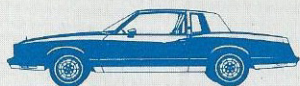


Chevrolet

AMERICA'S GOING DIESEL CHEVY'S GOT WHAT IT TAKES



MONTE CARLO

With 3-speed automatic transmission.

34 **23** **673** **455**
EST. HWY* EPA EST. MPG* HWY* CITY*



CHEVETTE

With 5-speed overdrive transmission.

55 **40** **687** **500**
EST. HWY* EPA EST. MPG* HWY* CITY*



MALIBU CLASSIC WAGON

With 3-speed automatic transmission.

34 **23** **618** **418**
EST. HWY* EPA EST. MPG* HWY* CITY*



MALIBU CLASSIC SEDAN

With 3-speed automatic transmission.

34 **23** **673** **455**
EST. HWY* EPA EST. MPG* HWY* CITY*



CAPRICE CLASSIC SEDAN

With 3-speed automatic transmission.

33 **22** **891** **594**
EST. HWY* EPA EST. MPG* HWY* CITY*



CAPRICE CLASSIC WAGON

With 4-speed automatic transmission.

33 **22** **726** **484**
EST. HWY* EPA EST. MPG* HWY* CITY*



IMPALA SEDAN

With 3-speed automatic transmission.

33 **22** **891** **594**
EST. HWY* EPA EST. MPG* HWY* CITY*

*Use estimated MPG for comparisons. Your mileage and range may differ depending on speed, distance, weather. Actual highway mileage and range lower. Range obtained by multiplying mileage estimates by fuel tank capacity. Some Chevrolets are equipped with engines produced by other GM divisions, subsidiaries, or affiliated companies worldwide. See your dealer for details.


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CHEVROLET PASSENGER CAR DIESEL ENGINE FACTS

*Chevy makes good things happen...
for you in '82.*

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CHEVROLET PASSENGER CAR DIESEL ENGINE FACTS

*Chevy makes good things happen...
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Chevrolet

THE ENGINE OF TOMORROW... TODAY

Just a few years back, you expected to find diesel engines only in those long-distance eighteen-wheelers.

But passenger cars? Not very likely.

Today, just watch any road and note cars of assorted shapes and sizes cruising past the gas pumps on diesel power.

The trend is on.

America's moving to diesel in ever-increasing numbers.

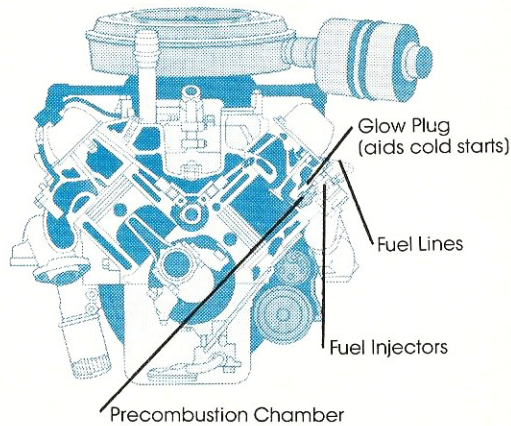
At Chevrolet, we're moving right along with it—in fact, you might even say ahead of it. Because Chevy has a wider range of diesels than anyone—that's right, anyone—in America.

Whether you need a car that is large or small, luxurious or practical, Chevrolet can help you take advantage of the engine of tomorrow—today.

HOW A DIESEL IS DIFFERENT

A gasoline engine, with its carburetor and distributor, uses spark plugs to ignite the gasoline-air mixture inside the cylinders. There are no spark plugs in a diesel engine, nor is there an ignition system or a carburetor. That is the major difference between diesel and gasoline engines.

In comparison to a gasoline engine, the components of a diesel engine are few and simple—and that's one of its key virtues. These components include: cylinders and pistons, precombustion chambers, an injector and a glow plug in each pre-combustion chamber, and intake and exhaust valves.



HOW A DIESEL WORKS

Most diesel engines operate on a heat ignition principle and go through a 4-part cycle:

1. Intake
2. Compression
3. Combustion
4. Exhaust

Before the diesel engine is started, the glow plug warms the precombustion chamber to help cold-engine starting. Then, on the intake stroke, the intake valve opens and the piston moves down, drawing only air into the cylinder.

On compression, the intake valve closes and the piston moves up and compresses the air to a ratio of about 22:1, nearly three times that of a gasoline engine.

Pressure squeezes the air so it superheats—

gets hot enough to ignite the diesel fuel.

At the top of the compression stroke, the injector sprays a precisely measured amount of fuel into the precombustion chamber. The hot air ignites it. With that initial combustion, the power stroke begins and forces the remaining fuel into the cylinder where the job is finished. Combustion gases push the piston down, providing power to the drive train.

Finally, on the exhaust stroke, the exhaust valve opens and the piston moves up. Exhaust gases are forced out by the returning piston, the valve closes and the cycle repeats.

THE BENEFITS OF DIESEL POWER

The high compression ratio of diesel engines improves their combustion efficiency over that of the gasoline engine. In addition, gallon for gallon, diesel fuel has more energy than gasoline for it contains a higher number of BTUs. That means more power is achieved from diesel fuel than from the same amount of gasoline.

A diesel-powered vehicle can go significantly farther per gallon. In fact, diesel engines offer approximately 31 percent more miles to the gallon than gasoline engines of comparable displacement. At idle a diesel takes from 45 minutes to an hour to burn the amount of fuel a gasoline engine consumes in 15 minutes. And diesel

fuel is now readily available at an increasing number of service stations.

A diesel has no spark plugs, no carburetor, no distributor and no ignition wiring—so no tune-ups are required. That's typical of the maintenance aspects of diesels. The general overall serviceability is simpler as are the parts requirements.

Because of their many economies, diesels usually cost the owner less per mile over the life of the passenger car or truck, even though the initial investment may be greater. And, traditionally, a diesel returns a significant portion of its original investment at resale.

ROUTINE MAINTENANCE

	1.8L	2.2L	4.3L	5.7L
Engine Oil Change*	12 months or 3,750 miles	12 months or 5,000 miles	12 months or 5,000 miles	12 months or 5,000 miles
Engine Oil Filter Change	Every 3,750 miles	Every 5,000 miles	Every 5,000 miles	Every 5,000 miles
Air Cleaner Element Replacement	30,000 miles	30,000 miles	30,000 miles	30,000 miles
Fuel Filter Replacement	30,000 miles	30,000 miles	30,000 miles	30,000 miles
Engine Idle Speed Adjust	3,750 miles; then at 30,000-mile intervals.	5,000 miles; then at 30,000-mile intervals.	5,000 miles; then at 30,000-mile intervals.	5,000 miles; then at 30,000-mile intervals.

*See Owner's Manual for conditions which require more frequent service intervals.

CONTINUOUS PROTECTION PLAN

The optional GM Continuous Protection Plan offers service protection in addition to that provided by GM's new vehicle limited warranty. Ask your dealer about it. Coverage available only in the U.S.A. and Canada.