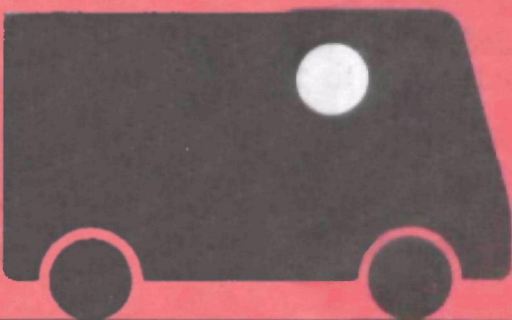
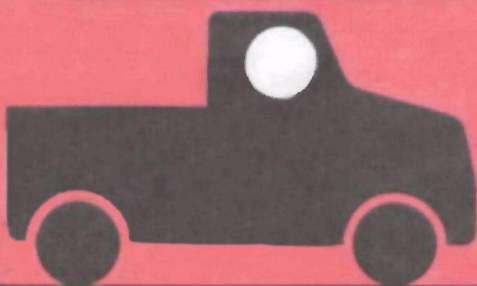
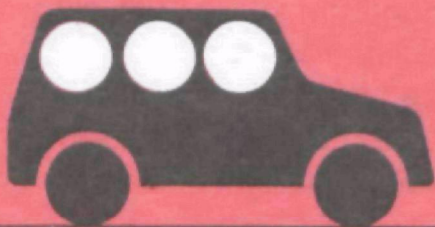
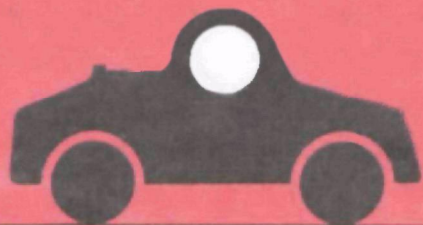


1977 California Gas Mileage Guide

September 1976



U.S. ENVIRONMENTAL
PROTECTION AGENCY
WASHINGTON, D.C. 20460



FEDERAL ENERGY
ADMINISTRATION
WASHINGTON, D.C. 20461

How To Use This Guide

This "Gas Mileage Guide" gives the estimated fuel economy in miles per gallon (MPG) of 1977 model year cars, station wagons, and light trucks.

All new car dealers are required to have copies of this Guide available in their showrooms.

The purpose of this Guide is to give you fuel economy and other information that can help you select a vehicle to meet your transportation needs and be fuel efficient.

How The Guide Is Organized

To help you compare the fuel economy of similar-sized vehicles, the passenger cars and station wagons are grouped into classes according to their interior size, an important measure of vehicle utility. This means that vehicles that are approximately the same size inside will be in the same class. Trucks are grouped by their capacity, in terms of gross vehicle weight rating.

Car Classes

Two-Seater—Cars designed primarily to seat only two adults (page 10).

Sedans

Subcompact—Cars having up to 100 cubic feet of passenger and luggage volume (pages 5–6).

Compact—Cars having 100 to 110 cubic feet inside (page 7).

Mid-Size—Cars having 110 to 120 cubic feet inside (page 8).

Large—Cars having more than 120 cubic feet inside (page 9).

Station Wagons

Small—Less than 130 cubic feet of passenger and cargo volume (page 11).

Mid-Size—Between 130 and 160 cubic feet inside (page 12).

Large—160 or more cubic feet inside (page 12).

Truck Classes

Small Pickups—Trucks having Gross Vehicle Weight Ratings (truck weight plus carrying capacity) under 4500 pounds (page 13).

Standard Pickups—Trucks having GVWR's over 4500 pounds (page 13).

Van/Special Purpose class—All other light trucks (page 14).

In each size class, you will find the following information on every model type:

Manufacturer and car line names

The manufacturers are listed alphabetically. Under each manufacturer, the car lines are listed alphabetically.

Vehicle Description

Each line in the Guide shows a different model in a car line. In addition to the engine and transmission descriptions, there is a column for interior volume index. The first number in this column is the volume of the passenger compartment. The second number is the size (in cubic feet) of the trunk or, in station wagons and hatchbacks, the cargo space behind the second seat.

Three Fuel Economy Estimates

City fuel economy reflects trips for local errands, driving to work, and general stop-and-go driving in urban and suburban areas.

Highway fuel economy reflects long-distance driving on non-urban roads and on interstate highways at a speed averaging about 50 MPH with no stops.

Combined fuel economy is a weighted average of the city and highway estimates based on Federal Highway Administration studies of average U.S. driving patterns. **This value** (which assumes approximately half city and half highway driving) is what the average driver can expect in overall summer driving on level roads after the car has been broken in.

Fuel Cost

This value is an estimate of what you would pay for fuel in 1 year if you drive 15,000 miles and pay 65 cents per gallon for gasoline (or 55 cents per gallon for diesel fuel). Check the **Fuel Cost Chart** in this Guide for additional information on yearly fuel costs at different prices per gallon.

Additional information is provided in this Guide on:

- Factors that affect fuel economy.
- EPA fuel economy tests.
- Fuel economy labels.
- Annual fuel cost estimates.
- Alphabetical index of manufacturers and car lines.

Index

If you don't know which class a vehicle is in, turn to the index where manufacturers and car lines are listed alphabetically. After each model name, the appropriate size class is given. By locating that size class and the manufacturer, you will be able to find the specific model. The index is located on pages 21-23.

SUBCOMPACT CARS

Manufacturers	Vehicle Description				Fuel Economy				
	Model	Engine Size/ cylinders	Transmission	Fuel System	Interior Volume Index passenger/ trunk	City MPG	Highway MPG	Combined MPG	Average Annual Fuel Costs
AMERICAN MOTORS									
GREMLIN	232/6	M	1	81/9	15	22	18	\$542	
	232/6	A	1	81/9	14	18	16	\$609	
	258/6	A	1	81/9	14	17	15	\$650	
	258/6	A	2	81/9	15	21	17	\$574	
AUDI									
FOX	97/4	M	FI	84/11	22	37	27	\$361	
	97/4	A	FI	84/11	23	32	27	\$361	
BUICK									
OPEL BY ISUZU	111/4	M	2	78/9	22	33	26	\$375	
	111/4	A	2	78/9	24	29	26	\$375	
SKYHAWK	231/6	M	2	79/10	13	26	17	\$574	
	231/6	A	2	79/10	14	19	16	\$609	
CHEVROLET									
CAMARO	305/8	A	2	86/6	14	19	16	\$609	
	350/8	A	4	86/6	14	18	15	\$650	
CHEVETTE	98/4	M	1	76/9	28	39	32	\$305	
	98/4	A	1	76/9	25	32	28	\$348	
MONZA	140/4	M	2	79/8	23	33	27	\$361	
	140/4	A	2	79/8	21	30	24	\$406	
	305/8	A	2	79/8	14	20	17	\$574	
VEGA	140/4	M	2	80/10	23	33	27	\$361	
	140/4	A	2	80/10	21	30	24	\$406	
DATSUN									
B-210	85/4	M	2	66/12	30	42	34	\$287	
	85/4	A	2	66/12	26	33	28	\$348	
F-10	85/4	M	2	71/14	30	42	34	\$287	
DODGE									
COLT	98/4*	M	2	74/7	21	34	25	\$390	
	98/4*	A	2	74/7	21	32	25	\$390	
	122/4*	M	2	74/7	15	27	19	\$513	
	122/4*	A	2	74/7	18	29	22	\$443	
FORD									
MAVERICK	250/6	A	1	87/12	18	23	20	\$488	
	302/8	A	2	87/12	13	18	14	\$696	
MUSTANG II	140(2.3L)/4	M	2	72/8	22	34	26	\$375	
	140(2.3L)/4	A	2	72/8	19	26	22	\$443	
	302/8	A	2	72/8	13	18	14	\$696	
PINTO	140(2.3L)/4	M	2	77/8	24	34	28	\$348	
	140(2.3L)/4	A	2	77/8	22	30	25	\$390	
	171(2.8L)/6	A	2	77/8	17	20	18	\$542	
LINCOLN-MERCURY									
BOBCAT	140(2.3L)/4	M	2	77/9	24	34	28	\$348	
	140(2.3L)/4	A	2	77/9	22	30	25	\$390	
	171(2.8L)/6	A	2	77/9	17	20	18	\$542	
COMET	250/6	A	1	87/12	18	23	20	\$488	
	302/8	A	2	87/12	13	18	14	\$696	

*NOT EQUIPPED WITH CATALYST

SUBCOMPACT CARS

Manufacturers	Vehicle Description				Fuel Economy				
	Model	Engine Size/ cylinders	Transmission	Fuel System	Interior Volume Index passenger/ trunk	City MPG	Highway MPG	Combined MPG	Average Annual Fuel Costs
MAZDA									
COSMO									
	80/2*	M	4	73/10	18	30	22	\$443	
	80/2*	A	4	73/10	18	24	20	\$488	
RX-4									
	80/2*	M	4	72/11	18	30	22	\$443	
	80/2*	A	4	72/11	18	24	20	\$488	
808									
	78/4	M	2	67/10	31	39	34	\$287	
	97/4	M	2	67/10	29	37	32	\$305	
	97/4	A	2	67/10	26	32	29	\$336	
OLDSMOBILE									
STARFIRE									
	140/4	M	2	79/10	23	33	27	\$361	
	140/4	A	2	79/10	21	30	24	\$406	
	231/6	M	2	79/10	13	26	17	\$574	
	231/6	A	2	79/10	14	19	16	\$609	
PLYMOUTH									
ARROW									
	98/4*	M	2	73/10	20	35	24	\$406	
	98/4*	A	2	73/10	21	32	25	\$390	
	122/4*	M	2	73/10	15	27	19	\$513	
	122/4*	A	2	73/10	18	29	22	\$443	
PONTIAC									
ASTRE									
	140/4	M	2	80/10	23	33	27	\$361	
FIREBIRD									
	231/6	M	2	86/7	12	24	15	\$650	
	231/6	A	2	86/7	16	21	18	\$542	
	350/8	A	4	86/7	15	21	17	\$574	
	403/8	A	4	86/7	14	20	16	\$609	
SUNBIRD									
	140/4	M	2	79/7	23	33	27	\$361	
	231/6	M	2	79/7	13	26	17	\$574	
	231/6	A	2	79/7	14	19	16	\$609	
SUBARU									
SUBARU									
	97/4*	M	2	72/11	22	37	27	\$361	
	97/4*	A	2	72/11	22	30	25	\$390	
VOLKSWAGEN									
DASHER									
	97/4	M	FI	84/15	22	37	27	\$361	
	97/4	A	FI	84/15	23	32	27	\$361	
DASHER DIESEL									
	90/4*	M	FI	84/15	35	47	40	\$206	
RABBIT									
	97/4	M	FI	80/15	24	38	29	\$336	
	97/4	A	FI	80/15	23	33	27	\$361	
RABBIT DIESEL									
	90/4*	M	FI	80/15	39	52	44	\$188	
SCIROCCO									
	97/4	M	FI	74/16	24	38	29	\$336	
	97/4	A	FI	74/16	23	33	27	\$361	

*NOT EQUIPPED WITH CATALYST

COMPACT CARS

Manufacturers	Vehicle Description				Fuel Economy				
	Model	Engine Size/ cylinders	Transmission	Fuel System	Interior Volume Index passenger/ trunk	City MPG	Highway MPG	Combined MPG	Average Annual Fuel Costs
AMERICAN MOTORS									
HORNET	232/6	A	1	89/11	14	18	16	\$609	
	258/6	A	1	89/11	14	17	15	\$650	
	258/6	A	2	89/11	15	21	17	\$574	
PACER	232/6	A	1	90/11	14	18	16	\$609	
	258/6	A	1	90/11	14	17	15	\$650	
	258/6	A	2	90/11	15	21	17	\$574	
AUDI									
100LS	114/4	M	FI	90/13	18	29	22	\$443	
	114/4	A	FI	90/13	18	26	21	\$464	
BUICK									
SKYLARK	231/6	M	2	93/14	12	24	15	\$650	
	231/6	A	2	93/14	16	21	18	\$542	
	350/8	A	4	93/14	15	21	17	\$574	
CADILLAC									
SEVILLE	350/8	A	FI	95/13	12	17	14	\$696	
CHEVROLET									
MONTE CARLO	350/8	A	4	94/15	13	17	15	\$650	
NOVA	250/6	A	1	93/14	15	21	17	\$574	
	305/8	A	2	93/14	14	19	16	\$609	
	350/8	A	4	93/14	14	18	15	\$650	
DODGE									
ASPEN	225/6	M	1	92/15	16	23	18	\$542	
	225/6	A	1	92/15	16	19	17	\$574	
	318/8	A	2	92/15	11	15	13	\$750	
	360/8	A	4	92/15	12	17	14	\$696	
FORD									
GRANADA	250/6	A	1	91/15	16	20	18	\$542	
	302/8	A	2	91/15	13	20	16	\$609	
THUNDERBIRD	351/8	A	2	95/14	12	18	14	\$696	
	400/8	A	2	95/14	10	16	12	\$812	
LINCOLN-MERCURY									
MONARCH	250/6	A	1	91/15	16	20	18	\$542	
	302/8	A	2	91/15	13	20	16	\$609	
OLDSMOBILE									
OMEGA	231/6	M	2	93/15	12	24	15	\$650	
	231/6	A	2	93/15	15	20	17	\$574	
	350/8	A	4	93/15	15	21	17	\$574	
PLYMOUTH									
VOLARE	225/6	M	1	92/15	16	23	18	\$542	
	225/6	A	1	92/15	16	19	17	\$574	
	318/8	A	2	92/15	11	15	13	\$750	
	360/8	A	4	92/15	12	17	14	\$696	
PONTIAC									
GRAND PRIX	350/8	A	4	94/15	14	20	16	\$609	
	403/8	A	4	94/15	13	19	15	\$650	
VENTURA	231/6	M	2	93/14	12	25	16	\$609	
	231/6	A	2	93/14	15	20	17	\$574	
	350/8	A	4	93/14	15	21	17	\$574	

MID-SIZE CARS

Manufacturers	Vehicle Description				Fuel Economy				
	Model	Engine Size/ cylinders	Transmission	Fuel System	Interior Volume Index passenger/ trunk	City MPG	Highway MPG	Combined MPG	Average Annual Fuel Costs
BUICK									
CENTURY/REGAL	231/6	M	2	97/15	12	24	15	\$650	
	231/6	A	2	97/15	16	21	18	\$542	
	350/8	A	4	97/15	14	20	16	\$609	
CADILLAC									
ELDORADO	425/8	A	4	102/17	11	16	13	\$750	
CHEVROLET									
MALIBU	250/6	A	1	99/15	15	19	16	\$609	
	350/8	A	4	99/15	13	17	15	\$650	
CHRYSLER									
CORDOBA	318/8	A	2	95/16	11	16	13	\$750	
	360/8	A	4	95/16	11	18	14	\$696	
DODGE									
CHARGER SE	318/8	A	2	96/16	11	16	13	\$750	
	360/8	A	4	96/16	11	18	14	\$696	
MONACO	318/8	A	2	98/17	11	16	13	\$750	
	360/8	A	4	98/17	11	18	14	\$696	
	440/8	A	4	98/17	9	14	11	\$886	
FORD									
LTD II	351/8	A	2	97/15	12	18	14	\$696	
	400/8	A	2	97/15	10	16	12	\$812	
LINCOLN-MERCURY									
CONTINENTAL MARK V	400/8	A	2	99/18	10	16	12	\$812	
COUGAR/COUGAR XR-7	351/8	A	2	96/15	12	18	14	\$696	
	400/8	A	2	96/15	10	16	12	\$812	
OLDSMOBILE									
CUTLASS	231/6	M	2	97/16	12	24	15	\$650	
	231/6	A	2	97/16	16	21	18	\$542	
	350/8	A	4	97/16	14	20	16	\$609	
	403/8	A	4	97/16	13	19	15	\$650	
PLYMOUTH									
FURY	318/8	A	2	98/17	11	16	13	\$750	
	360/8	A	4	98/17	11	18	14	\$696	
	440/8	A	4	98/17	9	14	11	\$886	
PONTIAC									
LEMANS	231/6	M	2	99/15	12	24	15	\$650	
	231/6	A	2	99/15	16	21	18	\$542	
	350/8	A	4	99/15	14	20	16	\$609	
	403/8	A	4	99/15	13	19	15	\$650	

LARGE CARS

Manufacturers		Vehicle Description				Fuel Economy			
Model	Engine Size/ cylinders	Transmission	Fuel System	Interior Volume Index passenger/ trunk	City MPG	Highway MPG	Combined MPG	Average Annual Fuel Costs	
AMERICAN MOTORS									
MATADOR	304/8	A	2	104/17	12	16	13	\$750	
BUICK									
ELECTRA	350/8	A	4	110/20	14	20	16	\$609	
	403/8	A	4	110/20	13	19	15	\$650	
LESABRE	231/6	A	2	109/21	16	21	18	\$542	
	350/8	A	4	109/21	14	20	16	\$609	
	403/8	A	4	109/21	13	19	15	\$650	
RIVIERA	350/8	A	4	107/20	14	20	16	\$609	
	403/8	A	4	107/20	13	19	15	\$650	
CADILLAC									
CADILLAC	425/8	A	4	109/20	12	16	14	\$696	
LIMOUSINE	425/8	A	4	115/18	11	16	13	\$750	
CHEVROLET									
CHEVROLET	250/6	A	1	108/20	15	19	16	\$609	
	305/8	A	2	108/20	14	19	16	\$609	
	350/8	A	4	108/20	14	18	15	\$650	
CHRYSLER									
CHRYSLER	360/8	A	4	108/20	11	18	13	\$750	
	440/8	A	4	108/20	9	14	11	\$886	
DODGE									
ROYAL MONACO	360/8	A	4	105/20	11	18	13	\$750	
	440/8	A	4	105/20	9	14	11	\$886	
FORD									
FORD	400/8	A	2	103/22	10	16	12	\$812	
LINCOLN-MERCURY									
LINCOLN									
CONTINENTAL	400/8	A	2	113/20	10	16	12	\$812	
MERCURY	400/8	A	2	104/23	10	16	12	\$812	
OLDSMOBILE									
DELTA 88	231/6	A	2	109/20	16	21	18	\$542	
	350/8	A	4	109/20	15	21	17	\$574	
	403/8	A	4	109/20	13	19	15	\$650	
OLDSMOBILE 98	350/8	A	4	110/20	14	20	16	\$609	
	403/8	A	4	110/20	13	19	15	\$650	
TORONADO	403/8	A	4	105/17	12	18	14	\$696	
PLYMOUTH									
GRAN FURY	360/8	A	4	105/20	11	18	13	\$750	
	440/8	A	4	105/20	9	14	11	\$886	
PONTIAC									
PONTIAC	231/6	A	2	109/20	16	21	18	\$542	
	350/8	A	4	109/20	14	21	17	\$574	
	403/8	A	4	109/20	13	19	15	\$650	

TWO SEATERS

Manufacturers	Vehicle Description			Fuel Economy				
	Model	Engine Size/ cylinders	Transmission	Fuel System	City MPG	Highway MPG	Combined MPG	Average Annual Fuel Costs
CHEVROLET								
CORVETTE	350/8	A	4	14	18	15	\$650	
DATSUN								
280Z	168/6	M	FI	17	22	19	\$513	
	168/6	A	FI	16	19	18	\$542	
PORSCHE								
TURBO CARRERA	183/6*	M	FI	14	24	17	\$574	
911S	164/6*	M	FI	15	22	17	\$574	
	164/6*	S	FI	15	25	18	\$542	
924	121/4	M	FI	16	30	21	\$464	

*NOT EQUIPPED WITH CATALYST

Estimates

The fuel economy and average annual fuel cost information in this Guide are estimates. Even though you may not get the listed fuel economy because of where you drive—city versus country, mountains versus flat terrain, cold versus mild climate—and your personal driving habits, these estimates allow you to compare the relative fuel efficiency of different vehicles. The Interior Volume Index is one way of estimating the space in a car. It is based on three measurements only—head room, leg room, and shoulder room—for the front and rear seats, as well as trunk capacity. This index may be an average of different body styles within a model line.

SMALL STATION WAGONS

Manufacturers	Vehicle Description				Fuel Economy				
	Model	Engine Size/ cylinders	Transmission	Fuel System	Interior Volume Index passenger/ trunk	City MPG	Highway MPG	Combined MPG	Average Annual Fuel Costs
AMERICAN MOTORS									
HORNET WAGON		232/6	A	1	91/33	14	18	16	\$609
		258/6	A	1	91/33	14	17	15	\$650
		258/6	A	2	91/33	15	21	17	\$574
PACER WAGON		232/6	A	1	90/24	14	18	16	\$609
		258/6	A	1	90/24	14	17	15	\$650
		258/6	A	2	90/24	15	21	17	\$574
AUDI									
FOX WAGON		97/4	M	FI	83/40	22	37	27	\$361
		97/4	A	FI	83/40	23	32	27	\$361
CHEVROLET									
VEGA WAGON		140/4	M	2	84/25	23	33	27	\$361
		140/4	A	2	84/25	21	30	24	\$406
DATSUN									
F-10 WAGON		85/4	M	2	73/29	30	42	34	\$287
DODGE									
COLT WAGON		122/4*	M	2	80/35	15	27	19	\$513
		122/4*	A	2	80/35	18	29	22	\$443
FORD									
PINTO WAGON		140(2.3L)/4	M	2	81/31	22	34	26	\$375
		140(2.3L)/4	A	2	81/31	19	26	22	\$443
		171(2.8L)/6	A	2	81/31	17	20	18	\$542
LINCOLN-MERCURY									
BOBCAT WAGON		140(2.3L)/4	M	2	81/31	22	34	26	\$375
		140(2.3L)/4	A	2	81/31	19	26	22	\$443
		171(2.8L)/6	A	2	81/31	17	20	18	\$542
MAZDA									
RX-4 WAGON		80/2*	M	4	75/32	18	30	22	\$443
		80/2*	A	4	75/32	18	24	20	\$488
808 WAGON		78/4	M	2	68/26	30	39	34	\$287
		97/4	M	2	68/26	29	37	32	\$305
		97/4	A	2	68/26	26	32	29	\$336
PONTIAC									
ASTRE SAFARI WAGON		140/4	M	2	84/25	23	33	27	\$361
SUBARU									
SUBARU WAGON		97/4*	M	2	73/27	21	32	25	\$390
		97/4*	A	2	73/27	20	26	22	\$443
VOLKSWAGEN									
DASHER WAGON		97/4	M	FI	83/40	22	37	27	\$361
		97/4	A	FI	83/40	23	32	27	\$361
DASHER WAGON DIESEL		90/4*	M	FI	83/40	35	47	40	\$206

*NOT EQUIPPED WITH CATALYST

MID-SIZE STATION WAGONS

Manufacturers	Vehicle Description				Fuel Economy				
	Model	Engine Size/ cylinders	Transmission	Fuel System	Interior Volume Index passenger/ trunk	City MPG	Highway MPG	Combined MPG	Average Annual Fuel Costs
BUICK									
CENTURY WAGON	350/8	A	4	101/50	13	18	15	\$650	
CHEVROLET									
MALIBU WAGON	350/8	A	4	101/50	13	16	14	\$696	
DODGE									
ASPEN WAGON	225/6	A	1	99/39	16	19	17	\$574	
	318/8	A	2	99/39	11	16	13	\$750	
	360/8	A	4	99/39	11	18	14	\$696	
MONACO WAGON	360/8	A	4	104/50	11	18	13	\$750	
FORD									
LTD II WAGON	400/8	A	2	103/47	10	16	12	\$812	
LINCOLN-MERCURY									
COUGAR WAGON	400/8	A	2	102/47	10	16	12	\$812	
OLDSMOBILE									
VISTA CRUISER WAGON	350/8	A	4	101/50	13	18	15	\$650	
	403/8	A	4	101/50	12	18	14	\$696	
PLYMOUTH									
FURY WAGON	360/8	A	4	104/50	11	18	13	\$750	
VOLARE WAGON	225/6	A	1	99/39	16	19	17	\$574	
	318/8	A	2	99/39	11	16	13	\$750	
	360/8	A	4	99/39	11	18	14	\$696	
PONTIAC									
LEMANS SAFARI WAGON	350/8	A	4	101/50	13	18	15	\$650	
	403/8	A	4	101/50	12	18	14	\$696	

LARGE STATION WAGONS

Manufacturers	Vehicle Description				Fuel Economy			
	Model	Engine Size/ cylinders	Transmission	Fuel System	Interior Volume Index passenger/ trunk	City MPG	Highway MPG	Combined MPG
AMERICAN MOTORS								
MATADOR WAGON	304/8	A	2	112/50	12	16	13	\$750
BUICK								
ESTATE WAGON	350/8	A	4	111/51	14	20	16	\$609
CHEVROLET								
CHEVROLET WAGON	350/8	A	4	111/51	13	17	15	\$650
FORD								
FORD WAGON	400/8	A	2	108/56	10	16	12	\$812
LINCOLN-MERCURY								
MERCURY WAGON	400/8	A	2	108/56	10	16	12	\$812
OLDSMOBILE								
CUSTOM CRUISER WAGON	350/8	A	4	111/51	14	20	16	\$609
	403/8	A	4	111/51	13	19	15	\$650
PONTIAC								
PONTIAC SAFARI WAGON	350/8	A	4	111/51	14	20	16	\$609
	403/8	A	4	111/51	13	19	15	\$650

SMALL PICKUP TRUCKS

Manufacturers		Vehicle Description			Fuel Economy		
Model	Engine Size/ cylinders	Transmission	Fuel System	City MPG	Highway MPG	Combined MPG	Average Annual Fuel Costs
CHEVROLET LUV PICKUP	111/4	M	2	21	32	25	\$390
	111/4	A	2	19	28	23	\$424
DATSUN PICKUP	119/4	M	2	21	30	24	\$406
	119/4	A	2	22	28	24	\$406

STANDARD PICKUP TRUCKS

Manufacturers		Vehicle Description			Fuel Economy		
Model	Engine Size/ cylinders	Transmission	Fuel System	City MPG	Highway MPG	Combined MPG	Average Annual Fuel Costs
CHEVROLET EL CAMINO PICKUP	250/6	A	1	15	19	16	\$609
	350/8	A	4	13	17	15	\$650
	250/6	M	1	15	21	17	\$574
	250/6	A	1	14	20	16	\$609
	350/8	M	4	13	17	14	\$696
	350/8	A	4	13	17	14	\$696
DODGE PICKUP	225/6	M	1	16	24	19	\$513
	225/6	A	1	14	18	15	\$650
	318/8	M	2	13	20	16	\$609
	318/8	A	2	13	19	15	\$650
FORD PICKUP	302/8	M	2	15	24	18	\$542
	302/8	A	2	14	20	16	\$609
	351/8	A	2	13	19	15	\$650
	RANCHERO	351/8	A	2	12	18	14
400/8		A	2	10	16	12	\$812
GMC PICKUP	250/6	M	1	15	21	17	\$574
	250/6	A	1	14	20	16	\$609
	350/8	M	4	13	17	14	\$696
	350/8	A	4	13	17	14	\$696
	SPRINT	250/6	A	1	15	19	16
350/8		A	4	13	17	15	\$650

VANS/SPECIAL PURPOSE TRUCK

Manufacturers		Vehicle Description			Fuel Economy		
Model	Engine Size/ cylinders	Transmission	Fuel System	City MPG	Highway MPG	Combined MPG	Average Annual Fuel Costs
CHEVROLET							
LUV CAB CHASSIS	111/4	M	2	21	30	25	\$390
	111/4	A	2	21	27	23	\$424
VAN	250/6	M	1	16	23	18	\$542
	250/6	A	1	14	20	16	\$609
	350/8	M	4	13	17	14	\$696
	350/8	A	4	13	18	15	\$650
DODGE							
UTILITY	225/6	M	1	16	24	19	\$513
	225/6	A	1	14	18	15	\$650
	318/8	M	2	13	21	16	\$609
	318/8	A	2	13	19	15	\$650
VAN	225/6	M	1	16	24	19	\$513
	225/6	A	1	14	18	15	\$650
	318/8	M	2	13	20	16	\$609
	318/8	A	2	13	19	15	\$650
FORD							
BRONCO	302/8	A	2	14	20	16	\$609
VAN (ECONO- LINE/CLUB WAGON)	300/6	A	1	17	24	19	\$513
	351/8	A	2	13	19	15	\$650
GMC							
VAN	250/6	M	1	16	23	18	\$542
	250/6	A	1	14	20	16	\$609
	350/8	M	4	13	17	14	\$696
	350/8	A	4	13	18	15	\$650
JEEP							
JEEP	258/6	M	1	13	18	15	\$650
	258/6	A	1	12	16	14	\$696
	304/8	A	2	12	17	14	\$696
PLYMOUTH							
UTILITY	225/6	M	1	16	24	19	\$513
	225/6	A	1	14	18	15	\$650
	318/8	M	2	13	21	16	\$609
	318/8	A	2	13	19	15	\$650
VAN	225/6	M	1	16	24	19	\$513
	225/6	A	1	14	18	15	\$650
	318/8	M	2	13	20	16	\$609
	318/8	A	2	13	19	15	\$650
VOLKSWAGEN							
BUS (WAGON, KOMBI, CAMPMOBILE)	120/4	M	FI	18	28	22	\$443
	120/4	A	FI	18	25	21	\$464

Fuel Costs, In Dollars, Per 10,000 Miles

Example: If you pay an average of 60 cents per gallon and your car gets 12 MPG, your fuel cost for 10,000 miles of driving is \$500. If you drive 20,000 miles a year, your annual fuel cost will be twice this figure, or \$1,000. If you own a car that gets 20 MPG, your annual fuel cost for 10,000 miles at 60 cents per gallon is \$300.

Com- bined City/ High- way MPG	Cents Per Gallon						
	75	70	65	60	55	50	45
50	\$150	\$140	\$130	\$120	\$110	\$100	\$90
48	156	146	135	125	115	104	94
46	163	152	141	130	120	109	98
44	170	159	148	136	125	114	102
42	178	167	155	143	131	119	107
40	188	175	162	150	138	125	112
38	197	184	171	158	145	132	118
36	208	194	181	167	153	139	125
34	221	206	191	176	162	147	132
32	234	219	203	188	172	156	141
30	250	233	217	200	183	167	150
28	268	250	232	214	196	179	161
26	288	269	250	231	212	192	173
24	312	292	271	250	229	208	188
22	341	318	295	273	250	227	205
20	375	350	325	300	275	250	225
18	417	389	361	333	306	278	250
16	469	438	406	375	344	313	281
14	536	500	464	429	393	357	321
12	625	583	542	500	458	417	375
10	750	700	650	600	550	500	450

Fuel Economy Tests

The city and highway fuel economy values in this Guide come from tests conducted or approved by the U.S. Environmental Protection Agency (EPA). These tests are performed on vehicles submitted by the auto industry to EPA to demonstrate compliance with the requirements of the Clean Air Act and the Energy Policy and Conservation Act. Each vehicle is tested under precisely controlled conditions by professional drivers in a laboratory on a dynamometer. The dynamometer is a machine that permits exact simulation of the vehicle's operation under various driving conditions. Temperature is controlled in the laboratory in a range of 68° to 86° F. in order to provide the same temperature conditions for all vehicles.

City Test

This test simulates a 7.5-mile, stop-and-go trip with a speed range of 0 to 56 MPH, and an average speed of 20 MPH. The trip takes 23 minutes and has 18 stops. Eighteen percent of the trip is spent idling, such as would be expected in the city at traffic lights or in rush-hour traffic. Two kinds of engine starts are used. One is a cold start, which is similar to starting a car in the morning after it has been parked all night. The other is a hot start, which is similar to starting a vehicle after having parked it for a short time while shopping. The information from this test is then combined to represent the fuel economy of that vehicle during a realistic mixture of hot and cold starts during urban driving conditions.

Highway Test

This test simulates a 10-mile, **non-stop** trip that begins with the vehicle warmed up. The trip has an average speed of about 50 MPH and lasts 13 minutes. The speed during the test ranges from 0 to 60 MPH. **If your highway driving speed averages faster than the test's average of 50 MPH, you should expect to achieve poorer fuel economy** than the highway fuel economy estimate in this Guide. The amount of this decrease is approximately 10 to 15 percent for every 10 MPH above 50 MPH.

Factors That Affect Fuel Economy

The fuel economy numbers in this Guide are the result of carefully controlled tests performed on well-maintained test vehicles. Any differences between the test conditions and the condition of your vehicle, your driving habits, and the road and traffic conditions under which you have to drive will probably result in a different fuel economy from that listed for your car. You can control some of these differences, such as your vehicle's engine condition and your driving habits. Other differences, such as weather, traffic, or hilly conditions, cannot be changed.

When And Where You Drive

Temperature

Summer temperatures (over 70°F.) are better for fuel economy than winter temperatures. At 20°F., for example, there can be an approximate 8-percent fuel economy loss compared to the combined MPG number in this Guide. For a 20-MPG (combined) vehicle, this is about 1.5 MPG.

Wind

Wind can increase or decrease fuel economy. Examples for a car that normally gets 20 MPG (combined) are:

18 MPH tailwind→about 12-percent gain in fuel economy (2.4 MPG).

18 MPH crosswind→about 1-percent loss in fuel economy (0.2 MPG).

18 MPH headwind→about 10-percent loss in fuel economy (2 MPG).

Precipitation

Rain or snow, and the wet roads that result, can cause an approximate 10-percent loss in fuel economy (2 MPG for a 20-MPG vehicle).

Road Condition

Rough or loose road surfaces (such as sand or gravel) can also cause a fuel economy loss ranging between 10 and 30 percent (or 2 to 6 MPG for a 20-MPG vehicle). Cars use more fuel on hilly roads than flat roads. The fuel saved in going downhill does not equal the extra fuel used going uphill. Mountain driving causes an even greater fuel economy penalty.

How You Drive

An engine that is already warmed up (such as one that was used in the last 4 hours) requires less fuel to reach its most efficient operating condition than a "cold" engine (such as one in a car parked overnight). Trip length also affects fuel economy. Shorter trips (under 5 miles) do not allow the engine to reach its best operating condition, whereas longer trips allow the peak operating temperature and engine condition to be obtained. This does not mean that you can save fuel by increasing the length of your short trips. It does mean that by combining numerous short trips into a single, longer trip you can save fuel by reducing the total miles driven as well as taking advantage of your vehicle's warmed-up condition.

Smooth, even driving improves fuel economy performance; therefore, try to avoid sudden stops and starts. By anticipating stop lights and intersections, you can slow down gradually. Also, avoid rapid accelerations. On the highway, you will improve your fuel economy by driving at or below the 55-MPH speed limit.

Your Vehicle's Condition

The condition of your vehicle is important, too, for fuel economy reasons:

- **Maintain your vehicle according to the manufacturer's specifications. On the average, a tuned-up vehicle gets approximately 3 to 9 percent better fuel economy than one that has not been properly maintained.**
- **Keep the tires inflated to the proper pressure. Underinflated tires can cause a fuel economy loss.**

For a more detailed technical discussion of the factors that affect fuel economy, write for "Factors Affecting Fuel Economy." This is available free from:

**Public Information Center (PM-215)
U.S. Environmental Protection Agency
Washington, D.C. 20460**

Fuel Economy Labels

All 1977 passenger automobiles and light trucks are required to have gas mileage labels if they have gross vehicle weights of 6000 pounds or less. There are two types of labels. The one that will appear on most vehicles is the **General Label**. The fuel economy numbers on these labels are the same as those that appear in this "Gas Mileage Guide" and are based on an average of fuel economy test results for similar versions of a given model.

The **Specific Label** (which will be clearly marked "Specific Label") will have additional information about that vehicle's characteristics and will have fuel economy estimates that relate to a **specific individual** vehicle within the model line.

Because of this, the Specific Label in some cases will have fuel economy estimates that are different from the General Label values in the "Gas Mileage Guide."

Also, the estimates on a Specific Label may not fall into the range of fuel economy estimates listed for its class. This is because a specific model may be more fuel efficient than the average for the model type.

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