



FITTING INSTRUCTIONS

Product:	Airtec Snorkel	
Vehicle:	Holden Colorado, Colorado 7 & Trailblazer	
Part No.	011SAT0132Q	011SATW0132Q

- Before commencing fitment read instructions and ensure all listed components are supplied.
- Left hand & right hand components are determined as seated in the vehicle.
- Before commencing installation, ensure that the air box configuration is as shown in the images and that all listed components are supplied.
- Always place the product on a soft work space to prevent damage prior to installation.
- When removing protective coatings, ensure all new edges are deburred, clean any swarf from the area and apply rust preventative to exposed surfaces.
- To provide adequate sealing of the snorkel system all joints and openings must be sealed using neutral cure silicone. If the vehicle has a one way drain valve do not seal it as water entering through the snorkel head needs to drain. TJM recommend frequent inspections to confirm the air box is not retaining water especially after water crossings.
- The fitment of TJM products does not nullify the OE manufacturer's operating guidelines and/or warnings. Ensure you are familiar with and adhere to the usage instructions specified by the manufacturer in the owner's manual or other official documentation.

Bolt tensions	Dia. (mm)	Nm	ft.lbs	Dia. (inch)	Nm	ft.lbs
All bolt tensions are as follows unless otherwise specified.	5	5	4	1/4"	9	7
	6	9	7	5/16"	22	15
	8	22	16	3/8"	33	27
	10	44	32	7/16"	55	43
	12	77	57	1/2"	86	66

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PARTS LIST

DESCRIPTION	QTY	PART No.
Snorkel Body	1	011MB00132Q
Intermediate Tube	1	011IP00132Q
Door Pillar Bracket	1	F-13816
Hose Clamp	1	HC052
Hose Clamp (Black)	1	HC052B
Fitting Instructions	1	F-2014
Template – Outer Guard, Inner Guard	1	F-2014-T

011SAT0132Q ONLY

Air Ram	1	011AR14B97T
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011SATW0132Q ONLY

Wedgetail	1	011AIRWT400
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BOLT KIT

DESCRIPTION	QTY
M8 x 1.25 x 16mm Hex Head Screw	2
M8 Spring Washer	2
5/16" x Ø7/8" Flat Washer	2
M8 x 1.25 x 16mm S/S Button Head Socket Screw (Black)	1
M8 S/Steel Spring Washer (Black)	1
M8 x Ø17mm S/Steel Flat Washer (Black)	1
M8 x 1.25 x 30mm Stud	5
5/16" x Ø1-1/4" Flat Washer	5
M8 x 1.25 Nyloc Nut	5
Nylon Plug	2
5/8" x 8G Stainless Steel PK Screw	2

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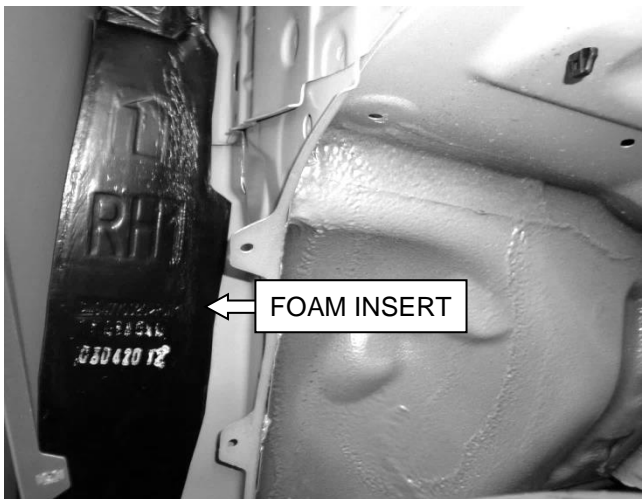
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1. To ensure that the correct template has been supplied, position the "Outer Guard" template over the snorkel body, ensuring that the hole positions match.
2. Position the vehicle on a hoist so as to allow access to the RHS plastic inner guard.

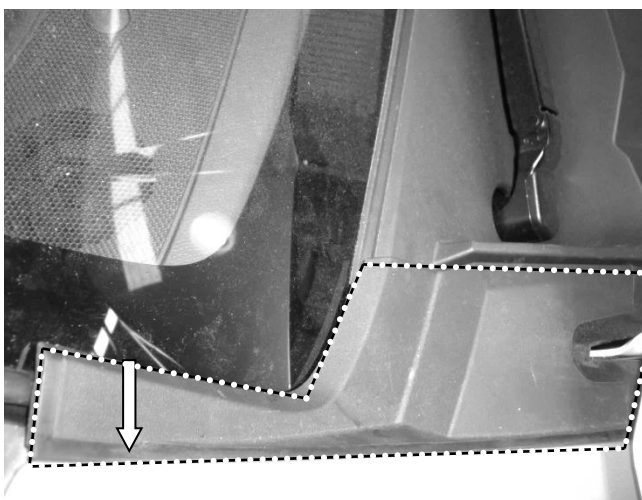
It is suggested, but not required, that you remove the RHS front wheel to allow access to the wheel arch/body guard cavity.

3. Remove & retain the mud-flap & plastic inner guard from the vehicle, retaining all the fasteners.
4. Remove & retain the foam fender insert from the rear of the guard cavity.



5. Remove & retain the plastic trim moulding from the lower edge of the front windscreen, to allow access to the top of the guard cavity.

Push the top outside edge (as indicated) downwards to avoid damage to the retaining clip section of the moulding.



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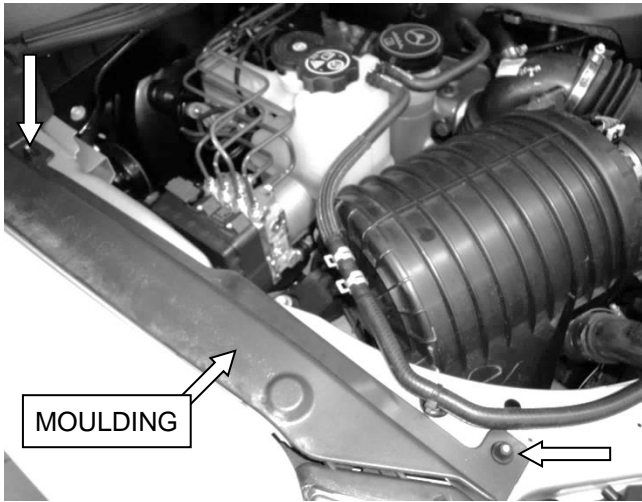
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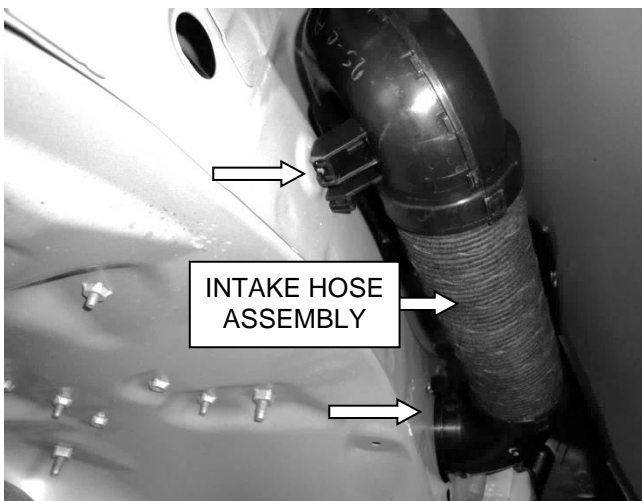
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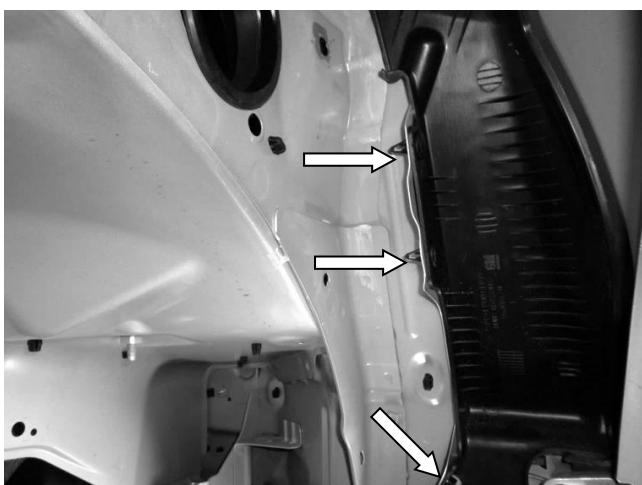
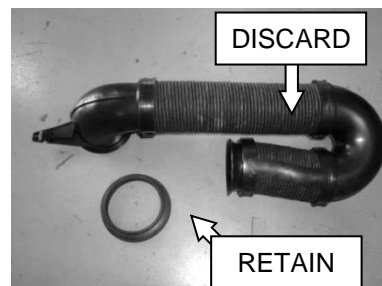
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6. Remove & retain the plastic trim moulding & respective fasteners from the top of the inner guard to allow access to the inner guard cavity.



7. From behind the air-cleaner, remove & discard the M6 nuts (3) securing the air-cleaner intake hose assembly in place.
8. From inside the cavity, remove & discard the air-cleaner intake hose assembly, retaining the rubber gasket ring.



9. Release the retention clips (2) & remove & retain the lower plastic nut (1) from the inner guard rim in the front of the guard cavity.

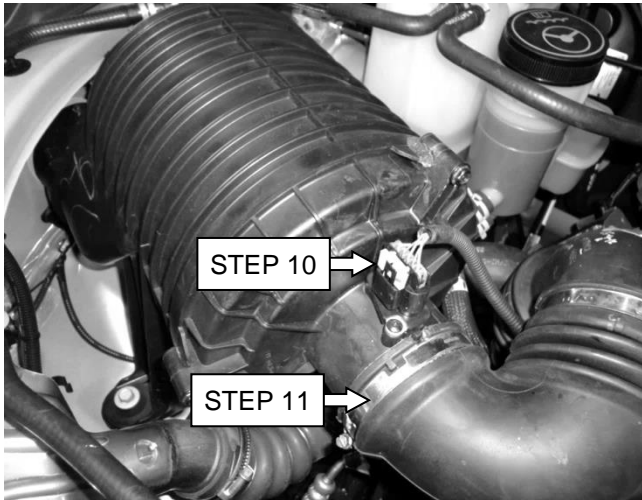
Ensure that the upper plastic nut is left attached to keep the inner guard trim in position.

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10. Disconnect the harness connector from the indicated sensor, then unclip the sensor wiring from the air-cleaner unit.
11. Retaining the hose clamp, disconnect the engine intake hose from the air-cleaner unit. Cover the engine intake hose with a clean plastic bag, so that no foreign matter can enter the system during the installation process.

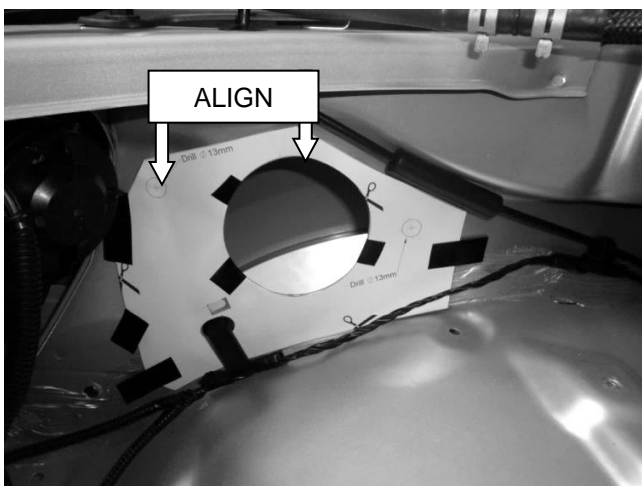


Step 12 applies for 2012-2016 Models

12. Disconnect & temporarily relocate the oil reservoir from the moulded water bottle mount so as to allow access to the indicated air-cleaner unit mounting fastener.

Step 13 applies for 2016+ Models

13. Loosen fastener beneath water bottle and remove from captive thread allowing the aircleaner to move so the remaining fasteners can be accessed.
14. Remove & retain the fasteners (3) securing the air-cleaner and remove the air cleaner from the vehicle.



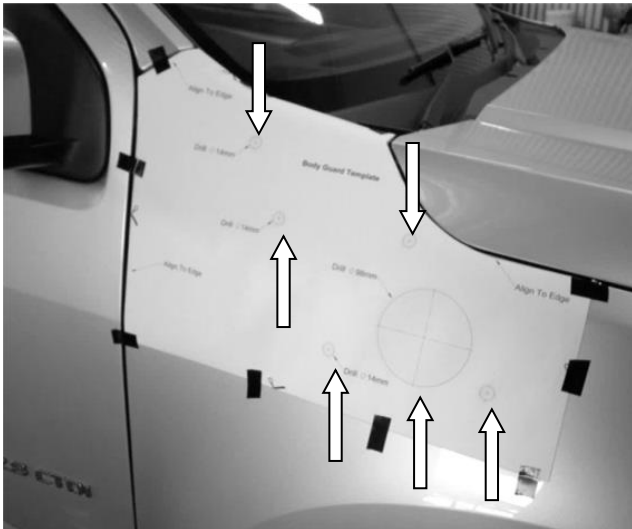
15. Disconnect the wiring harness from the inner guard panel.
16. Trim the supplied "inner guard" template to shape and align with the centre hole & the upper \varnothing 6mm hole and tape it in place.
17. Centre-punch the rear \varnothing 13mm hole position.
18. Remove the template from the vehicle and drill a \varnothing 3mm pilot hole at the previously centre-punched position, then drill out to \varnothing 13mm.

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19. Trim the supplied "outer guard" template to shape and using the edges noted on the template, align it on the RHS body guard & tape it in place.
20. Centre-punch the Ø14mm (5) & Ø98mm (1) hole positions.
21. Remove the template from the vehicle and drill Ø3mm pilot holes at all of the previously centre-punched positions.
22. Drill the Ø14mm & Ø98mm hole positions out to size.



23. To avoid damaging the area when positioning the snorkel body/snorkel bracket, mask the A pillar.



24. Refit the wiring harness from step 15 to its original location.
25. Refit the air-cleaner unit back into position & lightly tighten the fasteners from step 14.
26. Refit the rubber gasket ring from step 8 to the inner guard ensuring that it is engaged into the air-cleaner unit.

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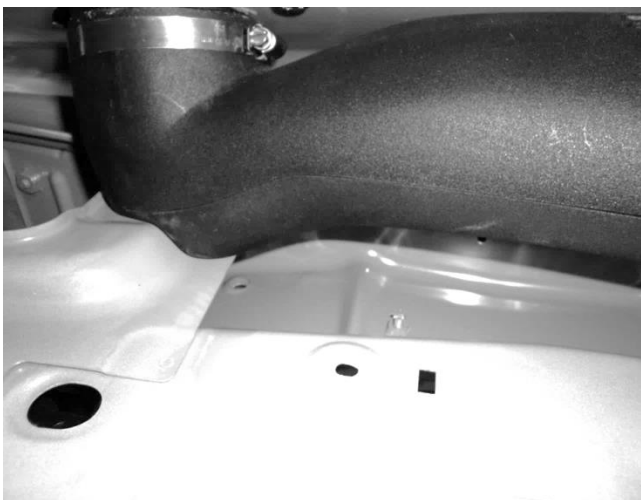
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27. With the hose clamp in place around the inlet end, position the intermediate tube as shown, ensuring that the outlet end is engaged into the rubber gasket ring.
28. Check that the inlet end of the intermediate tube is sitting central to the $\varnothing 98\text{mm}$ hole in the body guard.
29. Loosely secure the outlet end of the intermediate tube in place, through the holes drilled in step 18 using M8 x 1.25 x 16mm hex screws (2), M8 spring washers (2) & 5/16" x $\varnothing 7/8$ " flat washers (2).



30. Loctite the M8 x 1.25 x 30mm studs (5) into snorkel body.
31. Secure the door pillar bracket to the top of the snorkel body, using the black M8 x 1.25 x 16mm button head screw (1), black M8 spring washer (1) and black M8 flat washer (1).
32. Temporarily fit the snorkel body in position on the outer guard and loosely secure in place using 5/16" x $\varnothing 1-1/4$ " flat washers (5) & M8 nyloc nuts (5).



33. Check the clearances between the snorkel body, intermediate tube, air-cleaner unit & vehicle.

If required, trim the mouldings & slot the holes in the vehicle to achieve an appropriate fit.

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34. With a felt tip pen mark the upper and lower position of the door pillar bracket on the A pillar. Remove the bracket from the snorkel body.

35. Remove the snorkel body and intermediate tube from the vehicle (retaining the respective fasteners).



36. Position the door pillar bracket parallel with the A pillar between the lines marked in step 34. Using the holes in the snorkel bracket as a template, mark the two hole positions on the A pillar.

37. Centre punch the holes marked and drill 4mm pilot holes through the outer skin only.

38. Drill the outer skin of both holes out to 8mm.

39. Remove the protective tape from the A pillar. Deburr all holes, clean any swarf from the areas and apply rust preventative to exposed surfaces.



40. Carefully apply silicone to the 8mm holes and insert the nylon plugs.

41. Secure the bracket in place on the A pillar, using $\frac{3}{4}$ " x 8g stainless steel PK screws (2).



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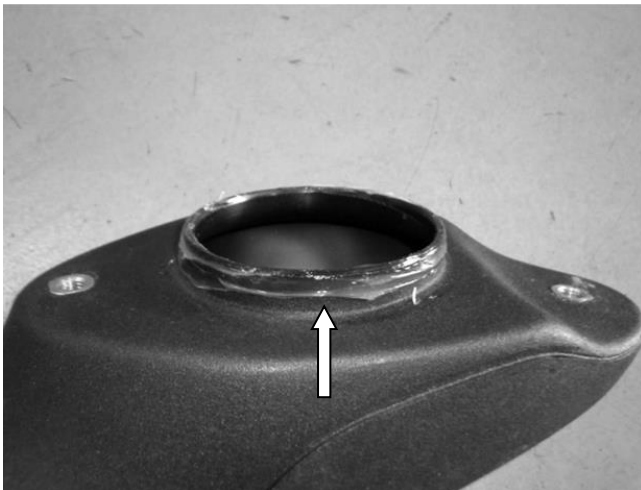
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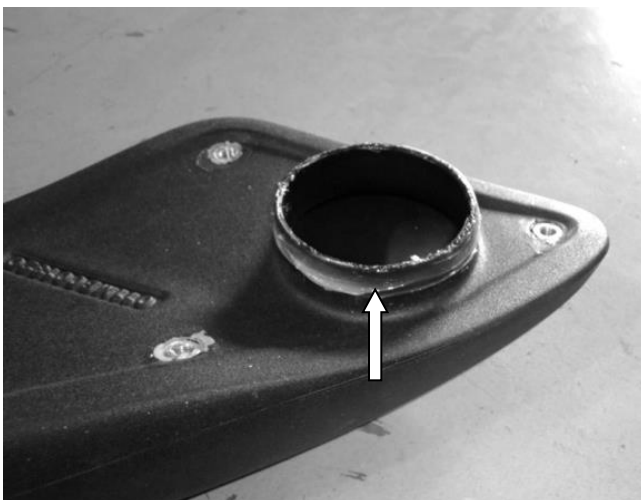
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42. Remove the rubber gasket and apply a thin coating of a neutral cure silicone to the inside face of the air-cleaner unit intake opening.
43. Apply a thin coating of a neutral cure silicone onto the outside edge of the rubber gasket ring.
44. Refit the rubber gasket ring ensuring that it is engaged into the air-cleaner unit.
45. Apply a thin coating of a neutral cure silicone onto the inside face of the rubber gasket ring.



46. Apply a thin coating of a neutral cure silicone to the outside face of the intermediate tube outlet lip (shown).
47. Apply a liberal coating of a neutral cure silicone to the inside face of the intermediate tube inlet opening.
48. Refit the intermediate tube to the vehicle as per steps 27 to 29, ensuring that the rubber gasket ring (step 44) & hose clamp (step 27) are in position.



49. Apply a liberal coating of a neutral cure silicone to the outside face of the snorkel body outlet lip (shown).
50. Refit the snorkel body to the vehicle ensuring that the snorkel body outlet engages into the intermediate tube inlet opening correctly.
51. Lightly secure the snorkel body to the outer guard using 5/16" x Ø1-1/4" flat washers (5) & M8 nyloc nuts (5).
52. Secure the door pillar bracket to the snorkel body using the fastener from step 31.

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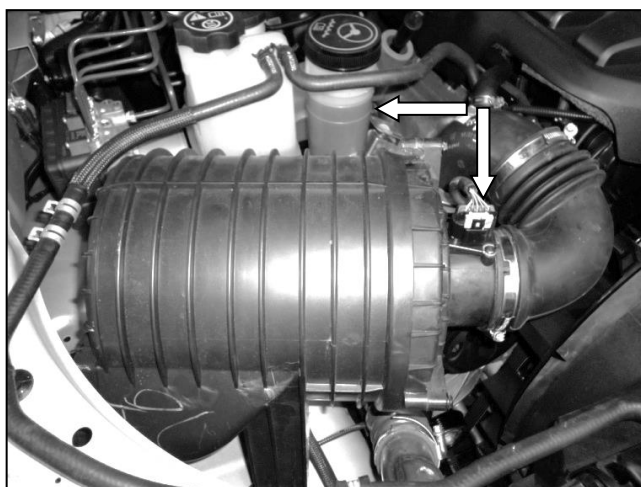
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53. Check the connection points of the snorkel body, intermediate tube & air-cleaner unit.
54. Clean any excess neutral cure silicone from the connection points.
55. Check the clearance between the intermediate tube & the inner guard panel.
56. Tension all of the fasteners securing the snorkel body and intermediate tube to the appropriate torque settings.
57. Fully tighten the hose clamp on the intermediate tube.



58. If fitting an Air Ram, position on the snorkel body so that the fasteners securing the mesh are horizontal. Secure in place using the black hose clamp supplied.
59. If fitting a Wedgetail, position on the snorkel body so that the wedgetail is parallel to the windscreen. Secure in place using the black hose clamp supplied.



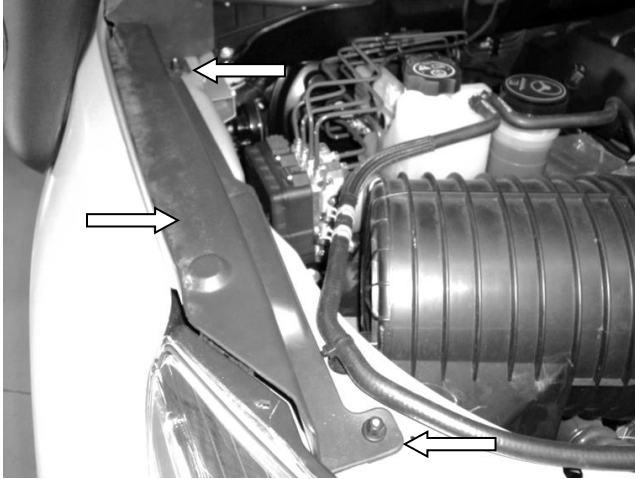
60. Uncover the outlet hose, then reconnect it to the air-cleaner unit, using the hose clamp retained in step 11, as per its original installation.
61. Refit / reattach the oil reservoir and water bottles to the vehicle as per its original installation.
62. Reconnect the previously removed harness connector & wiring as per their original installation.

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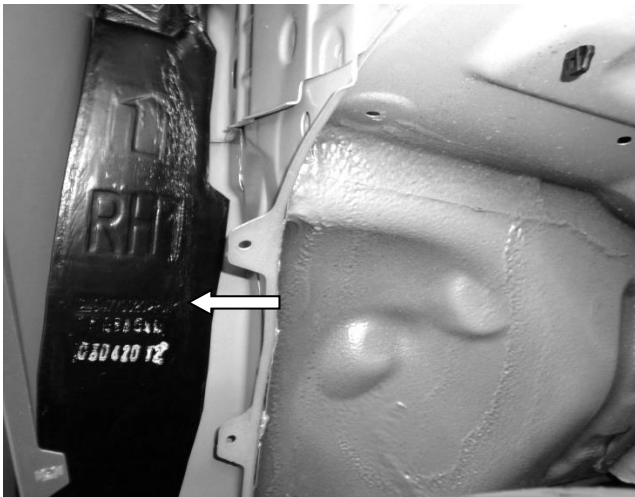


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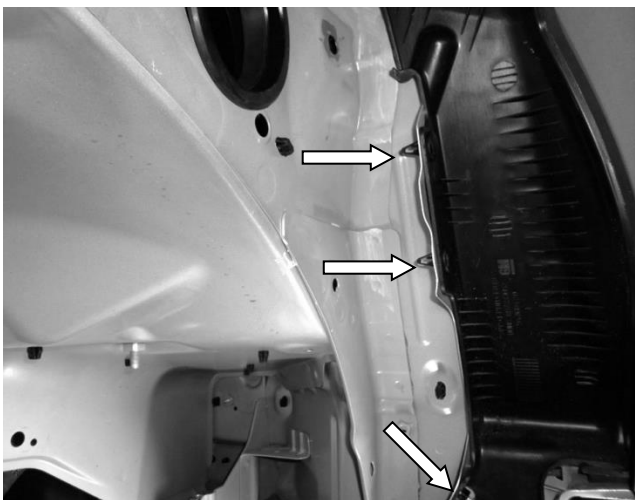
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63. Refit the plastic trim moulding from step 6, as per its original installation.



64. Refit the foam fender insert from step 4, as per its original installation.



65. Resecure the inner guard trim from step 9, as per its original installation.

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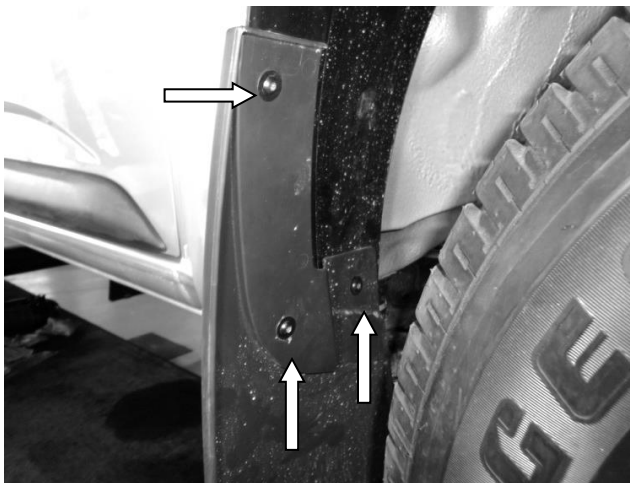
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66. Refit the plastic trim moulding from step 5, as per its original installation.



67. Refit the plastic inner guard & mud-flap to the vehicle, using the fasteners from step 3.

Where applicable, refit the RHS front wheel & tighten to the applicable torque settings.

68. Ensure that all of the relevant wiring looms are connected & check that the associated systems are functioning correctly.

69. Ensure that all of the fasteners are fully tightened to the appropriate torque settings & that, as a result of fitting the product, no vehicle components are crushed or will chafe.

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