



4X4 ACCESSORIES



DATE:

January 2014

DESCRIPTION:

Differential Breather Kit

APPLICATION:

Universal Vehicle Fitment

PART NO. :

170112

PRICING:

Retail: \$72.00

AVAILABILITY DATE:

February 2014



PRODUCT SPECIFICATION

DESIGN & DEVELOPMENT:

A differential / axle breather serves the important purpose on a 4WD vehicle of venting the air pressure in drivetrain assemblies such as the differentials, transmission and transfer case. Under normal operations, these assemblies heat up and the air inside expands, increasing the pressure and thus the need to be vented to atmosphere is created. When the drivetrain assembly cools down the air inside contracts and creates a vacuum.

Many drivetrain assemblies are fitted with a breather from the factory. These factory breathers are usually a one-way valve mounted directly to the housing or remotely on a short tube. The shortfall with the factory breathers is that driving through water crossings creates a vacuum caused by the drivetrain assembly being cooled rapidly by the water. This vacuum will tightly close the valve shut causing air to be instantly drawn into the assembly through the seals. Many times the seals are still submerged below water, leading to the water being drawn into the drivetrain. This will contaminate the oil and possibly damage drivetrain components or your Air Locker.

The ARB Differential Breather Kit is designed to eliminate these shortcomings by providing a high flow, zero back pressure, zero vacuum breather system. This is achieved with a high flow air filter within a central manifold that will allow up to four drivetrain assemblies to be vented to one central location, ideally somewhere on the vehicle that will be above the water level at all times. This kit is intended to replace your factory breathers and contains enough fittings and tubing to connect at least two drivetrain assemblies. More tubing and push-in fittings can be purchased separately to connect up to four assemblies to the central manifold (Part Number 170113).

The ARB Differential Breather Kit is unique in that it uses 8mm tubing (where most other kits use 6mm tubing). The larger size tubing is essential in 4X4 applications where off camber driving can cause oil to enter and block smaller breather lines.

FEATURES:

- The axle breather manifold is machined from billet aluminium and anodized, making it lightweight and resistant to the elements.
- The manifold has 4 axle breather ports allowing for between 1 and 4 breather lines to be connected. It is very compact allowing it to be installed in virtually any location.
- The kit comes with self tapping screws, but the manifold mounting holes are large enough to allow mounting using an M6 (1/4 inch) bolt or stud, which is the common size in most vehicle engine bays.
- The air filter is the ARB compressor air filter, which is a splash resistant air filter with a washable high flow sintered bronze filter cartridge.
- 8mm Polyethylene tubing is flexible, oil resistant, water resistant and heat resistant.
- 8mm tubing has been selected over the standard 6mm tubing to improve the air flow and reduced the chance of oil blockages in long breather lines.
- The 8mm push-in fittings make the installation simple and fast.

KIT CONTENTS:

The ARB Differential Breather Kit includes:

- Anodized Aluminium Manifold with 5 ports and 2 mounting holes
- 4 x 1/8" BSP ports for connecting up to 4 breather lines
- 1 x 1/4" NPT ports for the air filter
- Air filter assembly
- 4 x 8mm-1/8" BSP push-in fittings
- 3 x 1/8" BSP plugs for plugging unused ports
- 8m x 8mm polyethylene tubing
- 2 x self-tapping screws
- 25 x cable ties

