

NEW EAAM MOTORCYCLE AIR FILTER



Ea Motorcycle Air Filters

AMSOIL INC. revolutionized the filtration industry with its introduction of AMSOIL Ea Air and Ea Oil Filters. For the first time exclusive nanofiber technology – the same technology used in the Abrams M1 tank and other heavy duty applications – was made available for automotive applications. Now, AMSOIL has made this outstanding new technology available for motorcycles.

Nanofiber Basics

Because the nanofibers in AMSOIL Ea Motorcycle Air Filter media are so small, there are more pores per square inch, allowing for higher dirt-holding capacity and lower pressure drop compared to traditional filter medias. Thinner media fibers produce more uniform pore size distribution, improving the filter's overall ability to capture and retain particles.

Air Filtration Basics

An engine requires air for combustion, but the air drawn in through the induction system is loaded with contaminants. There are over 400 tons of suspended dirt and other contaminants in a cubic mile of air over a typical city. The concentration can be even higher in rural areas where there is frequent travel on unpaved roads. The dirt and contaminants drawn into an engine from the air are the leading causes of engine wear.

The function of the air filter is to trap and hold these wear causing contaminants without restricting air flow. As the filter traps more and more contaminants, air flow becomes restricted, smothering the engine and diminishing performance. The more wear causing contaminants a filtration media traps and holds, while still allowing optimum air flow, the better the filtration media.

The nanofiber technology used in AMSOIL Ea Filters surpasses all other technology in efficiency, capacity and service life. With AMSOIL Ea Air Filters, dust and submicron particles remain on the surface and are trapped in the nanofibers, preventing particles from lodging in the filter media depth. This produces higher efficiency and higher capacity, extending engine and filter life and reducing engine wear.

Ea Motorcycle Air Filters

The filtration media in the Ea Motorcycle Air Filter is pleated and has epoxy-coated wire on the face and back of the media for additional strength and stiffness. High quality plastisol potting compounds bond the pleat packs to the plastic or aluminum side plates. The S&S (aftermarket engine and carburetor manufacturer) style round filters are

manufactured with high-quality plastisol that bonds the media to the wire backing and sealing area.

Superior Filtration

The synthetic nanofiber media featured in AMSOIL Ea Motorcycle Air Filters have sub-micron diameters and small inter-fiber spaces, resulting in more contaminants being captured on the surface of the media and lower restriction. Cellulose, wetted gauze and foam filters have larger spaces between the media that cause contaminants to load in the depth of the filter, resulting in airflow path plugging, higher restriction and lower capacity.

Cleanable for Long Service Life

AMSOIL Ea Motorcycle Air Filters are cleanable, providing unsurpassed protection and long service life. AMSOIL Ea Motorcycle Air Filters should be cleaned every year or according to operating conditions. Operation in extremely dusty or dirty environments may require more frequent cleaning. Ea Motorcycle Air Filters should be changed every four years.

Cleaning Instructions

AMSOIL Ea Motorcycle Air Filters are cleaned in the same manner as AMSOIL Ea Air Filters for cars and light trucks: with a vacuum or shop air. To clean with a vacuum, place the filter on a flat surface and carefully vacuum the filter media on the dirty side where the incoming airflow enters the filter. To clean with shop air, hold the filter with one hand and carefully blow the filter media at a 45-degree angle on the clean side of the filter using low-pressure (15 to 20 psi) shop air. Using too much air pressure will damage the filter media.

Superior Alternative

AMSOIL is producing an initial offering of eight Ea Motorcycle Air Filters manufactured for the most popular Harley Davidson models from the years 1988 to 2006, including motorcycles equipped with S&S carburetors and air cleaner housings.

Application information can be found in the [online power sports lookup](#), in the G2135 Power Sports Application Guide or proper filters may be determined when placing orders.