

07/19/2016 23:56:59 I U M P R Data Collection Tool for 13 CCR 1971.1 (1)(2) and (h)(1.7)  
M1/D1/YYYY 23:57:59 I U M P R Data Collection Tool version 99.999.999 of 07/19/2016

IIIIIIIIII	UUU	UUU	MMM	MMM	PPPPPPPP	RRRRRRR	DATA	PLATE	REPORT			
IIIIIIIIII	UUU	UUU	MMMM	MMMM	PPPPPPPP	RRRRRRRR	DATA	PLATE	REPORT			
III	UUU	UUU	MMMMM	MMMMM	PPP	PPP	RRR	RRR	DATA	PLATE	REPORT	
III	UUU	UUU	MMMMMMMMMMMMMM		PPP	PPP	RRR	RRR	DATA	PLATE	REPORT	
III	UUU	UUU	MMM	MMM	MMM	PPP	PPP	RRR	RRR	DATA	PLATE	REPORT
III	UUU	UUU	MMM	M	MMM	PPP	PPP	RRR	RRR	DATA	PLATE	REPORT
III	UUU	UUU	MMM		MMM	PPPPPPPP	RRRRRRRR	DATA	PLATE	REPORT		
III	UUU	UUU	MMM		MMM	PPPPPPPP	RRRRRRRR	DATA	PLATE	REPORT		
III	UUU	UUU	MMM		MMM	PPP	RRR	RRR	DATA	PLATE	REPORT	
III	UUU	UUU	MMM		MMM	PPP	RRR	RRR	DATA	PLATE	REPORT	
IIIIIIIIII	UUUUUUUUUU	MMM		MMM	PPP	RRR	RRR	DATA	PLATE	REPORT		
IIIIIIIIII	UUUUUUUUUU	MMM		MMM	PPP	RRR	RRR	DATA	PLATE	REPORT		

M1/D1/YYYY 23:59:59 I U M P R Data Collection Tool Data Plate Report

M1/D1/YYYY 23:59:59 NEW [EXISTING] FILE NAME: XXXXXXXXXX.ASC

M1/D1/YYYY 23:59:59 NEW [EXISTING] FILE PATH: x:/XXXXX/XXXX/XXXXXXX/XXXX/

M1/D1/YYYY 23:59:59 Baud Rate: 250 [500] kpbs

M1/D1/YYYY 23:59:59 Address Claim

0472.427 500 07 18 EA FF FE 00 EE 00 (Tx)  
0472.429 500 12 18 EE FF 55 10 F7 45 01 00 45 00 01 (Address Claim)  
Found Diesel Particulate Filter Controller for SA 85  
0472.430 500 12 18 EE FF 3D 00 00 00 00 00 00 00 (Address Claim)  
Found Exhaust Emission Controller for SA 61  
0472.438 000 12 18 EE FF 00 00 00 40 05 00 00 65 14 (Address Claim)  
Found Engine #1 for SA 0  
0472.441 500 12 18 EE FF 17 43 47 60 05 00 13 00 00 (Address Claim)  
Found Instrument Cluster #1 for SA 23  
0472.443 000 12 18 EE FF 0F 00 00 40 05 00 0C 01 10 (Address Claim)  
Found Retarder - Engine for SA 15  
0472.448 500 12 18 EE FF 29 00 00 40 05 00 0D 01 10 (Address Claim)  
Found Retarder, Exhaust, Engine #1 for SA 41  
0472.454 500 12 18 EE FF 05 02 00 40 00 00 05 02 10 (Address Claim)  
Found Shift Console - Primary for SA 5  
0472.471 000 12 18 EE FF 03 64 00 40 00 00 03 03 10 (Address Claim)  
Found Transmission #1 for SA 3  
0473.673 500 12 18 EE FF F9 00 00 00 1A 00 82 00 00 (Address Claim) (Tx)

M1/D1/YYYY 23:59:59 Global VIN Request

1129.099 500 07 18 EA FF F9 EC FE 00 (Tx)  
1129.275 500 22 1C FE EC 00 33 48 41 4D 4B 53 54 4E 30 46 4C 35 37 35 30 31 32 2A  
(VIN)

M1/D1/YYYY 23:59:59 VIN: 3HAMKSTN0FL575012

M1/D1/YYYY 23:59:59 Global DM19 Request

1137.040 500 07 18 EA FF F9 00 D3 00 (Tx)  
1137.206 000 24 1C D3 00 55 51 BA FE BD 41 4E 54 35 41 53 52 31 20 20 00 00 00 00 00  
00 (DM19)  
CAL ID of #ANT5ASR1 and CVN of #BD FE BA 51 received from SA#85  
1137.222 500 24 1C D3 00 00 96 BF DC 40 50 42 54 35 4D 50 52 33 00 00 00 00 00 00 00  
00 (DM19)  
CAL ID of #PBT5MPR3 and CVN of #40 DC BF 96 received from SA#0  
1137.223 500 24 18 D3 00 3D 40 91 B9 3E 52 50 52 42 42 41 31 30 00 00 00 00 00 00 00  
00 (DM19)  
CAL ID of #RPRBBA10 and CVN of #3E B9 91 40 received from SA#61

M1/D1/YYYY 23:59:59 Global DM21  
0307.622 204 07 18 EA FF F9 00 C1 00 (Tx)  
0307.634 204 12 18 C1 FF 00 00 00 00 00 0E 00 (DM21)

Distance Traveled While Mil is Activated 0 km (0 miles)  
Distance Since DTCs Cleared 0 km (0 miles)  
Time Run by Engine While Mil is Activated 0 minutes  
Time Since Diagnostic Trouble Codes Cleared 14 minutes

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If Rollover Time Gap (Time Since Code Clear less than prior) then

M1/D1/YYYY 23:59:59 ERROR Time Since Code Clear Reset / Rollover

Else If excess time gap then,

M1/D1/YYYY 23:59:59 ERROR Excess Time Since Code Cleared Gap of 66 minutes.

Or else acceptable gap then.

M1/D1/YYYY 23:59:59 Time Since Code Cleared Gap of 6 minutes.

Note if If VIN or CAL ID Mismatch then Function F aborts and no message is stored.

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M1/D1/YYYY 23:59:59 Global DM5 Request  
1126.268 000 07 18 EA FF F9 CE FE 00 (Tx)  
1126.271 000 12 18 FE CE 55 FF FF 14 00 00 00 00 00 (DM5)  
Found Module 85: OBD compliance number = 20  
1126.280 000 12 18 FE CE 00 00 00 14 37 E0 1E E0 1E (DM5)  
Found Module 0: OBD compliance number = 20

HD OBD Devices

M1/D1/YYYY 23:59:59 OBD DEVICES

SA: 85, Diesel Particulate Filter Controller  
CAL ID: ANT5ASR1  
CVN: 0xBDFEBA51  
ESN: 00000000 MAKE MODEL 6X2u07D1500000000

SA: 0, Engine #1  
CAL ID: PBT5MPR3  
CVN: 0x40DCBF96  
ESN: 570HM2U3545277 MAKE INT MODEL 570261221315646M13

M1/D1/YYYY 23:59:59 non HD OBD Devices

SA: 61, Exhaust Emission Controller  
CAL ID: RPRBBA10  
CVN: 0x3EB99140

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M1/D1/YYYY 23:59:59 NEW FILE NAME: XXXXXXXXXXXX.ASC  
M1/D1/YYYY 23:59:59 NEW FILE PATH: x:/XXXXX/XXXX/XXXXXXXX/XXXX/

M1/D1/YYYY 23:59:59 Global DM11 Request Clear Faults  
1145.031 000 07 18 EA FF F9 D3 FE 00 (Tx)  
1145.050 500 12 18 E8 FF 0B 00 FF FF FF FF D3 FE 00  
1145.061 000 12 18 E8 FF 3D 00 FF FF FF 00 D3 FE 00  
1145.065 000 12 18 E8 FF XX 00 FF FF FF F9 D3 FE 00

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M1/D1/YYYY 23:59:59 EXISTING FILE NAME: XXXXXXXXXXXX.ASC  
M1/D1/YYYY 23:59:59 EXISTING FILE PATH: x:/XXXXX/XXXX/XXXXXXXX/XXXX/  
M1/D1/YYYY 23:59:59 EXISTING FILE SIZE: X.XXX MB [OR XXX KB]

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M1/D1/YYYY 23:59:59 Global DM5 Request  
1158.106 000 07 18 EA FF F9 CE FE 00 (Tx)  
1158.113 000 12 18 FE CE 55 FF FF 14 00 00 00 00 00 (DM5)  
DM5 Response received from SA 85  
1158.114 500 12 18 FE CE 00 00 00 14 37 E0 1E E0 1E (DM5)  
DM5 Response received from SA 0

M1/D1/YYYY 23:59:59 Vehicle composite of DM5:  
Comprehensive components support is: supported (1)  
Comprehensive components status is: test complete or not supported (0)  
Misfire monitoring support is: supported (1)  
Misfire monitoring status is: test not complete (1)  
Fuel system monitoring support is: supported (1)  
Fuel system monitoring status is: test not complete (1)  
Catalyst monitoring support is: not supported (0)  
Catalyst monitoring status is: test complete or not supported (0)  
Heated catalyst monitoring support is: not supported (0)  
Heated catalyst monitoring status is: test complete or not supported (0)  
Evaporative system monitoring support is: not supported (0)  
Evaporative system monitoring status is: test complete or not supported (0)  
Secondary air system monitoring support is: not supported (0)  
Secondary air system monitoring status is: test complete or not supported (0)  
A/C system refrigerant monitoring support is: not supported (0)  
A/C system refrigerant monitoring status is: test complete or not supported (0)  
Exhaust sensor monitoring support is: supported (1)  
Exhaust sensor monitoring status is: test not complete (1)  
Exhaust gas sensor heater monitoring support is: supported (1)  
Exhaust gas sensor heater monitoring status is: test not complete (1)  
EGR system monitoring support is: supported (1)  
EGR system monitoring status is: test not complete (1)  
Cold start aid system monitoring support is: not supported (0)  
Cold start aid system monitoring status is: test complete or not supported (0)  
Boost pressure control support is: supported (1)  
Boost pressure control status is: test not complete (1)  
Diesel Particulate Filter (DPF) support is: supported (1)  
Diesel Particulate Filter (DPF) status is: test not complete (1)  
NOx converting catalyst and/or NOx adsorber support is: supported (1)  
NOx converting catalyst and/or NOx adsorber status is: test not complete (1)  
NMHC converting catalyst support is: supported (1)  
NMHC converting catalyst status is: test not complete (1)

M1/D1/YYYY 23:59:59 Global DM26  
1160.107 000 07 18 EA FF F9 B8 FD 00 (Tx)  
1160.121 000 12 18 FD B8 00 00 00 00 37 C0 1E C0 1E (DM26)

M1/D1/YYYY 23:59:59 Vehicle composite of DM26:  
Comprehensive components support is: enabled (1)  
Comprehensive components status is: test complete or not supported (0)  
Misfire monitoring support is: enabled (1)  
Misfire monitoring status is: test not complete (1)  
Fuel system monitoring support is: enabled (1)  
Fuel system monitoring status is: test not complete (1)  
Catalyst monitoring support is: disabled or not supported (0)  
Catalyst monitoring status is: test complete or not supported (0)  
Heated catalyst monitoring support is: disabled or not supported (0)

Heated catalyst monitoring status is: test complete or not supported (0)  
Evaporative system monitoring support is: disabled or not supported (0)  
Evaporative system monitoring status is: test complete or not supported (0)  
Secondary air system monitoring support is: disabled or not supported (0)  
Secondary air system monitoring status is: test complete or not supported (0)  
A/C system refrigerant monitoring support is: disabled or not supported (0)  
A/C system refrigerant monitoring status is: test complete or not supported (0)  
Exhaust Gas sensor monitoring support is: disabled or not supported (0)  
Exhaust Gas sensor monitoring status is: test complete or not supported (0)  
Exhaust Gas sensor heater monitoring support is: enabled (1)  
Exhaust Gas sensor heater monitoring status is: test not complete (1)  
EGR system monitoring support is: enabled (1)  
EGR system monitoring status is: test not complete (1)  
Boost pressure control support is: enabled (1)  
Boost pressure control status is: test not complete (1)  
Diesel Particulate Filter (DPF) support is: enabled (1)  
Diesel Particulate Filter (DPF) status is: test not complete (1)  
NOx converting catalyst and/or NOx adsorber support is: enabled (1)  
NOx converting catalyst and/or NOx adsorber status is: test not complete (1)  
NMHC converting catalyst support is: enabled (1)  
NMHC converting catalyst status is: test not complete (1)

M1/D1/YYYY 23:59:59 Global DM20 Request

1139.289 000 07 18 EA FF F9 00 C2 00 (Tx)  
1139.828 500 64 1C C2 00 00 0C 00 01 00 CA 14 F8 00 00 01 00 B8 12 F8 00 00 01 00 BC  
14 F8 00 00 00 00 F8 0B F8 00 00 01 00 C6 14 F8 00 00 01 00 F2 0B F8 00 00 01 00 C9 14 F8  
00 00 01 00 EF 0B F8 00 00 01 00 (DM20)

M1/D1/YYYY 23:59:59 Monitor Counts from SA 0

Numerator Denominator

SPN 3048 Ignition Cycle,		1
SPN 3049 OBD Monitoring Conditions Encountered		1
SPN 5322 NMHC Converting Catalyst System Monitor	0,	1
SPN 4792 SCR Catalyst System	0,	1
SPN 5308 EGR System Monitor	0,	0
SPN 3064 Diesel Particulate Filter System Monitor	0,	1
SPN 5318 Exhaust Gas Sensor System Monitor	0,	1
SPN 3058 EGR System Monitor	0,	1
SPN 5321 Intake Manifold Pressure System Monitor	0,	1
SPN 3055 Fuel System Monitor	0,	1

M1/D1/YYYY 23:59:59 Global DM6

1171.030 000 07 18 EA FF F9 CF FE 00 (Tx)  
1171.034 000 12 18 FE CF 00 00 FF 00 00 00 00 FF FF (DM6)  
DM6 response received from SA 0

M1/D1/YYYY 23:59:59 Global DM12

1173.038 000 07 18 EA FF F9 D4 FE 00 (Tx)  
1173.050 500 12 18 FE D4 00 00 FF 00 00 00 00 FF FF (DM12)  
DM12 response received from SA 0  
1173.059 500 12 18 FE D4 17 00 FF 00 00 00 00 FF FF (DM12)  
DM12 response received from SA 23

M1/D1/YYYY 23:59:59 Global DM23

1175.050 000 07 18 EA FF F9 B5 FD 00 (Tx)  
1175.057 500 12 18 FD B5 00 00 FF 00 00 00 00 FF FF (DM23)  
DM23 response received from SA 0

M1/D1/YYYY 23:59:59 Global DM28

1177.044 000 07 18 EA FF F9 80 FD 00 (Tx)  
1177.229 000 22 1C FD 80 00 00 FF 61 02 13 00 61 02 13 00 21 06 1F 00 EE 10 04 00  
(DM28)  
DM28 response received from SA 0  
SA 0 has permanent DTC SPN 609 FMI 19

SA 0 has permanent DTC SPN 609 FMI 19  
SA 0 has permanent DTC SPN 1569 FMI 31  
SA 0 has permanent SPN 4334 FMI 4

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If new file

M1/D1/YYYY 23:59:59 Time Since Code Cleared by DM11

If existing file and Rollover Time Gap (Time Since Code Clear less than prior) then

M1/D1/YYYY 23:59:59 ERROR Time Since Code Clear Reset / Rollover

If existing file and excess time gap then,

M1/D1/YYYY 23:59:59 ERROR Excess Time Since Code Cleared Gap of 66 minutes.

Or if existing file and acceptable gap then,

M1/D1/YYYY 23:59:59 Time Since Code Cleared Gap of 6 minutes.

Note if If VIN or CAL ID Mismatch then Function F aborts and no message is stored.

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M1/D1/YYYY 23:59:59 Global Vehicle Distance

0307.622 204 07 18 EA FF F9 E0 FD 00

0307.634 204 12 18 C1 FF 00 00 00 00 80 14 06 00 (Vehicle Distance)

SPN 245 Total Vehicle Distance 3084.9 km (1916.9 miles).

M1/D1/YYYY 23:59:59 Global Engine Hours, Revolutions

0307.622 204 07 18 EA FF F9 E5 FE 00

0307.634 204 12 18 C1 FF 80 14 FE 05 00 00 00 00 00 (Engine Hours, Revolutions)

SPN 247 Engine Total Hours of Operation 76.7 hours

M1/D1/YYYY 23:59:59 I U M P R Data Collection Tool Data Plate Report END OF REPORT

M2/D2/YYYY 23:56:59 I U M P R Data Collection Tool for 13 CCR 1971.1 (l)(2) and (h)(1.7)  
M2/D2/YYYY 23:57:59 I U M P R Data Collection Tool version 99.999.999 of M2/D2/YYYY

IIIIIIIIII	UUU	UUU	MMM	MMM	PPPPPPPP	RRRRRRR	DATA MONITOR LOG
IIIIIIIIII	UUU	UUU	MMMM	MMMM	PPPPPPPP	RRRRRRRR	DATA MONITOR LOG
III	UUU	UUU	MMMMM	MMMMM	PPP	PPP	DATA MONITOR LOG
III	UUU	UUU	MMMMMMMMMMMMMM		PPP	PPP	DATA MONITOR LOG
III	UUU	UUU	MMM	MMM	PPP	PPP	DATA MONITOR LOG
III	UUU	UUU	MMM	M	MMM	PPP	DATA MONITOR LOG
III	UUU	UUU	MMM	MMM	PPPPPPPP	RRRRRRRR	DATA MONITOR LOG
III	UUU	UUU	MMM	MMM	PPPPPPPP	RRRRRRRR	DATA MONITOR LOG
III	UUU	UUU	MMM	MMM	PPP	RRR	DATA MONITOR LOG
III	UUU	UUU	MMM	MMM	PPP	RRR	DATA MONITOR LOG
III	UUU	UUU	MMM	MMM	PPP	RRR	DATA MONITOR LOG
IIIIIIIIII	UUUUUUUUUU	MMM	MMM	PPP	RRR	RRR	DATA MONITOR LOG
IIIIIIIIII	UUUUUUUUUU	MMM	MMM	PPP	RRR	RRR	DATA MONITOR LOG

M2/D2/YYYY 23:59:59 I U M P R Data Collection Tool Data Monitor Log

M2/D2/YYYY 23:59:59 I U M P R Data Collection Tool Data Collection Log

M2/D2/YYYY 23:59:59 Global VIN Request

1129.099 500 07 18 EA FF F9 EC FE 00 (Tx)  
1129.275 500 22 1C FE EC 00 33 48 41 4D 4B 53 54 4E 30 46 4C 35 37 35 30 31 32 2A  
(VIN)

M2/D2/YYYY 23:59:59 VIN: 3HAMKSTN0FL575012

M2/D2/YYYY 23:59:59 Global DM5 Request

1126.268 000 07 18 EA FF F9 CE FE 00 (Tx)  
1126.271 000 12 18 FE CE 55 FF FF 14 00 00 00 00 00 (DM5)  
Found Module 85: OBD compliance number = 20  
1126.280 000 12 18 FE CE 00 00 00 14 37 E0 1E E0 1E (DM5)  
Found Module 0: OBD compliance number = 20

M2/D2/YYYY 23:59:59 Global DM19 Request

1137.040 500 07 18 EA FF F9 00 D3 00 (Tx)  
1137.206 000 24 1C D3 00 55 51 BA FE BD 41 4E 54 35 41 53 52 31 20 20 00 00 00 00 00  
00 (DM19)  
CAL ID of #ANT5ASR1 and CVN of #BD FE BA 51 received from SA#85  
1137.222 500 24 1C D3 00 00 96 BF DC 40 50 42 54 35 4D 50 52 33 00 00 00 00 00 00  
00 (DM19)  
CAL ID of #PBT5MPR3 and CVN of #40 DC BF 96 received from SA#0  
1137.223 500 24 18 D3 00 3D 40 91 B9 3E 52 50 52 42 42 41 31 30 00 00 00 00 00 00  
00 (DM19)  
WARNING: Non-OBD Module response being used  
CAL ID of #RPRBBA10 and CVN of #3E B9 91 40 received from SA#61HD OBD Devices

M2/D2/YYYY 23:59:59 Global DM21

0307.622 204 07 18 EA FF F9 00 C1 00 (Tx)  
0307.634 204 12 18 C1 FF 00 00 00 00 00 00 00 00 0E 00 (DM21)

Distance Traveled While Mil is Activated	0 km (0 miles)
Distance Since DTCs Cleared	0 km (0 miles)
Time Run by Engine While Mil is Activated	0 minutes
Time Since Diagnostic Trouble Codes Cleared	14 minutes

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If Rollover Time Gap (Time Since Code Clear less than prior) then

M2/D2/YYYY 23:59:59 ERROR Time Since Code Clear Reset / Rollover

Else If excess time gap then,

M2/D2/YYYY 23:59:59 ERROR Excess Time Since Code Cleared Gap of 66 minutes.

Or else acceptable gap then,

M2/D2/YYYY 23:59:59 Time Since Code Cleared Gap of 6 minutes.

Note if VIN or CAL ID Mismatch then Function F aborts and no message is stored.

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M2/D2/YYYY 00:00:01 Global DM5 Request

1126.268 000 07 18 EA FF F9 CE FE 00 (Tx)  
1126.271 000 12 18 FE CE 55 FF FF 14 00 00 00 00 00 (DM5)  
1126.280 000 12 18 FE CE 00 00 00 14 37 E0 1E E0 1E (DM5)

M2/D2/YYYY 00:00:01 Global DM20 Request

1126.289 000 07 18 EA FF F9 00 C2 00 (Tx)  
1126.828 500 64 1C C2 00 00 0C 00 01 00 CA 14 F8 00 00 01 00 B8 12 F8 00 00 01 00 BC  
14 F8 00 00 00 00 F8 0B F8 00 00 01 00 C6 14 F8 00 00 01 00 F2 0B F8 00 00 01 00 C9 14 F8  
00 00 01 00 EF 0B F8 00 00 01 00 (DM20)

M2/D2/YYYY 00:03:01 Global DM5 Request

1306.268 000 07 18 EA FF F9 CE FE 00 (Tx)  
1306.271 000 12 18 FE CE 55 FF FF 14 00 00 00 00 00 (DM5)  
1306.280 000 12 18 FE CE 00 00 00 14 37 E0 1E E0 1E (DM5)

M2/D2/YYYY 00:03:01 Global DM20 Request

1306.289 000 07 18 EA FF F9 00 C2 00 (Tx)  
1306.828 500 64 1C C2 00 00 0C 00 01 00 CA 14 F8 00 00 01 00 B8 12 F8 00 00 01 00 BC  
14 F8 00 00 00 00 F8 0B F8 00 00 01 00 C6 14 F8 00 00 01 00 F2 0B F8 00 00 01 00 C9 14 F8  
00 00 01 00 EF 0B F8 00 00 01 00 (DM20)

M2/D2/YYYY 00:06:01 Global DM5 Request

1486.268 000 07 18 EA FF F9 CE FE 00 (Tx)  
1486.271 000 12 18 FE CE 55 FF FF 14 00 00 00 00 00 (DM5)  
1486.280 000 12 18 FE CE 00 00 00 14 37 E0 1E E0 1E (DM5)

M2/D2/YYYY 00:06:01 Global DM20 Request

1486.289 000 07 18 EA FF F9 00 C2 00 (Tx)  
1486.828 500 64 1C C2 00 00 0C 00 01 00 CA 14 F8 00 00 01 00 B8 12 F8 00 00 01 00 BC  
14 F8 00 00 00 00 F8 0B F8 00 00 01 00 C6 14 F8 00 00 01 00 F2 0B F8 00 00 01 00 C9 14 F8  
00 00 01 00 EF 0B F8 00 00 01 00 (DM20)

M2/D2/YYYY 00:09:01 Global DM5 Request

1666.268 000 07 18 EA FF F9 CE FE 00 (Tx)  
1666.271 000 12 18 FE CE 55 FF FF 14 00 00 00 00 00 (DM5)  
1666.280 000 12 18 FE CE 00 00 00 14 37 E0 1E E0 1E (DM5)

M2/D2/YYYY 00:09:01 Global DM20 Request

1666.289 000 07 18 EA FF F9 00 C2 00 (Tx)  
1666.828 500 64 1C C2 00 00 0C 00 01 00 CA 14 F8 00 00 01 00 B8 12 F8 00 00 01 00 BC  
14 F8 00 00 00 00 F8 0B F8 00 00 01 00 C6 14 F8 00 00 01 00 F2 0B F8 00 00 01 00 C9 14 F8  
00 00 01 00 EF 0B F8 00 00 01 00 (DM20)

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M2/D2/YYYY 23:59:59 Global DM5 Request

1126.268 000 07 18 EA FF F9 CE FE 00 (Tx)  
1126.271 000 12 18 FE CE 55 FF FF 14 00 00 00 00 00 (DM5)  
1126.280 000 12 18 FE CE 00 00 00 14 37 E0 1E E0 1E (DM5)

M2/D2/YYYY 23:59:59 Global DM20 Request  
1139.289 000 07 18 EA FF F9 00 C2 00 (Tx)  
1139.828 500 64 1C C2 00 00 0C 00 01 00 CA 14 F8 00 00 01 00 B8 12 F8 00 00 01 00 BC  
14 F8 00 00 00 00 F8 0B F8 00 00 01 00 C6 14 F8 00 00 01 00 F2 0B F8 00 00 01 00 C9 14 F8  
00 00 01 00 EF 0B F8 00 00 01 00 (DM20)

M2/D2/YYYY 23:59:59 Global DM5 Request  
1126.268 000 07 18 EA FF F9 CE FE 00 (Tx)  
1126.271 000 12 18 FE CE 55 FF FF 14 00 00 00 00 00 (DM5)  
1126.280 000 12 18 FE CE 00 00 00 14 37 E0 1E E0 1E (DM5)

M2/D2/YYYY 23:59:59 Global DM20 Request  
1139.289 000 07 18 EA FF F9 00 C2 00 (Tx)  
1139.828 500 64 1C C2 00 00 0C 00 01 00 CA 14 F8 00 00 01 00 B8 12 F8 00 00 01 00 BC  
14 F8 00 00 00 00 F8 0B F8 00 00 01 00 C6 14 F8 00 00 01 00 F2 0B F8 00 00 01 00 C9 14 F8  
00 00 01 00 EF 0B F8 00 00 01 00 (DM20)

M2/D2/YYYY 23:59:59 Global DM5 Request  
1126.268 000 07 18 EA FF F9 CE FE 00 (Tx)  
1126.271 000 12 18 FE CE 55 FF FF 14 00 00 00 00 00 (DM5)  
1126.280 000 12 18 FE CE 00 00 00 14 37 E0 1E E0 1E (DM5)

M2/D2/YYYY 23:59:59 Global DM20 Request  
1139.289 000 07 18 EA FF F9 00 C2 00 (Tx)  
1139.828 500 64 1C C2 00 00 0C 00 01 00 CA 14 F8 00 00 01 00 B8 12 F8 00 00 01 00 BC  
14 F8 00 00 00 00 F8 0B F8 00 00 01 00 C6 14 F8 00 00 01 00 F2 0B F8 00 00 01 00 C9 14 F8  
00 00 01 00 EF 0B F8 00 00 01 00 (DM20)

M2/D2/YYYY 23:59:59 Global DM5 Request  
1126.268 000 07 18 EA FF F9 CE FE 00 (Tx)  
1126.271 000 12 18 FE CE 55 FF FF 14 00 00 00 00 00 (DM5)  
1126.280 000 12 18 FE CE 00 00 00 14 37 E0 1E E0 1E (DM5)

M2/D2/YYYY 23:59:59 Global DM20 Request  
1139.289 000 07 18 EA FF F9 00 C2 00 (Tx)  
1139.828 500 64 1C C2 00 00 0C 00 01 00 CA 14 F8 00 00 01 00 B8 12 F8 00 00 01 00 BC  
14 F8 00 00 00 00 F8 0B F8 00 00 01 00 C6 14 F8 00 00 01 00 F2 0B F8 00 00 01 00 C9 14 F8  
00 00 01 00 EF 0B F8 00 00 01 00 (DM20)

M2/D2/YYYY 23:59:59 Global DM5 Request  
1126.268 000 07 18 EA FF F9 CE FE 00 (Tx)  
1126.271 000 12 18 FE CE 55 FF FF 14 00 00 00 00 00 (DM5)  
1126.280 000 12 18 FE CE 00 00 00 14 37 E0 1E E0 1E (DM5)

M2/D2/YYYY 23:59:59 Global DM20 Request  
1139.289 000 07 18 EA FF F9 00 C2 00 (Tx)  
1139.828 500 64 1C C2 00 00 0C 00 01 00 CA 14 F8 00 00 01 00 B8 12 F8 00 00 01 00 BC  
14 F8 00 00 00 00 F8 0B F8 00 00 01 00 C6 14 F8 00 00 01 00 F2 0B F8 00 00 01 00 C9 14 F8  
00 00 01 00 EF 0B F8 00 00 01 00 (DM20)

M2/D2/YYYY 23:59:59 Global DM5 Request  
1126.268 000 07 18 EA FF F9 CE FE 00 (Tx)  
1126.271 000 12 18 FE CE 55 FF FF 14 00 00 00 00 00 (DM5)  
1126.280 000 12 18 FE CE 00 00 00 14 37 E0 1E E0 1E (DM5)

M2/D2/YYYY 23:59:59 Global DM20 Request  
1139.289 000 07 18 EA FF F9 00 C2 00 (Tx)  
1139.828 500 64 1C C2 00 00 0C 00 01 00 CA 14 F8 00 00 01 00 B8 12 F8 00 00 01 00 BC  
14 F8 00 00 00 00 F8 0B F8 00 00 01 00 C6 14 F8 00 00 01 00 F2 0B F8 00 00 01 00 C9 14 F8  
00 00 01 00 EF 0B F8 00 00 01 00 (DM20)

M2/D2/YYYY 23:59:59 DM5 / DM20 Data Changed



M2/D2/YYYY 23:59:59 Vehicle composite of DM5:

Comprehensive components support is: supported (1)  
Comprehensive components status is: test complete or not supported (0)  
Misfire monitoring support is: supported (1)  
Misfire monitoring status is: test not complete (1)  
Fuel system monitoring support is: supported (1)  
Fuel system monitoring status is: test not complete (1)  
Catalyst monitoring support is: not supported (0)  
Catalyst monitoring status is: test complete or not supported (0)  
Heated catalyst monitoring support is: not supported (0)  
Heated catalyst monitoring status is: test complete or not supported (0)  
Evaporative system monitoring support is: not supported (0)  
Evaporative system monitoring status is: test complete or not supported (0)  
Secondary air system monitoring support is: not supported (0)  
Secondary air system monitoring status is: test complete or not supported (0)  
A/C system refrigerant monitoring support is: not supported (0)  
A/C system refrigerant monitoring status is: test complete or not supported (0)  
Exhaust sensor monitoring support is: supported (1)  
Exhaust sensor monitoring status is: test not complete (1)  
Exhaust gas sensor heater monitoring support is: supported (1)  
Exhaust gas sensor heater monitoring status is: test not complete (1)  
EGR system monitoring support is: supported (1)  
EGR system monitoring status is: test not complete (1)  
Cold start aid system monitoring support is: not supported (0)  
Cold start aid system monitoring status is: test complete or not supported (0)  
Boost pressure control support is: supported (1)  
Boost pressure control status is: test not complete (1)  
Diesel Particulate Filter (DPF) support is: supported (1)  
Diesel Particulate Filter (DPF) status is: test not complete (1)  
NOx converting catalyst and/or NOx adsorber support is: supported (1)  
NOx converting catalyst and/or NOx adsorber status is: test not complete (1)  
NMHC converting catalyst support is: supported (1)  
NMHC converting catalyst status is: test not complete (1)

M2/D2/YYYY 13:59:59 Monitor Counts from SA 0	Numerator	Denominator
SPN 3048 Ignition Cycle,		1
SPN 3049 OBD Monitoring Conditions Encountered		1
SPN 5322 NMHC Converting Catalyst System Monitor	0,	1
SPN 4792 SCR Catalyst System	0,	1
SPN 5308 EGR System Monitor	0,	0
SPN 3064 Diesel Particulate Filter System Monitor	0,	1
SPN 5318 Exhaust Gas Sensor System Monitor	0,	1
SPN 3058 EGR System Monitor	0,	1
SPN 5321 Intake Manifold Pressure System Monitor	0,	1
SPN 3055 Fuel System Monitor	0,	1

M2/D2/YYYY 23:59:59 Monitor Counts from SA 0	Numerator	Denominator
SPN 3048 Ignition Cycle,		1
SPN 3049 OBD Monitoring Conditions Encountered		1
*SPN 5322 NMHC Converting Catalyst System Monitor	0,	X*
SPN 4792 SCR Catalyst System	0,	1
*SPN 5308 EGR System Monitor	Y*	Z*
SPN 3064 Diesel Particulate Filter System Monitor	0,	1
SPN 5318 Exhaust Gas Sensor System Monitor	0,	1
SPN 3058 EGR System Monitor	0,	1
SPN 5321 Intake Manifold Pressure System Monitor	0,	1
SPN 3055 Fuel System Monitor	0,	1

M2/D2/YYYY 23:59:59 Global DM21 Request

0307.622 204 07 18 EA FF F9 00 C1 00 (Tx)  
0307.634 204 12 18 C1 FF 00 00 00 00 00 00 0E 00 (DM21)

Distance Traveled While Mil is Activated 0 km (0 miles)

Distance Since DTCs Cleared	0 km (0 miles)
Time Run by Engine While Mil is Activated	0 minutes
Time Since Diagnostic Trouble Codes Cleared	14 minutes

M2/D2/YYYY 23:59:59 Global Vehicle Distance Request

0307.622 204 07 18 EA FF F9 E0 FD 00

0307.634 204 12 18 C1 FF 00 00 00 00 00 80 14 06 00 (Vehicle Distance)

SPN 245 Total Vehicle Distance 3084.9 km (1916.9 miles)

M2/D2/YYYY 23:59:59 Global Engine Hours, Revolutions Request

0307.622 204 07 18 EA FF F9 E5 FE 00

0307.634 204 12 18 C1 FF 80 14 FE 05 00 00 00 00 00 (Engine Hours, Revolutions)

SPN 247 Engine Total Hours of Operation 76.7 hours

M2/D2/YYYY 23:59:59 I U M P R Data Collection Tool Data Monitor Log - END OF REPORT

M3/D3/YYYY 23:56:59 I U M P R Data Collection Tool for 13 CCR 1971.1 (1)(2) and (h)(1.7)  
M3/D3/YYYY 23:57:59 I U M P R Data Collection Tool version 99.999.999 of M3/D3/YYYY

IIIIIIIII	UUU	UUU	MMM	MMM	PPPPPPP	RRRRRRR	DATA COLLECTION LOG
IIIIIIIII	UUU	UUU	MMMM	MMMM	PPPPPPPP	RRRRRRRR	DATA COLLECTION LOG
III	UUU	UUU	MMMMM	MMMMM	PPP	PPP	DATA COLLECTION LOG
III	UUU	UUU	MMMMMMMMMMMMMM		PPP	PPP	DATA COLLECTION LOG
III	UUU	UUU	MMM	MMM	MMM	PPP	DATA COLLECTION LOG
III	UUU	UUU	MMM	M	MMM	PPP	DATA COLLECTION LOG
III	UUU	UUU	MMM	MMM	PPPPPPPP	RRRRRRRR	DATA COLLECTION LOG
III	UUU	UUU	MMM	MMM	PPPPPPPP	RRRRRRRR	DATA COLLECTION LOG
III	UUU	UUU	MMM	MMM	PPP	RRR	DATA COLLECTION LOG
III	UUU	UUU	MMM	MMM	PPP	RRR	DATA COLLECTION LOG
III	UUU	UUU	MMM	MMM	PPP	RRR	DATA COLLECTION LOG
IIIIIIIII	UUUUUUUUUU	MMM	MMM	PPP	RRR	RRR	DATA COLLECTION LOG
IIIIIIIII	UUUUUUUUUU	MMM	MMM	PPP	RRR	RRR	DATA COLLECTION LOG

M3/D3/YYYY 23:59:59 I U M P R Data Collection Tool Data Collection Log

M3/D3/YYYY 23:59:59 Global VIN Request

1129.099 500 07 18 EA FF F9 EC FE 00 (Tx)  
1129.275 500 22 1C FE EC 00 33 48 41 4D 4B 53 54 4E 30 46 4C 35 37 35 30 31 32 2A  
(VIN)

M3/D3/YYYY 23:59:59 VIN: 3HAMKSTN0FL575012

M3/D3/YYYY 23:59:59 Global DM5 Request

1126.268 000 07 18 EA FF F9 CE FE 00 (Tx)  
1126.271 000 12 18 FE CE 55 FF FF 14 00 00 00 00 00 (DM5)  
Found Module 85: OBD compliance number = 20  
1126.280 000 12 18 FE CE 00 00 00 14 37 E0 1E E0 1E (DM5)  
Found Module 0: OBD compliance number = 20

M3/D3/YYYY 23:59:59 Global DM19 Request

1137.040 500 07 18 EA FF F9 00 D3 00 (Tx)  
1137.206 000 24 1C D3 00 55 51 BA FE BD 41 4E 54 35 41 53 52 31 20 20 00 00 00 00 00  
00 (DM19)  
CAL ID of #ANT5ASR1 and CVN of #BD FE BA 51 received from SA#85  
1137.222 500 24 1C D3 00 00 96 BF DC 40 50 42 54 35 4D 50 52 33 00 00 00 00 00 00  
00 (DM19)  
CAL ID of #PBT5MPR3 and CVN of #40 DC BF 96 received from SA#0  
1137.223 500 24 18 D3 00 3D 40 91 B9 3E 52 50 52 42 42 41 31 30 00 00 00 00 00 00  
00 (DM19)  
WARNING: Non-OBD Module response being used  
CAL ID of #RPRBBA10 and CVN of #3E B9 91 40 received from SA#61

HD OBD Devices

M3/D3/YYYY 23:59:59 OBD DEVICES

SA: 85, Diesel Particulate Filter Controller  
CAL ID: ANT5ASR1  
CVN: 0xBDFEBA51  
ESN: 00000000 MAKE MODEL 6X2u07D1500000000

SA: 0, Engine #1  
CAL ID: PBT5MPR3  
CVN: 0x40DCBF96  
ESN: 570HM2U3545277 MAKE INT MODEL 570261221315646M13

M3/D3/YYYY 23:59:59 non HD OBD Devices

SA: 61, Exhaust Emission Controller  
CAL ID: RPRBBA10  
CVN: 0x3EB99140

M3/D3/YYYY 23:59:59 Global DM21 Request  
0307.622 204 07 18 EA FF F9 00 C1 00 (Tx)  
0307.634 204 12 18 C1 FF 00 00 00 00 00 00 0E 00 (DM21)

Distance Traveled While Mil is Activated	0 km (0 miles)
Distance Since DTCs Cleared	0 km (0 miles)
Time Run by Engine While Mil is Activated	0 minutes
Time Since Diagnostic Trouble Codes Cleared	14 minutes

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If Rollover Time Gap (Time Since Code Clear less than prior) then

M3/D3/YYYY 23:59:59 ERROR Time Since Code Clear Reset / Rollover

If excess time gap then,

M3/D3/YYYY 23:59:59 ERROR Excess Time Since Code Cleared Gap of 66 minutes.

Or if acceptable gap then,

M3/D3/YYYY 23:59:59 Time Since Code Cleared Gap of 6 minutes.

Note if If VIN or CAL ID Mismatch then Function F aborts and no message is stored.

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M3/D3/YYYY 23:59:59 Direct DM24 Request  
1128.056 000 07 18 EA 00 F9 B6 FD 00 (Tx)  
1128.786 500 484 1C FD B6 00 5C 00 1C 01 00 02 1C 01 01 02 1C 01 20 02 1C 02 1B 02 1C  
01 1C 02 1C 01 1D 02 1C 01 1E 02 1C 01 1F 02 1C 01 6E 00 1C 01 AF 00 1C 02 BE 00 1C 02 54  
00 1C 02 6C 00 1C 01 9E 00 1C 02 33 00 1C 01 5E 00 1C 01 AC 00 1C 01 69 00 1C 01 84 00 1C  
02 D0 03 1C 01 5B 00 1C 01 B7 00 1C 02 66 00 18 01 AD 00 1C 02 B3 0C 1C 02 9B 0D 1C 01 CD  
16 1C 01 E5 0C 1C 02 5A 15 1C 02 CB 14 1C 01 88 0D 1C 02 B9 04 1C 02 A5 15 1C 01 A4 00 18  
02 E7 0A 1C 02 85 05 1C 02 86 05 1C 02 87 05 1C 02 88 05 1C 02 89 05 1C 02 8A 05 1C 02 EB  
0D 1C 01 1B 00 1C 02 AA 0C 1C 02 AE 0C 1C 02 90 0C 18 02 39 04 1C 01 A5 04 1C 01 C2 14 1C  
02 19 0E 1E 02 98 0D 1E 02 9A 0C 1C 02 E1 06 1C 01 9A 0D 1E 01 A2 0D 1E 01 08 11 1E 02 0B  
11 1E 02 D7 0B 1E 01 45 11 1F 01 95 04 18 02 ED 00 1D 11 A1 10 1B 01 00 09 1F 01 83 03 1D  
01 01 09 1F 01 FD 0B 1D 01 DE 0C 1D 01 DF 0C 1D 01 E0 0C 1D 01 E6 0C 1D 01 87 0E 1D 01 2B  
05 1B 01 2C 05 1B 01 2D 05 1B 01 2E 05 1B 01 2F 05 1B 01 30 05 1B 01 46 0A 1B 02 63 0A 1B  
02 2A 05 1B 01 90 12 1B 01 9E 12 1F 02 C7 14 1F 01 8B 02 1B 01 8C 02 1B 01 8D 02 1B 01 8E  
02 1B 01 8F 02 1B 01 90 02 1B 01 8F 0D 1B 01 E4 0D 1B 01 03 09 1F 01 0A 10 1D 01 C0 04 1D  
01 C4 04 1D 01 1F 10 1D 01 22 10 1D 01 AB 00 1D 02 9D 00 1F 02 3F 0A 1D 01 F7 00 1D 04 EB  
00 1D 04 BD 04 1D 01 E7 0C 1D 01 E8 0C 1D 01 4E 15 1D 04 4C 02 1D 11 EF 0B 1F 01 57 15 1D  
01 F8 00 1D 04 00 00 1F 00 00 00 1F 00 00 00 1F 00 00 00 1F 00 00 00 1F 00 00 00 1F 00 00  
00 1F 00 00 00 1F 00 00 00 1F 00 (DM24)

M3/D3/YYYY 23:59:59 DM24 SPNs with scaled test results for SA 0:  
102, 164, 3216, 1173, 4257, 1323, 1324, 1325, 1326, 1327, 1328, 2630, 2659, 1322, 4752,  
651, 652, 653, 654, 655, 656, 3471, 3556,

M3/D3/YYYY 23:59:59 Direct DM24 Request  
1129.004 000 07 18 EA 55 F9 B6 FD 00 (Tx)  
1129.040 000 112 18 FD B6 55 A7 13 1B 00 0C 11 1B 00 9A 0C 1B 00 BA 12 1B 00 B2 14 1B  
00 BC 12 1B 00 60 0F 1B 00 BB 12 1B 00 C7 14 1B 00 E4 0D 1B 00 15 15 1B 00 A0 13 1B 00 90  
0C 1B 00 92 0C 1B 00 1E 11 1B 00 9C 0C 1B 00 19 11 1B 00 1C 11 1B 00 B3 0C 1B 00 B6 14 1B  
00 F2 0E 1B 00 EB 10 1B 00 EE 10 1B 00 22 0D 1B 00 98 0D 1B 00 9A 0D 1B 00 FE 0F 1B 00  
(DM24)

M3/D3/YYYY 23:59:59 DM24 SPNs with scaled test results for SA 85:  
5031, 4364, 3226, 4794, 5298, 4796, 3936, 4795, 5319, 3556, 5397, 5024, 3216, 3218, 4382, 3228, 4377, 4380, 3251, 5302, 3826, 4331, 4334, 3362, 3480, 3482, 4094,

M3/D3/YYYY 23:59:59 DM7 w/TID 247 + FMI 31 for each DM24 SPN for SA 0

2017.799 500 12 18 E3 00 F9 F7 66 00 1F FF FF FF FF (DM7) (Tx)  
2017.880 000 40 1C A4 00 00 F7 66 00 12 D0 00 00 FB FF FF FF FF F7 66 00 10 6A 00 00  
FB FF FF FF FF F7 66 00 0A 0C 00 00 FB FF FF FF FF (DM30)  
2017.896 500 12 18 E3 00 F9 F7 A4 00 1F FF FF FF FF (DM7) (Tx)  
2017.955 000 28 1C A4 00 00 F7 A4 00 10 89 01 65 71 FF FF F1 6D F7 A4 00 12 89 01 65  
71 37 73 FF FF (DM30)  
2017.971 000 12 18 E3 00 F9 F7 90 0C 1F FF FF FF FF (DM7) (Tx)  
2018.050 000 40 1C A4 00 00 F7 90 0C 14 EC 00 00 FB FF FF FF FF F7 90 0C 15 EC 00 00  
FB FF FF FF FF F7 90 0C 02 EC 00 00 FB FF FF FF FF (DM30)  
2018.066 000 12 18 E3 00 F9 F7 95 04 1F FF FF FF FF (DM7) (Tx)  
2018.100 000 16 1C A4 00 00 F7 95 04 10 66 01 00 FB FF FF FF FF (DM30)  
2018.113 000 12 18 E3 00 F9 F7 A1 10 1F FF FF FF FF (DM7) (Tx)  
2018.164 500 28 1C A4 00 00 F7 A1 10 12 44 00 00 FB FF FF FF FF F7 A1 10 10 44 00 00  
FB FF FF FF FF (DM30)  
2018.184 000 12 18 E3 00 F9 F7 2B 05 1F FF FF FF FF (DM7) (Tx)  
2018.209 500 16 1C A4 00 00 F7 2B 05 1F 3E 01 00 FB FF FF FF FF (DM30)  
2018.221 000 12 18 E3 00 F9 F7 2C 05 1F FF FF FF FF (DM7) (Tx)  
2018.249 500 16 1C A4 00 00 F7 2C 05 1F 3E 01 00 FB FF FF FF FF (DM30)  
2018.259 500 12 18 E3 00 F9 F7 2D 05 1F FF FF FF FF (DM7) (Tx)  
2018.299 500 16 1C A4 00 00 F7 2D 05 1F 3E 01 00 FB FF FF FF FF (DM30)  
2018.305 500 12 18 E3 00 F9 F7 2E 05 1F FF FF FF FF (DM7) (Tx)  
2018.339 500 16 1C A4 00 00 F7 2E 05 1F 3E 01 00 FB FF FF FF FF (DM30)  
2018.352 500 12 18 E3 00 F9 F7 2F 05 1F FF FF FF FF (DM7) (Tx)  
2018.389 500 16 1C A4 00 00 F7 2F 05 1F 3E 01 00 FB FF FF FF FF (DM30)  
2018.400 500 12 18 E3 00 F9 F7 30 05 1F FF FF FF FF (DM7) (Tx)  
2018.444 500 16 1C A4 00 00 F7 30 05 1F 3E 01 00 FB FF FF FF FF (DM30)  
2018.456 500 12 18 E3 00 F9 F7 46 0A 1F FF FF FF FF (DM7) (Tx)  
2018.492 500 16 1C A4 00 00 F7 46 0A 10 66 01 00 FB FF FF FF FF (DM30)  
2018.505 500 12 18 E3 00 F9 F7 63 0A 1F FF FF FF FF (DM7) (Tx)  
2018.579 000 40 1C A4 00 00 F7 63 0A 15 12 00 00 FB FF FF FF FF F7 63 0A 14 12 00 00  
FB FF FF FF FF F7 63 0A 0A 0C 00 00 FB FF FF FF FF (DM30)  
2018.598 000 12 18 E3 00 F9 F7 2A 05 1F FF FF FF FF (DM7) (Tx)  
2018.729 000 76 1C A4 00 00 F7 2A 05 1F 3E 01 00 FB FF FF FF FF F7 2A 05 1F 3E 01 00  
FB FF FF FF FF F7 2A 05 1F 3E 01 00 FB FF FF FF FF F7 2A 05 1F 3E 01 00 FB FF FF FF FF F7  
2A 05 1F 3E 01 00 FB FF FF FF FF F7 2A 05 1F 3E 01 00 FB FF FF FF FF (DM30)  
2018.765 000 12 18 E3 00 F9 F7 90 12 1F FF FF FF FF (DM7) (Tx)  
2018.793 500 16 1C A4 00 00 F7 90 12 04 44 00 00 FB FF FF FF FF (DM30)  
2018.801 000 12 18 E3 00 F9 F7 8B 02 1F FF FF FF FF (DM7) (Tx)  
2018.828 500 16 1C A4 00 00 F7 8B 02 0E 3E 01 00 FB FF FF FF FF (DM30)  
2018.841 000 12 18 E3 00 F9 F7 8C 02 1F FF FF FF FF (DM7) (Tx)  
2018.874 000 16 1C A4 00 00 F7 8C 02 0E 3E 01 00 FB FF FF FF FF (DM30)  
2018.890 000 12 18 E3 00 F9 F7 8D 02 1F FF FF FF FF (DM7) (Tx)  
2018.928 500 16 1C A4 00 00 F7 8D 02 0E 3E 01 00 FB FF FF FF FF (DM30)  
2018.938 500 12 18 E3 00 F9 F7 8E 02 1F FF FF FF FF (DM7) (Tx)  
2018.983 500 16 1C A4 00 00 F7 8E 02 0E 3E 01 00 FB FF FF FF FF (DM30)  
2018.996 500 12 18 E3 00 F9 F7 8F 02 1F FF FF FF FF (DM7) (Tx)  
2019.038 500 16 1C A4 00 00 F7 8F 02 0E 3E 01 00 FB FF FF FF FF (DM30)  
2019.055 500 12 18 E3 00 F9 F7 90 02 1F FF FF FF FF (DM7) (Tx)  
2019.088 500 16 1C A4 00 00 F7 90 02 0E 3E 01 00 FB FF FF FF FF (DM30)  
2019.103 500 12 18 E3 00 F9 F7 8F 0D 1F FF FF FF FF (DM7) (Tx)  
2019.491 000 244 1C A4 00 00 F7 8F 0D 01 63 01 00 FB FF FF FF FF F7 8F 0D 01 63 01 00  
FB FF FF FF FF F7 8F 0D 01 63 01 00 FB FF FF FF FF F7 8F 0D 01 63 01 00 FB FF FF FF FF F7  
8F 0D 01 63 01 00 FB FF FF FF FF F7 8F 0D 07 63 01 00 FB FF FF FF FF F7 8F 0D 07 63 01 00  
FB FF FF FF FF F7 8F 0D 07 63 01 00 FB FF FF FF FF F7 8F 0D 07 63 01 00 FB FF FF FF FF F7  
8F 0D 07 63 01 00 FB FF FF FF FF F7 8F 0D 07 63 01 00 FB FF FF FF FF F7 8F 0D 07 63 01 00  
FB FF FF FF FF F7 8F 0D 07 63 01 00 FB FF FF FF FF F7 8F 0D 07 63 01 00 FB FF FF FF FF F7  
8F 0D 07 63 01 00 FB FF FF FF FF F7 8F 0D 07 63 01 00 FB FF FF FF FF F7 8F 0D 07 63 01 00

FB FF FF FF FF F7 8F 0D 07 63 01 00 FB FF FF FF FF F7 8F 0D 07 63 01 00 FB FF FF FF FF F7  
8F 0D 07 63 01 00 FB FF FF FF FF (DM30)  
2019.554 000 12 18 E3 00 F9 F7 E4 0D 1F FF FF FF FF (DM7) (Tx)  
2019.837 000 184 1C A4 00 00 F7 E4 0D 00 63 01 00 FB FF FF FF FF F7 E4 0D 00 63 01 00  
FB FF FF FF FF F7 E4 0D 00 63 01 00 FB FF FF FF FF F7 E4 0D 00 63 01 00 FB FF FF FF FF F7  
E4 0D 00 63 01 00 FB FF FF FF FF F7 E4 0D 01 63 01 00 FB FF FF FF FF F7 E4 0D 01 63 01 00  
FB FF FF FF FF F7 E4 0D 01 63 01 00 FB FF FF FF FF F7 E4 0D 01 63 01 00 FB FF FF FF FF F7  
E4 0D 01 63 01 00 FB FF FF FF FF F7 E4 0D 07 63 01 00 FB FF FF FF FF F7 E4 0D 07 63 01 00  
FB FF FF FF FF F7 E4 0D 07 63 01 00 FB FF FF FF FF F7 E4 0D 07 63 01 00 FB FF FF FF FF F7  
E4 0D 07 63 01 00 FB FF FF FF FF (DM30)

M3/D3/YYYY 23:59:59 DM7 w/TID 247 + FMI 31 for each DM24 SPN for SA 85

2019.893 000 12 18 E3 55 F9 F7 A7 13 1F FF FF FF FF (DM7) (Tx)  
2019.911 500 40 18 A4 00 55 F7 A7 13 0A 00 01 00 FB FF FF FF FF F7 A7 13 0A 0C 00 00  
FB FF FF FF FF F7 A7 13 0A 12 00 00 FB FF FF FF FF (DM30)  
2019.929 000 12 18 E3 55 F9 F7 0C 11 1F FF FF FF FF (DM7) (Tx)  
2019.944 500 16 18 A4 00 55 F7 0C 11 12 20 00 00 FB FF FF FF FF (DM30)  
2019.952 000 12 18 E3 55 F9 F7 9A 0C 1F FF FF FF FF (DM7) (Tx)  
2019.977 000 88 18 A4 00 55 F7 9A 0C 0A 00 01 00 FB FF FF FF FF F7 9A 0C 0A 12 00 00  
FB FF FF FF FF F7 9A 0C 02 EC 00 00 FB FF FF FF FF F7 9A 0C 02 00 01 00 FB FF FF FF FF F7  
9A 0C 02 00 01 00 FB FF FF FF FF F7 9A 0C 14 EC 00 00 FB FF FF FF FF F7 9A 0C 15 EC 00 00  
FB FF FF FF FF (DM30)  
2019.993 000 12 18 E3 55 F9 F7 BA 12 1F FF FF FF FF (DM7) (Tx)  
2020.009 000 16 18 A4 00 55 F7 BA 12 1F 20 00 00 FB FF FF FF FF (DM30)  
2020.017 000 12 18 E3 55 F9 F7 B2 14 1F FF FF FF FF (DM7) (Tx)  
2020.036 000 28 18 A4 00 55 F7 B2 14 12 20 00 00 FB FF FF FF FF F7 B2 14 11 32 01 00  
FB FF FF FF FF (DM30)  
2020.059 000 12 18 E3 55 F9 F7 BC 12 1F FF FF FF FF (DM7) (Tx)  
2020.079 000 16 18 A4 00 55 F7 BC 12 1F 44 00 00 FB FF FF FF FF (DM30)  
2020.100 000 12 18 E3 55 F9 F7 60 0F 1F FF FF FF FF (DM7) (Tx)  
2020.118 500 16 18 A4 00 55 F7 60 0F 10 20 00 00 FB FF FF FF FF (DM30)  
2020.138 000 12 18 E3 55 F9 F7 BB 12 1F FF FF FF FF (DM7) (Tx)  
2020.154 000 16 18 A4 00 55 F7 BB 12 1F 8A 01 00 FB FF FF FF FF (DM30)  
2020.166 000 12 18 E3 55 F9 F7 C7 14 1F FF FF FF FF (DM7) (Tx)  
2020.185 000 16 18 A4 00 55 F7 C7 14 1F 1F 01 00 FB FF FF FF FF (DM30)  
2020.193 500 12 18 E3 55 F9 F7 E4 0D 1F FF FF FF FF (DM7) (Tx)  
2020.217 000 40 18 A4 00 55 F7 E4 0D 12 00 00 00 FB FF FF FF FF F7 E4 0D 02 00 00 00  
FB FF FF FF FF F7 E4 0D 02 00 00 00 FB FF FF FF FF (DM30)  
2020.237 500 12 18 E3 55 F9 F7 15 15 1F FF FF FF FF (DM7) (Tx)  
2020.254 500 16 18 A4 00 55 F7 15 15 1F D0 00 00 FB FF FF FF FF (DM30)  
2020.264 500 12 18 E3 55 F9 F7 A0 13 1F FF FF FF FF (DM7) (Tx)  
2020.287 500 40 18 A4 00 55 F7 A0 13 0A 12 00 00 FB FF FF FF FF F7 A0 13 0A 00 01 00  
FB FF FF FF FF F7 A0 13 0A D0 00 00 FB FF FF FF FF (DM30)  
2020.306 500 12 18 E3 55 F9 F7 90 0C 1F FF FF FF FF (DM7) (Tx)  
2020.324 000 16 18 A4 00 55 F7 90 0C 0A 00 01 00 FB FF FF FF FF (DM30)  
2020.332 500 12 18 E3 55 F9 F7 92 0C 1F FF FF FF FF (DM7) (Tx)  
2020.349 000 16 18 A4 00 55 F7 92 0C 02 D0 00 00 FB FF FF FF FF (DM30)  
2020.360 500 12 18 E3 55 F9 F7 1E 11 1F FF FF FF FF (DM7) (Tx)  
2020.381 500 40 18 A4 00 55 F7 1E 11 0A D0 00 00 FB FF FF FF FF F7 1E 11 0A 00 01 00  
FB FF FF FF FF F7 1E 11 0A 12 00 00 FB FF FF FF FF (DM30)  
2020.402 500 12 18 E3 55 F9 F7 9C 0C 1F FF FF FF FF (DM7) (Tx)  
2020.418 500 16 18 A4 00 55 F7 9C 0C 02 D0 00 00 FB FF FF FF FF (DM30)  
Received DM30 test results for SPN #3228 and FMI 2 from SA 85  
2020.430 500 12 18 E3 55 F9 F7 19 11 1F FF FF FF FF (DM7) (Tx)  
2020.453 000 52 18 A4 00 55 F7 19 11 0A 00 01 00 FB FF FF FF FF F7 19 11 14 20 00 00  
FB FF FF FF FF F7 19 11 15 86 01 00 FB FF FF FF FF F7 19 11 02 8A 01 00 FB FF FF FF FF  
(DM30)  
2020.478 500 12 18 E3 55 F9 F7 1C 11 1F FF FF FF FF (DM7) (Tx)  
2020.493 500 16 18 A4 00 55 F7 1C 11 02 D0 00 00 FB FF FF FF FF (DM30)  
2020.506 000 12 18 E3 55 F9 F7 B3 0C 1F FF FF FF FF (DM7) (Tx)  
2020.524 500 16 18 A4 00 55 F7 B3 0C 02 34 00 00 FB FF FF FF FF (DM30)  
2020.534 500 12 18 E3 55 F9 F7 B6 14 1F FF FF FF FF (DM7) (Tx)

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2020.553 500 16 18 A4 00 55 F7 B6 14 12 00 00 00 FB FF FF FF FF (DM30)
2020.562 500 12 18 E3 55 F9 F7 F2 0E 1F FF FF FF FF (DM7) (Tx)
2020.578 500 16 18 A4 00 55 F7 F2 0E 12 34 00 00 FB FF FF FF FF (DM30)
2020.591 000 12 18 E3 55 F9 F7 EB 10 1F FF FF FF FF (DM7) (Tx)
2020.608 500 16 18 A4 00 55 F7 EB 10 12 00 00 00 FB FF FF FF FF (DM30)
2020.618 000 12 18 E3 55 F9 F7 EE 10 1F FF FF FF FF (DM7) (Tx)
2020.633 500 16 18 A4 00 55 F7 EE 10 12 63 01 00 FB FF FF FF FF (DM30)
2020.646 000 12 18 E3 55 F9 F7 22 0D 1F FF FF FF FF (DM7) (Tx)
2020.665 000 28 18 A4 00 55 F7 22 0D 1F D0 00 B7 03 E8 03 20 03 F7 22 0D 1F 00 00 00
FB FF FF FF FF (DM30)
2020.681 000 12 18 E3 55 F9 F7 98 0D 1F FF FF FF FF (DM7) (Tx)
2020.709 500 28 18 A4 00 55 F7 98 0D 11 63 01 00 FB FF FF FF FF F7 98 0D 11 00 00 00
FB FF FF FF FF (DM30)
2020.721 000 12 18 E3 55 F9 F7 9A 0D 1F FF FF FF FF (DM7) (Tx)
2020.739 000 28 18 A4 00 55 F7 9A 0D 10 20 00 00 FB FF FF FF FF F7 9A 0D 10 00 00 00
FB FF FF FF FF (DM30)
2020.752 000 12 18 E3 55 F9 F7 FE 0F 1F FF FF FF FF (DM7) (Tx)
2020.768 500 16 18 A4 00 55 F7 FE 0F 1F 20 00 00 FB FF FF FF FF (DM30)

```

#### M3/D3/YYYY 23:59:59 List of Incomplete Tests

SA 0, Engine

SPN 102 FMI 18 66 00 12 D0 00 00 FB FF FF FF FF

SPN 102 FMI 16 66 00 10 6A 00 00 FB FF FF FF FF

SPN 102 FMI 10 66 00 0A 0C 00 00 FB FF FF FF FF

...

SA 85, Diesel Particulate Filter Controller

SPN 3226 FMI 10 9A 0C 0A 00 01 00 FB FF FF FF FF

SPN 3226 FMI 18 9A 0C 0A 12 00 00 FB FF FF FF FF

SPN 3226 FMI 2 9A 0C 02 EC 00 00 FB FF FF FF FF

SPN 3226 FMI 2 9A 0C 02 00 01 00 FB FF FF FF FF

SPN 3226 FMI 2 9A 0C 02 00 01 00 FB FF FF FF FF

SPN 3226 FMI 20 9A 0C 14 EC 00 00 FB FF FF FF FF

SPN 3226 FMI 21 9A 0C 15 EC 00 00 FB FF FF FF FF

...

10 Incomplete Tests

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Or

M3/D3/YYYY 23:59:59 List of Incomplete Tests

No incomplete test results

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M3/D3/YYYY 23:59:59 Global DM5 Request

1126.268 000 07 18 EA FF F9 CE FE 00 (Tx)

1126.271 000 12 18 FE CE 55 FF FF 14 00 00 00 00 00 (DM5)

1126.280 000 12 18 FE CE 00 00 00 14 37 E0 1E E0 1E (DM5)

M3/D3/YYYY 23:59:59 Global DM20 Request

1139.289 000 07 18 EA FF F9 00 C2 00 (Tx)

1139.828 500 64 1C C2 00 00 0C 00 01 00 CA 14 F8 00 00 01 00 B8 12 F8 00 00 01 00 BC  
14 F8 00 00 00 00 F8 0B F8 00 00 01 00 C6 14 F8 00 00 01 00 F2 0B F8 00 00 01 00 C9 14 F8  
00 00 01 00 EF 0B F8 00 00 01 00 (DM20)

M3/D3/YYYY 23:59:59 Vehicle composite of DM5:

Comprehensive components support is: supported (1)

Comprehensive components status is: test complete or not supported (0)

Misfire monitoring support is: supported (1)

Misfire monitoring status is: test not complete (1)

Fuel system monitoring support is: supported (1)

Fuel system monitoring status is: test not complete (1)

Catalyst monitoring support is: not supported (0)

Catalyst monitoring status is: test complete or not supported (0)

Heated catalyst monitoring support is: not supported (0)

Heated catalyst monitoring status is: test complete or not supported (0)  
 Evaporative system monitoring support is: not supported (0)  
 Evaporative system monitoring status is: test complete or not supported (0)  
 Secondary air system monitoring support is: not supported (0)  
 Secondary air system monitoring status is: test complete or not supported (0)  
 A/C system refrigerant monitoring support is: not supported (0)  
 A/C system refrigerant monitoring status is: test complete or not supported (0)  
 Exhaust sensor monitoring support is: supported (1)  
 Exhaust sensor monitoring status is: test not complete (1)  
 Exhaust gas sensor heater monitoring support is: supported (1)  
 Exhaust gas sensor heater monitoring status is: test not complete (1)  
 EGR system monitoring support is: supported (1)  
 EGR system monitoring status is: test not complete (1)  
 Cold start aid system monitoring support is: not supported (0)  
 Cold start aid system monitoring status is: test complete or not supported (0)  
 Boost pressure control support is: supported (1)  
 Boost pressure control status is: test not complete (1)  
 Diesel Particulate Filter (DPF) support is: supported (1)  
 Diesel Particulate Filter (DPF) status is: test not complete (1)  
 NOx converting catalyst and/or NOx adsorber support is: supported (1)  
 NOx converting catalyst and/or NOx adsorber status is: test not complete (1)  
 NMHC converting catalyst support is: supported (1)  
 NMHC converting catalyst status is: test not complete (1)

M3/D3/YYYY 13:59:59 Monitor Counts from SA 0	Numerator	Denominator
SPN 3048 Ignition Cycle,		1
SPN 3049 OBD Monitoring Conditions Encountered		1
SPN 5322 NMHC Converting Catalyst System Monitor	0,	1
SPN 4792 SCR Catalyst System	0,	1
SPN 5308 EGR System Monitor	0,	0
SPN 3064 Diesel Particulate Filter System Monitor	0,	1
SPN 5318 Exhaust Gas Sensor System Monitor	0,	1
SPN 3058 EGR System Monitor	0,	1
SPN 5321 Intake Manifold Pressure System Monitor	0,	1
SPN 3055 Fuel System Monitor	0,	1

M3/D3/YYYY 23:59:59 Monitor Counts from SA 0	Numerator	Denominator
SPN 3048 Ignition Cycle,		1
SPN 3049 OBD Monitoring Conditions Encountered		1
*SPN 5322 NMHC Converting Catalyst System Monitor	0,	X*
SPN 4792 SCR Catalyst System	0,	1
*SPN 5308 EGR System Monitor	Y*	Z*
SPN 3064 Diesel Particulate Filter System Monitor	0,	1
SPN 5318 Exhaust Gas Sensor System Monitor	0,	1
SPN 3058 EGR System Monitor	0,	1
SPN 5321 Intake Manifold Pressure System Monitor	0,	1
SPN 3055 Fuel System Monitor	0,	1

M3/D3/YYYY 23:59:59 Global DM26 Request  
 1160.107 000 07 18 EA FF F9 B8 FD 00 (Tx)  
 1160.121 000 12 18 FD B8 00 00 00 00 37 C0 1E C0 1E (DM26)

M3/D3/YYYY 23:59:59 Vehicle composite of DM26:  
 Comprehensive components support is: enabled (1)  
 Comprehensive components status is: test complete or not supported (0)  
 Misfire monitoring support is: enabled (1)  
 Misfire monitoring status is: test not complete (1)  
 Fuel system monitoring support is: enabled (1)  
 Fuel system monitoring status is: test not complete (1)  
 Catalyst monitoring support is: disabled or not supported (0)  
 Catalyst monitoring status is: test complete or not supported (0)  
 Heated catalyst monitoring support is: disabled or not supported (0)  
 Heated catalyst monitoring status is: test complete or not supported (0)



Evaporative system monitoring support is: disabled or not supported (0)  
Evaporative system monitoring status is: test complete or not supported (0)  
Secondary air system monitoring support is: disabled or not supported (0)  
Secondary air system monitoring status is: test complete or not supported (0)  
A/C system refrigerant monitoring support is: disabled or not supported (0)  
A/C system refrigerant monitoring status is: test complete or not supported (0)  
Exhaust Gas sensor monitoring support is: disabled or not supported (0)  
Exhaust Gas sensor monitoring status is: test complete or not supported (0)  
Exhaust Gas sensor heater monitoring support is: enabled (1)  
Exhaust Gas sensor heater monitoring status is: test not complete (1)  
EGR system monitoring support is: enabled (1)  
EGR system monitoring status is: test not complete (1)  
Boost pressure control support is: enabled (1)  
Boost pressure control status is: test not complete (1)  
Diesel Particulate Filter (DPF) support is: enabled (1)  
Diesel Particulate Filter (DPF) status is: test not complete (1)  
NOx converting catalyst and/or NOx adsorber support is: enabled (1)  
NOx converting catalyst and/or NOx adsorber status is: test not complete (1)  
NMHC converting catalyst support is: enabled (1)  
NMHC converting catalyst status is: test not complete (1)

M3/D3/YYYY 23:59:59 Global DM21 Request

0307.622 204 07 18 EA FF F9 00 C1 00 (Tx)  
0307.634 204 12 18 C1 FF 00 00 00 00 00 00 0E 00 (DM21)

Distance Traveled While Mil is Activated	0 km (0 miles)
Distance Since DTCs Cleared	0 km (0 miles)
Time Run by Engine While Mil is Activated	0 minutes
Time Since Diagnostic Trouble Codes Cleared	14 minutes

M3/D3/YYYY 23:59:59 Global Vehicle Distance Request

0307.622 204 07 18 EA FF F9 E0 FD 00  
0307.634 204 12 18 C1 FF 00 00 00 00 80 14 06 00 (Vehicle Distance)  
SPN 245 Total Vehicle Distance 3084.9 km (1916.9 miles)

M3/D3/YYYY 23:59:59 Global Engine Hours, Revolutions Request

0307.622 204 07 18 EA FF F9 E5 FE 00  
0307.634 204 12 18 C1 FF 80 14 FE 05 00 00 00 00 00 (Engine Hours, Revolutions)  
SPN 247 Engine Total Hours of Operation 76.7 hours

M3/D3/YYYY 23:59:59 XXXXX Total Queries

M3/D3/YYYY 23:59:59 NO/XX Time Out Errors  
M3/D3/YYYY 23:59:59 XXX Data Collection Log Reports  
M3/D3/YYYY 23:59:59 NO/XX Excess Time Since Code Clear Gaps

M3/D3/YYYY 23:59:59 VIN: 3HAMKSTN0FL575012

M3/D3/YYYY 23:59:59 CAL IDs

CAL ID of #ANT5ASR1 and CVN of #BD FE BA 51 received from SA#85  
1137.222 500 24 1C D3 00 00 96 BF DC 40 50 42 54 35 4D 50 52 33 00 00 00 00 00 00  
00 (DM19)  
CAL ID of #PBT5MPR3 and CVN of #40 DC BF 96 received from SA#0  
1137.223 500 24 18 D3 00 3D 40 91 B9 3E 52 50 52 42 42 41 31 30 00 00 00 00 00 00  
00 (DM19)  
CAL ID of #RPRBBA10 and CVN of #3E B9 91 40 received from SA#61HD OBD Devices

M3/D3/YYYY 23:59:59 I U M P R Data Collection Tool Data Collection Log - END OF REPORT