

December 22, 2016

California Department of Motor Vehicles
Occupational Licensing Compliance Section
2415 1st Ave., Mail Station S441
Sacramento, CA 95818

RE: Autonomous Vehicle Tester Program Annual Disengagement Report

Dear Sir or Madam:

Enclosed please find the disengagement report for Cruise's registered autonomous vehicles. We provide this report as required by California Code of Regulations Title 13, Article 3.7, Section 227.46.

This report covers the period from the date of issuance of Cruise's Manufacturer's Testing Permit, June 16, 2015, to November 30, 2016. It addresses (a) miles driven in autonomous mode on public roads in California and, during such driving, (b) deactivations of the autonomous mode when a failure of the autonomous technology was detected or when the safe operation of the vehicle required that the autonomous vehicle test driver disengage the autonomous mode and take immediate manual control of the vehicle.

Mileage data is collected from exacting urban driving in San Francisco, and all testing addressed by this report was performed on city streets. Disengagements were immediate when the safe operation of the vehicle required that the autonomous vehicle test driver disengage the autonomous mode and take immediate manual control of the vehicle. Disengagements made as a result of a failure of the autonomous technology being detected were all made within 1 second of the test driver being alerted of the technology failure.

Please feel free to contact me if you have any questions regarding the report.

Sincerely,



Sasha Ostoic

SVP Engineering

| Vehicles used for testing | | |
|---------------------------|-----------------------|-----------|
| Name | Year, Make, and Model | License |
| Polarbear | 2017 Chevrolet Bolt | 45257-6C |
| Platypus | 2017 Chevrolet Bolt | 45257-42C |
| Caracal | 2017 Chevrolet Bolt | 45257-33D |
| Charlie | 2017 Chevrolet Bolt | 45257-43D |
| Osprey | 2017 Chevrolet Bolt | 45257-29D |
| Cheetah | 2017 Chevrolet Bolt | 45257-62E |
| Lynx | 2017 Chevrolet Bolt | 45257-13C |
| Leopard | 2017 Chevrolet Bolt | 4257-81C |
| Moa | 2017 Chevrolet Bolt | 45257-9C |
| Redwolf | 2017 Chevrolet Bolt | 45257-57D |
| Pronghorn | 2017 Chevrolet Bolt | 45257-78C |
| Beluga | 2017 Chevrolet Bolt | 45257-73E |
| Mongoose | 2017 Chevrolet Bolt | 45257-60D |
| Macaw | 2017 Chevrolet Bolt | 45257-61D |
| Penguin | 2017 Chevrolet Bolt | 45257-70C |
| Tamarin | 2017 Chevrolet Bolt | 45257-75G |
| Numbat | 2017 Chevrolet Bolt | 45257-72G |
| Albatross | 2017 Chevrolet Bolt | 45257-98D |
| Wombat | 2017 Chevrolet Bolt | 45257-72D |
| Antelope | 2017 Chevrolet Bolt | 45257-78B |
| Scarlet | 2012 Nissan Leaf | 7LRW694 |
| Quicksilver | 2012 Nissan Leaf | 6UZM026 |
| Ironman | 2016 Nissan Leaf | 7PK602 |
| Gargoyle | 2016 Nissan Leaf | 7PK600 |
| Storm | 2016 Nissan Leaf | 7PK939 |

| Total autonomous miles | |
|------------------------|------------------|
| Month and year | Autonomous miles |
| June 2015 | 4.74 |
| July 2015 | 2.89 |
| August 2015 | 15.91 |
| September 2015 | 12.33 |
| October 2015 | 132.87 |
| November 2015 | 70.44 |
| December 2015 | 46.22 |
| January 2016 | 60.83 |

| | |
|----------------|---------|
| February 2016 | 98.34 |
| March 2016 | 170.89 |
| April 2016 | 256.15 |
| May 2016 | 200.03 |
| June 2016 | 390.97 |
| July 2016 | 570.37 |
| August 2016 | 1672.3 |
| September 2016 | 2278.52 |
| October 2016 | 1747.06 |
| November 2016 | 2284.35 |

Autonomous miles per month per vehicle

| | Jun-15 | Jul-15 | Aug-15 | Sep-15 | Oct-15 | Nov-15 | Dec-15 | Jan-16 | Feb-16 | Mar-16 | Apr-16 | May-16 | Jun-16 | Jul-16 | Aug-16 | Sep-16 | Oct-16 | Nov-16 | |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| scarlet | 4.74 | | 15.91 | 10.89 | 132.75 | | 15.11 | 43.89 | 65.6 | 6.57 | 0.01 | | | | | | | | |
| quicksilver | | 2.89 | | 1.44 | 0.12 | 70.44 | 31.11 | 7.47 | | | | | | | | | | | |
| ironman | | | | | | | | 9.47 | 32.74 | 116.92 | 121.32 | 69.08 | 111.31 | 33.60 | | | | | |
| gargoyle | | | | | | | | | | 47.4 | 113.31 | 80.29 | 109.30 | 132.43 | | | | | |
| storm | | | | | | | | | | 21.51 | 50.66 | 20.22 | 86.92 | | | | | | |
| polarbear | | | | | | | | | | | | | | | | 37.62 | 152.12 | | |
| platypus | | | | | | | | | | | | | | | 273.63 | 381.07 | 205.22 | 39.6 | |
| caracal | | | | | | | | | | | | | | | 18.67 | 299.02 | 338.29 | 200 | 46.68 |
| charlie | | | | | | | | | | | | | | | 43.62 | 228.22 | 332.37 | 106.38 | 0 |
| osprey | | | | | | | | | | | | | | | 135.11 | 300.03 | 225.23 | 36.86 | |
| cheetah | | | | | | | | | | | 21.67 | 203.16 | 89.21 | 275.53 | 175.05 | 0 | | | |
| lynx | | | | | | | | | | | | | | | 223.41 | 277.3 | 253.65 | 0 | |
| leopard | | | | | | | | | | | | 128.47 | 51.97 | 63.87 | 197.8 | 23.29 | 0 | | |
| moa | | | | | | | | | | | | | | | 147.75 | 112.41 | 166.95 | 241.11 | |
| redwolf | | | | | | | | | | | | | | | 0 | 52.44 | 196.91 | 90.96 | |
| pronghorn | | | | | | | | | | | | | | | 212.08 | 11.28 | 55.44 | 265.21 | |
| beluga | | | | | | | | | | | | | | | 0 | 0 | 61.09 | 249.36 | |

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|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|-------|--------|
| mongoose | | | | | | | | | | | | | | 0 | 0 | 40.23 | 271.8 |
| macaw | | | | | | | | | | | | | | 0 | 0 | 0 | 257.1 |
| penguin | | | | | | | | | | | | | | 0 | 0 | 0 | 210.43 |
| tamarin | | | | | | | | | | | | | | 0 | 0 | 0 | 159.64 |
| numbat | | | | | | | | | | | | | | 0 | 0 | 0 | 98.42 |
| albatross | | | | | | | | | | | | | | 0 | 0 | 0 | 98.39 |
| wombat | | | | | | | | | | | | | | 0 | 0 | 0 | 59.41 |
| antelope | | | | | | | | | | | | | | 0 | 0 | 0 | 7.26 |

| June 2015 detail | |
|---------------------------------------|------|
| Total miles driven in autonomous mode | 4.74 |
| Qualifying disengagements | 0 |

| July 2015 detail | |
|---------------------------------------|------|
| Total miles driven in autonomous mode | 2.89 |
| Qualifying disengagements | 0 |

| August 2015 detail | | |
|---------------------------------------|-------|--|
| Total miles driven in autonomous mode | 15.91 | |
| Qualifying disengagements | 4 | |
| Disengagements detail | | |
| Date | Time | Causal factors |
| 2015-08-18 | 15:00 | Planned test, to address planning |
| 2015-08-18 | 15:51 | Planned test, to address planning |
| 2015-08-18 | 16:23 | Planned test, to avoid unexpected behavior |
| 2015-08-19 | 14:31 | Planned test, to avoid unexpected behavior |

| September 2015 detail | | |
|---------------------------------------|-------|--|
| Total miles driven in autonomous mode | 12.33 | |
| Qualifying disengagements | 10 | |
| Disengagements detail | | |

| Date | Time | Causal factors |
|------------|-------|---------------------------------------|
| 2015-09-01 | 13:59 | Planned test, to address planning |
| 2015-09-09 | 13:31 | Planned test, to address planning |
| 2015-09-23 | 13:30 | Planned test, to address planning |
| 2015-09-23 | 13:31 | Planned test, to address planning |
| 2015-09-23 | 13:32 | Planned test, to address planning |
| 2015-09-23 | 13:34 | Planned test, to address planning |
| 2015-09-23 | 13:34 | Planned test, to address planning |
| 2015-09-23 | 13:35 | Planned test, to address planning |
| 2015-09-23 | 13:37 | Planned test, to address localization |
| 2015-09-23 | 13:37 | Planned test, to address planning |

| October 2015 detail | | |
|---------------------------------------|--------|--|
| Total miles driven in autonomous mode | 132.87 | |
| Qualifying disengagements | 63 | |
| Disengagements detail | | |
| Date | Time | Causal factors |
| 2015-10-05 | 18:44 | Planned test, to address planning |
| 2015-10-05 | 18:50 | Planned test, to address planning |
| 2015-10-06 | 16:14 | Planned test, to address planning |
| 2015-10-06 | 16:20 | Planned test, to avoid unexpected behavior |
| 2015-10-07 | 14:42 | Planned test, to address planning |
| 2015-10-07 | 14:46 | Planned test, to address planning |
| 2015-10-08 | 14:23 | Planned test, to address hardware |
| 2015-10-08 | 14:50 | Planned test, to address hardware |
| 2015-10-08 | 14:56 | Planned test, to address hardware |
| 2015-10-08 | 15:00 | Planned test, to address hardware |
| 2015-10-08 | 15:04 | Planned test, to address localization |
| 2015-10-09 | 15:03 | Planned test, to address localization |
| 2015-10-09 | 15:17 | Planned test, to address localization |
| 2015-10-09 | 15:19 | Planned test, to address localization |
| 2015-10-09 | 17:18 | Planned test, to address localization |
| 2015-10-12 | 17:01 | Planned test, to avoid unexpected behavior |

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|------------|-------|--|
| 2015-10-12 | 15:12 | Planned test, to address planning |
| 2015-10-12 | 19:45 | Planned test, to address localization |
| 2015-10-12 | 19:55 | Planned test, to avoid unexpected behavior |
| 2015-10-15 | 13:12 | Planned test, to avoid unexpected behavior |
| 2015-10-15 | 19:20 | Planned test, to address localization |
| 2015-10-15 | 22:34 | Planned test, to address localization |
| 2015-10-15 | 22:37 | Planned test, to avoid unexpected behavior |
| 2015-10-15 | 22:38 | Planned test, to avoid unexpected behavior |
| 2015-10-16 | 14:38 | Planned test, to address localization |
| 2015-10-16 | 16:44 | Planned test, to avoid unexpected behavior |
| 2015-10-16 | 16:52 | Planned test, to avoid unexpected behavior |
| 2015-10-16 | 17:01 | Planned test, to address localization |
| 2015-10-19 | 19:57 | Planned test, to avoid unexpected behavior |
| 2015-10-20 | 13:05 | Planned test, to address hardware |
| 2015-10-20 | 13:30 | Planned test, to address planning |
| 2015-10-20 | 13:34 | Planned test, to avoid unexpected behavior |
| 2015-10-20 | 13:35 | Planned test, to address localization |
| 2015-10-20 | 16:31 | Planned test, to avoid unexpected behavior |
| 2015-10-20 | 16:32 | Planned test, to address localization |
| 2015-10-20 | 16:36 | Planned test, to address localization |
| 2015-10-20 | 16:51 | Planned test, to avoid unexpected behavior |
| 2015-10-20 | 17:04 | Planned test, to address unexpected behavior |
| 2015-10-20 | 20:23 | Planned test, to address localization |
| 2015-10-20 | 21:35 | Planned test, to address planning |
| 2015-10-20 | 21:38 | Planned test, to address planning |
| 2015-10-20 | 22:15 | Planned test, to address unexpected behavior |
| 2015-10-21 | 14:55 | Planned test, to address unexpected behavior |
| 2015-10-21 | 16:45 | Planned test, to avoid unexpected behavior |
| 2015-10-21 | 16:47 | Planned test, to avoid unexpected behavior |
| 2015-10-21 | 17:27 | Planned test, to address perception |
| 2015-10-21 | 17:28 | Planned test, to address perception |
| 2015-10-21 | 19:22 | Planned test, to avoid unexpected behavior |
| 2015-10-21 | 19:32 | Planned test, to address unexpected behavior |

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| 2015-10-21 | 19:32 | Planned test, to avoid unexpected behavior |
| 2015-10-21 | 22:48 | Planned test, to address unexpected behavior |
| 2015-10-21 | 22:51 | Planned test, to address unexpected behavior |
| 2015-10-22 | 0:14 | Planned test, to address unexpected behavior |
| 2015-10-22 | 2:13 | Planned test, to address perception |
| 2015-10-22 | 11:18 | Planned test, to avoid unexpected behavior |
| 2015-10-22 | 15:22 | Planned test, to address localization |
| 2015-10-22 | 15:31 | Planned test, to address perception |
| 2015-10-23 | 13:48 | Planned test, to address localization |
| 2015-10-28 | 12:03 | Planned test, to avoid unexpected behavior |
| 2015-10-28 | 12:05 | Planned test, to avoid unexpected behavior |
| 2015-10-29 | 11:55 | Planned test, to avoid unexpected behavior |
| 2015-10-29 | 11:55 | Planned test, to avoid unexpected behavior |
| 2015-10-30 | 13:39 | Planned test, to avoid unexpected behavior |

| November 2015 detail | | |
|---------------------------------------|-------|--|
| Total miles driven in autonomous mode | 70.44 | |
| Qualifying disengagements | 26 | |
| Disengagements detail | | |
| Date | Time | Causal factors |
| 2015-11-11 | 20:18 | Planned test, to avoid unexpected behavior |
| 2015-11-12 | 15:52 | Planned test, to address localization |
| 2015-11-12 | 13:49 | Planned test, to avoid unexpected behavior |
| 2015-11-12 | 13:49 | Planned test, to address unexpected behavior |
| 2015-11-12 | 13:59 | Planned test, to avoid unexpected behavior |
| 2015-11-12 | 13:59 | Planned test, to address perception |
| 2015-11-12 | 14:50 | Planned test, to avoid unexpected behavior |
| 2015-11-12 | 16:33 | Planned test, to address perception |
| 2015-11-12 | 16:33 | Planned test, to avoid unexpected behavior |
| 2015-11-12 | 16:34 | Planned test, to address perception |
| 2015-11-12 | 16:40 | Planned test, to address perception |
| 2015-11-12 | 16:41 | Planned test, to address perception |
| 2015-11-12 | 21:13 | Planned test, to avoid unexpected behavior |

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|------------|-------|--|
| 2015-11-12 | 21:20 | Planned test, to address localization |
| 2015-11-12 | 21:37 | Planned test, to address planning |
| 2015-11-12 | 21:42 | Planned test, to avoid unexpected behavior |
| 2015-11-12 | 21:43 | Planned test, to avoid unexpected behavior |
| 2015-11-12 | 23:14 | Planned test, to address unexpected behavior |
| 2015-11-12 | 23:15 | Planned test, to address unexpected behavior |
| 2015-11-12 | 23:20 | Planned test, to address unexpected behavior |
| 2015-11-12 | 23:22 | Planned test, to avoid unexpected behavior |
| 2015-11-13 | 11:09 | Planned test, to avoid unexpected behavior |
| 2015-11-13 | 11:11 | Planned test, to address perception |
| 2015-11-13 | 15:38 | Planned test, to avoid unexpected behavior |
| 2015-11-17 | 12:46 | Planned test, to address localization |
| 2015-11-24 | 17:49 | Planned test, to avoid unexpected behavior |

| December 2015 detail | | |
|---------------------------------------|-------|--|
| Total miles driven in autonomous mode | 46.22 | |
| Qualifying disengagements | 32 | |
| Disengagements detail | | |
| Date | Time | Causal factors |
| 2015-12-02 | 14:10 | Planned test, to avoid unexpected behavior |
| 2015-12-04 | 10:17 | Planned test, to address localization |
| 2015-12-04 | 10:54 | Planned test, to address perception |
| 2015-12-04 | 10:59 | Planned test, to address perception |
| 2015-12-04 | 11:19 | Planned test, to address perception |
| 2015-12-04 | 12:30 | Planned test, to address unexpected behavior |
| 2015-12-06 | 14:44 | Planned test, to address perception |
| 2015-12-06 | 18:09 | Planned test, to address planning |
| 2015-12-08 | 12:19 | Planned test, to address planning |
| 2015-12-08 | 22:36 | Planned test, to avoid unexpected behavior |
| 2015-12-08 | 22:39 | Planned test, to address localization |
| 2015-12-08 | 22:41 | Planned test, to address localization |
| 2015-12-08 | 22:47 | Planned test, to address localization |

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|------------|-------|--|
| 2015-12-09 | 14:22 | Planned test, to address localization |
| 2015-12-09 | 14:28 | Planned test, to address localization |
| 2015-12-11 | 16:23 | Planned test, to address perception |
| 2015-12-12 | 16:42 | Planned test, to avoid unexpected behavior |
| 2015-12-13 | 15:55 | Planned test, to address controls |
| 2015-12-13 | 16:07 | Planned test, to avoid unexpected behavior |
| 2015-12-13 | 16:50 | Planned test, to address planning |
| 2015-12-15 | 12:05 | Planned test, to address localization |
| 2015-12-15 | 23:14 | Planned test, to address perception |
| 2015-12-15 | 23:15 | Planned test, to address planning |
| 2015-12-15 | 23:31 | Planned test, to address perception |
| 2015-12-15 | 23:33 | Planned test, to address perception |
| 2015-12-15 | 23:34 | Planned test, to avoid unexpected behavior |
| 2015-12-15 | 23:35 | Planned test, to address controls |
| 2015-12-16 | 12:08 | Planned test, to avoid unexpected behavior |
| 2015-12-16 | 14:20 | Planned test, to address planning |
| 2015-12-16 | 14:21 | Planned test, to address unexpected behavior |
| 2015-12-16 | 21:24 | Planned test, to address planning |
| 2015-12-17 | 17:34 | Planned test, to address planning |

| January 2016 detail | | |
|---------------------------------------|-------|--|
| Total miles driven in autonomous mode | 60.83 | |
| Qualifying disengagements | 18 | |
| Disengagements detail | | |
| Date | Time | Causal factors |
| 2016-01-04 | 17:06 | Planned test, to avoid unexpected behavior |
| 2016-01-06 | 11:32 | Planned test, to address planning |
| 2016-01-06 | 11:48 | Planned test, to address planning |
| 2016-01-08 | 13:41 | Planned test, to address planning |
| 2016-01-28 | 7:59 | Planned test, to address unexpected behavior |
| 2016-01-28 | 15:43 | Planned test, to address unexpected behavior |
| 2016-01-28 | 15:44 | Planned test, to address unexpected behavior |
| 2016-01-28 | 15:46 | Planned test, to address unexpected behavior |

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|------------|-------|--|
| 2016-01-28 | 15:47 | Planned test, to address unexpected behavior |
| 2016-01-28 | 15:49 | Planned test, to address unexpected behavior |
| 2016-01-28 | 15:53 | Planned test, to address unexpected behavior |
| 2016-01-28 | 15:59 | Planned test, to address unexpected behavior |
| 2016-01-28 | 18:49 | Planned test, to avoid unexpected behavior |
| 2016-01-28 | 20:33 | Planned test, to avoid unexpected behavior |
| 2016-01-29 | 0:24 | Planned test, to address unexpected behavior |
| 2016-01-29 | 0:40 | Planned test, to address unexpected behavior |
| 2016-01-29 | 1:24 | Planned test, to address unexpected behavior |
| 2016-01-29 | 1:25 | Planned test, to address unexpected behavior |

| February 2016 detail | | |
|---------------------------------------|-------|--|
| Total miles driven in autonomous mode | 98.34 | |
| Qualifying disengagements | 7 | |
| Disengagements detail | | |
| Date | Time | Causal factors |
| 2016-02-04 | 14:30 | Planned test, to avoid unexpected behavior |
| 2016-02-04 | 14:37 | Planned test, to avoid unexpected behavior |
| 2016-02-08 | 15:24 | Planned test, to address unexpected behavior |
| 2016-02-08 | 15:29 | Planned test, to address unexpected behavior |
| 2016-02-16 | 12:04 | Planned test, to avoid unexpected behavior |
| 2016-02-18 | 15:44 | Planned test, to avoid unexpected behavior |
| 2016-02-18 | 15:50 | Planned test, to avoid unexpected behavior |

| March 2016 detail | | |
|---------------------------------------|--------|--|
| Total miles driven in autonomous mode | 170.89 | |
| Qualifying disengagements | 10 | |
| Disengagements detail | | |
| Date | Time | Causal factors |
| 2016-03-01 | 15:03 | Planned test, to avoid unexpected behavior |
| 2016-03-02 | 11:28 | Planned test, to avoid unexpected behavior |
| 2016-03-07 | 13:55 | Planned test, to avoid unexpected behavior |
| 2016-03-08 | 15:18 | Planned test, to avoid unexpected behavior |

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|------------|-------|--|
| 2016-03-17 | 11:02 | Planned test, to avoid unexpected behavior |
| 2016-03-21 | 18:44 | Planned test, to avoid unexpected behavior |
| 2016-03-23 | 11:33 | Planned test, to avoid unexpected behavior |
| 2016-03-24 | 11:54 | Planned test, to avoid unexpected behavior |
| 2016-03-31 | 14:59 | Planned test, to avoid unexpected behavior |
| 2016-03-31 | 15:07 | Planned test, to avoid unexpected behavior |

| April 2016 detail | | |
|---------------------------------------|--------|--|
| Total miles driven in autonomous mode | 256.15 | |
| Qualifying disengagements | 13 | |
| Disengagements detail | | |
| Date | Time | Causal factors |
| 2016-04-01 | 14:21 | Planned test, to avoid unexpected behavior |
| 2014-04-07 | 12:02 | Planned test, to avoid unexpected behavior |
| 2014-04-07 | 17:04 | Planned test, to avoid unexpected behavior |
| 2014-04-08 | 11:05 | Planned test, to avoid unexpected behavior |
| 2014-04-08 | 11:09 | Planned test, to avoid unexpected behavior |
| 2014-04-08 | 11:13 | Planned test, to avoid unexpected behavior |
| 2014-04-08 | 11:36 | Planned test, to avoid unexpected behavior |
| 2016-04-12 | 13:31 | Planned test, to avoid unexpected behavior |
| 2016-04-15 | 15:34 | Planned test, to avoid unexpected behavior |
| 2016-04-21 | 13:45 | Planned test, to avoid unexpected behavior |
| 2016-04-22 | 16:36 | Planned test, to avoid unexpected behavior |
| 2016-04-26 | 17:16 | Planned test, to avoid unexpected behavior |
| 2016-04-28 | 11:44 | Planned test, to avoid unexpected behavior |

| May 2016 detail | | |
|---------------------------------------|--------|--|
| Total miles driven in autonomous mode | 200.03 | |
| Qualifying disengagements | 14 | |
| Disengagements detail | | |
| Date | Time | Causal factors |
| 2016-05-04 | 15:57 | Planned test, to avoid unexpected behavior |
| 2016-05-04 | 15:58 | Planned test, to avoid unexpected behavior |

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|------------|-------|--|
| 2016-05-04 | 15:59 | Planned test, to avoid unexpected behavior |
| 2016-05-11 | 15:51 | Planned test, to avoid unexpected behavior |
| 2016-05-12 | 14:08 | Planned test, to avoid unexpected behavior |
| 2016-05-16 | 11:55 | Planned test, to avoid unexpected behavior |
| 2016-05-16 | 18:24 | Planned test, to avoid unexpected behavior |
| 2016-05-16 | 18:27 | Planned test, to avoid unexpected behavior |
| 2016-05-18 | 15:31 | Planned test, to avoid unexpected behavior |
| 2016-05-20 | 16:24 | Planned test, to avoid unexpected behavior |
| 2016-05-23 | 17:02 | Planned test, to avoid unexpected behavior |
| 2016-05-24 | 17:08 | Planned test, to avoid unexpected behavior |
| 2016-05-24 | 17:13 | Planned test, to avoid unexpected behavior |
| 2016-05-31 | 12:03 | Planned test, to address unexpected behavior |

| June 2016 detail | | |
|---------------------------------------|--------|--|
| Total miles driven in autonomous mode | 390.97 | |
| Qualifying disengagements | 15 | |
| Disengagements detail | | |
| Date | Time | Causal factors |
| 2016-06-01 | 20:31 | Planned test, to avoid unexpected behavior |
| 2016-06-03 | 12:09 | Planned test, to avoid unexpected behavior |
| 2016-06-03 | 13:56 | Planned test, to avoid unexpected behavior |
| 2016-06-06 | 18:19 | Planned test, to avoid unexpected behavior |
| 2016-06-07 | 14:39 | Planned test, to avoid unexpected behavior |
| 2016-06-09 | 13:10 | Planned test, to avoid unexpected behavior |
| 2016-06-09 | 19:28 | Planned test, to avoid unexpected behavior |
| 2016-06-13 | 15:49 | Planned test, to avoid unexpected behavior |
| 2016-06-15 | 16:13 | Planned test, to avoid unexpected behavior |
| 2016-06-17 | 13:58 | Planned test, to avoid unexpected behavior |
| 2016-06-20 | 10:31 | Planned test, to avoid unexpected behavior |
| 2016-06-23 | 15:01 | Planned test, to avoid unexpected behavior |
| 2016-06-23 | 15:08 | Planned test, to avoid unexpected behavior |
| 2016-06-29 | 17:50 | Planned test, to avoid unexpected behavior |
| 2016-06-30 | 14:51 | Planned test, to avoid unexpected behavior |

| July 2016 detail | | |
|---------------------------------------|--------|--|
| Total miles driven in autonomous mode | 570.37 | |
| Qualifying disengagements | 19 | |
| Disengagements detail | | |
| Date | Time | Causal factors |
| 2016-07-05 | 10:44 | Planned test, to avoid unexpected behavior |
| 2016-07-05 | 10:48 | Planned test, to avoid unexpected behavior |
| 2016-07-05 | 10:48 | Planned test, to avoid unexpected behavior |
| 2016-07-07 | 12:18 | Planned test, to avoid unexpected behavior |
| 2016-07-07 | 12:19 | Planned test, to avoid unexpected behavior |
| 2016-07-08 | 15:00 | Planned test, to avoid unexpected behavior |
| 2016-07-12 | 15:16 | Planned test, to avoid unexpected behavior |
| 2016-07-13 | 19:14 | Planned test, to avoid unexpected behavior |
| 2016-07-13 | 21:22 | Planned test, to avoid unexpected behavior |
| 2016-07-14 | 10:43 | Planned test, to avoid unexpected behavior |
| 2016-07-15 | 10:26 | Planned test, to avoid unexpected behavior |
| 2016-07-18 | 13:47 | Planned test, to avoid unexpected behavior |
| 2016-07-19 | 10:40 | Planned test, to avoid unexpected behavior |
| 2016-07-19 | 13:26 | Planned test, to address unexpected behavior |
| 2016-07-19 | 14:08 | Planned test, to address unexpected behavior |
| 2016-07-20 | 11:34 | Planned test, to avoid unexpected behavior |
| 2016-07-21 | 10:44 | Planned test, to avoid unexpected behavior |
| 2016-07-21 | 18:48 | Planned test, to avoid unexpected behavior |
| 2016-07-26 | 15:54 | Planned test, to avoid unexpected behavior |

| August 2016 detail | | |
|---------------------------------------|---------|--|
| Total miles driven in autonomous mode | 1672.30 | |
| Qualifying disengagements | 20 | |
| Disengagements detail | | |
| Date | Time | Causal factors |
| 2016-08-02 | 13:51 | Planned test, to avoid unexpected behavior |
| 2016-08-02 | 16:30 | Planned test, to address unexpected behavior |

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|------------|-------|--|
| 2016-08-04 | 10:12 | Planned test, to avoid unexpected behavior |
| 2016-08-05 | 13:13 | Planned test, to avoid unexpected behavior |
| 2016-08-09 | 18:30 | Planned test, to avoid unexpected behavior |
| 2016-08-10 | 14:46 | Planned test, to avoid unexpected behavior |
| 2016-08-11 | 18:34 | Planned test, to avoid unexpected behavior |
| 2016-08-12 | 10:13 | Planned test, to avoid unexpected behavior |
| 2016-08-15 | 15:56 | Planned test, to avoid unexpected behavior |
| 2016-08-16 | 11:47 | Planned test, to avoid unexpected behavior |
| 2016-08-17 | 17:32 | Planned test, to avoid unexpected behavior |
| 2016-08-17 | 17:56 | Planned test, to avoid unexpected behavior |
| 2016-08-18 | 16:10 | Planned test, to avoid unexpected behavior |
| 2016-08-23 | 17:37 | Planned test, to avoid unexpected behavior |
| 2016-08-24 | 11:07 | Planned test, to avoid unexpected behavior |
| 2016-08-24 | 15:00 | Planned test, to avoid unexpected behavior |
| 2016-08-29 | 16:22 | Planned test, to avoid unexpected behavior |
| 2016-08-29 | 18:00 | Planned test, to avoid unexpected behavior |
| 2016-08-31 | 13:36 | Planned test, to avoid unexpected behavior |
| 2016-08-31 | 17:47 | Planned test, to avoid unexpected behavior |

| September 2016 detail | | |
|---------------------------------------|---------|--|
| Total miles driven in autonomous mode | 2278.52 | |
| Qualifying disengagements | 18 | |
| Disengagements detail | | |
| Date | Time | Causal factors |
| 2016-09-02 | 21:10 | Planned test, to avoid unexpected behavior |
| 2016-09-02 | 10:49 | Planned test, to avoid unexpected behavior |
| 2016-09-02 | 14:08 | Planned test, to avoid unexpected behavior |
| 2016-09-02 | 14:10 | Planned test, to avoid unexpected behavior |
| 2016-09-07 | 17:07 | Planned test, to avoid unexpected behavior |
| 2016-09-07 | 17:23 | Planned test, to avoid unexpected behavior |
| 2016-09-08 | 17:02 | Planned test, to avoid unexpected behavior |
| 2016-09-09 | 11:02 | Planned test, to avoid unexpected behavior |
| 2016-09-09 | 11:41 | Planned test, to avoid unexpected behavior |

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|------------|-------|--|
| 2016-09-13 | 18:00 | Planned test, to avoid unexpected behavior |
| 2016-09-14 | 11:46 | Planned test, to avoid unexpected behavior |
| 2016-09-19 | 16:37 | Planned test, to avoid unexpected behavior |
| 2016-09-19 | 16:28 | Planned test, to avoid unexpected behavior |
| 2016-09-22 | 16:49 | Planned test, to avoid unexpected behavior |
| 2016-09-26 | 18:45 | Planned test, to avoid unexpected behavior |
| 2016-09-27 | 13:45 | Planned test, to avoid unexpected behavior |
| 2016-09-28 | 20:24 | Planned test, to avoid unexpected behavior |
| 2016-09-29 | 11:33 | Planned test, to avoid unexpected behavior |

| October 2016 detail | | |
|---------------------------------------|---------|--|
| Total miles driven in autonomous mode | 1747.06 | |
| Qualifying disengagements | 9 | |
| Disengagements detail | | |
| Date | Time | Causal factors |
| 2016-10-04 | 17:19 | Planned test, to avoid unexpected behavior |
| 2016-10-06 | 14:30 | Planned test, to avoid unexpected behavior |
| 2016-10-06 | 15:09 | Planned test, to avoid unexpected behavior |
| 2016-10-07 | 20:26 | Planned test, to avoid unexpected behavior |
| 2016-10-17 | 18:38 | Planned test, to avoid unexpected behavior |
| 2016-10-18 | 10:51 | Planned test, to avoid unexpected behavior |
| 2016-10-27 | 14:21 | Planned test, to avoid unexpected behavior |
| 2016-10-31 | 8:31 | Planned test, to avoid unexpected behavior |
| 2016-10-31 | 21:30 | Planned test, to avoid unexpected behavior |

| November 2016 detail | | |
|---------------------------------------|---------|--|
| Total miles driven in autonomous mode | 2284.35 | |
| Qualifying disengagements | 6 | |
| Disengagements detail | | |
| Date | Time | Causal factors |
| 2016-11-01 | 14:39 | Planned test, to address unexpected behavior |
| 2016-11-13 | 12:46 | Planned test, to avoid unexpected behavior |
| 2016-11-14 | 10:51 | Planned test, to address unexpected behavior |

| | | |
|------------|-------|--|
| 2016-11-14 | 10:52 | Planned test, to address unexpected behavior |
| 2016-11-28 | 18:20 | Planned test, to avoid unexpected behavior |
| 2016-11-29 | 11:19 | Planned test, to avoid unexpected behavior |