DIY Workshop

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MEET THE TEAM



As owner/operator As Teknik Motorsport, Nick's Sydney-based workshop specialises in

suspension and mechanical repairs.

IAN HANCOCK As a skilled moto-As a skilled motoscared of compiling a table ical facture that

technical feature that delves into the mechanical depths.



TOOLS YOU'LL NEED

Spanners, T-bars and Socket Set

GlovesRags

Rays

WHAT IT'LL COST YA

• Labour: 20 minutes

• Filter Oil: \$25

AIR FILTER SERVICE

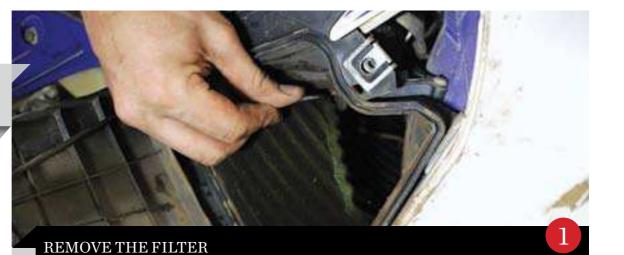
Keep her breathing easy, change that filter often...

- 🕲 🕼 IAN HANCOCK 🕚

rebuild is a highly likely scenario if you don't maintain your air filter. Most modern bikes come standard

Most modern bikes come standard with high-quality foam filters, but it's well worth investing in two or three spares. This allows you to keep a rotation going and do all the dirty work in one batch. Old filters can also start to break down over time, so invest in new ones every couple of years. Filters always get dirty wherever you ride, so get into the habit of checking your filter before each and every ride. Ideally, change the filter between every ride, or at least try to ensure it's seated correctly and is relatively clean.

Over the next two pages, Nick Dole from Teknik Motorsport explains how a filter change is properly done.



nce you've removed the airbox lid - or seat - necessary to access

your filter, grab a clean rag and wipe

leaning your bike's air filter

maintenance task you can do to

properly look after your engine.

Short of writing off your pride and

joy in an accident, the quickest way

to destroy a perfectly good machine is

an iron lung-full of dust being sucked

through your cylinder ... because a full

ranks right alongside changing

your oil as the most important

any dirt away from the edge of the filter and from around the airbox. This prevents crap accidentally falling into the air boot when the filter's out. Then, remove the fastening screw or bracket and pull the filter out.



INSPECT THE AIR BOOT

W ith the foam filter out, grab a torch and have a good look inside the black plastic air boot leading to the throttle body or carby. Wipe your (clean) finger and check for any dust. Even the lightest of coatings may indicate that dirt has bypassed the filter, which could signal trouble for your engine.





DRY THE FILTER

E nsure the filter's dry before oiling. To speed up the process, you can place it on newspaper or paper towel or hang it on a fan, but by far the most efficient way is to hit it with pressurised air. Avoid hot air guns, though, as this can melt or degrade the glue used in the filter's construction.

OIL THE FILTER

A ir filter oil is seriously sticky stuff, so the cleanest way to oil a filter is to wear gloves to work the oil through the filter, or put the filter in a plastic bag to mush the oil through. Ensure that the oil has passed through all of the foam pores. Aim for an even coverage, but with any excess oil squeezed off – otherwise your bike's air intake may be unnecessarily restricted.



Filter Skins



A ir filter skins are a thin, stockinglike material that is designed to fit snugly over your air filter to act as a kind of pre-filter. The idea is that the skin can be pulled off when dirty, leaving your foam filter largely clean and extending the intervals between filter changes. Skins are cleaned in the same way as filters. They are great for multiday trailrides, but not everyone uses them, as they restrict airflow and require special care to ensure a good seal between the filter and airbox.



W ith the filter cleaned and oiled, reinstall the filter on its plastic frame. It's a good idea to leave the oil to set for a few hours before re-installing on the bike. Now put a generous layer of grease around the airbox seat and the sealing surface of the filter. This will prevent any dust entering around the filter. Ensure the filter is seated neatly and fastened.

Cleaning the Airbox



Over time, your airbox will get a build-up of grease and dirt. Degreaser will help, but the best way to really get your airbox clean is to pull the whole subframe off, together with the airbox, then hit it with a pressure washer. When re-installing the subframe, be particularly careful when fitting the air boot back onto the throttle body or carb - a loose or misaligned boot will suck in unfiltered air and kill your engine.