

IMPORTANT NOTICE: Robert Bosch LLC and the manufacturers whose vehicles are accessible using the CDR System urge end users to use the latest production release of the Crash Data Retrieval system software when viewing, printing or exporting any retrieved data from within the CDR program. Using the latest version of the CDR software is the best way to ensure that retrieved data has been translated using the most current information provided by the manufacturers of the vehicles supported by this product.

CDR File Information

User Entered VIN	1FMPU16545L*****
User	
Case Number	
EDR Data Imaging Date	01/23/2011
Crash Date	
Filename	1FMPU16545LAXXXXX_PCM.CDRX
Saved on	Sunday, January 23 2011 at 13:39:14
Collected with CDR version	Crash Data Retrieval Tool 3.6
Reported with CDR version	Crash Data Retrieval Tool 3.6
EDR Device Type	powertrain control module
Restraint Deployment Signal Received	Yes

Comments

No comments entered.

Data Limitations

The retrieval of this data has been authorized by the vehicle's owner, or other legal authority such as a subpoena or search warrant, as indicated by the CDR tool user on Sunday, January 23 2011 at 13:39:14.

FORD POWERTRAIN CONTROL MODULE EVENT DATA INTERPRETATION GUIDE

1. This document is intended to assist you in reading the data that has been retrieved from a Powertrain Control Module ("PCM") contained in a Ford vehicle. This document is further intended to provide general guidelines and is not intended to provide information regarding the interpretation of a specific read-out.
2. The data points in the "PCM EDR Data" tables shown in this report occur every 0.2 seconds of time. It should be pointed out that "Relative Time (calc.)" in these tables is calculated based on the 0.2 second time interval and is displayed relative to the receipt of a Restraint Deployment Signal from the RCM. The "Relative Time (calc.)" Information is not data which is retrieved from the PCM but is calculated based on the above information.
3. In the event that one of the vehicle's restraint devices (e.g., the vehicle's airbag or pretensioner) have deployed as a result of a collision, the Restraint Control Module or RCM will send a Restraints Deployment Signal (RDS) to the PCM via the vehicle data bus or through a direct wired connection. If the PCM receives an RDS, it will lock the data. It should be pointed out that the RCM and Vehicle Data Bus both require power for tenths of a second after the collision in order to send a signal or flag to the PCM.
4. If no RDS flag has been received from the RCM and there is still power to the PCM, the PCM data will not lock and the circular buffer will continuously overwrite itself when the vehicle's ignition is in the run position. In this event, data contained in the PCM that was relevant to the collision may be lost. However, if power was lost as a result of the collision, or the ignition key was turned off shortly after the event, there may still be data relating to the collision in the PCM.
5. Finding the data relating to the moment of impact:

a.) With regard to the PCM EDR Data tables where a Restraint Deployment Signal is received, the data is displayed in ordered of the "Relative Time (calc.)" parameter beginning with the oldest recorded frame of data.

The moment of impact can be found by reviewing the data contained in the RDS column. Specifically, the data samples recorded with an RDS flag equal to "Received" in the PCM EDR Data tables signify points recorded after the PCM received the RDS signal from the RCM. If the PCM has received an RDS flag, the moment of impact is typically set at the RDS = "Not Received" in the PCM EDR Data tables reading that immediately precedes a reading of RDS = "Received". The last RDS = "Received" data point signifies the last data point recorded in the event.

b.) With regard to the PCM EDR Data tables where a Restraint Deployment Signal is not received, the data is displayed in order of the "Buffer Address" parameter data beginning with the lowest address value. The PCM buffer is circular and the data point of first address listed in the PCM EDR Data tables does not necessarily signify the beginning of the PCM recording. The start and stop time of the PCM recording could be in the middle of the Table.

The moment of impact usually correlates with a discontinuity of the data listed in the table. If a single, significant discontinuity in the data is found, the data point immediately preceding the discontinuity is likely to be the last data point recorded. This point usually signifies impact time zero. If there is no single significant discontinuity, the data must be examined in detail to determine the largest

discontinuity in the largest number of data elements. If no single largest discontinuity can be determined, it may not be possible to determine the moment of impact.

6. The PCM Data Tables further show a column labeled as the "Key on Timer - 63.75 Max (sec)" or PUTMR. The PUTMR shows the length of time that the PCM was functioning for the most recent key cycle. The timer ascends to a maximum value of 63.75 seconds. If the data was not locked by an RDS flag and the ignition key was turned off and on again, the PCM will begin to write new data starting at the beginning of the data table. While it is not common, there are instances where the first portion of the data table has subsequent-key-on, post-crash data; while the latter portion of the data table has data from the key cycle in which the crash occurred. In other rare cases, an event has occurred in less than 25 seconds after key on and older data from prior key cycles has been left in the latter part of the buffer. Review the Key on Timer - 63.75 Max (sec) (PUTMR) data for discontinuities to determine if this has occurred.

7. Data displayed in the Key on Timer - 63.75 Max (sec) column has a resolution of 0.25 seconds and rounds actual data to the nearest 0.25 seconds. The data points occur every 0.2 seconds.

Actual time	Key on Timer display
0.0	0.0
0.2	0.25
0.4	0.50
0.6	0.50
0.8	0.75
1.0	1.00

8. Recorded Vehicle Speed is proportional to transmission output shaft speed and accuracy can be affected if the vehicle has had the tire size or inflation pressure or the final drive axle ratio changed from the factory build specifications.

PCM Data Source:

• All PCM recorded data is fed directly from sensors to the PCM where raw signals are processed, and stored internally, except for the following parameters which are transmitted via the vehicle's communication network:

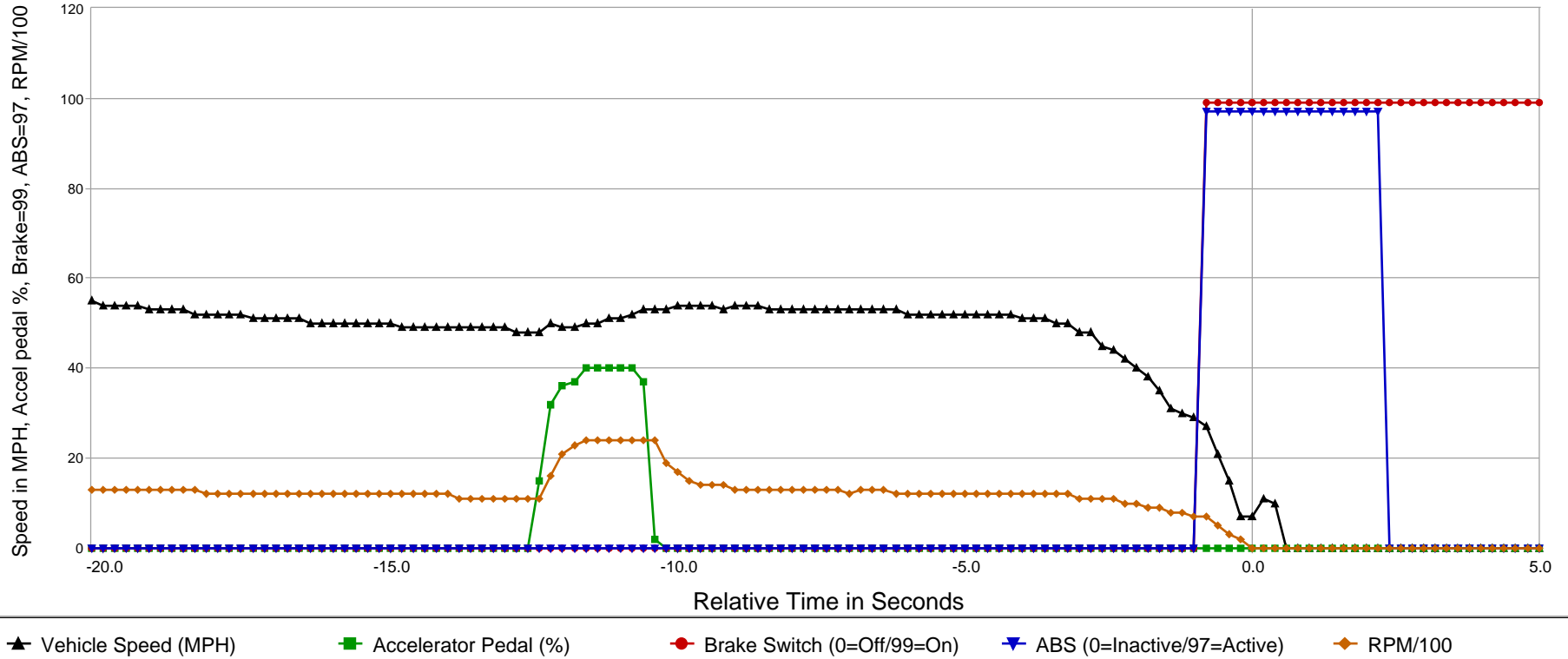
- Stability Control
- Traction Control
- ABS
- Restraint Deployment Signal

02005_PCM-1-2_r001

PCM Module Information

Vehicle Identification Number (from PCM)	1FMPU17595L*****
PCM File Name (calibration level)	TEDM8D2.HEX*
PCM Part Number	6U7A-12A650-ABB

1FMPU16545L*** PCM EDR Crash Data - RDS Received**



PCM EDR Data (1)

Buffer Address (Hex)	Relative Time (calc.) (Seconds)	Restraint Deployment Signal (Received / Not Received)	Speed, Vehicle Indicated (MPH [km/h])	Accelerator Pedal % Full (%)	Engine Throttle % Full (%)	Brake Switch (On / Off)	Brake SC De-ac (On / Off)	ABS (Active / Inactive)	Transmission - Neutral (Neutral / Not Neutral)
EA000650	-20.2	Not Received	54.5 [87.7]	0	6.5	OFF	OFF	Not Active	Not Neutral
EA000660	-20.0	Not Received	54.3 [87.4]	0	6.5	OFF	OFF	Not Active	Not Neutral
EA000670	-19.8	Not Received	54.1 [87]	0	6.5	OFF	OFF	Not Active	Not Neutral
EA000680	-19.6	Not Received	53.8 [86.6]	0	6.5	OFF	OFF	Not Active	Not Neutral
EA000690	-19.4	Not Received	53.5 [86.1]	0	6.5	OFF	OFF	Not Active	Not Neutral
EA0006A0	-19.2	Not Received	53.3 [85.8]	0	6	OFF	OFF	Not Active	Not Neutral
EA0006B0	-19.0	Not Received	53.1 [85.4]	0	6	OFF	OFF	Not Active	Not Neutral
EA0006C0	-18.8	Not Received	52.8 [85]	0	6	OFF	OFF	Not Active	Not Neutral
EA0006D0	-18.6	Not Received	52.6 [84.6]	0	6	OFF	OFF	Not Active	Not Neutral
EA0006E0	-18.4	Not Received	52.4 [84.3]	0	6	OFF	OFF	Not Active	Not Neutral
EA0006F0	-18.2	Not Received	52.2 [84]	0	6	OFF	OFF	Not Active	Not Neutral
EA000700	-18.0	Not Received	51.9 [83.5]	0	6	OFF	OFF	Not Active	Not Neutral
EA000710	-17.8	Not Received	51.7 [83.2]	0	6	OFF	OFF	Not Active	Not Neutral
EA000720	-17.6	Not Received	51.5 [82.9]	0	6	OFF	OFF	Not Active	Not Neutral
EA000730	-17.4	Not Received	51.4 [82.7]	0	6	OFF	OFF	Not Active	Not Neutral
EA000740	-17.2	Not Received	51.1 [82.2]	0	6	OFF	OFF	Not Active	Not Neutral
EA000750	-17.0	Not Received	50.9 [81.9]	0	6	OFF	OFF	Not Active	Not Neutral
EA000760	-16.8	Not Received	50.8 [81.7]	0	6	OFF	OFF	Not Active	Not Neutral
EA000770	-16.6	Not Received	50.6 [81.4]	0	6	OFF	OFF	Not Active	Not Neutral
EA000780	-16.4	Not Received	50.5 [81.3]	0	6	OFF	OFF	Not Active	Not Neutral
EA000790	-16.2	Not Received	50.4 [81.1]	0	6	OFF	OFF	Not Active	Not Neutral
EA0007A0	-16.0	Not Received	50.2 [80.8]	0	6	OFF	OFF	Not Active	Not Neutral
EA0007B0	-15.8	Not Received	50 [80.4]	0	6	OFF	OFF	Not Active	Not Neutral
EA0007C0	-15.6	Not Received	49.8 [80.1]	0	6	OFF	OFF	Not Active	Not Neutral
EA0007D0	-15.4	Not Received	49.7 [80]	0	6	OFF	OFF	Not Active	Not Neutral
EA0007E0	-15.2	Not Received	49.6 [79.8]	0	6	OFF	OFF	Not Active	Not Neutral
EA0007F0	-15.0	Not Received	49.5 [79.6]	0	6	OFF	OFF	Not Active	Not Neutral
EA000010	-14.8	Not Received	49.4 [79.5]	0	6	OFF	OFF	Not Active	Not Neutral
EA000020	-14.6	Not Received	49.2 [79.2]	0	6	OFF	OFF	Not Active	Not Neutral
EA000030	-14.4	Not Received	49.1 [79]	0	6	OFF	OFF	Not Active	Not Neutral
EA000040	-14.2	Not Received	49.1 [79]	0	6	OFF	OFF	Not Active	Not Neutral
EA000050	-14.0	Not Received	48.9 [78.7]	0	6	OFF	OFF	Not Active	Not Neutral
EA000060	-13.8	Not Received	48.9 [78.7]	0	6	OFF	OFF	Not Active	Not Neutral
EA000070	-13.6	Not Received	48.8 [78.5]	0	6	OFF	OFF	Not Active	Not Neutral
EA000080	-13.4	Not Received	48.7 [78.4]	0	5.5	OFF	OFF	Not Active	Not Neutral
EA000090	-13.2	Not Received	48.6 [78.2]	0	6	OFF	OFF	Not Active	Not Neutral
EA0000A0	-13.0	Not Received	48.5 [78]	0	5.5	OFF	OFF	Not Active	Not Neutral
EA0000B0	-12.8	Not Received	48.5 [78]	0	6	OFF	OFF	Not Active	Not Neutral
EA0000C0	-12.6	Not Received	48.4 [77.9]	0	6	OFF	OFF	Not Active	Not Neutral
EA0000D0	-12.4	Not Received	48.4 [77.9]	15	7	OFF	OFF	Not Active	Not Neutral
EA0000E0	-12.2	Not Received	49.7 [80]	31.5	32.5	OFF	OFF	Not Active	Not Neutral
EA0000F0	-12.0	Not Received	48.8 [78.5]	36	40.5	OFF	OFF	Not Active	Not Neutral
EA000100	-11.8	Not Received	49.2 [79.2]	37	44.5	OFF	OFF	Not Active	Not Neutral
EA000110	-11.6	Not Received	49.7 [80]	39.5	47	OFF	OFF	Not Active	Not Neutral
EA000120	-11.4	Not Received	50.3 [80.9]	40	47.5	OFF	OFF	Not Active	Not Neutral
EA000130	-11.2	Not Received	50.7 [81.6]	40.5	48	OFF	OFF	Not Active	Not Neutral
EA000140	-11.0	Not Received	51.5 [82.9]	40.5	47.5	OFF	OFF	Not Active	Not Neutral
EA000150	-10.8	Not Received	52 [83.7]	39.5	48	OFF	OFF	Not Active	Not Neutral
EA000160	-10.6	Not Received	52.6 [84.6]	37	48	OFF	OFF	Not Active	Not Neutral
EA000170	-10.4	Not Received	53.1 [85.4]	2.5	15.5	OFF	OFF	Not Active	Not Neutral
EA000180	-10.2	Not Received	53.3 [85.8]	0	14	OFF	OFF	Not Active	Not Neutral
EA000190	-10.0	Not Received	53.5 [86.1]	0	11.5	OFF	OFF	Not Active	Not Neutral
EA0001A0	-9.8	Not Received	53.7 [86.4]	0	9.5	OFF	OFF	Not Active	Not Neutral
EA0001B0	-9.6	Not Received	53.8 [86.6]	0	8.5	OFF	OFF	Not Active	Not Neutral
EA0001C0	-9.4	Not Received	53.7 [86.4]	0	7.5	OFF	OFF	Not Active	Not Neutral
EA0001D0	-9.2	Not Received	53.4 [85.9]	0	7	OFF	OFF	Not Active	Not Neutral
EA0001E0	-9.0	Not Received	53.7 [86.4]	0	6.5	OFF	OFF	Not Active	Not Neutral
EA0001F0	-8.8	Not Received	53.6 [86.2]	0	6.5	OFF	OFF	Not Active	Not Neutral
EA000200	-8.6	Not Received	53.6 [86.2]	0	6.5	OFF	OFF	Not Active	Not Neutral
EA000210	-8.4	Not Received	53.5 [86.1]	0	6.5	OFF	OFF	Not Active	Not Neutral
EA000220	-8.2	Not Received	53.4 [85.9]	0	6	OFF	OFF	Not Active	Not Neutral
EA000230	-8.0	Not Received	53.3 [85.8]	0	6	OFF	OFF	Not Active	Not Neutral
EA000240	-7.8	Not Received	53.3 [85.8]	0	6	OFF	OFF	Not Active	Not Neutral

Buffer Address (Hex)	Relative Time (calc.) (Seconds)	Restraint Deployment Signal (Received / Not Received)	Speed, Vehicle Indicated (MPH [km/h])	Accelerator Pedal % Full (%)	Engine Throttle % Full (%)	Brake Switch (On / Off)	Brake SC De-ac (On / Off)	ABS (Active / Inactive)	Transmission - Neutral (Neutral / Not Neutral)
EA000250	-7.6	Not Received	53.2 [85.6]	0	6	OFF	OFF	Not Active	Not Neutral
EA000260	-7.4	Not Received	53.1 [85.4]	0	6	OFF	OFF	Not Active	Not Neutral
EA000270	-7.2	Not Received	53.1 [85.4]	0	6	OFF	OFF	Not Active	Not Neutral
EA000280	-7.0	Not Received	53 [85.3]	0	6	OFF	OFF	Not Active	Not Neutral
EA000290	-6.8	Not Received	52.9 [85.1]	0	6	OFF	OFF	Not Active	Not Neutral
EA0002A0	-6.6	Not Received	52.8 [85]	0	6	OFF	OFF	Not Active	Not Neutral
EA0002B0	-6.4	Not Received	52.8 [85]	0	6	OFF	OFF	Not Active	Not Neutral
EA0002C0	-6.2	Not Received	52.6 [84.6]	0	6	OFF	OFF	Not Active	Not Neutral
EA0002D0	-6.0	Not Received	52.5 [84.5]	0	6	OFF	OFF	Not Active	Not Neutral
EA0002E0	-5.8	Not Received	52.5 [84.5]	0	6	OFF	OFF	Not Active	Not Neutral
EA0002F0	-5.6	Not Received	52.4 [84.3]	0	6	OFF	OFF	Not Active	Not Neutral
EA000300	-5.4	Not Received	52.3 [84.2]	0	6	OFF	OFF	Not Active	Not Neutral
EA000310	-5.2	Not Received	52.2 [84]	0	6	OFF	OFF	Not Active	Not Neutral
EA000320	-5.0	Not Received	52.1 [83.8]	0	6	OFF	OFF	Not Active	Not Neutral
EA000330	-4.8	Not Received	52 [83.7]	0	6	OFF	OFF	Not Active	Not Neutral
EA000340	-4.6	Not Received	51.8 [83.3]	0	6	OFF	OFF	Not Active	Not Neutral
EA000350	-4.4	Not Received	51.7 [83.2]	0	6	OFF	OFF	Not Active	Not Neutral
EA000360	-4.2	Not Received	51.6 [83]	0	6	OFF	OFF	Not Active	Not Neutral
EA000370	-4.0	Not Received	51.4 [82.7]	0	6	OFF	OFF	Not Active	Not Neutral
EA000380	-3.8	Not Received	51.1 [82.2]	0	6	OFF	OFF	Not Active	Not Neutral
EA000390	-3.6	Not Received	50.8 [81.7]	0	6	OFF	OFF	Not Active	Not Neutral
EA0003A0	-3.4	Not Received	50.3 [80.9]	0	6	OFF	OFF	Not Active	Not Neutral
EA0003B0	-3.2	Not Received	49.8 [80.1]	0	6	OFF	OFF	Not Active	Not Neutral
EA0003C0	-3.0	Not Received	48.5 [78]	0	5.5	OFF	OFF	Not Active	Not Neutral
EA0003D0	-2.8	Not Received	47.7 [76.7]	0	5.5	OFF	OFF	Not Active	Not Neutral
EA0003E0	-2.6	Not Received	45.3 [72.9]	0	5.5	OFF	OFF	Not Active	Not Neutral
EA0003F0	-2.4	Not Received	43.9 [70.6]	0	5.5	OFF	OFF	Not Active	Not Neutral
EA000400	-2.2	Not Received	42.1 [67.7]	0	5.5	OFF	OFF	Not Active	Not Neutral
EA000410	-2.0	Not Received	40.3 [64.8]	0	5	OFF	OFF	Not Active	Not Neutral
EA000420	-1.8	Not Received	38.4 [61.8]	0	5	OFF	OFF	Not Active	Not Neutral
EA000430	-1.6	Not Received	35.5 [57.1]	0	5	OFF	OFF	Not Active	Not Neutral
EA000440	-1.4	Not Received	31.4 [50.5]	0	5	OFF	OFF	Not Active	Not Neutral
EA000450	-1.2	Not Received	29.5 [47.5]	0	4.5	OFF	OFF	Not Active	Not Neutral
EA000460	-1.0	Not Received	28.7 [46.2]	0	4.5	OFF	OFF	Not Active	Not Neutral
EA000470	-0.8	Not Received	27.1 [43.6]	0	4.5	ON	ON	Active	Not Neutral
EA000480	-0.6	Not Received	20.5 [33]	0	4.5	ON	ON	Active	Neutral
EA000490	-0.4	Not Received	15.4 [24.8]	0	9.5	ON	ON	Active	Neutral
EA0004A0	-0.2	Not Received	6.8 [10.9]	0	16	ON	ON	Active	Neutral
EA0004B0	0.0	Not Received	6.6 [10.6]	0	1.5	ON	ON	Active	Neutral
EA0004C0	0.2	Received	10.8 [17.4]	0	9	ON	ON	Active	Neutral
EA0004D0	0.4	Received	10.5 [16.9]	0	9	ON	ON	Active	Neutral
EA0004E0	0.6	Received	0 [0]	0	9	ON	ON	Active	Neutral
EA0004F0	0.8	Received	0 [0]	0	9	ON	ON	Active	Neutral
EA000500	1.0	Received	0 [0]	0	9	ON	ON	Active	Neutral
EA000510	1.2	Received	0 [0]	0	9	ON	ON	Active	Neutral
EA000520	1.4	Received	0 [0]	0	9	ON	ON	Active	Neutral
EA000530	1.6	Received	0 [0]	0	9	ON	ON	Active	Neutral
EA000540	1.8	Received	0 [0]	0	9	ON	ON	Active	Neutral
EA000550	2.0	Received	0 [0]	0	9	ON	ON	Active	Neutral
EA000560	2.2	Received	0 [0]	0	9	ON	ON	Active	Neutral
EA000570	2.4	Received	0 [0]	0	9	ON	ON	Not Active	Neutral
EA000580	2.6	Received	0 [0]	0	9	ON	ON	Not Active	Neutral
EA000590	2.8	Received	0 [0]	0	9	ON	ON	Not Active	Neutral
EA0005A0	3.0	Received	0 [0]	0	9	ON	ON	Not Active	Neutral
EA0005B0	3.2	Received	0 [0]	0	9	ON	ON	Not Active	Neutral
EA0005C0	3.4	Received	0 [0]	0	9	ON	ON	Not Active	Neutral
EA0005D0	3.6	Received	0 [0]	0	9	ON	ON	Not Active	Neutral
EA0005E0	3.8	Received	0 [0]	0	9	ON	ON	Not Active	Neutral
EA0005F0	4.0	Received	0 [0]	0	9	ON	ON	Not Active	Neutral
EA000600	4.2	Received	0 [0]	0	9	ON	ON	Not Active	Neutral
EA000610	4.4	Received	0 [0]	0	9	ON	ON	Not Active	Neutral
EA000620	4.6	Received	0 [0]	0	9	ON	ON	Not Active	Neutral
EA000630	4.8	Received	0 [0]	0	9	ON	ON	Not Active	Neutral
EA000640	5.0	Received	0 [0]	0	9	ON	ON	Not Active	Neutral

PCM EDR Data (2)

Buffer Address (Hex)	Relative Time (calc.) (Seconds)	Transmission - Reverse (Reverse / Not Reverse)	Speed Control (On / Off)	Engine RPM (RPM)	Driveline Torque Commanded (N-m)	Driveline Torque Actual (N-m)	Traction Control (Active / Inactive)	Stability Control (Active / Inactive)	Key On Timer 63.75 Max (sec) (Seconds)
EA000650	-20.2	Not Reverse	OFF	1313.5	-27	-3	Not Active	Not Active	63.75
EA000660	-20.0	Not Reverse	OFF	1312.25	-26	-2	Not Active	Not Active	63.75
EA000670	-19.8	Not Reverse	OFF	1305	-27	-3	Not Active	Not Active	63.75
EA000680	-19.6	Not Reverse	OFF	1288.5	-26	-2	Not Active	Not Active	63.75
EA000690	-19.4	Not Reverse	OFF	1279.5	-27	-2	Not Active	Not Active	63.75
EA0006A0	-19.2	Not Reverse	OFF	1272.5	-29	-4	Not Active	Not Active	63.75
EA0006B0	-19.0	Not Reverse	OFF	1255.5	-29	-3	Not Active	Not Active	63.75
EA0006C0	-18.8	Not Reverse	OFF	1255.75	-27	-2	Not Active	Not Active	63.75
EA0006D0	-18.6	Not Reverse	OFF	1252	-27	-1	Not Active	Not Active	63.75
EA0006E0	-18.4	Not Reverse	OFF	1254	-27	-1	Not Active	Not Active	63.75
EA0006F0	-18.2	Not Reverse	OFF	1247.25	-28	-1	Not Active	Not Active	63.75
EA000700	-18.0	Not Reverse	OFF	1233.25	-27	-1	Not Active	Not Active	63.75
EA000710	-17.8	Not Reverse	OFF	1222.25	-27	-1	Not Active	Not Active	63.75
EA000720	-17.6	Not Reverse	OFF	1221	-28	0	Not Active	Not Active	63.75
EA000730	-17.4	Not Reverse	OFF	1222	-28	0	Not Active	Not Active	63.75
EA000740	-17.2	Not Reverse	OFF	1215.25	-27	0	Not Active	Not Active	63.75
EA000750	-17.0	Not Reverse	OFF	1206.25	-27	0	Not Active	Not Active	63.75
EA000760	-16.8	Not Reverse	OFF	1204	-26	0	Not Active	Not Active	63.75
EA000770	-16.6	Not Reverse	OFF	1198.5	-26	1	Not Active	Not Active	63.75
EA000780	-16.4	Not Reverse	OFF	1191.5	-26	0	Not Active	Not Active	63.75
EA000790	-16.2	Not Reverse	OFF	1188.25	-26	1	Not Active	Not Active	63.75
EA0007A0	-16.0	Not Reverse	OFF	1175	-26	1	Not Active	Not Active	63.75
EA0007B0	-15.8	Not Reverse	OFF	1184	-27	1	Not Active	Not Active	63.75
EA0007C0	-15.6	Not Reverse	OFF	1178	-28	0	Not Active	Not Active	63.75
EA0007D0	-15.4	Not Reverse	OFF	1178.5	-26	1	Not Active	Not Active	63.75
EA0007E0	-15.2	Not Reverse	OFF	1173.75	-26	2	Not Active	Not Active	63.75
EA0007F0	-15.0	Not Reverse	OFF	1172.75	-27	1	Not Active	Not Active	63.75
EA000010	-14.8	Not Reverse	OFF	1165.5	-26	2	Not Active	Not Active	63.75
EA000020	-14.6	Not Reverse	OFF	1169.25	-25	3	Not Active	Not Active	63.75
EA000030	-14.4	Not Reverse	OFF	1166.25	-26	3	Not Active	Not Active	63.75
EA000040	-14.2	Not Reverse	OFF	1162.25	-26	2	Not Active	Not Active	63.75
EA000050	-14.0	Not Reverse	OFF	1160.5	-27	2	Not Active	Not Active	63.75
EA000060	-13.8	Not Reverse	OFF	1147	-28	1	Not Active	Not Active	63.75
EA000070	-13.6	Not Reverse	OFF	1142.5	-26	3	Not Active	Not Active	63.75
EA000080	-13.4	Not Reverse	OFF	1148.75	-26	3	Not Active	Not Active	63.75
EA000090	-13.2	Not Reverse	OFF	1148.25	-26	3	Not Active	Not Active	63.75
EA0000A0	-13.0	Not Reverse	OFF	1148	-26	3	Not Active	Not Active	63.75
EA0000B0	-12.8	Not Reverse	OFF	1145.25	-25	3	Not Active	Not Active	63.75
EA0000C0	-12.6	Not Reverse	OFF	1139.25	-26	2	Not Active	Not Active	63.75
EA0000D0	-12.4	Not Reverse	OFF	1143.25	-25	3	Not Active	Not Active	63.75
EA0000E0	-12.2	Not Reverse	OFF	1556	269	227	Not Active	Not Active	63.75
EA0000F0	-12.0	Not Reverse	OFF	2096.5	285	388	Not Active	Not Active	63.75
EA000100	-11.8	Not Reverse	OFF	2287.5	331	418	Not Active	Not Active	63.75
EA000110	-11.6	Not Reverse	OFF	2395	355	439	Not Active	Not Active	63.75
EA000120	-11.4	Not Reverse	OFF	2427	367	446	Not Active	Not Active	63.75
EA000130	-11.2	Not Reverse	OFF	2430.5	373	448	Not Active	Not Active	63.75
EA000140	-11.0	Not Reverse	OFF	2437.25	375	448	Not Active	Not Active	63.75
EA000150	-10.8	Not Reverse	OFF	2448	377	444	Not Active	Not Active	63.75
EA000160	-10.6	Not Reverse	OFF	2449.25	383	443	Not Active	Not Active	63.75
EA000170	-10.4	Not Reverse	OFF	2407.25	319	347	Not Active	Not Active	63.75
EA000180	-10.2	Not Reverse	OFF	1923	180	157	Not Active	Not Active	63.75
EA000190	-10.0	Not Reverse	OFF	1680.75	130	104	Not Active	Not Active	63.75
EA0001A0	-9.8	Not Reverse	OFF	1538.5	91	73	Not Active	Not Active	63.75
EA0001B0	-9.6	Not Reverse	OFF	1448.75	55	50	Not Active	Not Active	63.75
EA0001C0	-9.4	Not Reverse	OFF	1378.75	26	31	Not Active	Not Active	63.75
EA0001D0	-9.2	Not Reverse	OFF	1361.5	2	17	Not Active	Not Active	63.75
EA0001E0	-9.0	Not Reverse	OFF	1336.25	-9	7	Not Active	Not Active	63.75
EA0001F0	-8.8	Not Reverse	OFF	1312.25	-18	2	Not Active	Not Active	63.75
EA000200	-8.6	Not Reverse	OFF	1301.5	-23	0	Not Active	Not Active	63.75
EA000210	-8.4	Not Reverse	OFF	1285.25	-24	-1	Not Active	Not Active	63.75
EA000220	-8.2	Not Reverse	OFF	1281	-25	-1	Not Active	Not Active	63.75
EA000230	-8.0	Not Reverse	OFF	1280.75	-27	-2	Not Active	Not Active	63.75
EA000240	-7.8	Not Reverse	OFF	1273	-26	-2	Not Active	Not Active	63.75

Buffer Address (Hex)	Relative Time (calc.) (Seconds)	Transmission - Reverse (Reverse / Not Reverse)	Speed Control (On / Off)	Engine RPM (RPM)	Driveline Torque Commanded (N-m)	Driveline Torque Actual (N-m)	Traction Control (Active / Inactive)	Stability Control (Active / Inactive)	Key On Timer 63.75 Max (sec) (Seconds)
EA000250	-7.6	Not Reverse	OFF	1270.75	-27	-2	Not Active	Not Active	63.75
EA000260	-7.4	Not Reverse	OFF	1262	-26	-1	Not Active	Not Active	63.75
EA000270	-7.2	Not Reverse	OFF	1262.5	-28	-2	Not Active	Not Active	63.75
EA000280	-7.0	Not Reverse	OFF	1247	-28	-2	Not Active	Not Active	63.75
EA000290	-6.8	Not Reverse	OFF	1254.75	-29	-2	Not Active	Not Active	63.75
EA0002A0	-6.6	Not Reverse	OFF	1250.5	-27	-2	Not Active	Not Active	63.75
EA0002B0	-6.4	Not Reverse	OFF	1252.25	-29	-2	Not Active	Not Active	63.75
EA0002C0	-6.2	Not Reverse	OFF	1247	-30	-3	Not Active	Not Active	63.75
EA0002D0	-6.0	Not Reverse	OFF	1239.5	-29	-3	Not Active	Not Active	63.75
EA0002E0	-5.8	Not Reverse	OFF	1234.25	-28	-2	Not Active	Not Active	63.75
EA0002F0	-5.6	Not Reverse	OFF	1234.75	-29	-2	Not Active	Not Active	63.75
EA000300	-5.4	Not Reverse	OFF	1238.5	-31	-3	Not Active	Not Active	63.75
EA000310	-5.2	Not Reverse	OFF	1228	-29	-2	Not Active	Not Active	63.75
EA000320	-5.0	Not Reverse	OFF	1221.25	-27	-1	Not Active	Not Active	63.75
EA000330	-4.8	Not Reverse	OFF	1224	-29	-2	Not Active	Not Active	63.75
EA000340	-4.6	Not Reverse	OFF	1214.25	-28	-1	Not Active	Not Active	63.75
EA000350	-4.4	Not Reverse	OFF	1201.5	-27	0	Not Active	Not Active	63.75
EA000360	-4.2	Not Reverse	OFF	1202	-26	0	Not Active	Not Active	63.75
EA000370	-4.0	Not Reverse	OFF	1193.5	-26	0	Not Active	Not Active	63.75
EA000380	-3.8	Not Reverse	OFF	1198.25	-28	0	Not Active	Not Active	63.75
EA000390	-3.6	Not Reverse	OFF	1190.5	-27	0	Not Active	Not Active	63.75
EA0003A0	-3.4	Not Reverse	OFF	1190.25	-27	0	Not Active	Not Active	63.75
EA0003B0	-3.2	Not Reverse	OFF	1158.25	-26	1	Not Active	Not Active	63.75
EA0003C0	-3.0	Not Reverse	OFF	1144.25	-25	2	Not Active	Not Active	63.75
EA0003D0	-2.8	Not Reverse	OFF	1113.75	-23	4	Not Active	Not Active	63.75
EA0003E0	-2.6	Not Reverse	OFF	1092.25	-23	6	Not Active	Not Active	63.75
EA0003F0	-2.4	Not Reverse	OFF	1055	-19	10	Not Active	Not Active	63.75
EA000400	-2.2	Not Reverse	OFF	1007.75	-18	13	Not Active	Not Active	63.75
EA000410	-2.0	Not Reverse	OFF	975	-16	17	Not Active	Not Active	63.75
EA000420	-1.8	Not Reverse	OFF	945.25	-14	21	Not Active	Not Active	63.75
EA000430	-1.6	Not Reverse	OFF	892.25	-10	26	Not Active	Not Active	63.75
EA000440	-1.4	Not Reverse	OFF	806	-2	35	Not Active	Not Active	63.75
EA000450	-1.2	Not Reverse	OFF	764.75	1	43	Not Active	Not Active	63.75
EA000460	-1.0	Not Reverse	OFF	741.25	5	47	Not Active	Not Active	63.75
EA000470	-0.8	Not Reverse	OFF	705.25	8	48	Not Active	Not Active	63.75
EA000480	-0.6	Not Reverse	OFF	504.75	34	4	Not Active	Not Active	63.75
EA000490	-0.4	Not Reverse	OFF	260	18	5	Not Active	Not Active	63.75
EA0004A0	-0.2	Not Reverse	OFF	156.25	18	34	Not Active	Not Active	63.75
EA0004B0	0.0	Not Reverse	OFF	0	195	1028	Not Active	Not Active	63.75
EA0004C0	0.2	Not Reverse	OFF	0	219	1301	Not Active	Not Active	63.75
EA0004D0	0.4	Not Reverse	OFF	0	303	1838	Not Active	Not Active	63.75
EA0004E0	0.6	Not Reverse	OFF	0	302	1831	Not Active	Not Active	63.75
EA0004F0	0.8	Not Reverse	OFF	0	302	1831	Not Active	Not Active	63.75
EA000500	1.0	Not Reverse	OFF	0	302	1831	Not Active	Not Active	63.75
EA000510	1.2	Not Reverse	OFF	0	302	1831	Not Active	Not Active	63.75
EA000520	1.4	Not Reverse	OFF	0	302	1831	Not Active	Not Active	63.75
EA000530	1.6	Not Reverse	OFF	0	302	1830	Not Active	Not Active	63.75
EA000540	1.8	Not Reverse	OFF	0	302	1830	Not Active	Not Active	63.75
EA000550	2.0	Not Reverse	OFF	0	302	1830	Not Active	Not Active	63.75
EA000560	2.2	Not Reverse	OFF	0	302	1830	Not Active	Not Active	63.75
EA000570	2.4	Not Reverse	OFF	0	302	1830	Not Active	Not Active	63.75
EA000580	2.6	Not Reverse	OFF	0	302	1830	Not Active	Not Active	63.75
EA000590	2.8	Not Reverse	OFF	0	302	1830	Not Active	Not Active	63.75
EA0005A0	3.0	Not Reverse	OFF	0	302	1830	Not Active	Not Active	63.75
EA0005B0	3.2	Not Reverse	OFF	0	304	1837	Not Active	Not Active	63.75
EA0005C0	3.4	Not Reverse	OFF	0	304	1837	Not Active	Not Active	63.75
EA0005D0	3.6	Not Reverse	OFF	0	304	1837	Not Active	Not Active	63.75
EA0005E0	3.8	Not Reverse	OFF	0	304	1837	Not Active	Not Active	63.75
EA0005F0	4.0	Not Reverse	OFF	0	304	1837	Not Active	Not Active	63.75
EA000600	4.2	Not Reverse	OFF	0	304	1837	Not Active	Not Active	63.75
EA000610	4.4	Not Reverse	OFF	0	304	1837	Not Active	Not Active	63.75
EA000620	4.6	Not Reverse	OFF	0	304	1837	Not Active	Not Active	63.75
EA000630	4.8	Not Reverse	OFF	0	304	1837	Not Active	Not Active	63.75
EA000640	5.0	Not Reverse	OFF	0	304	1838	Not Active	Not Active	63.75

Hexadecimal Data

Data that the vehicle manufacturer has specified for data retrieval is shown in the hexadecimal data section of the CDR report. The hexadecimal data section of the CDR report may contain data that is not translated by the CDR program. The control module contains additional data that is not retrievable by the CDR system.

```
0000100C0: 31 46 4D 50 55 31 37 35 39 35 4C 2A 2A 2A 2A
0000100D0: 2A FF FF FF

000010046: 54 45 44 4D 38 44 32 2E 48 45 58 2A

000010054: 36 55 37 41 41 42 42 2A

0EA000000: 15 04 B0 37 00 00 00 00 00 00 00 00 00 00 00
0EA000010: 00 04 0C 12 36 01 E6 18 B1 02 02 00 F8 FF 00 FD
0EA000020: 00 04 0C 12 45 01 E7 18 9F 02 03 00 F8 FF 00 FE
0EA000030: 00 04 0C 12 39 01 E6 18 8C 02 03 00 F8 FF 00 1E
0EA000040: 00 04 0C 12 29 01 E6 18 8A 02 02 00 F8 FF 00 31
0EA000050: 00 04 0C 12 22 01 E5 18 76 02 02 00 F8 FF 00 4D
0EA000060: 00 04 0C 11 EC 01 E4 18 70 02 01 00 F8 FF 00 8C
0EA000070: 00 04 0C 11 DA 01 E6 18 60 02 03 00 F8 FF 00 AA
0EA000080: 00 04 0B 11 F3 01 E6 18 54 02 03 00 F8 FF 00 9E
0EA000090: 00 04 0C 11 F1 01 E6 18 50 02 03 00 F8 FF 00 A3
0EA0000A0: 00 04 0B 11 F0 01 E6 18 42 02 03 00 F8 FF 00 B3
0EA0000B0: 00 04 0C 11 E5 01 E7 18 3E 02 03 00 F8 FF 00 C0
0EA0000C0: 00 04 0C 11 CD 01 E6 18 39 02 02 00 F8 FF 00 DF
0EA0000D0: 1E 04 0E 11 DD 01 E7 18 36 02 03 00 F8 FF 00 B0
0EA0000E0: 3F 04 41 18 50 03 0D 18 DE 02 E3 00 F8 FF 00 32
0EA0000F0: 48 04 51 20 C2 03 1D 18 6B 03 84 00 F8 FF 00 60
0EA000100: 4A 04 59 23 BE 03 4B 18 9A 03 A2 00 F8 FF 00 DC
0EA000110: 4F 04 5E 25 6C 03 63 18 DD 03 B7 00 F8 FF 00 B2
0EA000120: 50 04 5F 25 EC 03 6F 19 21 03 BE 00 F8 FF 00 D8
0EA000130: 51 04 60 25 FA 03 75 19 5E 03 C0 00 F8 FF 00 83
0EA000140: 51 04 5F 26 15 03 77 19 BA 03 C0 00 F8 FF 00 0A
0EA000150: 4F 04 60 26 40 03 79 1A 04 03 BC 00 F8 FF 00 97
0EA000160: 4A 04 60 26 45 03 7F 1A 47 03 BB 00 F8 FF 00 4F
0EA000170: 05 04 1F 25 9D 03 3F 1A 8A 03 5B 00 F8 FF 00 DB
0EA000180: 00 04 1C 1E 0C 02 B4 1A A2 02 9D 00 F8 FF 00 AE
0EA000190: 00 04 17 1A 43 02 82 1A C6 02 68 00 F8 FF 00 C3
0EA0001A0: 00 04 13 18 0A 02 5B 1A D4 02 49 00 F8 FF 00 3A
0EA0001B0: 00 04 11 16 A3 02 37 1A E3 02 32 00 F8 FF 00 D1
0EA0001C0: 00 04 0F 15 8B 02 1A 1A D9 02 1F 00 F8 FF 00 26
0EA0001D0: 00 04 0E 15 46 02 02 1A AE 02 11 00 F8 FF 00 BD
0EA0001E0: 00 04 0D 14 E1 01 F7 1A D7 02 07 00 F8 FF 00 11
0EA0001F0: 00 04 0D 14 81 01 EE 1A D0 02 02 00 F8 FF 00 86
0EA000200: 00 04 0D 14 56 01 E9 1A C9 02 00 00 F8 FF 00 BF
0EA000210: 00 04 0D 14 15 01 E8 1A BE 01 FF 00 F8 FF 00 0E
0EA000220: 00 04 0C 14 04 01 E7 1A B4 01 FF 00 F8 FF 00 2B
0EA000230: 00 04 0C 14 03 01 E5 1A AA 01 FE 00 F8 FF 00 39
0EA000240: 00 04 0C 13 E4 01 E6 1A A2 01 FE 00 F8 FF 00 60
0EA000250: 00 04 0C 13 DB 01 E5 1A 96 01 FE 00 F8 FF 00 76
0EA000260: 00 04 0C 13 B8 01 E6 1A 93 01 FF 00 F8 FF 00 9A
0EA000270: 00 04 0C 13 BA 01 E4 1A 87 01 FE 00 F8 FF 00 A7
0EA000280: 00 04 0C 13 7C 01 E4 1A 7F 01 FE 00 F8 FF 00 ED
0EA000290: 00 04 0C 13 9B 01 E3 1A 70 01 FE 00 F8 FF 00 DE
0EA0002A0: 00 04 0C 13 8A 01 E5 1A 6B 01 FE 00 F8 FF 00 F2
0EA0002B0: 00 04 0C 13 91 01 E3 1A 60 01 FE 00 F8 FF 00 F8
0EA0002C0: 00 04 0C 13 7C 01 E2 1A 52 01 FD 00 F8 FF 00 1D
0EA0002D0: 00 04 0C 13 5E 01 E3 1A 40 01 FD 00 F8 FF 00 4C
0EA0002E0: 00 04 0C 13 49 01 E4 1A 3C 01 FE 00 F8 FF 00 63
0EA0002F0: 00 04 0C 13 4B 01 E3 1A 32 01 FE 00 F8 FF 00 6C
0EA000300: 00 04 0C 13 5A 01 E1 1A 29 01 FD 00 F8 FF 00 69
0EA000310: 00 04 0C 13 30 01 E3 1A 1E 01 FE 00 F8 FF 00 9B
0EA000320: 00 04 0C 13 15 01 E5 1A 0F 01 FF 00 F8 FF 00 C2
0EA000330: 00 04 0C 13 20 01 E3 19 FD 01 FE 00 F8 FF 00 CD
0EA000340: 00 04 0C 12 F9 01 E4 19 EC 01 FF 00 F8 FF 00 04
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0EA000350: 00 04 0C 12 C6 01 E5 19 D5 02 00 00 F8 FF 00 4B
0EA000360: 00 04 0C 12 C8 01 E6 19 C7 02 00 00 F8 FF 00 56
0EA000370: 00 04 0C 12 A6 01 E6 19 B4 02 00 00 F8 FF 00 8B
0EA000380: 00 04 0C 12 B9 01 E4 19 8D 02 00 00 F8 FF 00 A1
0EA000390: 00 04 0C 12 9A 01 E5 19 62 02 00 00 F8 FF 00 EA
0EA0003A0: 00 04 0C 12 99 01 E5 19 29 02 00 00 F8 FF 00 24
0EA0003B0: 00 04 0C 12 19 01 E6 18 E7 02 01 00 F8 FF 00 E5
0EA0003C0: 00 04 0B 11 E1 01 E7 18 3F 02 02 00 F8 FF 00 C5
0EA0003D0: 00 04 0B 11 67 01 E9 17 DE 02 04 00 F8 FF 00 9D
0EA0003E0: 00 04 0B 11 11 01 E9 16 A3 02 06 00 F8 FF 00 2D
0EA0003F0: 00 04 0B 10 7C 01 ED 15 F1 02 0A 00 F8 FF 00 6E
0EA000400: 00 04 0B 0F BF 01 EE 15 10 02 0D 00 F8 FF 00 09
0EA000410: 00 04 0A 0F 3C 01 F0 14 29 02 11 00 F8 FF 00 6F
0EA000420: 00 04 0A 0E C5 01 F2 13 30 02 15 00 F8 FF 00 DB
0EA000430: 00 04 0A 0D F1 01 F6 11 BD 02 1A 00 F8 FF 00 1C
0EA000440: 00 04 0A 0C 98 01 FE 0F B2 02 23 00 F8 FF 00 72
0EA000450: 00 04 09 0B F3 02 01 0E C2 02 2B 00 F8 FF 00 FE
0EA000460: 00 04 09 0B 95 02 05 0E 54 02 2F 00 F8 FF 00 C2
0EA000470: 00 07 09 0B 05 02 08 0D 90 02 30 00 FC FF 00 0C
0EA000480: 00 03 09 07 E3 02 22 0A 44 02 04 00 FC FF 00 97
0EA000490: 00 03 13 04 10 02 12 07 B3 02 05 00 FC FF 00 06
0EA0004A0: 00 03 20 02 71 02 12 03 6B 02 22 00 FC FF 00 C9
0EA0004B0: 00 03 03 00 00 02 C3 03 51 06 04 00 FC FF 00 DC
0EA0004C0: 00 03 12 00 00 02 DB 05 67 07 15 01 FC FF 00 8A
0EA0004D0: 00 03 12 00 00 03 2F 05 40 09 2E 01 FC FF 00 41
0EA0004E0: 00 03 12 00 00 03 2E 00 00 09 27 01 FC FF 00 8E
0EA0004F0: 00 03 12 00 00 03 2E 00 00 09 27 01 FC FF 00 8E
0EA000500: 00 03 12 00 00 03 2E 00 00 09 27 01 FC FF 00 8E
0EA000510: 00 03 12 00 00 03 2E 00 00 09 27 01 FC FF 00 8E
0EA000520: 00 03 12 00 00 03 2E 00 00 09 27 01 FC FF 00 8E
0EA000530: 00 03 12 00 00 03 2E 00 00 09 26 01 FC FF 00 8F
0EA000540: 00 03 12 00 00 03 2E 00 00 09 26 01 FC FF 00 8F
0EA000550: 00 03 12 00 00 03 2E 00 00 09 26 01 FC FF 00 8F
0EA000560: 00 03 12 00 00 03 2E 00 00 09 26 01 FC FF 00 8F
0EA000570: 00 03 12 00 00 03 2E 00 00 09 26 01 F8 FF 00 93
0EA000580: 00 03 12 00 00 03 2E 00 00 09 26 01 F8 FF 00 93
0EA000590: 00 03 12 00 00 03 2E 00 00 09 26 01 F8 FF 00 93
0EA0005A0: 00 03 12 00 00 03 2E 00 00 09 26 01 F8 FF 00 93
0EA0005B0: 00 03 12 00 00 03 30 00 00 09 2D 01 F8 FF 00 8A
0EA0005C0: 00 03 12 00 00 03 30 00 00 09 2D 01 F8 FF 00 8A
0EA0005D0: 00 03 12 00 00 03 30 00 00 09 2D 01 F8 FF 00 8A
0EA0005E0: 00 03 12 00 00 03 30 00 00 09 2D 01 F8 FF 00 8A
0EA0005F0: 00 03 12 00 00 03 30 00 00 09 2D 01 F8 FF 00 8A
0EA000600: 00 03 12 00 00 03 30 00 00 09 2D 01 F8 FF 00 8A
0EA000610: 00 03 12 00 00 03 30 00 00 09 2D 01 F8 FF 00 8A
0EA000620: 00 03 12 00 00 03 30 00 00 09 2D 01 F8 FF 00 8A
0EA000630: 00 03 12 00 00 03 30 00 00 09 2D 01 F8 FF 00 8A
0EA000640: 00 03 12 00 00 03 30 00 00 09 2E 01 F8 FF 00 89
0EA000650: 00 04 0D 14 86 01 E5 1B 46 01 FD 00 F8 FF 00 19
0EA000660: 00 04 0D 14 81 01 E6 1B 26 01 FE 00 F8 FF 00 3C
0EA000670: 00 04 0D 14 64 01 E5 1B 0A 01 FD 00 F8 FF 00 77
0EA000680: 00 04 0D 14 22 01 E6 1A E8 01 FE 00 F8 FF 00 DA
0EA000690: 00 04 0D 13 FE 01 E5 1A C5 01 FE 00 F8 FF 00 23
0EA0006A0: 00 04 0C 13 E2 01 E3 1A AA 01 FC 00 F8 FF 00 5F
0EA0006B0: 00 04 0C 13 9E 01 E3 1A 8D 01 FD 00 F8 FF 00 BF
0EA0006C0: 00 04 0C 13 9F 01 E5 1A 6A 01 FE 00 F8 FF 00 DE
0EA0006D0: 00 04 0C 13 90 01 E5 1A 4A 01 FF 00 F8 FF 00 0C
0EA0006E0: 00 04 0C 13 98 01 E5 1A 35 01 FF 00 F8 FF 00 19
0EA0006F0: 00 04 0C 13 7D 01 E4 1A 14 01 FF 00 F8 FF 00 56
0EA000700: 00 04 0C 13 45 01 E5 19 EE 01 FF 00 F8 FF 00 B4
0EA000710: 00 04 0C 13 19 01 E5 19 DF 01 FF 00 F8 FF 00 EF
0EA000720: 00 04 0C 13 14 01 E4 19 C3 02 00 00 F8 FF 00 0F
0EA000730: 00 04 0C 13 18 01 E4 19 B0 02 00 00 F8 FF 00 1E
0EA000740: 00 04 0C 12 FD 01 E5 19 93 02 00 00 F8 FF 00 56
0EA000750: 00 04 0C 12 D9 01 E5 19 79 02 00 00 F8 FF 00 94
0EA000760: 00 04 0C 12 D0 01 E6 19 63 02 00 00 F8 FF 00 B2
0EA000770: 00 04 0C 12 BA 01 E6 19 53 02 01 00 F8 FF 00 D7
0EA000780: 00 04 0C 12 9E 01 E6 19 3C 02 00 00 F8 FF 00 0B
0EA000790: 00 04 0C 12 91 01 E6 19 2D 02 01 00 F8 FF 00 26
0EA0007A0: 00 04 0C 12 5C 01 E6 19 19 02 01 00 F8 FF 00 6F

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0EA0007B0: 00 04 0C 12 80 01 E5 19 02 02 01 00 F8 FF 00 63
0EA0007C0: 00 04 0C 12 68 01 E4 18 EC 02 00 00 F8 FF 00 94
0EA0007D0: 00 04 0C 12 6A 01 E6 18 DC 02 01 00 F8 FF 00 9F
0EA0007E0: 00 04 0C 12 57 01 E6 18 D1 02 02 00 F8 FF 00 BC
0EA0007F0: 00 04 0C 12 53 01 E5 18 C0 02 01 00 F8 FF 00 D3
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