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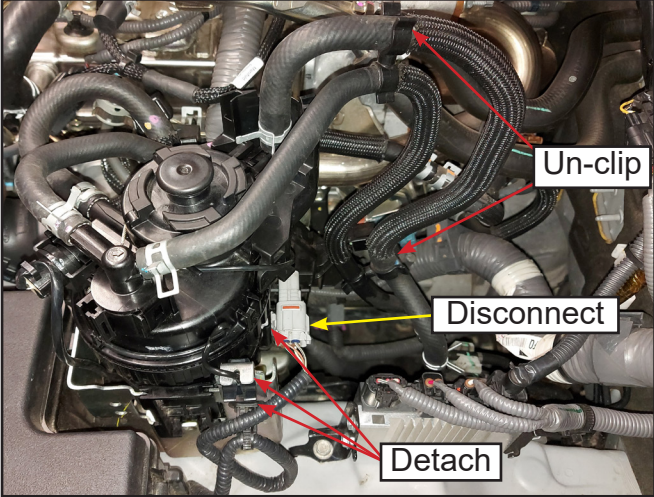
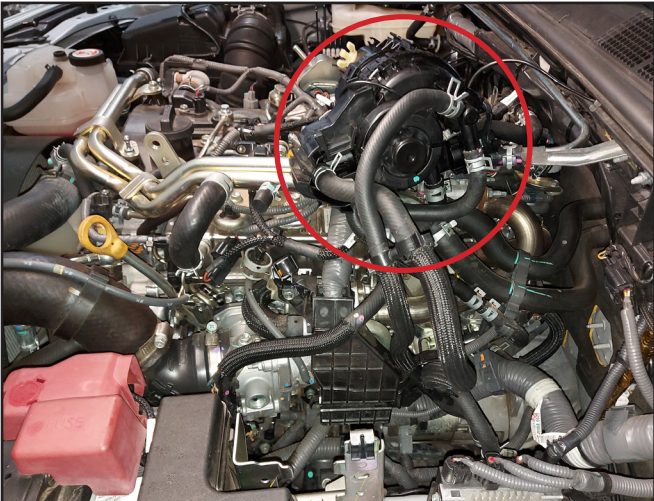
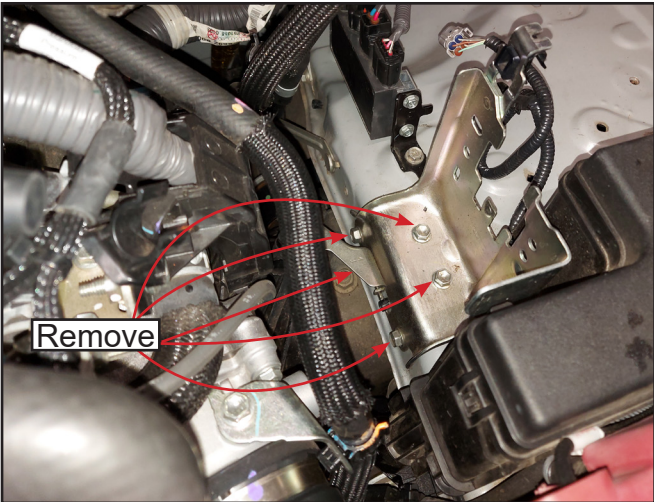
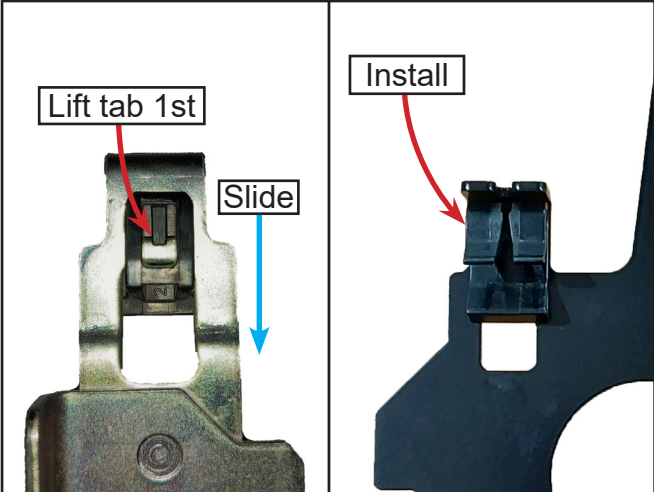
SFFGUN125

**Toyota Hi-Lux GUN 125 1GD-FTV 2015 to Current &
48V Hybrid 2024 - On
Fuel Pre-Filter**



Parts List

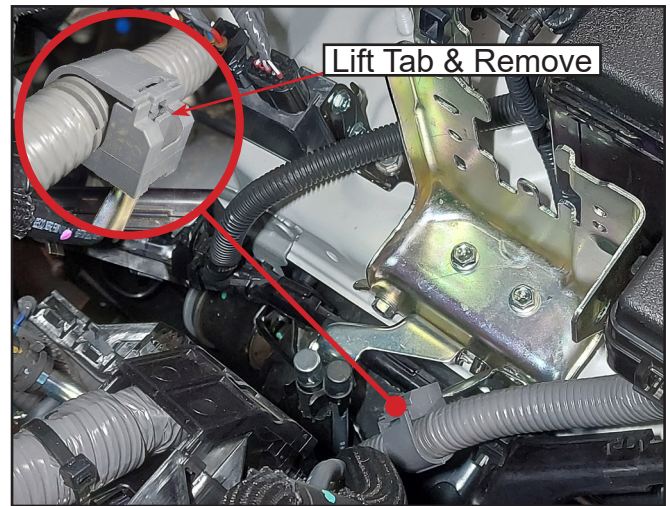
Item	Part No.	Description	Qty.
1.	000-075-150	FUEL PRE FILTER - 150 - ASSEMBLY	1
2.	322-080-000	HOSE - FUEL - HILUX - KIT	1
3.	322-083-100	LOOM - SENSOR - WATER - HILUX - 1GD-FTV - 150	1
4.	322-079-000	BRACKET - STEEL - FUEL PRE FILTER - MAIN	1
5.	322-079-100	BRACKET - STEEL - FUEL PRE FILTER - SUPPORT	1
6.	057-010-030	BOLT - HEX - M10 X 1.5 X 30MM	2
7.	000-309	WASHER - SPRING - M10	2
8.	000-303	WASHER - FLAT - M10 X 2.0 X 20MM	2
9.	000-987-290	CABLE TIE 280MM	5
10.	000-916-100	CLAMP - 15MM EFI	2
11.	000-931	CLAMP - HOSE SUPPORT - 15X20XM8	1
12.	000-302-200	WASHER - FLAT - 8MM	1
13.	000-205	NUT- NYLOC - M8X1.25	1

1.	<p>Remove factory fuel filter from bracket.</p> <ul style="list-style-type: none"> - Detach wire retainer from filter bracket - Disconnect water sensor connector - Detach water sensor harness from the bracket - Un-clip fuel hoses from each other (inlet + return hoses, the clips can remain on the return hose) 	
2.	<p>Once you have removed the filter from the bracket, you can gently move the filter housing up and out of the way.</p> <p>Take care to avoid stretching or kinking the fuel hoses.</p>	
3.	<p>- Non-Hybrid Models -</p> <p>48V hybrid models continue on pg. 4 from step 5</p> <p>Remove OE filter bracket.</p> <ul style="list-style-type: none"> - Retain the five OE bolts securing the OE fuel filter bracket <p>Note: the bolt securing the breather hose bracket is not easily visible (once unbolted, move breathers and bracket aside)</p>	
4.	<p>Remove the retaining clip from the OE filter bracket (lift small tab and push clip towards base of bracket)</p> <p>Install the retaining clip to the Safari bracket in position as shown.</p> <p>Ensure plastic retaining clip is secure.</p> <p>Non-hybrid models continue on pg. 5 from step 10</p>	

- 48V Hybrid Models -

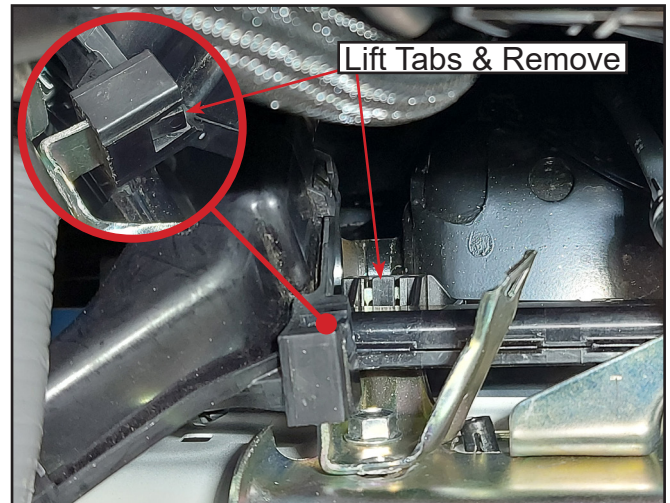
5.

Remove loom from bracket as shown.



6.

Remove harness from bracket as shown.

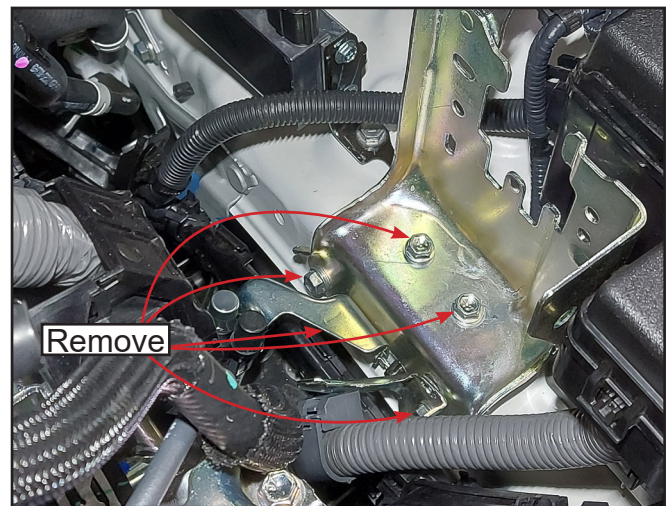


7.

Remove OE filter bracket.

- **Retain the five OE bolts** securing the OE filter bracket

- Note: the bolt securing the breather hose bracket is not easily visible (once unbolted, move breathers and bracket aside)

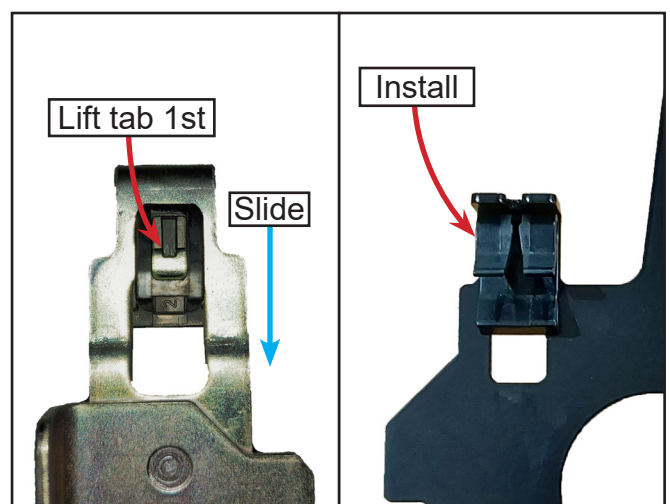


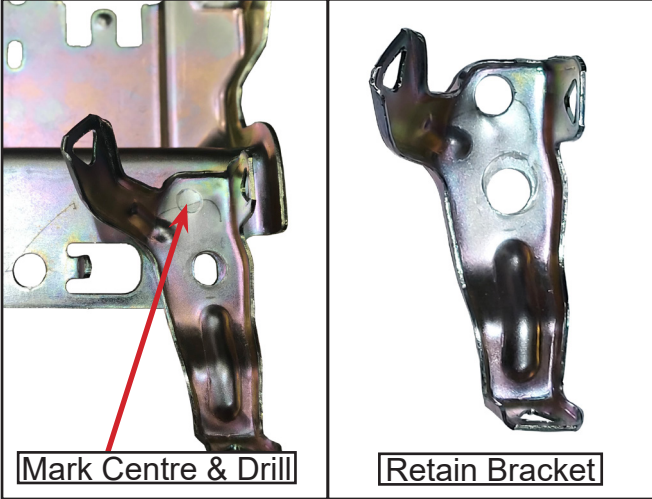
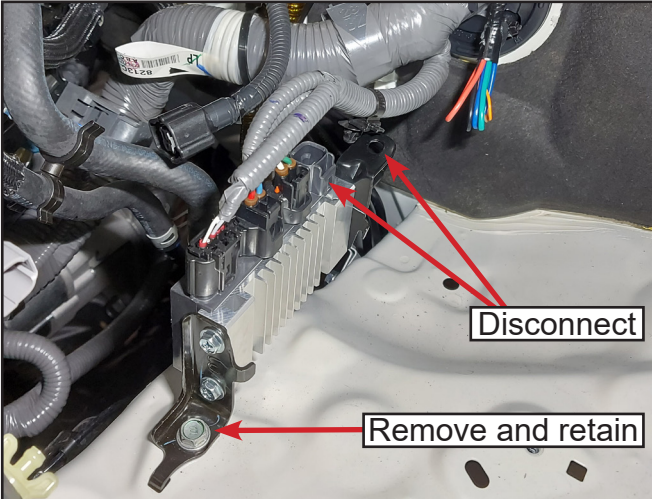
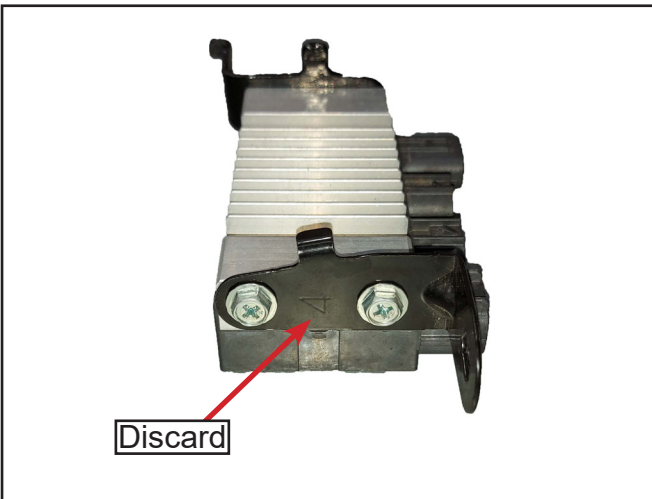
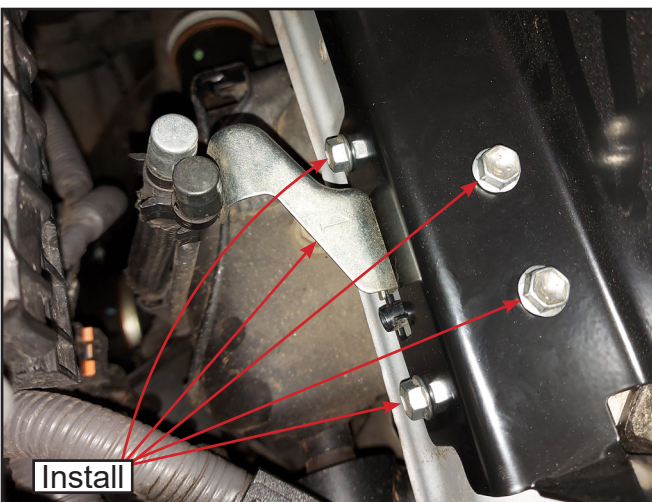
8.

Remove the retaining clip from the bracket (lift small tab and push clip towards base of bracket)

Install the retaining clip to the Safari bracket in position as shown.

Ensure plastic retaining clip is secure.

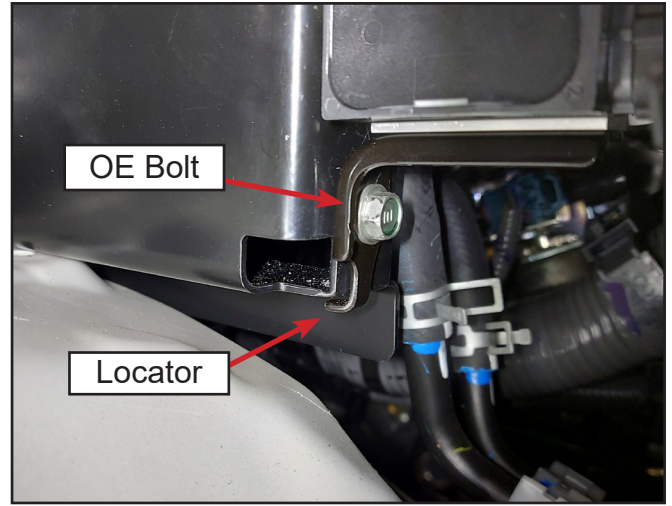


9.	<p>Mark centre of the spot weld and drill out using an 8mm drill bit.</p> <p>Remove & retain the harness mounting bracket. Discard OE filter bracket.</p> <p>Note: the harness bracket may need to be gently pryed away from the OE filter bracket after drilling to remove.</p>	
10.	<p>- 48V Hybrid & Non-Hybrid Models -</p> <ul style="list-style-type: none"> - Disconnect the connector closest to firewall and the harness clip at rear of the module - Remove the mounting bolt securing it to vehicle body and retain bolt 	
11.	<p>Remove and discard bracket marked '4' from the module.</p> <p>48V hybrid models continue on pg. 6 from step 14</p>	
12.	<p>- Non-Hybrid Models -</p> <p>Install the Safari pre-filter bracket to the OE bracket position, using the 5 OE bolts retained from step #3.</p> <p>Make sure breather bracket orientation is correct, as shown in picture.</p>	

13.

Install the module to the rear side of the Safari bracket, using retained OE bolt as shown.

Non-hybrid models continue on **pg. 7** from **step 18**



14.

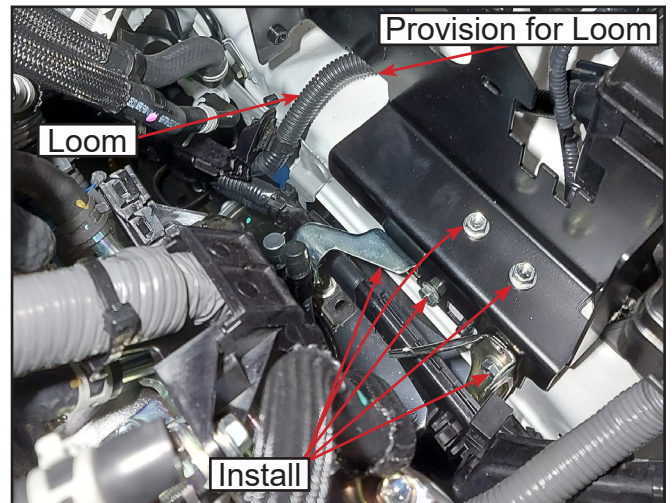
- 48V Hybrid Models -

Install the Safari pre-filter bracket in OE bracket position, using the **5 OE bolts** retained from **step #3**. Position the wiring loom under provision of pre-filter bracket.

Install harness bracket & breather hose bracket in original positions.

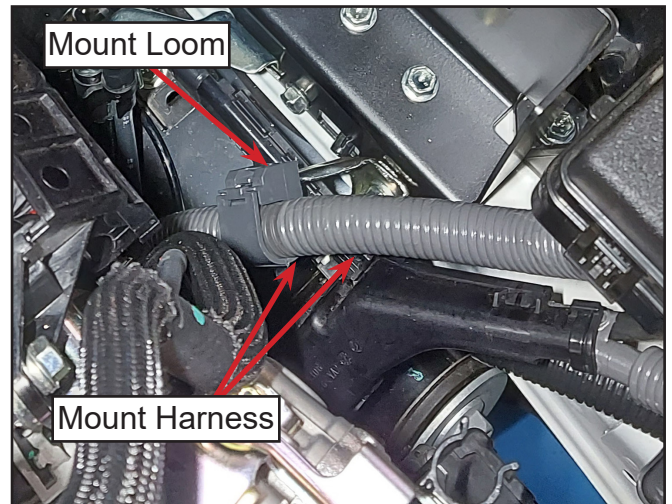
Ensure the breather hose & harness bracket orientation is correct as shown.

- Final tighten all bolts



15.

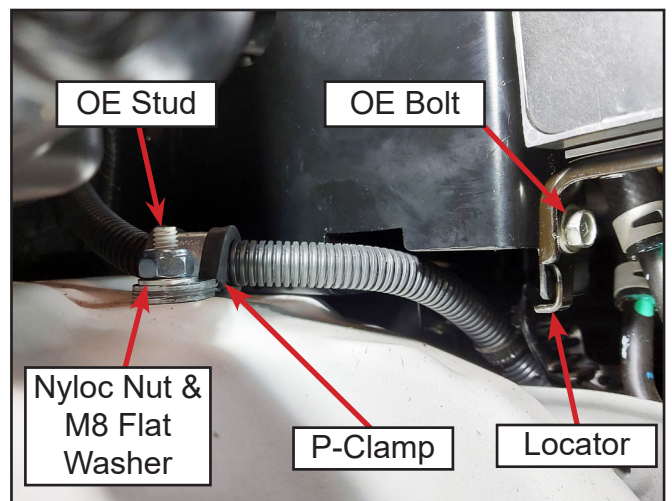
Mount wiring harness & wiring loom to OE harness bracket.



16.

Install the module to the rear side of the Safari bracket, using retained OE bolt as shown.

Secure loom by installing 1x **15x20xM8 P-Clamp**, **M8 flat washer** and **M8 nyloc nut** to OE stud as shown.



17.

Ensure the loom is secured and positioned centrally in Safari filter bracket as shown.



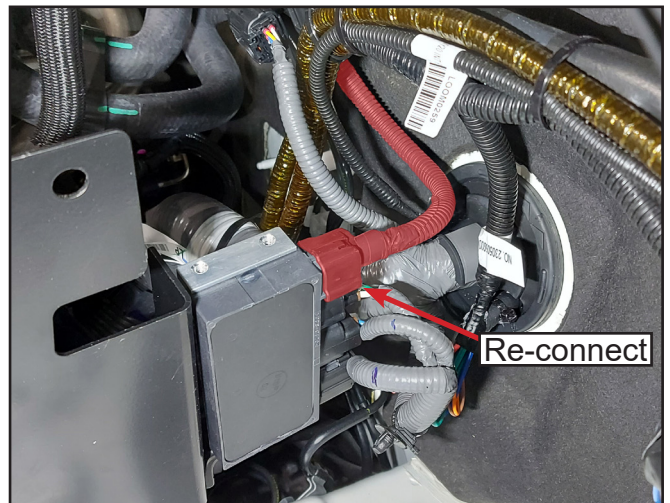
18.

- 48V Hybrid & Non-Hybrid Models -

Reconnect connector to the module.

Route the loom behind OE wiring harness as shown.

Ensure there are no severe twists or kinks in the wires.



19.

Install water sensor patch loom.

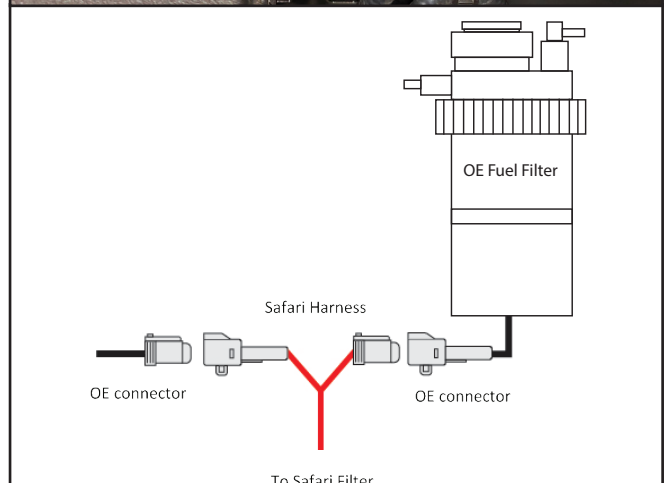
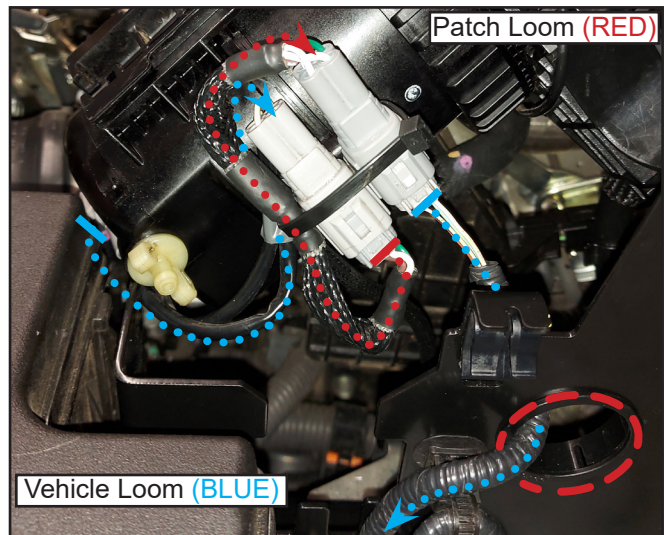
- Feed factory sensor loom through hole provision in the pre-filter bracket

- Connect the patch loom to the OE water sensor loom (vehicle loom)

- Connect patch loom connector to the OE water sensor connector (filter housing)

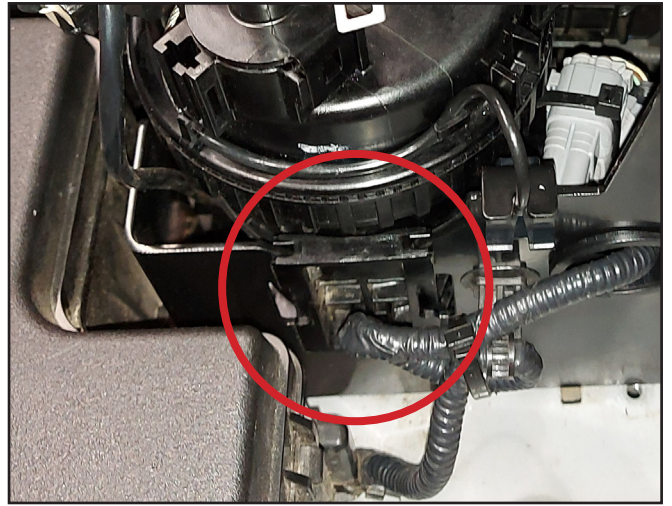
- Install patch loom to the factory position on the filter housing

- Secure factory connector under patch loom connector and to filter housing with supplied cable tie



20.

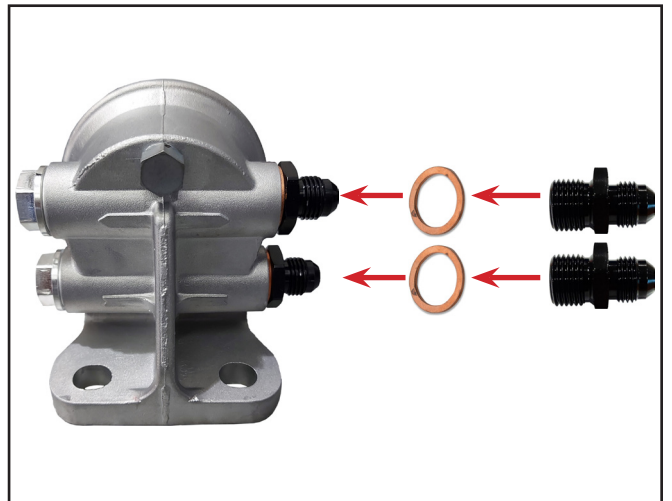
Install the OE filter assembly to the Safari pre-filter bracket.



21.

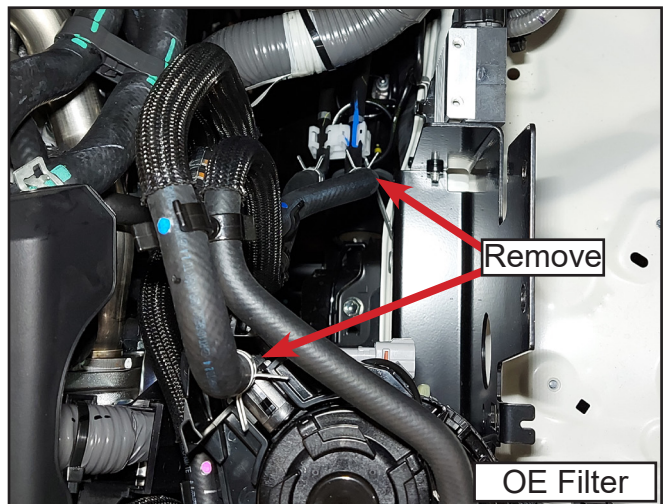
Install AN hose fittings to filter housing as shown.

- M16 to -6 male straight adaptor x 2
- M16 copper washer x 2



22.

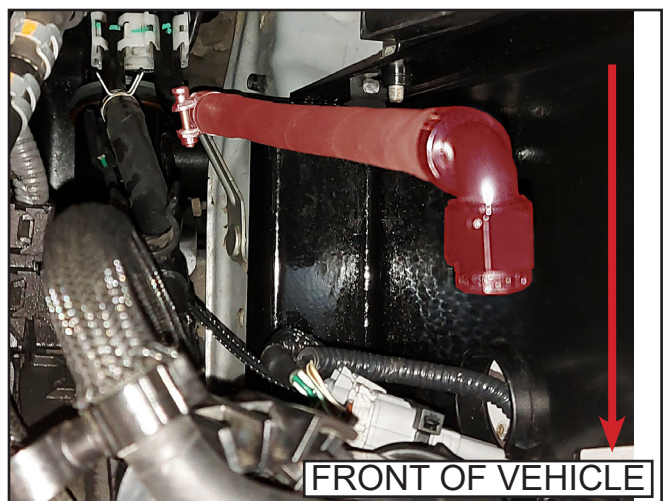
Remove fuel hose from fuel filter inlet of OE filter & vehicle fuel outlet pipe, closest to inner guard.



23.

Install pre-filter inlet fuel hose, with **90 degree AN fitting**, to vehicle fuel outlet pipe.

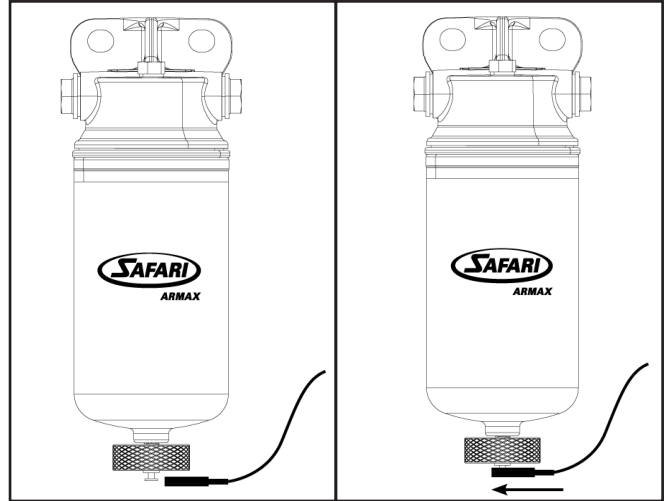
- Install with **AN fitting facing toward front of vehicle**
- Use **15MM EFI clamp (item 11)** to secure hose



24.

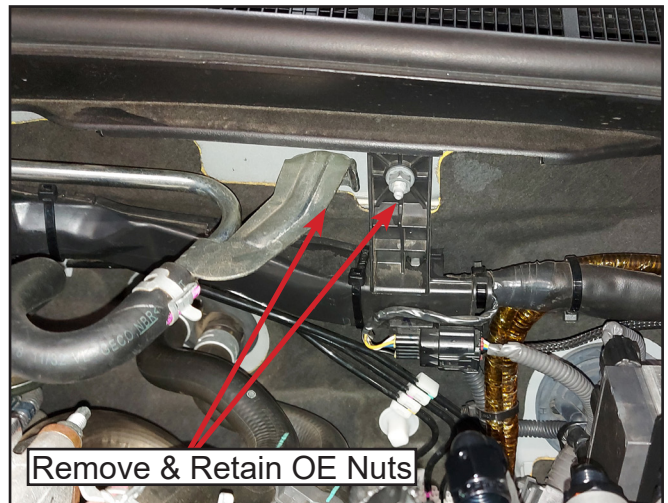
Install pre-filter to filter housing and connect the water sensor from patch loom to the new pre-filter assembly.

Sit pre-filter assembly inside pre-filter bracket.



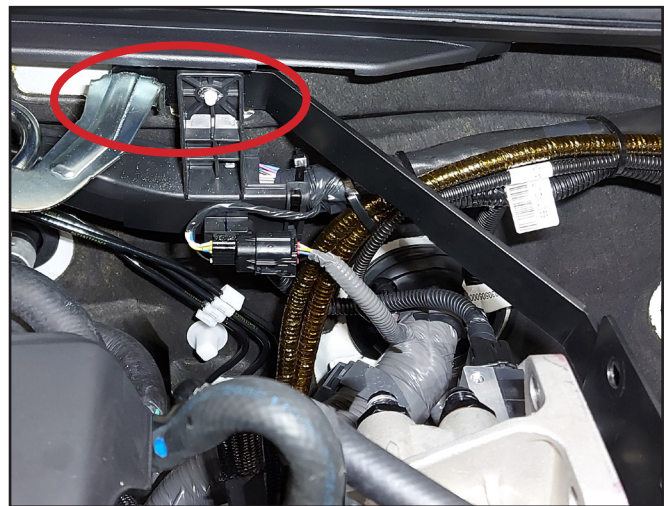
25.

Remove and retain nuts from the OE loom support bracket and vacuum hose bracket.



26.

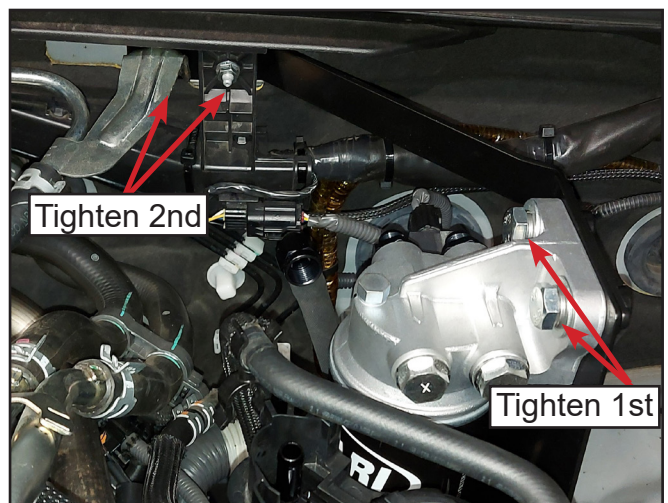
Install Safari filter support bracket to the firewall studs, beneath the loom support bracket and vacuum line bracket.



27.

Install pre-filter assembly to the pre-filter bracket using two **M10x1.5x30** (item 7), **M10 split washers** (item 8) and **M10x25 flat washers** (item 9).

Then use retained OE nuts to tighten the support bracket.

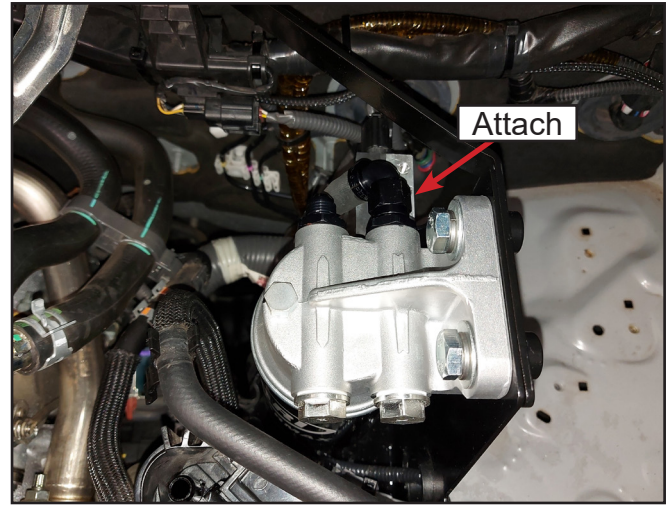


28.

Connect fuel inlet hose with **90 degree fitting** to **inlet port of the pre-filter**, as shown in the photo.

Ensure the fuel hose is not resting on or contacting other components.

(Alternatively you can start the thread of inlet hose before mounting the filter, do not tighten until filter is in position)

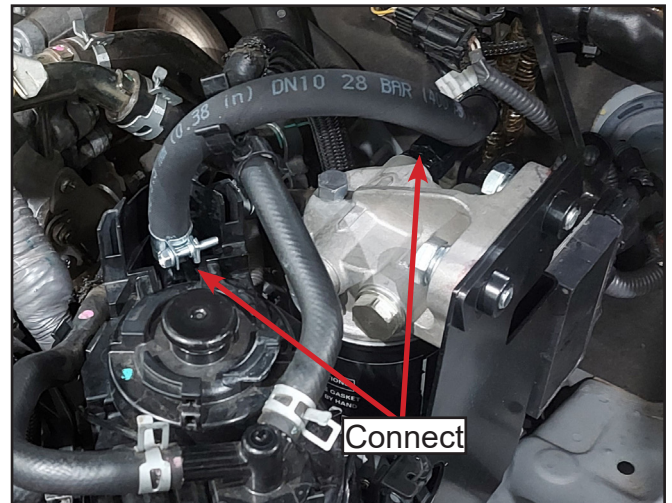


29.

Connect fuel outlet hose with **150 degree fitting** to **outlet port of pre-filter**.

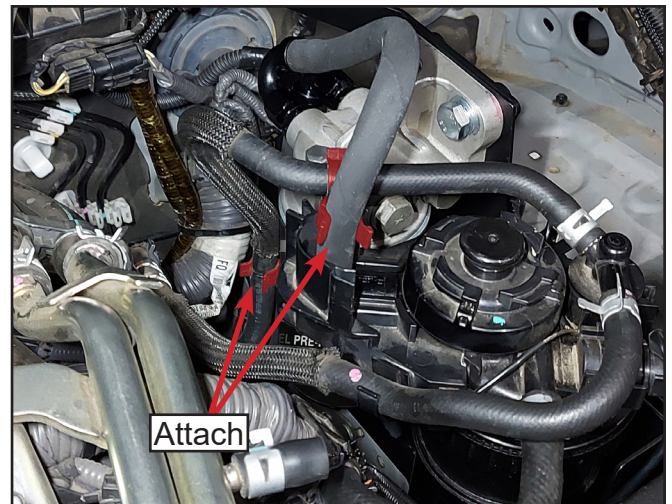
Then connect to **inlet of OE fuel filter**.

- Use **15mm EFI clamp (item 11)** to secure hose to inlet



30.

Use the factory hose clips to secure fuel hoses to each other.

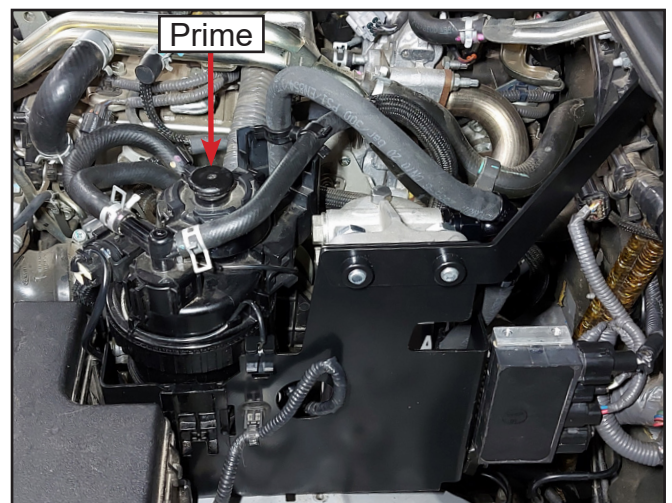


31.

Prime the fuel system, clean any diesel spillage, start the vehicle and confirm no warning lights are illuminated after start up.

Test drive and re-check for leaks.

Installation is now complete.



32.

PLACE USER MANUAL ON PASSENGER SEAT OF VEHICLE OR GIVE DIRECTLY TO THE VEHICLE OWNER.



USER MANUAL



FUEL FILTER

①

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