Manufacturer Name: Toyota Motor Engineering & Manufacturing
Submission Date: MAR 19, 2020
NHTSA Recall No.: 20V-012
Manufacturer Recall No.: See attached report

Manufacturer Information:
Manufacturer Name: Toyota Motor Engineering & Manufacturing
Address: 6565 Headquarters Drive
Plano TX 75024
Company phone: 1-800-331-4331

Population:
Number of potentially involved: 1,830,752
Estimated percentage with defect: NR

Vehicle Information:
Vehicle Type: NR
Body Style: NR
Power Train: NR
Descriptive Information:
(1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
(2) Based on Toyota’s current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.
(3) Some hybrid models are equipped with the aforementioned fuel pumps. However, with the exception of LS500h and LC500h, if the condition occurs, these vehicles will enter a fail-safe driving mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future.

Production Dates: SEP 02, 2013 - MAR 11, 2015
VIN Range 1: Begin: NR End: NR

Vehicle 2: 2018-2019 Toyota Highlander

Note: Unknown. Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the issue in each case will lead to a vehicle stall while driving at higher speeds depends on many variables, such as the specific production condition of fuel pump impeller and vehicle operating conditions.
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<tbody>
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</tbody>
</table>

Production Dates: NOV 08, 2017 - JUL 03, 2019

VIN Range 1: Begin: NR, End: NR

Vehicle 3: 2018-2019 Toyota Tacoma

Vehicle Type | Body Style | Power Train | Descriptive Information |
<table>
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<tr>
<th>Production Dates</th>
<th>VIN Range 1</th>
<th>Vehicle 4</th>
<th>Vehicle Type</th>
<th>Body Style</th>
<th>Power Train</th>
<th>Descriptive Information</th>
</tr>
</thead>
</table>
| NOV 07, 2017 - FEB 19, 2019 | Begin: NR, End: NR, Not sequential | 2018-2019 Toyota Tundra | NR | NR | (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.  
(2) Based on Toyota's current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.  
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<tr>
<th>Production Dates</th>
<th>VIN Range 1</th>
<th>Vehicle 5</th>
<th>Vehicle Type</th>
<th>Body Style</th>
<th>Power Train</th>
<th>Descriptive Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>APR 02, 2018 - FEB 06, 2019</td>
<td>Begin: NR, End: NR, Not sequential</td>
<td>2018-2019 Lexus ES350</td>
<td>NR</td>
<td>NR</td>
<td>(1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.</td>
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Production Dates: APR 02, 2018 - MAY 06, 2019
VIN Range 1: Begin: NR End: NR Not sequential

Vehicle 6: 2014-2015 Lexus GX460
Vehicle Type: NR
Body Style: NR
Power Train: NR
Descriptive Information:

(1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.

(2) Based on Toyota’s current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.

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The information contained in this report was submitted pursuant to 49 CFR §573

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<th>Vehicle 7</th>
<th>2018-2019 Lexus LC500</th>
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<tr>
<td>VIN Range</td>
<td>SEP 02, 2013 - FEB 19, 2015</td>
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<td>Production Dates</td>
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<tr>
<th>Vehicle 8</th>
<th>2018-2019 Lexus LS500</th>
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<tbody>
<tr>
<td>VIN Range</td>
<td>OCT 06, 2017 - JAN 31, 2019</td>
</tr>
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<td>Production Dates</td>
<td>OCT 06, 2017 - JAN 31, 2019</td>
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<th>Vehicle 9</th>
<th>2014-2015 Lexus LX570</th>
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| Production Dates | SEP 02, 2013 - MAR 11, 2015 |
| VIN Range 1 | Begin: NR | End: NR | Not sequential |
Vehicle  10 : 2015-2015 Lexus NX200t
Vehicle Type :  
Body Style :  
Power Train : NR  
Descriptive Information : (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
(2) Based on Toyota’s current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.
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Production Dates : OCT 20, 2014 - JUN 02, 2015
VIN Range  1 : Begin : NR End : NR □ Not sequential

Vehicle  11 : 2018-2019 Lexus RC300
Vehicle Type :  
Body Style :  
Power Train : NR  
Descriptive Information : (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
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Production Dates: NOV 27, 2017 - JAN 31, 2019
VIN Range 1: Begin: NR End: NR

Vehicle 12: 2017-2019 Toyota Sienna
Vehicle Type: NR
Body Style: NR
Power Train: NR
Descriptive Information:
(1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
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Production Dates: NOV 08, 2017 - FEB 11, 2019
VIN Range 1: Begin: NR End: NR

Vehicle Type: NR
Body Style: NR
Power Train: NR
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<tr>
<td>VIN Range 1 End</td>
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<tr>
<td>Vehicle 14</td>
<td>2018-2019 Toyota Camry</td>
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<td>Vehicle Type</td>
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<tr>
<td>Body Style</td>
<td>NR</td>
</tr>
<tr>
<td>Power Train</td>
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The information contained in this report was submitted pursuant to 49 CFR §573 production condition of fuel pump impeller and vehicle operating conditions.

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<th>Production Dates</th>
<th>VIN Range</th>
<th>Vehicle 15</th>
<th>Vehicle Type</th>
<th>Body Style</th>
<th>Power Train</th>
<th>Descriptive Information</th>
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<tbody>
<tr>
<td>NOV 20, 2017 - FEB 14, 2019</td>
<td>NR/NR</td>
<td>2018-2019 Toyota Avalon</td>
<td>NR</td>
<td>NR</td>
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<tr>
<td>APR 02, 2018 - FEB 11, 2019</td>
<td>NR/NR</td>
<td>2014-2015 Toyota 4Runner</td>
<td>NR</td>
<td>NR</td>
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<th>Vehicle</th>
<th>2018-2019 Toyota Sequoia</th>
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<tr>
<td>VIN Range 1</td>
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<tr>
<td>Production Dates</td>
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<tr>
<th>Vehicle</th>
<th>2018-2019 Lexus IS300</th>
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<tr>
<td>VIN Range 1</td>
<td>Begin: NR</td>
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<tr>
<td>Production Dates</td>
<td>APR 02, 2018 - MAR 18, 2019</td>
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Vehicle Type:
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<th>Body Style:</th>
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| Production Dates: | OCT 02, 2017 - JAN 31, 2019 |
| VIN Range 1: | Begin: NR, End: NR |

| Vehicle 19: | 2018-2019 Lexus GS300 |
| Vehicle Type: | |
| Body Style: | |
| Power Train: | NR |
| Descriptive Information: | (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.  
(2) Based on Toyota's current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.  
(3) Some hybrid models are equipped with the aforementioned fuel pumps. However, with the exception of LS500h and LC500h, if the condition occurs, these vehicles will enter a fail-safe driving mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future. |
Note: Unknown. Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the issue in each case will lead to a vehicle stall while driving at higher speeds depends on many variables, such as the specific production condition of fuel pump impeller and vehicle operating conditions.

Production Dates: OCT 13, 2017 - JAN 18, 2019
VIN Range 1: Begin: NR End: NR □ Not sequential

Vehicle 20: 2013-2015 Lexus GS350
Vehicle Type: 
Body Style: NR
Power Train: NR
Descriptive Information: (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
(2) Based on Toyota's current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.
(3) Some hybrid models are equipped with the aforementioned fuel pumps. However, with the exception of LS500h and LC500h, if the condition occurs, these vehicles will enter a fail-safe driving mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future.

Production Dates: SEP 02, 2013 - FEB 21, 2015
VIN Range 1: Begin: NR End: NR □ Not sequential

Vehicle Type: 
Body Style: 
Power Train: NR
Descriptive Information: (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
(2) Based on Toyota's current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers

The information contained in this report was submitted pursuant to 49 CFR §573
produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.

(3) Some hybrid models are equipped with the aforementioned fuel pumps. However, with the exception of LS500h and LC500h, if the condition occurs, these vehicles will enter a fail-safe driving mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future.

Note: Unknown. Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the issue in each case will lead to a vehicle stall while driving at higher speeds depends on many variables, such as the specific production condition of fuel pump impeller and vehicle operating conditions.

Production Dates: OCT 03, 2017 - JAN 31, 2019
VIN Range 1: Begin: NR End: NR Not sequential

Vehicle Type: 
Body Style: 
Power Train: NR
Descriptive Information: (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
(2) Based on Toyota’s current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.
(3) Some hybrid models are equipped with the aforementioned fuel pumps. However, with the exception of LS500h and LC500h, if the condition occurs, these vehicles will enter a fail-safe driving mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future.

Note: Unknown. Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the issue in each case will lead to a vehicle stall while driving at higher speeds depends on many variables, such as the specific
### Part 573 Safety Recall Report

**Production Dates:** SEP 10, 2013 - JUL 24, 2014  
**VIN Range 1:** Begin: NR  |  End: NR  |  Not sequential

**Vehicle 23:** 2017-2017 Lexus IS200t  
**Vehicle Type:**  
**Body Style:**  
**Power Train:** NR

**Descriptive Information:**  
1. Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.  
2. Based on Toyota’s current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.  
3. Some hybrid models are equipped with the aforementioned fuel pumps. However, with the exception of LS500h and LC500h, if the condition occurs, these vehicles will enter a fail-safe driving mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future.

**Production Dates:** OCT 02, 2017 - OCT 02, 2017  
**VIN Range 1:** Begin: NR  |  End: NR  |  Not sequential

**Vehicle 24:** 2014-2015 Lexus IS350  
**Vehicle Type:**  
**Body Style:**  
**Power Train:** NR

**Descriptive Information:**  
1. Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.  
2. Based on Toyota’s current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time.
Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.

(3) Some hybrid models are equipped with the aforementioned fuel pumps. However, with the exception of LS500h and LC500h, if the condition occurs, these vehicles will enter a fail-safe driving mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future.

Note: Unknown. Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the issue in each case will lead to a vehicle stall while driving at higher speeds depends on many variables, such as the specific production condition of fuel pump impeller and vehicle operating conditions.

Production Dates: SEP 02, 2013 - FEB 21, 2015
VIN Range 1: Begin: NR End: NR Not sequential

Vehicle Type: NR
Body Style: NR
Power Train: NR

Descriptive Information:
(1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
(2) Based on Toyota’s current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.
(3) Some hybrid models are equipped with the aforementioned fuel pumps. However, with the exception of LS500h and LC500h, if the condition occurs, these vehicles will enter a fail-safe driving mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future.

Note: Unknown. Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the issue in each case will lead to a vehicle stall while driving at higher speeds depends on many variables, such as the specific production condition of fuel pump impeller and vehicle operating conditions.

Production Dates: OCT 02, 2017 - NOV 30, 2018
VIN Range 1: Begin: NR End: NR Not sequential
### Vehicle 26: 2018-2019 Lexus LC500h

**Vehicle Type:**  
**Body Style:**  
**Power Train:** NR

**Descriptive Information:**  
(1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.  
(2) Based on Toyota’s current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.  
(3) Some hybrid models are equipped with the aforementioned fuel pumps. However, with the exception of LS500h and LC500h, if the condition occurs, these vehicles will enter a fail-safe driving mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future.

**Production Dates:** OCT 06, 2017 - JAN 28, 2019

**VIN Range:**  
**Begin:** NR  
**End:** NR  
**Not sequential**

### Vehicle 27: 2013-2015 Lexus LS460

**Vehicle Type:**  
**Body Style:**  
**Power Train:** NR

**Descriptive Information:**  
(1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.  
(2) Based on Toyota’s current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.  
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The information contained in this report was submitted pursuant to 49 CFR §573

| Vehicle 28: | 2018-2019 Lexus LS500h |
| Vehicle Type: | |
| Body Style: | NR |
| Power Train: | NR |
| Descriptive Information: | (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.  
(2) Based on Toyota’s current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.  
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| VIN Range 1: Begin: | NR | End: NR |

Note: Unknown. Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the issue in each case will lead to a vehicle stall while driving at higher speeds depends on many variables, such as the specific production condition of fuel pump impeller and vehicle operating conditions.

| Vehicle 29: | 2017-2017 Lexus RC200t |
| Vehicle Type: | |
| Body Style: | NR |
| Power Train: | NR |
| Descriptive Information: | (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.  
(2) Based on Toyota’s current understanding of the condition, this recall applies |
| Production Dates: | OCT 07, 2017 - JAN 30, 2019 |
| VIN Range 1: Begin: | NR | End: NR |

Note: Unknown. Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the issue in each case will lead to a vehicle stall while driving at higher speeds depends on many variables, such as the specific production condition of fuel pump impeller and vehicle operating conditions.
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<table>
<thead>
<tr>
<th>Production Dates</th>
<th>SEP 14, 2017 - NOV 28, 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIN Range 1</td>
<td>Begin: NR</td>
</tr>
<tr>
<td></td>
<td>End: NR</td>
</tr>
<tr>
<td>Vehicle Type</td>
<td>2015-2015 Lexus RC350</td>
</tr>
<tr>
<td>Body Style</td>
<td>NR</td>
</tr>
<tr>
<td>Power Train</td>
<td>NR</td>
</tr>
<tr>
<td>Descriptive Information</td>
<td>(1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.</td>
</tr>
<tr>
<td></td>
<td>(2) Based on Toyota's current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.</td>
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Note: Unknown. Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the issue in each case will lead to a vehicle stall while driving at higher speeds depends on many variables, such as the specific production condition of fuel pump impeller and vehicle operating conditions.
### Descriptive Information:

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### Note:

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<table>
<thead>
<tr>
<th>Vehicle 33</th>
<th>2018-2019 Lexus RX350L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>OCT 02, 2017 - JUL 25, 2019</td>
</tr>
<tr>
<td>VIN Range 1</td>
<td>Begin: NR  End: NR</td>
</tr>
</tbody>
</table>
| Descriptive Information: | (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.  
(2) Based on Toyota's current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.  
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<table>
<thead>
<tr>
<th>Vehicle 34</th>
<th>2014-2014 Toyota FJ Cruiser</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>JUL 25, 2019 - MAY 08, 2019</td>
</tr>
<tr>
<td>VIN Range 1</td>
<td>Begin: NR  End: NR</td>
</tr>
</tbody>
</table>

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### Descriptive Information:

1. Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
2. Based on Toyota's current understanding of the condition, this recall applies to certain vehicles with specific fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain either (1) a pump impeller of a type with lower surface strength or (2) a pump impeller that was exposed to production solvent drying for longer periods of time. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.
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Note: Unknown. Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the issue in each case will lead to a vehicle stall while driving at higher speeds depends on many variables, such as the specific production condition of fuel pump impeller and vehicle operating conditions.

### Production Dates:

- **SEP 02, 2013 - AUG 07, 2014**

### VIN Range

- **Begin:** NR
- **End:** NR
- **Not sequential:**

### Description of Defect:

The subject vehicles are equipped with a low-pressure fuel pump, located in the fuel tank, that supplies fuel pressure to the fuel injection system. These fuel pumps may include impellers which have been manufactured with lower density. If these impellers are also (1) of a type with lower surface strength or (2) of a different type but were exposed to production solvent drying for longer periods of time, higher levels of surface cracking may occur. In this condition, excessive fuel absorption may occur, resulting in increased impeller deformation. In some cases, the impeller may deform to a point that creates sufficient interference with the fuel pump body to cause the fuel pump to become inoperative. An inoperative fuel pump due to these conditions could result in illumination of check engine and master warning indicators, rough engine running, engine no start and/or vehicle stall while driving at low speed. However, in rare instances, vehicle stall could occur while driving at higher speeds, increasing the risk of a crash.

### Description of the Safety Risk:

In this condition, excessive fuel absorption may occur, resulting in increased impeller deformation. In some cases, the impeller may deform to a point that creates sufficient interference with the fuel pump body to cause the fuel
pump to become inoperative. An inoperative fuel pump due to these conditions could result in illumination of check engine and master warning indicators, rough engine running, engine no start and/or vehicle stall while driving at low speed. However, in rare instances, vehicle stall could occur while driving at higher speeds, increasing the risk of a crash.

<table>
<thead>
<tr>
<th>Description of the Cause:</th>
<th>NR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identification of Any Warning that can Occur:</td>
<td>NR</td>
</tr>
</tbody>
</table>

**Supplier Identification:**

**Component Manufacturer**

- **Name:** Denso Corporation
- **Address:** 1-1, Showa-cho Kariya-city, Aichi FOREIGN STATES 448-8661
- **Country:** Japan

**Chronology:**

Please see the attached Amended Part 573 Defect Information Report for the full chronology

**Description of Remedy:**

- **Description of Remedy Program:** All known owners of the affected Toyota and Lexus vehicles will be notified by first class mail to return their vehicles to a Toyota or Lexus dealer. Dealers will replace the fuel pump assembly with an improved one. The owner letter will instruct vehicle owners who have paid to have this condition remedied prior to this campaign to seek reimbursement pursuant to Toyota’s General Reimbursement Plan.

  Reimbursement Plan for pre-notification remedies:

  The owner letter will instruct vehicle owners who have paid to have this condition remedied prior to this campaign to seek reimbursement pursuant to Toyota’s General Reimbursement Plan.

- **How Remedy Component Differ from Recalled Component:** See attached Amended Part 573 Defect Information Report.

- **Identify How/When Recall Condition was Corrected in Production:** NR
### Recall Schedule:

| Description of Recall Schedule | Owners of vehicles currently included in the recall, that were not included in the amendment on March 4, 2020, will be notified by May 18, 2020. Owners of vehicles included in the amendment on March 4, 2020, that were not included in the original recall population on January 13, 2020, will be notified by May 3, 2020. Owners of the vehicles that were originally covered by this recall (as filed on January 13) and are still covered by this recall, as amended, were notified by March 13, 2020. Notifications to distributors/dealers were sent by March 19, 2020. Copies of dealer communications will be submitted as they are issued. |
| Planned Dealer Notification Date | MAR 19, 2020 - MAR 19, 2020 |
| Planned Owner Notification Date | MAR 13, 2020 - MAY 18, 2020 |

* NR - Not Reported