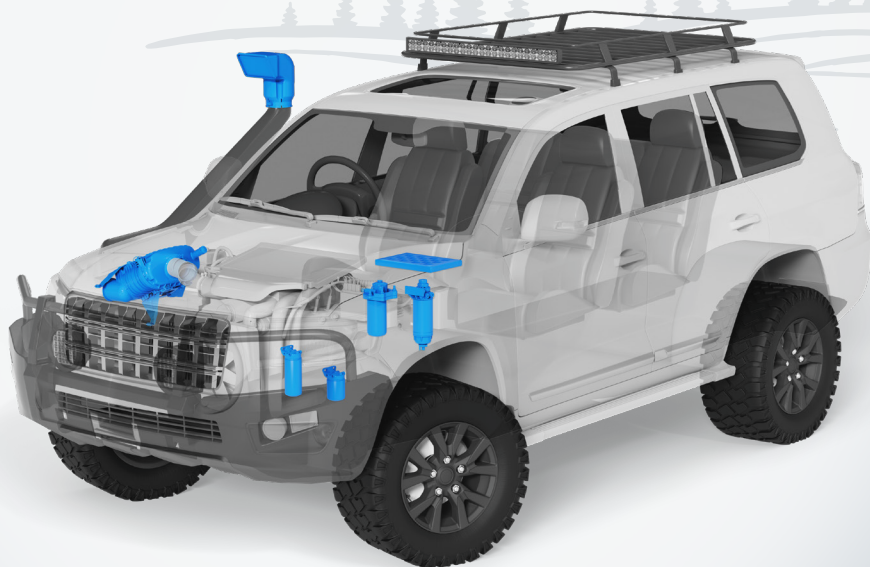


**4X4**

## **4WD FILTER KITS**

Industry Leading Heavy-Duty Filtration  
for On and Off-Road Diesel Engines



## Experts in Diesel Filtration

### INDUSTRY LEADING HEAVY-DUTY FILTRATION

■ ■ ■ Reduce down time, improve or maintain engine performance and extend the lifespan of your engine.

■ ■ ■ Advanced filtration technology that sets industry standards. Trusted by OEM's. Preferred by professionals.

■ ■ ■ Extensive warranty with comprehensive coverage and backed up by a field-support team.

■ ■ ■ Backed up by a customer support team built on experience and know-how.

When the journey is just as important as the destination, don't let contamination stop you in your tracks.

Effective filtration is one of the most critical parts of a proper servicing and maintenance program for 4WD vehicles. 4x4 filters need to be designed specifically for rugged environments and need to withstand the harshest demands.

Donaldson is the trusted filtration brand for on and off-road enthusiasts. For over 100 years, Donaldson have been developing leading filtration technology that performs under the most demanding conditions.

# The Proof is in the Performance



## Your Guarantee of Reliability

### BACKED BY A FULL WARRANTY



Filters are an important part of any effective vehicle servicing practice. They need to withstand harsh demands, whether travelling on or off-road.

Donaldson Filters are built to the highest standard utilising quality materials. Every item in our extensive range meets or exceeds OEM Specifications and is backed by a full warranty for complete peace of mind.

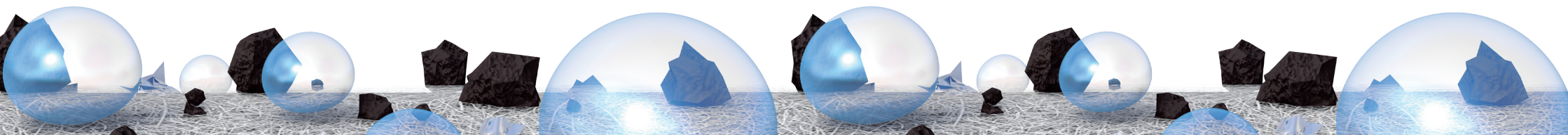
For more information visit [donaldson.com/4WD](https://donaldson.com/4WD)

4WD Kit	4WD Kit + Cabin Air	Make	Model	Engine	Year	Air Filter	Oil Filter	Fuel Filter	Cabin Air Filter
X900086		Chevrolet	Silverado Duramax	6.6L V8 Turbo Diesel	2011 - 2017	P633749**	P550518. P550606 <sup>+</sup>	P550833	-
X900080		Ford	F Series	6.7L V8 Turbo Diesel	2011 onwards	P621023	P502503	P550948	-
X902855		Ford	Ranger PJ, PK	2.5L, 3.0L Turbo Diesel	12/06 - 06/12	P902609	P550335	P550385	-
X900058	X900145	Ford	Ranger PX, Everest	P4AT 2.2L, P5AT 3.2L	09/11 onwards	P506075	P506088	P506093	P903479
X900190	X900191	Ford	Ranger PX3, Everest	YN2S 2.0L	2018 onwards	P903809	P506088	P506180	P903479
X902857		Holden	Rodeo RA	3.0L Turbo Diesel 4JJ1	01/07 - 06/08	P506007	P506008	P506009	-
X902857		Holden	Colorado RC	3.0L Turbo Diesel 4JJ1	06/08 - 05/12	P506007	P506008	P506009	-
X900126	X900146	Holden	Colorado RG	2.5L Turbo Diesel	06/12 onwards	P506074	P506087	P506157 x2	P903509
X900126	X900146	Holden	Colorado RG	2.8L Turbo Diesel Duramax 2	06/12 onwards	P506074	P506087	P506157 x2	P903509
X902857		Isuzu	D-Max	3.0L Turbo Diesel 4JJ1	06/08 - 05/12	P506007	P506008	P506009	-
X900051	X900147	Isuzu	D-Max	3.0L Turbo Diesel 4JJ1 TC, 4JJ3TC	07/12 onwards	P903455	P506082	P505973	P903509
X900051	X900147	Isuzu	MU-X	3.0L Turbo Diesel 4JJ1 TC	07/12 onwards	P903455	P506082	P505973	P903509
X902855		Mazda	BT50 WL-AT, WE-AT	2.5L, 3.0L Turbo Diesel	12/06 - 06/12	P902609	P550335	P550385	-
X900058	X900145	Mazda	BT50 UPOY, UR	P4AT 2.2L, P5AT 3.2L	08/11 - 08/20	P506075	P506088	P506093	P903479
X900051	X900147	Mazda	BT50 TF	3.0L Turbo Diesel 4JJ3TC	09/20 onwards	P903455	P506082	P505973	P903509
X900048	X900148	Mitsubishi	Challenger PB, PC	2.5L Turbo Diesel 4D56 Common Rail	07/08 - 12/15	P506010	P550406	P506011	P903625
X902854		Mitsubishi	Pajero NS, NT, NW, NX	3.2L Turbo Diesel 4M41	10/06 onwards	P505999	P502008	P550385	-
X900107	X900149	Mitsubishi	Pajero QE	2.4L Turbo Diesel 4N15 Common Rail	01/15 onwards	P903677	P502007	P506093	P903749
X902858		Mitsubishi	Triton ML	3.2L Turbo Diesel 4M41 Common Rail	07/06 - 06/09	P506010	P502008	P506011	P903625
X900048	X900148	Mitsubishi	Triton ML, MN	2.5L Turbo Diesel 4D56 Common Rail	07/08 - 12/14	P506010	P550406	P506011	P903625
X900107	X900151	Mitsubishi	Triton MQ, MR	2.4L Turbo Diesel 4N15 Common Rail	01/15 onwards	P903677	P502007	P506093	P903509
X902853		Nissan	Navara D22	3.0L Turbo Diesel ZD30DDT	12/01 - 10/05	P505998	P505978	P551351	-
X900084		Nissan	Navara D22	2.5L Turbo Diesel YD25DDTi	2007 - 2014	P505998	P550318	P551351	-
X903285		Nissan	Navara D40 (Vin:MNT...)	2.5L Turbo Diesel YD25DDTi	2005 - 2014	P506065	P550939	P551351	-
X900095		Nissan	Navara D40 (Vin: VSK...) + Pathfinder	2.5L Turbo Diesel YD25DDTi	2006 - 2015	P903540	P550318	P506146	P903527
X902758		Nissan	Patrol GQ, RX	4.2L Diesel TD42	11/87 - 12/97	DBA5162 • P505192	P557780 x2	P551351	-
X902765		Nissan	Patrol GU	4.2L Diesel TD42	12/97 - 2003	P505192	P557780 x2	P551351	-

• Upgraded to high efficiency Donaldson Blue® Ultra-Web® media

4WD Kit	4WD Kit + Cabin Air	Make	Model	Engine	Year	Air Filter	Oil Filter	Fuel Filter	Cabin Air Filter
X902856		Nissan	Patrol GU	4.2L Turbo Diesel TD42T	05/99 - 01/07	DBA5160 •	P557780, P502068	P551351	-
X902759		Nissan	Patrol GU II, III, IV	4.2L Turbo Diesel TD42T	01/00 - 02/07	DBA5160 •	P557780 x2	P551351	-
X902760		Nissan	Patrol GU II, III, IV	3.0L Turbo Diesel ZD30DDTI	04/00 - 03/07	DBA5160 •	P505978	P551351	-
X900091		Nissan	Patrol GU, V, VI, VII, VIII	3.0L Turbo Diesel ZD30DDTI	2007 - 2016	DBA5160 •	P505978	P506116	-
X902717		Toyota	Hilux	2.4L 2L Diesel	1984 - 1988	DBA5141 •	P550008	P550385	-
X902717		Toyota	Hilux	2.2L L Diesel	1985 - 1988	DBA5141 •	P550008	P550385	-
X902717		Toyota	Hilux	2.8L 3L Diesel	1988 - 1997	DBA5141 •	P550008	P550385	-
X902721		Toyota	Hilux LN147 S2, LN167 S2, LN172 S2	3.0L 5LE Diesel	09/00 - 2005	DBA5161 •	P550413	P505952	-
X902716	X900154	Toyota	Hilux KUN16, KUN26	3.0L 1KD FTV Common Rail	04/05 - 2015	P902609	P550335	P505973	P506079
X900069	X900155	Toyota	Hilux KUN16, KUN26	3.0L 1KD FTV Common Rail	2015 onwards	P902609	P550335	P506093	P506079
X900089	X900156	Toyota	Hilux GUN, Fortuna GUN	2.4L 2GD FTV, 2.8L 1GD FTV	10/15 onwards	P903541	P550335	P506115	P903539
X902718		Toyota	LandCruiser 70 Series	4.2L Diesel 1HD-FTE HDJ79	2001 - 2007	DBA5110 •	P550413	P550385, P551339	-
X902718		Toyota	LandCruiser 70 Series	4.2L Diesel 1HZ	01/90 - 10/02	DBA5110 •	P550413	P550385, P551339	-
X900064		Toyota	LandCruiser 70 Series	4.2L Diesel 1HZ "Mine Spec"	01/90 onwards	DBA5110	P550413	P506036	-
X902750	X900157	Toyota	LandCruiser 79 Series	4.5L V8 Turbo Diesel 1VD-FTV Common Rail	03/08 - 08/19	P505983	P505988	P506036	P903696
X900205	X900206	Toyota	LandCruiser 79 Series	4.5L V8 Turbo Diesel 1VD-FTV Common Rail	09/19 onwards	P505983	P505988	P506181	P903696
X902859		Toyota	LandCruiser 80 Series	4.2L Turbo/Non Turbo Diesel 1HZ	01/90 - 02/98	DBA5110 •	P550413	P550385	-
X902859		Toyota	LandCruiser 80 Series	4.2L Turbo/Non Turbo Diesel 1HD-T & 1HD-FT	11/01 - 02/07	DBA5110 •	P550413	P550385	-
X902720		Toyota	LandCruiser 100 Series	4.2L Turbo Diesel 1HD-FTE	10/00 - 10/07	DBA5166 •	P550413	P505952	-
X902719		Toyota	LandCruiser 105 Series	4.2L Diesel 1HZ	03/98 - 10/05	DBA5140 •	P550413	P550385	-
X903083	X900158	Toyota	LandCruiser 200 Series	4.5L V8 Turbo Diesel 1VD-FTV Common Rail	11/07 - 04/19	P506035	P505988	P506036	P506079
X900207	X900208	Toyota	LandCruiser 200 Series	4.5L V8 Turbo Diesel 1VD-FTV Common Rail	05/19 onwards	P506035	P505988	P506181	P506079
X902764		Toyota	LandCruiser Prado KZJ120R	3.0L Turbo Diesel 1KZ-TE	11/03 - 10/06	P505979	P550413	P505952	P903528
X902763	X900160	Toyota	LandCruiser Prado KDJ120, 1KDJ150	3.0L Turbo Diesel 1KD-FTV Common Rail	11/06 - 07/15	P505983	P550335	P550385	P506079
X900094	X900161	Toyota	LandCruiser Prado GDJ150R	2.8L Turbo Diesel 1GD-FTV Common Rail	08/15 onwards	P903640	P550335	P506110	P506079

• Upgraded to high efficiency Donaldson Blue® Ultra-Web® media



## Protect Your Investment

### WITH ADDITIONAL PRIMARY FILTRATION FOR SEVERE OPERATING CONDITIONS

Worn fuel pumps and failed injectors can quickly ruin both your day and your budget. Donaldson Diesel Fuel Filter Kits protect your engine by ensuring clean, filtered fuel, helping to prevent costly repairs and keep your vehicle running smoothly.

Dirt and water are the enemies of fuel systems and can dramatically reduce the service life of fuel system components. If your vehicle operates in extreme conditions, or where fuel cleanliness is uncertain, we recommend the installation of additional primary fuel filtration to provide added engine protection.



- ■ ■ Ideal for many 4WD and heavy-duty applications
- ■ ■ Includes bonus filter element - keep one in the vehicle as a spare for emergencies
- ■ ■ Supports flow range up to 245 lph
- ■ ■ High-efficiency versions available

## Added Protection

### FOR HIGH PRESSURE COMMON RAIL ENGINES



### HEAVY-DUTY DIESEL FUEL FILTRATION KITS

Operating Pressure 80 psi / 550 kPa / 5.5 bar  
Operating Temperature -40°C to 121°C

Part No	Flow Rate	Head Assembly	Replacement Filter Part No	Fittings	Bowl	WIF Sensor*
<b>3µm HIGH EFFICIENCY DIESEL FUEL FILTER KIT (B<sub>3</sub> = 100 (99% @ 3 micron))</b>						
P903316	114 lph	1/4" - 18 NPTF	P551615	2 x Straight Fitting 1 x Right-Angle Fitting	•	X220112
X900167	220 lph	M14 x 1.5 Priming Pump	P581681	2 x Straight Fitting	•	X220112
X900169	245 lph	M14 x 1.5	P581681	2 x Straight Fitting	•	X220112
<b>11µm DIESEL FUEL FILTER KIT (B<sub>11</sub> = 100 (99% @ 11 micron))</b>						
P902976	114 lph	1/4" - 18 NPTF	P550588	2 x Straight Fitting 1 x Right-Angle Fitting	•	X220112

\* Optional Upgrade



### INDICATORS (optional)

Part No	Description	Comments
X220052	M12 x 1.5 Visual, Stepped	4 Steps to 5 psi / 34 kPa
X220057	M12 x 1.5 Electrical	Set point 5 psi / 34 kPa
P506153	M12 - M14 Adaptor	

Restriction Indicators for installation on SUCTION side of head assembly in suction applications.



FITS ALL  
DONALDSON  
TWIST&DRAIN™  
FUEL FILTERS

## WATER IN FUEL SENSOR LED DISPLAY KIT

Donaldson's Water in Fuel Sensor & Display Kit gives a visual warning when separated water is present in the filter and needs draining. The kit contains a drain valve with electrical plug, wiring loom and adjustable dash mount LED display.

Part No.	Power Supply	Dashmount Display Size
X220112	6V to 30V DC	66.3mm (w) x 50mm (h) x 15.4mm (d)

## PowerCore® 4x4 Filtration Technology

### THE PROOF IS IN THE PERFORMANCE

- Superior Engine Protection
- 99.99% Efficiency
- Improved Performance
- Unique Sealing Technology
- Compact Design
- Easy Installation

Donaldson PowerCore® 4x4 Air Cleaner Housing + Filter Kit for diesel Toyota LandCruiser 200 Series engines delivers quality, reliable filtration - even in the toughest conditions.

With 3x more effective filtration area than the OEM panel filter, PowerCore® 4x4 delivers more than 30% lower initial restriction at the same airflows.

Using ISO5011 test standard, Donaldson PowerCore® 4x4 filters also deliver 99.99% efficiency, compared to 99.87% efficiency for OEM panel filters resulting in significantly more engine protection.

The XLC200K offers high efficiency filtration in a single, compact unit delivering superior protection and performance.

## AIR CLEANER HOUSING + FILTER KIT

### XLC200K Kit Contents

Description	Qty
PowerCore® 4x4 Air Cleaner Housing	1
PowerCore® 4x4 Air Filter	1
Fastener Kit	1
Mounting Brackets	2



## Frequently Asked Questions

### ENSURING SYSTEM PROTECTION

#### Where should I install additional filtration?

We recommend that additional filtration should be considered as the primary filter and installed before the factory filter, which should be retained as originally fitted. It can be fitted in any location that offers easy access to view the water collection bowl and to change the filter. Most modern vehicles employ a return loop fuel system, where fuel is delivered to the factory fitted filter. The engine draws what it requires and the rest is returned to the tank. By installing additional filtration before the factory filter, all the fuel in the tank is being continually filtered. Leaving the fuel system from the factory filter to the engine unaltered, minimises any effect on sensitive engine management systems. This also ensures the fuel reaching the factory fitted filter is as clean as the vehicle manufacturer specifies.

#### What else do I need to install additional filtration?

Some vehicles can benefit from an additional in-line fuel pump to help boost the fuel flow. Use a good quality pump for reliability and long life.

#### Are there any points to consider when installing an additional filter?

The additional filter needs to be capable of delivering an adequate fuel flow rate for your engine. Ensure there are no tight bends in the fuel lines and do not position them too close to hot exhaust components. All fuel hose connections need to be fuel and air tight. It is good practice to use a fuel-proof thread sealant or O-ring seals on hose fittings where they screw into the filter head assembly. Many fuel systems operate in vacuum. A leak may result in air being drawn into fuel lines causing engine misses or making it hard to start.

#### I've been handling diesel the same way for years without any issues, why should I change what I am doing?

Depends on what you're driving. If you drive an older technology (pre-common rail) vehicle, then you can probably continue to do what you've always done. However, if you have a newer technology (such as a common rail) vehicle, or are planning to get one then you will have to be more careful with where and how you refuel.

For more  
information on how to  
get the most out of your  
4WD filtration, visit  
[donaldson.com/4WD](http://donaldson.com/4WD)



# 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.

To read more about our 4WD Filtration Solutions  
scan the code or visit [donaldson.com/4WD](http://donaldson.com/4WD)



**Donaldson.**  
FILTRATION SOLUTIONS

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