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DATA BULLETIN



AMSOIL Ea<sup>®</sup> Oil Filters Superior Oil Filtration for Cars and Light Trucks

AMSOIL Ea<sup>®</sup> Oil Filters (EAO, EA15K) feature advanced full-synthetic media that traps and holds a greater amount of small, wear-causing contaminants compared to conventional filters. They provide extended service intervals for increased convenience, while helping reduce engine wear.

#### **Absolute Efficiency**

Efficiency is the filter's ability to capture contaminants. The more efficient a filter is, the more contaminants it will remove from the oil. AMSOIL Ea Oil Filters have one of the best efficiency ratings in the automotive/light-truck market. Ea Oil Filters provide a filtering efficiency in accordance with industry standard ISO 4548-12 of 98.7 percent at 20 microns, while competitive filters demonstrate efficiencies as low as 51 percent (see graph).

#### **Less Restriction**

Proper oil flow is essential to keeping engine parts lubricated at all times. AMSOIL Ea Oil Filters' synthetic fibers are smaller than the fibers used in traditional filters, allowing Ea Oil Filters to provide lower restriction. During cold-temperature warmup periods, an Ea Oil Filter allows the oil to flow through the filter more easily than a typical cellulose filter does. Lower restriction decreases engine wear.

#### **Contaminant Retention**

A filter's capacity refers to the amount of contaminants it can hold and still remain effective. AMSOIL Ea Oil Filters have a greater capacity for small, wear-causing contaminants than competing filter lines. They last longer and ensure the oil is properly filtered.

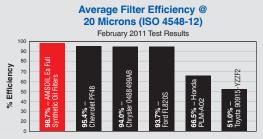
#### **Superior Construction**

AMSOIL Ea Oil Filters are made with premium-grade full-synthetic media. The strictly controlled processing of this media ensures accurate filter construction and is what allows Ea Oil Filters to deliver higher capacity and efficiency along with better durability.

Ea Oil Filters' full-synthetic media technology is resin-free to resist degradation from hot oil. It uses a wire screen backing that is pleated with the media for superior strength.

Ea Oil Filters are constructed with HNBR gaskets that are fully tested to extreme distances in numerous severe environments. They feature fully tucked seams, a molded element seal, roll-formed threads and a long-lasting, premium-grade silicone anti-drainback valve.





Oil Filters

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FILTERS Filter Housing - Offers superior strength and pressurefatigue performance. End-Cap Containing Bypass Valve - Position of bypass varies due to OEM requirements. Louvered Center Tube (inside) - Allows more flow area and eliminates media wear during pleat movement. Stamped End Caps - Contain plastisol sealant; media is deeply embedded into sealant. Steel Spring - Securely holds components in place (some filters use a coil spring; spring choice varies based on filter design). Heavy-Duty Baseplate -Wire-Backed Full-Synthetic Features fully tucked double seam. Media - Offers high efficiency and longevity. Silicone Anti-Drainback Valve -Stavs flexible in extreme temperatures. Long-Life HNBR Gasket - Stays flexible and tightly sealed

## **RECOMMENDED ACCESSORIES**

Filter wrenches with a 3/8" square drive offered by AMSOIL are designed to install and remove AMSOIL Ea Oil Filters and Ea Motorcycle Oil Filters in hard-to-reach locations.

**Filter Wrench (64 mm) (GA265)** Recommended for AMSOIL Ea Oil Filters and Ea Motorcycle Oil Filters EA15K09, EA15K10, EA15K12, EA15K13, EAO14, EAOM103, EAOM103C, EAOM109.

Filter Wrench (74 mm) (GA258) Recommended for AMSOIL Ea Motorcycle Oil Filters EAOM122C, EAOM132, EAOM132C, EAOM133, EAOM133C, EAOM137C.

Filter Wrench (76 mm) (GA251) Recommended for AMSOIL Ea Oil Filters and Ea Motorcycle Oil Filters EAO17, EAO18, EAO23, EA15K29, EA15K32, EAO34, EAO37, EAO38, EA15K50, EA15K51, EAO64, EAOM122, EAOM134, EAOM134C, EAOM135, EAOM135C, EAOM136C, EAOM138.

Filter Wrench (93 mm) (GA252) Recommended for AMSOIL Ea Oil Filters EAO11, EAO15, EAO21, EAO24, EAO26, EAO27, EAO31, EAO40, EAO42, EAO52, EAO59, EAO98.

Filter Wrench (76 mm) (GA254) Recommended for AMSOIL Ea Oil Filter Ea15K20.

## SERVICE LIFE

When used in conjunction with AMSOIL synthetic motor oils, AMSOIL Ea Oil Filters are guaranteed for extended service life:

- Ea Filters designated with product code Ea15K are recommended for 15,000 miles/one year, whichever comes first, in normal or severe service.
- Ea Filters designated with product code EaO are recommended for 25,000 miles/one year, whichever comes first, in normal service or 15,000 miles/one year, whichever comes first, in severe service.

Consult the AMSOIL Product Guide, AMSOIL Online Filter Cross-Reference or MyAMSOILGarage<sup>™</sup> at www.amsoil.com to determine the appropriate filter for each application. When AMSOIL Ea Oil Filters are used with a motor oil other than AMSOIL synthetic motor oil, the filter should be changed according to the vehicle manufacturer's recommendation.

#### **AMSOIL PRODUCT WARRANTY**

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit www.amsoil.com/warranty.aspx.



AMSOIL products and Dealership information are available from your local full-service AMSOIL Dealer.