



### WARNING SIGNS THAT A FILTER NEEDS REPLACED:

- > Poor engine performance or even seize-up
- > Decreased fuel efficiency
- > Poor starting or stalling

### ADVANTAGES OF REGULAR FILTER MAINTENANCE:

- > Increased fuel-efficiency
- > Helps ensure optimal engine performance

### SOME DRIVING CONDITIONS ACCELERATE THE NEED FOR OIL AND FILTER REPLACEMENT:

In general, oil and filters should be replaced every six months, however, they should be replaced more regularly in more intense conditions such as:

- > Extensive idling and/or driving at low speeds for long distances (such as stop-and-go traffic)
- > Repeated short distance driving
- > Driving for long periods of time in cold or extremely humid weather
- > Driving in dusty conditions
- > Towing or carrying heavy load



### HOW DO MAZDA FILTERS WORK?

#### Oil filters

Oil filters are essential to engine function. Oil filters protect the interior of the engine by removing harmful abrasives such as carbon, sand, dust and bits of metal (worn from the inside of the engine from friction) before they can reach critical engine parts and wear out the engine. An engine's oil and filter are two of the least expensive items to replace in a vehicle, but if neglected, they can cause some of the most costly repairs!



#### Air filters

Air filters help keep the proper mix of clean air and fuel in the engine. Even fine dirt particles can cause engine wear, so it is important to use a high-quality filter with an exact fit for the vehicle.



#### Fuel filters

Fuel filters help ensure the delivery of clean fuel from the gas tank to the engine, which is a vital vehicle function. Impurities in the gas tank can cause problems such as poor starting, stalling, or even injector failure. Mazda fuel filters remove 90% of particles 20 microns and higher. (The average grain of sand is 200 microns.)



# PRODUCT KNOWLEDGE FILTERS

Filters are designed to keep harmful particles from vehicle systems, helping to ensure long-lasting performance by keeping engine parts clean. Each type of filter protects the operation of a different part of the engine.

Regular filter maintenance is essential - by the time a filter shows signs that it needs replacement, it is usually too late!

**“FILTER CARE IS JUST SMART MAINTENANCE”**



### A WORD ON OIL

The purpose of motor oil is to form a lubricating film between moving engine parts - thus protecting the engine from wear, excessive heat and corrosion. When motor oil breaks down, engines can also break down. That's why it's important to always use motor oil that has been specially formulated for Mazda vehicle engines.

Mazda motor oils are formulated with base oils that have been refined with a “hydrocracking” process that rearranges unstable oil molecules so they don't decompose and cause harmful deposits and other problems in your engine. The oils coming out of this hydrocracking process are crystal clear - free of the impurities that contribute to oil degradation. Specially tailored additives are then compounded with this base oil for a premium Mazda motor oil.



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THE EMOTION  
IN MOTION.



Mazda Filters use only high-quality materials designed to meet Original Equipment specifications. Testing proves that Mazda filters will outperform most generic filters, which could leak, crack or rupture.



### FEATURES AND BENEFITS OF MAZDA AIR FILTERS:

- > Tight leak-proof polyurethane seals: offer superior performance to generic filters with plastisol seals.
- > Excellent dirt-holding properties: meet a 98.5% efficiency standard in coarse dust testing.
- > Special treatment: enhances capacity and efficiency.

### FEATURES AND BENEFITS OF MAZDA FUEL FILTERS:

- > Durable design: engineered to withstand six times the normal operating pressure of the fuel system.
- > Tough construction: stainless steel construction provides excellent internal and external corrosion resistance.

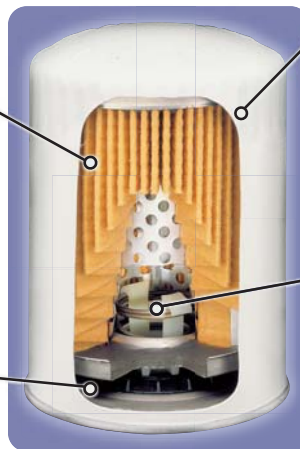
### FEATURES AND BENEFITS OF MAZDA OIL FILTERS:

#### Efficient Filter Media

Internal filter material is a highly engineered blend of cellulose fibers with a high-quality phenolic resin binding for strength and resistance to wear from heat, water and acid. The material also has a high dirt-collecting capability.

#### Anti-Drainback Valve

Keeps oil in the filter to prevent "dry starts" after the engine has been turned off.



#### Tough Steel Case

Engineered for a precise fit, fluted for ease of removal. Tough steel case resists cracks and ruptures which cause oil leaks.

#### Pressure Relief Valve

Oil flow can be reduced in cold weather, or if the filter becomes clogged. If this happens, the relief valve opens to provide continuous oil supply thereby protecting the engine from low oil volume.



### CHECK IT ON THE VEHICLE INSPECTION REPORT

Mazda Technicians will perform an oil and filter service with every regular maintenance visit. Air filters will be inspected as part of the multi-point inspection and Technicians will record a condition of green, yellow, or red which indicates if the filter is fine, needs replacing in the near future or immediately.



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