



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.

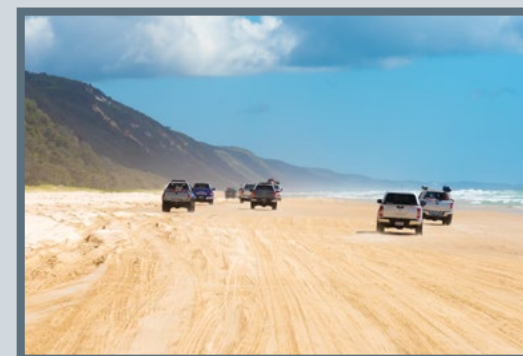
- ▶ Reducing down time, improving or maintaining engine performance and extending the lifespan of your engine.
- ▶ Advanced filtration technology setting industry standards. Trusted by OEMs, preferred by professionals.
- ▶ Extensive warranties with comprehensive coverage backed up by a highly professional 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 seperately

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 | Landsruiser 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 Tubro 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 seperately, unless 4WD inc Cabin Air kit is purchased

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.



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