



Technical Service Bulletin

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TSB230067

Released Date: 27-Apr-2023

Safety Campaign #5215 – HGLAA Fuel Hose Leak

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Warranty Statement

The information in this document authorizes specific changes to the repair practice for failures covered under product warranty coverages.

Contents

Product Affected

- HGLAA Spec A
- 2.8 HGLAA-8302 (Gasoline)
- 2.8 HGLAA-8303 (EVAP)

Issue

Symptom:

- Fuel line connection from fuel filter to the inlet of the Injection Pump Module (IPM) may not be secured properly

Root Cause:

- Incorrect hose used during assembly

Verification/Confirmation

- If the gasoline generator set has a serial number before B230206933, inspect to see if the fuel hose from filter to Injection Pump Module (IPM) has the specified colored writing on hose.

Refer to document TSB230067-A ([/qs3/pubsys2/xml/en/tsb/2023/tsb230067-a.html](https://qs3/pubsys2/xml/en/tsb/2023/tsb230067-a.html))
Safety Campaign #5215 HGLAA Fuel Hose Leak Affected Generator Set Serial Numbers for a table of affected units.

Resolution

Replace Oeitker (OET) clamp with new OET Clamps while using OET Pilers. Use Kit PN A073U493

See Service Instructions sections below, for proper fuel line, clamps, and installation instructions.

Service Instructions

1. If unit at OEM, unbox the unit from original packaging (not applicable for Installed Units).
2. Turn off the HGLAA generator set , Perform LOTO .
3. Remove the door enclosure (PN A062F793) by twisting the knob to open.

Note: If enclosure needs to be removed for adequate access be mindful of the enclosure tabs at the base pan.

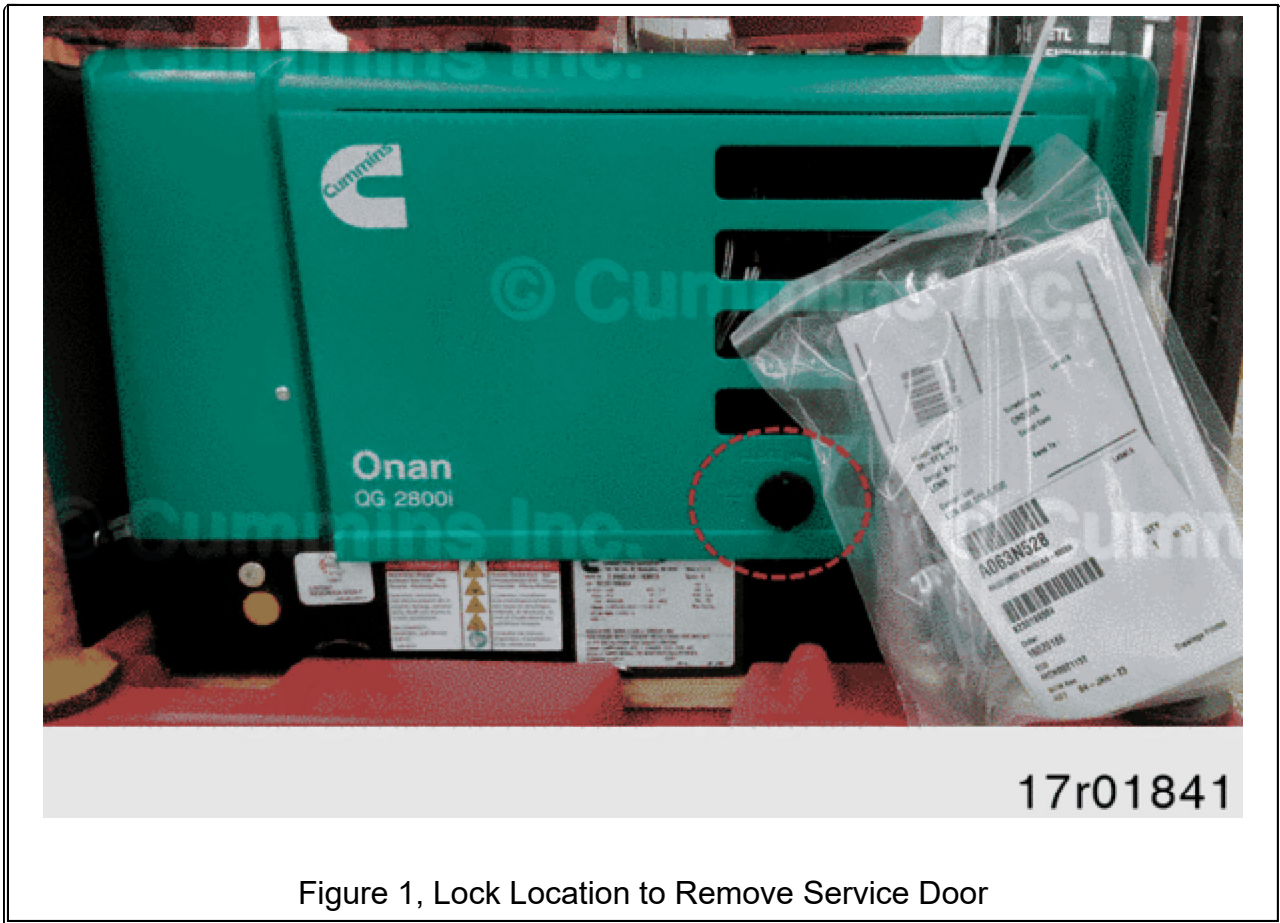
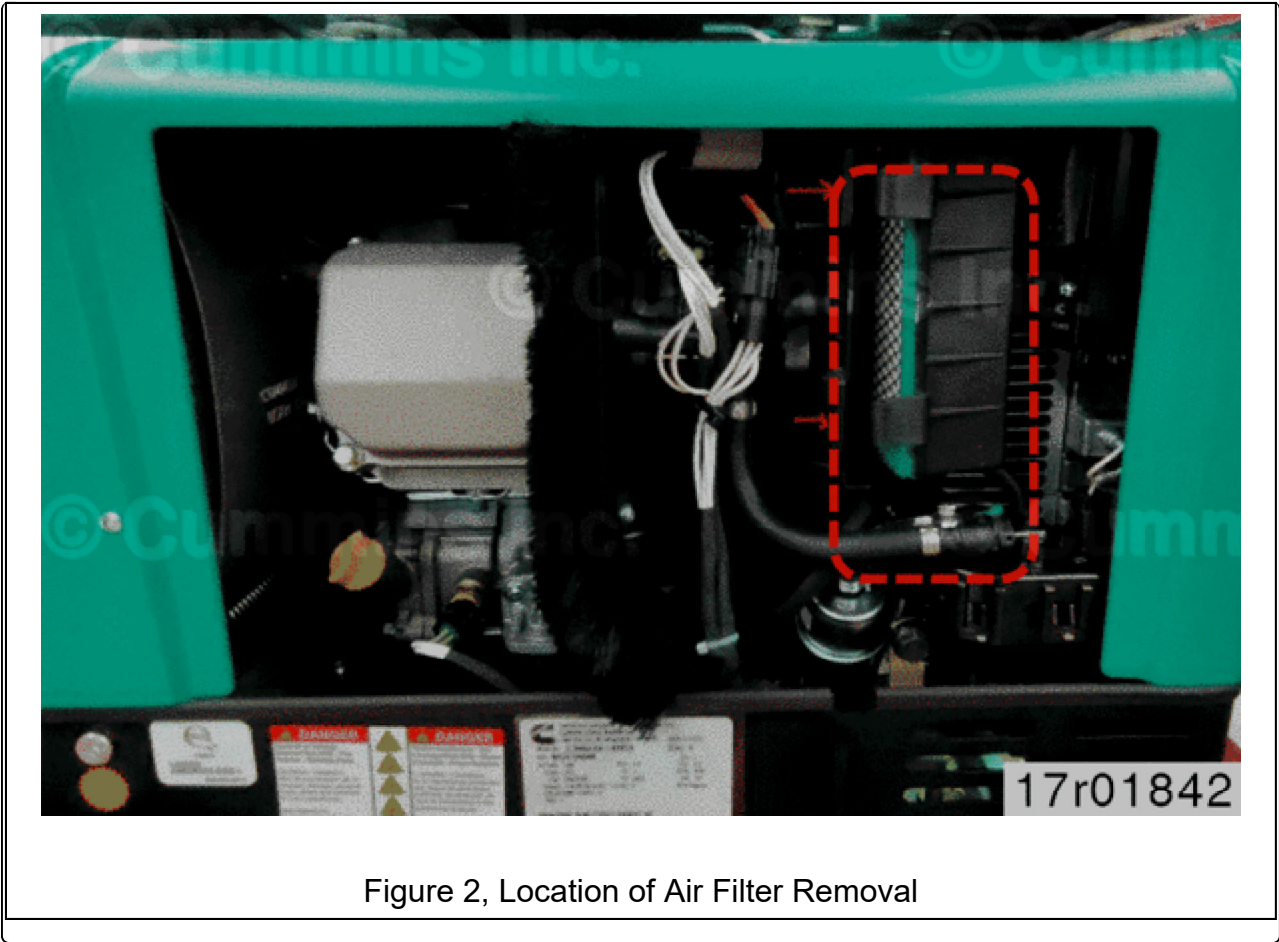


Figure 1, Lock Location to Remove Service Door

4. Remove top cover of air filter housing (PN A060W101) and filter by hand.



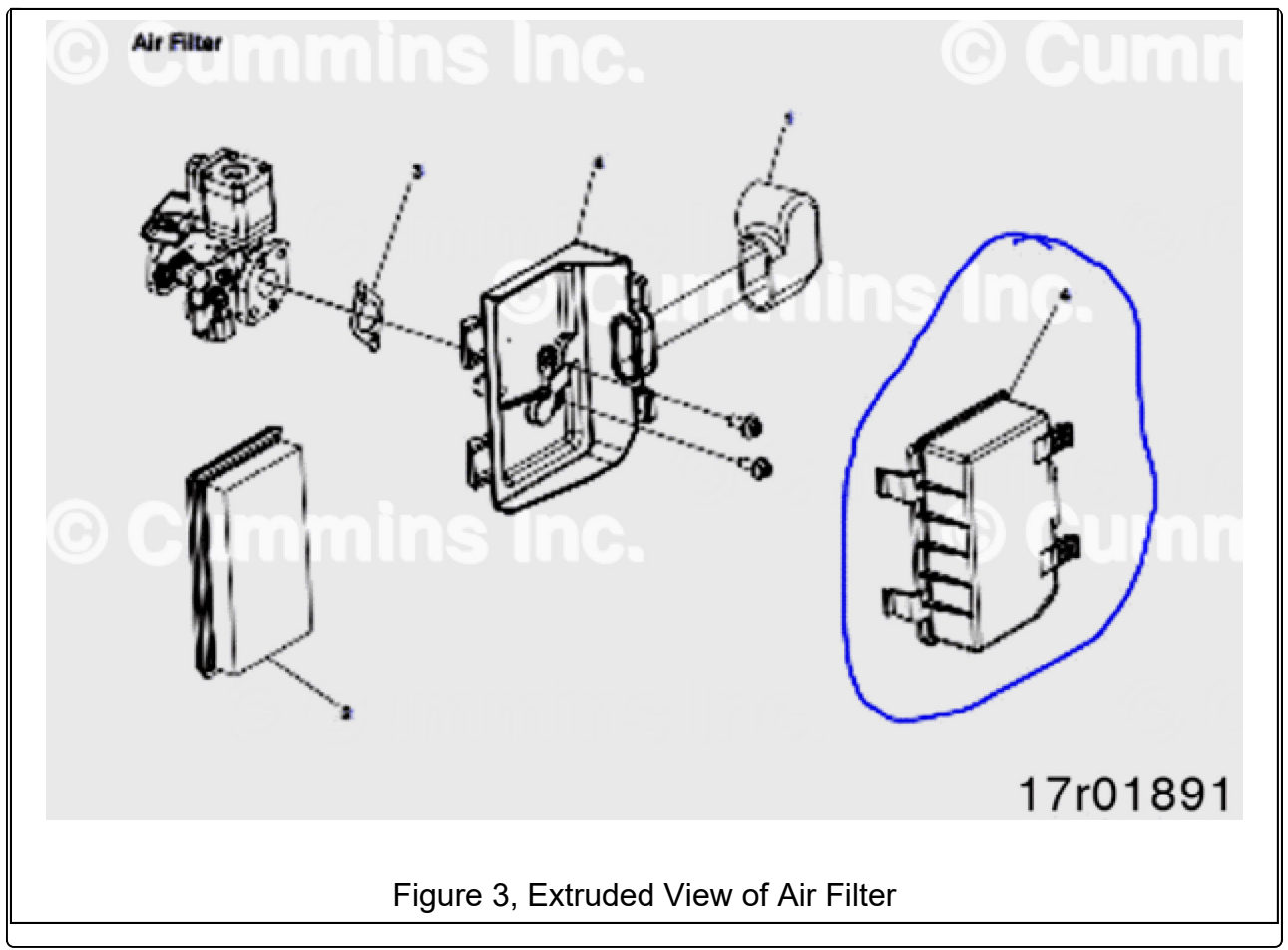


Figure 3, Extruded View of Air Filter



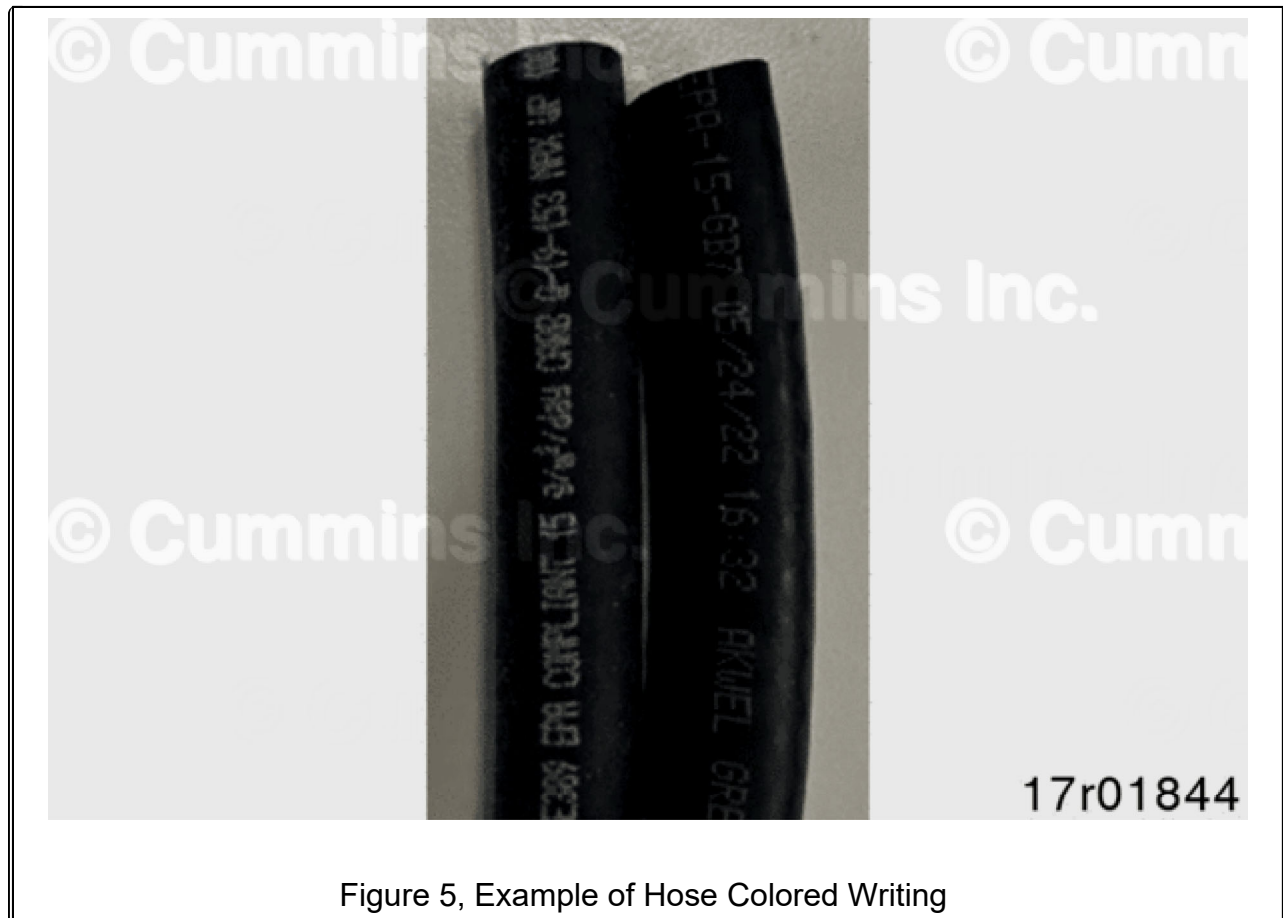
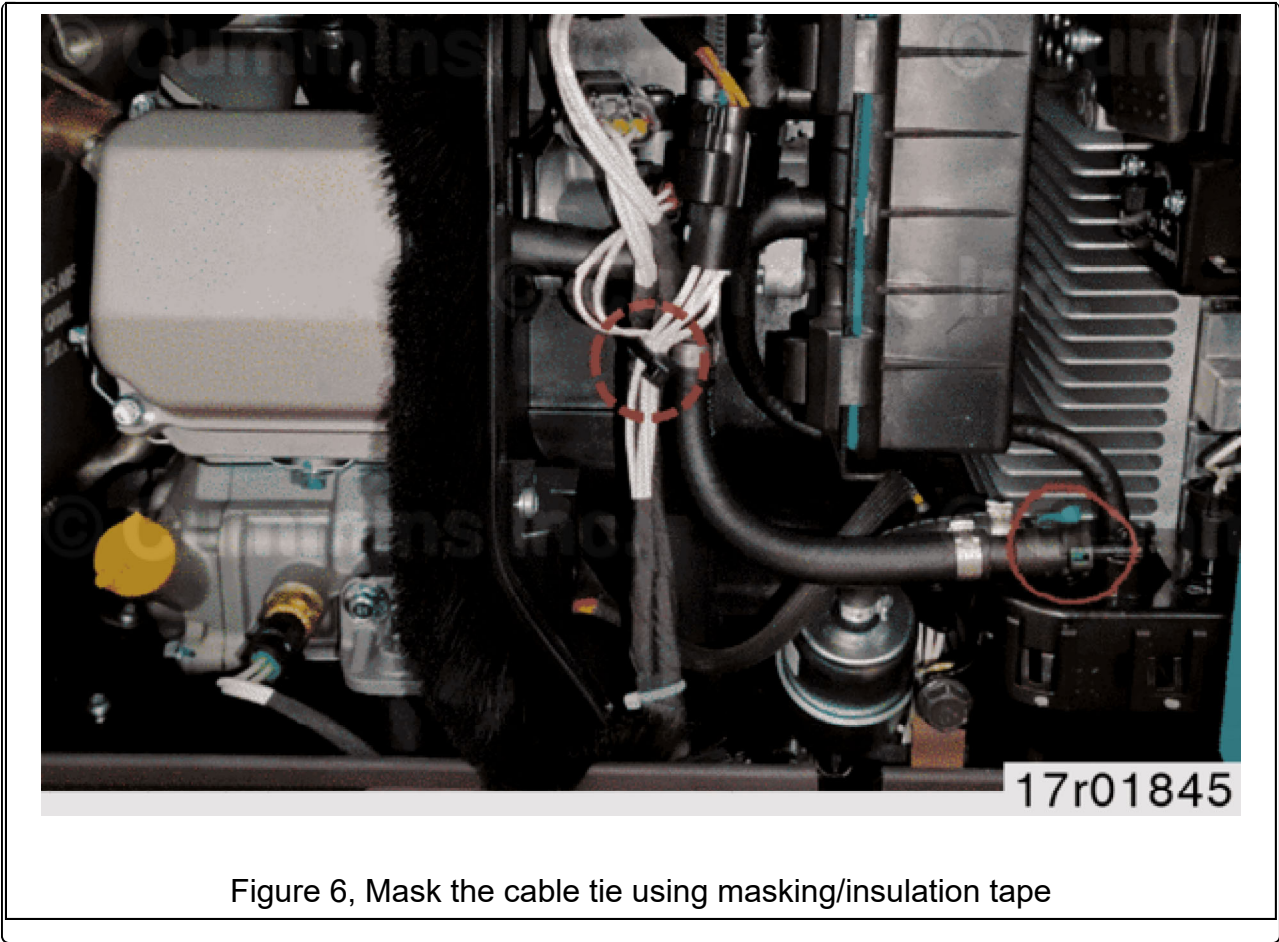


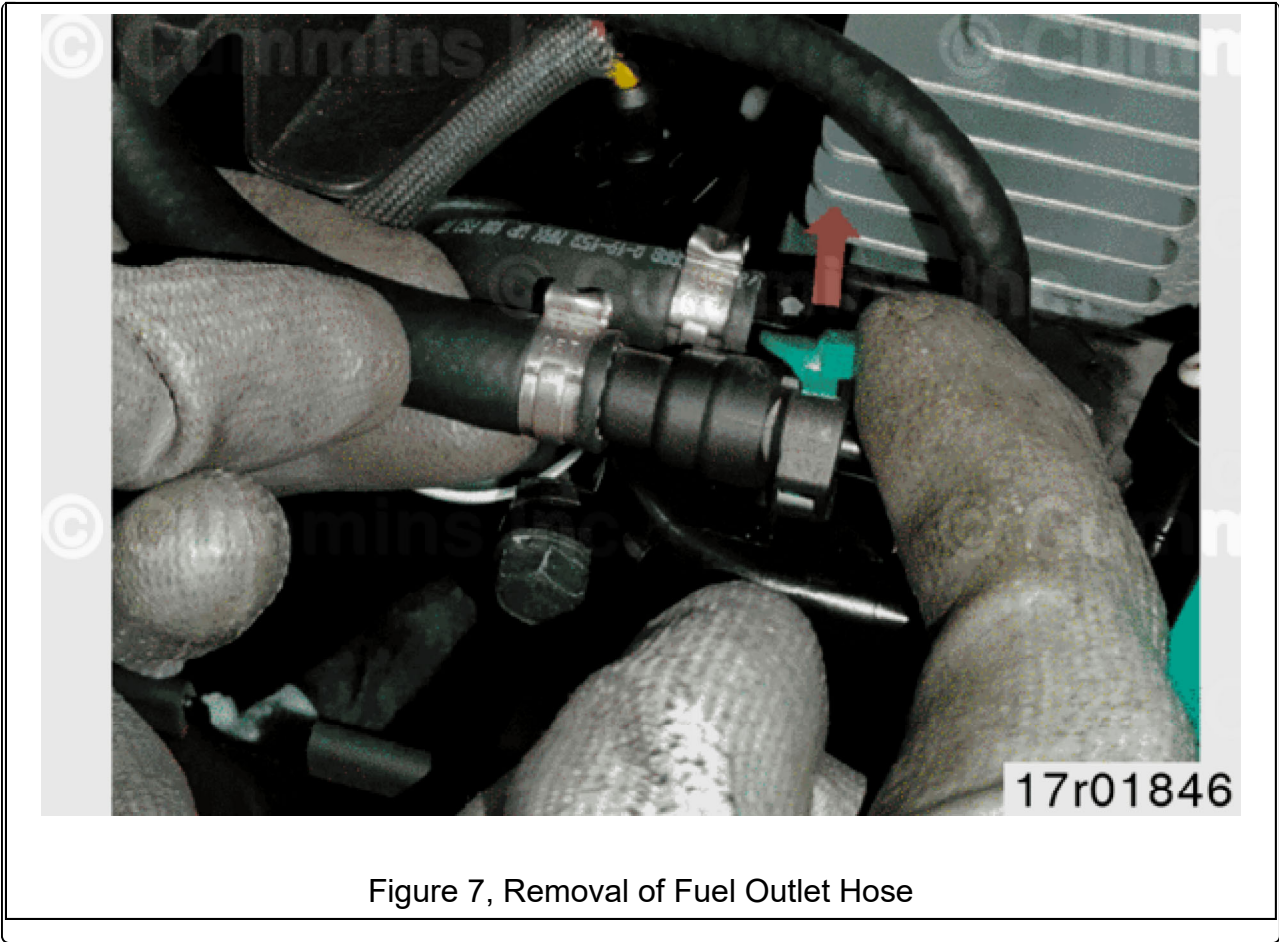
Figure 5, Example of Hose Colored Writing

6. Unplug the fuel outlet hose (PN A057B741) using the quick disconnect feature. Pull the Green Part in the Direction of arrow, pull the green quick link lock upwards to release lock as indicated (in direction of arrow).

Safety consideration:

- a. Use cut resistant hand gloves and mask the cable tie before pulling the hose.
- b. Put a piece of cloth/cushioning material on the base frame to avoid any damage.
- c. After removal of fuel line, make sure that it is completely vertical, see figures below.





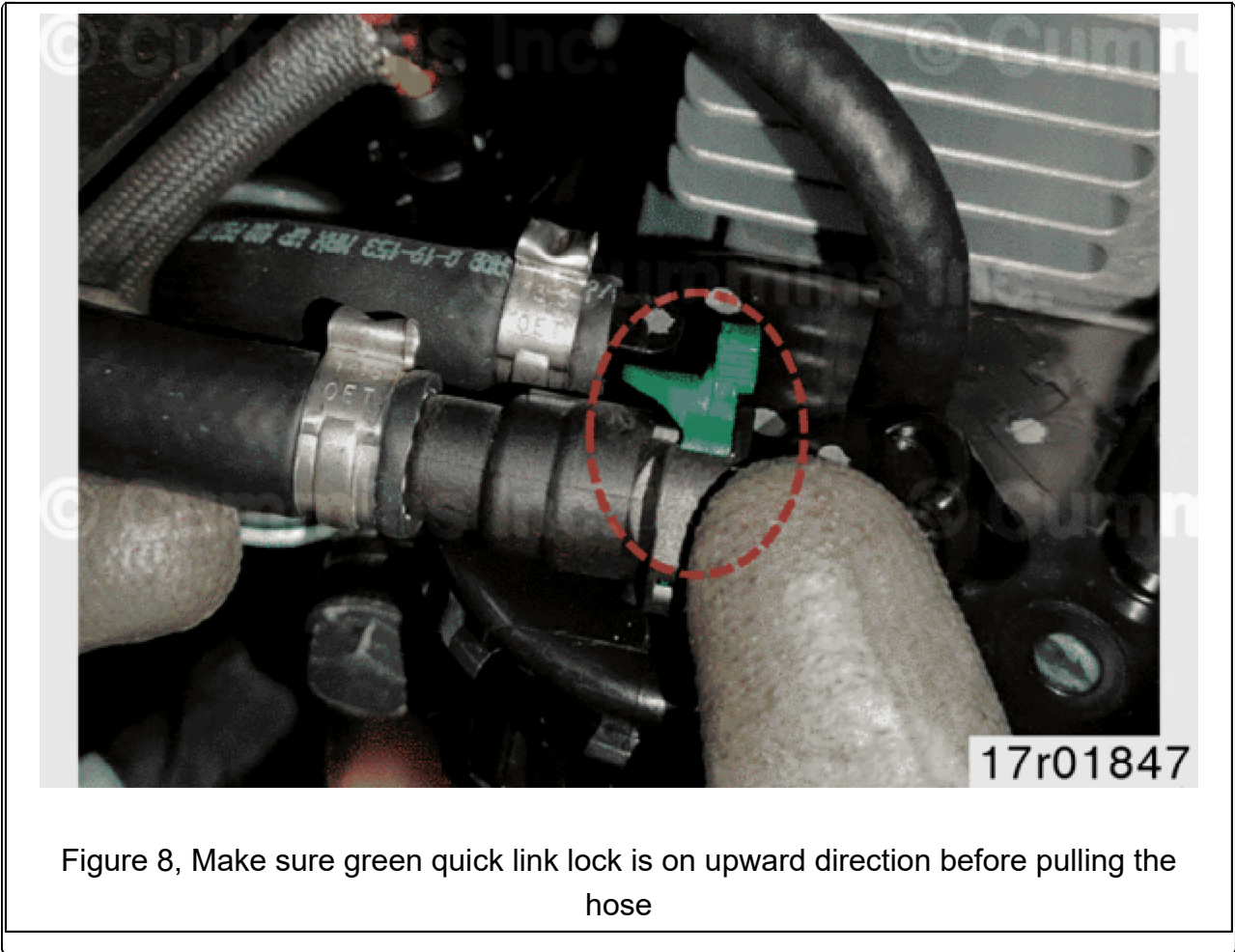


Figure 8, Make sure green quick link lock is on upward direction before pulling the hose

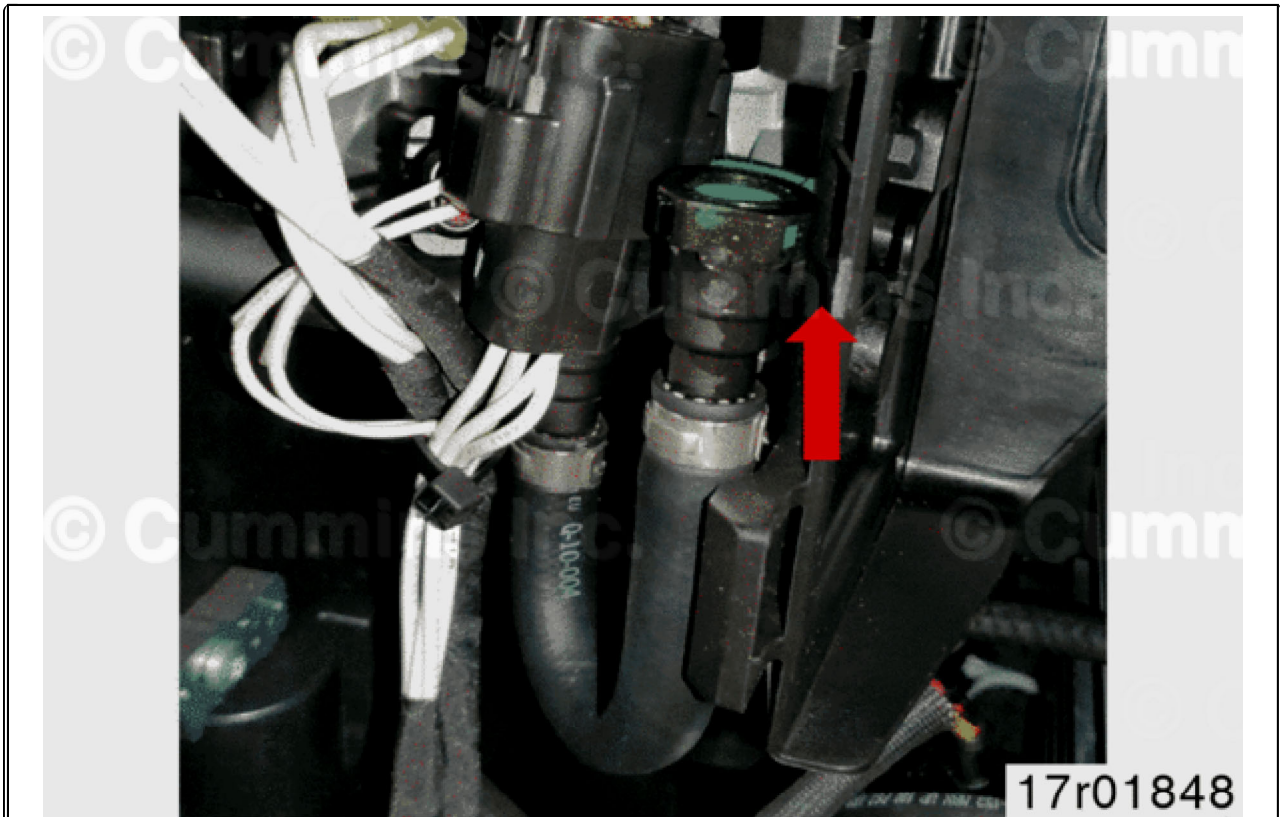


Figure 9, After disconnecting fuel line, ensure that it is completely vertical

7. Pull/disconnect inlet hose (PN A064P026) from IPM module (PN A057B750) by hand

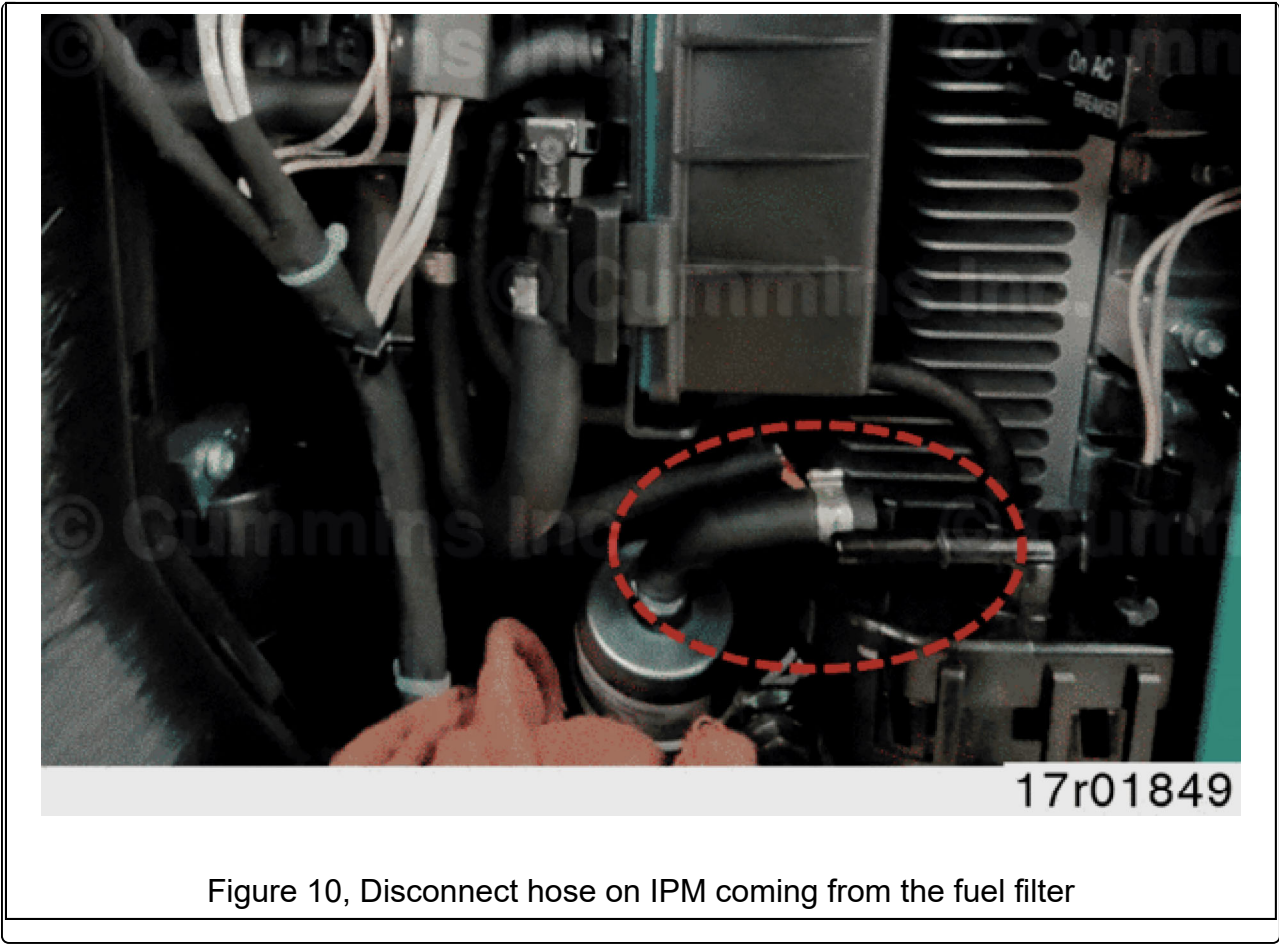




Figure 11, Pull the hose in the direction shown

8. Pull/disconnect inlet hose (PN A064P026) from fuel filter (PN A062A970) by hand (hold filter in one hand and pull hose with other hand). Use new fuel hose and install two 13.3 OET clamps.

Warning: Firmly hold the fuel filter while removing the inlet hose, be careful not to pull on the opposite side hose.

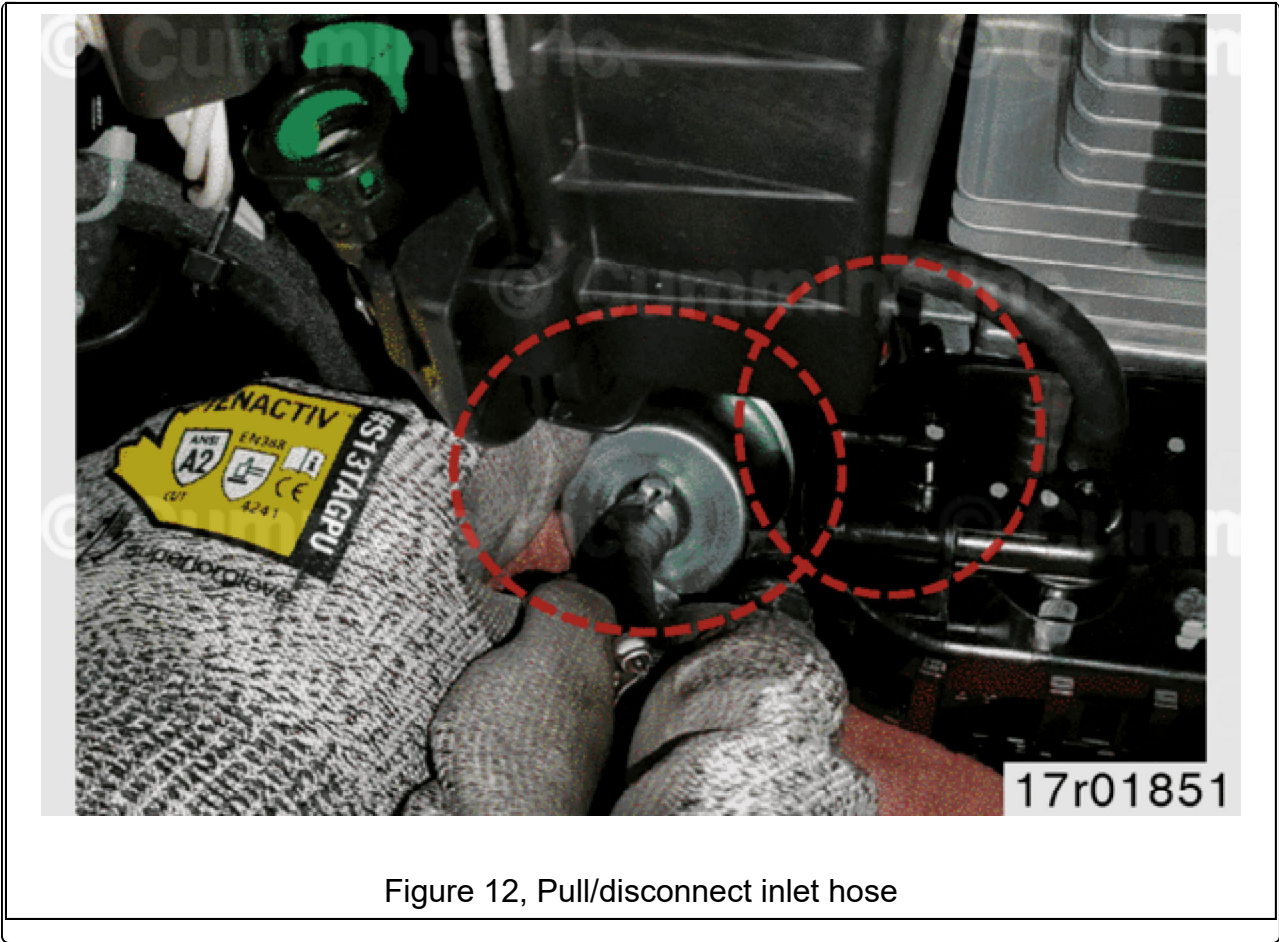
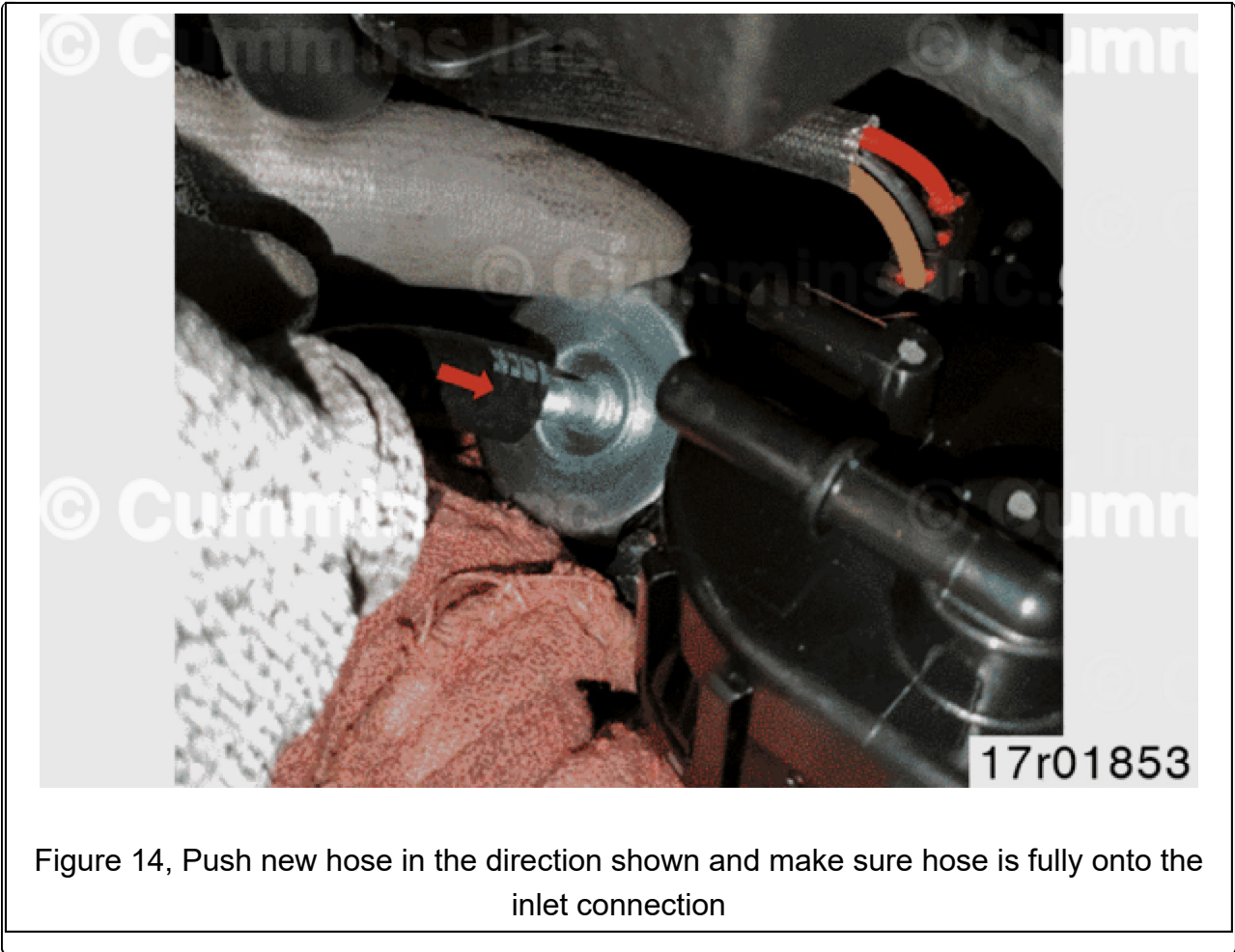


Figure 12, Pull/disconnect inlet hose



Figure 13, Use new fuel hose from the kit and install two 13.3 OET clamps

9. Connect one end of the new hose to fuel filter, clamp, and then connect the other end to IPM, and clamp.



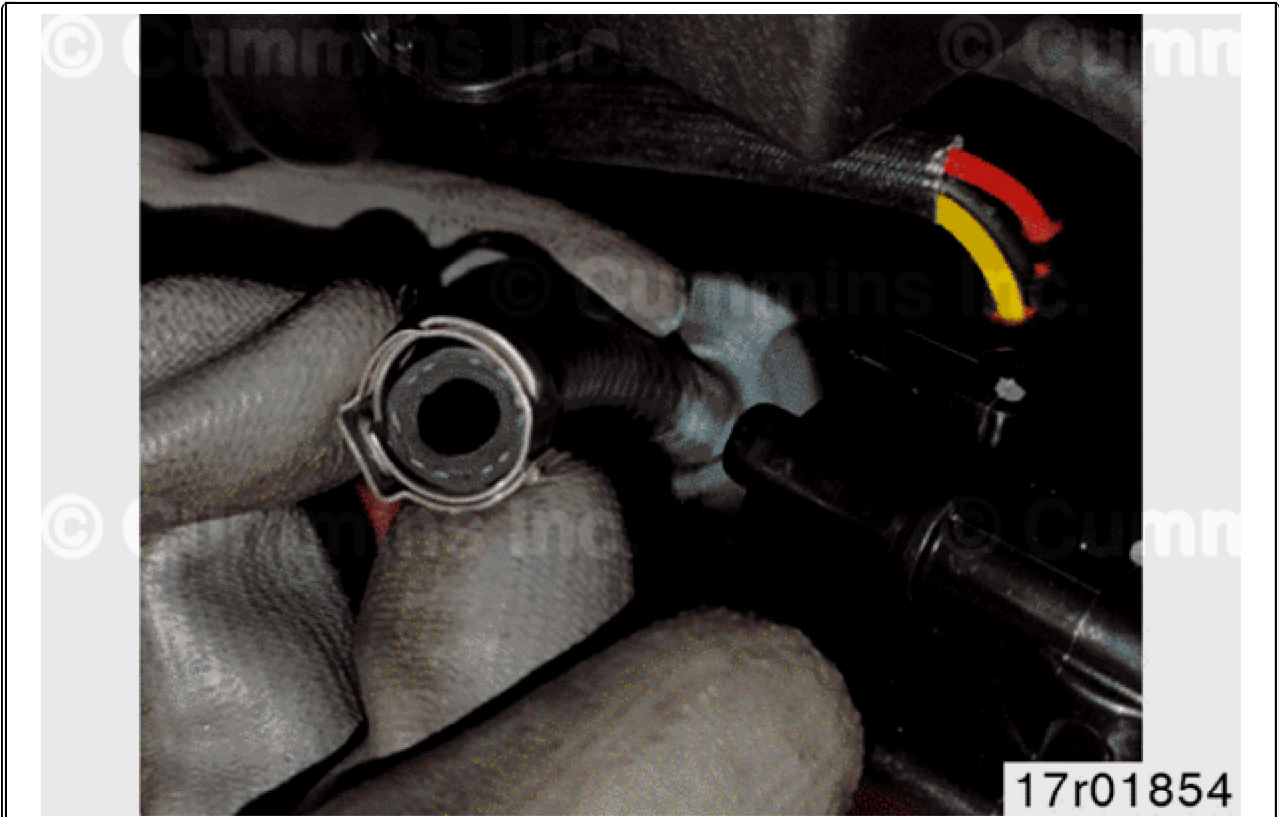
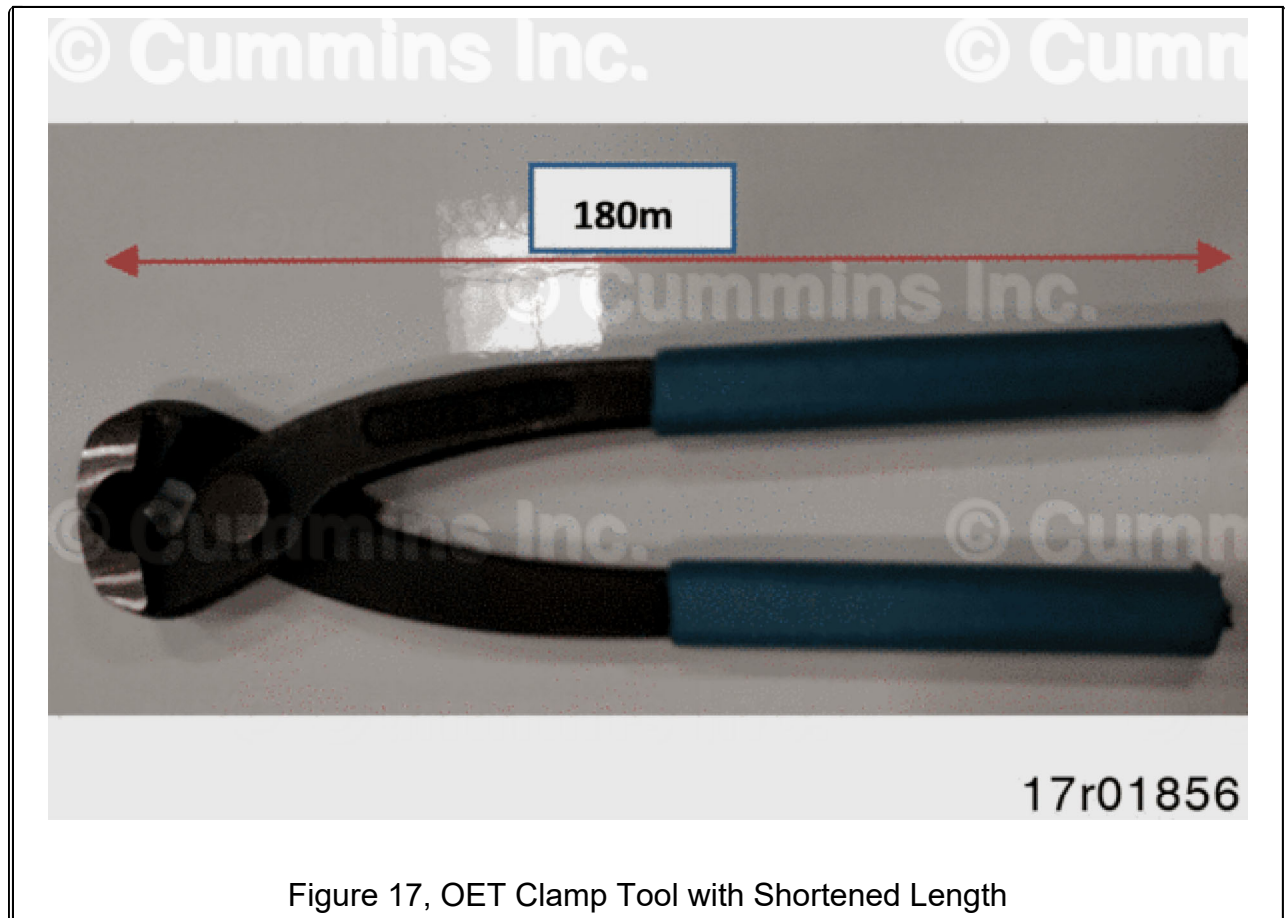


Figure 15, Install new clamps on hose (at filter end and at IPM end) before connecting hose to IPM.

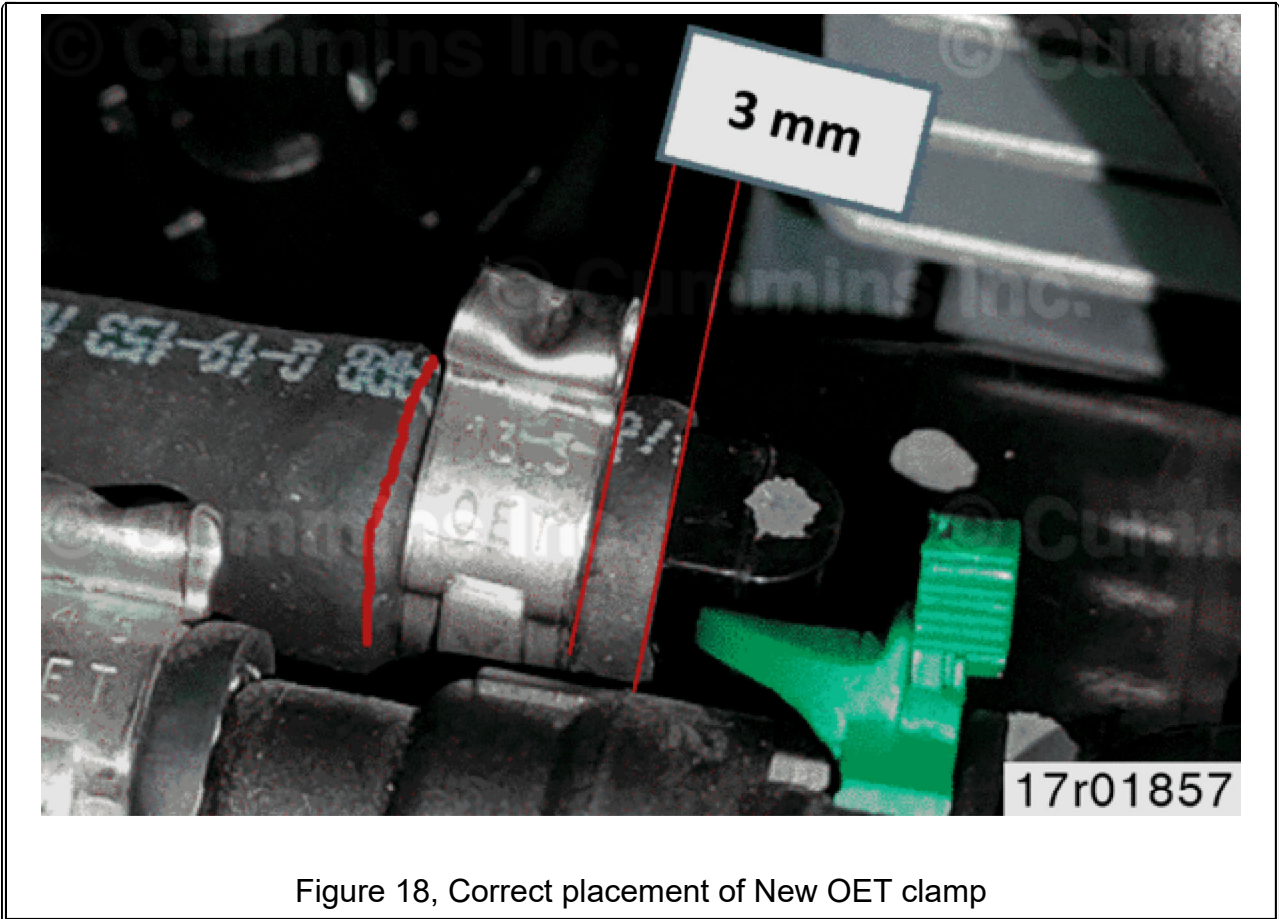


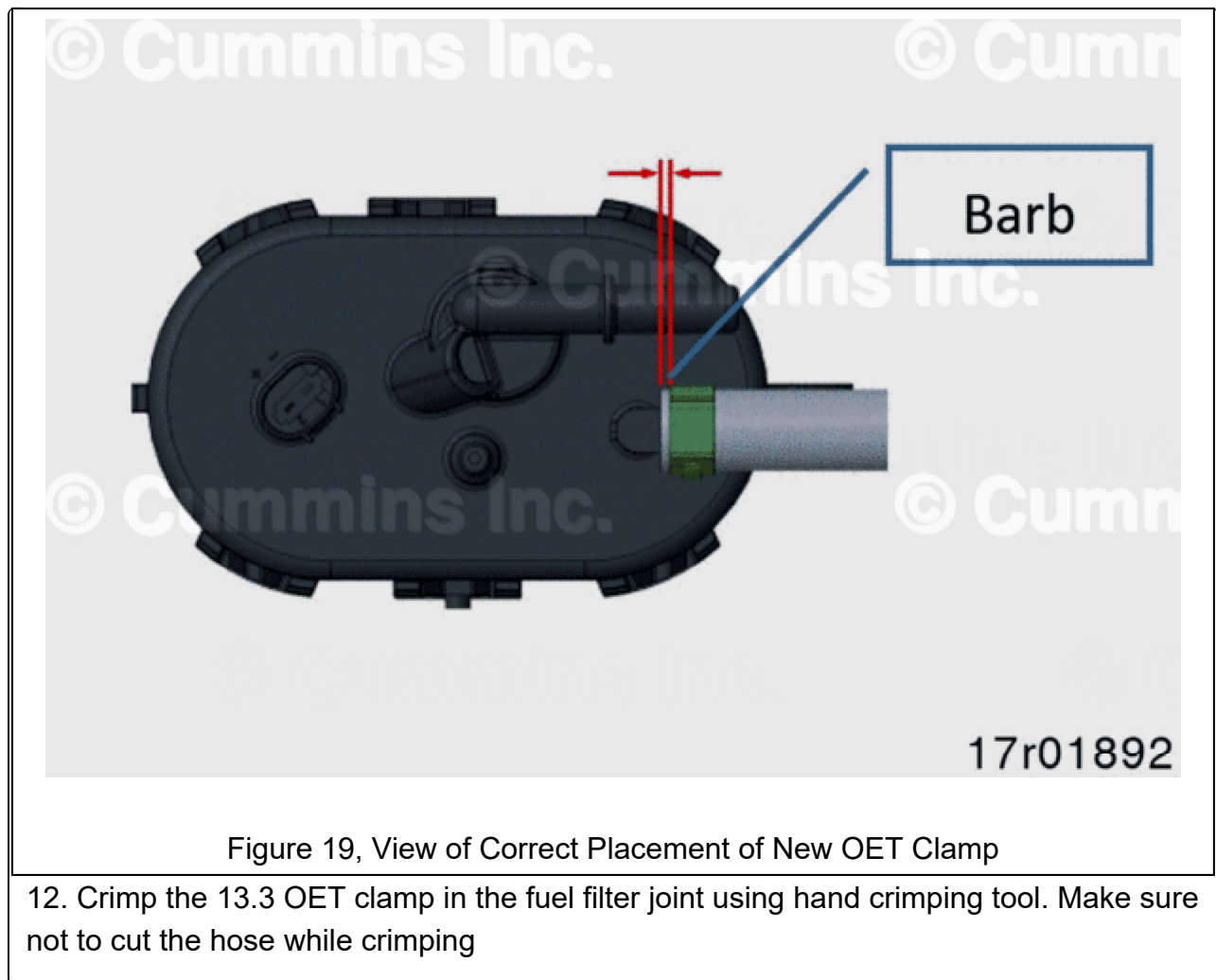
Figure 16, Make sure second clamp is placed before connecting hose to IPM

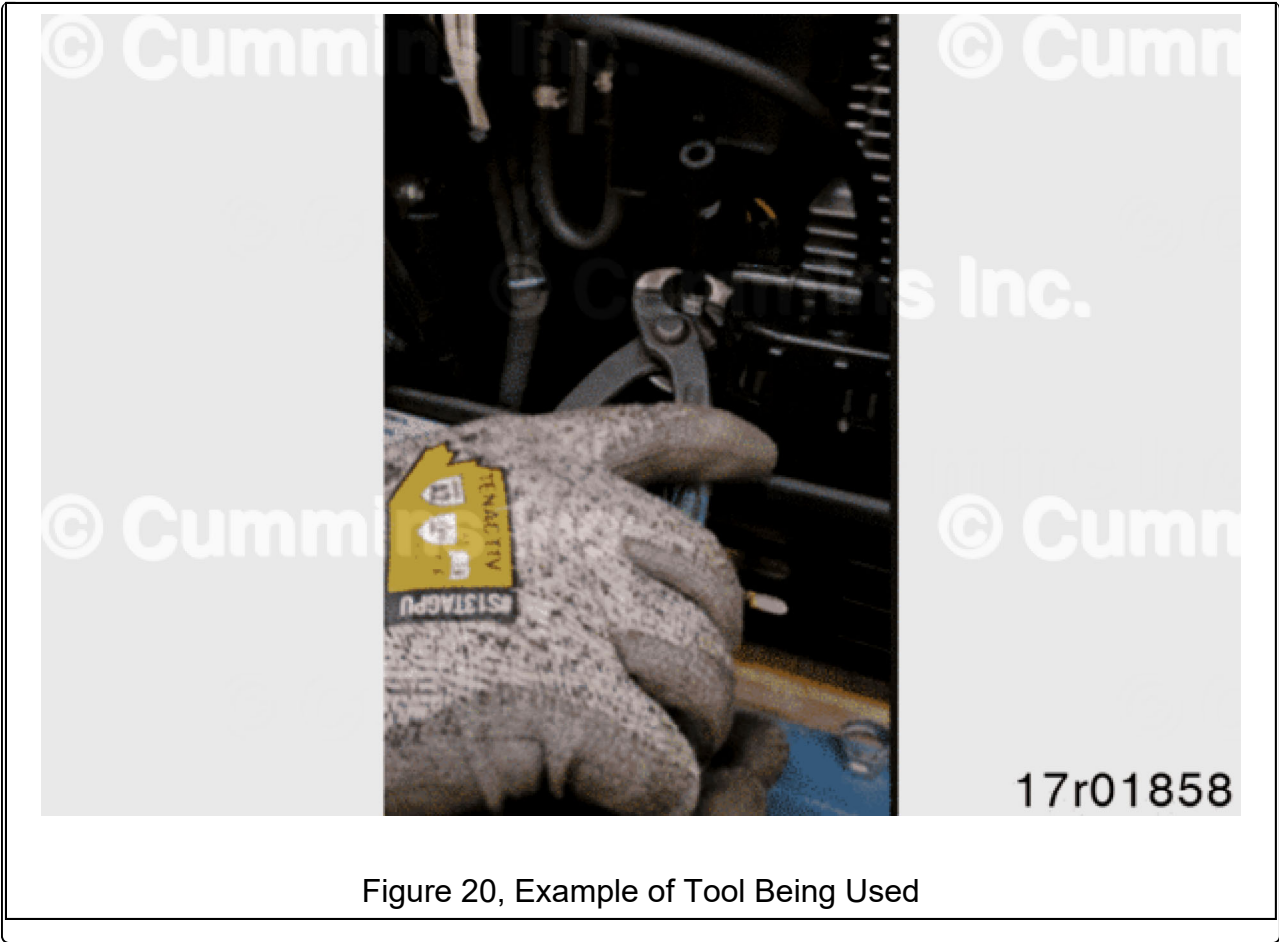
10. Crimp the 13.3 OET clamp in the IPM joint using hand crimping tool. Special tool with length less than 180 mm, special tool length will result in not having to remove the enclosure



11. Clamp position should be close to IPM (less than 3 mm). Visually check that the clamp does not seat on barb.

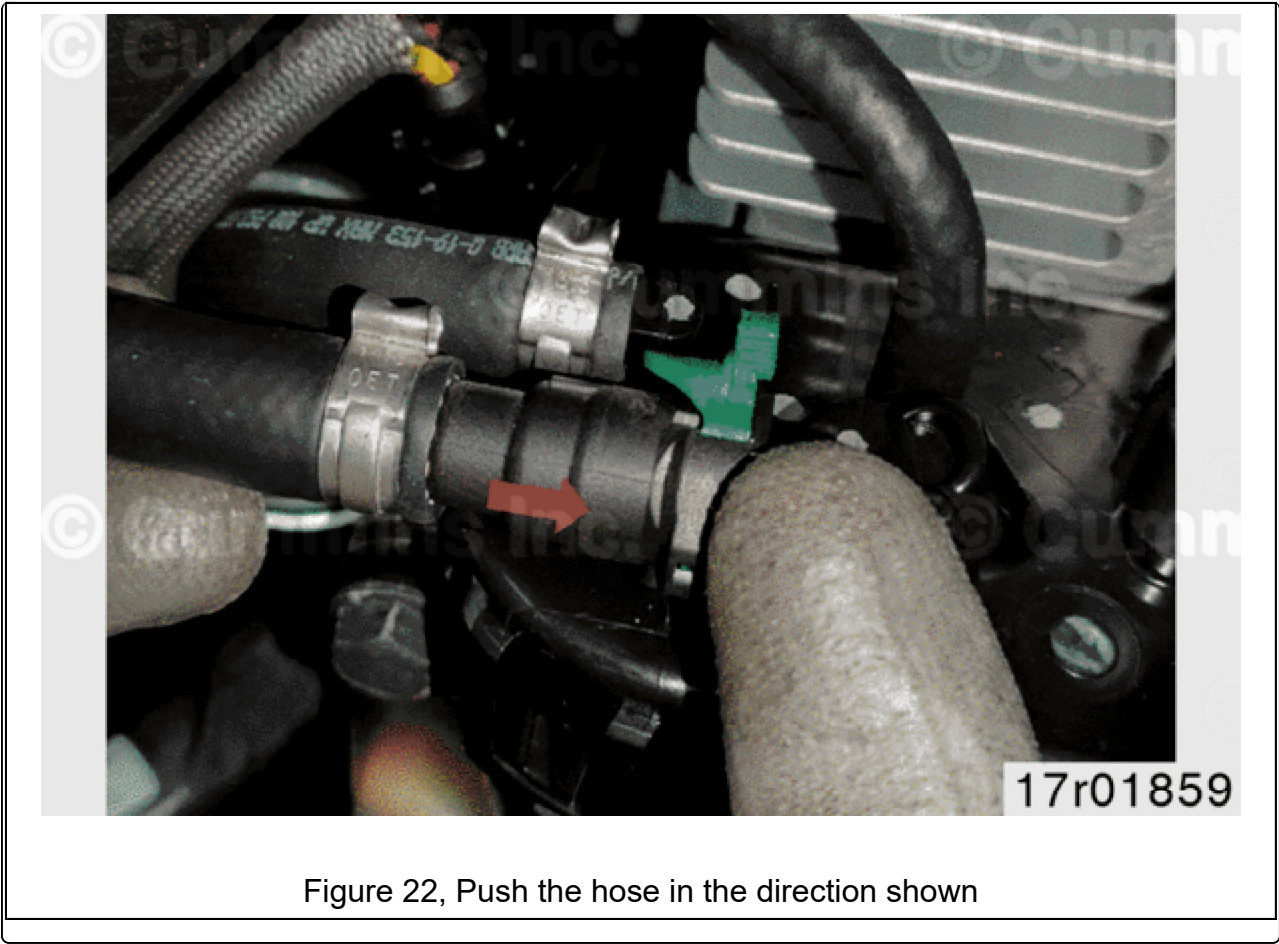








13. Plug the fuel outlet hose (A057B741) using the quick connect feature and lock the connector



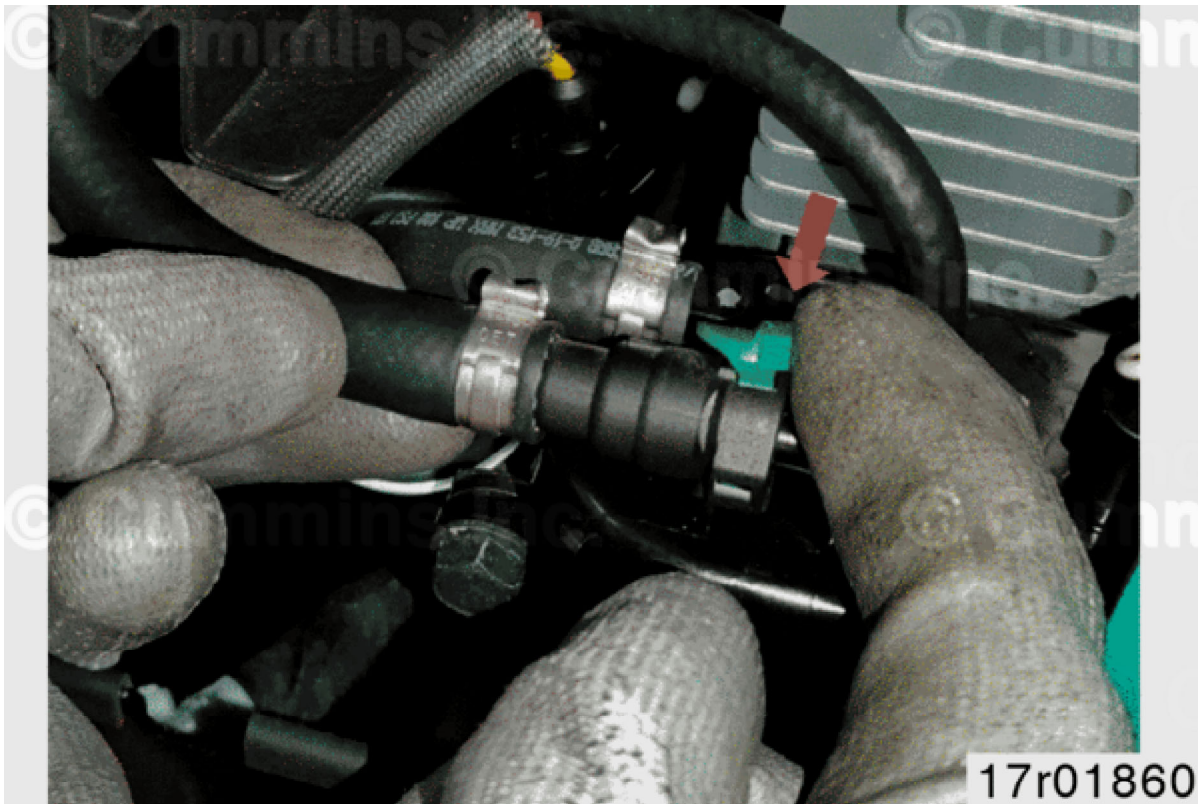


Figure 23, Push the green part in the direction shown to lock

14. Visually make sure all hoses are connected (no unconnected hose).
15. Quality check: Pull on the new hose (pull test) at both joints to make sure hose is clamped properly at filter and IPM side.
16. Reinstall air filter and air cleaner housing. Make sure tabs are locked properly

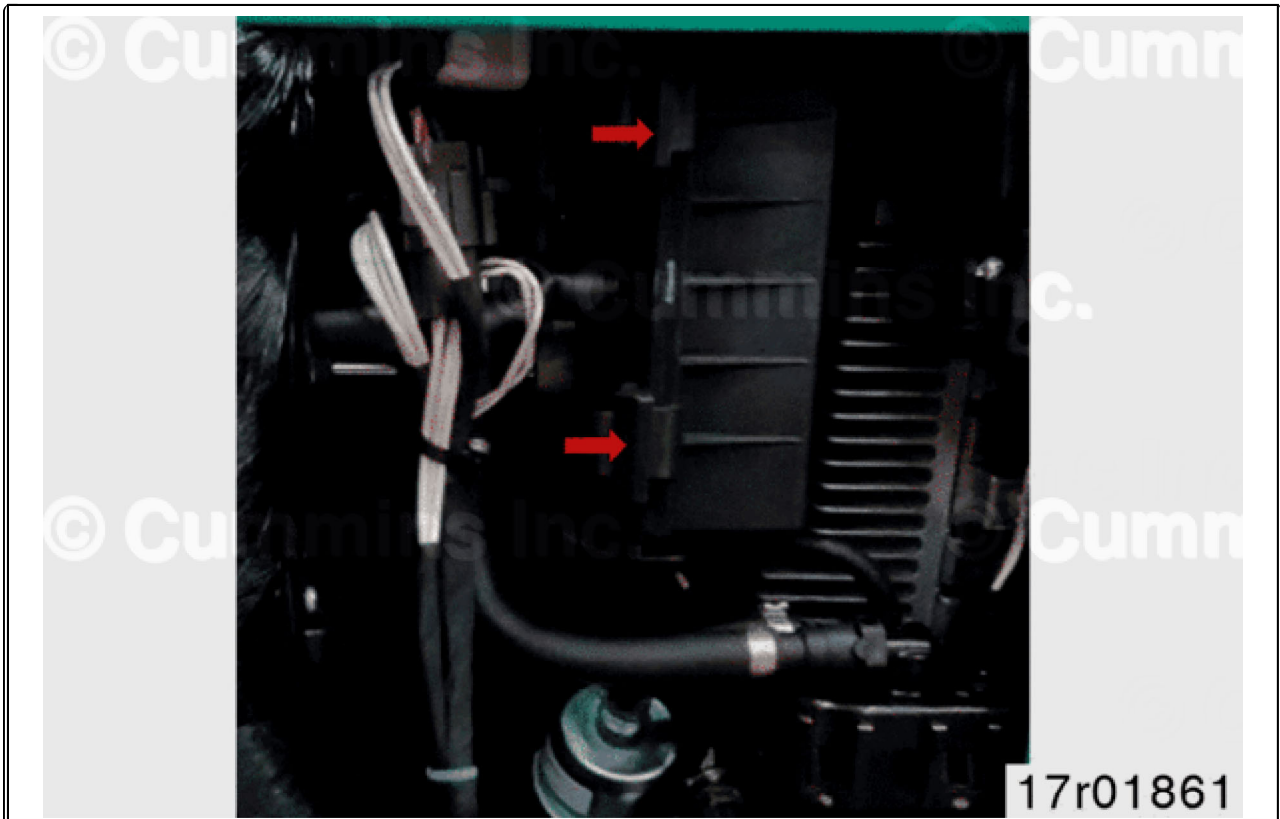


Figure 24, Air Filter Locking Tabs

17. Reinstall the door enclosure (PN A062F793) and close it by twisting the knob.



Figure 25, Generator Set After Fix

Table 1, Service Parts

Part Description	Part Number
Kit, Hose with Clamps	A073U493

Service parts are available. See Table 1 for part numbers.

Production Status

Implemented for production. See Table 2.

Refer to document **TSB230067-A Safety Campaign #5215 HGLAA Fuel Hose Leak Affected Generator Set Serial Numbers** for a table of affected units.

Table 2, Production Information

Product	GSN First	Build Date ¹	Plant
HGLAA	B230206933		Fridley

¹Generator Set/Engine build date can be found on the Generator Set/engine dataplate.

Campaign Filing Instructions:

Fail Code: OFHFLF

Account Code: 65

Authorization Code: 5215

Applicable SRT's:

00-901: 0.4 hours- Administrative time (shop)

00-1AE: 1.0 hours - GENERATOR SET, GENSET COMPLETE R&I

06-101: 0.1 hours - FUEL HOSE/LINE/PIPE (EA) - R&I

17-3AA: 0.2 hours - ENCLOSURE R&I

Document History

Date	Details
2023-3-24	Module Created
2023-4-21	Non-Product Problem Solving (PPS)

Last Modified: 27-Apr-2023
