

DIFF & TRANS BREATHER KIT

Installation Guide



The Harrop universal breather kit is a simple installation for a variety of different vehicles. It will accommodate 4 inlets, 2 differentials, transmission and transfer case. Kits are typically installed into an engine bay and use sintered or foam type filters, which often become blocked due mud and dirt. These typical kits will pick up oil mist and dust from the engine bay, as well as letting water in through deep water crossings. The Harrop kit is unique and breathes back into the induction system, ensuring the system is completely sealed free from any contaminants.

Step one

- First mount the breather block manifold to the firewall or inner front guard in the engine bay using the self-drilling screws supplied. The block can be mounted in a left or right hand configuration.

Step two

- Run the black polyethylene tubing over to the engines air filter or snorkel, the breather tube can attach to either the snorkel tube or the air cleaner housing. It can be mounted on the clean or dirty side of the filter whichever is more convenient. Using a Step Drill, drill a 14mm to 14.5mm hole to suit the bulkhead fitting supplied, fit the bulkhead fitting and connect the tubing.



Step 1



Step 2

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Step three

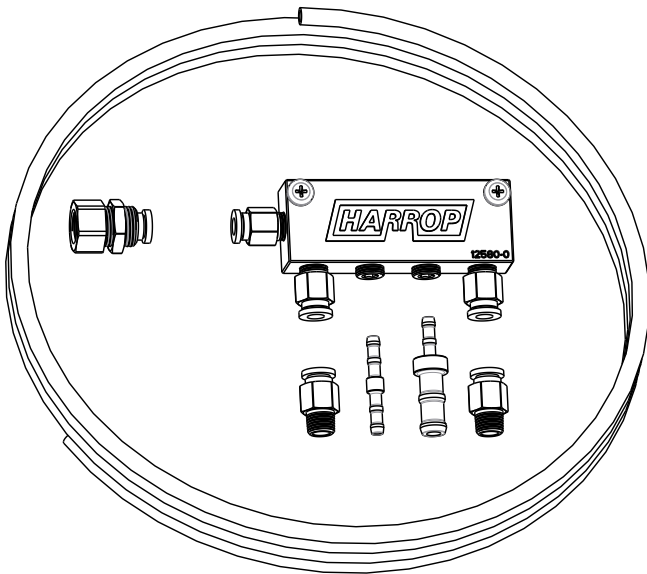
- Fit the push on fittings to the diff housing, the fittings are supplied with 1/8"BSPT threaded end which suit most 4WD's. Remove the standard breather and screw in the push on fitting, then run the tubing along the chassis up to the breather block and connect.
- Some vehicles will have rubber hose running from the diff housing, transmission and or transfer case connected to a breather. With the Harrop kit we have supplied some barb fittings which makes the kit much easier to fit and suit more applications you can simply remove the standard breather connect with the barb fitting and run the tubing to the breather manifold, where you will now have a completely sealed breather system.



Step 3



Supply barbs fitted



Harrop Engineering Technical Drawings