ATTACHMENT 1

AIRWORTHINESS GROUP FACTUAL REPORT

NTSB No. CEN19FA072

Recorded Data Extracted from N191SF Engine Control Unit
(10 Pages)

Data Source: ECU
Aircraft Model: Bell 407
ECU Version: 257-5400
User Name: 40005
ECU S/N: JG7ALW0049
Turbine S/N: CAT-44208
Eng Gearbox S/N: CAG-47007

Data Time: 4/16/19 10:35:44 AM
Engine Model: 250-C47B
ID: E844
Engine S/N: CAE-847007
Compressor S/N: CAC-44015
HMU S/N: JGALM0216
Aircraft ID: N191SF

Parameter	Value	Units	Description
ECUOpTm	577.33	Hours	ECU Operating Time (counter)
EngRnTm	223.87	Hours	Engine Operating (Running) Time (counter)
MGTLmPk	0.0	Deg F	MGT Limit Exceedance Peak
MGTLmTm	0.00	Seconds	MGT Limit Exceedance Time
MGTRLmPk	0.0	Deg F	MGT Run Limit Exceedance Peak
MGTRLmTm	0.00	Seconds	MGT Run Limit Exceedance Time
MGTSLmPk	0.0	Deg F	MGT Start Limit Exceedance Peak
MGTSLmTm	0.00	Seconds	MGT Start Limit Exceedance Time
MGTSRLmPk	0.0	Deg F	MGT Start Run Limit Exceedance Peak
MGTSRLmTm	0.00	Seconds	MGT Start Run Limit Exceedance Time
NgLmPk	0.00	%Ng	Ng Limit Exceedance Peak
NgLmTm	0.00	Seconds	Ng Limit Exceedance Time
NgRLmPk	0.00	%Ng	Ng Run Limit Exceedance Peak
NgRLmTm	0.00	Seconds	Ng Run Limit Exceedance Time
NpRLmPk	0.00	%Np	Np Run Limit Exceedance Peak Value
NpRLmTm	0.00	Seconds	Np Run Limit Exceedance Time
NumStrt	648	Starts	Number of Engine Starts
OSCyc	A	Boolean	Overspeed Cycle
QLmPk	0.0	%Q	Q Limit Exceedance Peak
QLmTm	0.00	Seconds	Q Limit Exceedance Time
QRLmPk	0.0	%Q	Q Run Limit Exceedance Peak
QRLmTm	0.00	Seconds	Q Run Limit Exceedance Time
QXLmPk	0.0	%Q	Q Transient Limit Exceedance Peak Value
QXLmTm	0.00	Seconds	Q Transient Limit Exceedance Time
SgCtr	0	Surges	Number of Surge Occurrences Counter
EngRunCtr	93.22	Seconds	Engine Run Time Interval Counter
NpLmPk	0.00	%Np	Np Limit Exceedance Peak Value
NpLmTm	0.00	Seconds	Np Limit Exceedance Time
OSCtr	0	Events	Engine Overspeed Counter
SpareData1	0	packed word	
SpareData2	0	packed word	
SpareData3	0	packed word	
SpareData4	0	packed word	
SpareData5	0	packed word	
SpareData6	0	packed word	
NpLmEvts	0	Counts	Np Limit Exceedance Events
NpRLmEvts	0	Counts	Np Run Limit Exceedance Events
NpMLmEvts	0	Counts	Np Max Limit Exceedance Count
NpExcInd	FALSE	Boolean	Np Exceedance Indication for Engine Maintenance
EngRunCtrDummy	0	packed word	
EmData_Chksum	57159	packed word	

Data Source: ECU
Aircraft Model: Bell 407
ECU Version: 257-5400
User Name: 40005
ECU S/N: JG7AL00049
Turbine S/N: CAT-44208
Eng Gearbox S/N: CAG-47007

Data Time: 4/16/19 10:35:05 AM
Engine Model: 250-C47B
ID: E844
Engine S/N: CAE-847007
Compressor S/N: CAC-44015
HMU S/N: JGALM0216
Aircraft ID: N191SF

Fault Time	Fault Name	Description
No Faults Found		

Data Source: ECU
Aircraft Model: Bell 407
ECU Version: 257-5400
User Name: 40005
ECU S/N: JG7ALW0049
Turbine S/N: CAT-44208
Eng Gearbox S/N: CAG-47007

Data Time: 4/16/19 10:34:32 AM
Engine Model: 250-C47B
ID: E844
Engine S/N: CAE-847007
Compressor S/N: CAC-44015
HMU S/N: JGALM0216
Aircraft ID: N191SF

Fault Name	Description
No Faults Found	

Data Source: ECU
Aircraft Model: Bell 407
ECU Version: 257-5400
User Name: 40005
ECU S/N: JG7ALW0049
Turbine S/N: CAT-44208
Eng Gearbox S/N: CAG-47007

Data Time: 4/16/19 10:33:51 AM
Engine Model: 250-C47B
ID: E844
Engine S/N: CAE-847007
Compressor S/N: CAC-44015
HMU S/N: JGALM0216
Aircraft ID: N191SF

Fault Name	Description
No Faults Found	

ECU Version: C-00257-5400 E444 Date Extracted: 04/16/24 14:37:16 UTC
Description: AGZALA00049 INCOMING DATA

Snapshot	TypeWrd1	TypeWrd2	Time Stamp HH:MM:SS.mmm	NgInKcrd %Ng	NrInKcrd %Nr	AGTInKcrd deg F	AInKcrd %A	NpInKcrd %Np	WFactInKcrd pph	N34TFilt %Ng/Sec	PSInKcrd psia	Mode	CPInKcrd %CP	ESW Counts	ESW2 Counts	ESW3 Counts	ESW4 Counts	ESW5 Counts	ESW6 Counts	N34TWRCd	PLAInKcrd deg PLA	TXInKcrd deg F	EngRnTm	EngRnCtr	Spare1	Spare2	Spare3	Spare4
E 1	0x0020	0x0000	223:56:14.304	101	100	1400	110	99	440	6.1	13.96	1	72	0x0024	0x0000	0x0000	0x0000	0x0090	0x0040	24	66	22	1679	155916	644*	0	0	0
E 2	0x0400	0x0000	223:56:17.304	93	92	1220	72	66	394	5.7	14.27	5	52	0x0004	0x0000	0x0000	0x0000	0x0090	0x0100	11	54	22	1679	157213	644*	0	0	0
E 3	0x0000	0x0000	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 4	0x0000	0x0000	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 5	0x0000	0x0000	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 6	0x0000	0x0000	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 7	0x0000	0x0000	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 8	0x0000	0x0000	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 9	0x0000	0x0000	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 10	0x0000	0x0000	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0

ECU Version: C-00257-5400 E4A4 Date Extracted: 04/16/19 14:37:16 UTC
Description: A67ALM00049 INCIDENT DATA

Record	Time Stamp HH:MM:SS.mmm	NgInRcrd %Ng	NrInRcrd %Nr	N67TInRcrd Deg F	dInRcrd %d	NpInRcrd %Np	WfActInRcrd pph	N407Filt %Ng/Sec	PXInRcrd psia	Mode	CPInRcrd %CP	ESW Counts	ESW2 Counts	ESW3 Counts	ESW4 Counts	ESW5 Counts	ESW6 Counts	N407WRCd	PLAInRcrd Deg PLA	TXInRcrd Deg F	EngRnTm	EngRnCtr	Spare1	Spare2	Spare3	Spare4
E 1	223:56:03.400	95	100	1240	80	100	394	0.2	13.76	1	62	0x0024	0x0000	0x0000	0x0000	0x0090	0x0040	4	66	22	1679	15342	6440	0	0	0
E 2	223:56:04.400	96	100	1260	84	100	364	2.7	13.63	1	66	0x0024	0x0000	0x0000	0x0000	0x0090	0x0040	4	66	22	1679	15342	6440	0	0	0
E 3	223:56:05.400	95	100	1220	76	100	324	-0.9	13.72	1	62	0x0024	0x0000	0x0000	0x0000	0x0090	0x0040	4	66	22	1679	15342	6440	0	0	0
E 4	223:56:07.000	94	100	1200	70	100	320	-0.2	13.84	1	60	0x0024	0x0000	0x0000	0x0000	0x0090	0x0040	4	66	22	1679	15342	6440	0	0	0
E 5	223:56:06.200	96	99	1300	96	99	444	6.4	13.90	1	70	0x0024	0x0000	0x0000	0x0000	0x0090	0x0040	4	66	22	1679	15342	6440	0	0	0
E 6	223:56:09.400	100	100	1400	102	100	420	1.2	13.67	1	70	0x0024	0x0000	0x0000	0x0000	0x0090	0x0040	4	66	22	1679	15342	6440	0	0	0
E 7	223:56:10.600	97	101	1320	86	100	352	-2.7	13.84	1	66	0x0024	0x0000	0x0000	0x0000	0x0090	0x0040	4	66	22	1679	15342	6440	0	0	0
E 8	223:56:11.800	96	100	1260	82	100	360	1.6	13.96	1	64	0x0024	0x0000	0x0000	0x0000	0x0090	0x0040	4	66	22	1679	15342	6440	0	0	0
E 9	223:56:13.000	96	100	1260	84	100	356	2.3	13.95	1	64	0x0024	0x0000	0x0000	0x0000	0x0090	0x0040	4	66	22	1679	15342	6440	0	0	0
E 10	223:56:14.200	100	99	1400	106	100	476	6.7	13.96	1	70	0x0024	0x0000	0x0000	0x0000	0x0090	0x0040	23	66	22	1679	15342	6440	0	0	0
E 11	223:56:15.400	97	101	1320	86	101	336	-3.4	14.03	1	56	0x0024	0x0000	0x0000	0x0000	0x0090	0x0040	4	66	22	1679	15342	6440	0	0	0
E 12	223:56:16.600	90	100	1140	56	100	224	-6.7	13.96	1	56	0x0024	0x0000	0x0000	0x0000	0x0090	0x0040	24	66	22	1679	15342	6440	0	0	0
E 13	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 14	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 15	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 16	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 17	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 18	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 19	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 20	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 21	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 22	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 23	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 24	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 25	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 26	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 27	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 28	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 29	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 30	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 31	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0

ECU Version: C-00257-5408 E404 Date Extracted: 04/14/19 14:37:14 UTC
Description: 467ALM0049 INCOMING DATA

Record	Time Stamp HH:MM:SS.mmm	NgInRcrd %Ng	NrInRcrd %Nr	M67TInRcrd Deg F	dInRcrd %d	NpInRcrd %Np	WfActInRcrd pph	N247Filt %Ng/Sec	PAInRcrd psia	Mode	CPInRcrd %CP	ESW Counts	ESW2 Counts	ESW3 Counts	ESW4 Counts	ESW5 Counts	ESW6 Counts	N247WRCd	PLAInRcrd Deg PLA	TInRcrd Deg F	EngRnTm	EngRnCtr	Spare1	Spare2	Spare3	Spare4
E 32	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 33	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 34	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 35	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 36	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 37	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 38	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 39	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 40	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 41	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 42	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 43	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 44	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 45	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 46	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 47	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 48	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 49	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 50	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 51	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 52	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 53	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 54	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 55	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 56	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 57	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 58	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 59	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 60	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 61	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 62	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0

ECU Version: C-00257-5400 E4A4 Date Extracted: 04/16/19 14:37:16 UTC
Description: 467ALM0049 INCOMING DATA

Record	Time Stamp HH:MM:SS.mmm	HgInRcrd %Hg	HrInRcrd %Hr	MGTInRcrd Deg F	dInRcrd %d	HpInRcrd %Hp	WfactInRcrd ppb	N04TFilt %Hg/Sec	PLInRcrd psia	Mode	CPInRcrd %CP	ESW Counts	ESW2 Counts	ESW3 Counts	ESW4 Counts	ESW5 Counts	ESW6 Counts	N04TWRCd	PLAInRcrd Deg PLA	TLInRcrd Deg F	EngRnTm	EngRnCtr	Spare1	Spare2	Spare3	Spare4
E 63	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 64	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 65	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 66	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 67	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 68	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 69	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 70	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 71	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 72	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 73	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 74	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 75	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 76	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 77	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 78	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 79	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 80	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 81	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 82	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 83	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 84	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 85	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 86	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 87	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 88	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 89	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 90	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 91	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 92	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 93	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0

ECU Version: C-00257-5400 EA49 Date Extracted: 04/16/19 14:37:16 UTC
Description: AG7ALM00049 INCOMING DATA

Record	Time Stamp HH:MM:SS.mmm	NgInRcrd %Ng	NrInRcrd %Nr	MGTInRcrd Deg F	AInRcrd %A	NpInRcrd %Np	WfActInRcrd pph	N04TFilt %Ng/Sec	PSInRcrd psia	Mode	CPInRcrd %CP	ESW Counts	ESW2 Counts	ESW3 Counts	ESW4 Counts	ESW5 Counts	ESW6 Counts	N04TMRCd	PLAInRcrd Deg PLA	TLInRcrd Deg F	EngRnTm	EngRnCtr	Spare1	Spare2	Spare3	Spare4
E 94	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 95	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 96	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 97	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 98	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 99	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 100	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 101	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 102	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 103	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 104	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 105	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 106	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 107	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 108	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 109	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 110	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 111	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 112	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 113	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 114	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 115	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 116	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 117	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 118	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 119	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 120	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 121	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 122	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 123	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 124	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0

ECU Version: C-00257-5900 E494 Date Extracted: 04/16/19 14:37:16 UTC
Description: J67ALM0049 INCOMING DATA

Record	Time Stamp HH:MM:SS.mmm	NgInKcrd %Ng	NrInKcrd %Nr	MGTInKcrd Deg F	dInKcrd %d	NpInKcrd %Np	WfActInKcrd pph	N04TFilt %Ng/Sec	PInKcrd psia	Mode	CPInKcrd %CP	ESW Counts	ESW2 Counts	ESW3 Counts	ESW4 Counts	ESW5 Counts	ESW6 Counts	N04TWKCd	PLAInKcrd Deg PLA	TLInKcrd Deg F	EngHaTm	EngHaCtr	Spare1	Spare2	Spare3	Spare4
E 125	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 126	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 127	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 128	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 129	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 130	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 131	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 132	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 133	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 134	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 135	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 136	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 137	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 138	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 139	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 140	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 141	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 142	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 143	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 144	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 145	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 146	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 147	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 148	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 149	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0
E 150	00:00:00.000	0	0	0	0	0	0	0.0	0.00	0*	0	0x0000	0x0000	0x0000	0x0000	0x0000	0x0000	0*	0	0	0	0	0	0	0	0