Donaldson
FILTRATION SOLUTIONS

INSTALLATION & SERVICE INSTRUCTIONS

PowerCore® 4x4
XHLX80K Air Cleaner Housing and Filter Kit

Donaldson Company reserves the right to change design and specifications without prior notice. Do not make any system modifications or adjustments that would alter the original design. Modifications may result in denial of warranty coverage. Consult your Donaldson representative if you have questions regarding the assembly, operation, maintenance or warranty. Illustrations are for reference only as actual product may vary.

IMPORTANT INFORMATION

	Read these instructions carefully before using this product, paying particular attention to all sections that carry warning symbols, caution symbols and notices. Ensure that these are understood at all times.
	WARNING! This symbol is used whenever there is a risk of personnel injury.
	CAUTION! This symbol is used whenever there is a risk of damaging your Donaldson product.
	NOTE: This symbol is used to provide additional information, hints and tips.

These recommended installation procedures and instructions are a partial list intended only as a guide. If you are not qualified to undertake this installation, do not attempt it as you may be liable for resulting engine failure.

Before installation, inspect product contents for any damage and ensure you have all components required.

Filter inspection during initial fitment not required. Please refrain from doing so. Removing and inspecting the element initially runs the risk of misalignment of the formed compression set on the element gasket. Warranty may be void due to misalignment of the formed compression set.

Performance enhanced vehicles, with or without a snorkel may trip the indicator prematurely due to increased restriction. This is not a true indication of remaining filter service life.

If the service indicator is tripping prematurely it is recommended to maintain a regular service interval for servicing of the air filter.

KIT CONTENTS

Please ensure that the engine is off before installation.
Remove product contents from packaging and inspect for any damage. Do not install if there is any product damage and contact Donaldson immediately.

Required Tools and equipment

- 10mm & 13mm socket and socket ratchet wrench with extension bar
- Snips or small flat head screw driver for removing Toyota housing MAFS harness clips
- Small Phillips Head Screwdriver

XHLX80K Kit Contents

	Description	Qty
Air Cleaner Assembly	Air Cleaner Housing	1
	Air Filter Element	1
	Bracket	1
	Bracket Isolators	2
	Bellow Intake Pipe	1
	Special Isolator	1
	M6 Stud Bolt	1
	Vac Valve	1
	Vac Plug	1
	45° Adaptor	1
	Restriction Indicator 30”	1
	Harness Clips	3
	Caution Label	1
Mounting Bracket Fixtures	M8 Hex Flange Nut	3
Housing Assembly Fixtures	M6 SEMS Hex Bolt	2

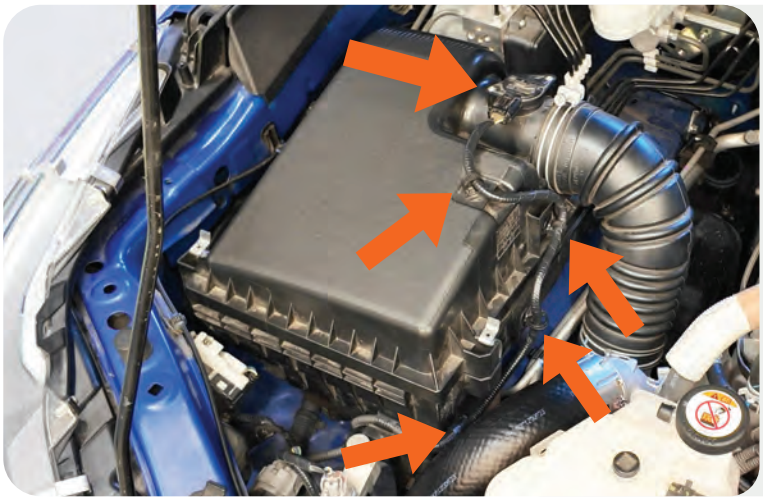
KIT COMPONENTS

1. Housing Body
2. Service Cover
3. Filter Element
4. Service Indicator
5. Bottom Mounting Bracket
6. MAF Sensor Connection

INSTALLATION

Please ensure that the engine is off before installation.

Removing the Original Equipment Air Filter Housing Assembly



Disconnect the Mass Air Flow (MAF) Sensor.

Unclip the wiring harness from the MAF sensor on the OE housing outlet.

Using a pair of snips to cut the harness clips is the easiest method to remove from the OE housing.

XHLX80K is supplied with new harness clips.

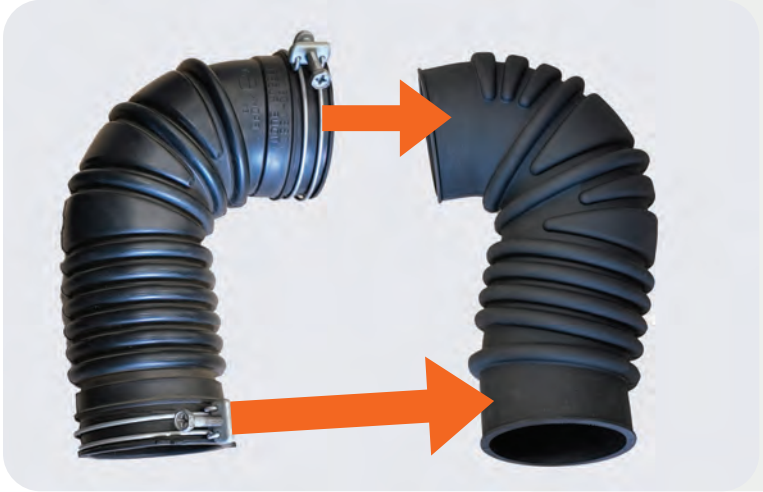
Remove the wiring harness from the OE housing.

Disconnect Intake Pipe

Clean the housing outlet and engine inlet clamp area with a clean damp cloth before loosening the clamps to remove the Bellow (intake pipe). This will reduce the risk of exposing the engine to contamination.

Loosen the clamps top and bottom of Bellow and remove from the OE housing and engine bay.

Cover the engine intake with a clean cloth to stop any contaminants getting into the engine.



Remove the clamps from the factory Bellow pipe and add to the Donaldson supplied Bellow pipe.

Remove OE Housing

Unscrew the 3 OE housing mounting screws and completely remove the housing. Those with snorkels will need to loosen the clamp at the intake before removing the housing.

Remove the MAF sensor assembly carefully by undoing the screw sets and set aside.

Remove the intake adapter and set aside (step may not be required if snorkel fits directly to intake).

Assembly and Installation Instructions

Vac Valve Option

The retrofit housing is delivered as a complete air cleaner assembly. The filter element has already been installed in the housing, no need to remove and inspect.

Insert Vac Valve or Vac Plug.

Insert either the supplied rubber Vac Valve or Vac Plug into the hole located on the bottom of the air cleaner housing.

Vac Plug Option

Please note: Your selection will be dependent on your application requirements.

Snorkels with inbuilt water separation may not require a Vac Valve to drain accumulated moisture. In this case use the Vac Plug.

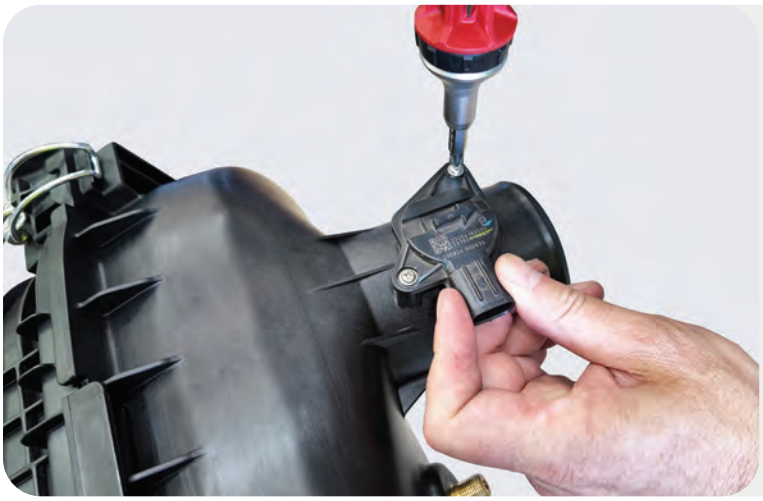
Secure the bottom mounting bracket to the air housing using the provided M8 Hex Flange Nuts. (Max torque 24nm)

Install Isolator

- Fit the isolator into the molded mounting position.
- Use a flat-head screwdriver to lever it into place if tight.

Check Rubber Isolators

- Ensure rubber isolators are properly fitted.
- If loose, remove the insert collar, fit the rubber mount, and reinsert the collar.



Installing the MAF sensor and Toyota inlet adapter to housing.

Secure the OE MAF sensor assembly to the service cover outlet using the same Toyota screws that previously secured the MAF sensor to the OE housing.

Fit the Toyota inlet adapter.

Please note: this is not required for applications that have snorkel adapters connecting directly to the intake of the air housing.

Installation of the Housing

Install the M6 Stud Bolt in the middle mounting location. (Max torque 7nm)

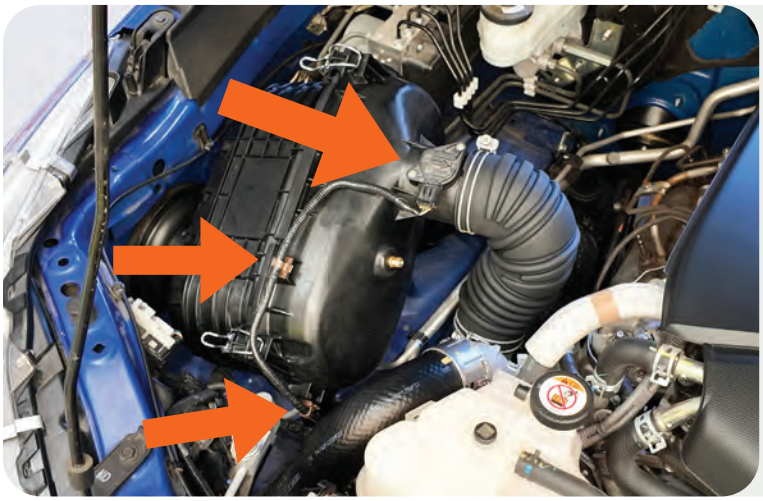
Place the housing into the engine bay and align the Special Isolator with the M6 Stud Bolt and then gently apply pressure to snap into place.

Check and align the Bracket Isolators with the mounting locations and loosely fit M6 SEMS Bolts.

If not using the Toyota adapter, align the snorkel adapter with the housing inlet and leave loose.

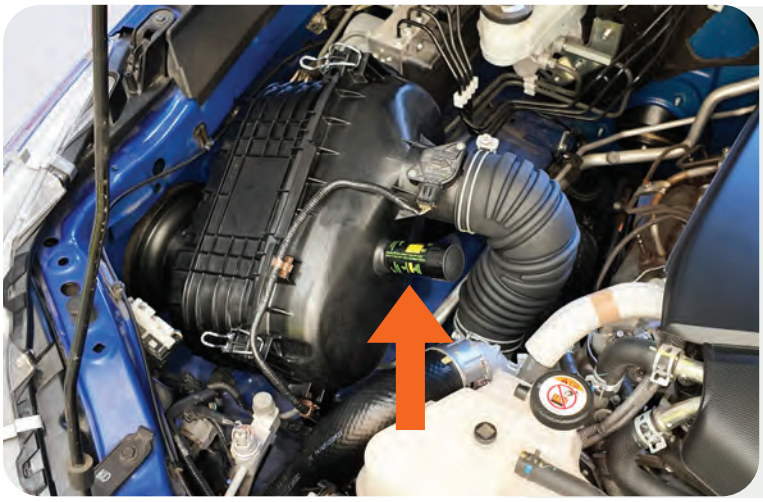
Fit the Bellow intake with the Toyota clamps (remove any cloth or rag before fitment).

Once aligned, tighten everything in this order: bottom bracket SEMS bolts (Max torque 7nm), then Bellow Clamps (top and bottom), and finally the inlet if using an alternative adapter.



Connect the MAF sensor wiring harness to the MAF sensor connection.

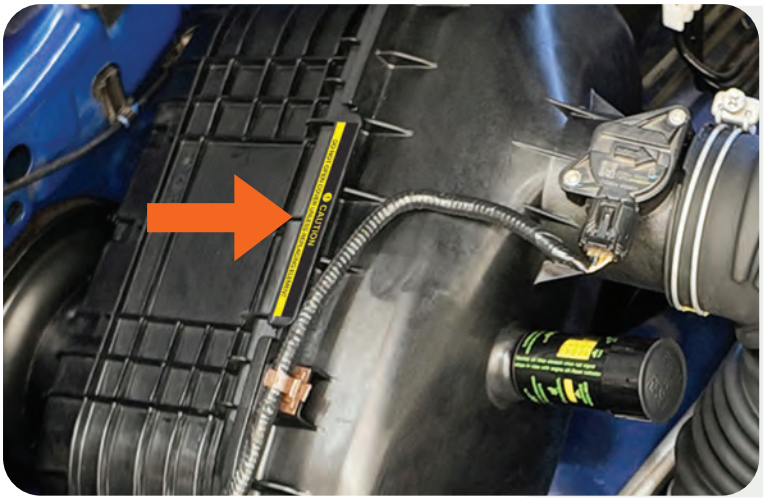
Connect the wiring harness clips.



Screw the Filter Restriction Indicator in to position (it is advised to use thread tape on the fitting prior to fitment).

Reset by pressing the end-cap button.

A 45° adapter is supplied but is not required and fitment is optional. If you do decide to fit the 45° adaptor, please use thread tape.



Install the adhesive caution label.

This label will help to remind you or your mechanic not to open the housing unless replacing the element.

SERVICE & MAINTENANCE INSTRUCTIONS

Please ensure that the engine is off before installation.
Remove product contents from packaging and inspect for any damage.
Do not install if there is any product damage and contact Donaldson immediately.

Do not open the cover unless you are replacing the element.
Removing and inspecting the element can lead to the potential misalignment of the formed compression set on the element gasket, which could void the warranty. Never try to clean the air element, even with compressed air, as this may damage the delicate fibers of the filter media and transfer contaminants to the clean side, also resulting in a voided warranty.
Remove product contents from packaging and inspect for any damage.
Do not install if there is any product damage and contact Donaldson immediately.

Air filter service life should be determined by measuring airflow restriction - not by visual inspection. Replace the filter only when the restriction level has reached the maximum recommended by the engine manufacturer or on a regular scheduled service (at least every 12 months).

Inspect service indicator

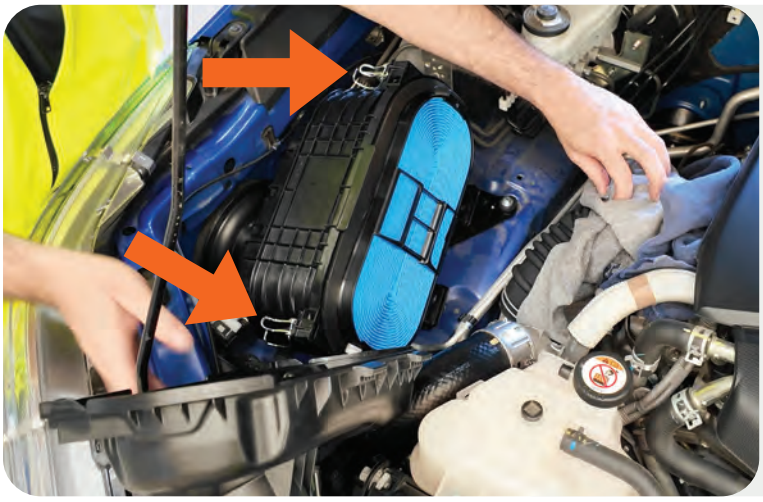
Visually inspect the 'Service When Red' gauge on the service indicator. When this section is completely red, it is time to change your air filter.

Clean the housing outlet clamp area with a damp cloth before loosening the clamp.

This will reduce exposing the engine to contamination.

Loosen clamps at the engine intake and housing outlet.

Remove piping from the air housing outlet and turn 90-120° out of the way. Cover piping with a clean cloth to stop contaminant getting through to the engine.



Release the 2 cover latches, tilt service cover forward to remove from housing body and set aside.

Holding the centre handle, remove the filter element from housing.

Remove filter element from housing.

After removing the filter, wipe the air cleaner housing interior and seal surface with a clean, damp cloth.

Inspect Vac Valve or Vac Plug. If broken or missing, replace it.

Insert the filter element into the housing, locating the tabs of the housing to the pockets of the element until the gasket contacts the housing. Correct positioning is achieved when gasket is sitting flat on the housing sealing surface.

Take extra care to ensure the element is seated correctly in position and the urethane seal is sitting flat on the housing sealing surface.

Place the service cover in position and fasten the metal latches. If the cover doesn't align correctly, remove and re-check the filter position and service cover placement.

Take care to align the cover correctly. There should be minimum resistance when fitting the cover if everything is aligned properly.

Reconnect the intake tubing to the housing outlet.

Align the tubing and secure the clamps.

Reset the service indicator by pressing the top cap button.

Stay connected with the latest in 4x4 filtration by joining the PowerCore XHLX80K mailing list.

Be the first to hear about new product updates, upcoming events, and industry news.

Simply scan the QR code to register and receive exclusive access to all things PowerCore 4x4.

FILTER CHANGE HISTORY

DATE: ODOMETER:

DATE: ODOMETER:

DATE: ODOMETER:

DATE: ODOMETER:

DATE: ODOMETER:

DATE: ODOMETER:

Why Choose Donaldson?

PERFORMANCE
First-fit choice of leading equipment manufacturers around the world.

INNOVATION
Continuous development of new technologies to meet changing filtration needs.

RELIABILITY
Comprehensive warranty covering our filters and your equipment.

QUALITY
The foundational principle driving the design, manufacture and delivery of every product.

SUPPORT
Knowledgeable technical support specialists available when you need them.

AVAILABILITY
Innovative, reliable distribution partners providing local support.

Donaldson
FILTRATION SOLUTIONS

Donaldson Australasia Pty Ltd
PO Box 153, Wyong NSW 2259

Ph: +61 2 4350 2000
Fax: +61 2 4351 2036

Donaldson New Zealand

Ph: +64 9 579 2790
Fax: +64 9 579 0322

www.donaldson.com

P904440 (10/25)
© 2025 Donaldson Company, Inc. All rights reserved. Donaldson Company, Inc. reserves the right to change or discontinue any model or specification at any time and without notice. Printed in Australia.