

Can-Am Last Instant Data



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ECU's considered

Bosch manufactured ECU
ME17.8.5



<u>Model</u>	<u>Model year range</u>
Commander	2011-
Spyder*/Ryker	2013-
Maverick	2013-
Defender	2016-
Traxter	2018-



*prior years may have data

Can-Am Last Instant Data

- Circular buffer recording various vehicle parameters.
- Records 60 seconds of data up to engine shutdown.
 - Buffer begins recording on engine start up and stops recording at engine shutdown.
 - Buffer recording is independent of key cycles. Can have multiple key cycles and multiple engine run cycles within the buffer.
- Turning the key on will not begin to overwrite data.
- Cranking the engine (without starting) will not begin to overwrite data.

Can-Am Last Instant Data

Test Vehicle



2019 Can-Am Spyder F3S

Can-Am Last Instant Data

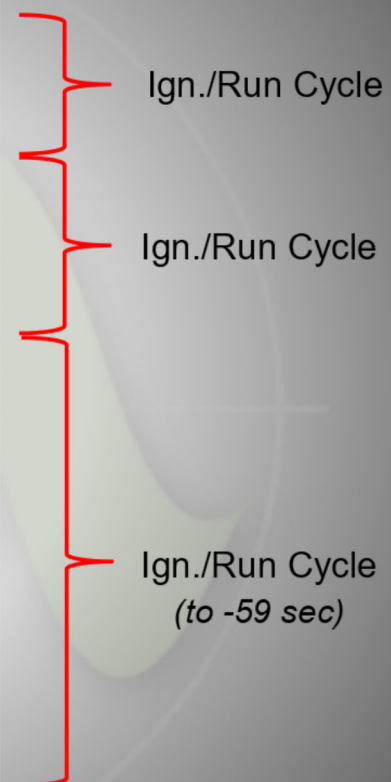
Data Parameters

- Engine Temperature
- Throttle Accelerator Position
- Throttle Position
- Intake Manifold Pressure
- Pre-Sent Torque
- Engine Speed
- Vehicle Speed

2019 Can-Am Spyder F3S

Can-Am Last Instant Data

	Temp	Accel	Throttle	IMP	Torque	RPM	Veh Spd
0	152.17	0	3.92	7	0	520	0.0
-1	152.17	0	3.14	5	10.59	1160	0.0
-2	152.17	0	3.14	6	7.06	1280	0.0
-3	152.17	0	2.35	12	43.13	880	0.0
-4	149.47	0	3.92	7	16.47	1000	0.0
-5	149.47	0	4.31	7	17.64	1040	0.0
-6	149.47	0	3.14	5	12.16	1120	0.0
-7	149.47	0	3.14	6	9.02	1240	0.0
-8	149.47	0	1.96	11	24.31	1400	0.0
-9	167.02	0	2.74	7	0	520	0.0
-10	165.67	0	2.35	6	13.33	880	0.0
-11	165.67	0	2.74	6	14.12	840	1.9
-12	165.67	0	2.74	6	12.94	920	5.0
-13	165.67	0.39	2.74	6	14.12	1000	7.0
-14	165.67	0	3.92	5	9.02	1120	8.3
-15	165.67	0	3.92	5	11.76	1800	10.8
-16	165.67	0	3.14	4	10.59	1600	12.6
-17	165.67	0	3.53	4	3.53	1960	15.9
-18	164.32	0	3.53	4	3.92	2160	17.1
-19	164.32	2.74	3.92	4	12.16	2240	17.8
-20	164.32	3.92	4.31	4	15.68	2280	19.0



2019 Can-Am Spyder F3S

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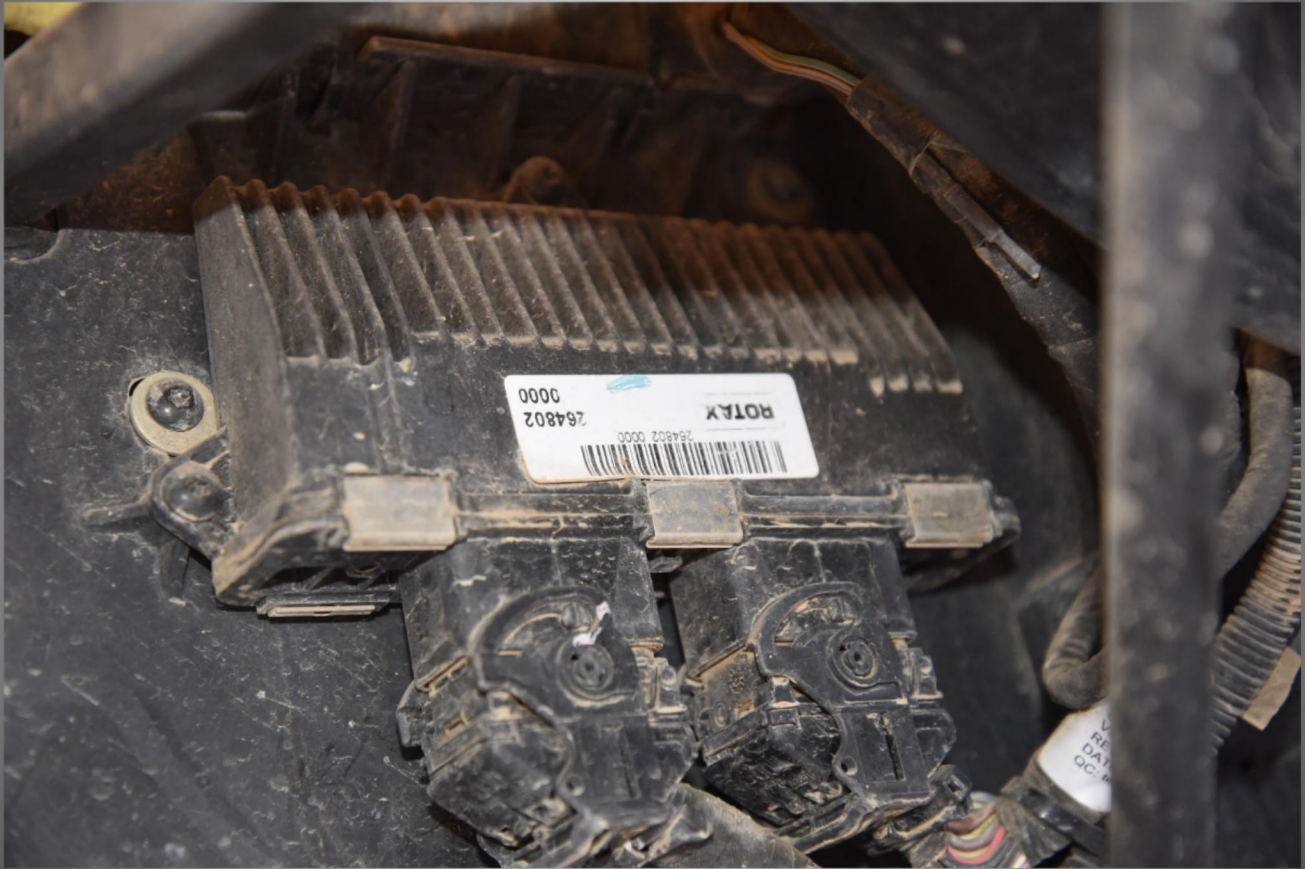
Test Vehicle



2015 Can-Am Maverick 1000R

Can-Am Last Instant Data

Test Vehicle



2015 Can-Am Maverick 1000R

Can-Am Last Instant Data

Data Parameters

- Engine Temperature
- Throttle Accelerator Position
- Throttle Position
- Intake Manifold Pressure
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- Engine Speed
- Vehicle Speed

2015 Can-Am Maverick 1000R

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SERVICE REPORT

B.U.D.S.

BRP Utility and Diagnostic Software

Time (sec)	RPM	TPS (%)	Engine (°F)	Intake (PSI)	TAS (%)	Torque (%)	Vehicle Speed (MPH)	
-30.0	1521	3.53	157	7	0.00	6.27	0	}
-29.0	1560	3.53	157	7	0.00	6.27	0	
-28.0	1521	3.53	155	7	0.00	6.27	0	
-27.0	1326	3.14	155	7	0.00	6.67	0	
-26.0	1521	3.92	155	7	0.00	5.49	0	
-25.0	1482	3.53	155	7	0.00	6.27	0	
-24.0	1443	3.53	155	8	0.00	6.67	0	
-23.0	1482	3.53	155	7	0.00	6.27	0	
-22.0	1443	4.31	155	8	1.57	9.02	0	
-21.0	1911	5.10	155	7	2.75	11.37	0	
-20.0	1716	6.27	155	7	0.00	4.31	2	
-19.0	1755	5.49	155	7	1.18	10.20	4	
-18.0	2184	3.92	155	7	1.96	7.45	5	
-17.0	2106	4.31	155	6	2.35	9.41	5	
-16.0	2106	3.92	155	6	2.75	9.80	5	
-15.0	2067	3.92	155	6	2.35	9.80	5	
-14.0	2145	3.92	155	6	2.35	9.41	5	
-13.0	2223	3.92	155	6	2.75	9.02	5	
-12.0	2262	4.31	155	6	2.35	8.63	5	
-11.0	2028	4.31	155	6	2.35	9.02	5	
-10.0	1365	3.14	158	12	0.00	9.80	0	}
-9.0	1716	3.92	158	7	0.00	4.31	0	
-8.0	1560	3.92	158	7	0.00	5.88	0	
-7.0	1599	3.53	158	7	0.00	5.49	0	
-6.0	1521	3.53	158	7	0.00	5.88	0	
-5.0	1482	3.53	158	7	0.00	6.27	0	
-4.0	1170	3.14	139	13	0.00	15.69	0	}
-3.0	1716	3.92	139	8	0.00	4.71	0	
-2.0	1599	3.92	139	7	0.00	6.67	0	
-1.0	1599	3.92	139	7	0.00	5.88	0	
0.0	1521	3.92	139	7	0.00	6.27	0	

Ign./Run Cycle
(to -59 sec)

Ign./Run Cycle

Ign./Run Cycle

2015 Can-Am Maverick 1000R

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Power Loss Issues

- Will record Last Instant data if simply cycling key off or have an ignition switch failure.
- Will NOT record Last Instant data if there is an ECU fuse failure, battery loss upon engine shutdown, or any other source of unswitched power loss upon engine shutdown.
 - The ECU needs unswitched power to write data to the EEPROM after engine shutdown.

** As an example, if there is battery failure and vehicle is running on alternator power, upon engine shutdown the system will lose switched and unswitched power and will not save Last Instant data.

Can-Am Last Instant Data

BRP Products

- Last Instant data can be found on other BRP products depending on year/model including but not limited to:
 - Can-Am
 - 3-Wheeled Vehicles
 - ATV
 - UTV
 - Sea-doo
 - Ski-doo
- The overall buffer time, resolution, and data parameters can vary between year/model.

Can-Am Last Instant Data

<http://momentum-eng.com/AboutEd.html>

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