



FITTING INSTRUCTIONS

Product:	Airtec Snorkel	
Vehicle:	Mitsubishi Pajero	
Part No.	011SAT0152T	011SAT0252T

- Before commencing installation read instructions carefully, ensure that the air box configuration is as shown in the images and all listed components are supplied.
- Estimated Fitting Times:
 - 011SAT0152T – 3.0hrs
 - 011SAT0252T – 3.5hrs
- Left hand & right hand components are determined as seated in the vehicle.
- 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	011MB00152T
Intermediate Tube	1	0011IP00152T
Foam Gasket	1	011BG00152T
Air Ram	1	011AR14B97T
Hose Clamp (Black)	1	HC052B
Door Pillar Bracket	1	P452
Relay Relocation Bracket	1	P496
Airbox Relocation Bracket	1	P512
Water Bottle Bracket	1	BSUP52T
Fitting Instructions	1	87314
Template – Outer Guard, Inner Guard and Air Cleaner	1	87314-T

011SAT0152T ONLY		
Water Bottle	1	K3570

011SATW0252T ONLY		
Water Bottle	1	CWB0252T

BOLT KIT	
DESCRIPTION	QTY
M6 x 1.0 x 30mm Hex Head Screw	3
M6 Spring Washer	3
M6 x Ø16mm Flat Washer	3
Spacer (10mm OD x 1.6 Wall x 14mm Long)	3
M8 x 1.25 x 16mm Hex Head Screw	2
M8 Spring Washer	4
M8 x Ø19mm Flat Washer	4
M8 x 1.25 x 16mm Button Head Screw	3
M8 x 1.25 x 16mm Button Head Screw (Black)	1
M8 Spring Washer (Black)	1
M8 x Ø17mm Flat Washer (Black)	1
M8 x 1.25 x 30mm S/S Stud	4
M8 Mudguard Washer	6
M8 Nyloc Nut	5
3/4" x 8G Stitching Screw	2

FITTING KIT	
Wire Connectors	4
4mm Hose Connector	1
4mm Rubber Hose (1m)	1
2 Core Wire (1m)	1
Zip Ties (300mm Long)	6
Zip Ties (480mm Long)	1

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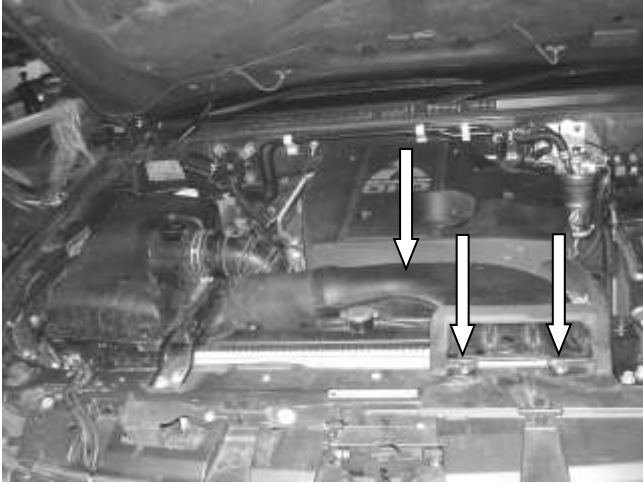
Vehicle:

Mitsubishi Pajero

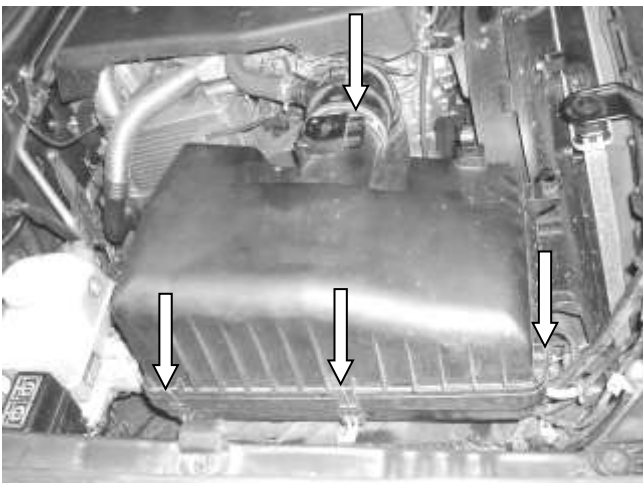
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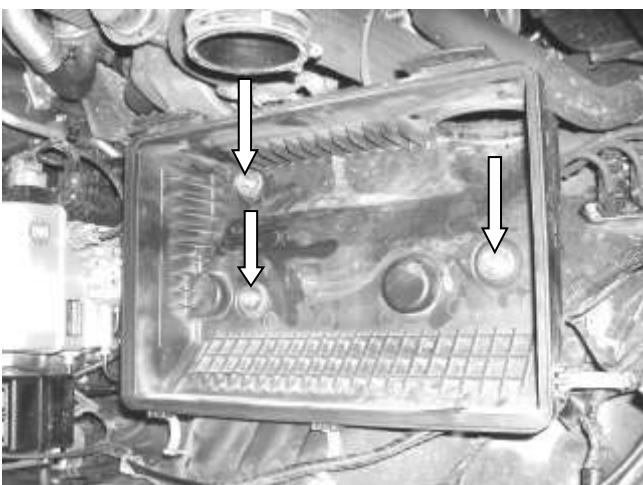
011SAT0252T



1. Place the outer guard template over the snorkel body to ensure the studs and hole positions line up.
2. Remove (& discard) fasteners securing the plastic air duct to the air cleaner box.



3. Loosen the hose clamp holding the top half of the air cleaner box.
4. Disconnect the wiring harness attached to the top half of the air cleaner box.
5. Separate the intake hose from the top half of the air cleaner box.
6. Release the clips securing the top half of the air cleaner box. Remove top half of air cleaner and air filter element.
7. Cover the engine intake hose with a clean plastic bag so no foreign matter can enter the engine.



8. Remove (& retain) the 3 bolts securing the bottom half of the air cleaner box.
9. Remove bottom half of air cleaner box.

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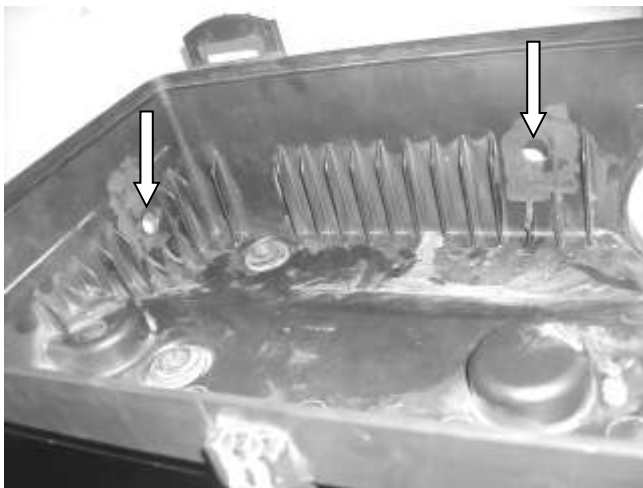
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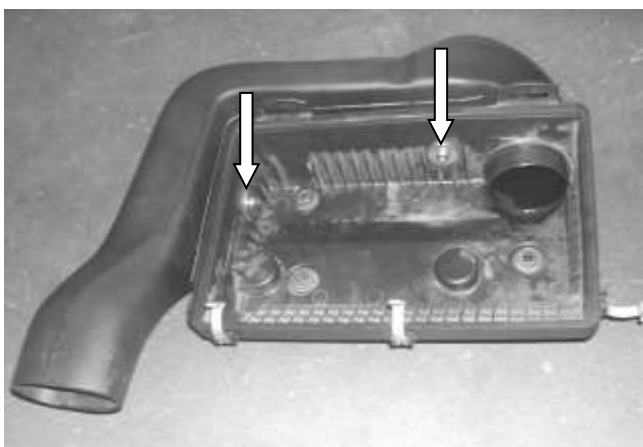
011SAT0252T



10. Cut out the air cleaner template and place the template over the outside of air cleaner box.
11. Mark the three hole centres to be drilled on the outside of the air cleaner box.
12. Remove the template and drill the 13mm hole and the 13mm slot.



13. Remove the ribs on the inside of the air cleaner around the mounting positions as shown and deburr the holes.



14. Apply neutral cure silicone to the outside of the intermediate tube where it connects to the air cleaner box.
15. Fit the intermediate tube to the air cleaner box using two M8 x 1.25 x 16 hex head screws (2), M8 spring washers (2) & M8 mudguard washers (2).
16. Wipe any excess silicone from the air cleaner box and intermediate tube.

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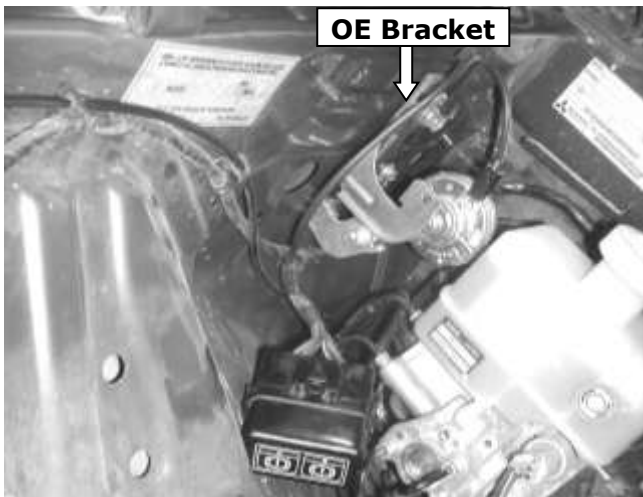
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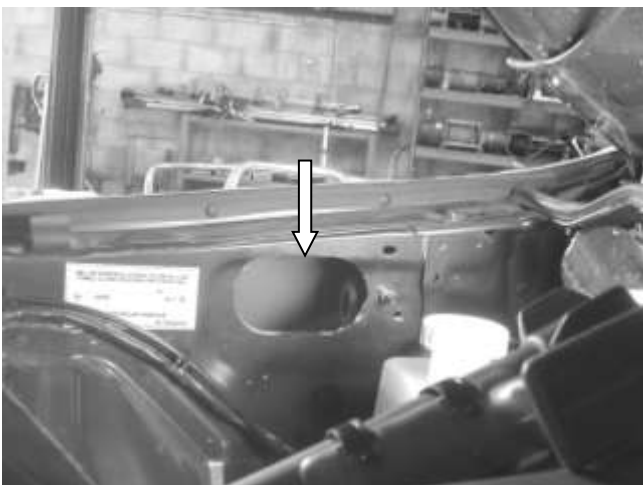


17. Remove the plastic inner guard from the wheel arch, exposing the washer bottle.
18. Drain all the water from washer bottle and disconnect the washer bottle hose.
19. Carefully remove the washer bottle. Remove (& retain) the washer bottle pumps and any fasteners used to secure them in place if present. Discard the washer bottle.

Note: For vehicles fitted without headlight washers, only one pump will be present.



20. Remove the relay from the OE bracket.
21. Remove the OE bracket and retain the fasteners, rubber bushes and crush tubes. Discard the OE bracket.
22. Fit the rubber bushes and crush tube to the relay relocation bracket supplied.



23. Cut out the inner guard template and position the template over the two captive studs.
24. Mark the two 64mm hole centres to be drilled in the inner guard.
25. Drill two 64mm holes and grind or file the holes to create an oblong hole in the inner guard.

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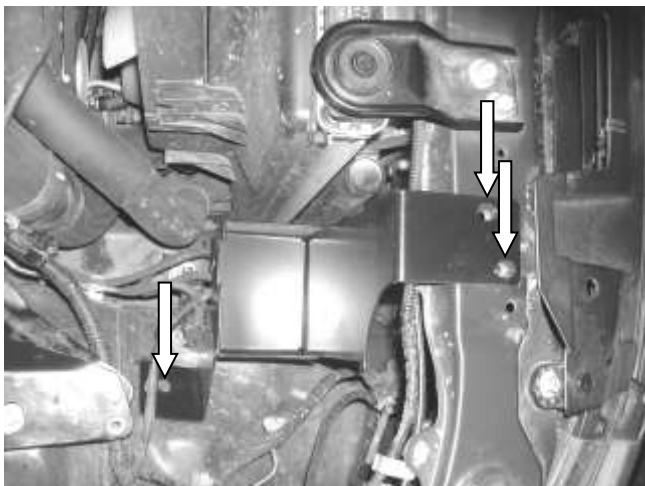


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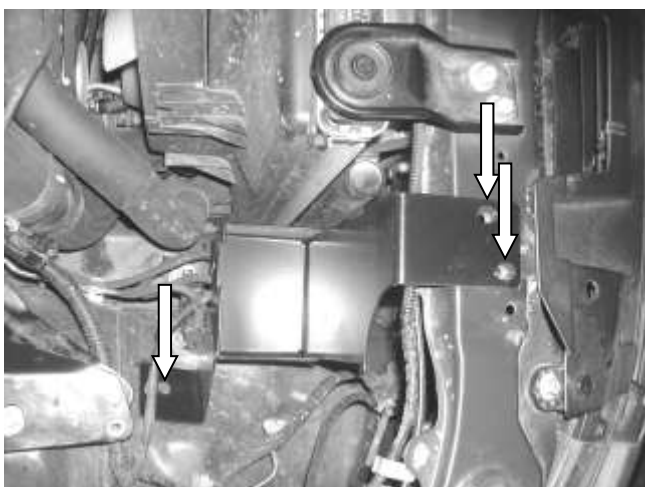
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26. Deburr all sharp edges and apply rust preventative to exposed surfaces.
27. Fit the relay relocation bracket using the original fasteners and fit the relay.



28. Place the washer bottle bracket over the captive nuts on the top radiator support panel.
29. Mark the lower hole using the washer bottle bracket as a template and drill a 9mm hole
30. Deburr the hole, clean any swarf from the area and apply rust preventative to exposed surfaces.



FOR VEHICLES WITHOUT HEADLIGHT WASHERS COMPLETE STEPS 31 to 34

31. Secure the top of the washer bottle bracket to the radiator support using M8 x 1.25 x 16mm button head screws (2), M8 spring washers (2) & M8 flat washers (2).
32. Secure the bottom of the washer bottle bracket to the guard using M8 x 1.25 x 16mm button head screw (1), M8 flat washers (2) & M8 nyloc nut (1).

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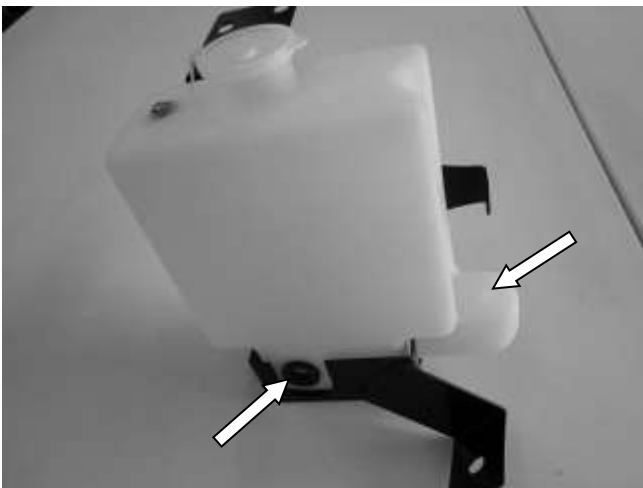
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33. Fit the original washer bottle pump retained in step 19, to the washer bottle supplied.

Note: Use neutral cure silicon on all joins to prevent leaks.

34. Place the washer bottle in the bracket and secure the top half of the washer bottle with the long cable tie supplied.

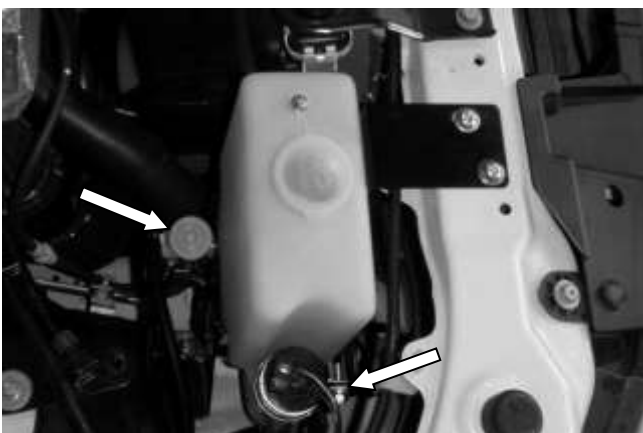


FOR VEHICLES WITH HEADLIGHT WASHERS COMPLETE STEPS 35 to 40

35. Secure the supplied washer bottle to the bracket with the button head screw located in the side of the washer bottle.

36. Secure the top of the washer bottle bracket to the radiator support using M8 x 1.25 x 16mm button head screws (2), M8 spring washers (2) & M8 flat washers (2).

37. Secure the bottom of the washer bottle bracket to the guard using M8 x 1.25 x 16mm button head screw (1), M8 flat washers (2) & M8 nyloc nut (1).



38. Fit the original washer bottle pump into the grommet on washer bottle.

39. Fit the original headlight washer pump into the side of the washer bottle.

Note: Use neutral cure silicon on all joins to prevent leaks.

40. Secure the headlight washer pump to the washer bottle bracket using the OE clamp and fastener.

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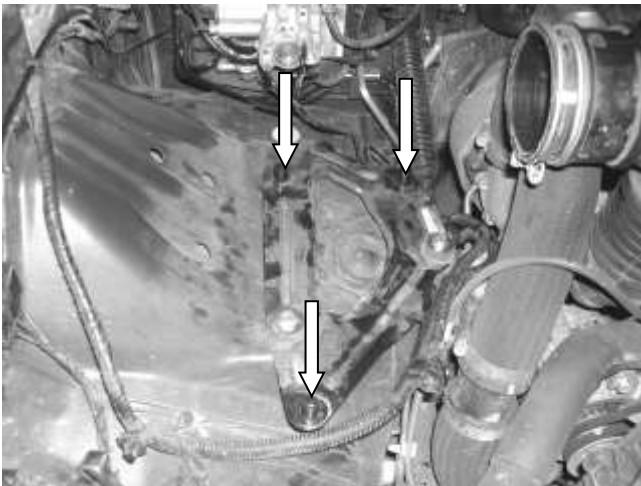
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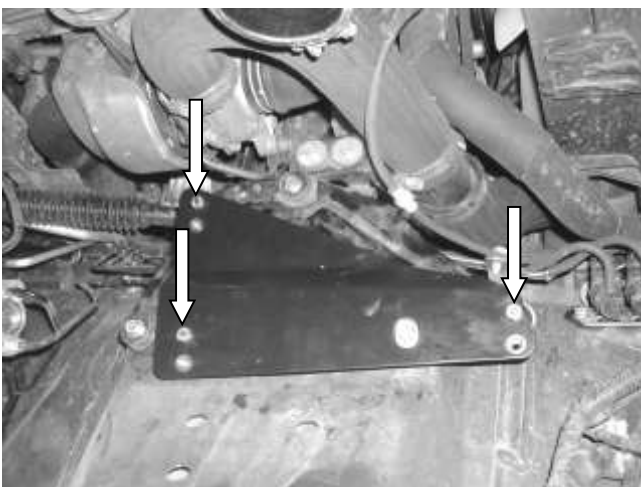
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41. Using the washer bottle hose and joiner supplied, connect the pump to the OE washer bottle hose. Re-route the hose and pump wiring from inside the cavity in the inner guard through the side firewall along the wiring harness and to the pump. Use the zip ties (3) supplied to secure the hose in place.



42. Using the 3 spacers (10mm OD x 1.6mm wall x 14mm Long) supplied, place the 3 spacers over the captive nuts on the OE air cleaner bracket.



43. Place the air cleaner relocation bracket over the 3 spacers, ensuring they line up with the captive nuts and secure the bracket using M6 x 1.0 x 30mm bolts (3), M6 spring washers (3) & M6 flat washers (3).

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44. If the vehicle is fitted with a side indicator on the guard, remove indicator prior to placing the template on the guard.
45. Cut out the outer guard template. Position the template on the guard and secure it in place with masking tape.
46. Centre punch the five holes and drill 3mm pilot holes.
47. Drill out the four fastening holes to 13mm and the larger hole to 102mm.



48. Deburr the holes, clean any swarf from the area and apply rust preventative to exposed surfaces.
49. Apply Loctite to the M8 x 1.25 x 30mm studs (4) and assemble into the snorkel body.
50. Remove the backing from the foam gasket and affix it to the snorkel body.
51. Place the snorkel on the guard and loosely secure to the guard using M8 mudguard washers (4) & M8 nyloc nuts (4).



52. Temporarily place the air cleaner box and intermediate tube in the vehicle. Position the intermediate tube over the snorkel body outlet.
53. Loosely secure the air cleaner box using OE fasteners into the air cleaner relocation bracket.

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54. Open the driver's side door, place masking tape around the area where the door pillar bracket will be secured.

55. Mark the two holes to be drilled in the "A" pillar.

Note: Be sure to drill through the outer panel of the "A" pillar only. Do not drill through the inner panel.

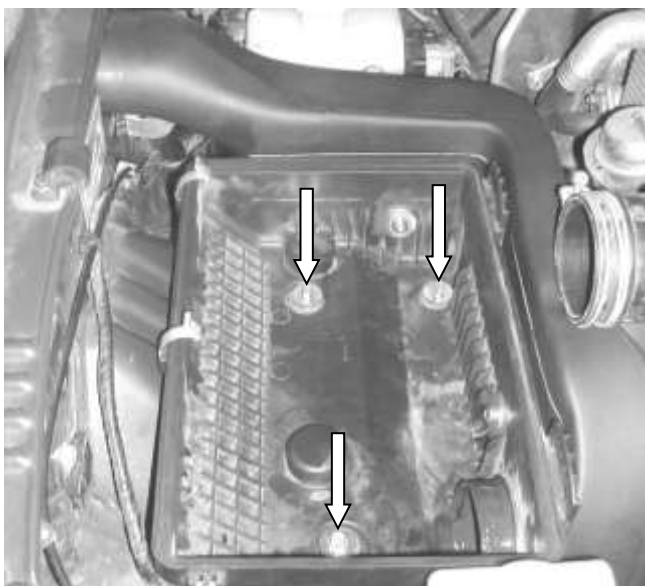
56. Remove the upper snorkel bracket (retaining the fastener) and drill two 3mm holes in the "A" pillar.



57. Deburr the holes, clean any swarf from the area and apply rust preventative to exposed surfaces.

58. Secure the upper snorkel bracket to the "A" pillar using two 3/4" x 8G Stitching Screw.

59. Tighten the screw from the upper snorkel bracket to the snorkel body.



60. Remove (& retain) the OE fasteners, air cleaner box and intermediate tube.

61. Apply neutral cure silicone to the inside of the intermediate tube inlet.

62. Place the air cleaner box and intermediate tube in the vehicle and position the intermediate tube over the snorkel body outlet.

63. Secure the air cleaner box using OE fasteners into the air cleaner relocation bracket.

64. Tighten the fasteners securing the snorkel body to the guard.

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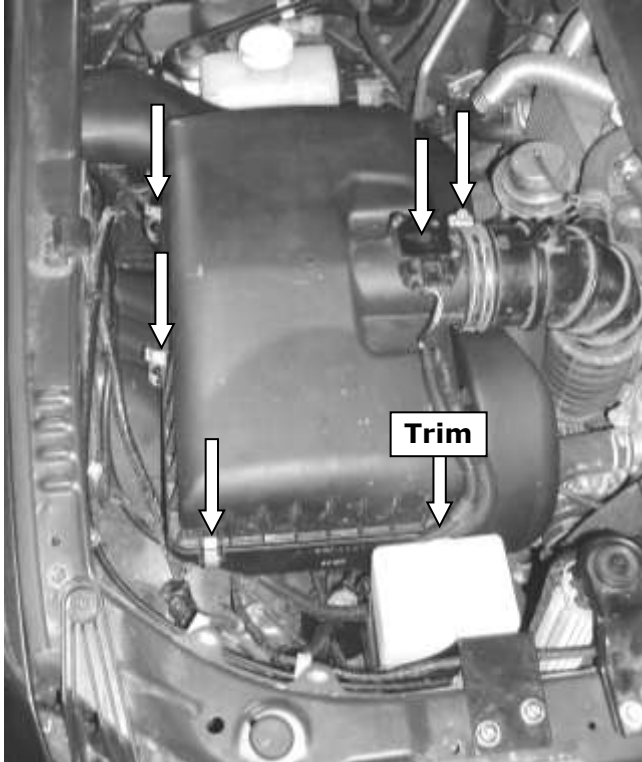
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65. Place the air filter element in the air cleaner box.
66. Reposition the top half of the air cleaner box and mark the area that needs to be trimmed to clear the washer bottle.
67. Remove the top half of the air cleaner box, trim the marked area and deburr any sharp edges.
68. Reposition the top half of the air cleaner box and secure in place using the OE clips.
69. Remove the plastic bag covering the intake hose. Refit the intake hose to the air cleaner box and tighten the hose clamp.
70. Connect the wiring harness back to the top half of the air cleaner box.



FOR VEHICLES WITH INDICATORS ON THE GUARD COMPLETE STEPS 71 AND 72

71. Using the wire and connectors supplied lengthen the indicator wiring harness and re-route the wiring harness. Use the zip ties (3) supplied to secure the harness in place.
72. Refit the indicator back on the guard and re-connect the harness.

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73. Refit the plastic inner guard using the OE fasteners
74. Fill the washer bottle with water and check for any leaks.
75. Position the air ram on the snorkel body so that the fasteners securing the mesh are horizontal. Secure with the black hose clamp supplied.
76. Check that all fittings are secure and all fasteners are fully tightened to the appropriate torque settings on page 1.
77. Ensure as a result of fitting this product no vehicle components are crushed or will chafe.

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