March 26, 2021 Version 4

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

Supersedes 19-011, dated February 13, 2019. See REVISION SUMMARY.

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

Under INSPECTION, the last step was deleted.

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

Update the PGM-FI software. Only clients that specifically reported a stall condition, verified with the on-board snapshot, will qualify for the in-tank fuel pump replacement.

CLIENT INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by “do-it-yourselfers,” and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Acura automobile dealer.

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WARRANTY CLAIM INFORMATION

If you did this service bulletin after February 12, 2019, use the Warranty Claim Information provided below in white.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
2235A9	Procedure A - Update the PGM-FI software. Includes CKP pattern clear and idle learn.	0.2 hr	6GS00	P3W00	B29011A	17045-TZ5-A10
2235A9	Procedure A - Update the PGM-FI software. Includes CKP pattern clear and idle learn.	0.2 hr	6GS00	P3W00	B29011B	17045-TZ5-A10
A	Inspect the on-board snapshot and verify the engine stall.	0.2 hr				

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
2235A8	Procedure B (MDX) - Update the PGM-FI software, and replace the low pressure fuel pump module. Pre-approval needed. See the iN parts catalog for ordering. Includes CKP pattern clear and idle learn.	1.2 hr	6GS00	P3W00	B29011C	17045-TZ5-A10
A	Inspect the on-board snapshot and verify the engine stall.	0.2 hr				
2235A8	Procedure B (TLX 2WD) - Update the PGM-FI software, and replace the low pressure fuel pump module. Pre-approval needed. See the iN parts catalog for ordering. Includes CKP pattern clear and idle learn.	1.0 hr	6GS00	P3W00	B29011D	17045-TZ5-A10
A	Inspect the on-board snapshot and verify the engine stall.	0.2 hr				

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
2235A8	Procedure B (TLX AWD) - Update the PGM-FI software, and replace the low pressure fuel pump module. Pre-approval needed. See the iN parts catalog for ordering. Includes CKP pattern clear and idle learn.	1.0 hr	6GS00	P3W00	B29011E	17045-TZ5-A10
A	Inspect the on-board snapshot and verify the engine stall.	0.2 hr				

Skill Level: Repair Technician

If you did this service bulletin on or before February 12, 2019, use the Warranty Claim Information provided below shaded in grey.

Operation Number	Description	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
2235A7	Procedure A (ALL models) - Update the PGM-FI software. 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 software, 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 software, 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 software, 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

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

J2534 Rewrite Software Information:

- PC Application Version **1.1.0.6 or later**
- Database update **27-DEC-2018 or later**

NOTE:

- **Unnecessary or incorrect repairs resulting from a failure to update the i-HDS are not covered under warranty.**
- **Before beginning the repair, make sure that both the i-HDS and J2534 Rewrite 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 Base, Technology Package, and Technology with Entertainment Package	PGM-FI	J64160	37820-5J6-416
2016 MDX 2WD Base, Technology Package, and Technology with Entertainment Package (with AcuraWatch Plus)	PGM-FI	J64170	37805-5J6-417
2016 MDX 2WD With Advance Package and Advance with Entertainment Package	PGM-FI	J65160	37820-5J6-516
2016 MDX SH-AWD® Base, Technology Package, and Technology with Entertainment Package	PGM-FI	J64190	37805-5J6-419
2016 MDX SH-AWD® Base, Technology Package, and Technology with Entertainment Package (with AcuraWatch Plus)	PGM-FI	J65150	37805-5J6-515
2016 MDX SH-AWD® With Advance Package and Advance with Entertainment Package	PGM-FI	J65170	37805-5J6-517

Year/Model	Software System	Program ID (or later)	Program P/N (or later)
2017 MDX 2WD Base, Technology Package, and Technology with Entertainment Package	PGM-FI	J66700	37805-5J6-670
2017 MDX SH-AWD® Base, Technology Package, and Technology with Entertainment Package	PGM-FI	J66900	37805-5J6-690
2017 MDX 2WD With Advance Package and Advance with Entertainment Package	PGM-FI	J67000	37805-5J6-700
2017 MDX SH-AWD® With Advance Package and Advance with Entertainment Package	PGM-FI	J67100	37805-5J6-710
2018 MDX 2WD Base, Technology Package, and Technology with Entertainment Package	PGM-FI	BN3050	37805-5BN-305
2018 MDX SH-AWD® Base, Technology Package, and Technology with Entertainment Package	PGM-FI	BN3070	37805-5BN-307
2018 MDX 2WD With Advance Package and Advance with Entertainment Package	PGM-FI	BN3060	37805-5BN-306
2018 MDX SH-AWD® With Advance Package and Advance with Entertainment Package	PGM-FI	BN3080	37805-5BN-308

Year/Model	Software System	Program ID (or later)	Program P/N (or later)
2015-16 TLX Base and 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
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. The fuel pump and retainer are controlled parts and will only be sent out after the engine stall is verified and approved. See the iN parts catalog for ordering instructions. **Do not** order for inventory.

Part Name	Part Number	Quantity
Module set, fuel pump (low pressure fuel pump module)	17045-TZ5-A10 (MDX)	1
	17045-T2B-A01 (TLX 2WD V6)	
	17045-TZ7-A00 (TLX AWD V6)	
Retainer (white)	17711-S84-004	1

TOOL INFORMATION

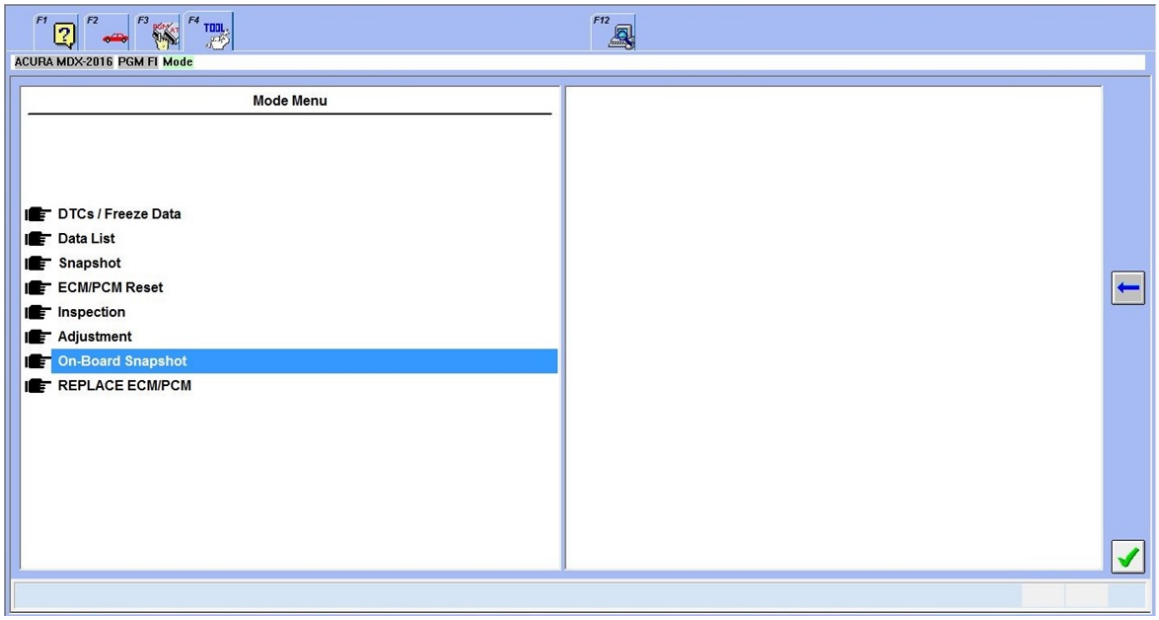
Part Name	Part Number	Quantity
Fuel pump module locknut wrench	070AA-T0AA100	1
Relay puller	07AAC-000A2A1 or 07AAC-000A1A0	1

INSPECTION

If the client does not have a complaint of an engine stall, do REPAIR PROCEDURE A - PGM-FI UPDATE. For vehicles in your dealership's new and used vehicle inventory, do REPAIR PROCEDURE A.

If the client has a complaint about an engine stall, proceed with this inspection.

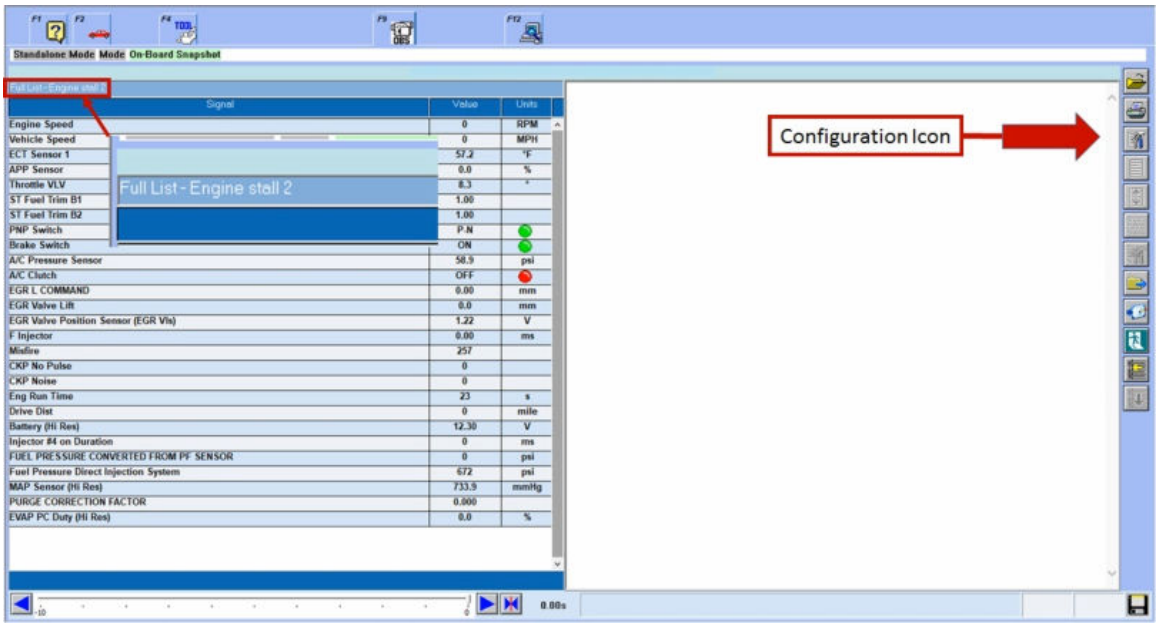
1. Connect the i-HDS to the vehicle, and turn the ignition to ON.
2. Select **PGM-FI**, **Mode Menu**, then **On-Board Snapshot**.



3. Select **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, do REPAIR PROCEDURE A - PGM-FI UPDATE.

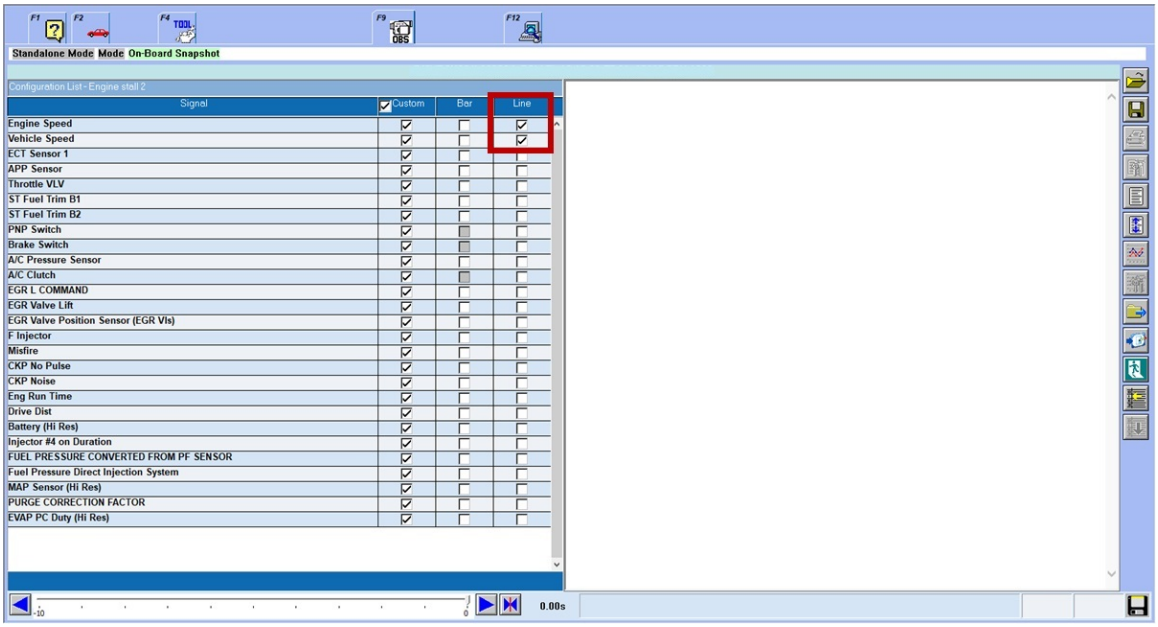
4. Select the **Configuration** icon.



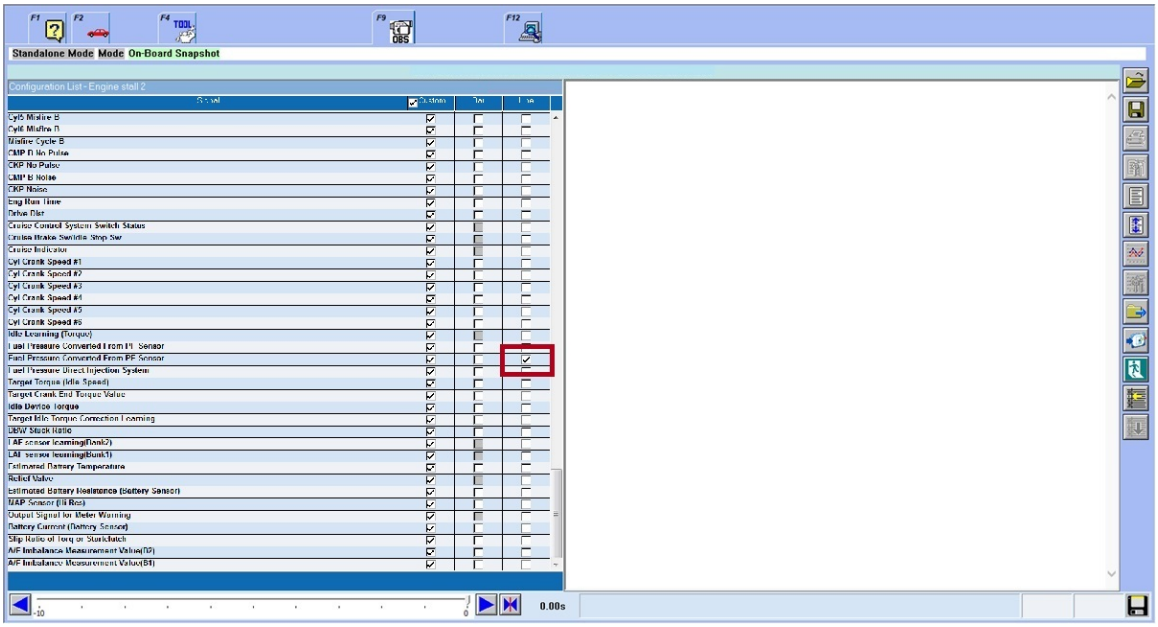
5. From the list of parameters, select the following:

   MDX and TLX AWD:

   - **Engine Speed**
   - **Vehicle Speed**

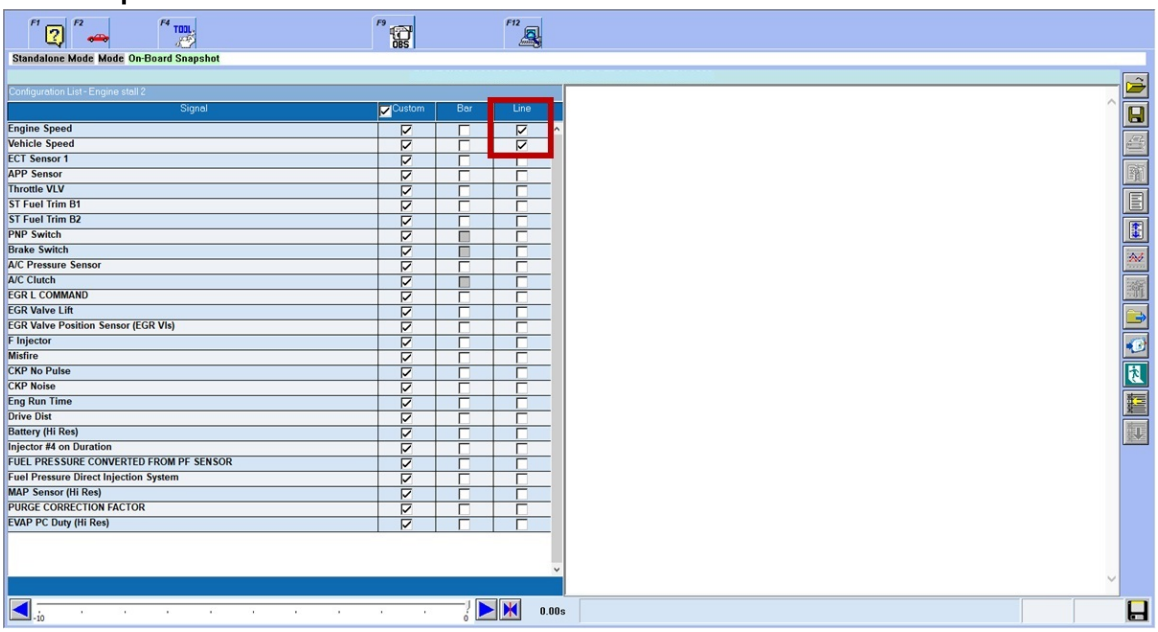


- **Fuel Pressure Converted from PF sensor**

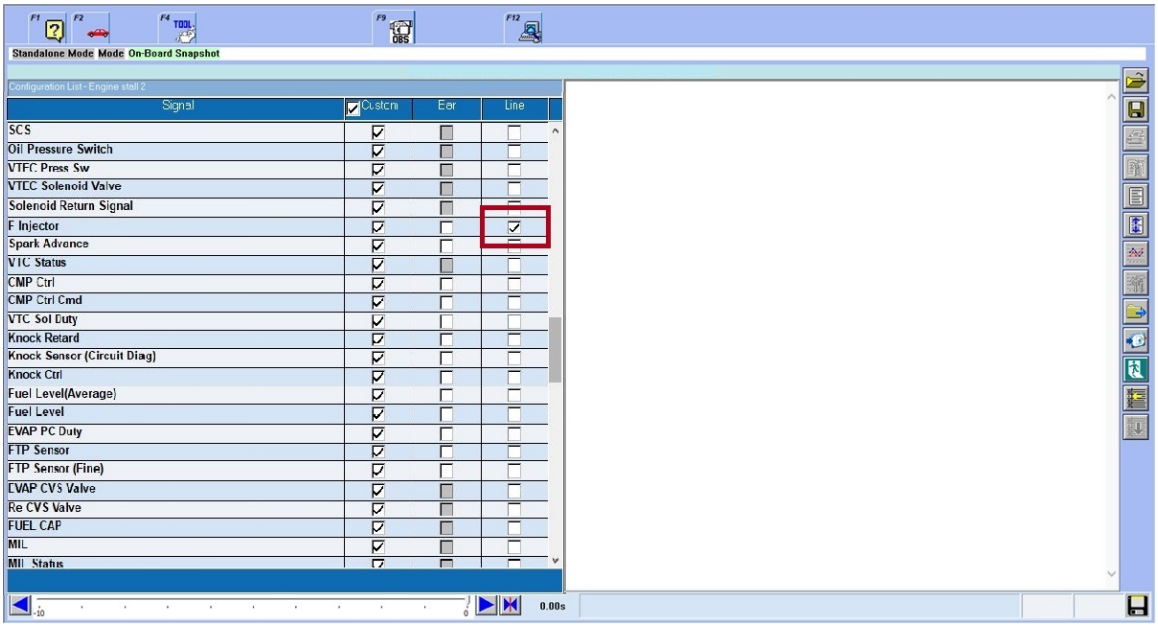


TLX 2WD:

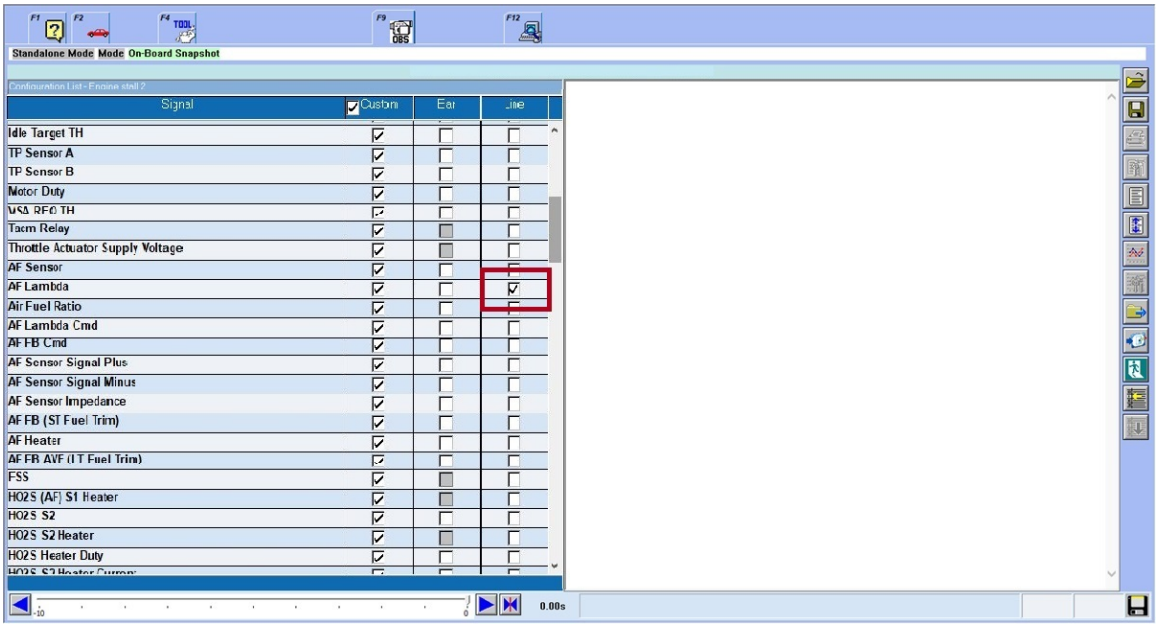
- **Engine Speed**
- **Vehicle Speed**



- **F Injector**

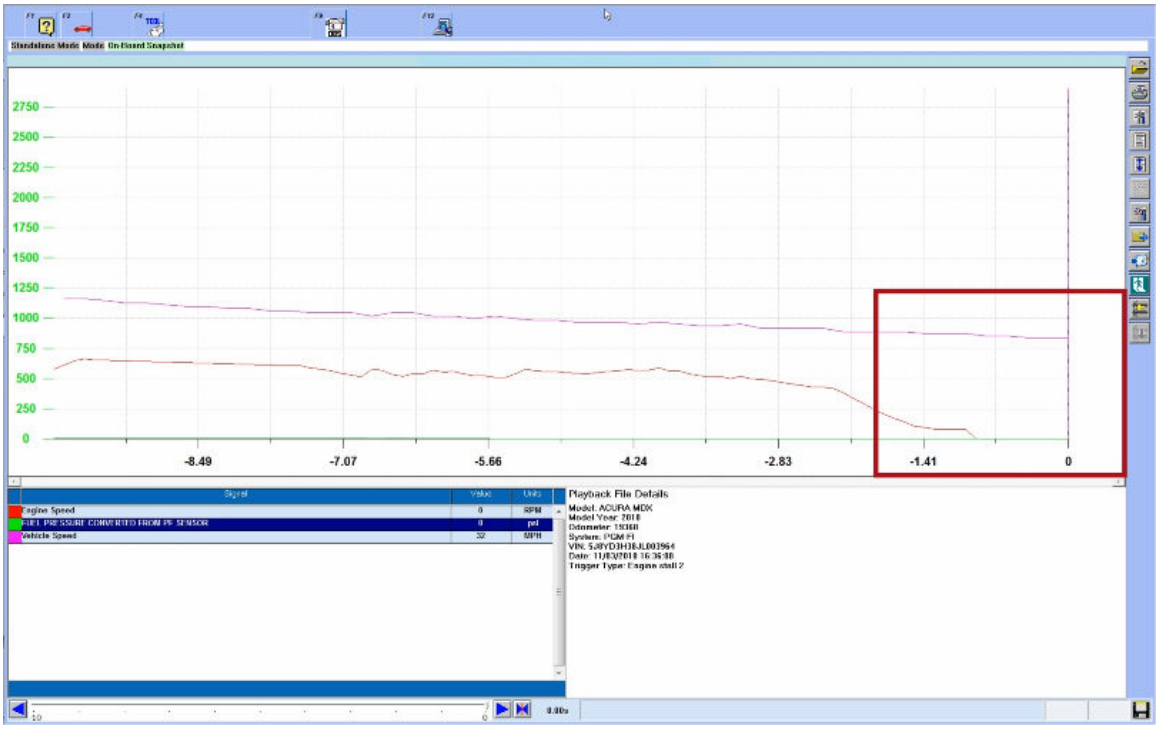


- **AF Lambda**

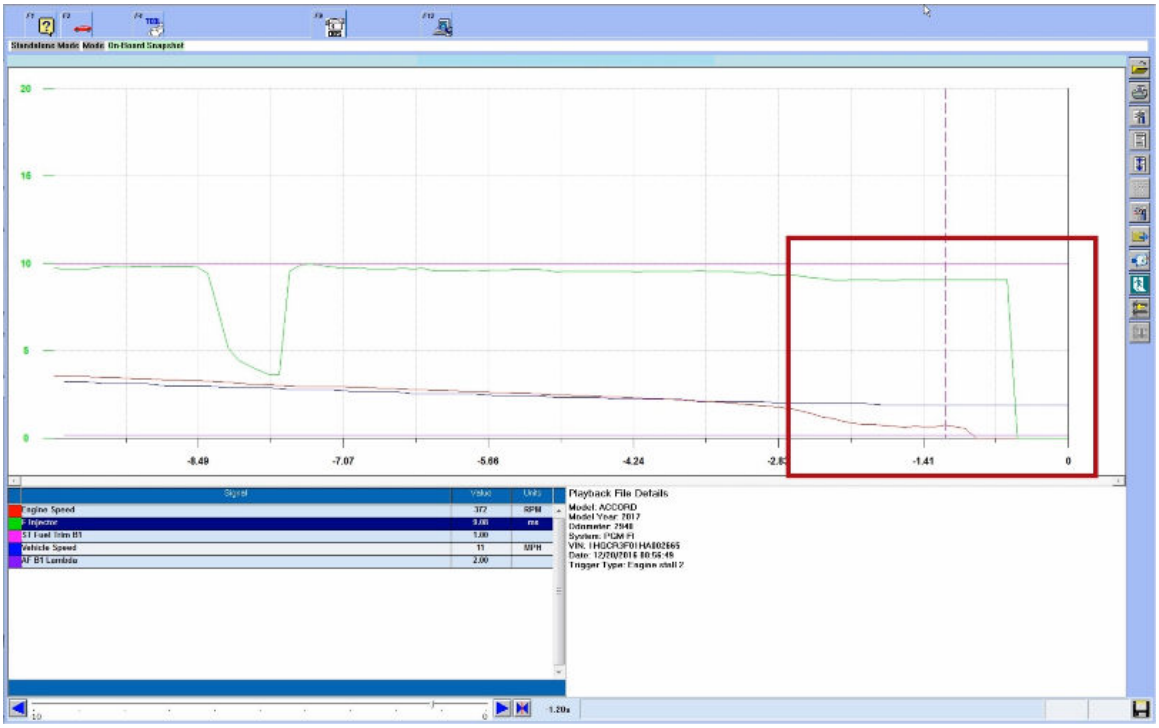


6. Select the **Line Graph** icon.

- For MDX and TLX AWD, if **Engine Speed** is **0 RPM** and **Fuel Pressure** is **0**, while **Vehicle Speed** is greater than **0 MPH**, the engine stalled. Proceed to the next step.



- For TLX 2WD, if **Engine Speed** is **0 RPM** and **AF Lambda** is **2**, while **Vehicle Speed** is greater than **0 MPH**, the engine stalled. Proceed to the next step.



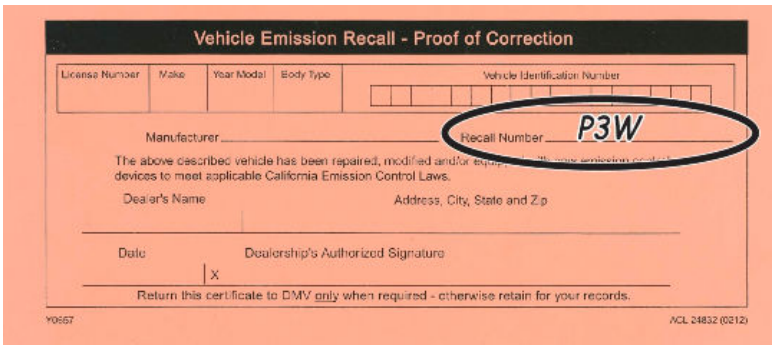
NOTE: If the on-board snapshot does **not** match the examples shown above, the engine stall is not related to this issue in this bulletin. Do REPAIR PROCEDURE A - PGM-FI UPDATE, and continue normal diagnosis for the engine stall.

REPAIR PROCEDURE A - PGM-FI UPDATE

NOTE:

- 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 CKP pattern - clear/learn procedure. Refer to the service information.
3. Do the PCM idle learn procedure. Refer to the service information.
4. *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**.


Vehicle Emission Recall - Proof of Correction

License Number | Make | Year Model | Body Type | Vehicle Identification Number

Manufacturer _____ Recall Number P3W

The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws.

Dealer's Name | Address, City, State and Zip

Date | Dealership's Authorized Signature

X

Return this certificate to DMV only when required - otherwise retain for your records.

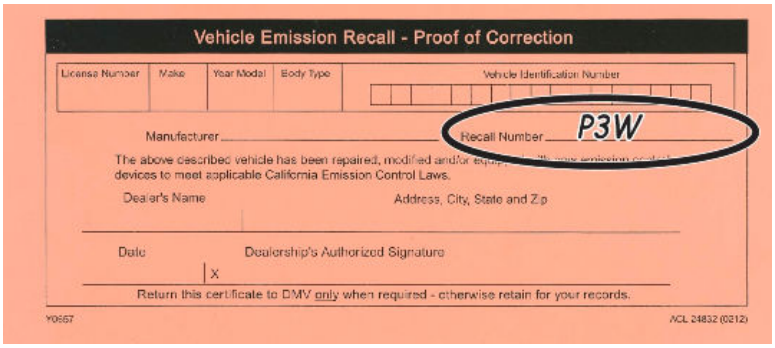
Y0657 | VCL 24832 (0212)

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

NOTE:

- 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 fuel tank unit (low pressure fuel pump module). 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**.



Vehicle Emission Recall - Proof of Correction

License Number | Make | Year Model | Body Type | Vehicle Identification Number

Manufacturer _____ Recall Number P3W

The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws.

Dealer's Name | Address, City, State and Zip

Date | Dealership's Authorized Signature

X

Return this certificate to DMV only when required - otherwise retain for your records.

Y0657 | ACL 24832 (0212)

END