Safety Recall: 2016-18 MDX and 2015-19 TLX V6 Fuel Pump

Supersedes 19-011, dated January 30, 2019, to revise the sections highlighted in <mark>yellow</mark>.

AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2016-18	MDX	ALL	Check the iN VIN status for eligibility.
2015-19	TLX V6	ALL	Check the iN VIN status for eligibility.

REVISION SUMMARY

- <mark>Under SOFTWARE INFORMATION, the AcuraWatch Plus Package was added.</mark>

- <mark>Under WARRANTY CLAIM INFORMATION, PCM idle learn and CKP pattern - clear/learn were added.</mark>

- <mark>Under REPAIR PROCEDURE A, the PCM idle learn and CKP pattern - clear/learn procedures were added.</mark>

- <mark>Under REPAIR PROCEDURE B, the PCM idle learn and CKP pattern - clear/learn procedures were added.</mark>

BACKGROUND

Under certain driving conditions using fuel with high sodium content and with other ambient conditions present, the fuel pump may fail to provide enough fuel to the engine, leading to a stall.

CLIENT NOTIFICATION

Owners of affected vehicles will be sent a notification of this campaign.

Do an iN VIN status inquiry to make sure the vehicle is shown as eligible.

Some vehicles affected by this campaign may be in your new or used vehicle inventory.

Failure to repair a vehicle subject to a recall or campaign may subject your dealership to claims or lawsuits from the client or anyone else harmed as a result of such failure. To see if a vehicle in inventory is affected by this safety recall, do a VIN status inquiry before selling it.

CORRECTIVE ACTION

Check if the vehicle's on-board snapshot shows an engine stall stored. If an engine stall is identified, update the PGM-FI and replace the low pressure fuel pump module. If no engine stall is identified, update the PGM-FI only.

WARRANTY CLAIM INFORMATION

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
2235A7	Procedure A (ALL models) - Update the PGM-FI. Includes checking the on-board snapshot, idle learn and CKP pattern clear/learn.	0.4 hr	6GS00	P3W00	B19011A	17045-TZ5-A10
2235A8	Procedure B (MDX) - Update the PGM-FI, and replace the low pressure fuel pump module. Includes checking the on-board snapshot, idle learn and CKP pattern clear/learn.	1.2 hr	6GS00	P3W00	B19011B	17045-TZ5-A10
2235A8	Procedure B (TLX 2WD) - Update the PGM-FI, and replace the low pressure fuel pump module. Includes checking the on-board snapshot, idle learn and CKP pattern clear/learn.	1.0 hr	6GS00	P3W00	B19011C	17045-TZ5-A10
2235A8	Procedure B (TLX AWD) - Update the PGM-FI, and replace the low pressure fuel pump module. Includes checking the on-board snapshot, idle learn and CKP pattern clear/learn.	1.0 hr	6GS00	P3W00	B19011D	17045-TZ5-A10

Skill Level: Repair Technician

SOFTWARE INFORMATION

NOTE

Unnecessary or incorrect repairs resulting from a failure to update the i-HDS are not covered under warranty.

i-HDS Software Version: **1.004.060 or later**

J2534 Software Information:

- PC Application Version **1.1.0.6 or later**

- Database update **27-DEC-2018 or later**

Before beginning the repair, make sure that both the i-HDS and J2534 software are updated as listed above.

Do only the update listed in this service bulletin.

For more information about updating the i-HDS, the MVCI, and vehicle systems, refer to Service Bulletin 01-026, *Updating Control Units/Modules*.

Year/Model	Software System	Program ID (or later)	Program P/N (or later)
2016 MDX 2WD With Technology Package	PGM-FI	J64160	37820-5J6-416
2016 MDX 2WD With Technology and AcuraWatch Plus Package	PGM-FI	J64170	37805-5J6-417
2017 MDX 2WD With Technology Package	PGM-FI	J66700	37805-5J6-670
2017 MDX SH-AWD® With Technology Package	PGM-FI	J66900	37805-5J6-690
2017 MDX 2WD With Advance Package	PGM-FI	J67000	37805-5J6-700
2017 MDX SH-AWD® With Advance Package	PGM-FI	J67100	37805-5J6-710
2018 MDX 2WD With Technology Package	PGM-FI	BN3050	37805-5BN-305
2018 MDX SH-AWD® With Technology Package	PGM-FI	BN3070	37805-5BN-307
2018 MDX 2WD With Advance Package	PGM-FI	BN3060	37805-5BN-306
2018 MDX SH-AWD® With Advance Package	PGM-FI	BN3080	37805-5BN-308
2015-16 TLX With Technology Package	PGM-FI	J23150	37805-5J2-315
2015-16 TLX With Advance Package	PGM-FI	J23160	37805-5J2-316
2015-16 TLX SH-AWD® With Technology Package	PGM-FI	J23170	37805-5J2-317

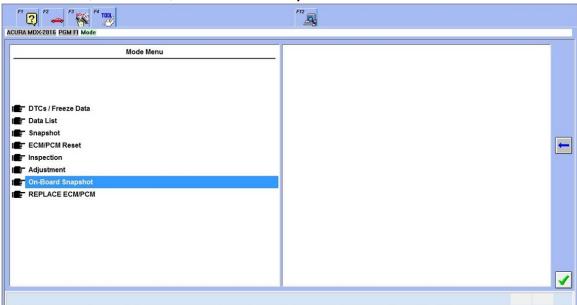| Year/Model	Software System	Program ID (or later)	Program P/N (or later)
2015-16 TLX SH-AWD® With Advance Package	PGM-FI	J23190	37805-5J2-319
2017 TLX With Technology Package	PGM-FI	J24150	37805-5J2-415
2017 TLX With Advance Package	PGM-FI	J24160	37805-5J2-416
2017 TLX SH-AWD® With Technology Package	PGM-FI	J24170	37805-5J2-417
2017 TLX SH-AWD® With Advance Package	PGM-FI	J24180	37805-5J2-418
2018 TLX ALL except SH-AWD®	PGM-FI	J26000	37805-5J2-600
2018 TLX ALL SH-AWD®	PGM-FI	J26100	37805-5J2-610
2019 TLX ALL except SH-AWD®	PGM-FI	J2C720	37805-5J2-C72
2019 TLX ALL SH-AWD®	PGM-FI	J2C820	37805-5J2-C82

PARTS INFORMATION

> **NOTE**
>
> The expected failure rate of the fuel pump is very low. Only order the fuel pump and retainer if there is an Engine stall 2 in the on-board snapshot. **Do not** order for inventory.

Part Name	Part Number	Quantity
Low pressure fuel pump module	17045-TZ5-A10 (MDX)	1
	17045-T2B-A01 (TLX 2WD V6)	
	17045-TZ7-A00 (TLX AWD V6)	

INSPECTION

1. Connect the i-HDS to the vehicle, and turn the ignition to ON.

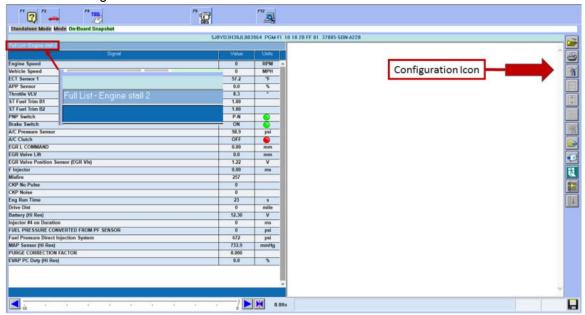2. Select **PGM-FI**, **Mode Menu**, then **On-Board Snapshot**.

3. Select the on-board snapshot titled, **Full List - Engine stall 2**.
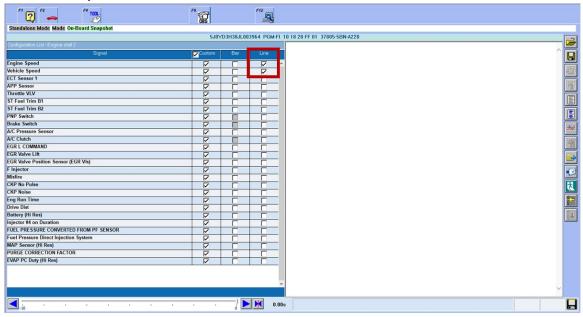
> **NOTE**
>
> There may be several on-board snapshot files. If there is no **Engine stall 2** in the on-board snapshot, only do REPAIR PROCEDURE A - PGM-FI UPDATE.

4. Select the Configuration icon.

From the list of parameters, select the following:
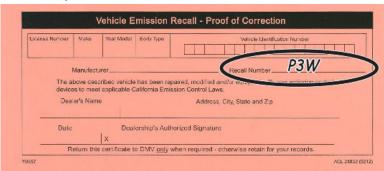
- **Engine Speed**

- **Vehicle Speed**

5. Select the Line Graph icon. If **Engine Speed** is 0 RPM while **Vehicle Speed** is greater than 0 MPH, the engine stalled and you must do REPAIR PROCEDURE B - PGM-FI UPDATE AND FUEL PUMP REPLACEMENT.

REPAIR PROCEDURE A - PGM-FI UPDATE
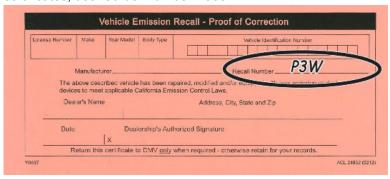
NOTES

- Connect a fully charged jumper battery to the vehicle and leave it connected during the entire procedure to maintain steady voltage.

- Never turn the ignition to OFF or ACCESSORY during the update. If there is a problem with the update, leave the ignition turned to ON.

- To prevent control unit damage, do not operate anything electrical (headlights, audio system, brakes, A/C, power windows, door locks, etc.) during the update.

- Do not use the MongoosePro VCI tool.

1. Update the PGM-FI using the i-HDS J2534 rewrite software with the MVCI or DST-i. Refer to Service Bulletin 01-026, *Updating Control Units/Modules*.

2. Do the PCM idle learn procedure. Refer to the service information.

3. Do the CKP pattern - clear/learn procedure. Refer to the service information.

4. **For California residents only**: Fill out a Vehicle Emissions Recall - Proof of Correction certificate, and use P3W as the recall number. Give the certificate to your client, and advise him or her to keep it as proof that the recall was completed. Your client will need to submit this certificate to the DMV only if the DMV requests it. If you need more certificates, use reorder number Y0657.

REPAIR PROCEDURE B - PGM-FI UPDATE AND FUEL PUMP REPLACEMENT

NOTES

- Connect a fully charged jumper battery to the vehicle and leave it connected during the entire procedure to maintain steady voltage.

- Never turn the ignition to OFF or ACCESSORY during the update. If there is a problem with the update, leave the ignition turned to ON.

- To prevent control unit damage, do not operate anything electrical (headlights, audio system, brakes, A/C, power windows, door locks, etc.) during the update.

- Do not use the MongoosePro VCI tool.

1. Update the PGM-FI software using the i-HDS J2534 rewrite software with the MVCI or DST-i. Refer to Service Bulletin 01-026, *Updating Control Units/Modules*.

2. Replace the low pressure fuel pump module located in the fuel tank. Refer to the service information.

3. Do the PCM idle learn procedure. Refer to the service information.

4. Do the CKP pattern - clear/learn procedure. Refer to the service information.

5. **For California residents only**: Fill out a Vehicle Emissions Recall - Proof of Correction certificate, and use P3W as the recall number. Give the certificate to your client, and advise him or her to keep it as proof that the recall was completed. Your client will need to submit this certificate to the DMV only if the DMV requests it. If you need more certificates, use reorder number Y0657.

END