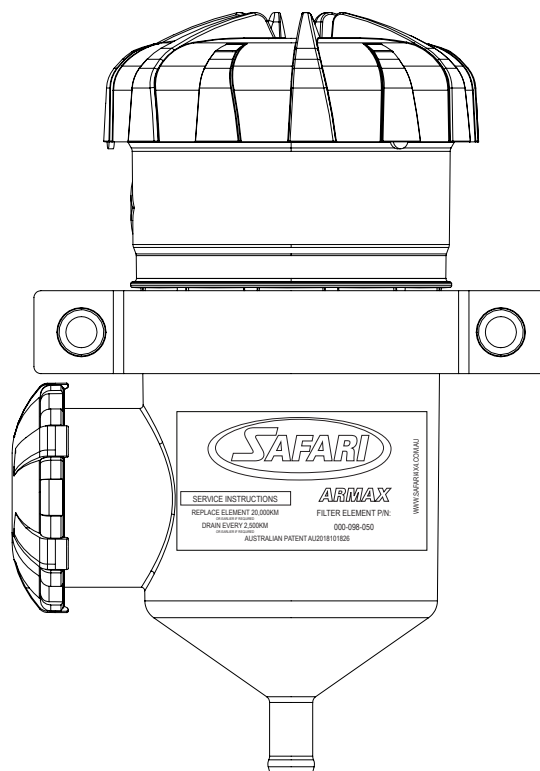




ARMAX

SOSGUN125

**Toyota Hi-Lux 125 Series 1GD-FTV 2015 to Current and
Toyota Fortuner 155 Series 1GD-FTV 2015 to Current
Oil to Air Separator**



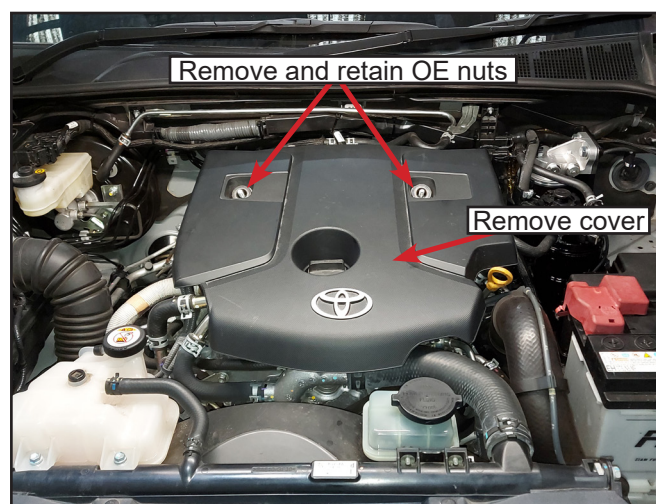
Parts List

Item	Part No.	Description	Qty.
1	000-098-100	OIL SEPARATOR	1
2	322-099-000	BRACKET - STEEL - OIL SEPARATOR	1
3	322-099-100	BRACKET - STEEL - OIL SEPARATOR - DRAIN HOSE SUPPORT	1
4	322-099-101	BRACKET - STEEL - POWER STEERING RESEVOIR	1
5	000-1013-400	BOLT - HEX - M8 X 1.25 X 25MM SS SEMS	2
6	000-001-600	BOLT - HEX - M6 X 1.0 X 15MM SS SEMS	3
7	000-353	WASHER - BODY - M6 X 18MM STAINLESS	2
8	000-204	NUT - M6 NYLOC STAINLESS	2
9	000-255-400	NUT - M8 FLANGE SS	1
10	000-911-035	CLAMP - SPRING - 35 X 12MM	2
11	000-911-025	CLAMP - SPRING - 25 X 12MM	2
12	000-911-019	CLAMP - SPRING - 19 X 12MM	1
13	000-995	CLAMP - HOSE SUPPORT - 20/15MM	1
14	000-987-290	CABLE TIE - PLASTIC - 280MM	5
15	000-001-500	BOLT - HEX- M6 X 1.00 X 12MM - SEMS S/S	2
16	SOSGUN125 PC1	HOSE ASSEMBLY - OIL TO AIR	1

**VEHICLES FITTED WITH 48 VOLT HYBRID SYSTEM
SKIP TO PAGE 4 (STEP 6)**

1.

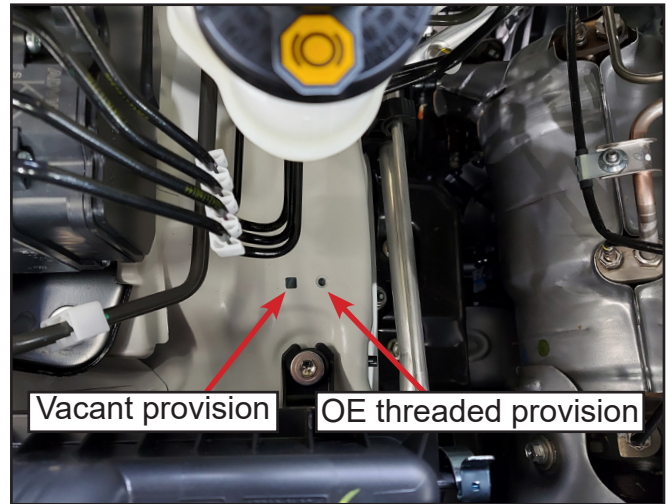
Remove engine cover.



2.

Note the provisions used to secure the base of the Safari mounting bracket to the wheel arch, located below the brake master cylinder.

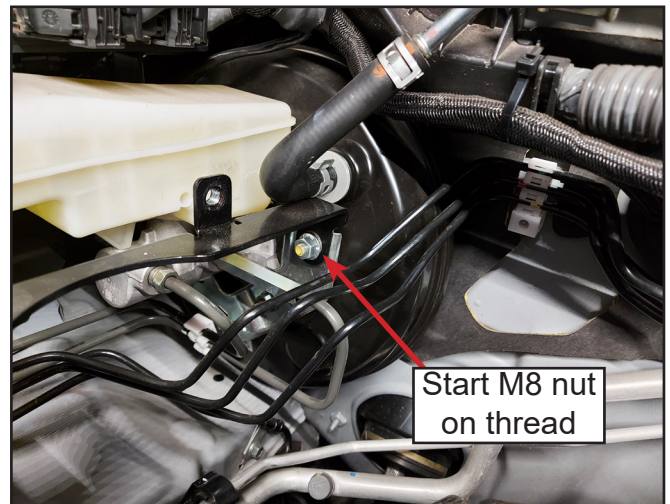
One provision is threaded and one is not.



3.

Install the oil separator mounting bracket (**item 2**) to the stud on the brake booster bracket as shown.

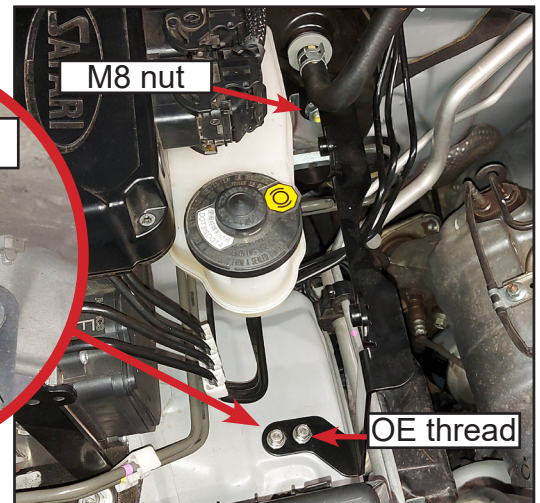
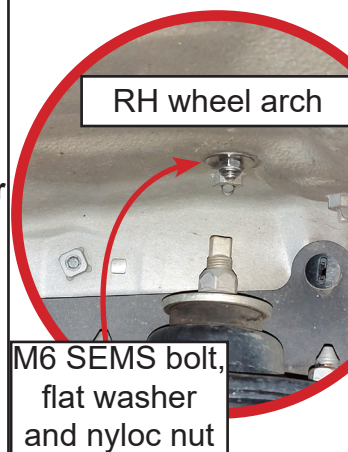
- Start the **M8 flange nut (item 9)** on the thread, do not fully tighten yet.



4.

- Use one **M6 x 15mm SEMS bolt (item 6)** to secure the oil separator mounting bracket in the OE threaded provision.
- Use one **M6 x 15mm SEMS bolt (item 6)**, **M6 body washer (item 7)** and **M6 nyloc nut (item 8)** to secure mounting bracket in the vacant provision. Access bolt thread through right hand wheel arch.

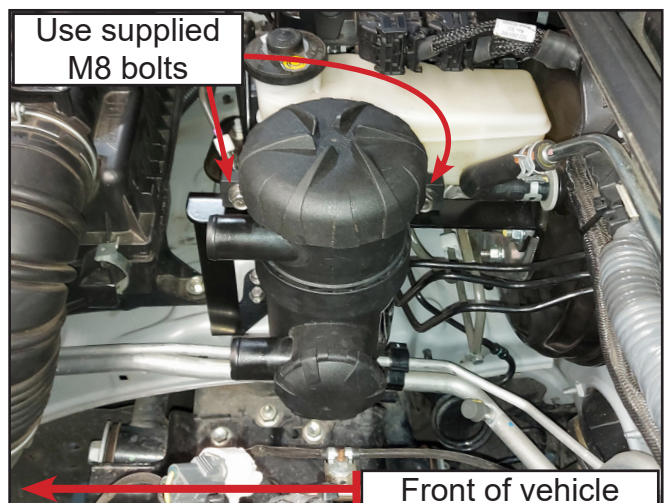
- Tighten all bracket fasteners.



5.

Install oil separator to Safari mounting bracket using two **M8x25mm SEMS bolts (Item 5)**.

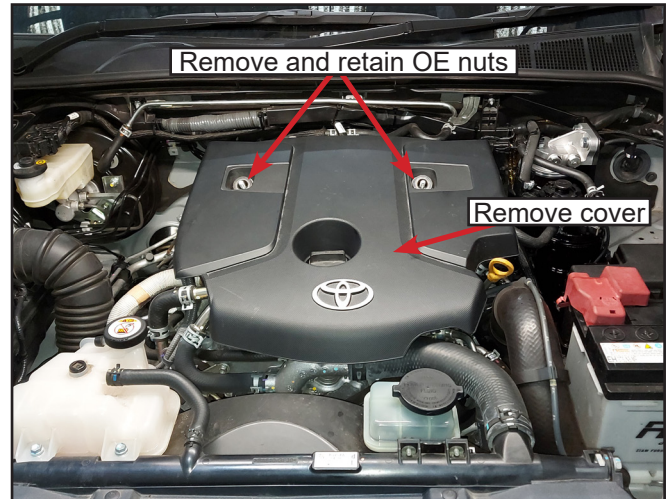
Note the orientation of the oil to air separator when mounted.



VEHICLES NOT FITTED WITH 48 VOLT HYBRID SYSTEM SKIP TO PAGE 7 (STEP 16)

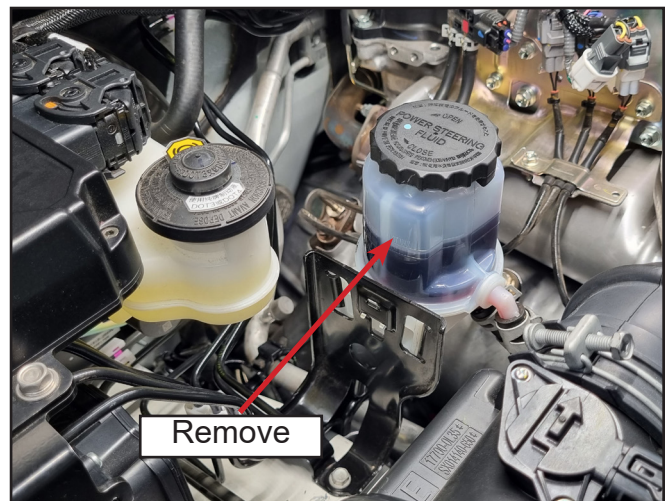
6.

Remove engine cover.



7.

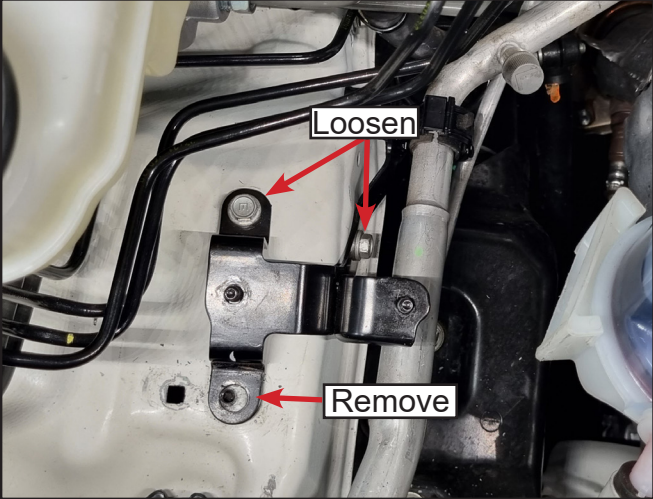

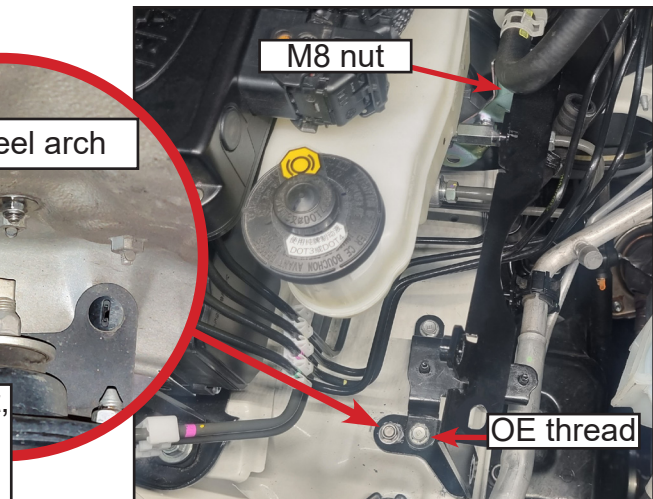
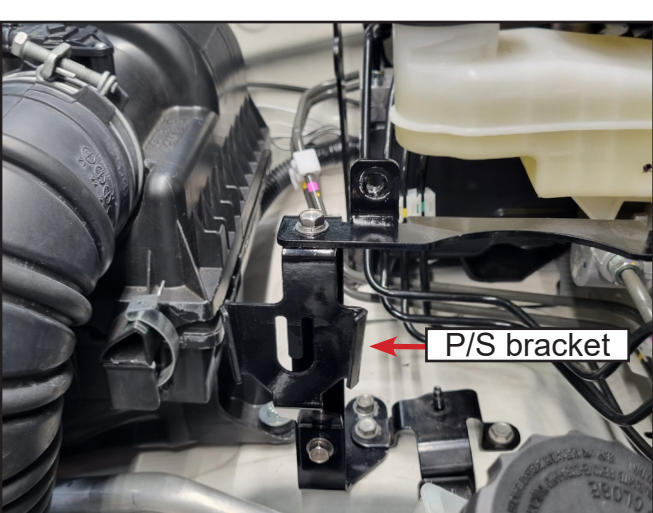
Remove power steering reservoir from mounting bracket.



8.

Remove the 2 mounting nuts securing the upper section of the power steering reservoir mounting bracket



9.	<p>Remove the highlighted lower mounting bracket bolt and loosen the other 2 mounting bolts as shown .</p>	
10.	<p>Install the oil separator mounting bracket (item 2) to the stud on the brake booster bracket as shown. Ensure the lower leg of the mounting bracket is sitting beneath the lower mounting bracket.</p> <p>- Start the M8 flange nut (item 9) on the thread, do not fully tighten.</p>	
11.	<p>- Use one M6 SEMS bolt (item 6) to secure the Safari mounting bracket in the OE threaded provision.</p> <p>- Use one M6 SEMS bolt (item 6), M6 body washer (item 7) and M6 nyloc nut (item 8) to secure mounting bracket in the vacant provision. Access bolt thread through right hand wheel arch.</p> <p>- Tighten all bracket fasteners.</p>	
12.	<p>Install the power steering resevoir mounting bracket to the oil separator mounting bracket using 2 x M6x12mm SEMS bolts (item 15)</p>	

13.

Adjust the oil separator outlet orientation as shown.



14.

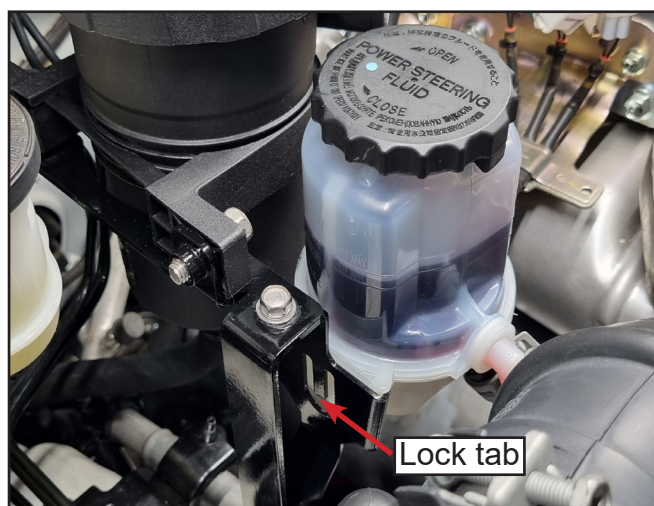
Install oil separator to Safari mounting bracket using two **M8x25mm bolts** (item 5).

Note the orientation of the oil to air separator when mounted.



15.

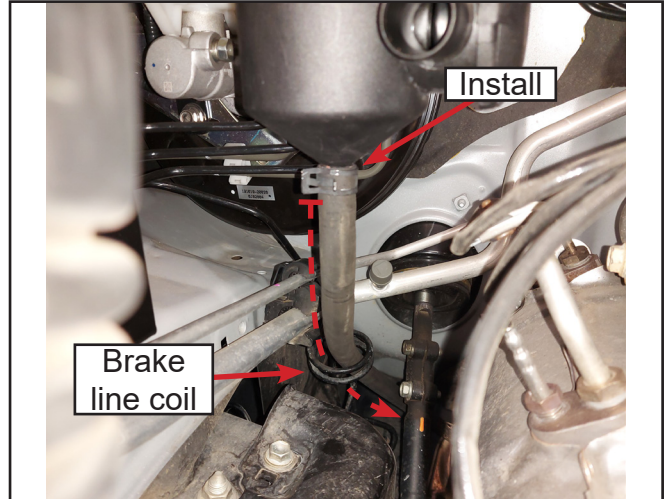
Install the power steering reservoir, bend the lock tab inward to secure.



ALL VEHICLES FOLLOW STEPS 16-26

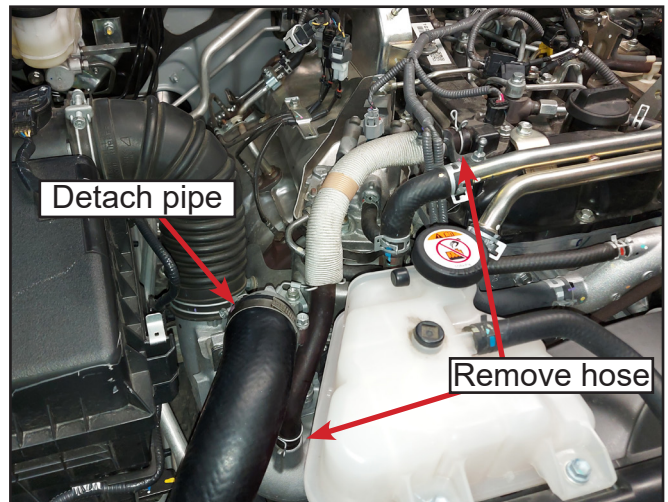
16.

- Feed the **drain hose** through the brake line coil.
- Install the **drain hose** to the base of the separator.
- Secure with **19mm spring clamp (Item 12)**.



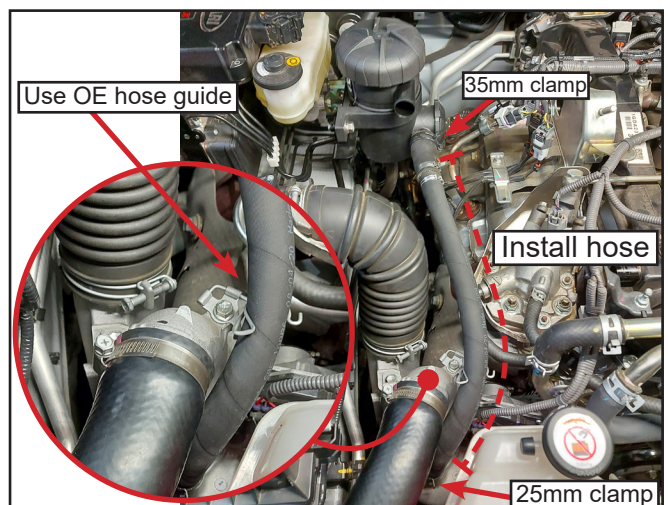
17.

- Detach intercooler pipe.
- Remove and discard breather hose.



18.

- Install the **long hose** to the vehicle's air induction pipe using a **25mm spring clamp (item 11)**, then connect the silicone expander end to the lower port of the oil separator using **35mm spring clamp (item 10)**. Trim hose if required
- Ensure the intercooler pipe clamp does not interfere with the separator's hose.

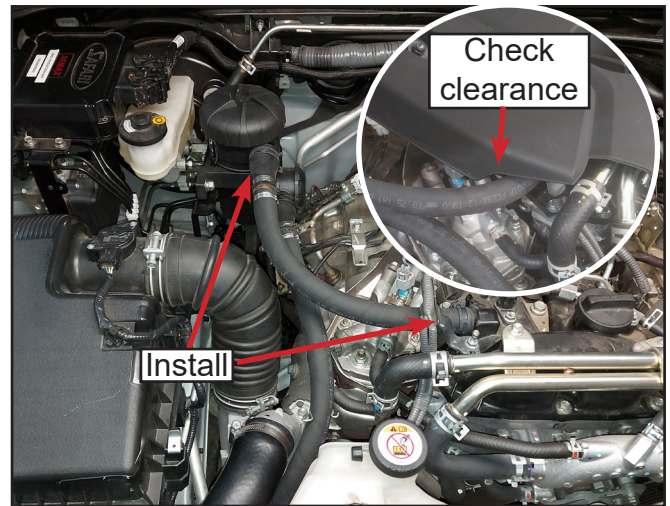


19.

Install the supplied **short hose** to the breather port on the rocker cover using **25mm spring clamp (item 11)**, then connect the silicone expander end to the upper port of the oil separator using a **35mm spring clamp (item 10)**.

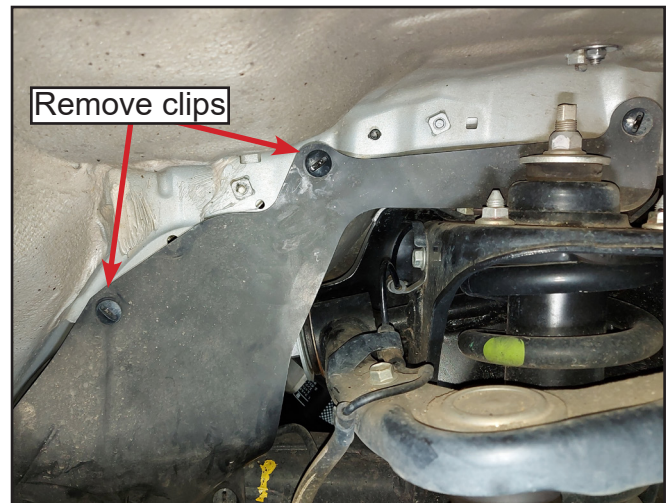
Before trimming hose to final length install the engine cover and check clearance to the bottom edge.

Trim hose if required.



20.

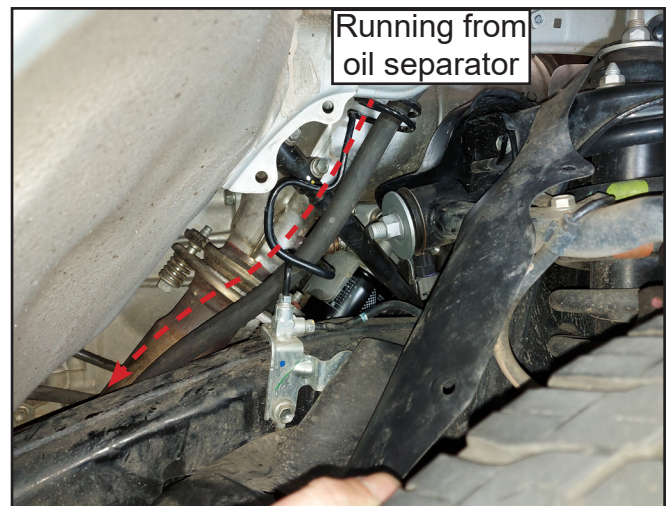
Remove trim clips from the inner right hand wheel arch.



21.

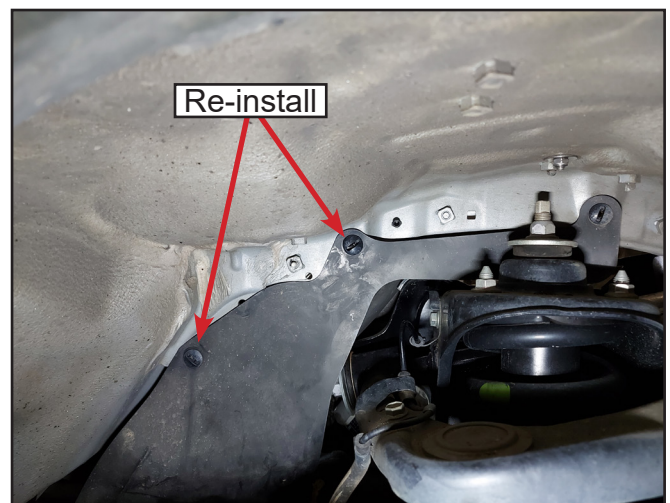
Feed the **drain hose** from the oil separator, down through the brake lines, to the inside of the chassis rail as pictured.

- Secure with cable ties.



22.

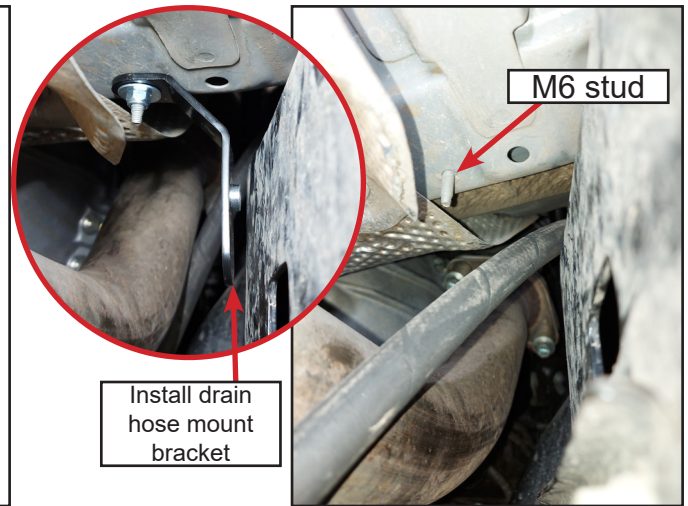
Install the inner guard trim.



23.

Locate the M6 mounting stud.

Install the **drain hose mounting bracket (item 3)** to the existing OE stud as pictured, using **M6 nyloc nut (item 7)** and **M6 body washer (item 6)**.



24.

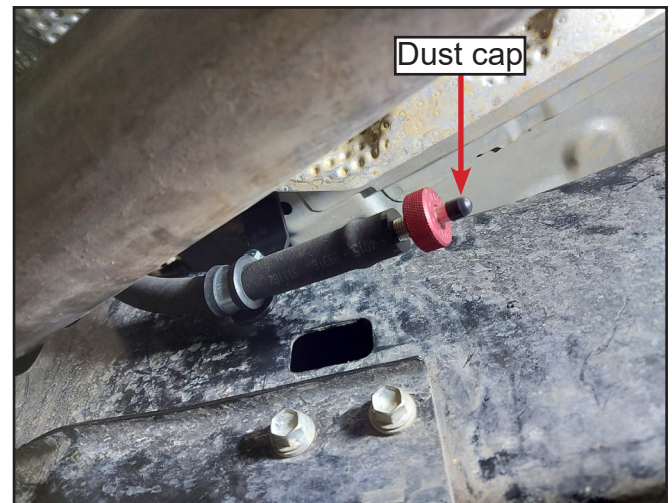
Secure the drain hose using **20mm hose support clamp (item 13)**, use **M6x15mm SEMS bolt (item 6)** to fasten hose clamp.

- Ensure there is enough length in the hose that the drain valve does not contact the chassis, while allowing user to drain the hose vertically.



25.

Install dust cap to drain valve as shown.



26.

Re-check all hose connections and fasteners, re-install engine cover and start vehicle.

Installation is now complete.

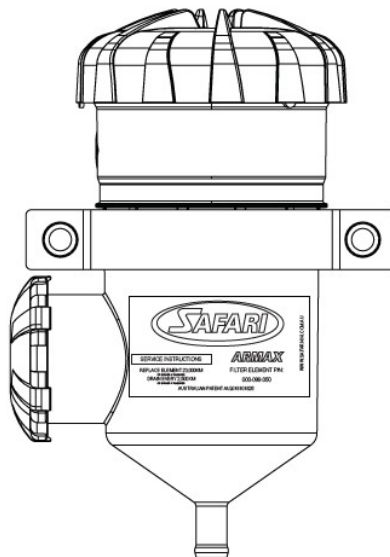


PLACE USER MANUAL ON PASSENGER SEAT OF VEHICLE OR GIVE DIRECTLY TO THE VEHICLE OWNER.

27.



USER MANUAL



OIL SEPARATOR

①

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