



Donaldson[®]
FILTRATION SOLUTIONS

4WD FILTER KITS

INDUSTRY LEADING HEAVY-DUTY FILTRATION
FOR ON & OFF-ROAD DIESEL ENGINES



Innovative filtration solutions

Industry leading heavy-duty filtration for on and off-road diesel engines.



When the journey is just as important as the destination, don't let contaminants stop you in your tracks. Donaldson is the trusted filtration brand for on and off-road enthusiasts. For over 100 years, Donaldson has been developing leading filtration technology that performs under the most demanding conditions.

- ▶ Reducing down time, improving or maintaining engine performance and extending the lifespan of your engine.
- ▶ Advanced filtration technology setting industry standards. Trusted by OEMs, preferred by professionals.
- ▶ Extensive warranties with comprehensive coverage backed up by a highly professional field-support team.
- ▶ Customer support built on experiences and know-how.
- ▶ Multiple kit options available;
4WD Kit - Air, Fuel & Oil filters
4WD inc Cabin Air - Air, Fuel, Oil & Cabin filters
Twin Pack - Fuel & Oil filters only



Your guarantee of reliability
Every item in our extensive range meets or exceeds OEM specifications. We back this up with our own committed technical and customer support services. All our products come with a full guarantee for complete peace of mind.

CHOOSING
DONALDSON FILTERS
WILL NOT VOID YOUR
ENGINE WARRANTY.



DONALDSON Heavy Duty 4WD Filter Kits

4WD Kit	4WD Kit inc Cabin Air	Liquid Twin Pack	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*	P550833	-
X900080			Ford	F Series	6.7L V8 Turbo Diesel	2011 onwards	P621023	P502503	P550948	-
X902855		X900039	Ford	Ranger PJ, PK	2.5L, 3.0L Turbo Diesel	12/06 - 06/12	P902609	P550335	P550385	-
X900058	X900145	X900059	Ford	Ranger PX, Everest	P4AT 2.2L, P5AT 3.2L	09/11 onwards	P506075	P506088	P506093	P903479
X902857		X900036	Holden	Rodeo RA	3.0L Turbo Diesel 4JJ1	01/07 - 06/08	P506007	P506008	P506009	-
X902857		X900036	Holden	Colorado RC	3.0L Turbo Diesel 4JJ1	06/08 - 05/12	P506007	P506008	P506009	-
X900126	X900146	X900127	Holden	Colorado RG	2.5L Turbo Diesel	06/12 onwards	P506074	P506087	P506157 x 2	P903509
X900126	X900146	X900127	Holden	Colorado RG	2.8L Turbo Diesel DURAMAX 2	06/12 onwards	P506074	P506087	P506157 x 2	P903509
X902857		X900036	Isuzu	D-Max	3.0L Turbo Diesel 4JJ1	06/08 - 05/12	P506007	P506008	P506009	-
X900051	X900147	X900032	Isuzu	D-Max	3.0L Turbo Diesel 4JJ1 TC, 4JJ3TC	07/12 onwards	P903455	P506082	P505973	P903509
X900051	X900147	X900032	Isuzu	MU-X	3.0L Turbo Diesel 4JJ1 TC	07/12 onwards	P903455	P506082	P505973	P903509
X902855		X900039	Mazda	BT50 WL-AT, WE-AT	2.5L, 3.0L Turbo Diesel	12/06 - 06/12	P902609	P550335	P550385	-
X900058	X900145	X900059	Mazda	BT50 UP0Y, UR	P4AT 2.2L, P5AT 3.2L	08/11 - 08/20	P506075	P506088	P506093	P903479
X900051	X900147	X900032	Mazda	BT50 TF	3.0L Turbo Diesel 4JJ3TC	09/20 onwards	P903455	P506082	P505973	P903509
X900048	X900148	X900033	Mitsubishi	Challenger PB, PC	2.5L Turbo Diesel 4D56 Common Rail	07/08 - 12/15	P506010	P550406	P506011	P903625
X902854		X900038	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	X900163	X900035	Mitsubishi	Triton ML	3.2L Turbo Diesel 4M41 Common Rail	07/06 - 06/09	P506010	P502008	P506011	P903625
X900048	X900148	X900033	Mitsubishi	Triton ML, MN	2.5L Turbo Diesel 4D56 Common Rail	07/08 - 12/14	P506010	P550406	P506011	P903625
X900061	X900150	X900062	Mitsubishi	Triton MQ	2.5L Turbo Diesel 4D56 Common Rail	01/15 onwards	P506010	P550406	P506093	P903625
X900107	X900151		Mitsubishi	Triton MQ, MR	2.4L Turbo Diesel 4N15 Common Rail	01/15 onwards	P903677	P502007	P506093	P903509
X902853		X900040	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		X900034	Nissan	Navara D40 (Vin:MNT...)	2.5L Turbo Diesel YD25DDTi	2005 - 2014	P506065	P550939	P551351	-
X900095	X900152		Nissan	Navara D40 (Vin: VSK...)	2.5L Turbo Diesel YD25DDTi	2006 - 2015	P903540	P550318	P506146	P903527
X902758		X900041	Nissan	Patrol GQ, RX	4.2L Diesel TD42	11/87 - 12/97	DBA5162 • P505192	P557780 x2	P551351	-
X902765		X900041	Nissan	Patrol GU	4.2L Diesel TD42	12/97 - 2003	P505192	P557780 x2	P551351	-
X902856		X900037	Nissan	Patrol GU	4.2L Turbo Diesel TD42T	05/99 - 01/07	DBA5160 •	P557780, P502068	P551351	-

• This air filter has been upgraded to high efficiency Donaldson Blue® Ultra-Web® media.

+ Transmission Filter, ** Donaldson Cabin/Air Filters are sold separately

DONALDSON Heavy Duty 4WD Filter Kits

4WD Kit	4WD Kit inc Cabin Air	Liquid Twin Pack	Make	Model	Engine	Year	Air Filter	Oil Filter	Fuel Filter	Cabin Air Filter
X902759		X900041	Nissan	Patrol GU II, III, IV	4.2L Turbo Diesel TD42T	01/00 - 02/07	DBA5160 •	P557780 x2	P551351	
X902760		X900040	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		X900046	Toyota	Hilux	2.4L 2L Diesel	1984 - 1988	DBA5141 •	P550008	P550385	-
X902717		X900046	Toyota	Hilux	2.2L L Diesel	1985 - 1988	DBA5141 •	P550008	P550385	-
X902717		X900046	Toyota	Hilux	2.8L 3L Diesel	1988 - 1997	DBA5141 •	P550008	P550385	-
		X900044	Toyota	Hilux KZN165	3.0L Turbo Diesel 1KZ-TE	12/99 - 04/05	DBA5161** •	P550413	P550385	-
		X900046	Toyota	Hilux LN147, LN167, LN172	3.0L 5L Diesel	09/97 - 2000	DBA5161** •	P550008	P550385	-
X902721		X900043	Toyota	Hilux LN147 S2, LN167 S2, LN172 S2	3.0L 5LE Diesel	09/00 - 2005	DBA5161 •	P550413	P505952	-
X902716	X900154	X900047	Toyota	Hilux KUN16, KUN26	3.0L 1KD FTV Common Rail	04/05 - 2015	P902609	P550335	P505973	P506079
X900069	X900155	X900070	Toyota	Hilux KUN16, KUN26	3.0L 1KD FTV Common Rail	2015 onwards	P902609	P550335	P506093	P506079
X900089	X900156	X900090	Toyota	Hilux GUN, Fortuna GUN	2.4L 2GD FTV, 2.8L 1GD FTV	10/15 onwards	P903541	P550335	P506115	P903539
X902718		X900045	Toyota	Landcruiser 70 Series	4.2L Diesel 1HD-FTE HDJ79	2001 - 2007	DBA5110 •	P550413	P550385, P551339	-
X902718		X900045	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	X900042	Toyota	Landcruiser 79 Series	4.5L V8 Turbo Diesel 1VD-FTV Common Rail	03/08 - 08/19	P505983	P505988	P506036	P903696
X902859		X900044	Toyota	Landcruiser 80 Series	4.2L Turbo/Non Turbo Diesel 1HZ	01/90 - 02/98	DBA5110 •	P550413	P550385	-
X902859		X900044	Toyota	Landcruiser 80 Series	4.2L Turbo/Non Turbo Diesel 1HD-T & 1HD-FT	11/01 - 02/07	DBA5110 •	P550413	P550385	-
X902720		X900043	Toyota	Landcruiser 100 Series	4.2L Turbo Diesel 1HD-FTE	10/00 - 10/07	DBA5166 •	P550413	P505952	-
X902719		X900044	Toyota	Landcruiser 105 Series	4.2L Diesel 1HZ	03/98 - 10/05	DBA5140 •	P550413	P550385	-
X903083	X900158	X900042	Toyota	Landcruiser 200 Series	4.5L V8 Turbo Diesel 1VD-FTV Common Rail	11/07 - 04/19	P506035	P505988	P506036	P506079
		X900043	Toyota	Landcruiser Prado KZJ95R	3.0L Turbo Diesel 1KZ-TE	03/00 - 02/03	DBA5140** •	P550413	P505952	-
X902764	X900159	X900043	Toyota	Landcruiser Prado KZJ120R	3.0L Turbo Diesel 1KZ-TE	11/03 - 10/06	P505979	P550413	P505952	P903528
		X900044	Toyota	Landcruiser Prado KZJ120R	3.0L Turbo Diesel 1KZ-TE	02/04 - 10/06	P505979**	P550413	P550385	P903528
X902763	X900160	X900039	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
X900106	X900162		Volkswagen	Amarok	2.0L Turbo Diesel TDI 400, TDI 420	2014 onwards	P903531	P506104	P506117	P903530

• This air filter has been upgraded to high efficiency Donaldson Blue® Ultra-Web® media
 * Available only for LN147 Thai manufactured vehicles
 ** Donaldson Cabin/Air Filters are sold separately, unless 4WD inc Cabin Air kit is purchased

The most comprehensive online site for searching filters and parts for your application.

shop.donaldson.com

Protect your investment

With additional primary filtration for severe operating conditions.

Worn fuel pumps or failed injectors ruin your day as easily as they ruin your bank account. Donaldson diesel fuel filter kits can save you both - by delivering clean, filtered fuel to your engine.

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 an emergency
- ▶ Supports flow range up to 245 lph
- ▶ High-efficiency versions available



Added Protection

for high pressure common rail (HPCR) engines



Operating Pressure

Operating Temperature

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

Diesel Fuel Filtration Kits

Part No	Flow Rate	Head Assembly	Replacement Filter	Bowl	Fittings	WIF Sensor
---------	-----------	---------------	--------------------	------	----------	------------

3µm HIGH EFFICIENCY DIESEL FUEL FILTER KIT (B₃ = 100 (99% @ 3 micron))

P903316	114 lph	1/4" - 18 NPTF	P551615	YES	2x Straight Fitting 1x Right-Angle Fitting	NO
X900165	114 lph	1/4" - 18 NPTF	P551615	YES	2x Straight Fitting 1x Right-Angle Fitting	YES
X900167	220 lph	M14 x 1.5 Priming Pump	P581681	YES	2x Straight Fitting	NO
X900168	220 lph	M14 x 1.5 Priming Pump	P581681	YES	2x Straight Fitting	YES
X900169	245 lph	M14 x 1.5	P581681	YES	2x Straight Fitting	NO
X900170	245 lph	M14 x 1.5	P581681	YES	2 X Straight Fitting	YES

11µm DIESEL FUEL FILTER KIT (B₁₁ = 100 (99% @ 11 micron))

P902976	114 lph	1/4" - 18 NPTF	P550588	YES	2x Straight Fitting 1x Right-Angle Fitting	NO
X900164	114 lph	1/4" - 18 NPTF	P550588	YES	2x Straight Fitting 1x Right-Angle Fitting	YES

Optional Restriction Indicators

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.

Uncertain how often you should drain the water from your fuel filter?

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



Water in Fuel Sensor LED Display Kit

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

Frequently Asked Questions

Common questions on ensuring adequate fuel filtration and system protection

Q: Where should I install additional filtration?

A: 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.

Q: What else do I need to install additional filtration?

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

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

A: 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.

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

A: 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.

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 in-field when you need them.



AVAILABILITY

Innovative, reliable distribution partners providing local support.



Donaldson Australasia Pty Ltd
PO Box 153, Wyong NSW 2259

Freecall: 1800 345 837
Ph: +61 2 4350 2000
Fax: +61 2 4351 2036

Brochure No. F111609 ENG (02/2022)

© 2022 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.

Donaldson New Zealand
PO Box 14-770, Panmure 1741 Auckland

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

www.donaldson.com