

Section 1 – Installation Preparation

Part Number: PTR03-53141**Kit Contents**

Item #	Qty.	Service Part #	Description
1	1	PTR03-53141-AA	F-Sport Filter
2	1	PTR03-53141-AB	F-Sport Air Box Upper
	1	PTR03-53141-AC	Bellows & Clamp Kit
3	1		#48 Hose Clamp
4	1		Bellows
5	1		#52 Hose Clamp
6	1	PTR03-53141-AD	Intake Tube
	1	PTR03-53141-AE	Coupler & Clamp Kit
7	2		#52 Hose Clamp
8	1		Coupler

Additional Items Required For Installation

Item #	Quantity Req.	Description
None		

Conflicts

NA

Recommended Tools

Safety Tools	Notes
Vehicle Protection	Blankets or Fender Covers
Special Tools	Notes
None Required	
Installation Tools	Notes
Nut Driver or Socket	8mm or 5/16"
Nut Driver or Socket	10mm
Drive Ratchet	
Drive Extension	
Standard Pliers	
Needle Nose Pliers	
Torque Wrench	in-lb (0-120 in-lb)
Phillips Screw Driver	#3
Special Chemicals	Notes
None	

General Applicability

Lexus IS250/IS350: 2014 →

Torque Specifications

Hardware Type	SAE Torque in-lb	Metric Torque Nm
Hose Clamp	30 \pm 5.0	3.4 \pm 0.6

Please see Page 12 for important “Care and Maintenance” information!

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req.	Description

Legend

STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.



OPERATOR SAFETY: Use caution to avoid risk of injury.



CAUTION: A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.



TOOLS & EQUIPMENT: Used in Figures calls out the specific tools and equipment recommended for this process.



REVISION MARK: This mark highlights a change in installation with respect to previous issue.



SAFETY TORQUE: This mark indicates that torque is related to safety.

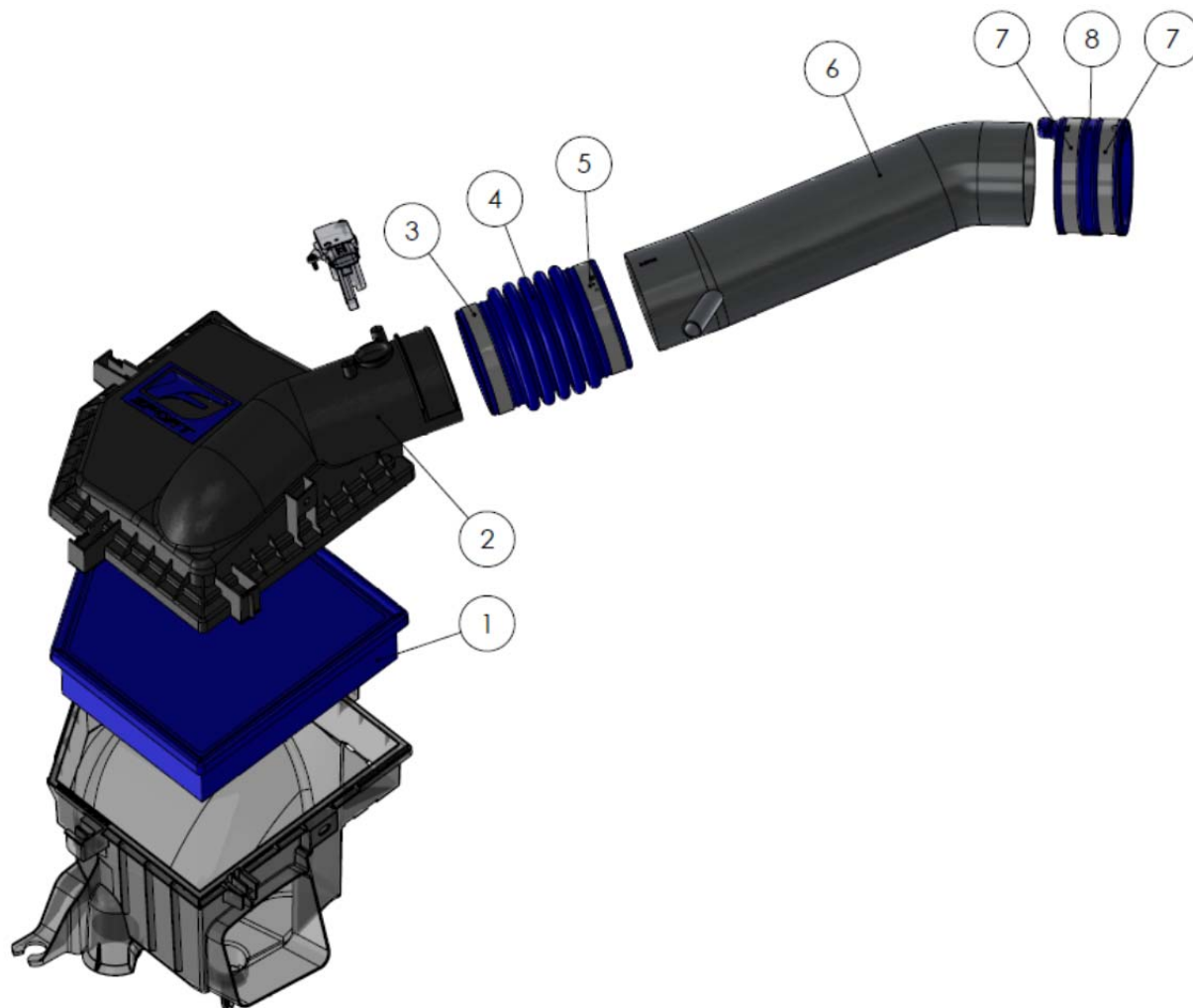
Emissions Compliance Information:

A new process has been implemented. The Emissions Label is No Longer included in the Performance Air Intake Kit.

If your state requires an Emissions Compliance Label, one may be ordered through your Lexus dealer or the Toyota Materials Distribution Center (MDC) 310-468-9800 or MDC@toyota.com

This F-Sport Performance Air Intake Kit has received 50-State Emissions Compliance via the California Air Resources Board (CARB). Not all states require the Emissions Compliance Label but F-Sport does recommend ordering one. To receive the proper Emissions Compliance Label for this F-Sport Performance Air Intake Kit, please order MDC part number **00602-53135**. Proof of ownership may be required.

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Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:-

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Please see your Lexus dealer for a copy of this document.

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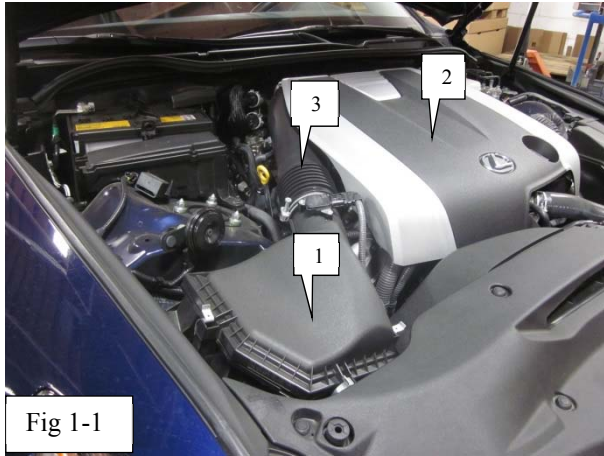


Fig 1-1

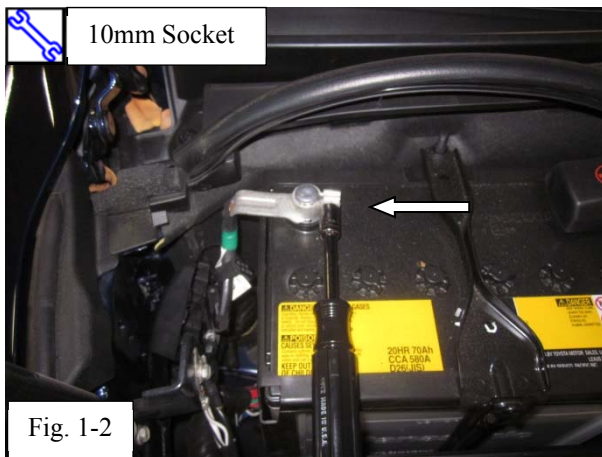


Fig. 1-2

1. Vehicle and Parts Preparation.

- (a) Check kit for contents and damage.
- (b) Completely familiarize yourself with the installation and components before beginning (Fig. 1-1).

- (1) OEM air box.
- (2) Engine cover.
- (3) Air box inlet tube.



- (c) Apply vehicle protection to prevent damage to painted surfaces.
- (d) Prior to installation, make sure all parts of the Performance Air Intake are clean and free of debris.



- (e) Loosen the M6 bolt securing the negative terminal to the battery and remove the terminal (Fig. 1-2).

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2. Remove the Factory Components.

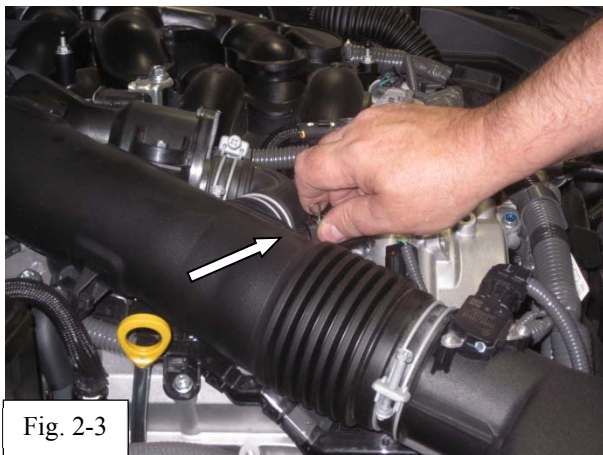
- (a) Lift straight up to remove the engine cover (Fig. 2-1).



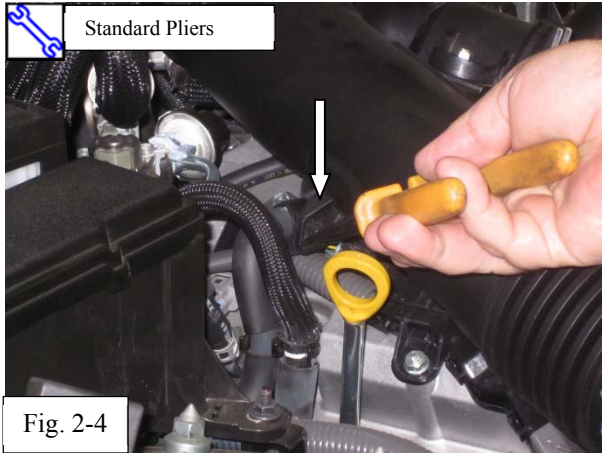
- (b) Loosen the inlet tube hose clamp at the throttle body (Fig. 2-2).



- (c) Squeeze the clamp on the PCV hose, slide it back and disconnect the hose from the inlet tube (Fig. 2-3).



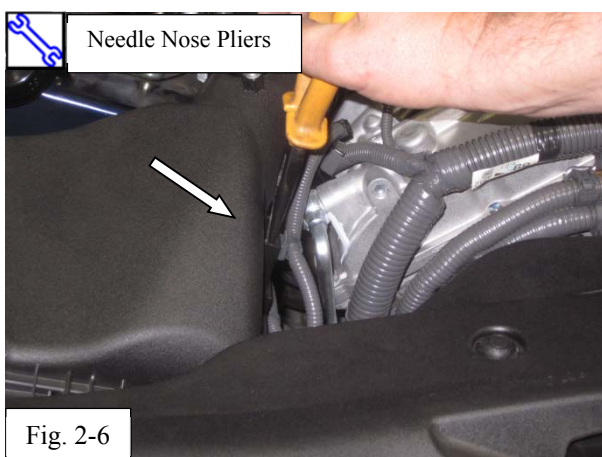
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- (d) Use standard pliers to unclip the hose from the retainer on the side of the inlet tube (Fig. 2-4).

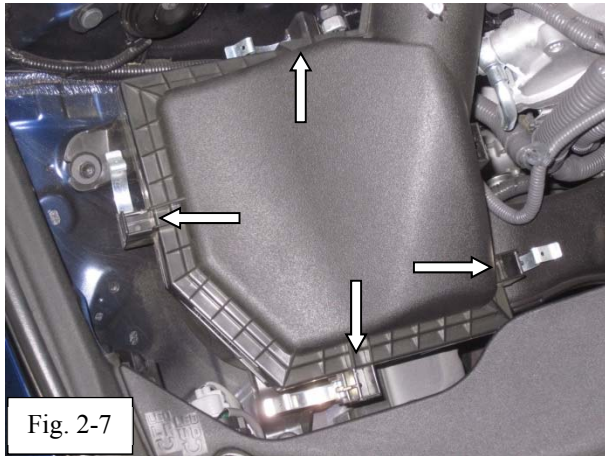


- (e) Unplug the MAF sensor (Fig. 2-5).

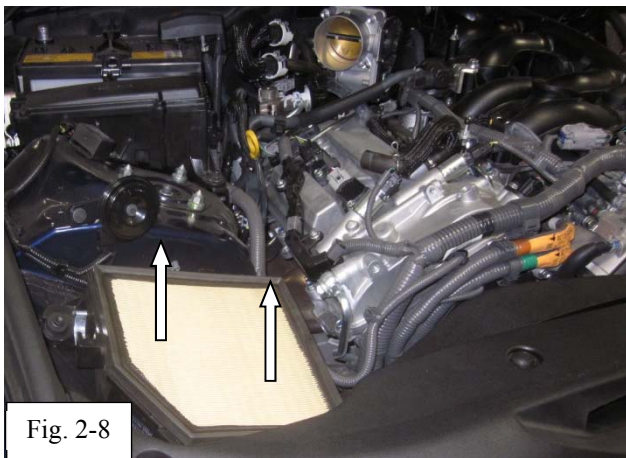


- (f) Use needle nose pliers to unclip the wiring harness from the side of the factory air box lid (Fig. 2-6).

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- (g) Unclip the four (4) retaining clips on the air box lid and remove the complete assembly (Fig. 2-7).



- (h) Lift up to remove the factory air filter (Fig. 2-8).

3. Install the F-Sport Air Intake.

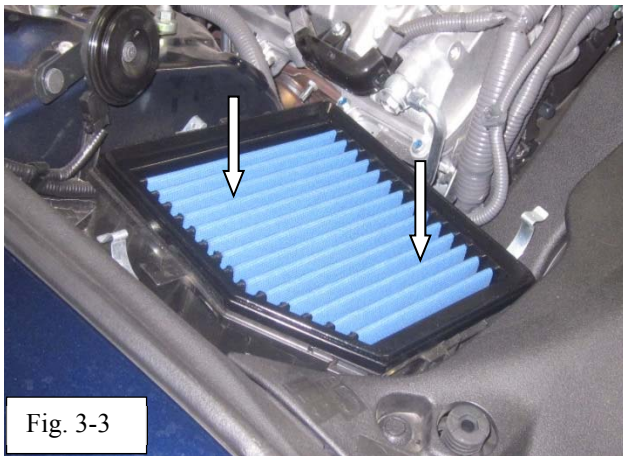


- (a) At the workbench, remove the MAF sensor from the factory air box (Fig. 3-1).

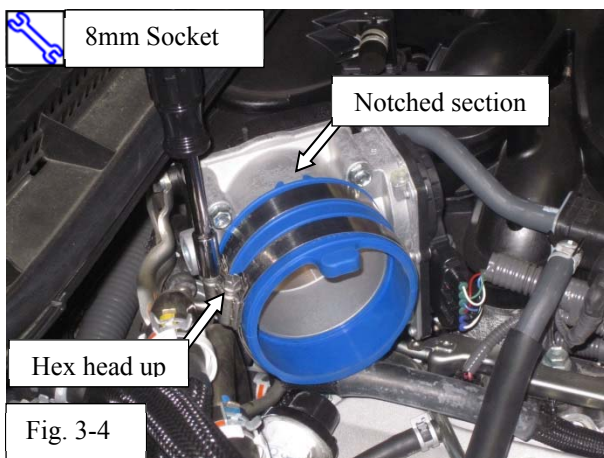
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- (b) Install the MAF sensor on the F-Sport Air Box Lid (Fig. 3-2).



- (c) Install the F-Sport filter into the lower air box housing (Fig 3-3).



- (d) Install the coupler and hose clamps on the throttle body.
- (1) Align the notched section of the coupler to the top of the throttle body (Fig. 3-4).
 - (2) Install the hose clamps such that the hex heads face up (Fig. 3-4).

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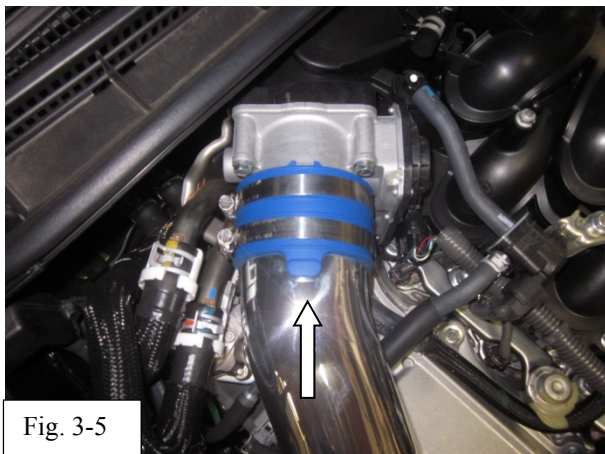



Fig. 3-5

- (e) Insert the F-Sport Intake Tube into the Coupler. **Do not tighten the hose clamp at this time** (Fig. 3-5).



Fig. 3-6

-  (f) Insert the hose clip into the retaining bracket on the F-Sport intake tube, making sure it is fully seated and snaps into place (Fig. 3-6).

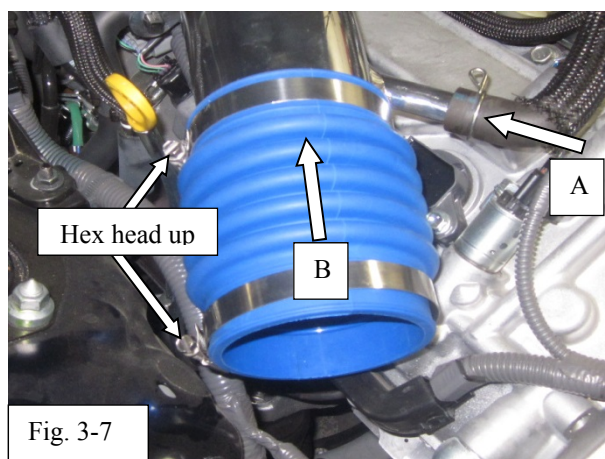

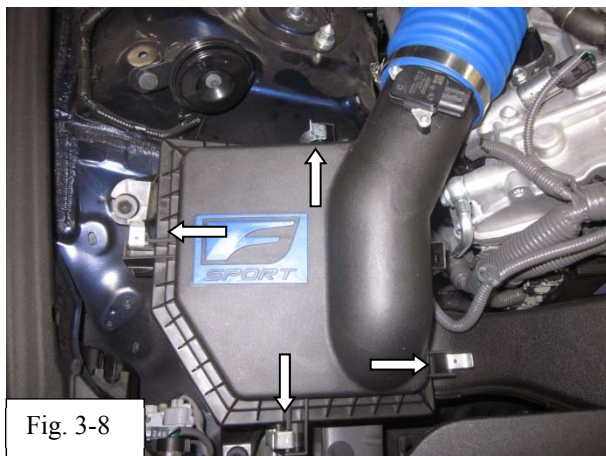


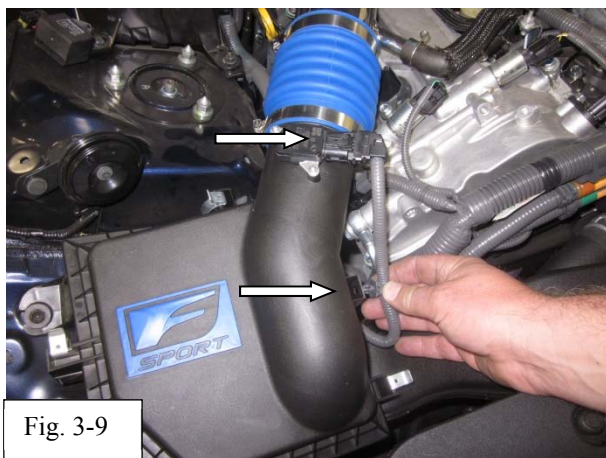
Fig. 3-7

-  (g) Attach the PCV hose to the F-Sport intake tube and secure the clamp (A, Fig. 3-7).
- (h) Install the bellows and hose clamps (B, Fig. 3-7).
- (1) Install the hose clamps such that the hex heads face up (Fig. 3-7).

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- (i) Install the F-Sport air box lid into the bellows and engage the four (4) clips to secure the F-Sport air box lid (Fig 3-8).



- ⚠ (j) Reconnect the MAF sensor and secure the wire clip to the side of the F-Sport air box (Fig. 3-9).



- ⚠ (k) Tighten the coupler and bellows hose clamps at the throttle body and air box (Fig 3-10). Torque to 3.4 Nm \pm 0.06 Nm (30 in.-lbf \pm 5in. lbf).

Torque: 3.4Nm \pm 0.06 Nm (30in. lb. \pm 5in-lbf).

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Fig. 3-11

(l) Reinstall the engine cover (Fig 3-11).

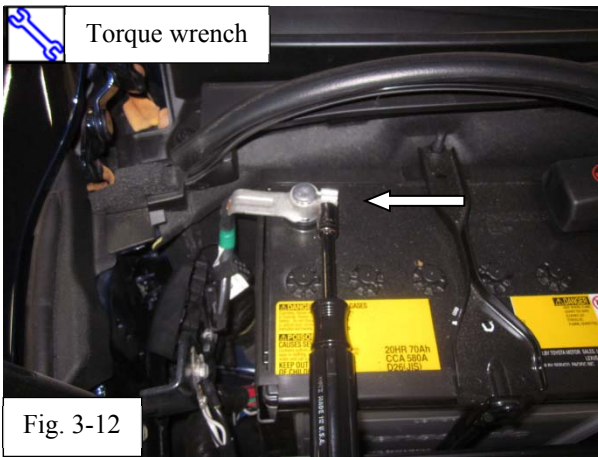




Fig. 3-12

 (m) Reconnect the negative battery terminal (Fig. 3-12). Torque to 5.4 Nm (48 in.-lbf).

 **Torque: 5.4Nm (48 in-lbf).**

(n) Apply the label.

- (1) Use a soap and water solution or a commercially available cleaner to clean the surface of the air cleaner lid before applying the label.
- (2) Rinse the surfaces with clean water and wipe dry with a clean lint free cloth.
- (3) Remove the adhesive backing from the supplied label and apply it in the location depicted in the image (Fig. 3-13).



Fig. 3-13

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Fig. 3-14

(o) A picture of the installed system is found in Fig. 3-14.

Care and Maintenance

- F-Sport Cold Air Intake Systems have a natural finish on the couplers and the air filter housing.
- To clean your F-Sport Cold Air Intake system, simply spray it with a window cleaner and wipe it off with a clean, soft terry-cloth towel.
- NEVER use harsh chemicals or metal polish on a F-Sport Cold Air Intake system. Harsh chemicals and metal polishes will permanently damage the finish.
- It is recommended that you service your F-Sport air filter element with F-Sport's filter cleaning kit (Lexus p/n PTR03-53085) at the Lexus recommended service intervals to maintain optimum performance.
- If you live in a region with extremely fine dust (arid or desert climates for example), follow the Lexus recommended service schedule for driving on dirt roads or dusty roads.

Checklist - these points **MUST** be checked to ensure a quality installation.

<u>Check:</u>	<u>Look For:</u>
<p><u>Accessory Function Checks</u></p> <p><input type="checkbox"/> Inspect the torques.</p> <p><input type="checkbox"/> Start the vehicle. If you encounter a Malfunction Indicator Lamp (MIL) after starting the vehicle or while driving, check the items to the right.</p>	<p>Coupler Hose Clamps (Throttle Body & Air Box): 3.4Nm (30 in-lbf)</p> <p>Battery Negative Terminal: 5.4Nm (48 in-lbf)</p> <p>Full engagement of the MAF sensor connector.</p> <p>Tightness of all clamps.</p> <p>Correctly installed valve cover breather hose.</p> <p>Over-oiled air filter.</p>
<p><u>Vehicle Function Checks</u></p> <p><input type="checkbox"/> Start the vehicle. If the lamp will not go off even after checking and/or repairing any of the above:</p>	<p>Contact your Toyota dealer as soon as possible.</p>
<p><u>Vehicle Appearance Check</u></p> <p><input type="checkbox"/> After accessory installation and removal of protective cover(s), perform a visual inspection.</p>	<p>Ensure no damage (including scuffs and scratches) was caused during the installation process.</p>