SS171HP

TOYOTA TACOMA Gen2
4.0L V6 DOHC VVT-i Petrol (1GR-FE Engine)



01/08/2015

Parts List

ITEM	PART NO.	DESCRIPTION	QTY
1	336-133-000	BODY - SNORKEL (SS171HP)	1
2	000-135-960	4” AIR RAM ASSEMBLY	1
3	336-032-000	BRACKET - UPPER MOUNTING	1
4	000-002-100	BOLT - HEX - 6mm x 1.0 x 14mm (SEMS) S/S	2
5	000-951-300	SCREW - S/T - 4.2mm x 16mm S/S	3
6	000-960	INSERT - PLASTIC	3
7	000-110	STUD - 8mm x 1.25 x 25mm S/S	6
8	000-311-300	WASHER - BODY - 8.4mm x 32mm - 304 S/S	6
9	000-205-300	NUT - NYLOC - 8mm x 1.25mm S/S	6
10	336-024-000	HOSE - AIR ENTRY	1
11	000-910	CLAMP - HOSE - 90/110mm S/S	1
12	000-1913	CLAMP - HOSE - 120/140mm S/S	1
13	000-1931/B	CLAMP - HOSE - No. 64 (BLACK)	1
14	336-017-000	TEMPLATE - FENDER	1

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TOYOTA TACOMA Gen2
4.0L V6 DOHC VVT-i Petrol (1GR-FE Engine)

Installation Guide

Fitment to:

- Right Hand Side

Fitting Time:

- 150min

Special Tools:

- 114mm hole saw
- Step drill
- Body saw (reciprocating)
- Loctite 243 (thread lock)
- Touch-up paint
- Masking tape
- Files

Prior to commencing the installation, it is the installer's responsibility to verify that all components and particularly the template (Item 14) are correct.

1

Remove the RHS mud flap, inner fender liner, washer reservoir, EGR air pump assembly (if fitted to vehicle) and the air cleaner inlet duct in accordance with the factory service manual.

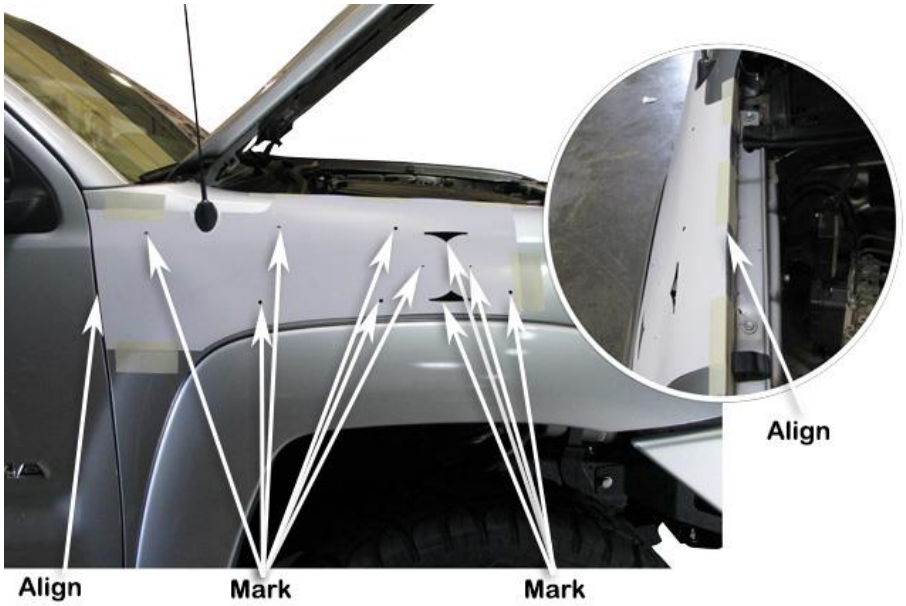
2

Align the fender template (Item 14) to the upper and rear edges of the right hand fender as shown.

Tape the template to the fender with masking tape.

Mark all hole positions and the upper and lower cut out sections with a felt tip pen.

Remove the template.



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3

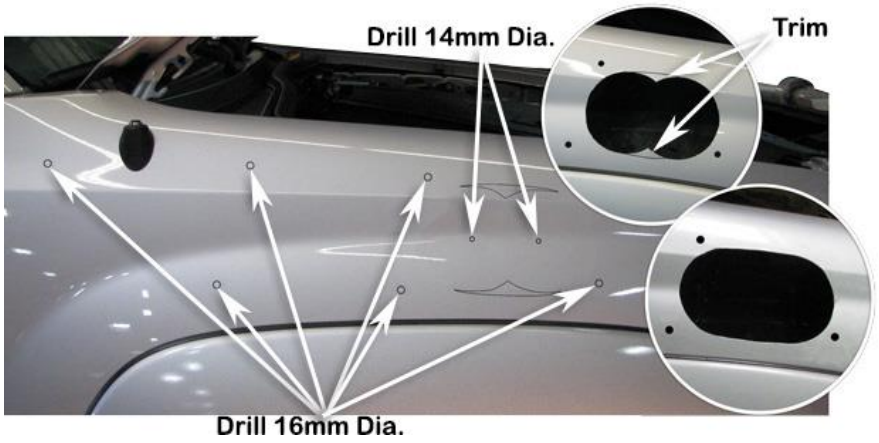
Prior to drilling any holes in the fender, place a strip of masking tape along the top of the fender flare to the fender to prevent any metal filings being trap between the flare seal and fender.

Drill a pilot hole for each of the marked positions.
Use a step drill to drill the 6 mounting holes to 16mm diameter.

Use a 114mm diameter hole saw to drill the snorkel body outlet snout hole positions.

Use a body saw to trim away the upper and lower sections of the fender between the two 114mm diameter holes, as marked from the template cut outs in step 2.

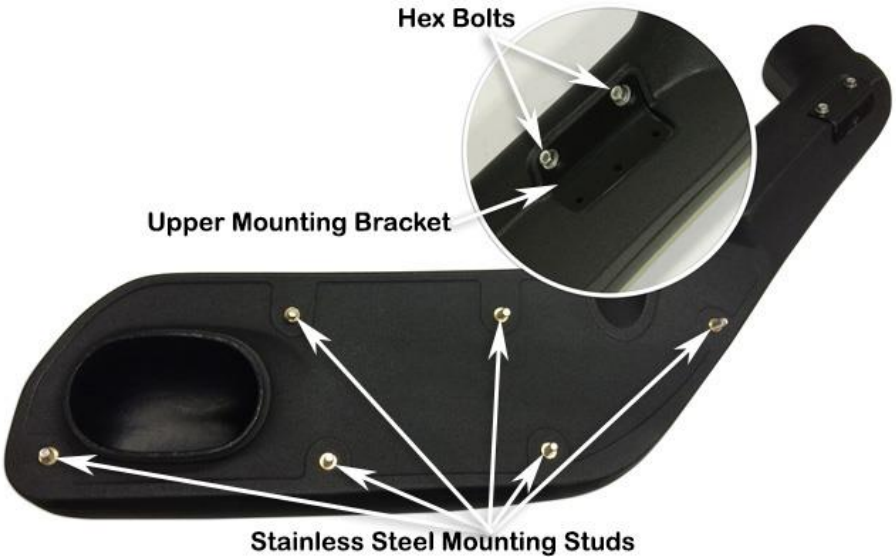
Deburr and paint holes.



4

Install the upper mounting bracket (Item 3) to the snorkel body (Item 1) with hex bolts (Item 4).

Apply Loctite 243 to each of the stainless steel mounting studs (Item 7) and install the studs finger tight into the snorkel body (item 1) mounting inserts as shown.



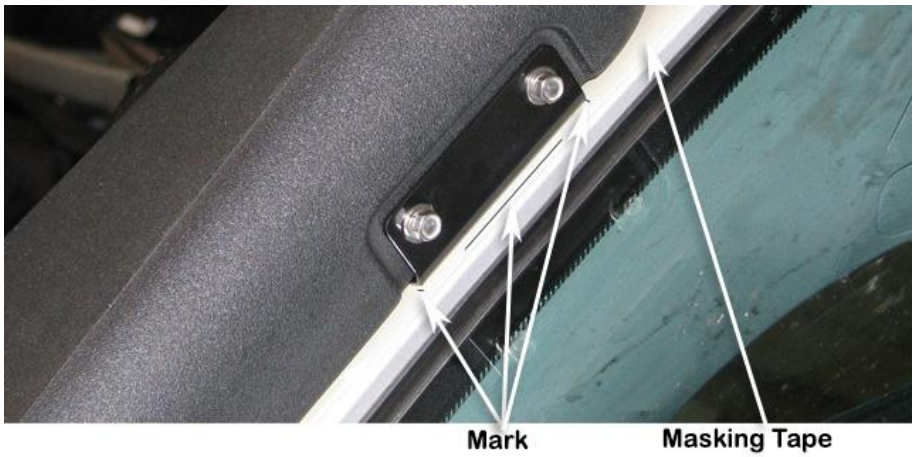
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5

Place a strip of masking tape along the A-Pillar panel.

Carefully install the snorkel body (Item 1) to the fender.

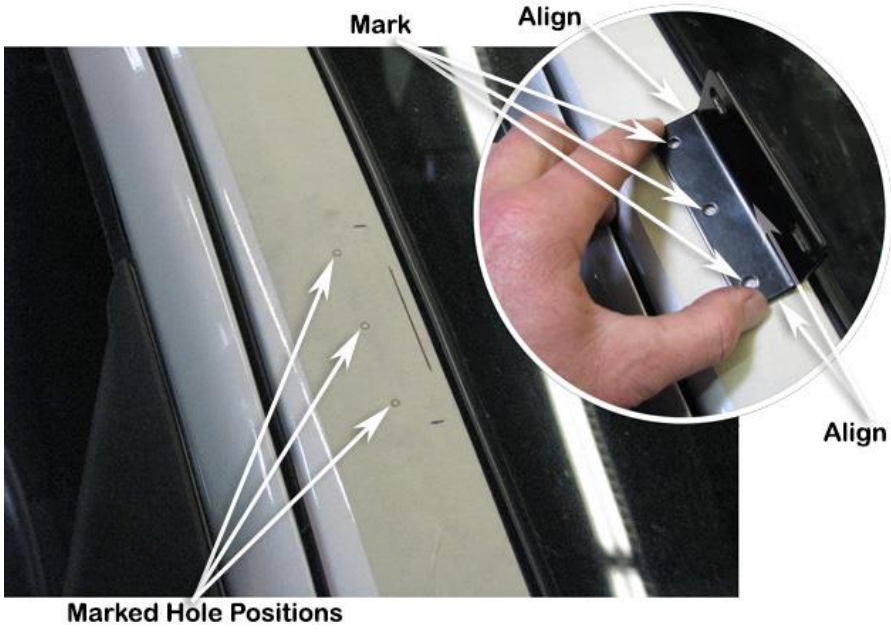
With the snorkel body correctly positioned, mark the outline of the upper mounting bracket (Item 3) onto the masking tape.



6

Remove the snorkel body (Item 1) from the vehicle and remove the upper mounting bracket (Item 3) from the snorkel body.

Position the upper mounting bracket onto the A-Pillar and align the bracket with the marked bracket outline. Mark the three mounting hole positions with a felt tip pen.



7

Drill a pilot hole for each of the three marked hole positions. Drill each hole position to 8mm diameter with a step drill or 8mm drill bit.

Deburr and paint holes.

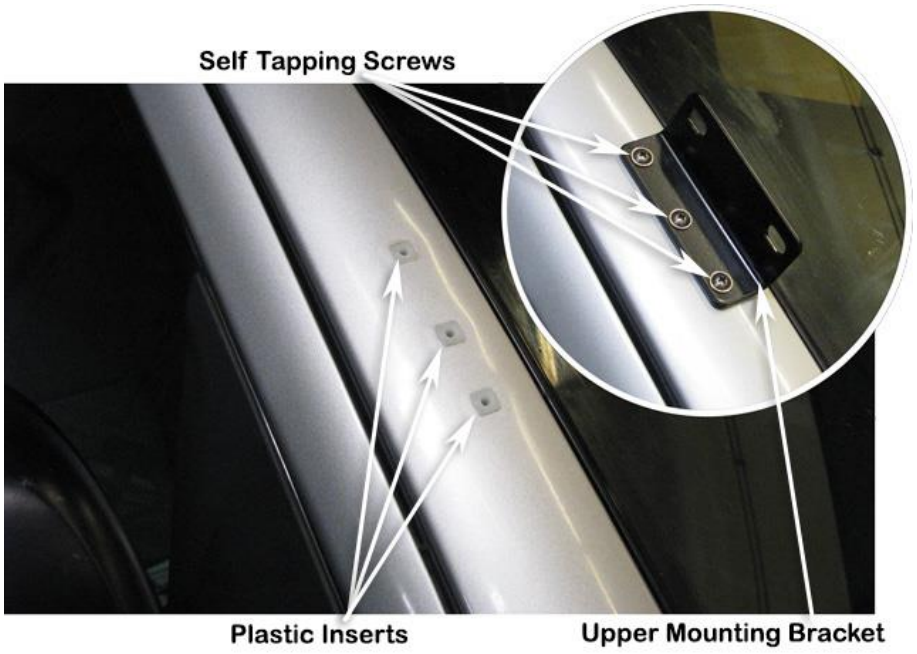


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8

Install the plastic inserts (Item 6) into the 8mm diameter holes in the A-pillar.

Secure the upper mounting bracket (Item 3) to the A-pillar with three self-tapping screws (Item 5).



9

Remove and discard the foam seal from the air cleaner inlet duct.

Using the body saw, cut-off the 1st section of the air cleaner inlet duct at the shoulder as shown.

Deburr cut section using a die grinder or file.

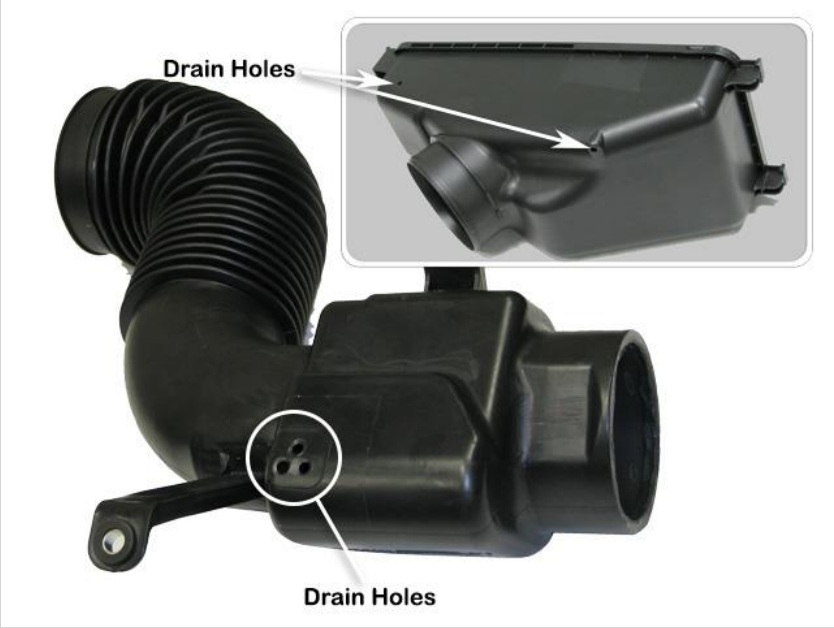


10

INSTALLER OPTION :

The air cleaner lid and air inlet duct have small drain holes that may permit water to enter the air intake.

Safari advises that all drain openings should be totally sealed to ensure a watertight installation.



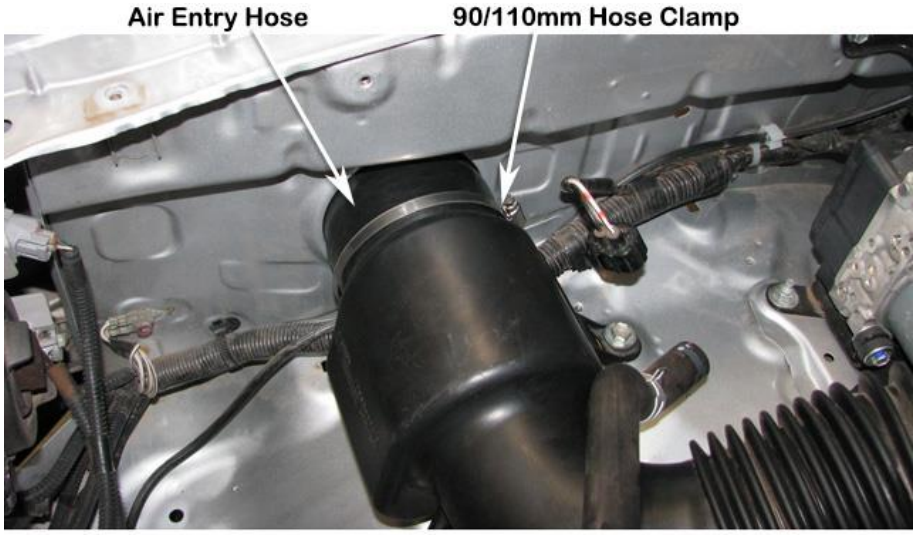
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11

Install the air entry hose (item 10) through the hole in the inner fender panel, loosely install the 90/110mm hose clamp (item 11) over the end of the air entry hose.

Apply a small amount of lubricant to the air entry hose and install the modified air inlet duct into position installing the air entry hose over the air inlet duct.

Fasten the air inlet duct with the standard mounting bolts. Do not tighten the 90/110mm hose clamp.

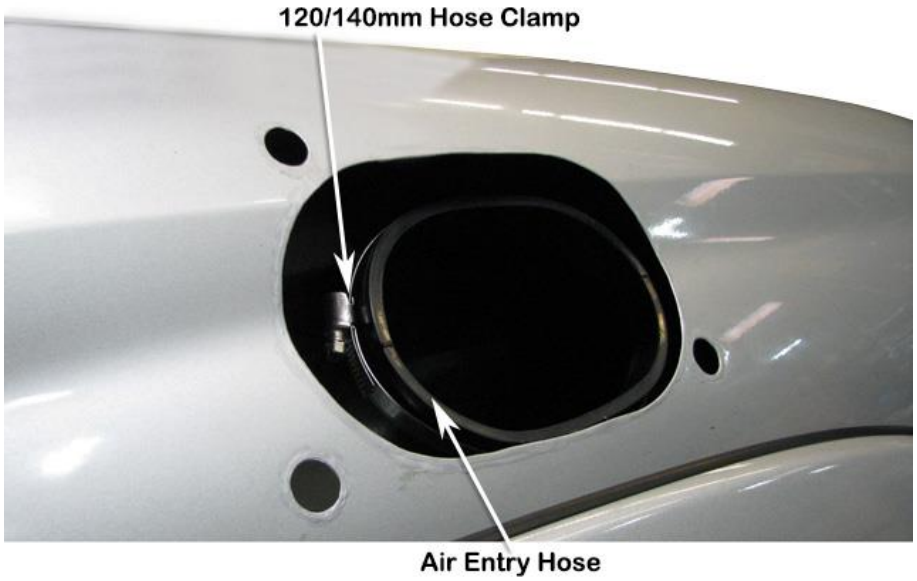


12

Shape the120/140mm hose clamp (item 12) to the oval shape of the air entry hose (item 10). Loosely install the hose clamp onto the air entry hose.
Note the orientation of the hose clamp as shown.

Rotate and align the air entry hose to the main hole in the fender.

Apply a small amount of lubricant to the inside of the air entry hose.



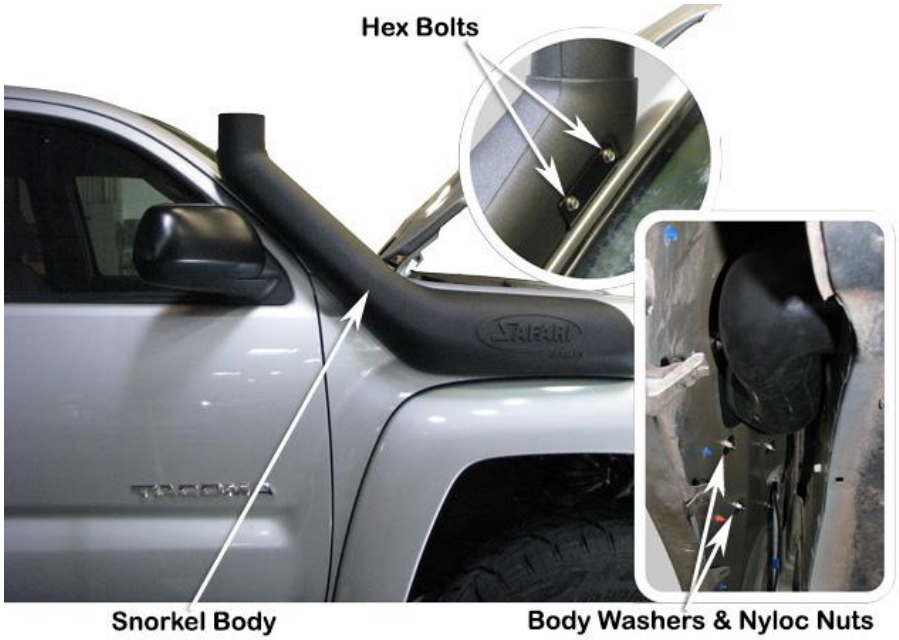
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13

Carefully install the snorkel body (Item 1) to the fender, guiding the snorkel body outlet snout into the air entry hose (item 10), align the snorkel body to fender and upper mounting bracket.

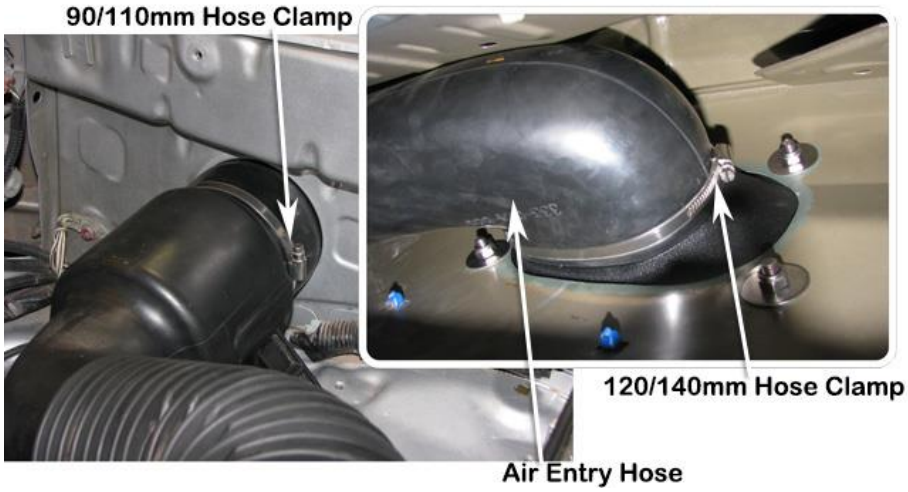
When correctly aligned, fasten the snorkel body to the fender with body washers (Item 8) and nyloc nuts (Item 9).

Fasten the snorkel body to the upper mounting bracket with hex bolts (Item 4).



14

Align the air entry hose for best fitment *(Ensure the air entry hose is installed hard up against the shoulder of the snorkel body outlet)*, correctly position the 90/110mm and 120/140mm hose clamps at either end of the air entry hose and tighten the hose clamps.



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15

Install the black hose clamp (Item 13) loosely over the base of the air ram assembly (Item 2).

Install the air ram assembly onto the snorkel body.

Align the air ram assembly and tighten the black hose clamp (Item 13).



16

Re-Install the washer reservoir, EGR air pump (if fitted to vehicle), fender liner, mud flap, air cleaner element, air cleaner lid, reconnect the air inlet duct and any other items that may have been removed during the snorkel installation process.

17

N.B: It is the installer's responsibility to ensure that all connections are water tight.

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