first 12 are coded.

**SAS Name:** **PVIN**

**Attribute Codes**

**2008** (*character data type, length 11*)

**2009-Later** (*character data type, length 12*)

<b>2008</b>	<b>2009</b>	<b>2010- Later</b>	
00000000000	000000000000	000000000000	No VIN Required
xxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxx	First 12 Characters of the VIN
--	--	888888888888	Not Reported
99999999999	999999999999	999999999999	Unknown

---

**V28 Area of Impact- Initial/Most Damaged**

---

**V28A Initial Point of Impact**

---

**Definition:** The first impact point for the parked/working vehicle that produced property damage or personal injury.

**Additional Information:**

**SAS Name:** **PIMPACT** 2008-2009  
**PIMPACT1** 2010-Later

**Attribute Codes****2008-  
2009**

- No Damage/Non-Collision
- 0 Non-Collision
- 1 Front
- 2 Right Side
- 3 Left Side
- 4 Back
- 5 Top
- 6 Undercarriage
- Corner
- 11 Front Right Corner
- 12 Front Left Corner
- 13 Back Right Corner
- 14 Back Left Corner
- 15 Object Set in Motion
- 99 Point of Impact Unknown

**2010-  
Later**

- 0 Non-Collision
- 1-12 Clock points
- 13 Top
- 14 Undercarriage
- 18 Set-in-Motion (Not a Clock Point)
- 61 Left
- 62 Left-Front Half
- 63 Left-Back Half
- 81 Right
- 82 Right-Front Half
- 83 Right-Back Half
- 98 Not Reported
- 99 Unknown

**V28B Area of Impact- Most Damaged**

---

**Definition:** This data element identifies the area on the parked/working vehicle that was most damaged during an event it underwent in the crash.

**Additional Information:** The striking vehicle, not the vehicle struck, determines the underride/override condition. After the crash, in the case of an override or underride one vehicle is over the other. If the striking vehicle is over the other, then the crash is an override. If the striking vehicle is under the other, the crash is an underride.

**SAS Name:** **PIMPACT2**

**Attribute Codes****2010-  
Later**

0	Non-Collision
1-12	Clock points
13	Top
14	Undercarriage
18	Set-in-Motion (Not a Clock Point)
61	Left
62	Left-Front Half
63	Left-Back Half
81	Right
82	Right-Front Half
83	Right-Back Half
98	Not Reported
99	Unknown

---

**V29    Extent of Damage**

---

**Definition:** Reports the severity of the parked/working vehicle damage.

**Additional Information:**

**SAS Name:** PVEH\_SEV

**Attribute Codes**

**2008**

0	None
1	Minor ( <i>And Not Towed Due To Damage</i> )
2	Moderate
3	Severe
9	Unknown

**2009    2010-  
         Later**

0	0	No Damage
2	2	Minor Damage
4	4	Functional Damage
6	6	Disabling Damage
--	8	Not Reported
9	9	Unknown



**V30    Vehicle Removal**

---

**Definition:** Indicates the disposition of the vehicle at the crash scene.

**Additional Information:** Prior to 2009 only the power unit of an articulated combination was considered, i.e. if only the trailing unit was towed then PTOWED=Driven. Starting in 2009 the disposal status of the trailing unit is also considered.

**SAS Name:** **PTOWED**

**Attribute Codes**

<b>2008- 2009</b>	<b>2010- Later</b>	
1	1	Driven Away
2	2	Towed Due to Disabling Damage
3	3	Towed Not Due to Disabling Damage
4	4	Abandoned/Left at Scene
--	8	Not Reported
9	9	Unknown

**V32 Most Harmful Event**

---

**Definition:** This data element identifies the event that resulted in the most severe injury or, if no injury, the greatest property damage involving this motor vehicle.

**Additional Information:**

**SAS Name:** **PM\_HARM**

**Attribute Codes****2010-Later***NONCOLLISION*

- 1 Rollover/Overturn
- 2 Fire/Explosion
- 3 Immersion
- 4 Gas Inhalation
- 5 Fell/Jumped from Vehicle
- 6 Injured in Vehicle (*Non-Collision*)
- 7 Other Noncollision
- 16 Thrown or Falling Object
- 44 Pavement Surface Irregularity (*Ruts, Potholes, Grates, etc.*)
- 51 Jackknife (*Harmful to This Vehicle*)
- 72 Cargo/Equipment Loss or Shift (*Harmful to This Vehicle*)

*COLLISION WITH OBJECT NOT FIXED*

- 8 Pedestrian
- 9 Pedalcyclist
- 10 Railway Vehicle
- 11 Live Animal
- 14 Parked Motor Vehicle
- 15 Non-Motorist on Personal Conveyance
- 18 Other Object Not Fixed
- 45 Working Motor Vehicle
- 49 Ridden Animal or Animal Drawn Conveyance

*COLLISION WITH FIXED OBJECT*

- 17 Boulder
- 19 Building
- 20 Impact Attenuator/Crash Cushion
- 21 Bridge Pier or Support
- 23 Bridge Rail (*Includes Parapet*)
- 24 Guardrail Face
- 25 Concrete Traffic Barrier
- 26 Other Traffic Barrier
- 30 Utility Pole/Light Support
- 31 Other Post, Other Pole or Other Supports
- 32 Culvert
- 33 Curb
- 34 Ditch
- 35 Embankment
- 38 Fence

- 39 Wall
- 40 Fire Hydrant
- 41 Shrubbery
- 42 Tree (*Standing Only*)
- 43 Other Fixed Object
- 46 Traffic Signal Support
- 48 Snow Bank
- 50 Bridge Overhead Structure
- 52 Guardrail End
- 53 Mail Box
- 57 Cable Barrier
- 58 Ground
- 59 Traffic Sign Support

*COLLISION WITH MOTOR VEHICLE IN TRANSPORT*

- 54 Motor Vehicle In-Transport Strikes or is Struck by Cargo, Persons or Objects Set-in-Motion from/by Another Motor Vehicle In-Transport
- 55 Motor Vehicle in Motion Outside the Trafficway

*NOT REPORTED AND UNKNOWN*

- 99 Unknown

### The PARKEVNT Data File

The Parkevnt data file contains the data elements CASENUM, PSU, STRATUM, REGION, WEIGHT, and PJ. It also contains the data elements listed below. CASENUM is used to merge with crashes in the Accident data file. To merge with the Event data file, use CASENUM and EVENTNUM. To merge with the Person data file, use CASENUM and PVEHNO.

This data file was discontinued in 2010.

**Parked/Working Vehicle Number (discontinued)**

---

**Definition:** The identification number assigned to the parked/working vehicle.

**Additional Information:**

**SAS Name:** PVEHNO

**Attribute Codes**

*2008-Later*

1-30 Parked/Working Vehicle Number

---

**Parked/Working Vehicle Event Number (discontinued)**

---

**Definition:** The number of the event that the parked/working vehicle was involved in.

**Additional Information:** The Event and Parkevnt data files can be merged by CASENUM and EVENTNUM to get a listing of all events in which parked/working vehicles were involved. This listing can identify the specific vehicles involved (in-transport and parked/working) along with the general area of damage for both types of vehicle.

**SAS Name:** **EVENTNUM**

**Attribute Codes**

***2008-Later***

- x Event Number that the parked/working vehicle was involved in

---

**Parked/Working Vehicle Point of Impact (discontinued)**

---

**Definition:** Indicates the impact point that produced property damage or personal injury for the parked/working vehicle involved in the event.

**Additional Information:**

**SAS Name:** PGAD

**Attribute Codes**

**2008-2009**

- |    |                         |
|----|-------------------------|
| 1  | Front                   |
| 2  | Right Side              |
| 3  | Left Side               |
| 4  | Back                    |
| 5  | Top                     |
| 6  | Undercarriage           |
| 11 | Front Right Corner      |
| 12 | Front Left Corner       |
| 13 | Back Right Corner       |
| 14 | Back Left Corner        |
| 99 | Point of Impact Unknown |

**2010-Later**

- |       |                  |
|-------|------------------|
| 21-32 | Clock Points     |
| 33    | Top              |
| 34    | Undercarriage    |
| 61    | Left             |
| 62    | Left-Front Half  |
| 63    | Left-Back Half   |
| 81    | Right            |
| 82    | Right-Front Half |
| 83    | Right-Back Half  |
| 97    | Not Reported     |
| 99    | Unknown          |

## Appendices

### *Appendix A: Vehicle Make/Model Designation*



## Appendix A: Vehicle Make/Model Designation

### 01 AMERICAN MOTORS

CODE	MODEL	INCLUDES	YEAR
001	Rambler/American	Rogue, Scrambler, 220, 440,	all
002	Rebel/Matador	Barcelona Classic Brougham, 550, 660, 770, Matador (-78), Marlin	all
003	Ambassador	Brougham, DPL, SST, DL, Limited, 880, 990	all
004	Pacer	Limited, DL	75-80
005	AMX	(2 seater only)	68-70
006	Javelin	SST, AMX (71-74)	all
007	Hornet/Concord	Sportabout, Limited, DL, SC-360, SST, AMX (75-78)	all
008	Spirit/Gremlin	Limited, DL, Custom, X, GT (83-on), AMX (79-on)	all
009	Eagle	Concord based	80-87
010	Eagle SX-4	Spirit Gremlin based	81-84
398	Other automobile		-
399	Unknown automobile		-
998	Other vehicle		-
999	Unknown vehicle		-

Note: Alliance, Encore, Premier- See Renault - Code "46"

**02 JEEP (Includes KAISER-JEEP)**

CODE	MODEL	INCLUDES	YEAR
001	Compass		-
398	Other automobile		-
399	Unknown automobile		-
401	CJ-2/CJ-3/CJ-4	Military	-66
402	CJ-5/CJ-6/CH-7/ CH-8	Scrambler, Golden Eagle, Renegade, Laredo, Wrangler	67-on
403	YJ-series	Wrangler	86-on
404	Cherokee (84-on)	Limited, Laredo, Pioneer, Briarwood, Grand	84-on
405	Liberty		2002
406	Commander		-
407	Patriot		-
421	Cherokee (-83)	Wide Track, Chief, Commando, Jeepster	all
431	Grand Wagoneer	Custom, Brougham Limited, Wagoneer	71-91
481	Pickup	J-10, J-20, Honcho	all
482	Comanche	Chief	86-92
498	Other light truck		-
499	Unknown light truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**03 AM GENERAL**

<b>CODE</b>	<b>MODEL</b>	<b>INCLUDES</b>	<b>YEAR</b>
401	Dispatcher	Post Office (Jeep)	all
402	Hummer H3		-
421	Hummer		93-on
466	Dispatcher	DJ-series-Post Office Van	all
498	Other light truck		-
499	Unknown light truck		-
884	Medium/Heavy truck	Military off-road	-
898	Other medium-heavy truck		-
899	Unknown medium/heavy truck		-
950	Bus based Motorhome		-
983	Bus flat front (rear engine) Transit		-
988	Other bus		-
989	Unknown bus		-
998	Other vehicle		-
999	Unknown vehicle		-

**06 CHRYSLER**

CODE	MODEL	INCLUDES	YEAR
009	Cordoba	Crown, 300, LS	75-83
010	New Yorker/Newport/ Fifth Avenue/Imperial	Custom, Royal, Brougham, Town and Country, 300 (-71) (excludes all FWD)	all
013	Rampage 2.2 (Car Based Pickup)	GT, Sport	-
014	New Yorker/E Class/ Imperial (90-93)/Fifth Avenue	FWD vehicles, Turbo	83-on
015	Laser	Turbo, XE, XT	84-86
016	LeBaron	Medallion, Salon(RWD), Landau, LX, FWD except GTS or GTC Sport Coupe	77-on
017	LeBaron GTS/GTC	GTS-Turbo GTC-Sport Coupe	85-on 87-on
018	Intrepid (Canadian made)		-
019	Neon (export)		-
031	TC (Maserati Sport)	Turbo Convertible	88-91
035	Conquest	TSi, Turbo	87-89
041	Concorde		93-on
042	LHS	New Yorker (94-on)	94-on
043	Sebring		95-on
044	Cirrus		95-on
051	300M		-
052	PT Cruiser		2001-on
053	Prowler		-
054	Pacifica		-
055	Crossfire		-
398	Other automobile		-
399	Unknown automobile		-
421	Aspen		-
441	Town and Country	Minivan	90-on
442	Voyager		2002
498	Other light truck		-
499	Unknown light truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**07 DODGE**

CODE	MODEL	INCLUDES	YEAR
001	Dart	Custom, Swinger, Sport, GT, Demon, Special, Special Edition, 170,270,340,360	62-76
002	Coronet/Charger(-78)/Magnum	Brougham, Custom, Superbee, Crestwood, Deluxe, XE, R/T, SE, 440, 500, Police	-79
003	Polara/Monaco Royal Monaco	Custom, Special, Crestwood, Brougham, Police, Taxi	-78
004	Viper	RT/10, GTS	92-on
005	Challenger	R/T, T/A, Rallye	70-74
006	Aspen	Custom, Special Edition, Police, R/T, Sport	76-80
007	Diplomat	Medallion, Salon, S	77-89
008	Omni/Charger (83 on)	024, DeTomaso Miser, GLH, GLHS, Shelby, Charger 2.2, America, Expo	78-90
009	Mirada		80-83
010	St. Regis	Police, Taxi	79-81
011	Aries (K)	Custom, SE, LE	81-89
012	400	LS	82-83
013	Rampage (car based pickup)	2.2, GT, Sport	82-84
014	600	ES, Turbo	83-88
015	Daytona	Turbo Z, Shelby Z Pacifica, C/S Competition, IROC R/T	84-94
016	Lancer	Pacifica, Turbo, ES, Shelby	85-89
017	Shadow	ES, Turbo	87-on
018	Dynasty		88-on
019	Spirit	ES, Shelby, RT	89-94
020	Neon	Expresso	94-on
021	Magnum		-
024	Charger (2006+)		-
025	Caliber		-
026	Avenger		-
027	Journey	SE, SXT, R/T	2009-on
028	Challenger (2008+)		2008-on
033	Challenger	all imported	78-83
034	Colt (excludes Vista)	RS, Turbo, Custom, GTS, DL, E, Premier, Deluxe, Carousel, GT	74-94
035	Conquest	Turbo	84-86

07 DODGE (continued)

039	Stealth		91-on
040	Monaco		90-92
041	Intrepid		93-on
042	Avenger		95-on
043	Stratus		95-on
398	Other automobile		-
399	Unknown automobile		-
401	Raider	Sport	86-on
403	Nitro		-
421	Ramcharger		all
422	Durango		98-00
441	Vista	4x4	84-91
442	Caravan	Mini-Ram, SE, ES	84-on
461	B-series vans	Sportsman, Royal, Maxiwagon, Ram B150-B350, Tradesman	all
462	Sprinter		-
470	Van derivative	Kary Van	all
471	D50, Colt P/U, RAM50/RAM 100		all
472	Dakota		87-on
481	D, W-series pickup	Ram, Custom, Royal, Miser, D100-D350, W100-W350	all -
482	Ram	1500/2500/3500 P/U	94-on
498	Other light truck		-
499	Unknown light truck		-
850	Truck based motorhome		-
881	Medium/Heavy	CBE	all
882	Medium/Heavy	COE	
low entry	all		
883	Medium/Heavy	COE	
high entry	all		
884	Medium/Heavy		unknown
engine location		-	
890	Medium/Heavy	COE	
entry position unknown		-	
898	Other medium/heavy truck		-
899	Unknown Medium/heavy truck		-
950	Bus based motorhome		-
981	Medium bus		(not van
based)	-		

**07 DODGE (continued)**

988	Other bus	-
989	Unknown bus	-
998	Other vehicle	-
999	Unknown vehicle	-

**08 IMPERIAL**

<b>CODE</b>	<b>MODEL</b>	<b>INCLUDES</b>	<b>YEAR</b>
010	Imperial	Lebaron Mark Cross, Frank Sinatra editions	-76 81-83
398	Other automobile		-
399	Unknown automobile		-
998	Other vehicle		-
999	Unknown vehicle		-



**09 PLYMOUTH**

CODE	MODEL	INCLUDES	YEAR
001	Valiant/Duster (-76)/ Scamp	100, 200, Brougham, Signet, Custom, Special 340/360, 340, 360, Twister	-76
002	Satellite/Belvedere	Belvedere I/II, GTX, Roadrunner (-74), Sebring, Sebring Plus, Superbird, Brougham	-74
003	Fury	I, II, III, Roadrunner (75), Salon, VIP, Sport, Suburban	-74 75-78
004	Gran Fury	Sedan, Brougham, Custom Sport, Suburban	75-89
005	Barracuda	Formula, S, 340, AAR, Cuda, Gran Coupe	65-74
006	Volaré	Custom, Premier, Roadrunner (76-on), Police	76-80
007	Caravelle	Turbo, SE	85-89
008	Horizon	TC-3, Miser, Turismo 2.2, Custom, SE, Duster (85-on), America, Expo	78-90
011	Reliant (K)	SE, LE	81-89
013	Scamp (car based pickup)	GT, 2.2	82-84
017	Sundance	Turbo	87-on
019	Acclaim	LX, LE	89-on
020	Neon	Expresso	94-on
031	Cricket		71-72
032		Arrow	Fire Arrow,
GS, GT	76-80		
033		Sapporo	all
imported	78-83		
034	Champ/Colt (excludes Vista)	Turbo, Custom-Station Wagon (84-on)	79-94
035	Conquest	TSi	84-89
038	Breeze		96-on
039	Prowler		96-on
037	Laser	RS, Turbo	89-on
398	Other automobile		-
399	Unknown automobile		-
421	Trailduster		all
441	Vista	4x4	87-on
442	Voyager (minivan)	SE, LX	84-on
461	Van-fullsize (B-series)	Voyager, Sport, Premier	all
471	Arrow pickup (foreign)		all

**09 PLYMOUTH (continued)**

498	Other light truck	-
499	Unknown light truck	-
998	Other vehicle	-
999	Unknown vehicle	-

**10 EAGLE**

<b>CODE</b>	<b>MODEL</b>	<b>INCLUDES</b>	<b>YEAR</b>
034	Summit	DL, LX, ES	89-on
037	Talon	TSI	90-on
040	Premier	LX, ES	88-92
041	Vision		93-on
044	Medallion	DL, LX	88-90
398	Other automobile		-
399	Unknown automobile		-
441	Summit Wagon		92-on
498	Other light truck		-
499	Unknown light truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**12 FORD**

CODE	MODEL	INCLUDES	YEAR
001	Falcon	Sprint, GT, Futura	-70
002	Fairlane	Torino thru 1970	-70
003	Mustang/Mustang II	Mach, Boss, Granada, Cobra, Ghia, SVO, GT, LX, Shelby	65-on
004	Thunderbird (all sizes)	Landau, Heritage, Turbo coupe, Elan, Fila, Sport, LX, SC	55-on
005	LTD II	S, Squire, Brougham	77-79
006	LTD/Custom/Galaxie (all sizes)	XL, Landau, Ranch Wagon, Country Squire, S, 500, Brougham, XL GT	65-on
007	Ranchero	Falcon/Fairlane based Torino/LTD II based	-71 72-79
008	Maverick	Grabber	70-78
009	Pinto	Pony, MPG, ESS	71-80
010	Torino/Gran Torino/Elite	GT, Cobra, Sport, Squire, Brougham	71-76
011	Granada	ESS, Ghia	75-82
012	Fairmont	Futura, Sport Coupe	78-83
013	Escort/EXP	L, GL, GLX, SS, GT, LX, ZX2	81-on
015	Tempo	L, GL, GLX, Sport, 4x4	84-94
016	Crown Victoria		81-on
017	Taurus/Taurus X	MT-5, L, GL, LX, SHO	86-on
018	Probe	GL, LX, GT	88-on
021	Five Hundred		-
022	Freestyle		-
023	Fusion		-
024	Edge		-
025	Flex	Includes SE, SEL, Limited	2009-on
031	English Ford	Cortina	60-on
032	Fiesta	Sport, Ghia	78-80
033	Festiva		88-93
034	Laser		93-on
035	Contour		94-on
036	Aspire		94-on
037	Focus		-
038	GT		-
398	Other automobile		all
399	Unknown automobile		-

**12 FORD (continued)**

401	Bronco II/Bronco (-77) Explorer	Eddie Bauer, XL, XLT Explorer (90-on)	83-on
402	Escape		2001
421	Bronco-fullsize	Eddie Bauer, Custom, XL, XLT	78-on
422	Expedition		97-on
431	Excursion		2000
441	Aerostar		XLT,
	Cargo Van 86-on		
442	Windstar		94-on
443	Freestar		-
444	Transit Connect		2010-on
461	E-series vans	Econoline, Clubwagon, Chateau, E150-E350	all
470	Van derivative	i.e: parcel van	all
471	Ranger	Supercab, 4x4, STX, Splash	82-on
472	Courier	Imported pickup	all
473	Sport Trac		2001
481	F-series pickup	F-100 - F-350	all
498	Other light truck		-
499	Unknown light truck		-
850	Truck based motorhome		-
880	F450/550 Pickup > 4,536 GVW		-
881	Medium/Heavy	CBE	F-5 thru F-
	8 L-series, FT-series	all	
882	Medium/Heavy	COE	C/CT
	series, low entry	all	
883	Medium/Heavy	COE	C/CLT
	series, high entry	all	
884	Medium/Heavy	unknown engine location	-
890	Medium/Heavy	COE	entry
	position unknown	-	
898	Other medium/heavy		truck -
899	Unknown medium/heavy	truck	-
950	Bus based motorhome		-
981	Medium bus	B-series (not van based)	all
988	Other bus		all
989	Unknown bus		-
998	Other vehicle		-
999	Unknown vehicle		-

**13 LINCOLN**

<b>CODE</b>	<b>MODEL</b>	<b>INCLUDES</b>	<b>YEAR</b>
001	Continental/Town Car	Continental (-81), Town Car (82 on)	all 82-on
002	Mark	I, II, III, IV, V, VI, VII, LSC, VIII All Signature/ Designer Series	all
005	Continental (82-on)	All Signature/Designer Series	-
011	Versailles		77-80
012	LS		2000
013	Zephyr/MKZ		-
014	MKX		-
015	MKS		-
016	MKT		2009-on
398	Other automobile		-
399	Unknown automobile		-
401	Aviator		-
421	Navigator		97-on
481	Blackwood		2002
482	Mark LT		-
498	Other Light Truck		97-on
499	Unknown Light Truck		97-on
998	Other vehicle		-
999	Unknown vehicle		-

**14 MERCURY (MERKUR: See 56)**

CODE	MODEL	INCLUDES	YEAR
002	Cyclone	GT, CJ, Spoiler	-71
003	Capri-domestic	RS, Turbo, GS, Black Magic	79-86
004	Cougar/XR7	XR-7, RS, LS, GS, Eliminator, Brougham, Villager, (includes all body styles)	67-on
006	Marquis/Monterey	Marauder, X-100, Parklane, S-55, Custom, Brougham, Montclair, Grand Marquis	55-on
008	Comet	Caliente, GT, Voyager, 202, Capri (66-67)	62-77
009	Bobcat	Runabout, Villager	75-80
010	Montego	Comet (68-70), GT, MX, Villager, Brougham	67-76
011	Monarch	Ghia	75-80
012	Zephyr	GS, Z-7	78-83
013	Lynx/LN-7 (82-83)	L, LS, GS, RS, XR-3	81-87
015	Topaz	L, LS, GS, 4x4	84-on
017	Sable	LS, GS	86-on
020	Montego (2005+)		-
021	Milan		-
031	Capri-foreign	Capri II, 2+2	70-77
033	Pantera	de Tamaso	72-74
036	Tracer	L, GL	88-on
037	Mystique		94-on
038	Cougar		-
039	Marauder		-
398	Other automobile		-
399	Unknown automobile		-
401	Mountaineer		96-on
402	Mariner		-
443	Villager	LS, GS	93-on
444	Monterey		2004-on
498	Other light truck		-
499	Unknown light truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**18 BUICK**

CODE	MODEL	INCLUDES	YEAR
001	Special/Skylark	GS, GS-350, GS-400, GS-455, GS, California, Sport wagon, Custom	-72
002	LeSabre/Centurion/Wildcat	Estate Wagon, Luxus, Invicta, Custom, Limited T-Type	55-on
003	Electra, Electra 225, Park Avenue (91-on)	Limited, Park Avenue, Ultra	60-on
004	Roadmaster	Estate Wagon, Limited	91-on
005	Riviera	S-Type, T-Type	63-on
007	Century	Luxus, T-Type Luxus, T-Type, FWD (82-on), Custom, Regal (72-77)	72-on
008	Apollo/Skylark	Skylark (75), S/R	73-76
010	Regal	Turbo, Luxus, Grand National, GNX, T-Type	78-88
012	Skyhawk	S-Type, Roadhawk, T-Type, GT	75-89
015	Skylark (76-85)	(except 75), S/R, S, Limited, Sport, T-Type	-85
018	Somerset/Skylark	Skylark (86-on), Somerset GS, Regal, Custom, Limited, T-Type	85-on
020	Regal (FWD)	Limited	88-on
021	Reatta		88-91
022	Lacrosse		-
023	Lucerne		-
024	Enclave		-
031	Opel Kadett		-75
032	Opel Manta	1900, Luxus, Rallye, Sports Coupe	-75
033	Opel GT		-75
034	Opel Isuzu	Deluxe, Sport	76-79
398	Other automobile		-
399	Unknown automobile		-
401	Rendezvous		2002
402	Rainier		-
441	Terraza		-
498	Other Light Truck		-
499	Unknown Light Truck		-
998	Other vehicle		-
999	Unknown vehicle		-



**19 CADILLAC**

<b>CODE</b>	<b>MODEL</b>	<b>INCLUDES</b>	<b>YEAR</b>
003	Deville/Fleetwood (except Limousine)	Coupe de Ville, Sedan de Ville, Fleetwood, Brougham, Fleetwood, 60 Special, etc. d'Elegance, Concourse	all
004	Limousine	Fleetwood 75, Formal de Ville based	all
005	Eldorado	Biarritz, El-doro, Touring Coupe	67-on
006	Commercial Series	Ambulance/Hearse	all
009	Allanté		87-on
014	Seville	Elegante, STS	76-on
016	Cimarron	D'oro	82-88
017	Catera	RWD	97-on
018	CTS		2003
019	XLR		-
020	SRX		-
021	STS		-
022	DTS		-
398	Other automobile		-
399	Unknown automobile		-
421	Escalade		-
431	Ecalade ESV		-
480	Escalade EXT (Data years 2005 and earlier)		-
481	Escalade EXT (Data years 2006 and beyond)		-
498	Other Light Truck		-
499	Unknown Light Truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**20 CHEVROLET**

CODE	MODEL	INCLUDES	YEAR
001	Chevelle/Malibu	Classic, Concours, S-3, Laguna, Nomad, 300, Greenbriar, Estate, Deluxe, SS 396/454	64-83
002	Impala/Caprice	Biscayne, Belair, Super Sport, Classic, Classic Brougham, Townsman, Brookwood, Kingswood	55-on
004	Corvette	Stingray	53-on
006	Corvair	Corvair Monza, 500, Corvair Spyder, Corsa, Yenko	60-69
007	El Camino	Royal Knight, SS	59-on
008	Nova (-79)	Chevy II, LN, LE, Concours SS-350/396, Rally	62-79
009	Camaro	SS, RS, LT, Berlinefta, IROC-Z, Z28	67-on
010	Monte Carlo (RWD)	LS, SS, Aerocoupe, Landau	70-88
011	Vega	GT, Cosworth	71-77
012	Monza	Spyder, 2+2, Towne Coupe	75-80
013	Chevette	S, Scooter, CS	76-87
015	Citation	X-11, Citation II	80-85
016	Cavalier	CS, RS, Z24, LS	82-on
017	Celebrity	CS, Eurosport, VR	82-on
019	Beretta/Corsica	GT	87-on
020	Lumina	(GM-10 based), Z-34, Euro	90-on
022	Cobalt		-
023	HHR		-
024	Traverse	LS, LT, LTZ	2009-on
025	Cruze	Applicable Body Types: 02,04	2011-on
026	Volt	Body Type 5	2011-on
031	Spectrum		85-on
032	Nova/GEO Prizm	CL, NUMMI-built vehicles	85-on
033	Sprint/GEO Sprint		85-on
034	GEO Metro	LSi, XFi	89-on
035	GEO Storm	GSi	85-on
036	Monte Carlo (FWD only)	Z34	95-on
037	Malibu		97-on
038	SSR		-
039	Aveo		-
398	Other automobile		-
399	Unknown automobile		-

**20 CHEVROLET (continued)**

401	S-10 Blazer, Blazer	S-10 p/u based	83-on
402	GEO Tracker	LSi	89-on
403	Trailblazer		2002-on
404	Equinox		
421	Fullsize Blazer, Tahoe	K-series, fullsized p/u based	69-on
431	Suburban	All models	all
441	Astro Van	Minivan	85-on
442	Lumina APV/Venture		90-on
443	Ventura		97-on
444	Uplander		-
461	G-series van	Beauville, Chevy Van, Sport Van, G10-G30, Express	all
466	P-series van		all
470	Van derivative	Hi-cube, Parcel Van	all
471	S-10/T-10	4x4	82-on
472	LUV	Imported pickup	all
473	Colorado		-
481	C, K, R, V-series pickup	C10-C30, K10-K30, R10-R30, V10-V30, Silverado, C-K1500, 2500, 3500	all
482	Avalanche		2002
498	Other light truck		-
499	Unknown light truck		-
850	Truck based motorhome		-
881	Medium/Heavy CBE	C50/60/65, M60/65, H70/80/90, J70/80/90, Bison 90, all other CBE	all
882	Medium/Heavy COE low entry	T60/65, all other COE low entry	all
883	Medium/Heavy COE high entry	Titan 90, all other COE high entry	all
884	Medium/Heavy	Unknown engine location	-
890	Medium/Heavy	Unknown engine location, MKIII, 1500	-
898	Other medium/heavy truck		-
899	Unknown medium/heavy truck		-
950	Bus based motorhome		-
981	Bus	S-60 series	all
988	Other bus		-
989	Unknown bus		-
998	Other vehicle		-
999	Unknown vehicle		-

**21 OLDSMOBILE**

CODE	MODEL	INCLUDES	YEAR
001	Cutlass (RWD-only)	Supreme, S, LS, Salon Brougham, Vista Cruiser, F85 (thru 72), Rallye 350, Hurst Olds, 442, Calais, Classic (88)	62-88
002	Delta 88	Royale, Custom, Delta, Jetstar 88, Delmont 88, Starfire (thru 66), Custom Cruiser	all
003	Ninety-Eight	Regency, Luxury	all
005	Toronado	XSR, Trofeo, Brougham Custom	66-92
006	Commercial Series	Ambulance/Hearse	all
012	Starfire	SX,GT	75-80
015	Omega	X body type FWD, RWD	75-85
016	Firenza	S, LS, SX, Cruiser, GT	82-88
017	Ciera	Cutlass Ciera, Brougham, ES	82-on
018	Calais	GT, ES, 500	85-91
020	Cutlass (FWD)	Supreme	88-on
021	Achieva	SC	92-on
022	Aurora		94-on
023	Intrigue		-
024	Alero		-
398	Other automobile		-
399	Unknown automobile		-
401	Bravada		91-on
441	Silhouette		90-on
498	Other light truck		-
499	Unknown light truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**22 PONTIAC**

CODE	MODEL	INCLUDES	YEAR
001	Lemans Tempest (-79)	Safari, T-37, Luxury, Grand Sport, GTO (-73), GT-37, Sprint, Judge, Grand AM (73-75), Grand Lemans	62-79
002	Bonneville/Catalina/Parisienne	Brougham, Grand Safari, Safari, Grandville, 2+2 Executive, Starchief SE, SSE, SSEi, Parisienne	all
005	Fiero	2M4, 2M6, GT, SE	84-88
008	Ventura	II, SJ, Sprint, GTO (74-on), Custom	71-77
009	Firebird/Trans AM	Esprit, Formula, GTA, Redbird, Yellowbird, Skybird, SE	67-on
010	Grand Prix (RWD)	J, LJ, SJ, Brougham, 2+2	63-87
011	Astre	Safari, SJ, Custom	75-77
012	Sunbird (thru 80)	Safari, Sport, Formula	76-80
013	T-1000/1000		81-87
015	Phoenix	LJ, SJ	77-84
016	J2000/2000/Sunbird Sunfire	Sunbird (84-on), LE, SE, GT, Convertible, GT/SE	82-on
017	6000	STE, SE, LE	82-on
018	Grand AM	SE, LE	all
019	G5		-
020	Grand Prix (FWD)	SE, McLaren Turbo, GTP	88-on
022	G6		-
023	Solstice		-
024	G8	Includes GT	2008-on
025	G3		2009-on
031	Lemans (88-on)	SE, Tempest (Canadian)	88-on
032	Vibe	Includes GT, AWD	2003-on
398	Other automobile		-
399	Unknown automobile		-
401	Aztek		2001
403	Torrent		-
441	Trans Sport/Montana		90-on
498	Other light truck		-
499	Unknown light truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**23 GMC**

CODE	MODEL	INCLUDES	YEAR
007	Caballero/Sprint	Sierra Madre del Sur, SP	65-on
008	Acadia		-
398	Other automobile		-
399	Unknown automobile		-
401	Jimmy/Typhoon/Envoy	S15 based	83-on
402	Terrain	SLE, SLT	2009-on
421	Fullsize Jimmy Yukon	fullsize pickup based	all
431	Suburban	all models	all
441	Safari (minivan)		86-on
461	G-series van	Rally Van, Vandura, G15-G35, Savana	all
466	P-series van		all
470	Van derivative	Hicube, parcel van, Value Van, Magna Van	all
471	S15/TI5/Sonoma	Includes 4x4, Cyclone	82-on
472	Canyon		-
481	C, K, R, V-series pickup	C15-35, K15-35, R15-35, V15-35, Sierra	all
498	Other light truck		-
499	Unknown light truck		-
850	Truck based motorhome		-
881	Medium/Heavy CBE	W5000/6000/7000 series, Brigadier/General models	all
882	Medium/Heavy COE low entry	W6000/W7000, all other COE, low entry	all
883	Medium/Heavy COE high entry	Astro 95, all other COE, high entry	all
884	Medium/Heavy	Unknown engine location	-
890	Medium/Heavy COE	entry position unknown	-
898	Other medium/heavy truck		-
899	Unknown medium/heavy truck		-
950	Bus based motorhome		-
981	Bus	B6000	all
988	Other Bus		-
989	Unknown bus		-
998	Other vehicle		-
999	Unknown vehicle		-

**24 SATURN**

CODE	MODEL	INCLUDES	YEAR
001	SL	SL1, SL2, SL3	91-on
002	SC	SC1,SC2	91-on
003	SW	SW1, SW2	93-on
004	EV1	(electric vehicle)	97-on
005	LS/LS1/LS2/L100/L200/L300		2000
006	LW/LW1/LW2/LW200/LW300		2000
007	Ion		-
008	Sky		-
009	Aura		-
010	Outlook	XE, XR (Body Type = S/W)	
011	Astra	XE, XR, Sport (Body Types: 03 & 05)	
398	Other automobile		-
399	Unknown automobile		-
401	Vue		2002
441	Relay		-
498	Other light truck		-
499	Unknown light truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**25 GRUMMAN**

CODE	MODEL	INCLUDES	YEAR
441	LLV	Postal vehicle	all
442	Step-in van	Multi-stop, step van	all
498	Other light truck		-
499	Unknown light truck		-
850	Truck based motorhome		-
881	Medium/Heavy CBE		all
882	Medium/Heavy COE low entry		all
883	Medium/Heavy COE high entry		all
884	Medium/Heavy Unknown engine location		-
890	Medium/Heavy COE entry position unknown		-
898	Other medium/heavy truck		-
899	Unknown medium/heavy truck		-
983	Bus-flat front, rear engine	Transit	all
988	Other bus		-
989	Unknown bus		-
998	Other vehicle		-
999	Unknown vehicle		-



**29 OTHER DOMESTIC MANUFACTURER**

<b>CODE</b>	<b>MODEL</b>	<b>INCLUDES</b>	<b>YEAR</b>
001	Studebaker/Avanti	Lark, Gran Turismo, Hawk, Cruiser, all associated subseries	-66
002	Checker	Marathon, Superba, Taxi, Aerobus	-82
398	Other make	Desoto, Excaliber, Stutz, Hudson, Packard, Consulier	all
399	Unknown make		-
498	Other Light Truck		-
898	Other Medium/Heavy Truck		-
988	Other Bus		-
998	Other vehicle		-

**30 VOLKSWAGEN**

CODE	MODEL	INCLUDES	YEAR
031	Karmann Ghia		-74
032	Beetle 1300/1500	flat windshield	-77
033	Super Beetle	distinguished by curved windshield	71-80
034	411/412	Squareback/Fastback	71-74
035	Squareback/Fastback	Type 3, 1600	-74
036	Rabbit	L, GTI, Sport, LS, Custom, DL, Deluxe	75-84
037	Dasher		74-81
038	Scirocco	16V	75-88
040	Jetta	GL, GLI	80-92
041	Quantum	Synco	82-88
042	Golf	Synco, GTI, Cabriolet, GT, GL	85-92
043	Rabbit pickup	car based pickup	80-83
044	Fox	GL	87-on
045	Corrado		89-on
046	Passat	GL, GLS (1.8T, Synchro, V6), TDI, GLX (1.8T, 2.0T, W8, Synchro, V6), 4 Motion, 3.6 GL	90-on
047	Jetta III		93-on
048	Golf III		93-on
049	New Beetle		1988
050	Phaeton		-
051	EOS		-
398	Other automobile		-
399	Unknown automobile		-
401	The Thing (181)		73-75
402	Tiguan		2008-on
421	Touareg		-
441	Vanagon/Camper	Bus, Kombi, Van	all
442	Eurovan		92-on
443	Routan	S, SE, SEL Premium/RSE	2009-on
498	Other light truck		-
499	Unknown light truck		-
998	Other Vehicle		-
999	Unknown vehicle		-

**31 ALFA ROMEO**

CODE	MODEL	INCLUDES	YEAR
031	Spider	All roadsters, Veloce, 1750/2000 roadsters	all
032	Sports Sedan	All 4 door sedans Milano (86), Giulia, Super, Berlina, Alfetta, 1750/2000 sedans	all
033	Sprint Veloce	All 2-door coupes Alfetta GT, 1750/2000 GTV, Sprint GT	all
034	GTV-6		81-on
035	164		89-on
398	Other automobile		-
399	Unknown automobile		-
998	Other vehicle		-
999	Unknown vehicle		-

**32 AUDI**

CODE	MODEL	INCLUDES	YEAR
031	Super 90		70-72
032	100/A6	S, LS, GL, Quattro (89 on)	70-77 89 on
033	Fox		74-79
034	4000	Quattro, Coupe GT, CS, S	80-88
035	5000	Quattro, CS, S, Turbo	78-88
036	80/90	Quattro	88-95
037	200	Quattro	88-92
038	V-8 Quattro		90-94
039	Coupe Quattro		90-93
040	S4/S6		93-on
041	Cabriolet		94-on
042	A4		96-on
043	A3		96-on
044	A8		96-on
045	TT		2000
046	S8		2001
047	Allroad		2001
049	A5		-
050	R8		2008-on
398	Other automobile		-
399	Unknown automobile		-
401	Q7		-
402	Q5		
498	Other Light Truck		
998	Other vehicle		-
999	Unknown vehicle		-

**33 AUSTIN/AUSTIN HEALEY**

CODE	MODEL	INCLUDES	YEAR
031	Marina	GT	all
032	America		all
033	Healey Sprite		all
034	Healy 3000	Healy 100	all
035	Mini		all
398	Other automobile		-
399	Unknown automobile		-
998	Other vehicle		-
999	Unknown vehicle		-

**34 BMW**

CODE	MODEL	INCLUDES	YEAR
031	1600, 2000	Tii, 1800, 2000S	-76
032	Coupe	2800CS, 3.0CS	69-76
033	Bavaria Sedan	2500, 2800	69-74
034	3-series	318i, 318ti, 320i, 325e, 325es, 325i, 328, M3	77-on
035	5-series	524i, 528i, 530i, 533i, 535i, TD 525i (wagon), M5, 540iA, 540i	75-on 77-on
036	6-series	630, 633, 635, csi, M6	-
037	7-series	733i, 735i, L7, 740i, 750iL	78-on
038	8-series	850, 840ic	90-on
039	Z3	M Coupe (Brickland)	96-on
040	Z8		-
041	V5		-
042	Z4		-
043	1 Series	128i, 135i	2008-on
044	X6		2008-on
398	Other automobile		-
399	Unknown automobile		-
401	X5	4WD	2000
402	X3		-
498	Other Light Truck		-
499	Unknown Light Truck		-

***Motorcycles***

CODE	MODEL	
701	0-50cc	-
702	51-124cc	-
703	125-349cc	-
704	350-449cc	-
705	450-749cc	-
706	750cc-over	-
709	Unknown cc	-
799	Unknown motored cycle	-
998	Other Vehicle	-
999	Unknown vehicle	-

**35 NISSAN/DATSUN**

CODE	MODEL	INCLUDES	YEAR
031	F10		77-78
032	200/240 SX		78-on
033	1200/210/B210	Honeybee	71-82
034	Z-car, ZX	240/260/280Z, 300 ZX, Turbo, 2+2	70-on
035	310		79-82
036	510	PL	68-73 78-81
037	610	PL	73-76
038	710	PL	74-77
039	810/Maxima		77-on
040	Roadster	SPL 311, SRL 311, 1600, 2000, convertible	-70
041	PL 411, RL 411		-67
042	Stanza	XE	82-92
043	Sentra		83-on
044	Pulsar	NX, EXA (86-on)	83-90
045	Micra		87-on
046	NX1600/2000		92-on
047	Altima		93-on
048	350Z/370Z		-
049	Murano		-
050	Versa		
051	Rogue	Includes S, SL	2008-on
052	Cube		2010-on
053	GT-R		2009-on
055	Leaf		2011-on
398	Other automobile		-
399	Unknown automobile		-
401	Pathfinder	MPV, 4 x 4	86-on
402	Xterra		2000
403	Juke		2011-on
421	Armada		-
441	Van	XE, GXE	87-on
442	Axxess		89-90
443	Quest		93-on
444	Altra EV	Electric vehicle	1998-2005
445	NV	Body Types 21 & 22	2011-on

**35 NISSAN/DATSUN (continued)**

471	Datsun/Nissan Pickup/Frontier	PL620, King Cab, Hardbody	73-on
473	Titan (Data year 2008)		-
481	Titan (Data years 2006 and beyond)		-
498	Other light truck	Patrol	(1960)
499	Unknown light truck		-
883	Medium/Heavy COE	high entry	all
898	Other medium/heavy truck		all
899	Unknown medium/heavy truck		-
998	Other vehicle		-
999	Unknown vehicle		-



**36 FIAT**

CODE	MODEL	INCLUDES	YEAR
031	124 (Coupe/Sedan)	Sport	67-75
032	124 Spider/Racer	Spider 2000/1500	68-83
033	Brava - 131		75-82
034	850 (Coupe/Spyder)		67-73
035	128		72-79
036	X-1/9		75-83
037	Strada		79-83
398	Other automobile	600, 1100	all
399	Unknown automobile		-
882	Medium/Heavy COE	low entry	all
883	Medium/Heavy COE	high entry	all
890	Medium/Heavy COE	entry position unknown	-
898	Other medium/heavy truck		all
899	Unknown medium/heavy truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**37 HONDA (ACURA: See 54)**

CODE	MODEL	INCLUDES	YEAR
031	Civic/CRX	1300, 1500, CVCC, DX, EX, VX, S, Si, HF, 4WD Wagon, del Sol	73-on
032	Accord	LX, CVCC, SE-i, LX-i, EX, EX Wagon	76-on
033	Prelude	Si	80-on
034	600	Coupe, Sedan	all
035	S2000		-
037	Insight		-
038	FCX		2004-on
039	Fit		-
398	Other automobile	all Hondas not listed above	-
399	Unknown automobile		-
401	Passport		94-on
402	CR-V		-
403	Data element		-
421	Pilot		-
441	Odyssey		95-on
471	Ridgeline		-
498	Other Light Truck		94-on
499	Unknown Light Truck		94-on

***Motorcycles***

CODE	MODEL	
701	0-50cc	-
702	51-124cc	-
703	125-349cc	-
704	350-449cc	-
705	450-749cc	-
706	750cc-over	-
709	Unknown cc	-

**37 HONDA (continued)****All Terrain Cycles/Vehicles****(Model codes 731–739 are designed solely for off-road use)**

<b>CODE</b>	<b>MODEL</b>	
731	0-50cc	-
732	51-124 cc	-
733	125-349 cc	-
734	350cc or greater	-
739	Unknown cc	-
798	Other Motorcycle	-
799	Unknown motored cycle	-
998	Other vehicle	-
999	Unknown vehicle	-

**38 ISUZU**

CODE	MODEL	INCLUDES	YEAR
031	I-Mark	S, RS, Turbo	85-89
032	Impulse	Turbo, RS	84-on
033	Stylus		90-an
398	Other automobile		-
399	Unknown automobile		-
401	Trooper/Trooper II	Deluxe, LS	84-on
402	Rodeo		91-on
403	Amigo		89-94
404	Vehicross		1999
405	Axiom		2000
421	Ascender		-
441	Oasis		96-on
471	P'up (pickup) Hombre	4 x 4	all
473	i-280/i-290	S, LS, Luxury	2006-on
474	i-350/i-370	LS, Limited, S	2006-on
498	Other light truck		-
499	Unknown light truck		all
881	Medium/Heavy CBE		all
882	Medium/Heavy COE	low entry	all
883	Medium/Heavy COE	high entry	all
884	Medium/Heavy	unknown engine location	-
890	Medium/Heavy COE	entry position unknown	-
898	Other medium/heavy truck		-
899	Unknown medium/heavy truck		-
950	Bus based motorhome		-
981	Bus Conventional front engine		-
982	Bus Front engine/flat front		-
983	Bus Rear engine/flat front		-
988	Other bus		-
989	Unknown bus		-
998	Other vehicle		-
999	Unknown vehicle		-

**39 JAGUAR**

CODE	MODEL	INCLUDES	YEAR
031	XJ-S Coupe		76-on
032	Vander Plas/XJ6/12 Sedan/Coupe/XJ8	L, XJ, C, 340/420 Sedan	all
033	XKE V12, Roadster, 120, 2 + 2		all
034	X100/S-Type		97-on
035	X-Type		-
398	Other automobile		-
399	Unknown automobile		-
998	Other vehicle		-
999	Unknown vehicle		-

**40 LANCIA**

CODE	MODEL	INCLUDES	YEAR
031	Beta Sedan - HPE		80
032	Beta Coupe - Zagato		82
033	Scorpion		78
398	Other automobile		-
399	Unknown automobile		-
998	Other vehicle		-
999	Unknown vehicle		-

**41 MAZDA**

CODE	MODEL	INCLUDES	YEAR
031	RX2		72-74
032	RX3		72-78
033	RX4		74-78
034	RX7	S, GS, GSL, SE	79-on
035	323/GLC/Protege	DX, Protege (90-on)	77-on
036	Cosmo		76-78
037	626	GT, GS, GSL, SE	79-on
038	808		72-77
039	Mizer		76
040	R-100		-72
041	616/618		-72
042	1800		-72
043	929		88-on
044	MX-6	Turbo	88-on
045	Miata		90-on
046	MX-3	GS	92-on
047	Millenia		95-on
048	MP3		-
049	RX-8		-
050	Mazda 6		-
051	Mazda 3		-
052	Mazda 5		-
053	CX-7		-
054	CX-9		-
398	Other automobile		-
399	Unknown automobile		-
401	Navajo		91-on
402	Tribute		-
441	MPV		89-on
471	Mazda pickup	B-2000, B-2200, B-2600, B-4000, Cab Plus, SE-5, LX	all
498	Other light truck		-
499	Unknown light truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**42 MERCEDES BENZ**

CODE	MODEL	INCLUDES	YEAR
031	200/220/230/240/250/ 260/280/300/320/420	Sedan and 5 passenger C only, SE, CD, D, SD, TD, CE, E. DOES NOT include 280 SE (75 on), 300 SD - see code 037	all
032	230/280 SL	2 seater only	all
033	300/350/380/450/500 SL, 560 SL	2 seater only, 300/500 SL (90-on)	all
034	350/380/420/450/560	SLC	all
035	280/300 SEL	TD, TD-T, CDT	all
036	380/420/450/500/560 SEL and 500/560 SEC/ 350 SDL/300 SDL		all
037	300 SE/380/450 SE	280 S, 280 SE (75 on), 300 SD Sedan, 350 SD	all
038	600, 6.9 Sedan	Pullman	all
039	190	D, E, 2.3, 2.5	all
040	300	CE Cabriolet	93-on
041	400/500E		92-on
042	C Class	220/280C (Kompressor)/C240/ C280/C320/C300/C350/C36/C43/ C32/55/63 AMG	94-on
043	S Class		-
044	SL Class		-
045	SLK		-
046	CL		-
047	CLK		-
048	E		-
049	SLR McLaren		-
050	R-Class		-
051	CLS-Class		-
398	Other automobile		-
399	Unknown automobile		-
401	M		-
402	G Class		-
470	Van derivative	Kurbstar	82-on
498	Other light truck		-
499	Unknown light truck		-



**42 MERCEDES BENZ (continued)**

881	Medium/Heavy CBE		all
882	Medium/Heavy COE	low entry	all
883	Medium/Heavy COE	high entry	all
884	Medium/Heavy	Unknown engine location	-
890	Medium/Heavy COE	entry position unknown	-
898	Other medium/heavy truck		-
899	Unknown medium/heavy truck		-
950	Bus based motorhome		-
981	Medium bus		all
988	Other bus		-
989	Unknown bus		-
998	Other vehicle		-
999	Unknown vehicle		-

**43 MG**

<b>CODE</b>	<b>MODEL</b>	<b>INCLUDES</b>	<b>YEAR</b>
031	Midget	MKIII, 1500	-79
032	MGB		76-79
033	MGB	GT	67-75
034	MGA		all
035	TA/TC/TD/TF		all
036	MGC	GT	-69
398	Other automobile	Sport Sedan	-
399	Unknown automobile		-
998	Other vehicle		-
999	Unknown vehicle		-

**44 PEUGEOT**

CODE	MODEL	INCLUDES	YEAR
031	304		71-73
032	403		-67
033	404		-70
034	504/505	STI, STX, Turbo, S, GL, GLS, Liberte, Station Wagon	70-91
035	604	SL, D	77-84
036	405	Mi-16	89-91
398	Other automobile		-
399	Unknown automobile		-

***Motorcycles***

CODE	MODEL	
701	0-50cc	-
702	51-124cc	-
709	Unknown cc	-
799	Unknown motored cycle	-
998	Other vehicle	-
999	Unknown vehicle	-

**45 PORSCHE**

CODE	MODEL	INCLUDES	YEAR
031	911	L, S, E, T, SC, Carrera, Slophenose, Speedster, Panorama	all
032	912	E, T	-69
033	914	S, 1.8, 2.0, 914/6	70-76
034	924	Turbo, S	77-88
035	928	S	78-on
036	930	Turbo	79
037	944	Turbo, S	83-91
038	959		89-94
039	968		92-95
040	986 Boxter		-
041	Cayman		-
398	Other automobile	Spyder, Speedster, 356	-
399	Unknown automobile		-
421	Cayenne		-
998	Other vehicle		-
999	Unknown vehicle		-

**46 RENAULT/AMC**

CODE	MODEL	INCLUDES	YEAR
031	LeCar	5	76-83
032	Dauphine/10/R-8/ Caravelle	all models	-71
033	12	R12L, R12TL	72-77
034	15	R15, R15TL	73-76
035	16	R16	69-72
036	17	R17, Gordini Coupe, R17TL	73-80
037	RI 8i	Sportwagon	81-on
038	Fuego	TL, TS, GTL, GTS, Turbo	82-85
039	Alliance/Encore, GTA,Convertible	L, DL, Limited, X-37	83-on
041	Alpine	GT	87-on
044	Medallion	DL, LX	87 only
045	Premier		87 only
398	Other automobile		-
399	Unknown automobile		-
998	Other vehicle		-
999	Unknown vehicle		-

**47 SAAB**

<b>CODE</b>	<b>MODEL</b>	<b>INCLUDES</b>	<b>YEAR</b>
031	99/99E/900	S, Turbo, Cabriolet	all
032	Sonnett	II, III, V-4	68-74
033	95/96/97		-73
034	9000	S, Turbo, CS (93-on)	85-on
035	9-3		-
036	9-5		-
037	9-2X		-
398	Other automobile	Monte Carlo 850	all
399	Unknown automobile		-
401	9-7X		-
498	Other Light Truck		-
499	Unknown light truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**48 SUBARU**

CODE	MODEL	INCLUDES	YEAR
031	DL/FE/G/GF/GL/GLF/ STD/Loyale	4 wheel drive, Turbo	72-94
032	Star		70-71
033	360		69-70
034	Legacy	Brighton, Outback, Outback II	89-on
035	XT, XT6	4WD Turbo, convertible, DL	86-on
036	Justy	DL, GL	87-94
037	SVX		92-on
038	Impreza		93-on
043	Brat	DL, GL	78-on
044	Baja		-
045	Outback		-
398	Other automobile		-
399	Unknown automobile		-
401	Forester		-
402	B9 Tribeca		-
498	Other Light Truck		-
499	Unknown Light Truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**49 TOYOTA**

CODE	MODEL	INCLUDES	YEAR
031	Corona	Mark 11, Custom, 1900, 2000, Deluxe	-82
032	Corolla	1100, 1200, 1600, SR-5, LE, Deluxe, Custom, FX16	69-85 86-on
033	Celica	1900, 2000, GT, ST, GTS	71-on
034	Supra	Celica Supra, Soarer	79-92
035	Cressida		78-92
036	Crown	2300, 2600	-71
037	Carina	2000	72-73
038	Tercel	Corolla Tercel, 4WD Wagon	80-on
039	Starlet		81-84
040	Camry	LE, Deluxe, XLE, Coupe	83-on
041	MR-2		85-95
042	Paseo		92-on
043	Avalon		95-on
044	Solara		-
045	Echo		-
046	Prius		-
048	Scion XA		-
049	Scion XB		-
050	Scion TC		-
051	Yaris		-
052	Scion XD	4-door hatchback	2008-on
053	Venza		2009-on
398	Other automobile	2000 GT Coupe (1960s)	all
399	Unknown automobile		-
401	4-Runner		85-on
402	RAV-4		96-on
403	Highlander		-
404	Matrix		-
405	FJ Cruiser		-
421	Landcruiser		76-on
422	Sequoia		-
441 on	Minivan/Previa	LE, Cargo	84-
442	Sienna		-



**49 TOYOTA (continued)**

471	Pickup	SR-5, Extra Cab, Sport, LN44, Chinook, Wonder Wagon	74-on
472	Tacoma		95-on
481	T-100		93-on
482	Tundra		
498	Other light truck		-
499	Unknown light truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**50 TRIUMPH**

CODE	MODEL	INCLUDES	YEAR
031	Spitfire	I, II, III, IV, 1500	-81
032	GT-6	MK3	67-73
033	TR4	TR2, TR3, TR4A	-68
034	TR6		69-76
035	TR7/8		75-81
036	Herald	Vitesse	60-74
037	Stag		60-74
398	Other automobile	2000, 1200 series	-
399	Unknown automobile		-

***Motorcycles***

CODE	MODEL	
701	0-50cc	-
702	51-124cc	-
703	125-349cc	-
704	350-449cc	-
705	450-749cc	-
706	750cc-over	-
709	Unknown cc	-
799	Unknown motored cycle	-
998	Other vehicle	-
999	Unknown vehicle	-

**51 VOLVO (includes Volvo/White and Volvo/GM Heavy Trucks)**

CODE	MODEL	INCLUDES	YEAR
031	122	S	58-68
032	142/144/145	S, E, GL, GLS, Deluxe	67-74
033	164	S, E	69-75
034	240/242/244/245	DL, GL, GLE, GLT, Deluxe	75-on
035	262/264/265	GL	76-82
036	1800	E, S, ES	60-73
037	P-544		47-65
038	760 780	Turbo, GLE	83-90 87-92
039	740	GLE, GT, Turbo, GL	85-92
040	940	GLE, Turbo, SE	91-on
041	960		92-on
042	850	GLT, Wagon	93-on
043	70 Series	C70 (LT, HT, T5), S70 (GLT, T5, AWD), V70 (R, SC Cross Country, GLT, T-5, XC-70, M, 2.4T, 2.4, 2.5T, T-6, R, 3.2) LPT, HPT	-
044	90 Series		-
045	80 Series	S80	-
046	40 Series	S40,V40	-
047	60 Series	S60 (2.4T, 2.4, 2.5 AWD, T5) 2.4M, 2.5T, R, T5, 2.4i, R-Design	-
048	V50		-
049	C30	1.0, 2.0, TS, R-Design	2008-on
050	XC60		2008-on
398	Other automobile		-
399	Unknown automobile		-
401	XC90		-
881	Medium/Heavy CBE		all
882	Medium/Heavy COE	low entry	all
883	Medium/Heavy COE	high entry	all
884	Medium/Heavy	unknown engine location	-
890	Medium/Heavy COE	entry position unknown	-
898	Other medium/heavy truck		all
899	Unknown medium/heavy truck		-
950	Bus based motorhome		-

**51 VOLVO (continued)**

981	Medium bus	all
988	Other bus	all
989	Unknown bus	-
998	Other vehicle	-
999	Unknown vehicle	-

**52 MITSUBISHI**

CODE	MODEL	INCLUDES	YEAR
031	Starion	2+2, LE, Turbo	83-90
032	Tredia	L, LS, Turbo	83-88
033	Cordia	L, Turbo	83-88
034	Galant	ECS, Sigma (thru-88)	85-on
035	Mirage	L, Turbo	85-on
036	Precis		90-on
037	Eclipse		90-on
038	Sigma		89-90
039	3000 GT	Spyder, VR-4	91-on
040	Diamante		92-on
046	Lancer		-
398	Other automobile		-
399	Unknown automobile		-
401	Montero	Sport	85-on
402	Outlander		-
403	Endeavor		-
441	Minivan	LS	87-on
442	Expo	LRV, Sport	92-95
471	Pickup	Mighty Max, SPX, 4x4	all
472	Raider/Durocross		-
498	Other light truck		-
499	Unknown light truck		-
882	Medium/Heavy COE	low entry, FUSO FE	all
898	Other medium/heavy truck		-
899	Unknown medium/heavy truck		-
950	Bus based motorhome		-
981	Bus Conventional front engine		all
982	Bus Front engine/flat front		all
983	Bus Rear engine/flat front		all
988	Other bus		-
989	Unknown bus		-
998	Other vehicle		-
999	Unknown vehicle		-

**53 SUZUKI**

CODE	MODEL	INCLUDES	YEAR
031	SA310	GLX	86-on
034	Swift	GTi,GTX	89-on
035	Esteem		-
036	Aerio		-
037	Forenza		-
038	Verona		-
039	Reno		-
040	SX4		-
398	Other automobile		-
399	Unknown automobile		-
401	Samurai	Standard, Deluxe	85-95
402	Sidekick/Grand Vitara		89-on
403	X-90/Vitara		96-on
404	Grand Vitara		-
405	XL7		-
481	Equator		2009-on
498	Other light truck		-
499	Unknown light truck		-

***Motorcycles***

CODE	MODEL	
701	0-50cc	-
702	51-124cc	-
703	125-349cc	-
704	350-449cc	-
705	450-749cc	-
706	750cc-over	-
709	Unknown cc	-

**53 SUZUKI (continued)*****All Terrain Cycles/Vehicles***

CODE	MODEL	INCLUDES	YEAR
731	0-50cc	includes all ATCs/ATVs	-
732	51-124	designed solely for off-road use.	-
733	125-349cc		-
734	350cc or greater		-
739	Unknown cc		-
798	Other Motored Cycle		-
799	Unknown motored cycle		-
998	Other vehicle		-
999	Unknown vehicle		-

**54 ACURA**

CODE	MODEL	INCLUDES	YEAR
031	Integra	RS, LS, GS	86-on
032	Legend/RL		86-on
033	NSX	NSX -T	91-on
034	Vigor	TL2.5/TL3.2	92-on
035	CL/TL	Coupe	96-on
038	RSX		-
039	TSX		-
040	ZDX	Body Type = 05/5-door/4-door hatchback	2010-on
398	Other automobile		-
399	Unknown automobile		-
401	SLX		96-on
402	RDX		-
421	MDX		-
498	Other Light Truck		-
499	Unknown Light Truck		-
998	Other vehicle		-
999	Unknown vehicle		-



**55 HYUNDAI**

CODE	MODEL	INCLUDES	YEAR
031	Pony		84-88
032	Excel	GL, GLS	84-94
033	Sonata		89-on
034	Scoupe		91-95
035	Elantra		92-on
036	Accent		95-on
037	Tiburon		-
038	XG300/350		-
039	Azera		-
040	Equus		2008-on
041	Genesis	3.8, 4.6	2009-on
398	Other automobile		-
399	Unknown automobile		-
401	Santa Fe		-
402	Tuscon		-
403	Veracruz		-
441	Entourage		-
498	Other Light Truck		-
499	Unknown Light Truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**56 MERKUR**

CODE	MODEL	INCLUDES	YEAR
031	XR4Ti	Turbo	85-89
032	Scorpio	Tu rbo	87-90
398	Other automobile		-
399	Unknown automobile		-
998	Other vehicle		-
999	Unknown vehicle		-

**57 YUGO**

<b>CODE</b>	<b>MODEL</b>	<b>INCLUDES</b>	<b>YEAR</b>
031	GV	GVX, Cabriolet	86-92
398	Other automobile		-
399	Unknown automobile		-
998	Other vehicle		-
999	Unknown vehicle		-

**58 INFINITI**

CODE	MODEL	INCLUDES	YEAR
031	M30		90-92
032	Q45		90-on
033	G20		91-96
034	J30		93-on
035	I30		96-on
036	I35		-
037	G35/G37		-
038	M35/M37/M45/M56		-
039	FX35/45/50		-
040	EX35	Includes Journey	2008-on
398	Other automobile		-
399	Unknown automobile		-
401	T30/QX4 (2010 and later)		97-on
421	QX56		-
498	Other Light Truck		97-on
499	Unknown Light Truck		97-on
998	Other vehicle		-
999	Unknown vehicle		-

**59 LEXUS**

<b>CODE</b>	<b>MODEL</b>	<b>INCLUDES</b>	<b>YEAR</b>
031	ES-250/300/330/350		90-on
032	LS	400/430/460/L/600h/L	90-on
033	SC-300/SC-400	2 door Coupe	92-on
034	GS-300/350/400/430/450h		94-on
035	IS-250/300/350/500		-
036	SC 430		2002
398	Other automobile		-
399	Unknown automobile		-
401	RX300		-
402	GX470		-
403	RX330/350/400h	Hybrid, Thundercloud, Mark Levinson Package	2004-on
421	LX-450/470		96-on
498	Other light Truck		96-on
499	Unknown Light Truck		96-on
998	Other vehicle		-
999	Unknown vehicle		-

**60 DAIHATSU**

CODE	MODEL	INCLUDES	YEAR
031	Charade		90-92
398	Other automobile		-
399	Unknown automobile		-
401	Rocky		90-92
498	Other light truck		-
499	Unknown light truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**61 STERLING**

CODE	MODEL	INCLUDES	YEAR
031	827S	Li	86-91
398	Other automobile		-
399	Unknown automobile		-
998	Other vehicle		-
999	Unknown vehicle		-

**62 LAND ROVER**

<b>CODE</b>	<b>MODEL</b>	<b>INCLUDES</b>	<b>YEAR</b>
401	Discovery (LR)		94-on
402	Defender 90 (LR)		94-98
421	County LWB (RR)/County Classis (RR)		all
422	Defender 90 (LR), 4.0 SE (RR), and Freelander		1999-2010
423	LR3		-
424	LR2		-
498	Other Light Truck		all
499	Unknown Light Truck		all
998	Other vehicle		-
999	Unknown vehicle		-



**63 KIA**

CODE	MODEL	INCLUDES	YEAR
031	Sephia		all
032	Spectra		-
033	Rio/Rio5		-
034	Optima		-
035	Amanti		-
036	Rondo		-
037	Soul		2009-on
038	Forte		2010-on
398	Other automobile		-
399	Unknown automobile		-
401	Sportage		96-on
402	Sorrento		-
421	Borrego	EX, LX (Body Type = 15/Large Utility)	2009-on
441	Sedona		-
498	Other Light Truck		-
499	Unknown Light Truck		-
998	Other vehicle		-
999	Unknown vehicle		-

**64 DAEWOO**

CODE	MODEL	INCLUDES	YEAR
031	Lanos		-
032	Nubira		-
033	Leganza		-
398	Other Automobile		-
399	Unknown Automobile		-
999	Unknown Vehicle		-

**65 SMART**

CODE	MODEL	INCLUDES	YEAR
031	ForTwo	Pure & Passion	-
398	Other automobile		-
399	Unknown automobile		-

**66 MAHINDRA**

CODE	MODEL	INCLUDES	YEAR
???	???	??	2011-on

**69 OTHER FOREIGN**

CODE	MODEL	INCLUDES	YEAR
031	Aston Martin	Lagonda, Vantage, Volante, Saloon	all
032	Bricklin		all
033	Citreon		all
034	Delorean		all
035	Ferrari		all
036	Hillman		all
037	Jensen	Healy	all
038	Lamborghini	Countach 5000S, Jalpa	all
039	Lotus	Europe, Esprit	all
040	Maserati	Biturbo	all
041	Morris	Minor	all
042	Rolls Royce/Bentley	Cloud/shadow series	all
044	Simca		all
045	Sunbeam		all
046	TVR		all
048	Desta		all
049	Reliant		all
052	Bertone	X/19	all
053	Lada		all
054	Mini Cooper		
398	Other make	Morgan, Singer	all
399	Unknown make		-
498	Other light truck		-

MAKES 70 to 79: See ["Classification of Motored Cycles and All Terrain Vehicles / Cycles"](#).

**81 DIAMOND REO / REO**

CODE	MODEL	INCLUDES	YEAR
850	Medium/Heavy Truck Based Motorhome		-
881	Medium Heavy - CBE		all
882	Medium/Heavy – COE/Low entry		-
883	Medium/Heavy – COE/High entry		-
884	Medium/Heavy – Unknown Engine Location		-
890	Medium/Heavy – COE/Entry Position Unknown		-
898	Medium/Heavy – Other		-
899	Unknown Medium/Heavy Truck		-

**82 FREIGHTLINER/WHITE**

CODE	MODEL	INCLUDES	YEAR
461	Sprinter/Advantage		-
470	M-Line Walk-in Van		-
498	Other Light Truck		-
499	Unknown Light Truck		-
850	Truck based motorhome		-
881	Medium Heavy - CBE		all
882	Medium/Heavy COE low entry		all
883	Medium/Heavy COE high entry		all
884	Medium/Heavy unknown engine location		-
890	Medium/Heavy COE entry position unknown		-
898	Other medium/heavy truck		all
899	Unknown medium/heavy truck		-
981	Conventional bus		all
982	Bus-flat front, front engine		all
983	Bus-flat front, rear engine		all
988	Other bus		-
989	Unknown bus		-
999	Unknown vehicle		-

**84 INTERNATIONAL HARVESTER**

CODE	MODEL	INCLUDES	YEAR
421	Scout	Scout II, Utility pickup, SS-2, Roadstar, 800 series, Traveler, Terra Traveltop	all
431	Travelall	1010-1210, 100-200	all
466	Multistop Van	Metro RM, 120-160, MS 1210, MS 1510	all
481	Pickup	R-100-500, 900A-1 500C/D, 1010-1510	all
498	Other light truck		-
499	Unknown light truck		-
850	Truck based motorhome		-
881	Medium Heavy - CBE	Loadstar/Fleetstar, Paystar, CBE Transtar, 4200, S-series Mixer	all
882	Medium/Heavy COE low entry	CO, VCO, DCO, 190-1950, Cargostar, LFM, 5370	all
883	Medium/Heavy COE high entry	DCO, DCOT, UCO, VCOT, 405-series, COE Transtar, Unistar, Conco 707B, 9600	all
884	Medium/Heavy	unknown engine location	-
890	Medium/Heavy COE	entry position unknown	-
898	Other medium/heavy truck	firetruck-RI4O-R301, C08190	all
899	Unknown medium/heavy truck		-
950	Bus based Motorhome		all
981	Conventional bus	RI53-1853 - Loadstar, 1603-1853	all
982	Bus-flat front, front engine	173FC, 183FC	all
983	Bus-flat front, rear engine	183RE, 193RE-transit	all
988	Other bus		-
989	Unknown bus		-
998	Other vehicle		-
999	Unknown vehicle		-

MAKES 85 to 98: See ["Classification for Medium/Heavy Trucks and Buses"](#).



**99 UNKNOWN MAKE**

<b>CODE</b>	<b>MODEL</b>	<b>INCLUDES</b>	<b>YEAR</b>
399	Unknown automobile		-
499	Unknown light truck		-
799	Unknown motored cycle		-
899	Unknown medium/heavy truck		-
988	Other bus		-
989	Unknown bus		-
998	Other vehicle		-
999	Unknown vehicle		-

**Classification for Motored Cycles and All Terrain Vehicles / Cycles**

Vehicle Make	MC	ATC	ATV	Make Code
BMW	x			34
Honda	x	x	x	37
Peugeot	x			44
Triumph	x			50
Suzuki	x	x	x	53
BSA	x			70
Ducati	x			71
Harley-Davidson	x			72
Kawasaki	x	x	x	73
Moto-Guzzi	x		x	74
Norton	x			75
Yamaha	x	x	x	76
Other make moped	x			78
Other make motorized cycle	x	x	x	79
Unknown make				99

The following model codes are used for all manufacturers of motored cycles and all terrain vehicles/cycles:

<b>Motored Cycles:</b>		<b>All Terrain Vehicles/Cycles:</b>	
0-50cc	701	0-50cc	731
51-124cc	702	51-124cc	732
125-349cc	703	125-349cc	733
350-449cc	704	350cc or greater	734
450-749cc	705	Unknown cc	739
750cc-or greater	706		
Unknown cc	709		
<b>All Cycles:</b>			
Other motored cycle	798		
Unknown motored cycle	799		
Other vehicle	998		

**Classification for Medium/Heavy Trucks and Buses**

<b>Vehicle Make</b>	<b>Truck</b>	<b>Bus</b>	<b>Make Code</b>
AM General	x	x	03
Dodge	x	x	07
Ford	x	x	12
Chevrolet	x	x	20
GMC	x	x	23
Grumman	x	x	25
Nissan/Datsun	x		35
Fiat	x		36
Isuzu	x	x	38
Mercedes Benz	x	x	42
Volvo	x	x	51
Mitsubishi	x		52
Brockway	x		80
Diamond Reo/Reo	x		81
Freightliner/White	x		82
FWD	x		83
International Harvester/ Navistar Kenworth	x	x	84
Mack	x		86
Peterbilt	x		87
Iveco/Magirus	x		88
Other Make			98

**Classification for Medium/Heavy Trucks and Buses (continued)**

For Make=98 (Other Medium/Heavy Trucks/ Buses, and Other Vehicle Makes), the following Model codes represent other truck and bus makes or types:

**Other Truck and Bus Makes:**


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Autocar	801
Auto-Union-DKW	802
Divco	803
Western Star	804
Oshkosh	805
Hino	806
Scania	807
Sterling Trucks	808
Neoplan (bus)	902

Codes for medium and heavy truck models and bus models are shown below. These codes are used for all manufacturers of medium/heavy trucks and buses:

**Truck and Bus Models:**


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Light truck based motorhome	498
Unknown type light motorhome	499
Truck based motorhome	850
Medium/Heavy CBE	881
Medium/Heavy COE-low entry	882
Medium/Heavy COE-high entry	883
Medium/Heavy Unknown engine location	884
Medium/Heavy COE-entry position unknown	890
Medium/Heavy - Other	898
Unknown light/medium/heavy truck	899
Bus based motorhome	950
Bus-conventional front engine	981
Bus - front engine/flat front	982
Bus - rear engine/flat front	983
Other Bus (e.g. Blue Bird, Chance Coach)	988
Unknown Bus	989
Other vehicle (e.g. farm vehicle, go-cart)	998
Unknown Vehicle	999

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