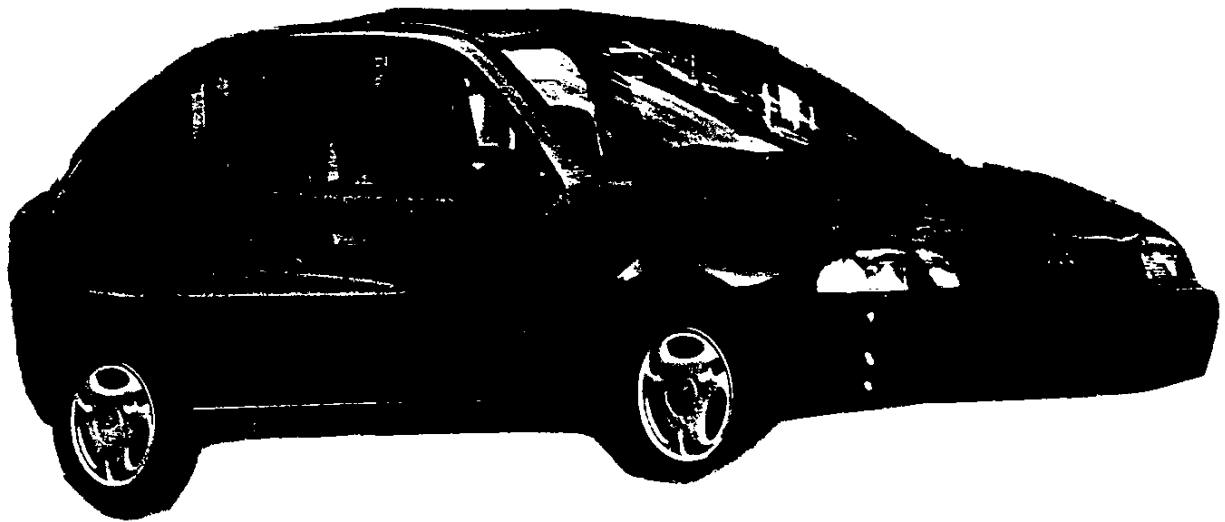




# 1998 METRO

## Restoration Packet





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1998 Metro



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For Release: September 1, 1997

11716-6/97

## **1998 METRO SPORTS A NEW LOOK ... AND MATCHING CHEVROLET BOWTIE**

**WARREN, Mich.** — Chevrolet Metro, the nation's highest mileage passenger car for seven of the past eight years, enters 1998 with a contemporary new appearance, a new engine and a new place within the Chevrolet lineup.

As the low-cost, high-mileage coupe and sedan, Metro provides a logical entry point for younger and first-time buyers into the complete Chevrolet lineup.

For 1998, all Metro models get redesigned front and rear fascias for a stylish look. There are also new seat fabrics, composite headlamps and a new exterior color, California Gold Metallic. Even the wheel covers for the Coupe and Sedan models get a fresh look for 1998, complementing the enhanced exterior treatment.

Under the hood, the throttle-body Electronic Fuel Injection system has been replaced by a Multi-Port Fuel Injection (MFI) design, for the 1.3 Liter 4-cylinder engine on LSi Coupe and LSi Sedan. MFI places one injector at each cylinder for quicker, more precise fuel delivery. And now, engine breathing is facilitated with four valves instead of two.

"A lot of people immediately think of a used car when they're looking for economical transportation," said Rick Scheidt, Metro Brand Manager. "But, our owners trust Metro to give them fun, inexpensive transportation, great fuel economy and 'new car' peace of mind." It's surprisingly well equipped and provides lots of standard safety and convenience features not available on Toyota Tercel or Hyundai Accent, like Daytime Running Lamps and Scotchgard™ Protector.

Four-wheel independent suspension and stainless-steel exhaust muffler and tailpipe are also standard. And, making room for cargo is easy with standard rear full-folding seats on all models and an optional rear split-folding seat with pass-through feature on the LSi Sedan.

— MORE —



11716-6/97

For 1998, Chevrolet will be targeting the twenty-something generation with Metro through several partnership efforts, including free movie screenings at college campuses, the HORDE Music Festival (Horizons Of Rock Developing Everywhere) and Campus Fest. These touring events will increase brand awareness among young adults with vehicle displays, entertaining movies, music and games.

"With the new look and revised engine technology, we believe Metro is a better transportation investment than ever," Scheidt said.

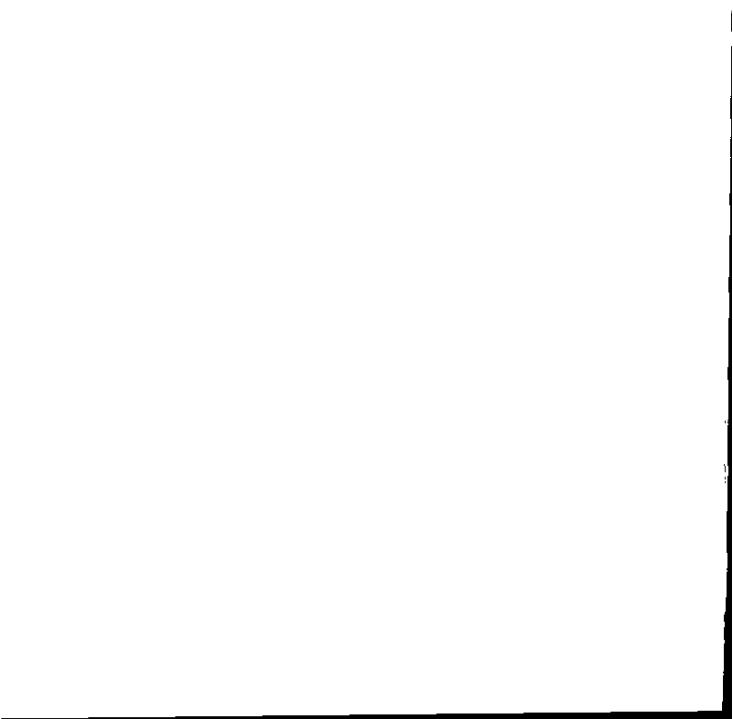
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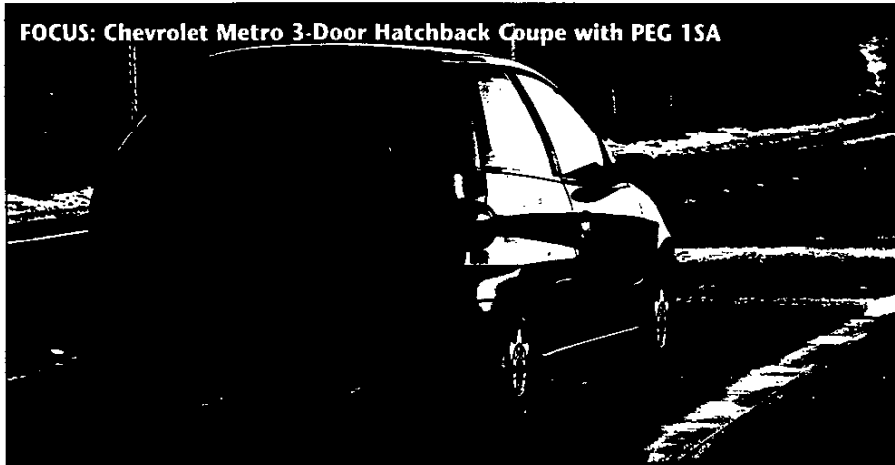
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# Metro

Dealer Order Guide inserts are your first look at Chevrolet Passenger Car models for 1998. Overall improvements, changes and deletions are highlighted. Use these inserts to assist you in ordering your initial shipments. NOTE: This information is preliminary and is subject to change.



**FOCUS:** Chevrolet Metro 3-Door Hatchback Coupe with PEG 1SA



**FEATURE:** Chevrolet Metro LSi Sedan

## Metro at a glance

*For first-time buyers in search of a fun, economical car to fit into their budgets, Chevy Metro responds with the highest MPG\* of any car in the U.S., a low purchase price, low maintenance costs and the security of owning a brand-new car.*

\* Pending 1998 MPG figures. The 1997 Metro Coupe had the highest mileage of any car in America. The 1998 models are anticipated to continue to be among the most fuel-efficient vehicles available.



The Focus vehicle is the model chosen for its saleability. It is equipped with the product features that customers want most. Generally, it is the "volume" vehicle that comprises the majority of the build. You'll want to be sure you have several of these models in stock. NOTE: Model, PEG and optional equipment may vary in your locality. Use the Retail Sales Analysis (RSA) to verify or select your dealership's Focus vehicle content.

### Chevrolet Metro 3-Door Hatchback Coupe with PEG 1SA (image above, top, shown with optional body-side moldings)

The Focus vehicle for 1998 is Metro 3-Door Hatchback Coupe with Preferred Equipment Group 1SA. This affordable, high gas mileage\* hatchback features a 1.0 Liter, 3-cylinder engine and standard driver and front-passenger air bags. The sporty exterior of Metro 3-Door Coupe features flush headlamps, styled-steel wheels with center caps and dark gray front and rear bumpers.

#### Ordering Recommendations:

Recommended Metro 3-Door Hatchback Coupe content, based on national sales volume, is listed below to assist your dealership in ordering.

Metro 3-Door Hatchback Coupe with Preferred Equipment Group 1SA includes standard equipment only (see page 4 for details).

#### Suggested individual options:

- 4-Wheel Anti-Lock Brakes (ABS)
- Rear-Window Defogger
- Body-Side Moldings
- Front and Rear Carpeted Floor Mats, Color Keyed.

Popular Colors: Woodland Green Metallic and Wildfire Red.

\* Pending 1998 MPG figures. The 1997 Metro Coupe had the highest mileage of any car in America. The 1998 models are anticipated to



### Chevrolet Metro LSi Sedan and Base Coupe

(LSi Sedan shown above, bottom)

The Feature vehicle is the "image" model Chevrolet will profile most in its advertising. Generally, it does the best job of capturing attention and creating consumer awareness.

The Feature vehicles for 1998 are the Metro LSi Sedan and Base Coupe. These economic vehicles offer new-car peace of mind and high MPG — all for a low cost. And, the surprisingly substantial build of Metro delivers the solid, secure feeling you might not expect in a small car, making Metro LSi Sedan and Base Coupe appealing entry-level choices for 1998.

#### Metro LSi Sedan standard features include:

- Standard Driver and Front-Passenger Air Bags
- Power Front Disc/Rear Drum Brakes
- Stainless-Steel Muffler and Tailpipe
- Scotchgard™ Protector on Cloth Seats
- Storage Bins in Driver and Front-Passenger Doors
- Full-Folding Rear Seats
- Full Carpeting and Custom Cloth with Vinyl Seating
- 7-Spoke Full Wheel Cover.

Lead Colors: Wildfire Red (Base Coupe), Scuba Blue Metallic (LSi Sedan).

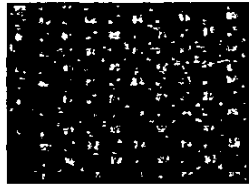


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**Trim Colors**



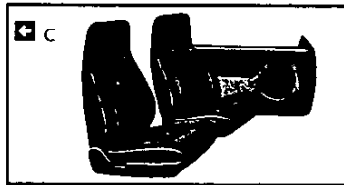
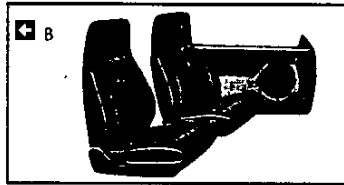
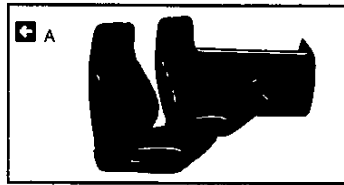
Sport Cloth and Vinyl available in Gray with accents\* (Base Coupe).



Custom Cloth and Vinyl available in Gray (LSi Coupe and Sedan).

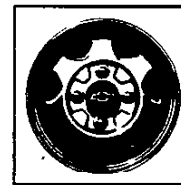
\*Based on exterior color.

**Seat Styles**

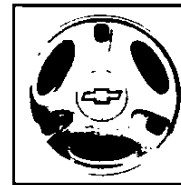


- A. Bucket seats, fully reclining with integral head restraints (Base Coupe).
- B. Bucket seats, fully reclining with integral head restraints (LSi Coupe).
- C. Bucket seats, fully reclining with integral head restraints (LSi Sedan).

**Wheels**



Metro standard styled-steel wheel with center cap (Base Coupe only).



Metro new optional 3-spoke full wheel cover (Base Coupe with PEG 1SB and 1SC only).



Metro LSi new standard 7-spoke full wheel cover.

**Exterior/Interior Color Availability**

**INTERIOR MATERIAL COLOR**

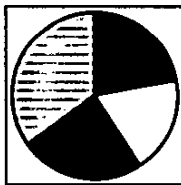
Gray
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**EXTERIOR COLORS\***

Woodland Green	✓
Metallic	✓
White	✓
Wildfire Red†	✓
Black	✓
Licorice	✓

\*See Order Guide for color availability by model. †Coupe only.

**Most Popular Exterior Colors by Percentage**



Clockwise, at left, are the anticipated four most popular Metro colors for 1998, based on national sales volume. They are listed for reference only. To identify the top-selling colors in your area, by model, use the Retail Sales Analysis (RSA).

Woodland Green Metallic	22%
White	19%
Wildfire Red	13%
Black Licorice	11%
Other colors	35%

NOTE: New Metro exterior color is California Gold Metallic (#58). Slate Green Metallic (#38), Azurite Blue Metallic (#39) and Super Grape Metallic (#84) have been deleted.

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# Metro



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S.P.A.C.E. is an acronym to help explain 1998 models for this brand. Overall improvements, changes and deletions are highlighted. Please review the supplied information, keeping in mind that this material is provided to you before production start-up — and is liable to change.

## S.P.A.C.E. (New-for-98 features appear in color.)

### **S** SAFETY AND SECURITY

• DRIVER AND FRONT-PASSENGER AIR BAGS — help reduce the chance of injury in certain moderate to severe frontal collisions. Always wear safety belts, even with air bags. • POWER FRONT DISC/REAR DRUM BRAKES — provide sure stopping power with minimal pedal effort. • OPTIONAL ANTI-LOCK BRAKE SYSTEM (ABS) — helps reduce wheel lockup and helps driver maintain steering control during severe braking, even on slippery surfaces. • REAR OUTBOARD LAP/SHOULDER SAFETY BELTS — provide additional protection for rear-seat occupants. • BRAKE/TRANSMISSION SHIFT INTERLOCK — prevents transmission from being shifted out of Park without first applying the foot brake (automatic transmissions only). • CLUTCH STARTER INTERLOCK — prevents vehicle from being started in gear (manual transmission). • AUTOMATIC DAYTIME RUNNING LAMPS — automatically come on at a low intensity when the ignition is turned on, increasing the vehicle's visibility to other drivers. Headlamps operate normally at night, when activated.

### **P** PERFORMANCE

• 1.3 LITER 4-CYLINDER MULTI-PORT FUEL INJECTION ENGINE (STANDARD ON LSi COUPE AND LSi SEDAN) — now featuring four valves per cylinder (instead of two), this single overhead camshaft engine delivers smooth, responsive performance. • 1.0 LITER 3-CYLINDER ELECTRONIC FUEL-INJECTED ENGINE (STANDARD ON COUPE ONLY) — single overhead camshaft design helps provide impressive response through a wide rpm range. • TRANSMISSION CHOICES — 5-speed manual with fourth- and fifth-gear overdrive is standard in all models. A 3-speed automatic is optional with the 4-cylinder 1.3 Liter engine, which is standard in LSi models. • OPTIONAL TACHOMETER — provides engine rpm readout for precise shift points. • FOUR-WHEEL INDEPENDENT SUSPENSION — permits each wheel to travel over bumps without disturbing opposite wheels.

### **A** APPEARANCE

• FRONT AND REAR FASCIAS AND COMPOSITE HEADLAMPS — provide a fresh look to the Metro lineup for 1998. • WHEEL COVERS FOR BASE AND LSi MODELS (NEW WHEEL COVERS OPTIONAL ON BASE MODEL) — add an attractive, refreshed look. • INTERIOR FABRIC — a stylish addition to the Metro interior. • ONE NEW EXTERIOR COLOR — California Gold. • FULL CARPETING — provides increased passenger comfort, reduces noise and adds to the appearance of the interior. • DARK GRAY BODY-SIDE MOLDINGS — add a European flair to exterior styling. (Standard on LSi, optional on Base Coupe.)

### **C** COMFORT AND CONVENIENCE

• FAMILY OF RADIOS — brings new levels of listening pleasure to Metro owners for 1998. • OPTIONAL AIR CONDITIONING WITH CFC-FREE REFRIGERANT — quickly cools the interior for maximum occupant comfort. Refrigerant contains no ozone-depleting CFCs. • CENTER CONSOLE WITH DUAL CUP HOLDERS AND STORAGE TRAY — provides convenient storage and access to beverages for front-seat occupants.

### **E** EASY-TO-OWN

• ZINC-RICH GALVANIZED-STEEL BODY PANELS — helps protect exterior from rust. • SCOTCHGARD™ PROTECTOR — on cloth seats, resists stains and makes cleanup easy. • STANDARD OBD II — makes engine diagnostics easy. • GENUINE CUSTOMER CARE — features a 3-year/36,000-mile, no-deductible Bumper to Bumper limited warranty, 24-Hour Roadside Assistance via a toll-free hot line and Courtesy Transportation, at participating dealers, if your vehicle ever needs warranty work.

Metro

© 1997. All information correct at time of printing.



## • Competitive Models

- Hyundai Accent
- Toyota Tercel
- Kia Sephia.

## New for 1998

- Rebadged as a Chevrolet model for 1998, the Metro lineup features new front and rear fascias and new composite headlamps for a fresh, new look.
- An improved 1.3 Liter 4-cylinder MFI engine with four valves per cylinder is standard in LSi Coupe and LSi Sedan models, and replaces the former two-valve configuration for better acceleration and more responsive performance through a wide rpm range. Features include a Multi-Port Fuel Injection system and a single overhead camshaft. Base Metro 3-Door Coupe continues to feature a standard 1.0 Liter SOHC 3-cylinder EFI engine. Both engines feature long-life fuel filters and timing belts. The overhead camshaft designs of these engines eliminate much of the valvetrain hardware that conventional pushrod designs utilize.
- A new lineup of available sound systems brings new levels of listening pleasure to the Metro lineup for 1998.

## Additional Information on Significant Features

- An available four-wheel anti-lock brake system (ABS) is designed to help the driver maintain vehicle control during braking, even under many adverse road conditions, by minimizing wheel lockup.

Feature Availability	Metro Coupe	Metro LSi Coupe	Metro LSi Sedan
<b>INTERIOR</b>			
Air Bags – Driver and Front-Passenger	S	S	S
Air Conditioning – w/CFC-Free Refrigerant	O	O	O
Cargo Security Cover	NA	O*	NA
Carpeting – Full	S	S	S
Door Locks – Power	NA	NA	O
– Child Security, Rear	NA	NA	S
Defogger – Rear-Window	O	O	O
Floor Mats – Carpeted	O	O	O
Mirrors – Inside, Day/Night Rearview	S	S	S
Scotchgard™ Protector – on Cloth Seats	S	S	S
Seats – Rear Full-Folding	S	S	S
– Rear Split-Folding w/Pass-Through Feature	NA	NA	O*
Stereo – AM/FM	O	O	O
– AM/FM w/Cassette Player	O	O	O
– AM/FM w/CD Player	NA	O	O
Tachometer	O	O	O
Trip Odometer	O <sup>1</sup>	S	S
Wipers – Intermittent	NA	S	S
– Rear Wiper/Washer	NA	O**	NA
<b>EXTERIOR</b>			
Bumpers – Body-Color	NA	S	S
Exhaust System – Stainless-Steel Muffler, Tailpipe	S	S	S
Daytime Running Lamps	S	S	S
Mirrors – Outside, Black, LH/RH Manual	S	S	S
– Outside, Black, LH/RH Remote	NA	O*	O*
Moldings – Dark Gray Body-Side	O	S	S
Tires – P155/80R-13 All-Season	S	S	S
Wheels – 13" Styled-Steel	S	NA	NA
Wheel Covers – 3-Spoke, Full	O	NA	NA
– 7-Spoke, Full	NA	S	S
<b>FUNCTIONAL</b>			
Brakes – Power Front Disc/Rear Drum	S	S	S
– 4-Wheel Anti-Lock Brake System (ABS)	O	O	O
Brake/Transmission Shift Interlock	NA	O	O
Engine – 1.0 Liter SOHC L3 EFI	S	NA	NA
– 1.3 Liter SOHC L4 MFI	NA	S	S
Steering – Power	NA	NA	O
Suspension – 4-Wheel Independent	S	S	S
Transmission – 5-Speed Manual	S	S	S
– 3-Speed Automatic	NA	O	O

S—Standard. O — Optional (some options may be available only as part of a Preferred Equipment Group; see your Order Guide for feature availability). NA — Not available. \*Only available with Optional LSi Convenience Package. <sup>1</sup>The trip odometer is included when a tachometer is ordered. \*\*Requires rear defogger.





# 1998 METRO HIGHLIGHTS

## NEW FOR 1998

- **Badged Chevrolet**
- **Front And Rear Bumpers And Facia Including All-New Composite Headlamps On Base Coupe**
- **LSi Engine For Better Acceleration**
- **Radio Provision Installation Specification: Includes Antenna And Four Speakers**
- **Standard Axle Ratio Reflected On Standard Feature Page (Removed Power Team Chart)**

## EXTERIOR

- **Optional Front License Plate Bracket**
- **All-New Wheel Covers**

## INTERIOR

- **Content Changes To Convenience Group Package (Z05) On Both LSi Coupe And Sedan Models**
- **New Radio Family Including Separate CD Player Available On All Models**
- **All-New Fabrics**

## COLORS

- **California Gold Metallic**



## EQUIPMENT SUMMARY

<u>STANDARD INTERIOR FEATURES</u>		COUPE BASE	COUPE LSi	SEDAN LSi
DEFOGGER, VENTS:	ADJUSTABLE FRONT CENTER AND SIDE, FIXED SIDE WINDOW AND WINDSHIELD DEFOGGER	S	S	S
GAUGES:	SPEEDOMETER, FUEL, COOLANT TEMPERATURE TRIP ODOMETER	S --	S S	S S
LIGHTING:	DOME, 3-POSITION (ON/OFF/DRIVER DOOR ACTUATED)	S	S	S
LOCKS:	CHILD SECURITY, REAR	--	--	S
RESTRAINT SYSTEMS:	DUAL AIR BAGS FOUR LAP-SHOULDER SAFETY BELTS CHILD SEAT ANCHOR PROVISIONS IN REAR SEATS	S S S	S S S	S S S
WARNING TONES:	HEADLAMPS-ON, KEY-IN-IGNITION	S	S	S
 <u>STANDARD EXTERIOR FEATURES</u>				
DOORS:	HANDLES, BLACK	S	S	S
LAMPS:	DAYTIME RUNNING	S	S	S
PILLAR	CENTER, BLACK	S	S	S
TIRES:	P155/80R-13 ALL-SEASON STEEL-BELTED RADIAL BLACKWALL	S S	S S	S S
WIPERS:	FIXED, 2-SPEED FIXED, INTERMITTENT	S --	-- S	-- S
 <u>STANDARD CHASSIS FEATURES</u>				
AXLES:	w/MM5 - 4.39 w/MM5 - 3.79 w/MX1 - 3.61	S -- --	-- S S	-- S S
BRAKES:	POWER FRONT DISC/REAR DRUM PARKING BRAKE, CONSOLE MOUNTED	S S	S S	S S
ENGINE:	1.0 LITER SINGLE OVERHEAD CAMSHAFT 3-CYLINDER ELECTRONIC FUEL INJECTION 1.3 LITER SINGLE OVERHEAD CAMSHAFT 4-CYLINDER MULTI-PORT FUEL INJECTION	S -- --	-- -- S	-- -- S
EXHAUST:	STAINLESS STEEL MUFFLER AND TAILPIPE	S	S	S
STEERING:	RACK-AND-PINON	S	S	S
SUSPENSION:	INDEPENDENT 4-WHEEL, MACPHERSON STRUT WITH FRONT AND REAR STABILIZER BARS	S S	S S	S S
TRANSMISSION:	5-SPEED MANUAL WITH 4TH AND 5TH GEAR OVERDRIVE	S S	S S	S S



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# METRO

## EQUIPMENT SUMMARY

### INTERIOR TRIM

		COUPE BASE	COUPE LSi	SEDAN LSi
CONSOLE:	CENTER WITH DUAL CUP HOLDERS AND STORAGE TRAY	S	S	S
DOORS:	FRONT AND REAR 3-DIMENSIONAL TRIM WITH INTEGRAL ARMREST AND VINYL TRIM	S	S	S
FLOOR COVERING:	FULL CARPETING	S	S	S
LIGHTER:	CIGARETTE LIGHTER/POWER SOCKET	S	S	S
MIRRORS:	INSIDE DAY/NIGHT REARVIEW	S	S	S
SCOTCHGARD:	CLOTH SEAT FABRIC PROTECTOR	S	S	S
SEAT TRIM:	CUSTOM CLOTH COVERED SEATING SURFACE, VINYL SIDES AND SEAT-BACKS	--	S	S
	SPORT CLOTH COVERED SEATING SURFACE WITH VINYL SIDES AND SEAT-BACKS	S	--	--
SEATS FRONT:	BUCKET, FULLY RECLINING WITH INTEGRAL HEAD RESTRAINTS	S	S	S
SEATS REAR:	FULL-FOLDING	S	S	S
STORAGE BINS:	DUAL, DRIVER AND PASSENGER DOORS AND COIN HOLDER	S	S	S

### EXTERIOR TRIM

BUMPERS:	FRONT AND REAR, BODY-COLOR, PAINTED, 5 MPH	--	S	S
	FRONT AND REAR, MOLDED-IN-COLOR GRAY, 5 MPH	S	--	--
HEADLAMPS:	COMPOSITE HALOGEN WITH INTEGRAL TURN SIGNAL	S	S	S
MIRRORS:	DUAL OUTSIDE, LH AND RH MANUAL, BLACK	S	S	S
MOLDINGS:	BODY-SIDE, GRAPHITE GRAY	--	S	S
WHEELS:	7-SPOKE FULL PAINTED WHEEL COVER	--	S	S
	PAINTED STEEL WITH BLACK CENTER CAPS	S	--	--



**HATCHBACK COUPE MODEL 1MR08**  
**MUST ORDER ONE GROUP - NO DELETIONS ALLOWED**

	1SA	1SB	1SC
<b>Preferred Equipment Group 1</b> (Refer Standard Equipment Summary)	x	x	x
<b>Preferred Equipment Group 2</b>			
Floor Mats, Front and Rear, Carpeted		x	x
Moldings, Body-Side		x	x
Seat, Easy Entry Passenger		x	x
Wheels, 3-Spoke Full Cover		x	x
<b>Preferred Equipment Group 3</b>			
Air Conditioning			x
Electronically Tuned AM/FM Stereo Radio w/Seek, Digital Clock, and Four Speakers			x

**OPTION ADDITIONAL OPTIONS**

**ACKNOWLEDGEMENTS:**

R8S Multiple Order Numbers

R8T Preliminary Invoice

**AIR CONDITIONING: (Note: Must Specify One Of The Following)**

C60 Air Conditioning (Incl w/Group 1SC)

R6G Air Conditioning Not Desired (N/A w/Group 1SC)

VK3 **BRACKET:** License Plate, Front

JM4 **BRAKES:** 4-Wheel Anti-Lock

**DEFOGGER: (Note: Must Specify One Of The Following)**

C49 Rear Window Defogger

R9W Rear Window Defogger Not Desired

**EMISSIONS: (Note: Must Specify One Of The Following)(Refer Emission Requirements Tab)**

FE9 Federal Emission Requirements

NG1 New York, Massachusetts or Connecticut Emission Requirements

YF5 California Emission Requirements

NB8 CA, NY, MA or CT Emission Override (Reqs FE9 Emissions)

NC7 Federal Emission Override (Reqs YF5 or NG1)

B37 **FLOOR MATS:** Front and Rear, Carpeted, Color-Keyed (Incl w/Groups 1SB or 1SC)

B84 **MOLDINGS:** Body-Side (Incl w/Groups 1SB or 1SC)

**RADIO EQUIPMENT ( Note: Must Specify One Of The Following)**

W8X Radio Provision Installation: Includes Antenna and Four Speakers(Incl w/UL1, UL0, UN0 Radio)

R8H Radio Provision Not Desired

UL1 Electronically Tuned AM/FM Stereo Radio w/Seek, Digital Clock, and Four Speakers (Incl w/Group 1SC) (Includes W8X Radio Provision)

UL0 Electronically Tuned AM/FM Stereo Radio w/Seek, Tone Select, Stereo Cassette Player, Digital Clock and Four Speakers (Includes W8X Radio Provision)

UN0 Electronically Tuned AM/FM Stereo Radio w/Seek, Tone Select, Compact Disk Player, Digital Clock, and Four Speakers (Includes W8X Radio Provision)

U16 **TACHOMETER:** (Incls Trip Odometer)





**METRO****BASE HATCHBACK COUPE****INTERIOR AND EXTERIOR COLOR AVAILABILITY CHARTS**

PLEASE NOTE: The Exterior Paint and Interior Trim Combinations Shown Below are the Only Combinations that are Available.

MODEL	SEAT TYPE	
1MR08	Sport Cloth Bucket	GRAY
Exterior Paint Color	Color Code	Gray
Black Licorice	19U	x
Blue, Scuba (Met)	32U	x
Gold, California (Met)	58U	x
Green, Woodland (Met)	43U	x
Red, Wildfire	74U	x
Sage, Silver (Met)	18U	x
White	16U	x



**LSi HATCHBACK COUPE MODEL 1MR08**

**MUST ORDER ONE GROUP - NO DELETIONS ALLOWED**

	1SD	1SE
<b>Preferred Equipment Group 1</b> (Refer Standard Equipment Summary)	x	x
<b>Preferred Equipment Group 2</b>		
Air Conditioning		x
Electronically Tuned AM/FM Stereo Radio w/Seek, Tone Select, Stereo Cassette Player, Digital Clock and Four Speakers		x
Floor Mats, Front and Rear, Carpeted, Color-Keyed		x

**OPTIONS**

**ADDITIONAL OPTIONS**

**ACKNOWLEDGEMENTS:**

- R8S** Multiple Order Numbers
- R8T** Preliminary Invoice

**AIR CONDITIONING: (Note: Must Specify One Of The Following)**

- C60** Air Conditioning (Incl w/Group 1SE)
- R6G** Air Conditioning Not Desired (N/A w/Group 1SE)

- VK3** **BRACKET:** License Plate, Front

- JM4** **BRAKES:** 4-Wheel Anti-Lock

- Z05** **CONVENIENCE PACKAGE:** Includes Dual Manual Remote Mirrors, Easy-Entry Passenger Seat, and Security Cargo Cover

**DEFOGGER: (Note: Must Specify One Of The Following)**

- C49** Rear Window Defogger
- R9W** Rear Window Defogger Not Desired

**EMISSIONS: (Note: Must Specify One Of The Following)(Refer Emission Requirements Tab)**

- FE9** Federal Emission Requirements
- NG1** New York, Massachusetts or Connecticut Emission Requirements
- YF5** California Emission Requirements
- NB8** CA, NY, MA or CT Emission Override (Reqs FE9 Emissions)
- NC7** Federal Emission Override (Reqs YF5 or NG1)

- B37** **FLOOR MATS:** Front and Rear, Carpeted, Color-Keyed (Incl w/Group1SE)

**RADIO EQUIPMENT: (Note: Must Specify One Of The Following)**

- W8X** Radio Provision Installation: Includes Antenna and Four Speakers (Incl w/UL1, UL0, UN0 Radio)
- R8H** Radio Provision Not Desired
- UL1** Electronically Tuned AM/FM Stereo Radio w/Seek, Digital Clock, and Four Speakers (N/A w/Group 1SE) (Includes W8X Radio Provision)
- UL0** Electronically Tuned AM/FM Stereo Radio w/Seek, Tone Select, Stereo Cassette Player, Digital Clock and Four Speakers (Incl w/Group 1SE) (Includes W8X Radio Provision)
- UN0** Electronically Tuned AM/FM Stereo Radio w/Seek, Tone Select, Compact Disk Player, Digital Clock, and Four Speakers (Includes W8X Radio Provision)

- U16** **TACHOMETER**

**TRANSMISSIONS: (Note: Must Specify One Of The Following)**

- MM5** 5-Speed Manual with 4th and 5th Gear Overdrive
- MX1** 3-Speed Automatic
- C25** **WIPER/WASHER:** Rear Window (Reqs C49 Defogger)



# METRO

## LSi HATCHBACK COUPE

### INTERIOR AND EXTERIOR COLOR AVAILABILITY CHART

**PLEASE NOTE:** The Exterior Paint and Interior Trim Combinations Shown Below are the Only Combinations that are available.

MODEL	SEAT TYPE	
1MR08	Custom Cloth Bucket	GRAY
Exterior Paint	Color	
Color	Code	Gray
Black Licorice	19U	x
Blue, Scuba (Met)	32U	x
Gold, California (Met)	58U	x
Green, Woodland (Met)	43U	x
Red, Wildfire	74U	x
Sage, Silver (Met)	18U	x
White	16U	x



LSi SEDAN MODEL 1MR69

MUST ORDER ONE GROUP - NO DELETIONS ALLOWED

	1SA	1SB
<b>Preferred Equipment Group 1</b> (Refer Standard Equipment Summary)	x	x
<b>Preferred Equipment Group 2</b>		
Air Conditioning		x
Electronically Tuned AM/FM Stereo Radio w/Seek, Tone Select, Stereo Cassette Player, Digital Clock and Four Speakers		x
Floor Mats, Front and Rear, Carpeted, Color-Keyed		x
Steering, Power		x

OPTIONS

ADDITIONAL OPTIONS

- ACKNOWLEDGEMENTS:**
- R8S Multiple Order Numbers
  - R8T Preliminary Invoice
- AIR CONDITIONING: (Note: Must Specify One Of The Following)**
- C60 Air Conditioning (Incl w/Group 1SB)
  - R6G Air Conditioning Not Desired (N/A w/Group 1SB)
- BRACKET: License Plate, Front**
- VK3
- BRAKES: 4-Wheel Anti-Lock**
- JM4
- CONVENIENCE PACKAGE: Includes Dual Manual Remote Mirrors,  
Remote Trunk Release, Split Folding Rear Seat and Trunk Light**
- Z05
- DEFOGGER: (Note: Must Specify One Of The Following)**
- C49 Rear Window Defogger
  - R9W Rear Window Defogger Not Desired
- DOOR LOCKS: Power**
- AU3
- EMISSIONS:(Note: Must Specify One Of The Following)(Refer Emission Requirements Tab)**
- FE9 Federal Emission Requirements
  - NG1 New York, Massachusetts or Connecticut Emission Requirements
  - YF5 California Emission Requirements
  - NB8 CA, NY, MA or CT Emission Override (Reqs FE9 Emissions)
  - NC7 Federal Emission Override (Reqs YF5 or NG1)
- FLOOR MATS: Front and Rear, Carpeted, Color-Keyed (Incl w/Group 1SB)**
- B37
- POWER STEERING: (Incl w/Group 1SB)**
- N41
- RADIO EQUIPMENT: (Note: Must Specify One Of The Following)**
- W8X Radio Provision Installation: Includes Antenna and Four Speakers (Incl w/UL1, UL0, UN0 Radio)
  - R8H Radio Provision Not Desired
  - UL1 Electronically Tuned AM/FM Stereo Radio w/Seek, Digital Clock, and Four Speakers  
(N/A w/Group 1SB) (Includes W8X Radio Provision)
  - UL0 Electronically Tuned AM/FM Stereo Radio w/Seek, Tone Select, Stereo Cassette Player,  
Digital Clock and Four Speakers (Incl w/Group 1SB) (Includes W8X Radio Provision)
  - UN0 Electronically Tuned AM/FM Stereo Radio w/Seek, Tone Select, Compact Disc Player,  
Digital Clock and Four Speakers (Includes W8X Radio Provision)
- TACHOMETER**
- U16
- TRANSMISSION: (Note: Must Specify One Of The Following)**
- MM5 5-Speed Manual with 4th and 5th Gear Overdrive
  - MX1 3-Speed Automatic





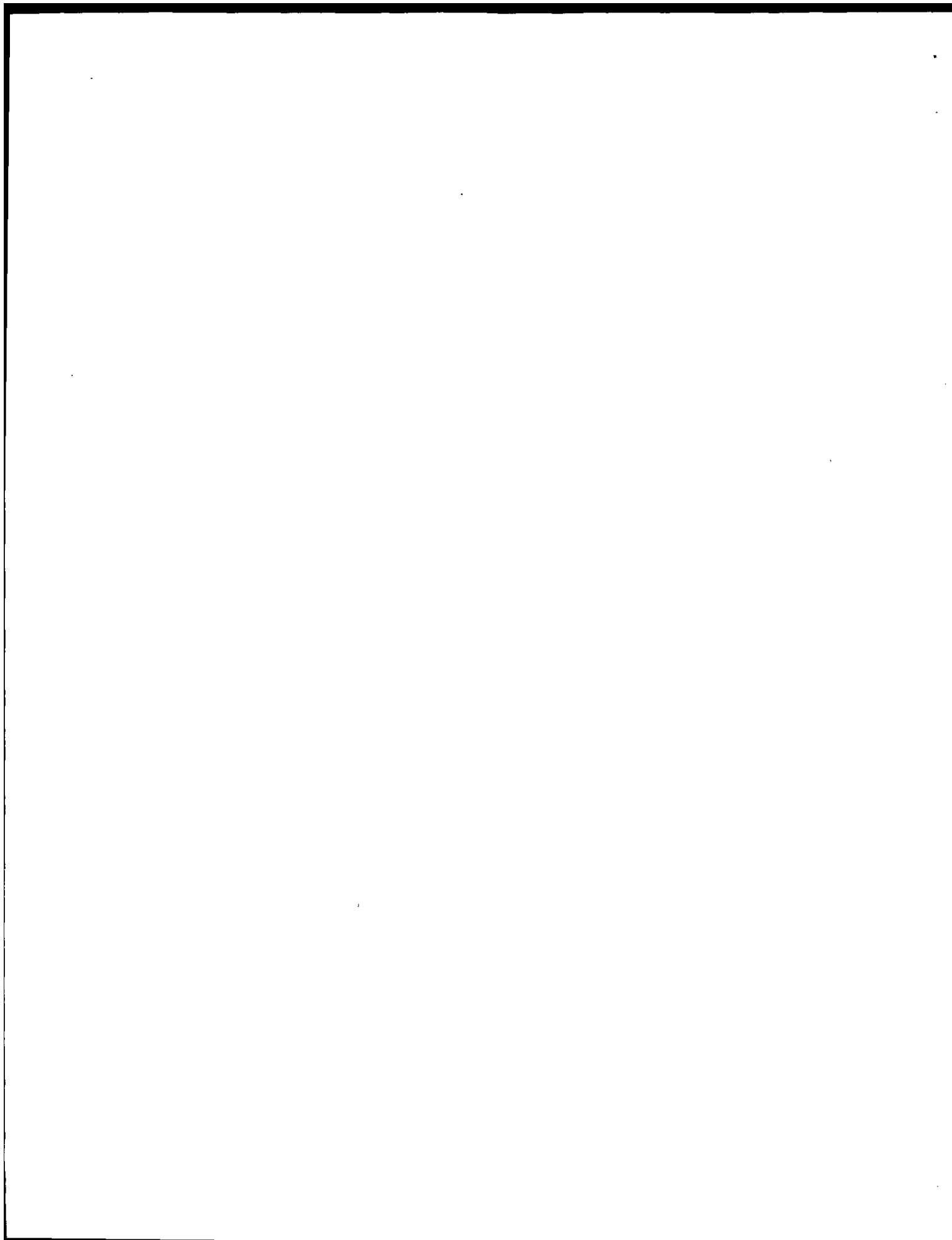
# METRO

## LSi SEDAN

### INTERIOR AND EXTERIOR COLOR AVAILABILITY CHART

**PLEASE NOTE:** The Exterior Paint and Interior Trim Combinations Shown Below are the Only Combinations that are available.

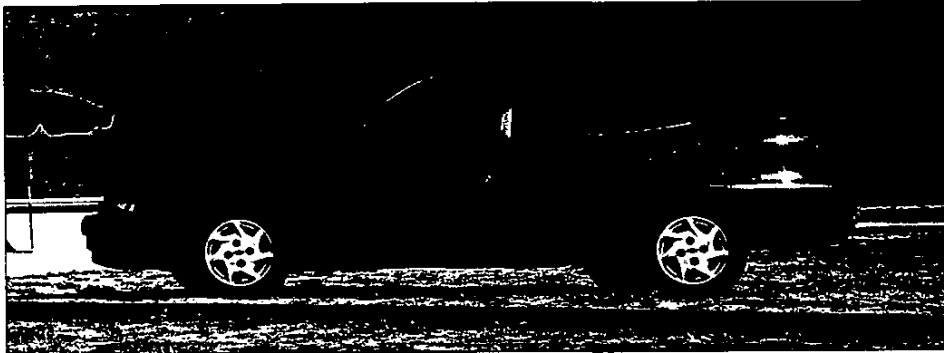
MODEL	SEAT TYPE	
1MR69	Custom Cloth Bucket	GRAY
Exterior Paint Color	Color Code	
Black Licorice	19U	x
Blue, Scuba (Met)	32U	x
Gold, California (Met)	58U	x
Green, Woodland (Met)	43U	x
Sage, Silver (Met)	18U	x
Red, Sunset (Met)	53U	x
White	16U	x



## 1998 Chevy Metro



Metro Coupe



Metro Sedan

### WHAT METRO IS ...

It measures just over 149 inches in length and weighs about 1,800 pounds. But, there's one area the 1998 Chevy Metro is a heavy-weight champion — fuel economy. Metro Coupe has held the EPA mileage crown for seven of the last eight years.

This newly badged Chevy Metro is the low-cost transportation option that offers new-car peace of mind for economy car shoppers. Starting under \$10,000, Metro is inexpensive to buy and to own.

The 3-Door Coupe, LSi Coupe and the 4-Door LSi Sedan models all come with 24-Hour Roadside Assistance and Courtesy Transportation, a 3-year/36,000-mile Bumper to Bumper warranty, Scotchgard™ Protector, a 100,000-mile fuel filter and timing belt, stainless-steel muffler and tailpipe and rust-resistant galvanized-steel body panels designed to last up to 6 years or 100,000

miles\*. All these features add up to a low-cost ownership experience.

And, filling up the 10.6 gallon gas tank won't empty a wallet either, because Metro Coupe has the best MPG in the U.S.† with up to an EPA estimated MPG city 44/hwy. 49.

Standard Daytime Running Lamps, driver and front-passenger air bags and safety-cage construction add to the value of this economy vehicle.

And now, LSi models have a refined, standard 4-cylinder, 1.3 liter engine. It puts 9 more horses under the hood and accelerates 0.3 seconds faster from 0-60 mph, than last year's Metro.

Low cost, high MPG — it's the secret of Chevy Metro's success.

\*Maintenance needs vary with different uses and driving conditions. See owner's manual for more information.

† Pending 1998 MPG figures. The 1997 Metro Coupe had the highest gas mileage of any car in America. The 1998 models are anticipated to continue to be among the most fuel-efficient vehicles available.

### Metro Models

- Coupe
- LSi Coupe
- LSi Sedan.



### What's New For 1998:

- Chevy badging replaces Geo (page 2)
- Composite halogen headlamps (page 3)
- New family of radios (page 4)
- New interior seat fabrics (page 4)
- Redesigned front and rear fascias (page 5)
- California Gold Metallic is new exterior color (page 5)
- Standard 1.3 liter Multi-Port Fuel Injection, 4-cylinder engine for LSi models replaces Throttle-Body Injection (page 6)
- New wheel covers with Chevy bowtie for all models (page 8)

### Competitors

Metro competitors in the economy car segment are:

- Toyota Tercel
- Hyundai Accent
- Kia Sephia.

### Metro Partners

Campus Fest and HORDE (Horizons Of Rock Developing Everywhere) are extending the affordable, fun image of Metro to young people across the country. (See page 4 for more information.)





## 1998 Chevy Metro

### Take A Bow, Geo

Metro, Prizm and Tracker will be rebadged with the Chevrolet bowtie in the '98 model year. Why the switch?

Well, Geo has effectively served its purpose as an import challenger. But, Chevrolet has been strengthening its reputation for quality, value and reliability among consumers since 1991 and Chevy anticipates that the Metro image will become even stronger under the Chevrolet nameplate.

The timing of this transition couldn't be better. For 1998, Metro will receive modifications and Prizm will be completely redesigned.

Despite this "Metro-morphosis," the new Chevy Metro, Prizm and Tracker will continue to offer the same 3 year/36,000-mile Bumper to Bumper warranty, 24-Hour Roadside Assistance and Courtesy Transportation.

Plus, purchasing or servicing Metro is convenient because owners can visit any one of over 4,300 Chevrolet dealerships throughout the country.

### MODELS AND TRIM LEVELS

#### Metro Coupe

Even as a base-level model, Metro Coupe offers a long list of standard features that make it a good value, such as:

- 1.0 liter SOHC 3-cylinder Electronic Fuel Injection engine
- 5-speed manual transmission with fourth and fifth gear Overdrive
- Stainless-steel exhaust
- Two-side-galvanized steel body panels
- Front disc/rear drum brakes
- Rack-and-pinion steering
- 4-wheel independent suspension
- P155/80R-13 all-season steel-belted radial blackwall tires
- Painted steel wheels with black center caps
- Dark Gray front and rear fascias
- Daytime Running Lamps
- Composite halogen headlamps
- Driver and front-passenger air bags
- Power socket/cigarette lighter
- Center console with two cup holders
- Side-window defoggers
- Full-folding rear seat
- Fully reclining bucket seats with integral head restraints
- Scotchgard™ Protector
- Sport cloth seating surface with vinyl sides and seatbacks.

#### Metro LSi Coupe

Metro LSi Coupe offers the same standard features as Metro Coupe, plus the following:

- 1.3 liter SOHC 4-cylinder Multi-Port Fuel Injection engine with four valves instead of two
- Trip odometer
- Custom Cloth seating surface with vinyl sides and seatbacks
- Intermittent windshield wipers

- Body-color front and rear fascias
- Dark Gray body-side moldings
- 7-spoke full-painted wheel covers.

#### Metro LSi Sedan

Metro LSi Sedan offers the same standard features as the base-level and LSi Coupe, plus the following:

- Child security rear-door locks
- Larger rear drum brakes.

### THE CHEVROLET SEDAN FAMILY

Every Chevrolet sedan is a quality-built car owners can depend on to be a trusted member of families — year in and year out.

Chevrolet offers five distinctly styled sedans to meet the needs of any age group, lifestyle and budget.

**Metro** — The low MSRP, high MPG, 4-passenger economy sedan for young, first-time buyers seeking low-cost transportation and new-car peace of mind.

**Cavalier** — The lower-priced, 5-passenger Chevy sedan for younger, value-conscious buyers.

**Prizm** — The alternative 5-passenger sedan for those who want solid dependability and upscale options, or who are predisposed to import vehicles.

**Malibu** — 5-passenger centerpiece of the family, designed to appeal to current Chevy owners, as well as to those who drive midsize imports.

**Lumina** — The safe, well equipped, affordable Chevrolet sedan for those who want 6-passenger roominess, comfort and less to worry about.

This wide selection of sedans allows Chevrolet to carry buyers through all phases of their lives.



Chevrolet sedan family vehicles shown: Malibu, Cavalier and Lumina.





## SAFETY

Even in a small car like Metro, there is plenty of room for safety. GM packs occupant protection and crash-avoidance features inside and out.

### Crash Avoidance Features

- **Standard Daytime Running Lamps (DRL)** turn on automatically when the ignition is on to increase Metro visibility to other drivers. DRL are required to run at a lower intensity than regular headlamps to reduce glare to oncoming drivers. DRL turn off when the vehicle's headlamps are engaged.
- **4-wheel Anti-lock Brake System (ABS)**, optional on all Metro models, automatically adjusts brake pressure to the front and rear wheels during hard braking situations, minimizing wheel lockup and helping maintain steering control.
- **Brake Transmission Shift Interlock**, standard on Metro models equipped with automatic transmissions, prevents shifting out of park without first depressing the brake pedal.
- **Starter Interlock Switch**, standard on Metro models equipped with manual transmissions, requires drivers to depress the clutch pedal to start the ignition.
- **Sloping hood design** and large windshield of Metro contribute to optimum road visibility.
- **Center, high-mounted stoplamp** makes the vehicle more visible from behind when braking.

### Occupant Protection Features

- **Standard driver and front-passenger air bags** are designed to supplement safety belts, restraining front-seat occupants in the event of a frontal impact.
- A standard **three-point safety belt system** helps restrain outboard passengers and distributes forces to help reduce injury to passengers in moderate to severe collisions.

- **Child Security Rear-Door Locks** are standard on Metro LSi Sedan and, when engaged, prohibit the rear doors from being opened from the inside.
- **Reinforced safety-cage construction** surrounds occupants with a cocoon-like system of structural components. This structure consists of reinforced roof rails and door pillars and beams, which are designed to help minimize intrusion into the passenger compartment.
- **Front and rear crush zones** are designed to deform in a controlled manner in a collision, to absorb impact energy while helping to reduce intrusion into the passenger compartment.
- **Energy-absorbing steering column** and instrument panel are designed to absorb collision impact, helping to reduce injury to the driver's body.
- **Laminated windshield safety glass** and tempered side and rear safety glass help prevent shattered glass from entering the passenger compartment.

## METRO INTERIOR FEATURES

With enough room for four people and 10.3 cubic feet of trunk space in the LSi Sedan, Metro allows a comfortable ride plus room to tote plenty of cargo.

### Other Features Include:

- **Integrated instrument panel** features easy-to-read gauges and easy-to-operate controls
- **The trip odometer**, standard on LSi models, allows Metro drivers to track mileage by the trip or the tankful
- A **single reversible key** starts the car and operates locking functions on all doors and the trunk
- A **driver safety belt buckle**, mounted on the driver seat, helps maintain proper positioning when the seat is repositioned

## Key Advantages\* Metro LSi Sedan Has Over Toyota Tercel CE

- 1.0 more cu. ft. trunk space
- Higher EPA estimated gas mileage: MPG city 39/hwy. 43 vs. MPG city 32/39 hwy. for Tercel
- Standard Daytime Running Lamps; NA on Tercel
- Standard Scotchgard™ Protector; NA on Tercel
- Standard intermittent wipers; extra-cost on Tercel
- Standard body-side molding; extra-cost on Tercel
- Standard Roadside Assistance; extra-cost on Tercel
- Standard cupholders; NA on Tercel
- Optional tachometer available; NA on Tercel.

NA — Not available.

\*Based on 1997 comparisons.

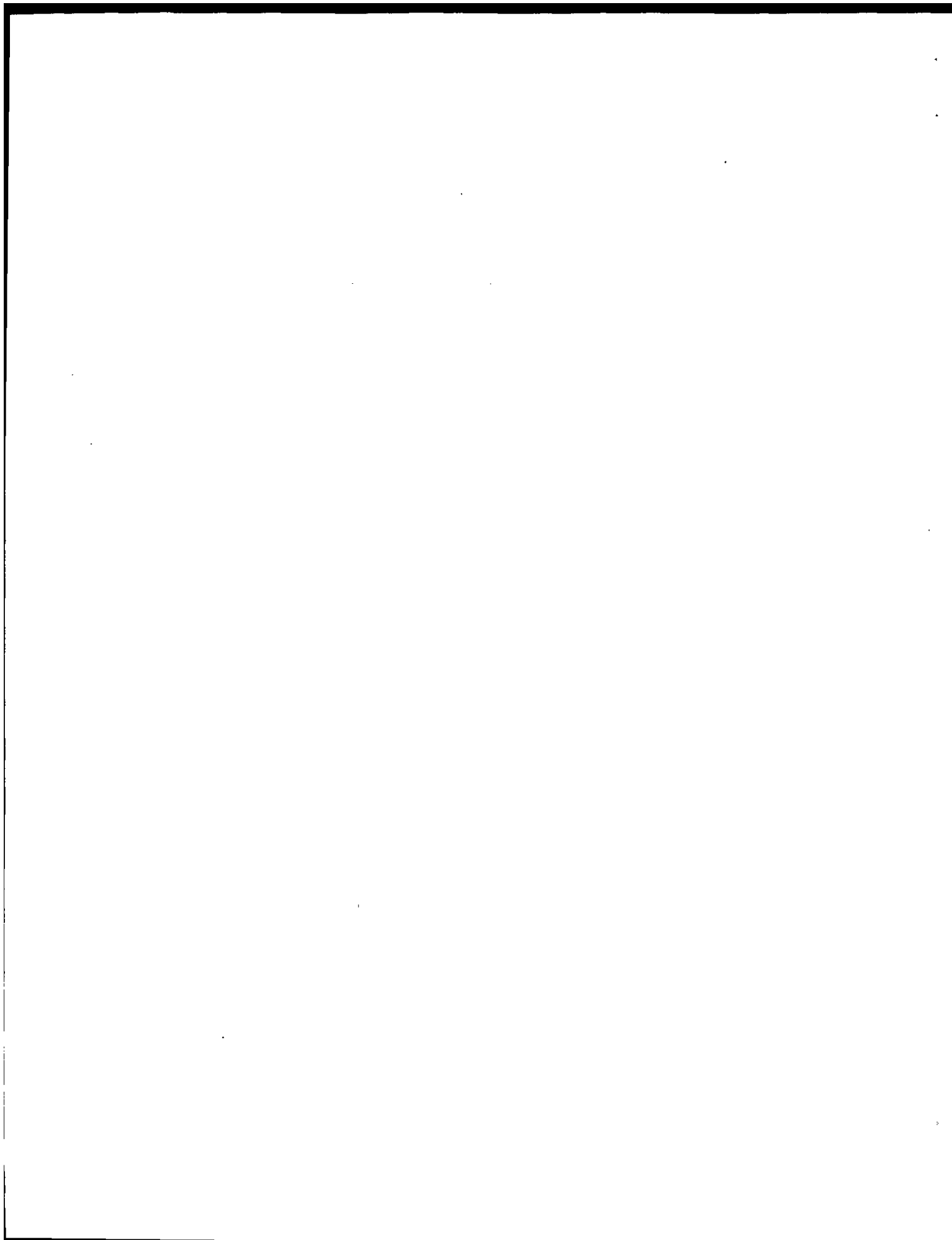
## Key Advantages\* Metro LSi Sedan Has Over Hyundai Accent GL

- Higher EPA estimated gas mileage: MPG city 39/43 hwy. vs. MPG city 28/37 hwy. for Accent
- Standard Daytime Running Lamps; NA on Accent
- Standard Scotchgard™ Protector; NA on Accent
- The Metro automatic transmission costs \$160 less than Accent's.

NA — Not available.

\*Based on 1997 comparisons.







# 1998 Chevy Metro

## Metropolooza

What do you get when you mix a bungee run, an obstacle course, alternative music and Metro? A whole lot of fun, thanks to new partnerships of Metro with Campus Fest and HORDE (Horizons Of Rock Developing Everywhere).

From August through April, at 25 college campuses across the country, Metro will co-sponsor Campus Fest—a two-day festival of sweepstakes, product displays and games spread over 30,000 square feet.

In the bungee run, two contestants, each wearing a harness and bungee cord, sprint against the clock and each other, down an inflated path. Their goal is to place a marker at the furthest limits of the row.

Another crazy sporting event is the obstacle course. Participants, wearing a fuzzy suit attempt to pass quickly through the course without being snagged by the "hooks" that cover the path.

The sixth annual HORDE Music Festival is no small event either. This 11-hour alternative music concert will tour 35 cities through September 1997, with Metro as its official vehicle. In addition to the Metro displays, there will be a technology tent (with an Internet presence), arts and crafts vendors, social and political activist groups, and a workshop arena for musicians and artists.

Both of these partnerships will entertain and raise brand awareness among Metro's target market of Generation Xers.

## INTERIOR FEATURES (contd)

- Standard Scotchgard™ Protector helps guard cloth seating surfaces from stains and makes cleanups easy
- Optional air conditioning uses CFC-free refrigerant which does not contribute to ozone depletion. An air conditioning compressor is automatically activated to prevent window "flash-fogging" when the defrost mode is selected
- Optional rear-window defogger helps clear the back window of mist, snow or ice
- Standard center console with two cup holders, a storage tray and a coin holder make it convenient to carry beverages, coins or audiotapes
- Intermittent wipers, standard on LSi models, allow the driver to match wiper speed with weather conditions for optimum visibility
- A standard "Soft Touch" four-spoke steering wheel provides a comfortable grip
- Light-Emitting Diodes (LED) are used, instead of lightbulbs, for all indicators except turn signals and high beams to help lessen driver eyestrain
- Standard Door pockets for the driver and front passenger provide handy storage areas for maps, sunglasses or other items
- Full trunk carpeting is standard on every Metro model.

## Audio Systems

Excellent sound reproduction is a result of the Metro commitment to quality. To tailor each vehicle's acoustic environment to the needs of the Metro owner, several different sound systems are offered.

### The New Metro Family of Radios:



- Electronically tuned AM/FM stereo with seek, digital clock and four extended-range 6" speakers is optional on all models for outstanding sound



- Electronically tuned AM/FM stereo with cassette player, seek, tone select control, stereo cassette player, digital clock and four extended-range speakers is optional on all models



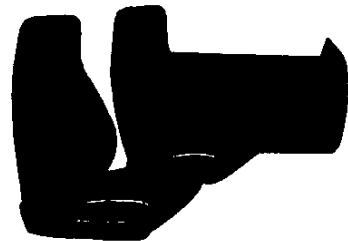
- Electronically tuned AM/FM stereo with compact disc player, tone select control, seek and digital clock, is optional on all models. Includes four speakers.

## Seats



- All Metro seating is designed to provide safety and comfort. A new seat fabric for all models adds a fresh look to the interior.

Gray Sport Cloth with accents covers the seating in the coupe and gray Custom Cloth decorates the LSi Coupe and Sedan.



## Coupe

- Fully reclining Sport Cloth bucket seats with black bolsters, integral head restraints and vinyl sides, seatbacks and door panels.



## LSi Coupe and LSi Sedan

- Fully reclining Custom Cloth bucket seats with integral head restraints and vinyl sides, seatbacks and door panels.





## INTERIOR FEATURES (contd)

### Additional Seating Features

- Standard full-folding rear seat is on all Metro models.
- Easy-entry passenger seat adjuster simplifies rear-passenger entry and exit (optional only on coupe model).
- Standard bucket seats allow manual four-way seat adjustment for individualized positions.

### Interior Color

- Gray.

## METRO EXTERIOR FEATURES



- Front and rear fascias take on a fuller, more substantial-looking style for 1998. Dark gray fascias are standard on the coupe and body-color fascias are standard on LSi Coupe and Sedan.
- Stainless-steel muffler and tailpipe, on all Metro models, resist corrosion.
- Dual, manual outside mirrors, standard on all Metro models, assist the driver in monitoring the position of traffic around the vehicle.
- Dual, remote outside mirrors, optional on LSi Coupe and LSi Sedan, may be adjusted from inside the vehicle.
- Body-side moldings, optional on coupe and standard on LSi Coupe and Sedan help protect the vehicle from minor dings and scratches.



- Composite halogen headlamps provide superior illumination. Plus, they come with halogen bulbs for easy replacement.

### Exterior Paint

Standard basecoat/clearcoat paint on Metro resists fading and provides a high-gloss shine for long-lasting exterior beauty. The clearcoat system is formulated to minimize the effects of acid rain and other environmental damage. Clearcoat finish is used with all colors — solids and metallics — except white.

The paint process builds up six layers of protection on every new Metro.

- A total-immersion phosphate electrode position (ELPO) process applies the first layer of primer/paint. Electric voltage is applied to the bodies while submerged in the paint bath to ensure complete coverage, even in hard-to-reach areas.
- A glossy water-based highlighting solution is applied to all exterior surfaces to reveal any imperfections before the body is painted.



### Exterior Colors

- *New Paint Color For '98:*
- California Gold Metallic.

### Other Colors:

- Black Licorice
- Scuba Blue Metallic
- Woodland Green Metallic
- Silver Sage Metallic
- Sunset Red Metallic (LSi Sedan only)
- Wildfire Red (Coupe only)
- White.

## DESIGN AND MANUFACTURING

Metro models are manufactured by CAMI (Canadian American Manufacturing Inc.) in Ingersoll, Ontario, Canada.

"Continuous improvement" is the leading goal of this manufacturer, and in one year, employees spent 40,000 hours learning new production methods and refreshing skills.

Another key contribution to the quality of Metro is CAMI's Quality Circle program. This plan encourages team members to work in small groups to collectively identify and solve production problems.

Recent achievements of the CAMI plant include:

- Third-best safety record among Ontario auto assembly plants and best record for unionized plants in the province
- Paint department won the 1996 CAMIP 90/30 Gold Award for paint quality
- Stamping department was recognized as one of the most efficient in the automotive industry in 1995.

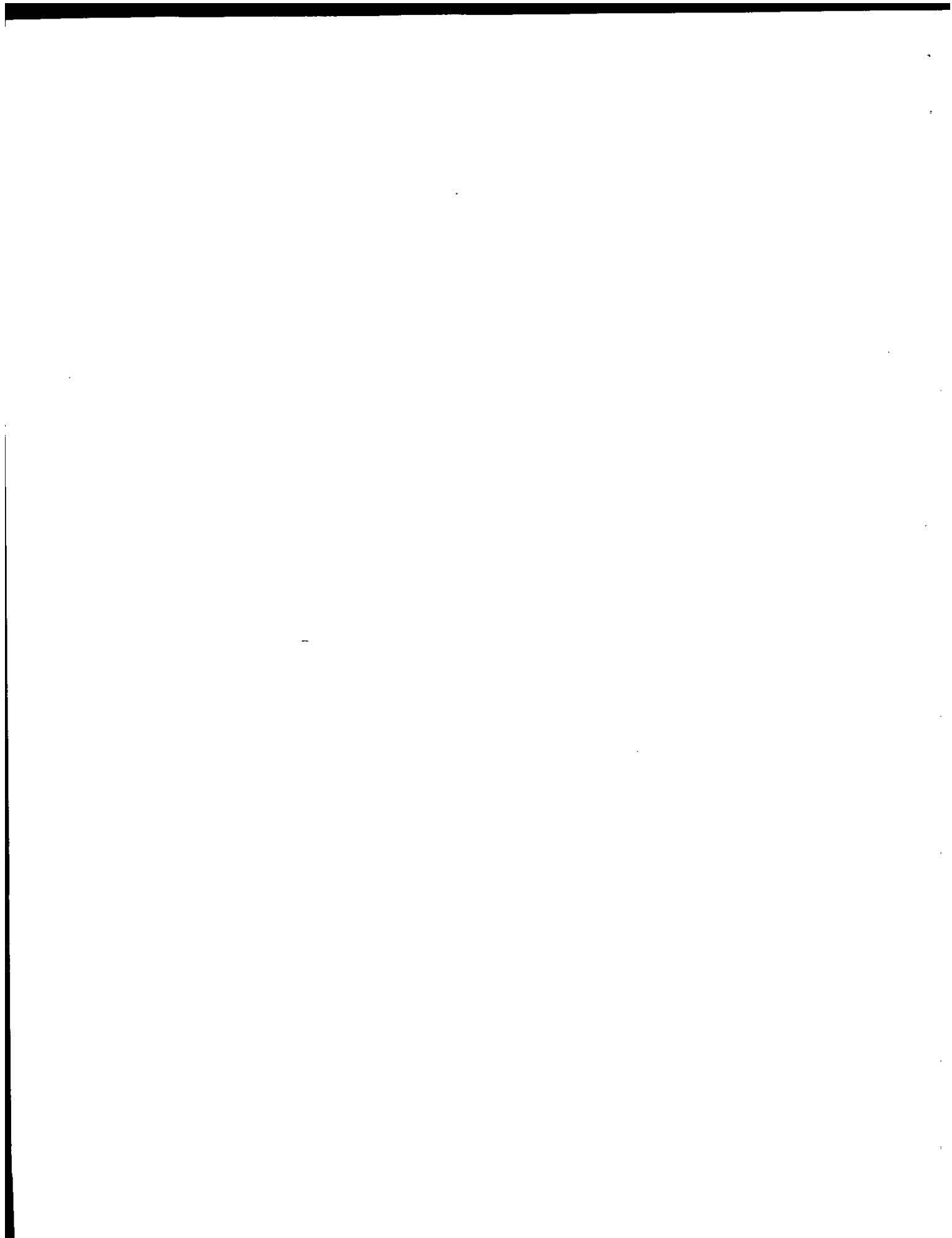
## ABS — Unlearning Old Habits

Buying a car with anti-lock brakes might require drivers, unfamiliar with this feature, to "unlearn" past braking habits.

Drivers, accustomed to traditional brake systems, have been taught to pump the brake pedal when braking hard on slippery surfaces, to keep the car's wheels from locking up.

With ABS, pumping renders the system ineffective. The system was designed to adjust brake pressure at each wheel independently, to avoid wheel lockup.

To become familiar with the system, drivers should take the vehicle to an unoccupied parking lot (preferably one with slick pavement) and practice sudden hard braking maneuvers to get a feel for the system.





## 1998 Chevy Metro

### Metro Makes New Tracks

At 123 Hayden Street, West Yellowstone, Mont., you'll discover the onset of a snowmobile revolution.

Here, Ron Gatheridge is the proprietor of Highmark Snowmobile Rentals. He is one of the many area businessmen who continually heard concerns about the myriad of noisy snowmobiles that were polluting the air while trekking through the snowy paths in Yellowstone National Park.

Concerned about protecting the peaceful, clean environment of the park, Gatheridge challenged himself to solve this dilemma. And, in January of 1996, he created a solution by building a snowmobile with a 1993 1.0 Liter 3-cylinder Metro engine he found in an automotive recycling center. Ron says that he saw a lot of engines, but he knew Metro would be a perfect fit.

"It starts right up, even at 20 below zero, and it provides a quieter, low-emissions alternative," Gatheridge said.

Gatheridge has used his Metro-enhanced snowmobile to tow 50 gallons of diesel fuel — a load weighing about 800 lbs.

His original 10-foot-long prototype carries four passengers comfortably, so only one snowmobile is needed instead of two.

This 50 mph custom sled has floor heat vents for passengers' feet, a catalytic converter and a reverse gear. "And, if something goes wrong with it, you can take it to any Chevrolet dealer for service!"

Gatheridge thinks his "Metro experiment" has been an encouraging success and he plans to build more models to add to his fleet.

### BODY STRUCTURE

The rigid body structure of Metro provides a smooth ride and predictable, responsive handling.

- Unit body construction derives strength from heavy-gauge, welded panels and produces fewer squeaks and rattles.
- A one-piece A-pillar with cross members, a floor tunnel brace and dense B-pillars add rigidity to the overall body strength.
- The frame-under-glass construction, a feature usually found on more costly vehicles, helps reduce wind noise at highway speeds.
- A sound-deadening adhesive is used to insulate passengers from engine, wind and road noise.
- Rear wheelwells are reinforced to help decrease road noise.
- The stiff body structure allows suspension components to be tuned for isolation from road disturbances.
- Corrosion protection has been built into all Metro models — not just added on — to guarantee added durability. All exterior panels except the roof use two-side-galvanized steel.
- Body-side moldings, optional on the base-level Coupe and standard on LSI models, help reduce door dings and dents.

### ENGINES

#### 1.0 Liter SOHC Engine (LP2)

The 1.0 Liter SOHC L3 with EFI offers durability and reliability in a compact package. This 3-cylinder, Electronic Fuel-Injection engine is standard on Metro Coupe with 5-speed manual transmission.

#### 1.0 Liter SOHC Engine

##### Features Include:

- 55 horsepower at 5700 rpm
- 58 lb.-ft. torque at 3300 rpm
- Throttle-Body Fuel Injection positions the injectors centrally in a throttle-body housing which contains a valve to regulate the airflow through the intake

manifold. This helps deliver a smooth idle and low emissions.

- Convenient access to service and maintenance items such as plugs, oil filter and all fluid reservoirs makes do-it-yourself maintenance easy for economy-minded Metro owners.
- Cast-aluminum cylinder heads help maintain even engine temperatures and minimize weight. Aluminum was chosen since it conducts heat better than iron and also weighs less.

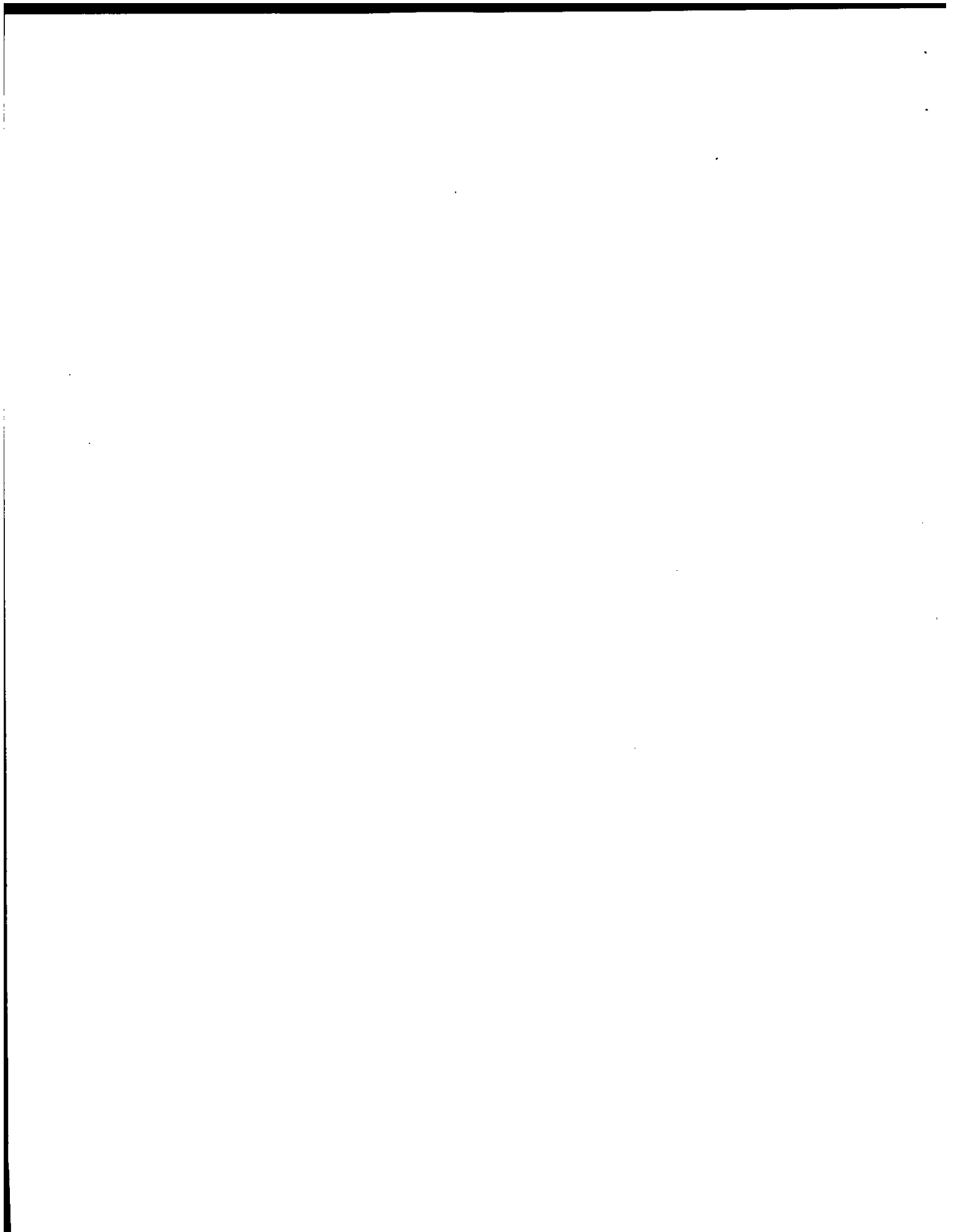


#### 1.3 Liter SOHC Engine (LY8)

Standard on LSI models, this engine is redesigned for 1998.

A 4-valve combustion chamber, instead of the two-valve design that powered the previous engine, increases the fuel-air flow to the engine and improves performance.

- 79 horsepower at 6000 rpm
- 75 lbs.-ft. of torque at 3000 rpm
- 4-valves per cylinder combustion chamber increases combustion efficiency, for more power.
- Multi-Port Fuel Injection uses individual fuel injectors to spray fuel into each intake port, for more precise fuel management.
- Cast-aluminum cylinder heads help maintain even engine temperatures and minimize weight. Aluminum was chosen since it conducts heat better than iron and also weighs less.
- Distributorless ignition eliminates the need for periodic engine timing adjustments.





## ON-BOARD DIAGNOSTICS SECOND GENERATION (OBD II)

On-board diagnostics for Metro is highly sophisticated, thanks to OBD II (On-Board Diagnostics Second Generation).

- The system can mean faster repairs for consumers. Take better engine diagnosis, for example. In low-level engine misfire, bad fuel, improper maintenance, cracked sparkplug insulation or plugged fuel injectors can all lead to a misfire diagnosis that's picked up by OBD II.
- OBD II functions by using a Powertrain Control Module (PCM) to monitor fuel delivery, ignition timing and the emissions system to detect deterioration or malfunction.
- If a problem is detected, a Diagnostic Trouble Code (DTC) is stored and indicates the type of fault detected.
- The PCM stores and retrieves diagnostic messages to help technicians fix problems quickly and accurately.
- The PCM alerts the driver by illuminating the "Service Engine Soon" light when it detects a deterioration in the performance of any of the monitored components.
- Unlike first-generation systems that signaled only system failures, OBD II alerts the driver to have the vehicle serviced before experiencing a possible breakdown or incurring more expensive repairs.

## TRANSMISSIONS

### 5-Speed Manual Transmission

A five-speed manual transmission with Overdrive is standard on all Metro models. The wide range of gear ratios allows the driver to select the best gear for any driving situation. The 5-speed manual transmission is engineered to make shifting smooth and easy:

- **Upshift indicator light** signals when to shift gears for the best fuel economy.
- **Overdrive fifth gear** reduces engine rpm at cruising speed, thereby increasing fuel

economy and reducing wear and engine noise.

### 3-Speed Automatic Transmission

For those who prefer the convenience of automatic shifting, an optional 3-speed automatic transmission is available on LSi Coupe and Sedan.

- **Shift indicators** (PRN321) give the driver precise indication of the gear selected.
- **Brake/transmission shift interlock** is a safety feature that requires the driver to apply the brake pedal before shifting out of Park.

## SUSPENSION

Bounces and bumps are cushioned by the Metro suspension system, which includes:

- **MacPherson struts**, which isolate bumps at one wheel and prevent them from being transferred to the other three, to maintain a smooth ride. In addition, the tower configuration of each strut is minimal, allowing for more room in the body of Metro.
- **4-Wheel Independent Suspension** design reduces weight and saves space compared to other suspension systems.
- **Standard front and rear stabilizer bars** counteract body roll during hard cornering and increase steering responsiveness.

## STEERING

Rack-and-pinion steering is standard on all Metro models, for impressive response to driver input. (For even more precise control when parking or during other tight turning maneuvers, power steering is an option on the LSi Sedan.) The rack-and-pinion system provides:

- **19.0:1 ratio** for controlled steering response.

## A New Musical Trio Strikes a Chord

The new 1998 Metro family of radios offers a choice of three selections.

The owner may simply opt for the electronically tuned AM/FM stereo ... or perhaps the driver may want that same stereo but with a cassette player added.

And now, owners of the base-level coupe can opt for a built-in compact disc player with their stereo.

With this new addition to our radio family, we think Metro drivers will be singing.

## Fill 'Er Up

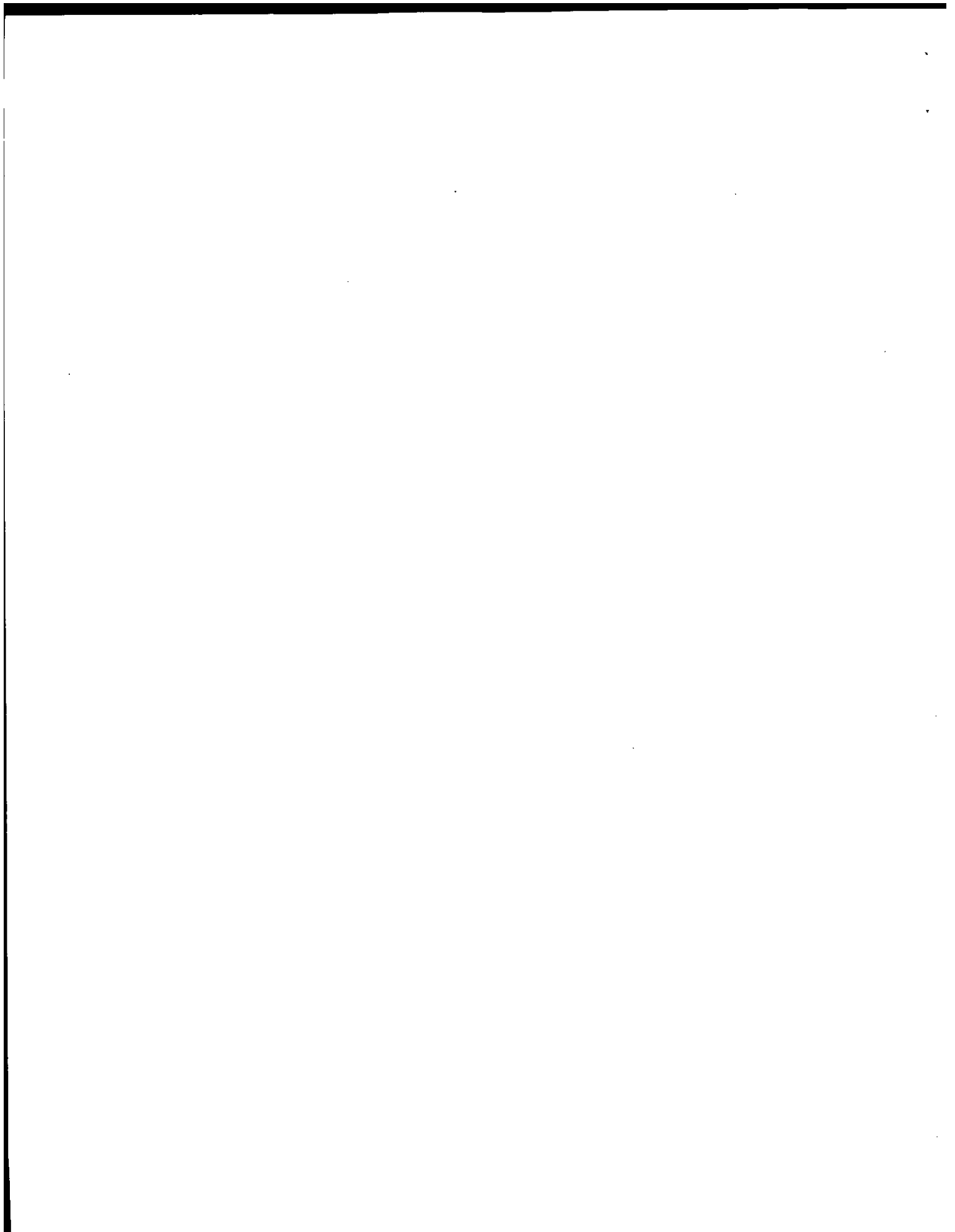
Taking a road trip from Detroit to Knoxville? Well, the 456-mile trip might just seem a bit shorter to passengers traveling in a Metro Coupe. That's because Metro drivers won't need to make as many pit stops to refuel as some other vehicles, thanks to its estimated 49 MPG highway mileage.

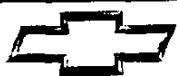
With a Metro Coupe, you can fill up the 10.6 gallon fuel tank and go ... and go ... and go...

So, whether you're going from New York City to Raleigh, Cincinnati to Montgomery or from Tijuana to San Jose — fill it up once and save your money for the souvenirs.

\*Based on 1997 EPA figures.







## 1998 Chevy Metro

### History (By Model Year)

Introduced in 1989.

- 1990 — Upscale LSi Coupe and LSi Sedan models introduced.
- 1991 — Metro Convertible introduced.
- 1992 — New front and rear fascias; new interiors.
- 1995 — All-new Metro Coupe exterior design; new Metro Sedan model; standard dual air bags; available 1.3 Liter, 4-cylinder engine (LSi Sedan).
- 1996 — Standard OBD II; optional 1.3 Liter engine available on Metro Coupe.
- 1998 — Geo Metro name changes to Chevy Metro.

### Demographics

- Median household income of \$40,000
- More than 60 percent of all Metro buyers are women
- 48 percent of all Metro buyers are married
- 34 percent are making their first new-vehicle purchase
- Median age is 38 years.

### "Tired" Of Wondering?

The tire-size designation, found on the sidewall, tells several things about the tire.

For instance, the Metro code P155/80R-13 indicates:

P = Passenger car tire

155 = Section width in millimeters

80 = Ratio of section (height to width)

R = Radial tire construction

13 = Rim diameter in inches.

### BRAKES

All Metro models have standard front disc/rear drum brakes for smooth, responsive stopping power.

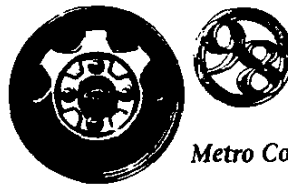
- Audible wear sensors emit a "chirping sound" to indicate when it's time for replacement.
- Split braking systems with dual master cylinders help ensure brake-line pressure for stopping the vehicle in the event of a hydraulic failure in one part of the system.
- Drum brakes include a self-adjusting feature that helps keep the lining correctly positioned for more even, effective braking.

GM's award-winning 4-wheel anti-lock brake system (ABS VI) is optional for the Metro Coupe, LSi Coupe and LSi Sedan. Some things to keep in mind about anti-lock brakes:

- ABS helps maintain steering control during severe braking situations and minimizes wheel lockup on slippery surfaces.
- ABS can adjust brake pressure by modulating the brakes several times per second, a rate even most skilled professional drivers cannot attain.
- The system modulates the brake-line pressure at the wheels. Drivers should not "pump" the brakes in emergency braking situations. Rather, they should maintain constant pressure on the brake pedal, allowing the system to work effectively.

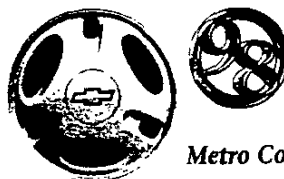
### WHEELS AND TIRES

P155/80R-13 all-season, steel-belted tires are standard on all Metro models.



Metro Coupe :

- Standard styled-steel wheel with black center cap and Chevy bowtie emblem .



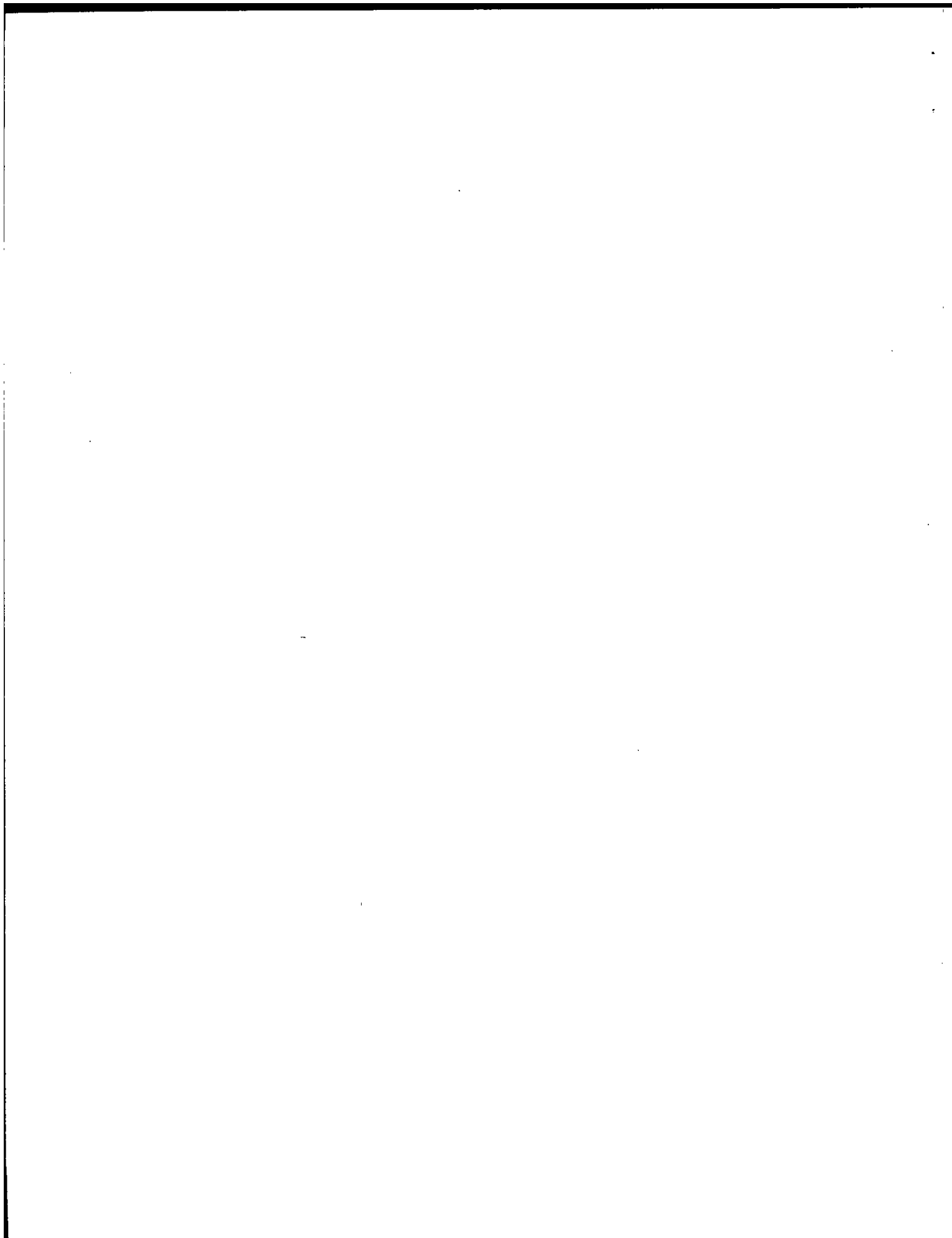
Metro Coupe:

- Optional 3-spoke full wheel cover with Chevy bowtie emblem (with PEG 1SB and 1SC only).



Metro LSi Coupe and LSi Sedan:

- Standard, 7-spoke full wheel cover with Chevy bowtie emblem for LSi.





## GENUINE CUSTOMER CARE

Metro owners are covered by Genuine Customer Care, a comprehensive owner protection plan that includes the following:



### Bumper to Bumper Warranty

The GM 3-year/36,000-mile (whichever comes first), non-deductible, limited warranty covers repairs for all Chevrolet cars, including labor and parts, to correct any defects in material or workmanship occurring during the warranty period. Warranty features include air conditioning repair, tires, towing, no-cost warranty transfer and 6-year/100,000-mile (whichever comes first) sheet-metal rust-through protection. There also is emissions control system coverage, which varies by geographic location. The only item not covered by the warranty is normal maintenance.



### Courtesy Transportation

Customers who purchase or lease a Chevrolet car or truck will be able to take advantage of Courtesy Transportation at no additional charge when their vehicles are left at a participating dealership for repairs covered under the 3-year/36,000-mile New Vehicle Limited Warranty. Courtesy Transportation, at participating dealers only, may include shuttle service, expense reimbursement, or, if the repairs require leaving the vehicle overnight, a vehicle rental. See your dealer for details.



### 24-Hour Roadside Assistance

Customers who purchase or lease a Chevrolet also receive the peace of mind that if something should go wrong on the road, help is just a phone call away, 365 days a year, with Chevrolet 24-Hour Roadside Assistance. There are two levels of service:

**Roadside Basic Care** covers you as long as you own your Metro and provides:

- Free towing for warranty repairs (to closest dealer)

- Over-the-phone basic technical advice
- Available dealer services at reasonable costs (i.e., wrecker services, locksmith/key service, glass repair, etc.).

**Roadside Courtesy Care** is available to you for a period of three years or 36,000 miles (whichever comes first) and provides:

- Free towing (to closest dealer)
- Free locksmith/key service (when keys are lost on the road or locked inside)
- Free flat tire service, jump start and fuel delivery.

## GM Mobility Program

Chevrolet recognizes the importance of mobility to everyone's life, and therefore, offers financial assistance to persons with disabilities through the General Motors Mobility Program. This program provides financial assistance — up to \$1,000 — toward the cost of any aftermarket adaptive equipment for drivers or passengers and/or vehicle "alerting devices" for deaf and hearing-impaired drivers. A special feature of the program is single-transaction GMAC financing for the vehicle and its adaptive aids. Further details are available by calling the GM Mobility Assistance Center at 1-800-323-9935. The hearing impaired can contact the Customer Assistance Center at 1-800-TDD-CHEV.

*Important — A word about this document: We have tried to make this document as comprehensive and factual as possible. We reserve the right, however, to make changes at any time, without notice, in colors, materials, equipment, specifications, models and availability. Some information may have been updated since the time of printing in June 1997.*

*A note about air bags: Always wear safety belts, even with air bags.*

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## Need a Ride?

When it comes to budget-minded transportation, there are generally three choices: take the bus, buy a used vehicle or a new economy car like the Chevy Metro.

First, consider the bus scenario. Patrons need to find out when it's convenient for the bus driver to pick them up. Then they wait for him out in the weather. They give the driver "correct change only please" and push their way to the back of the crowded bus where they sit down in a hard seat that doesn't recline. Oops — watch out for the blob of gum. Hands may be full, but there is no place to set down a cup of coffee. The bus stops and picks up some more people.

Is it a coincidence that bus rhymes with fuss?

Buying a used car isn't a much more comforting picture. Sure, now the consumer owns the vehicle, but they also inherit a future of frequent repairs and expensive maintenance. Who knows what kind of history the vehicle really had?

With Metro, drivers get independence, excellent gas mileage, "new car" peace of mind and a 3-year/36,000-mile bumper-to-bumper warranty — for about the same amount of money that is used to purchase less than reliable transportation.

Hmmm ... is there any question about the best choice?

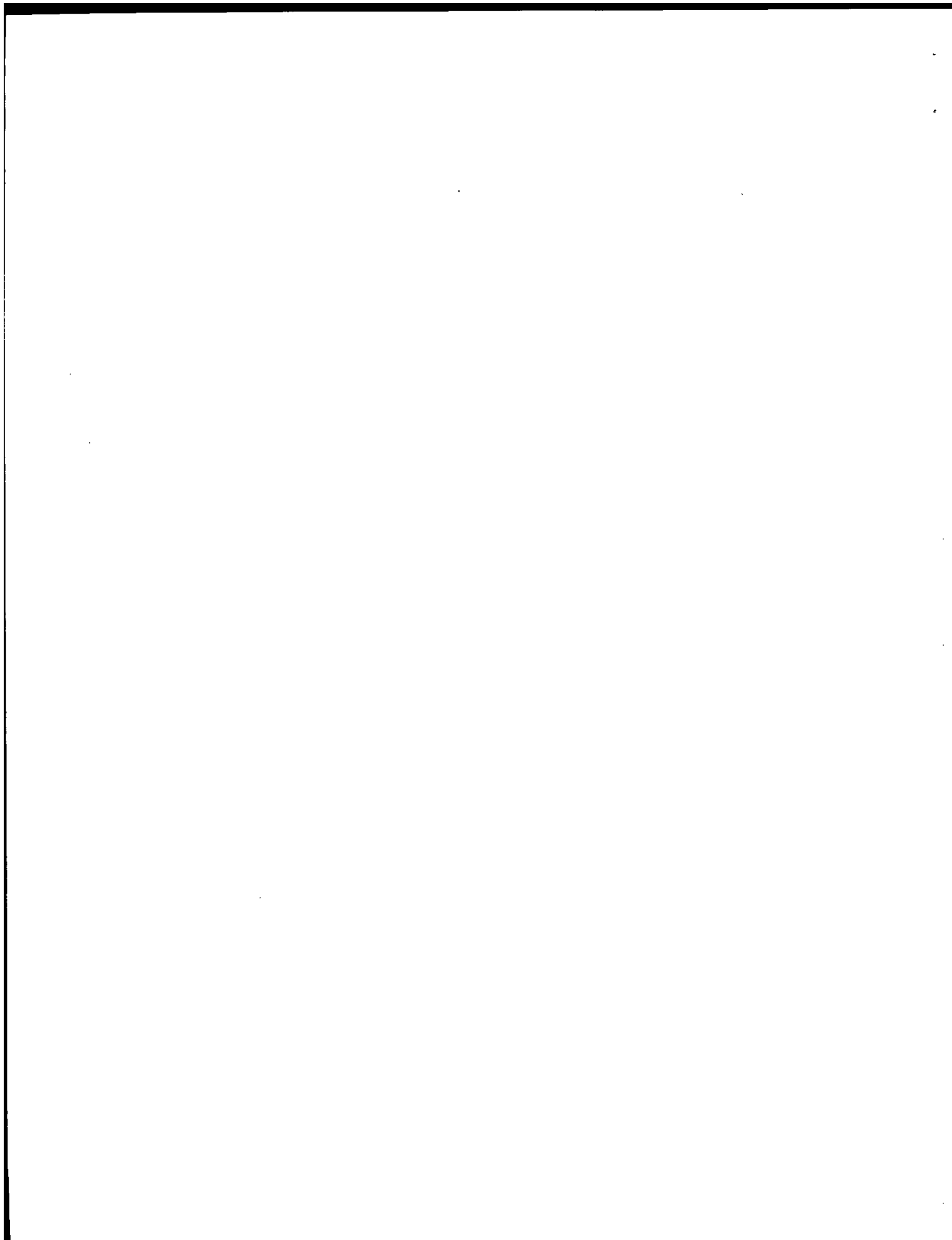




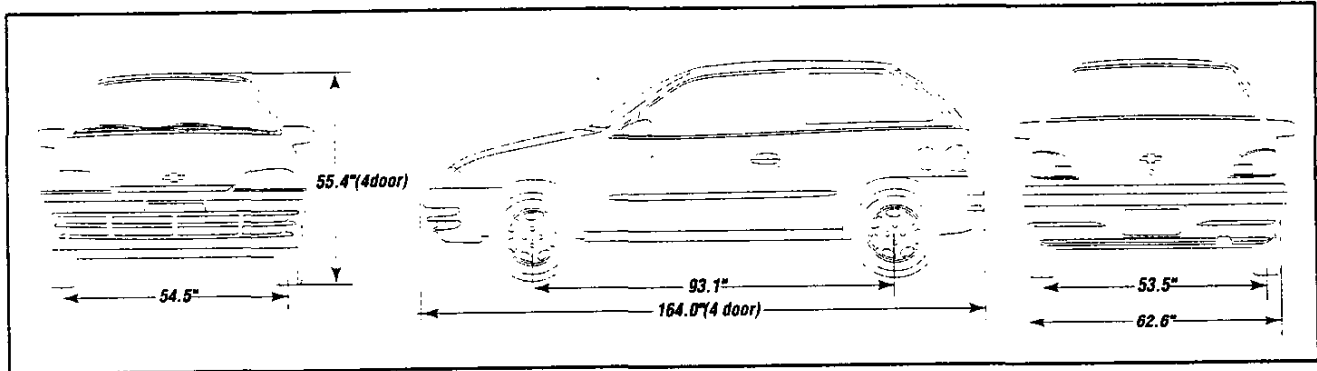
# 1998 Chevy Metro Feature Availability

	Metro Coupe	Metro LSi Coupe	Metro LSi Sedan
<b>INTERIOR</b>			
Air Bags - Driver and Front-Passenger	S	S	S
Air Conditioning - w/CFC-Free Refrigerant	O	O	O
Cargo Security Cover	NA	O*	NA
Carpeting - Full	S	S	S
Door Locks - Power	NA	NA	O
- Child Security, Rear	NA	NA	S
Defogger - Rear-Window	O	O	O
Floor Mats - Carpeted	O	O	O
Mirrors - Inside, Day/Night Rearview	S	S	S
Scotchgard™ Protector - on Cloth Seats	S	S	S
Seats - Rear Full-Folding	S	S	S
- Rear Split-Folding w/Pass-Through Feature	NA	NA	O*
Stereo - AM/FM	O	O	O
- AM/FM w/Cassette Player	O	O	O
- AM/FM w/CD Player	O	O	O
Tachometer	O	O	O
Trip Odometer	O†	S	S
Wipers - Intermittent	NA	S	S
- Rear Wiper/Washer	NA	O**	NA
<b>EXTERIOR</b>			
Bumpers - Body-Color	NA	S	S
Exhaust System - Stainless-Steel Muffler, Tailpipe	S	S	S
Daytime Running Lamps	S	S	S
Mirrors - Outside, Black, LH/RH Manual	S	S	S
- Outside, Black, LH/RH Remote	NA	O*	O*
Moldings - Dark Gray Body-Side	O	S	S
Tires - P155/80R-13 All-Season	S	S	S
Wheels - 13" Styled-Steel	S	NA	NA
Wheel Covers - 3-Spoke, Cover	O	NA	NA
- 7-Spoke, Full	NA	S	S
<b>FUNCTIONAL</b>			
Brakes - Power Front Disc/Rear Drum	S	S	S
- 4-Wheel Anti-Lock Brake System (ABS)	O	O	O
Brake/Transmission Shift Interlock	NA	O	O
Engine - 1.0 Liter SOHC L3 EFI	S	NA	NA
- 1.3 Liter SOHC L4 MFI	NA	S	S
Steering - Power	NA	NA	O
Suspension - 4-Wheel Independent	S	S	S
Transmission - 5-Speed Manual	S	S	S
- 3-Speed Automatic	NA	O	O

S—Standard. O—Optional (some options may be available only as part of a Preferred Equipment Group; see your order guide for feature availability). NA—Not available.  
 †Only available with Optional LSi Convenience Package. ‡The trip odometer is included when a tachometer is ordered. \*\*Requires rear defogger.



# 1998 Chevy Metro Specifications



## MODEL AVAILABILITY

Chevy Metro Coupe, Metro LSi Coupe and Metro LSi Sedan

EPA vehicle class Sub-Compact

Assembly CAMI, Ingersoll, Ontario, Canada

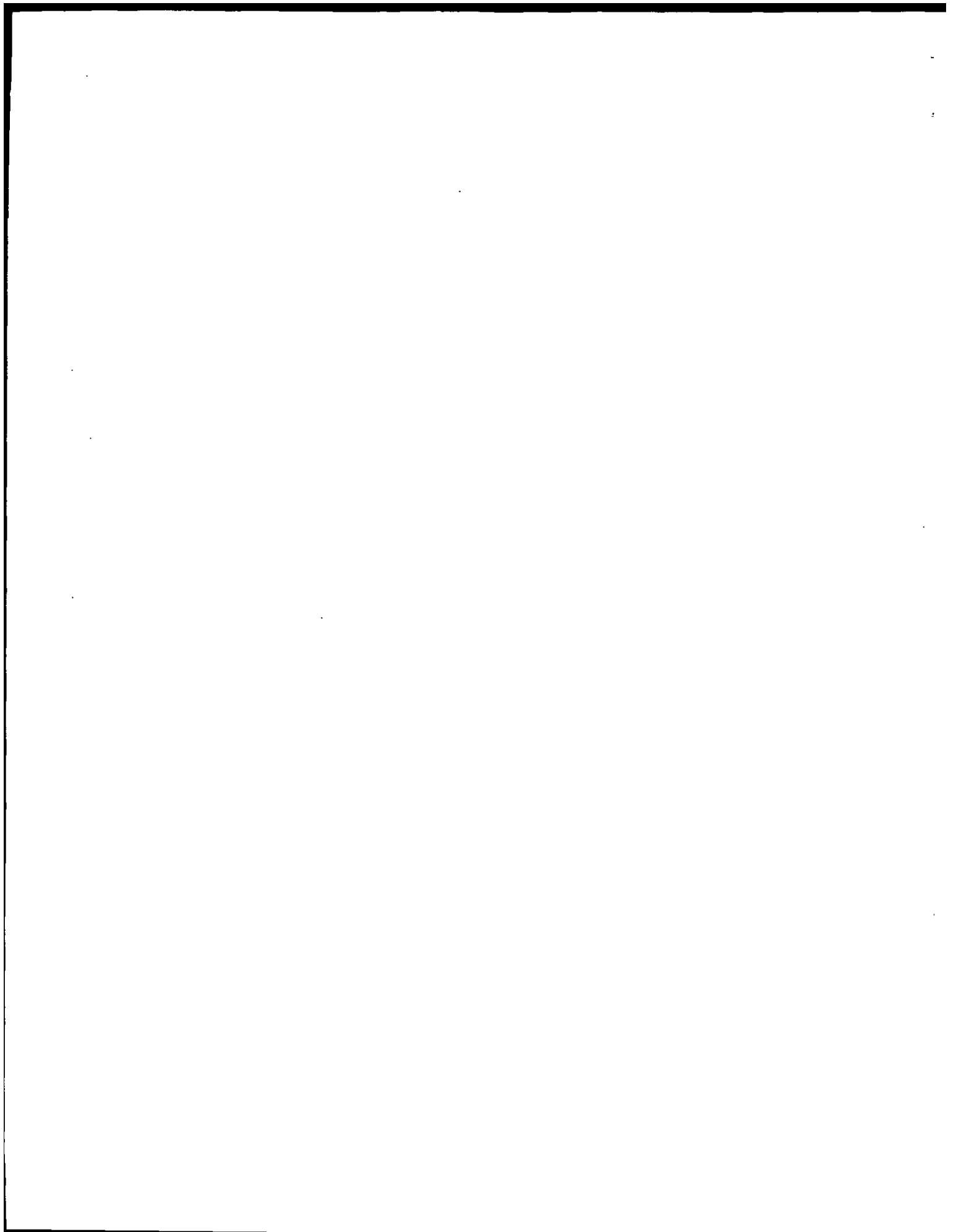
## DIMENSIONS & CAPACITIES (INCHES UNLESS OTHERWISE NOTED)

Exterior Dimensions	Coupe	Sedan
Wheelbase	93.1	93.1
Length (overall)	149.4	164.0
Width (overall)	62.6	62.6
Height (overall)	54.7	55.4
Tread — Front	54.5	54.5
Tread — Rear	53.5	53.5
Interior Front Dimensions		
Headroom	39.1	39.3
Legroom	42.5	42.5
Shoulder room	48.9	49.0
Hip room	47.2	46.9
Interior Rear Dimensions		
Headroom	36.0	37.3
Legroom	32.8	32.2
Shoulder room	48.9	48.3
Hip room	36.0	37.3
Capacities		
Passenger capacity	4	4
Passenger index (cu. ft.)	77.4	80.1
Cargo index (cu. ft.)	8.4*	10.3
Fuel tank capacity (gal.)	10.6	10.6
EPA interior index (cu. ft.)	85.8	90.4
Curb weight (lbs., est.)	1895	1984
Engine oil (quarts) with filter	3.5	3.5
Engine coolant (quarts)	3.9*	5.0

\*22.5 cu. ft. with rear seat folded flat.

\*With 1.3 liter engine and manual transmission.







# 1998 Chevy Metro Specifications

## STEERING

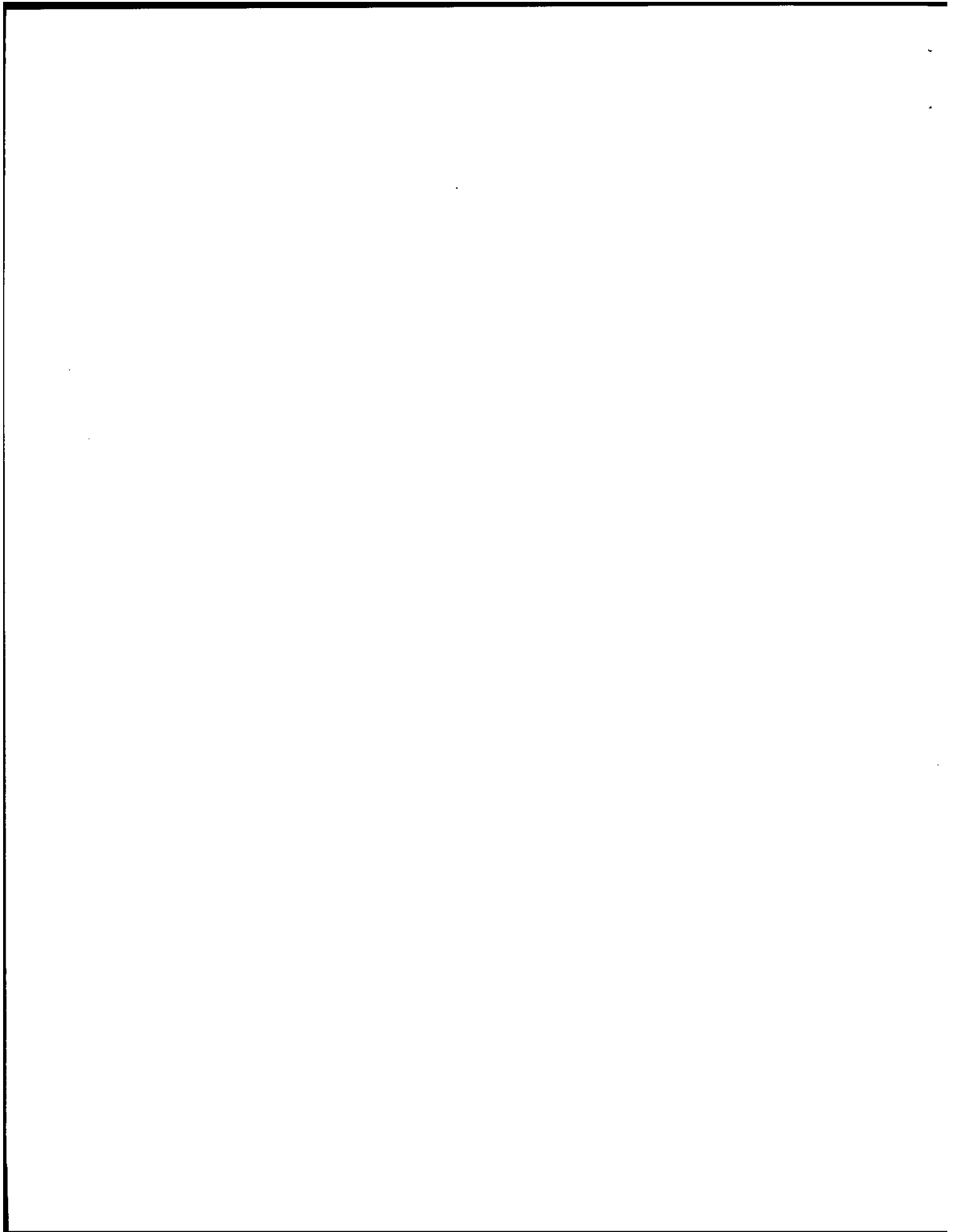
Type	Manual (standard) Rack-and-Pinion	Optional Power (Sedan only) Rack-and-Pinion
Ratio (overall)	19.0:1	18.0:1
Turns stop-to-stop	3.7	3.6
Turning diameter curb-to-curb (ft.)	31.5	31.5
Turning diameter wall-to-wall (ft.)	34.1	34.1

## BRAKES

Type	Power front vented disc/rear drum (4-wheel ABS is optional)
Gross lining, front/rear (sq. in.)	21.7/26.7 (35.7 Sedan)
Effective area, front/rear (sq. in.)	21.7/26.7 (35.7 Sedan)
Front disc rotor outer working dia. (in.)	9.02
Rear drum diameter x width (in.)	7.09 x .98 (7.87 x 1.18 Sedan)
Total sweep area, front/rear (sq. in.)	139.8/43.7 (58.3 Sedan)

## ENGINES

Model	Metro Coupe	LSi Coupe/Sedan
Type	1.0 Liter SOHC L3	1.3 Liter SOHC L4
Block	Aluminum	Aluminum
Cylinder head	Aluminum	Aluminum
Lifter Type	Hydraulic	Solid
Bore & Stroke (in.)	2.91 x 3.03	2.91 x 2.97
(mm)	74.0 x 77.0	74.0 x 75.5
Cam drive	Belt	Belt
Redline	6500	6500
Displacement (liters/CID)	1.0/61	1.3/79
Compression ratio	9.5:1	9.5:1
Fuel induction	EFI	MFI
Horsepower @ engine rpm	55 @ 5700	79 @ 6000
Torque (lb.-ft.)	58 @ 3300	75 @ 3000
Exhaust system	Inner: Stainless steel Outer: Aluminum-coated steel	Inner: Stainless steel Outer: Aluminum-coated steel
Tailpipe(s)	Single outlet	Single outlet
Ignition system	Electronic High Energy	Distributorless Ignition
Alternator rating	55amp	55amp
Battery (SAE capacity rating)	390cca	390cca
Recommend Fuel (unleaded)	87 octane	87 octane



# 1998 Chevy Metro Specifications



## TRANSMISSIONS

Transmission	Standard 5-speed manual	Optional 3-speed automatic*
Layout	FWD transverse	FWD transverse
Gear ratios:		
1st	3.42 <sup>1</sup>	2.81
2nd	1.89	1.55
3rd	1.28	1.00
4th	0.91	-
5th	0.76	-
Reverse	3.27	2.30
Final drive ratios	4.39 (3.79 Sedan)	3.61

\*Not available with 1.0 Liter L3 engine. <sup>1</sup>3.58 with 1.3 Liter engine.

## CHASSIS

Chassis	
Structure/frame	Unitized frame
Body material	Steel
Suspension — Front	
Type	Independent MacPherson strut with coil springs, front stabilizer bars
Stabilizer bar/diameter (mm)	Link/24mm
Suspension — Rear	
Type	Independent MacPherson strut with coil springs, rear stabilizer bar
Stabilizer bar/diameter (mm)	Link/18mm

## MILEAGE/PERFORMANCE\*

Engine	1.0 Liter L3	1.3 Liter L4	1.3 Liter L4
Transmission	5-speed manual	5-speed manual	3-speed automatic
Mileage:			
City	44	39	30
Highway	49	43	34
Est. cruising range:			
City	466	413	318
Highway	519	456	360

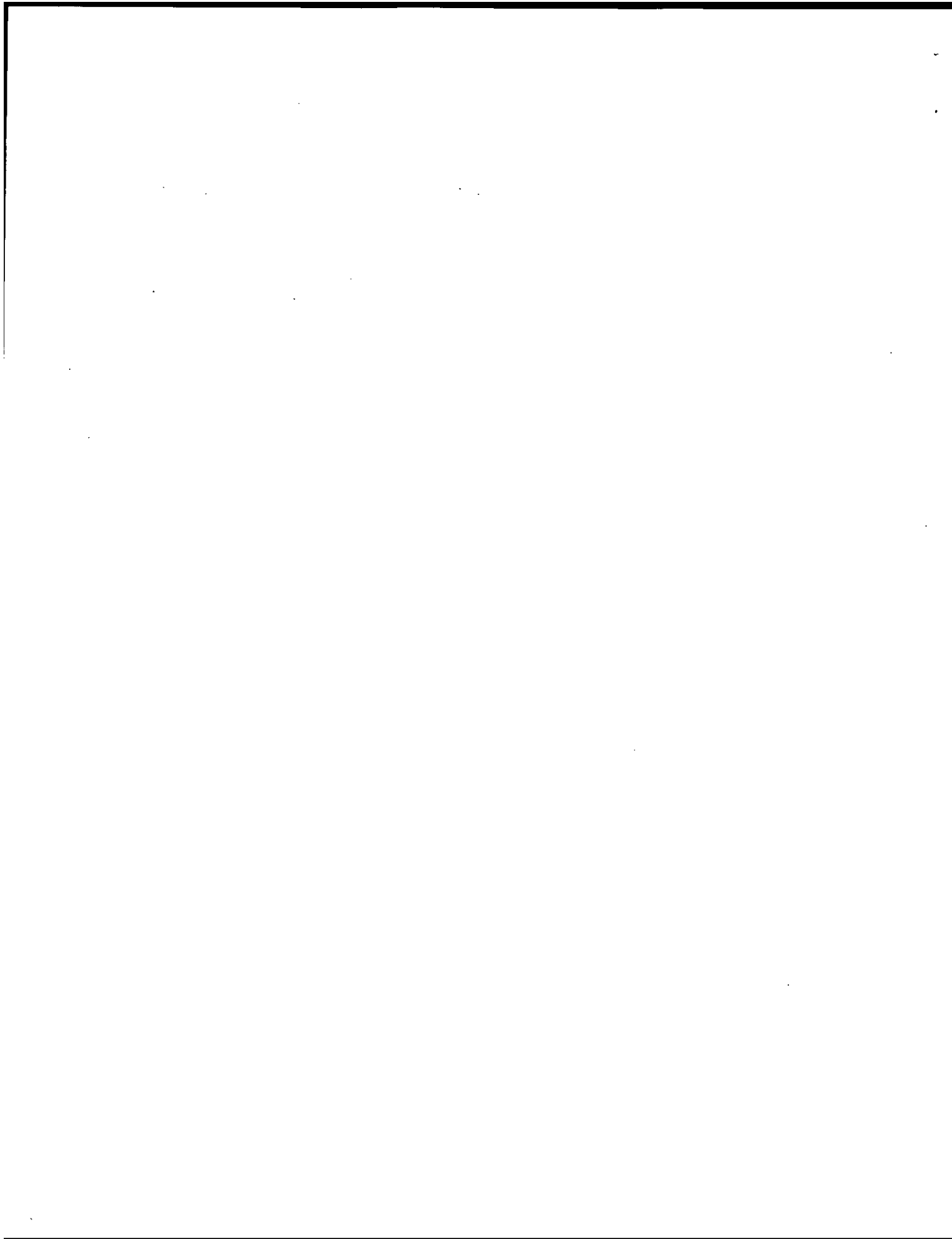
\*1997 EPA figures. 1998 figures not available at time of publication.

## TRAILERING INFORMATION

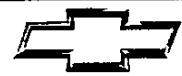
Trailer classification (Trailer with Metro is not recommended.)

## WHEELS & TIRES

Wheel type/size	Steel/13-inch x 4.5-inch
Tire type	All-season steel-belted radial
Tire size	P155/80R-13
Spare size	T115/70D-14



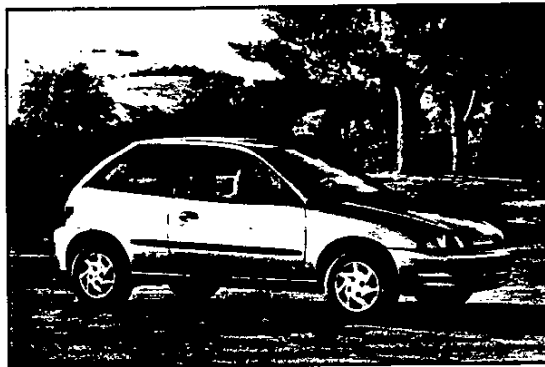
*1998 Chevy Metro Photo Order Page*



98-01MET Metro Coupe



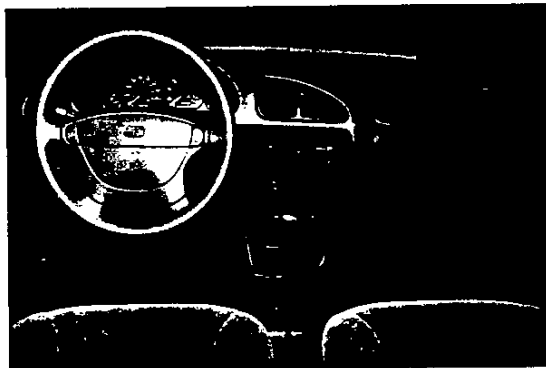
98-02MET Metro LSi Coupe



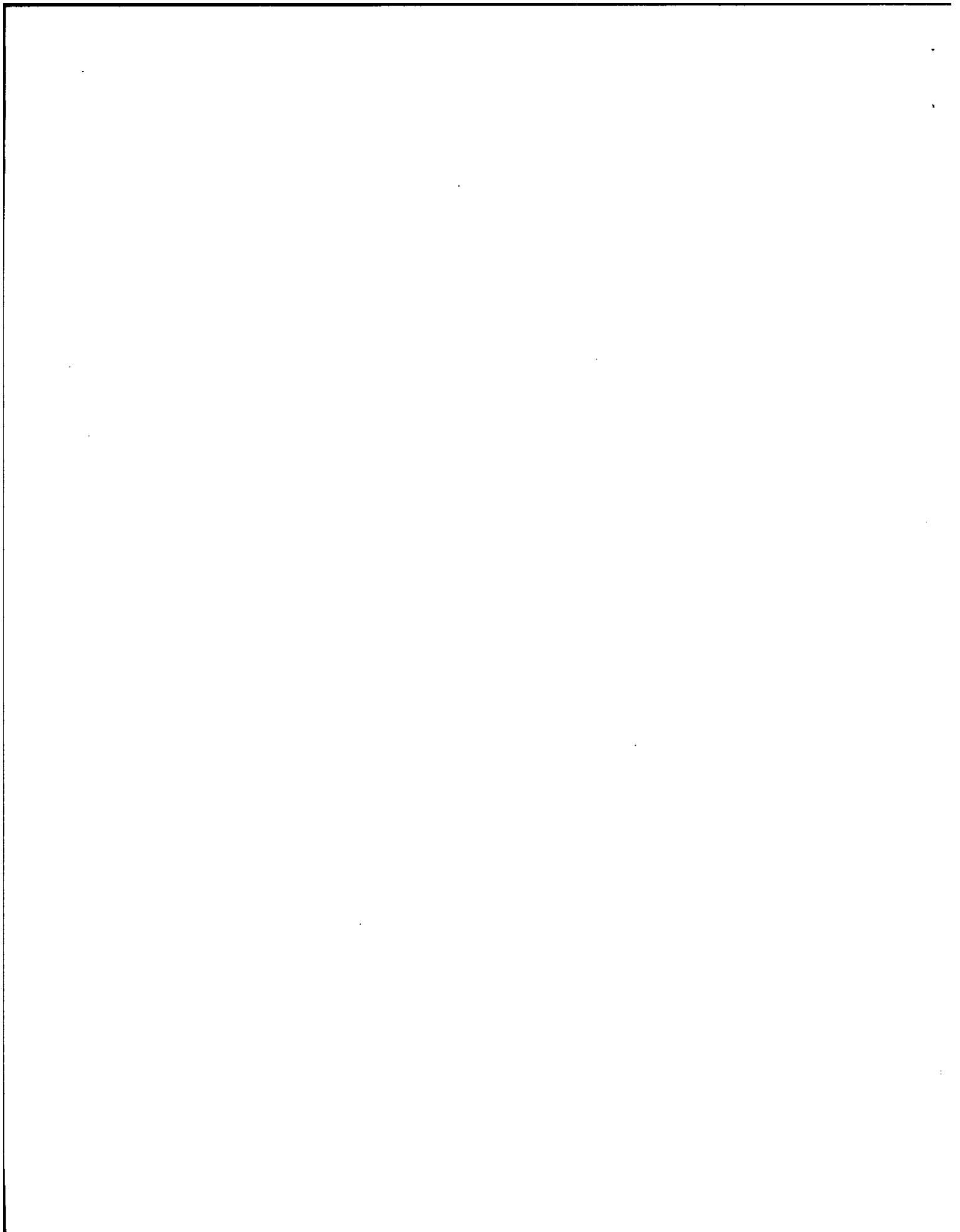
98-03MET Metro LSi Coupe



98-04MET Metro LSi Sedan



98-05MET Metro Interior



# 1998 Chevrolet Metro

## Model Availability



Base 3-Door	1MR05
LSi 3-Door	1MR08
LSi 4-Door	1MR69



## Assembly Plant

CAMI, Ingersoll, Ontario

## Major Changes for 1998



- New front and rear fascias
- Upgraded 1.3L 4-cylinder SOHC MPI engine
- New interior fabrics
- New headlights with integral turn signals
- New wheel covers



## Select Standard Features

### MECHANICAL

Engine – 1.0L L3 with EFI (Metro Base Coupe)
Engine – 1.3L L4 w/EFI (Metro, LSi Coupe & LSi Sedan)
Transmission – 5-speed manual
Drive – front wheel
Steering – manual rack-and-pinion
Suspension – independent MacPherson strut w/coil springs
Exhaust System – stainless steel

### INTERIOR

Carpeting – color-keyed, cargo area fully carpeted
Cupholders – in instrument panel
Map Pockets – driver and front passenger
Mirror – day / night rearview
Scotchgard Fabric Protector – on front and rear seats
Seats – front bucket, cloth, rear split-folding bench
Trip Odometer – (optional on Metro Base Coupe)

### EXTERIOR

Bumpers – 5-mpg
Door Handles – black
Fascias – front and rear
Stop Lamp – center high-mounted
Tires – P155/80R13 all-season steel-belted radials
Underbody Protective Coating
Wheels – 13" steel

## Select Optional Features



Air Conditioning – with CFC-free refrigerant
Brakes – 4-wheel anti-lock
Cover – cargo security
Defogger – rear window
Door Locks – power
Engine – 1.3L SOHC L4
Floor Mats – carpeted, front and rear
Radio – ETR AM/FM stereo w/seek-scan and clock
Radio – ETR AM/FM stereo w/seek-scan, cassette and clock
Radio – ETR AM/FM stereo w/seek-scan, compact disc player, and clock
Steering – power
Tachometer
Transmission – 3-speed automatic
Wiper/Washer – rear window

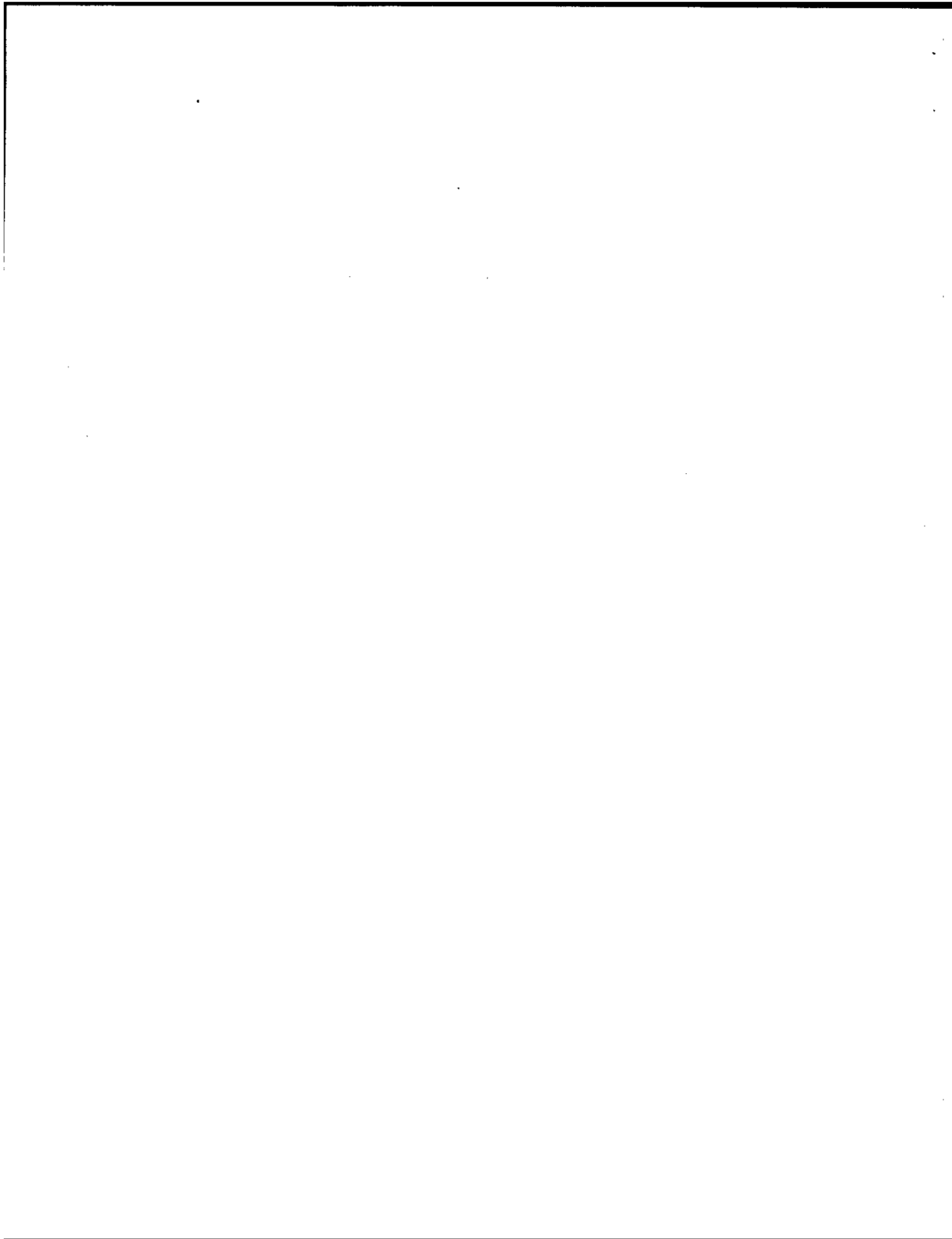
## Standard Safety Features



Air Bags – driver and passenger
Crush Zones – front and rear
Daytime Running Lamps – automatic
Safety Cage – reinforced
Security Locks – rear door, child (Sedan)
Side Door Beams

Chevrolet  
Metro





# 1998 Chevrolet Metro



## Technical Specifications

### Dimensions (in.)

EXTERIOR	Coupe	Sedan
Wheelbase	93.1	93.1
Length	TBD	TBD
Width	62.6	62.6
Height	54.7	55.4
Track, front	54.5	54.5
Track, rear	53.5	53.5

### INTERIOR

Passenger volume (cu. ft.)	85.8	90.4
Passenger capacity	4	4
Head room, front/rear (in.)	39.1 / 36.0	39.3 / 37.3
Leg room, front/rear (in.)	42.5 / 32.8	42.5 / 32.2
Shoulder room, front/rear (in.)	48.9 / 48.9	49.0 / 48.3
Hip room, front/rear (in.)	47.2 / 43.9	46.9 / 42.9

### LUGGAGE COMPARTMENT

Trunk volume (cu. ft.)	8.4 <sup>1</sup>	10.3
Liftover height (in.)	27.1	28.0

<sup>1</sup>22.5 cubic feet with rear seat folded down.

### Brakes

	Coupe (Sedan)
Type, front	power-assisted, disc
Type, rear	power-assisted, drum
ABS	4-wheel (optional)
Lining material, front	resin mold
Lining material, rear	resin mold
Swept area, front/rear (sq. in.)	139.8 / 43.7 (58.3)

### Capacities

Cooling system (qt.)	3.9 <sup>1</sup>
Fuel tank (gals.)	10.6
Base curb weight (lbs.)	1,808 (1,940)

<sup>1</sup>With manual transmission. 4.9 w/auto. transmission

### Restraint Systems

	Left	Center	Right
Front air bags	standard	—	standard
Front belts	lap/shoulder	—	lap/shoulder
Rear belts	lap/shoulder	—	lap/shoulder

### Steering & Suspension

Steering type/ratio	manual rack-and-pinion / 19.0:1
Front suspension	MacPherson strut, coil springs
Rear suspension	MacPherson strut, coil springs
Front stabilizer bar	24.0 mm diameter
Rear stabilizer bar	18.0 mm diameter

### Engines

	LP2	LT2
Engine code	LP2	LT2
Description	1.0L L3	1.3L L4
Compression ratio	9.5:1	TBD
Horsepower @ rpm	55 @ 5,700	54 @ 5,500
Torque (lbs. ft.) @ rpm	58 @ 3,300	78 @ 3,000
Exhaust system	stainless steel	stainless steel

### Tires / Wheels

Tires - standard	P155/80R13	SBR A/S BW <sup>1</sup>
Spare size (std.)	T155/70D14	compact
Wheels - standard	13x4.5	steel

### Trailer Towing

**Not Recommended**

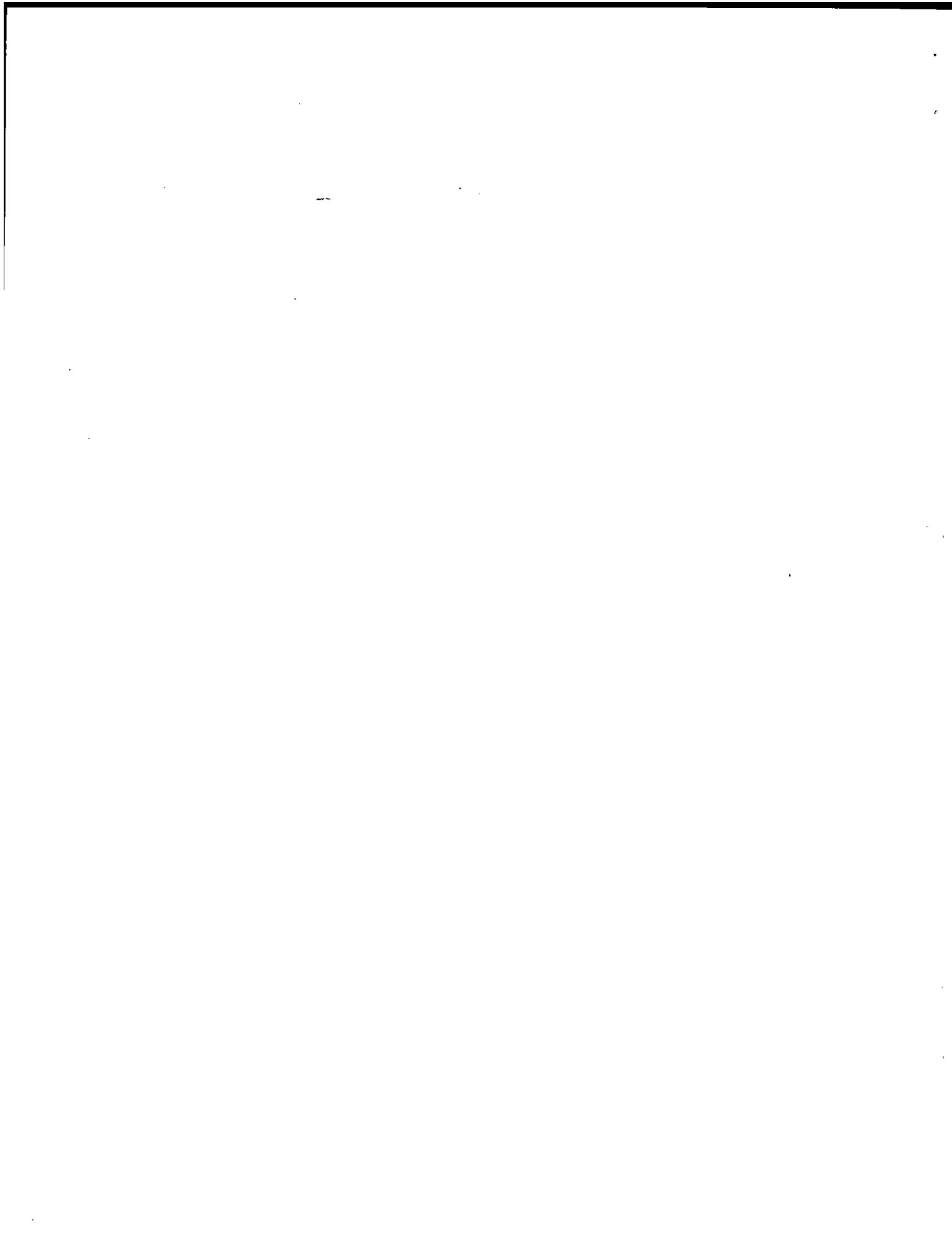
## 1998 Colors

EXTERIOR	INTERIOR		
	3-door base	3-door LSi	4-door LSi
16U White	1	2	2
18U Silver Sage <sup>Met.</sup>	—	2	2
19U Black Licorice	—	2	2
58U California Gold <sup>Met.</sup>	—	1	2
32U Scuba Blue <sup>Met.</sup>	—	2	2
43U Woodland Green <sup>Met.</sup>	—	2	2
53U Sunset Red <sup>Met.</sup>	—	2	2
74U Wildfire Red	1	2	—

1 - "Fiesta" velour fabric in neutral gray with blue and green highlights.  
2 - "Squire" velour fabric in light neutral gray with color flecks.

<sup>Met.</sup> Indicates metallic paint.

All paints (except white) use the Base-Coat/Clear-Coat system which is formulated to minimize the effects of acid rain, water-spotting and other environmental damage.



# MOTOR VEHICLE MANUFACTURERES SPECIFICATIONS

METRIC (U.S. Customary)

## 1998

Manufacturer SUZUKI MOTOR CORPORATION	Vehicle Line CHEVROLET METRO (sedan)	
Mailing Address GENERAL MOTORS CORPORATION CHEVROLET CENTRAL OFFICE 30007 VAN DYKE WARREN, MI 48090-9065	Issued Apr. 25, 1997	Revised -

Direct questions concerning these specifications to the manufacturer listed above.

The information contained herein is prepared, distributed by, and is solely the responsibility of the vehicle manufacturing company to whose products it relates. This specification form was developed by the vehicle manufacturing companies under the auspices of the American Automobile Manufacturers Association.

The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.

## AAMA

American Automobile Manufacturers Association

Blank Forms Provided by Technical Affairs Division

<b>AAMA Specifications</b> METRIC (U.S. Customary)	Vehicle Line CHEVROLET METRO (sedan)		
	Model Year 1998	Issued Apr. 25, 1997	Revised (#)

<b>Vehicle Origin</b>	
Design & development (company)	SUZUKI MOTOR CORPORATION (Japan)
Where built (country)	Canada
Authorized U.S. sales marketing representative	CHEVROLET

<b>Vehicle Models</b>				
Model Description & Drive (FWD / RWD / AWD / 4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front / Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)
Metro 1.3L 4 Door Sedan (FWD)	Late in July, 1997	1MR69	2/2	40 kg (88 lbs)
Firefly 1.3L 4 Door Sedan (FWD)	Late in July, 1997	7MR69	2/2	40 kg (88 lbs)
EPA Fuel Economy Estimate (City/Hwy)		M/T: 39/43 A/T: 30/34		
Gross Vehicle Weight Rating kg (lbs)		Gross Axle Weight Rating kg (lbs)		Gross Axle Weight Rating kg (lbs)
1.3 L 1,250 (2,756)		650 (1,433)		620 (1,367)

\* FWD - Front Wheel Drive RWD - Rear Wheel Drive AWD - All Wheel Drive 4WD - Four Wheel Drive

<b>AAMA Specifications</b> <b>METRIC (U.S. Customary)</b>	Vehicle Line CHEVROLET METRO (sedan)		
	Model Year	1998	Issued Apr. 25, 1997

**Power Teams**

SAE J1349 Net bhp (brake horsepower) and Net Torque corrected to 77°F/25°C and 29.61 in. Hg/100 kPa atmospheric pressure.

		A	B	C	D	
<b>E N G I N E</b>	Engine Code	LY8	LY8			
	Displacement Liters (in. <sup>3</sup> )	1.3(79)	1.3(79)			
	Induction system (FI, Carb. etc.)	SFI	SFI			
	Compression ratio	9.5:1	9.5:1			
	SAE Net at RPM	Power kW (bhp)	59(79)@6,000	59(79)@6,000		
		Torque N • m (lb. ft.)	101(75)@3,000	101(75)@3,000		
	Exhaust single, dual	Single	Single			
<b>T R A N S</b>	Transmission/ Transaxle	Manual 5 speed	Automatic 3 speed			
	Effective Final Drive / Axle Ratio (std. first)	3.789	3.684 x 0.980			

Model	Series Availability Code	Power Teams (A - B - C - D)	
		Standard	Optional
METRO 4-door Sedan (M/T)	1MR69	A	
METRO 4-door Sedan (A/T)	1MR69	B	
FIREFLY 4-door Sedan (M/T)	7MR69	A	
FIREFLY 4-door Sedan (A/T)	7MR69	B	

# AAMA Specifications

## METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (sedan)

Model 1998  
Year

Issued Apr. 25, 1997

Revised (•)

Engine Description		1.3 L L4 (79 CID) EFI
Engine Code		LY8
<b>Engine - General</b>		
Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		Inline, Front Transverse SOHC Pentroof
Manufacturer		SUZUKI MOTOR CORPORATION
No. of cylinders		4
Bore		74 mm (2.91 in.)
Stroke		75.5 mm (2.97 in.)
Piston Displacement		1298 cc
Bore Spacing (C/L to C/L)		84 mm (3.31 in.)
Cylinder block material & mass kg. (lbs.) (machined)		Aluminum Alloy, 14.08 (30.98)
Cylinder block deck height		186.8 mm (7.35 in.)
Cylinder block length		372 mm (14.65 in.)
Deck clearance (minimum) (above or below block)		0.2 mm (0.01 in.) above
Cylinder head material & mass kg. (lbs.)		Aluminum Alloy, 7.83 (17.3)
Cylinder head volume cm <sup>3</sup> (inches <sup>3</sup> )		25.5 (1.56)
Cylinder liner material		Cast iron
Head gasket thickness (compressed)		1.2 (0.05)
Minimum combustion chamber total volume cm <sup>3</sup> (inches <sup>3</sup> )		38.2 cm <sup>3</sup>
Cyl. no. system (front to rear)*	L. Bank	1-2-3-4
	R. Bank	.....
Firing order		1-3-4-2
Intake manifold material & mass kg. (lbs.)**		Steel 4.7 (10.3)
Exhaust manifold material & mass kg. (lbs.)**		Fed: Cast iron, Cal: Stainless steel Fed.: 4.2 (9.3), Cal: 4.6 (10.1)
Knock sensor (number & location)		N.A.
Fuel required unleaded, diesel, etc.		Unleaded
Fuel antiknock index (R + M) / 2		87 or more
Engine Mounts	Quantity	3
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	MT: Elastomeric Rubber AT: Elastomeric Rubber and Hydroelastic Elastomer
	Added isolation (sub-frame, crossmember, etc.)	None
Total dressed engine mass (wt) dry***		MT: 81.0 kg (178.6 lbs) AT: 78.0 kg (172.0 lbs)
<b>Engine - Pistons</b>		
Material & mass, g (weight, oz.) - piston only		Aluminum Alloy, 214 g (7.55 oz)
<b>Engine - Camshaft</b>		
Location		Cylinder Head
Material & mass kg (weight, lbs.)		Cast iron, 1.950 (4.30)
Drive type	Chain / belt	Belt
	Width / pitch	25.4 / 9.525 (1.00 / 0.38)

\* Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.

\*\* Finished state.

\*\*\* Dressed engine mass (weight) includes the following: All those items necessary to make the engine a complete ready-to-run unit.

<b>AAMA Specifications</b> <b>METRIC (U.S. Customary)</b>	Vehicle Line <b>CHEVROLET METRO (sedan)</b>		
	Model Year	1998	Issued <b>Apr. 25, 1997</b>
		Revised (●)	-

Engine Description		1.3 L L4 (79 CID) EFI	
Engine Code		LY8	
<b>Engine - Valve System</b>			
Hydraulic lifters (std., opt., n.a.)		N.A.	
Valves	Number intake / exhaust		8/8
	Head O.D. intake / exhaust		29.2 / 25.0mm (1.15 / 0.98in.)
<b>Engine - Connecting Rods</b>			
Material & mass kg., (weight, lbs.)*		Forged steel 0.37 (0.82)	
Length (axes C/L to C/L)		120 mm (4.72in)	
<b>Engine - Crankshaft</b>			
Material & mass kg., (weight, lbs.)*		Nodular cast iron 7.253 (15.99)	
End thrust taken by bearing (no.)		2	
Length & number of main bearings		18mm (0.71in) x 5	
Seal (material, one, two piece design, etc.)	Front	Rubber, 1 piece	
	Rear	Rubber, 1 piece	
<b>Engine - Lubrication System</b>			
Normal oil pressure kPa (psi) at engine rpm		392 (56.8) @4,000	
Type of intake (floating, stationary)		Stationary	
Oil filter system (full flow, part, other)		Full flow	
Capacity of c/case, less filter-refill-L (qt.)		3.1 (3.3)	
Lubri- cant	Factory Fill	Viscosity (SAE No.)	5W-30
		Service Designation	SJ,GF-2
	User Recommended	Viscosity (SAE No.)	5W-30
		Service Designation	SJ,GF-2
<b>Engine - Diesel Information</b>			
Diesel engine manufacturer		N.A.	
Glow plug, current drain at 0_F.		N.A.	
Injector nozzle	Type	N.A.	
	Opening pressure kPa (psi)	N.A.	
Pre-chamber design		N.A.	
Fuel Injection pump	Manufacturer	N.A.	
	Type	N.A.	
Fuel injection pump drive (belt, chain, gear)		N.A.	
Supplementary vacuum source (type)		N.A.	
Fuel heater (yes/no)		N.A.	
Water separator, description (std., opt.)		N.A.	
Turbo manufacturer		N.A.	
Oil cooler-type (oil to engine coolant, oil to ambient air)		N.A.	
Oil filter		N.A.	
<b>Engine - Intake System</b>			
Turbo charger - manufacturer		N.A.	
Super charger - manufacturer		N.A.	
Intercooler		N.A.	

\* Finished State



**AAMA Specifications**  
**METRIC (U.S. Customary)**

Vehicle Line	CHEVROLET METRO (sedan)		
Model Year	1998	Issued	Apr. 25, 1997
		Revised (●)	-

Engine Description		1.3 L L4 (79 CID) EFI
Engine Code		LY8
<b>Engine - Cooling System</b>		
Coolant recovery system (std., opt., n.s.)		Std.
Coolant fill location (rad., bottle)		Bottle
Radiator cap relief valve pressure kPa (psi)		88.3 (12.8)
Circulation thermostat	Type (choke, bypass)	Bypass
	Starts to open at _C (_F)	88 (190)
Water pump	Type (centrifugal, other)	Centrifugal
	GMP 1000 pump rpm	4
	Number of pumps	1
	Drive (V-belt, other)	V-Ribbed Belt
	Bearing type	Ball
	Impeller material	Steel
Housing material		Aluminum alloy
By-pass recirculation type (inter., ext.)		Ext.
Cooling System capacity	With heater - L (qt.)	MT:4.6 AT:4.7
	With air conditioner - L (qt.)	MT:4.6 AT:4.7
	Opt. equipment specify - L (qt.)	N.A.
Water jackets full length of cyl. (yes, no)		Yes
Water all around cylinder (yes, no)		Yes
Water jackets open at head face (yes, no)		Yes
Radiator core	Std., A/C, HD	Std.
	Type (cross-flow, etc.)	Vertical Flow
	Construction (fin & tube mechanical, brazed, etc.)	Fin & Tube
	Material, mass kg (wgt. lbs.)	Aluminum MT:1.4, AT:2.2
	Width	353.4 mm (13.9 in.)
	Height	349.2 mm (13.7 in.)
	Thickness	MT:16 mm (0.63 in.) AT:27 mm (1.06 in.)
Fins per inch		10
Radiator end tank material		Plastics
Fan	Std., elec., opt.	Std, elec
	Number of blades & type (flex, solid, material)	5, Solid, Plastics
	Number & location (front, rear of radiator)	1, Rear
	Diameter & projected width	280 mm (11.02 in.)
	Ratio (fan to crankshaft rev.)	N.A.
	Fan cutout type	—
	Drive type (direct, remote)	Electric motor drive
	RPM at idle (elec.)	2100 rpm
	Motor rating (wattage/elec.)	80 W
	Motor switch (type & location/elec.)	controlled by ECU in instrument pane(ECU),on thermostat case(temp. sensor)
	Switch point (temp./pressure/elec.)	ON/OFF 98/93°C
Fan shroud (material)		plastic

<b>AAMA Specifications</b> <b>METRIC (U.S. Customary)</b>	Vehicle Line <b>CHEVROLET METRO (sedan)</b>		
	Model Year	1998	Issued Apr. 25, 1997

Engine Description		1.3 L L4 (79 CID) EFI
Engine Code		LY8
<b>Engine - Fuel System</b> (See Supplemental page for details of Fuel Injection, Supercharger, Turbocharger, etc. if used.)		
Induction type: carburetor, fuel injection system, etc.		Fuel Injection
Manufacturer		DENSO
Carburetor no. of barrels		N.A.
Idle A/F max.		Preset at manufacturer
Fuel injection	Point of injection (no.)	Intake Manifold (4)
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic
	System pressure kPa (psi)	284 (41)
Idle speed-rpm (spec. neutral or drive and propane if used)	Manual	750
	Automatic	750
Intake manifold heat control (exhaust or water thermostatic or fixed)		N.A.
Air cleaner type		Replaceable nonwoven fabric element, Single snorkel
Fuel filter (type/location)		paper / fuel tank
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Fuel Tank
	Pressure range kPa (psi)	637 (93)
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	80@294 (21.1@43)
<b>Fuel Tank</b>		
Capacity refill L (gallons)		39(10.3)
Location (describe)		Under floor - Rear
Attachment		Bolts
Material & Mass kg. (weight lbs.)		Steel, 9.2 (20.3)
Filler pipe	Location & material	Left side rear quarter panel, Steel
	Connection to tank	Kevlar reinforced rubber hose
Fuel line (material)		Steel
Fuel hose (material)		Rubber & Nylon
Return line (material)		Steel
Vapor line (material)		Steel and Rubber
Extended range tank	Opt. n.a.	N.A.
	Capacity L (gallons)	N.A.
	Location & material	N.A.
	Attachment	N.A.
Auxiliary tank	Opt. n.a.	N.A.
	Capacity L (gallons)	N.A.
	Location & material	N.A.
	Attachment	N.A.
	Selector switch or valve	N.A.
Separate fill		N.A.

1 1/2  
2 7/8  
2 1/8

# AAMA Specifications

Vehicle Line CHEVROLET METRO (sedan)

METRIC (U.S. Customary)

Model Year	1998	Issued	Apr. 25, 1997	Revised (#)	
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Engine Description		1.3 L L4 (79 CID) EFI		
Engine Code		LY8		
<b>Vehicle Emission Control</b>				
Exhaust Emission Control	Type (air injection, engine modifications, other)		Fed: SFI/TWC/HO2S Cal: SFI/WU-TWC/TWC/HO2S	
	Air injection	Pump or pulse	N.A.	
		Driven by	N.A.	
		Air distribution (head, manifold, etc.)	N.A.	
		Point of entry	N.A.	
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)		N.A.
		Exhaust source		N.A.
		Point of exhaust injection (spec. carburetor, manifold, other)		N.A.
	Catalytic Converter	Type		Three way cat. Federal: JV8 California: JV9
		Number of		Fed: 1 Cal: 2
		Location(s)		Fed: Under floor Cal: Manifold & Under floor
		Volume L (in. <sup>3</sup> )		Fed: 1.0 L (62 in. <sup>3</sup> ) Cal: 1st-0.80 L (49 in. <sup>3</sup> ), 2nd-1.0 L (62 in. <sup>3</sup> )
		Substrate type		monolith 62 cells / cm <sup>2</sup>
Noble metal type		JV8: Platinum & Palladium & Rhodium JV9: Platinum & Palladium & Rhodium, Platinum & Rhodium		
Noble metal concentration (g/cm <sup>3</sup> )		Confidential		
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction System (Positive Crankcase Ventilation System)	
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum	
	Discharges to (intake manifold, other)		Surge Tank	
	Air inlet (breather cap, other)		Air cleaner outlet hose	
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel Tank	Canister	
		Carburetor	N.A.	
	Vapor storage provision		Canister	
	Canister	Medium	Activated Carbon	
		Absorption working Capacity	85	
Volume		1.85		
Electronic system	Closed loop (yes/no)		Yes	
	Open loop (yes/no)		No	
California OBD-II System (yes/no)		Yes		
Evap-II System for Fed. spec. vehicle (yes/no)		yes		
Evap-II System for Cal. spec. vehicle (yes/no)		yes		
<b>Engine - Exhaust System</b>				
Type (single, single with cross-over, dual, other)		Single		
Muffler no. & type (reverse flow, straight thru, separate resonator), Muffler volume (liters), Material & Mass kg. (weight lbs.)		Muffler 1, Reverse Flow, 6		
Resonator no., type, & volume (liters)		1, straight thru, 1.5		
Exhaust pipe	Branch o.d., wall thickness		N.A.	
	Main o.d., wall thickness		φ 38.1 - 1.2 mm / φ 41.3 - 1.2 mm	
	Material & Mass kg. (weight lbs.)		Inner: stainless steel, Outer: Aluminum coated steel	
Intermediate pipe	o.d. & wall thickness		φ 38.1-2.0mm	

	Material & Mass kg. (weight lbs.)	Dimensions (outside diam.)
Tail pipe	o.d. & wall thickness	∅ 38.1 - 1.2 mm
	Material & Mass kg. (weight lbs.)	Stainless steel

1 2 3 4 5 6 7 8 9 A	<b>AAMA Specifications</b>				
	<b>METRIC (U.S. Customary)</b>	Model Year	1998	Issued	Apr. 25, 1997
				Revised (®)	

<b>Engine Description</b>		1.3 L L4 (79 CID) EFI	
<b>Engine Code</b>		LY8	
<b>Transmissions/Transaxle (Std., Opt., N.A.)</b>			
Manual 4-speed (manufacturer/country)		N.A.	
Manual 5-speed (manufacturer/country)		SUZUKI MOTOR CORPORATION/Japan	
Manual 6-speed (manufacturer/country)		N.A.	
Automatic (manufacturer/country)		AISIN SEIKI / JAPAN	
Automatic overdrive (manufacturer/country)		N.A.	
<b>Manual Transmission/Transaxle</b>			
Number of forward speeds		5	
Gear ratios	1st	3.583	
	2nd	1.894	
	3rd	1.28	
	4th	0.914	
	5th	0.757	
	6th	N.A.	
	Reverse	3.272	
Synchronous meshing (specify gears)		All forward gears	
Shift lever location		Floor mounted	
Trans. case material & mass kg. (lbs.)*		Aluminum die-cast 28.2 (62.2)	
Lubricant	Capacity L (pt.)	2.4 (5.1)	
	Type recommended	Gear oil GL-4	
<b>Clutch (Manual Transmission)</b>			
Clutch manufacturer		DAIKIN CLUTCH CORPORATION, DAIKIN MFG. CO., LTD.	
Clutch type (dry, wet, single, multiple disc)		Dry, single disc	
Linkage (hydraulic, cable, rod, lever, other)		Cable	
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	120	
	Released	75	
Assist (spring, power/percent, nominal)		None	
Type pressure plate springs		Diaphragm spring	
Total spring load (nominal) N (lbs.)		3187 N (716.9 lbs.)	
Clutch facing	Facing mfg. & material coding	ASK TECHNICA CORPORATION, JD-8	
	Facing material & construction	Non-asbestos, Semimold	
	Rivets per facing	16	
	Outside x inside dia. (nominal)	190 x 132 (7.48 x 5.20)	
	Total eff. area cm <sup>2</sup> (in. <sup>2</sup> )	147 (22.8)	
	Thickness (pressure plate side/fly wheel side)	3.5 mm / 3.5 mm (0.14in / 0.14in)	
	Rivet depth (pressure plate side/fly wheel side)	Min. 1.3 mm / Min. 1.3 mm (0.05in/0.05in)	
	Engagement cushion method	Separate cushion type	
Release bearing type & method lub.		Automatic center adjusting type with grease lubrication	
Torsional damping method, springs, hysteresis		Spring type	

\* Includes shift linkage, lubricant, and clutch housing. If other specify.

<b>AAMA Specifications</b> <b>METRIC (U.S. Customary)</b>	Vehicle Line CHEVROLET METRO (sedan)		
	Model Year 1988	Issued Apr. 25, 1997	Revised (•)

Engine Description		1.3 L L4 (79 CID) EFI	
Engine Code		LY8	
<b>Automatic Transmission/Transaxle</b>			
Trade Name		3-speed automatic	
Type and special features (describe)		torque converter with planetary gears	
Shift mechanics		Electronic control	
Gear selector	Location (column, floor, other)	Floor Mounted	
	Ltr./No designation (e.g. PRND21)	P-R-N-D-2-L	
	Shift interlock (yes, no, describe)	Yes	
Gear ratios	1st	2.81	
	2nd	1.549	
	3rd	1	
	4th	N.A.	
	5th	N.A.	
	6th	N.A.	
	Reverse	2.296	
	Final drive ratio	0.980 x 3.684	
Max. upshift vehicle speed - drive range km/h (mph)		1-2: 61(37.9), 2-3: 112(69.6)	
Max. upshift engine speed RPM		1-2:5880, 2-3:5960	
Max. lockdown speed - drive range km/h (mph)		2-1: 55(34.2), 3-2: 105(65.3)	
Min. overdrive speed km/h (mph)		N.A.	
Torque converter	Type	3 elements, 1 stage, 2 phases	
	Torus design	ROUND	
	Number of elements	3	
	Max. ratio at stall	2.34:1	
	Type of cooling (air, liquid)	Liquid	
	Nominal diameter	226 mm (8.90 in.)	
Capacity factor "K"	K: 265		
Pump type		Trochoid pump	
Lubricant	Capacity refill L (pt.)	4.9 (10.4)	
	Type recommended	DEXRON III	
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Std., Integral with radiator	
Transmission mass kg (lbs.) & case material**		Aluminum die-cast, 51 (112)	
<b>All Wheel / 4 Wheel Drive</b>			
Description & type (part-time, full-time, 2/4 shift while moving, mechanical, elect., chain/gear, etc.)		N.A.	
Transfer case	Manufacturer and model	N.A.	
	Type and location	N.A.	
Transfer Lubricant	Capacity	Liter (Pt)	N.A.
	Factory Fill	Viscosity (SAE No.)	N.A.
		Service Designation	N.A.
	User Recommended	Viscosity (SAE No.)	N.A.
		Service Designation	N.A.
	Low-range gear ratio		N.A.
System disconnect (describe)		N.A.	
Center differential	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)	N.A.	
	Torque split (% front/rear)	N.A.	

\* Input speed =  $\sqrt{\text{torque}}$

\*\* Dry weight including torque converter. If other, specify.

METRIC (U.S. Customary)	Model	1998	issued	Apr. 25, 1997	Revised (®)	-
	Year					

Engine Description / Code		1.3 L L4 (79 CID) EFI		LY8
Transmission		5 Speed Manual and 3 Speed Automatic		
<b>Axle Ratio and Tooth Combinations</b> (See 'Power Teams' for axle ratio usage)				
Effective final drive ratio (or overall top gear ratio)		MT: 3.789, AT: 3.610 (0.980 x 3.684)		
Transfer ratio and method (chain, gear, etc.)		N.A.		
Front drive unit	Ring gear o.d.		MT: 181.12 mm (7.13 in.), AT: 185.83 mm (7.32 in.)	
	No. of teeth	Pinion	MT: 19, AT: 51, 19	
		Ring gear	MT: 72, AT: 50, 70	
<b>Front Drive Unit</b>				
Description (integral to trans., etc.)		Front differential with helical gears and ball bearing		
Limited slip differential (type)		N.A.		
Drive pinion	Type	Helical gear		
	Offset	N.A.		
No. of differential pinions		2		
Pinion/differential	Adjustment (shim, etc.)	Shim		
	Bearing adjustment	N.A.		
Driving wheel bearing (type)		Ball bearing		
Transmission	Capacity L (pt.)	MT: See Page 8, AT: See Page 9		
Lubricant	Type recommended	MT: See Page 8, AT: See Page 9		
Differential	Capacity L (pt.)	N.A.		
Lubricant	Factory Fill	Viscosity (SAE No.)	N.A.	
		Service Designation	N.A.	
	User Recommended	Viscosity (SAE No.)	N.A.	
		Service Designation	N.A.	
<b>Axle Shafts - Front Wheel Drive</b>				
Manufacturer and number used		NTN CORPORATION, 2		
Type (straight, solid bar, tubular, etc.)	Left	Solid bar		
	Right	MT: Solid bar, AT: Tubular		
Outer diameter x length* x wall thickness	Manual Transaxle	Left	22 x 393.5 mm (0.87 x 15.49 in.)	
		Right	22 x 393.5 mm (0.87 x 15.49 in.)	
	Automatic transaxle	Left	22 x 348.5 mm (0.87 x 13.72 in.)	
		Right	31.8x 669.5x3.8 mm (1.25 x 26.34 x 0.15 in.)	
	Optional transaxle	Left	N.A.	
		Right	N.A.	
Slip yoke	Type	N.A.		
	Number of teeth	N.A.		
	Spine o.d.	N.A.		
Universal joints	Make and mfg. no.	Inner	NTN CORPORATION	
		Outer	NTN CORPORATION	
	Number used	4		
	Type, size, plunge	Inner	MT: DOJ 75, AT: TJ75,	
		Outer	Rzeppa, BJ75	
	Attach (u-bolt, clamp, etc.)	Serration		
Bearing	Type (plain, anti-friction)	Anti-friction		
	Lubrication (fitting, prepack)	Prepack		
Drive taken through (torque tube, arms or springs)		McPherson strut and Lower control arm		
Torque taken through (torque tube, arms or springs)		Engine mounting system		

\* Centerline to centerline of universal joints, or to centerline of attachment.

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<b>AAMA Specifications</b>	Vehicle Line CHEVROLET METRO (sedan)		
	Model Year	1998	Issued Apr. 25, 1997

Model Code/Description and/or Engine Code/Description	4 door sedan
	LY8 1.3 L L4 (79 CID) EFI

<b>Suspension - General Including Electronic Controls</b>			
Car leveling	Standard/optional/not available	N.A.	
	Manual/automatic control	N.A.	
	Type (air/hydraulic)	N.A.	
	Primary/assist spring	N.A.	
	Rear only/4 wheel leveling	N.A.	
	Single/dual rate spring	N.A.	
	Single/dual ride heights	N.A.	
	Provision for jacking	N.A.	
Shock absorber damping controls	Standard/option/not available	N.A.	
	Manual/automatic control	N.A.	
	Number of damping rates	N.A.	
	Type of actuation (manual/electric motor/air, etc.)	N.A.	
	Sensors	Lateral acceleration	N.A.
		Deceleration	N.A.
Acceleration		N.A.	
Road surface		N.A.	
Shock absorber (front & rear)	Type	McPherson	McPherson, Double acting hydraulic
	Make	AMERICAN SHOWA, INC.	AMERICAN SHOWA, INC.
	Piston diameter	25	25
	Rod diameter	18	18

<b>Suspension - Front</b>		
Type and description		McPherson strut with coil spring
Travel	Full jounce (define load condition)	84
	Full rebound	41.5
Spring	Type (coil, leaf, other & material)	Coil, Steel
	Insulators (type & material)	Rubber
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	Coil: M/T: right 302.5 x 121, left 311.5 x 120.8 A/T: right 302.5 x 121, left 311.5 x 120.8
	Spring rate N/mm (lb./in.)	21.6 (123.2)
	Rate at wheel N/mm (lb./in.)	21.6 (123.2)
	If Leaf, No. of leaves	N.A.
Stabilizer	Type (link, linkless, frameless)	Link
	Material & O.D. bar/tube, wall thickness	Steel bar, f 24 mm
	Track bar (type)	N.A.

<b>Suspension - Rear</b>		
Type and description		McPherson strut, Separate coil spring
Travel	Full jounce (define load condition)	63
	Full rebound	26.5
Spring	Type (coil, leaf, other & material)	Coil, Steel
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	275.5 x 95
	Spring rate N/mm (lb./in.)	50.5 (287.9)
	Rate at wheel N/mm (lb./in.)	19.6 (111.8)
	Insulators (type & material)	Rubber top only
	If leaf	No. of leaves
Shackle (comp. or tens.)		N.A.
Stabilizer	Type (link, linkless, frameless)	Link
	Material & O.D. bar/tube, wall thickness	Steel, φ 18 mm
Track bar (type)	None	



# AAMA Specifications

## METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (sedan)

Model Year 1998

Issued Apr. 25, 1997

Revised (#)

Model Code/Description and/or Engine Code/Description		4 door sedan LY8		1.3 L L4 (79 CID) EFI	
<b>Brakes - Service</b>					
Description			Power - assisted (front ventilated disc / rear drum)		
Manufacturer and brake type (std., opt., n.a.)		Front (disc or drum)	Tokico		disc
		Rear (disc or drum)	FINDLEX		drum
Valving type (proportion, delay, metering, other)			Proportion		
Power brake (std., opt., n.a.)			Std.		
Booster type (remote, integral, vac., hyd., etc.)			Vac.		
Vacuum	Source (inline, pump, etc.)		Inline(intake manifold)		
	Reservoir (volume in. <sup>3</sup> )		N.A.		
	Pump-type(elec., gear or belt driven)		N.A.		
Traction assist	Operational speed range		N.A.		
	Type (engine or brake intervention)		N.A.		
Antilock device	Front/rear (std., opt., n.a.)		4 wheel		
	Manufacturer		DELPHI CHASSIS		
	Type (electronic, mech.)		electronic		
	Number sensors or circuits		4 sensors		
	Number antilock hydraulic circuits		3 circuits		
	Integral or add-on system		Add-on system		
	Yaw control (yes, no)		yes		
Hyd power source (elec., vac., mtr., per. strg.)		Electronic			
Effective area cm <sup>2</sup> (in. <sup>2</sup> ) <sup>*</sup>		140/230 (21.7/35.7)			
Gross Lining area cm <sup>2</sup> (in. <sup>2</sup> ) <sup>**</sup> (F/R)		140/230 (21.7/35.7)			
Swept area cm <sup>2</sup> (in. <sup>2</sup> ) <sup>***</sup> (F/R)		902/376 (139.8/58.3)			
Rotor	Outer working diameter	F/R	229 (9.02) / -		
	Inner working diameter	F/R	154 (6.06) / -		
	Thickness	F/R	17 (0.67) / -		
	Material & type (vented/solid)	F/R	Cast iron, Vented/-		
Drum	Diameter & width	F/R	- /200 x 30 (- / 7.87 x 1.18 in.)		
	Type and material	F/R	-/cast iron		
Wheel cylinder bore		48.1 / 17.4 (1.89 / 0.685 )			
Master cylinder	Bore/stroke	F/R	20.6 /29.5 (0.81 / 1.16)		
Pedal arc ratio		4.1:1			
Line pressure at 445 N (100 lb.) pedal load [kPa (psi)]		9.6A-103			
Lining clearance		F/R	Self adjusting/Self adjusting		
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Rivet Size		N.A.	
		Manufacturer		FERODO AUTOMOTIVE PRODUCTS	
		Lining code ****		FA 005 FF	
		Material		Non-asbestos, Resin mold including metal	
		****	Primary or out-board	105 X 37.5 X 10 (4.13x1.48x0.39)	
		Size	Secondary or in-board	105 X 37.5 X 10 (4.13x1.48x0.39)	
	Shoe thickness (no lining)		5 mm (0.20 in.)		
	Rear wheel	Bonded or riveted (rvts/seg.)		Bonded	
		Manufacturer		FERODO AUTOMOTIVE PRODUCTS	
		Lining code ****		FA 905 EE	
		Material		Non-asbestos, Resin mold	
		****	Primary or out-board	191.9x30x4.2(7.56x1.18x0.17)	
		Size	Secondary or in-board	191.9x30x4.2(7.56x1.18x0.17)	
Shoe thickness (no lining)		2.0 (0.079)			

- \* Excludes rivet holes, grooves, chamfers, etc.
- \*\* Includes rivet holes, grooves, chamfers, etc.
- \*\*\* Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.) (Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)
- \*\*\*\* Size for drum brakes includes length x width x thickness.
- \*\*\*\*\* Manufacturer I.D., catalog for formulation designation and coefficient of friction classification.

<b>AAMA Specifications</b> <b>METRIC (U.S. Customary)</b>	Vehicle Line <b>CHEVROLET METRO (sedan)</b>		
	Model Year	1988	Issued <b>Apr. 25, 1997</b>
			Revised (®)

Model Code/Description and/or Engine Code/Description	4 door sedan LY8	1.3 L L4 (79 CID) EFI
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<b>Tires And Wheels (Standard)</b>			
Tires	Size (service description)		P155/80R13
	Manufacturer		GOODYEAR
	Type (bias, radial, steel, nylon, etc.)		Radial Four season tread design
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	220(32)
		Rear kPa (psi)	220(32)
Rev./mile at 70 km/h (45 mph)		912	
Wheels	Type & material		Drop center, Steel
	Rim (size & flange type)		13 x 4 1/2J
	Wheel offset		45 mm
	Attachment	Type (bolt or stud & nut)	Stud & nut
		Circle diameter	114.3 mm
Number & size		4-M12	
Spare	Tire and wheel		T115/70D14, 14 x 4T
	Storage position & location (describe)		Flat under rear load floor

<b>Tires And Wheels (Optional)</b>		
Tire size (service description)	N.A.	
Type (bias, radial, steel, nylon, etc.)	N.A.	
Wheel (type & material)	N.A.	
Rim (size, flange type and offset)	N.A.	
Tire size (service description)	N.A.	
Type (bias, radial, steel, nylon, etc.)	N.A.	
Wheel (type & material)	N.A.	
Rim (size, flange type and offset)	N.A.	
Tire size (service description)	N.A.	
Type (bias, radial, steel, nylon, etc.)	N.A.	
Wheel (type & material)	N.A.	
Rim (size, flange type and offset)	N.A.	
Tire size (service description)	N.A.	
Type (bias, radial, steel, nylon, etc.)	N.A.	
Wheel (type & material)	N.A.	
Rim (size, flange type and offset)	N.A.	
Spare tire and wheel size (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	N.A.	

<b>Brakes - Parking</b>		
Type of control	Lever-hand operated	
Location of control	Between front seats	
Operates on	Rear service brakes	
If separate from service brakes	Type (internal or external)	N.A.
	Drum diameter	N.A.
	Lining size (length x width x thickness)	N.A.

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METRIC (U.S. Customary)	Model Year	1998	Issued	Apr. 25, 1997	Revised (e)

Model Code/Description and/or		4 door sedan		
Engine Code/Description		LY8 1.3 L L4 (79 CID) EFI		
<b>Steering</b>				
Manual (std., opt., n.a.)		Std.		
Power (std., opt., n.a.)		Opt.		
Speed-sensitive (std., opt., n.a.)		N.A.		
4-wheel steering (std., opt., n.a.)		N.A.		
Adjustable steering wheel/column (tilt, telescope, other)	Type	N.A.		
	Manufacturer	N.A.		
	(std., opt., n.a.)	N.A.		
Wheel diameter** (W9) SAE J1100	Manual	385 (15.2)		
	Power	385 (15.2)		
Turning diameter m (ft.)	front	Wall to wall (l. & r.)	10.4 (34.1)	
		Curb to curb (l. & r.)	9.6 (31.5)	
	rear	Wall to wall (l. & r.)	N.A.	
		Curb to curb (l. & r.)	N.A.	
Scrub Radius*		-1 mm		
Manual	Gear	Type	Rack and pinion	
		Manufacturer	DELPHI	
		Ratios	Gear	N.A.
		Overall	19.1	
	No. wheel turns (stop to stop)	3.7		
Power	Type (coaxial, elec. hyd., etc.)		Hyd.	
	Manufacturer		AMERICAN SHOWA, INC.	
	Gear	Type	RACK & PINION	
		Ratios	Gear	N.A.
		Overall	17.9	
	Pump (drive)		V-ribbed belt	
No. wheel turns (stop to stop)		3.5		
Linkage	Type		N.A.	
	Location (front or rear of wheels, other)		N.A.	
	Tie rods (one or two)		2	
Steering axis	Inclination at camber (deg.)		23.8	
	Bearings (type)	Upper	Ball bearing	
		Lower	Needle bearing	
		Thrust	N.A.	
Steering spindle/knuckle & joint type		Serrated shaft		

\* The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.  
 \*\* See Page 23.

<b>AAMA Specifications</b> <b>METRIC (U.S. Customary)</b>	Vehicle Line <b>CHEVROLET METRO (sedan)</b>		
	Model Year <b>1998</b>	Issued <b>Apr. 25, 1997</b>	Revised (#) <b>.</b>

Model Code/Description and/or Engine Code/Description		4 door sedan LY8		1.3 L L4 (79 CID) EFI
<b>Wheel Alignment</b>				
Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	3	
		Camber (deg.)	0.35	
		Toe-in outside track mm (in.)	2	
	Service reset*	Caster (deg.)	Not adjustable	
		Camber (deg.)	Not adjustable	
		Toe-in mm (in.)	Adjustable	
Periodic M.V. in spection	Caster (deg.)	3 +/- 2		
	Camber (deg.)	0.35 +/- 1		
	Toe-in mm (in.)	2 +/- 2mm		
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	0	
		Toe-in outside track mm (in.)	3 mm	
	Service reset*	Camber (deg.)	Not adjustable	
		Toe-in mm (in.)	Adjustable	
	Periodic M.V. inspection	Camber (deg.)	0 +/- 1	
		Toe-in mm (in.)	1 - 5mm	
* Indicates pre-set, adjustable, trend set or other.				
<b>Electrical - Instruments and Equipment</b>				
Speedometer	Type (analog, digital, std., opt.)	Analog		
	Trip odometer (std., opt., n.a.)	Std.		
Head-up display	Standard, optional, not available		N.A.	
	Type	Secondary, opto-electronic	N.A.	
	Speedometer	Digital	N.A.	
	Status/warning indicators	Turn signals, high beam, low fuel, check gauges	N.A.	
	Brightness control	Day / night mode, adjustable	N.A.	
EGR maintenance indicator		N.A.		
Charge indicator	Type	Telltale warning light		
	Warning device (light, audible)	Light		
Temperature indicator	Type	Analog gauge with pointer		
	Warning device (light, audible)	N.A.		
Oil pressure indicator	Type	Telltale warning light		
	Warning device (light, audible)	Light		
Fuel indicator	Type	Analog gauge with pointer		
	Warning device (light, audible)	N.A.		
Windshield wiper	Type (standard)	Electric 2 speed +Intermittent		
	Type (optional)	N.A.		
	Blade length	Left: 500 mm Right: 475 mm		
	Swept area cm <sup>2</sup> (in. <sup>2</sup> )	6567 (1050)		
Windshield washer	Type (standard)	Electric, Lever control : Pull combination switch lever		
	Type (optional)	N.A.		
	Fluid level indicator (light, audible)	N.A.		
Rear window wiper, wiper/washer (std., opt., n.a.)		None		
Horn	Type	Electric Resonator		
	Number used	1		
Other		Service & parking brake failure warning light, seat belt warning light and buzzer, headlamp high beam indicating light, check engine indicating light, turn signal indicating light, Shift-up indicator (M/T only)		

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**AAMA Specifications**

**METRIC (U.S. Customary)**

Model Year	1998	Issued	Apr. 25, 1997	Revised (®)	
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<b>Engine Code/Description</b>		LY8	1.3 L L4 (79 CID)	EFI	
<b>Electrical - Supply System</b>					
<b>Battery</b>	Manufacturer		DELCO REMY		
	Model, std., (opt.)		GP26-50S		
	Voltage		12V		
	Amps at 0_ F. cold crank		390 Amp		
	Minutes-reserve capacity		71 min.		
	Amps/hrs.-20 hr. rate		45 AH		
Location		Left			
<b>Alternator</b>	Manufacturer		MITSUBISHI ELECTRIC		
	Rating (idle/max. rpm)		55A(2500rpm)		
	Ratio (alt. crank/rev.)		2.36 : 1		
	Output at idle (rpm, park)				
Optional (type & rating)		None			
<b>Regulator</b>	Type	Integral with alternator			
<b>Electrical - Starting System</b>					
<b>Motor</b>	Manufacturer		MITSUBISHI ELECTRIC		
	Current drain _____ C (F)		200 A max		
	Power rating kw (hp)		MT : 0.9, AT : 1.2		
<b>Motor drive</b>	Engagement type		MT : Positive shift solenoid, AT : Reduction		
	Pinion engages from (front, rear)		Front		
<b>Electrical - Ignition System</b>					
<b>Type</b>	Electronic (std., opt., n.a.)		Electronic Spark advance, Std.		
	Other (specify)		High energy ignition		
<b>Coil</b>	Manufacturer		DIAMOND ELECTRIC MANUFACTURING CORPORATION		
	Model		33400-50G0		
	Current	Engine stopped - A		0	
		Engine idling - A		1.5 A max.	
<b>Spark plug</b>	Manufacturer & Model		NGK	BKR6E-11	
			DENSO	K20PR-U11	
			N.A	N.A	
	Thread (mm)		M14 x 1.25		
	Tightening torque N-m (lb. ft.)		20-30 (15-22)		
	Gap		1.1 mm (0.039in.)		
Number per cylinder		1			
<b>Distributor</b>	Manufacturer		N.A.		
	Model		N.A.		
Ignition Timing (Neutral)		5 BTDC			
<b>Electrical - Suppression</b>					
Locations & type		Spark plug with resistor, High tension cord with resistor			

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**AAMA Specifications**

MODEL YEAR METRIC (U.S. CUSTOMARY)

**METRIC (U.S. Customary)**

Model Year	1998	Issued	Apr. 25, 1997	Revised (*)	-
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<b>Model Code/Description</b>		4 door sedan	
<b>Body</b>			
<b>Structure</b>		Unitized frame	
<b>Bumper system front - rear</b>		Front: Polypropylene fascia and Glass-fiber reinforced energy absorbing polypropylene beam Rear: Same as Front	
<b>Anti-corrosion treatment</b>		1. Use of surface treated steel plates in major body components. 2. Application of vinyl chloride coating to floor bottom surface and side sill outer surface. 3. Application of corrosion protection oil to side sill inner surface.	
<b>Body - Miscellaneous information</b>			
<b>Type of finish (lacquer, enamel, other)</b>		Enamel	
<b>Hood</b>	<b>Material &amp; mass</b>	Steel, 10.7 (23.6)	
	<b>Hinge location (front, rear)</b>	Rear	
	<b>Type (counterbalance, prop)</b>	Prop	
	<b>Release control (internal, external)</b>	internal & external	
<b>Trunk lid</b>	<b>Material &amp; mass</b>	Steel, 9.6	
	<b>Type (counterbalance, other)</b>	Torsion bars	
	<b>Internal release control (elec., mech., n.a.)</b>	Base: N.A. UP grade: Mech.	
<b>Hatchback lid</b>	<b>Material &amp; mass</b>	N.A.	
	<b>Type (counterbalance, other)</b>	N.A.	
	<b>Internal release control (elec., mech., n.a.)</b>	N.A.	
<b>Tailgate</b>	<b>Material &amp; mass</b>	N.A.	
	<b>Type (drop, lift, door)</b>	N.A.	
	<b>Internal release control (elec., mech., n.a.)</b>	N.A.	
<b>Vent window control (crank, friction, pivot, power)</b>	<b>Front</b>	N.A.	
	<b>Rear</b>	N.A.	
<b>Window regulator type (cable, tape, flex drive, etc.)</b>	<b>Front</b>	X arm	
	<b>Rear</b>	Cable	
<b>Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)</b>	<b>Front</b>	Bucket type, Steel pipe frame, Urethane mold	
	<b>Rear</b>	Bench type, Steel wire frame, Urethane mold	
	<b>3rd seat</b>	N.A.	
<b>Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc.)</b>	<b>Front</b>	Bucket type, Steel pipe frame, Urethane mold	
	<b>Rear</b>	Bench, 50/50 type, Steel pipe frame, Urethane mold	
	<b>3rd seat</b>	N.A.	
<b>Frame</b>			
<b>Type and description (separate frame, unitized frame, partially-unitized frame)</b>		Unitized frame	

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# AAMA Specifications

VEHICLE LINE CHEVROLET METRO (sedan)

METRIC (U.S. Customary)

Model Year 1998 Issued Apr. 25, 1997 Revised (#) -

Model Code/Description		4 door sedan			
Restraint System					
Seating Position					
			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.) Standard / Optional	First seat	Lap and shoulder belt, ELR	N.A.	Lap and shoulder belt, ALR + ELR
		Second seat	Lap and shoulder belt, ALR + ELR	N.A.	Lap and shoulder belt, ALR + ELR
		Third seat	N.A.	N.A.	N.A.
Passive	Type & description (air bag, motorized-2-point belt, fixed belt, knee bolster, manual-lap belt) Standard / Optional	First seat	Air Bag	N.A.	Air Bag
		Second seat	N.A.	N.A.	N.A.
		Third seat	N.A.	N.A.	N.A.

Glass	SAE Ref.No.	
Windshield glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> )	S1	8759 cm <sup>2</sup> (1358 in. <sup>2</sup> )
Side glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> ) - total 2 sides	S2	11248 cm <sup>2</sup> (1743 in. <sup>2</sup> )
Backlight glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> )	S3	5289 cm <sup>2</sup> (820 in. <sup>2</sup> )
Total glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> )	S4	25296 cm <sup>2</sup> (3921 in. <sup>2</sup> )
Windshield glass (type/thickness)		Laminated glass 4.76 (0.19)
Side glass (type/thickness)		Tempered glass 3.5 (0.14)
Backlight glass (type/thickness)		Tempered glass 3.5 (0.14)
Tinted (yes/no, location)		Yes (Windshield glass, Side glass, Backlight glass)
Solar control (yes/no, coated/batched, location)		NO
Headlamps		
Description (sealed beam, halogen, replaceable bulb, etc.)		Halogen, Replaceable bulb
Shape		Composite
Lo-beam type (2A1, 2B1, 2C1, etc.)		H85
Quantity		2
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)		H85
Quantity		2

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<b>AAMA Specifications</b>	Vehicle Line CHEVROLET METRO (sedan)		
	METRIC (U.S. Customary)	Model Year 1998	Issued Apr. 25, 1997

Engine Code/Description	LY8	1.3 L L4 (79 CID) EFI
<b>Climate Control System</b>		
Air conditioning (std., opt., man., auto.)	Optional, Manual control	
Condenser	Type	Corrugated fin type
	Eff. face area (sq. mm.)	164,000
	Fins per inch	16.4
Evaporator	Type	Single tank laminate
	Eff. face area (sq. mm.)	44120
	Fins per inch	14.5
Heater core	Material	Copper
	Eff. face area (sq. mm.)	24,990
	Fins per inch	29
Compressor	Type	Wobble
	Displacement (cc.)	99.8
	Manufacturer	SANDEN CORPORATION
	A/C pulley ratio	1.4
Accumulator	Type	N.A.
	Height (mm.)	N.A.
	Diameter (mm.)	N.A.
Receiver	Type	Dryer, Safety device
	Height (mm.)	167
	Diameter (mm.)	60
Refrigerant control (CCOT, TVS, etc.)	Thermostatic expansion valve	
Heater water valve (yes / no)	No	
Refrigerant (R - 12, R - 134a, etc.)	HFC - 134a	
Charge level (lbs. - oz.)	1.21 lbs	
Cold engine lockout switch (yes / no)	No	
Wide open throttle cutout switch (yes / no)	Yes	



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<b>AAMA Specifications</b>	Vehicle Line			CHEVROLET METRO (sedan)
	METRIC (U.S. Customary)	Model Year	1998	Issued Apr. 25, 1997

Model Code/Description		4 door sedan
Convenience Equipment (standard, optional, n.a.)		
Clock (digital, analog)		Digital (Integrated with radio) , optional
Compass / thermometer		N.A.
Console (floor, overhead)		Floor, Std.
Defroster, electric windshield		N.A.
Defroster, electric backlight		Opt.
Electronic	Diagnostic monitor (integrated, individual)	N.A.
	Instrument cluster (list instruments)	N.A.
	Keyless entry	N.A.
	Tripminder (avg. spd., fuel)	N.A.
	Voice alert (list items)	N.A.
	Other	None
Fuel door lock (remote, key, electric)		Non-Lock Door
Integrated Child Seating	Std./opt. & location in vehicle	N.A.
	Number of occupants	N.A.
	Occupant weight/height (min. & max.)	N.A.
	Restraint system description (3 or 5-point belts/booster seat capability)	N.A.
Lamps	Auto head on/off delay, dimming	N.A.
	Daytime Running Lamp	yes
	Cornering	N.A.
	Courtesy (map, reading)	N.A.
	Door lock, ignition	N.A.
	Engine compartment	N.A.
	Fog	N.A.
	Glove compartment	N.A.
	Trunk	OPTIONAL
	Illuminated entry system (list lamps, activation)	N.A.
Other	N.A.	
Mirrors	Day / night (auto., man.)	Manual, Std.
	L.H. (remote, power, heated)	select : Manual or Remote
	R.H. (convex, remote, power, heated)	Convex, select : Manual or Remote
	Visor vanity (RH / LH, illuminated)	N.A.
Navigation system (describe)		N.A.
Parking brake-auto release (warning light)		N.A.

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# AAMA Specifications

Vehicle Line CHEVROLET METRO (sedan)

METRIC (U.S. Customary)

Model Year 1998 Issued Apr. 25, 1997 Revised (●)

Model Code/Description		4 door sedan		
<b>Convenience Equipment (standard, optional, n.a.)</b>				
Power equipment	Deck lid (release, pull down)		N.A.	
	Door locks (manual, automatic, describe system)		Optional	
	Seats	2 - 4 - 6 way, etc.		N.A.
		Reclining (R.H., L.H.)		N.A.
		Memory (R.H., L.H., preset recline)		N.A.
		Support (lumbar, hip, thigh, etc.)		N.A.
		Heated (R.H., L.H., other)		N.A.
	Side windows		N.A.	
	Vent windows		N.A.	
	Rear windows		N.A.	
Other Power Equipments		N.A.		
Radio systems	Antenna (location, whip, w/shield, power)		Left-front pillar, Whip	
	Standard	N.A.		
	Optional	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.		
	Speaker (number, location)		Opt. 2, Front door Opt. 2, Rear parcel shelf	
Roof: open air or fixed (flip-up, sliding, "T")		N.A.		
Speed control device		N.A.		
Speed warning device (light, buzzer, etc.)		N.A.		
Tachometer (rpm)		Optional		
Telephone system (describe)		N.A.		
Theft deterrent system		Steering lock type		
<b>Trailer Towing</b>				
Towing capable	Yes / No	No		
Engine / transmission / axle	Std. / Opt.	N.A.		
Tow class (I, II, III)*	Std. / Opt.	N.A.		
Max. gross trailer wgt. (lbs.)	Std / Opt.	N.A.		
Max. trailer tongue load (lbs.)	Std. / Opt.	N.A.		
Towing package available	Yes / No	No		

\* Class I - 2,000 lbs. Class II - 3,500 lbs. Class III - 5,000 lbs.

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221-2211

# AAMA Specifications

Vehicle Line CHEVROLET METRO (sedan)

METRIC (U.S. Customary)

Model Year	1998	Issued	Apr. 25, 1997	Revised (*)	-
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Model Code/Description	4 door sedan
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## Vehicle Dimensions See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each vehicle line. SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100 "Motor Vehicle Dimensions," unless otherwise specified.

### Model Code/Description

	SAE Ref. No.	
<b>Width</b>		
Tread (front)	W101	1385 (54.5)
Tread (rear)	W102	1360 (53.5)
Vehicle width	W103	1590 (62.6)
Body width at SgRP (front)	W117	1570 (61.8)
Vehicle width (front doors open)	W120	3223 (126.9)
Vehicle width (rear doors open)	W121	3234 (127.3)
Tumble-home (degrees)	W122	24.6
Outside mirror width	W410	1804 (71.0)
<b>Length</b>		
Wheelbase	L101	2365 (93.1)
Vehicle length	L103	4165 (164.0)
Overhang (front)	L104	823 (32.4)
Overhang (rear)	L105	975 (38.4)
Upper structure length	L123	2603 (102.5)
Rear Wheel C/L "X" coordinate	L127	2910 (114.6)
<b>Height **</b>		
Passenger distribution (front/rear)	PD1 2,3	2/2 **
Trunk/cargo load		**
Vehicle height	H101	1407 (55.4)
Cowl point to ground	H114	907 (35.7)
Deck point to ground	H138	1042 (41.0)
Rocker panel-front to ground	H112	219 (8.6)
Rocker panel-rear to ground	H111	238 (9.4)
Windshield slope angle (degrees)	H122	63
Backlight slope angle (degrees)	H121	58
<b>Ground Clearance **</b>		
Front bumper to ground	H102	202(8.0)
Rear bumper to ground	H104	247(9.7)
Bumper to ground front at curb mass (wt.)	H103	219(8.6)
Bumper to ground rear at curb mass (wt.)	H105	269(10.6)
Angle of approach (degrees)	H106	18.5
Angle of departure (degrees)	H107	18.6
Ramp breakover angle (degrees)	H147	19
Axle differential to ground (front/rear)	H153	180
Min. running ground clearance	H156	160 (6.3)
Location of min. running ground clear.		Catalyst case

\*\* All Vehicle Height And Ground Clearance Are Made Using EPA Loaded Vehicle Weight, Loading Conditions. EPA loaded vehicle weight is the base vehicle weight plus all coolant and fluids necessary for operation plus 100% of the fuel capacity, plus the weight of all options and accessories which weigh three pounds or more and which are sold on at least 33% of the car line, plus two occupants.

All linear dimensions are in millimeters (inches) unless otherwise noted.

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**AAMA Specifications**

**METRIC (U.S. Customary)**

Model Year	1998	Issued	Apr. 25, 1997	Revised (#)	-
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**Vehicle Dimensions** See Key Sheets for definitions

Model Code/Description	4 door sedan	
<b>Front Compartment</b>	<b>SAE Ref. No.</b>	
SgRP front, "X" coordinate	L31	1850 (72.83)
Effective head room	H81	999 (39.3)
Max. effective leg room (accelerator)	L34	1079(42.5)
SgRP to heel point	H30	240 (9.45)
SgRP to heel point	L53	882 (34.7)
Back angle (degrees)	L40	25
Hip angle (degrees)	L42	97 30'
Knee angle (degrees)	L44	129
Foot angle (degrees)	L48	87
Design H-point front travel	L17	210 (8.27)
Normal driving & riding seat track trvl.	L23	210 (8.27)
Shoulder room	W3	1245 (49.0)
Hip room	W5	1205 (47.4)
Upper body opening to ground	H50	1250 (49.2)
Steering wheel maximum diameter*	W9	385
Steering wheel angle (degrees)	H18	23 46'
Accel. heel pt. to steer. whl. cntr.	L11	465
Accel. heel pt. to steer. whl. cntr.	H17	631
Undepressed floor covering thickness	H87	30 (1.2)
<b>Rear Compartment</b>		
SgRP point couple distance	L50	735 (28.9)
Effective head room	H83	948(37.3)
Min. effective leg room	L51	819(32.2)
SgRP (second to heel)	H31	281 (11.1)
Knee clearance	L48	-23 (-0.9)
Shoulder room	W4	1227(48.3)
Hip room	W6	1090(42.9)
Upper body opening to ground	H51	1261 (49.6)
Back angle (degrees)	L41	25
Hip angle (degrees)	L43	80.8
Knee angle (degrees)	L45	76.2
Foot angle (degrees)	L47	117.8
Depressed floor covering thickness	H73	20 (0.78)

Usable luggage capacity L (cu. ft.)	V1	292 (10.3)
Liftover height	H195	712 (28.0)
<b>Interior Volumes (EPA Classification)</b>		
Vehicle class		subcompact
Interior volume index including trunk/cargo (cu. ft.)**		2581 (90.4)
Front Seat Volume + Rear Seat Volume		2269 (80.1)
Trunk/cargo index (cu. ft.)		292 (10.3)

\* See page 14.

\*\* See definition page 33.

All linear dimensions are in millimeters (inches) unless otherwise noted.

\*\*\* EPA Loaded Vehicle Weight, Loading Conditions

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# AAMA Specifications

Vehicle Line CHEVROLET METRO (sedan)

METRIC (U.S. Customary)

Model Year	1998	Issued	Apr. 25, 1997	Revised (®)	-
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## Vehicle Dimensions See Key Sheets for definitions

Model Code/Description	4 door sedan	
<b>Station Wagon/MPV* -Third Seat</b>	SAE Ref. No.	
Seat facing direction	SD1	N.A.
SgRP couple distance	L85	N.A.
Shoulder room	W85	N.A.
Hip room	W86	N.A.
Effective leg room	L86	N.A.
Effective head room	H86	N.A.
SgRP to heel point	H87	N.A.
Knee clearance	L87	N.A.
Back angle (degrees)	L88	N.A.
Hip angle (degrees)	L89	N.A.
Knee angle (degrees)	L90	N.A.
Foot angle (degrees)	L91	N.A.
<b>Station Wagon/MPV* - Cargo Space</b>		
Cargo length (open front)	L200	N.A.
Cargo length (open second)	L201	N.A.
Cargo length (closed front)	L202	N.A.
Cargo length (closed second)	L203	N.A.
Cargo length at belt (front)	L204	N.A.
Cargo length at belt (second)	L205	N.A.
Cargo width (wheelhouse)	W201	N.A.
Rear opening width at floor	W203	N.A.
Opening width at belt	W204	N.A.
Min. rear opening width above belt	W205	N.A.
Cargo height	H201	N.A.
Rear opening height	H202	N.A.
Tailgate to ground height	H250	N.A.
Front seat back to load floor height	H197	N.A.
Cargo volume index m <sup>3</sup> (ft. <sup>3</sup> )	V2	N.A.
Hidden cargo volume index m <sup>3</sup> (ft. <sup>3</sup> )	V4	N.A.
Cargo volume index-rear of 2-seat	V10	N.A.
Cargo volume index*	V8	N.A.
Cargo width at floor*	W500	N.A.
Maximum cargo height*	H505	N.A.
<b>Hatchback - Cargo Space</b>		
Cargo length at front seatback height	L208	N.A.
Cargo length at floor (front)	L209	N.A.
Cargo length at second seatback height	L210	N.A.
Cargo length at floor (second)	L211	N.A.
Front seatback to load floor height	H197	N.A.
Second seatback to load floor height	H198	N.A.
Cargo volume index m <sup>3</sup> (ft. <sup>3</sup> )	V3	N.A.
Hidden cargo volume index m <sup>3</sup> (ft. <sup>3</sup> )	V4	N.A.
Cargo volume index - rear of 2-seat	V11	N.A.

All linear dimensions are in millimeters (inches) unless otherwise noted.

\* MPV - Multipurpose Vehicle

\*\* EPA Loaded Vehicle Weight, Loading Conditions

**AAMA Specifications**

Vehicle Line CHEVROLET METRO (sedan)

METRIC (U.S. Customary)

Model Year	1998	Issued	Apr. 25, 1997	Revised (#)	-
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Model Code/Description		4 door sedan	
Vehicle Fiducial Marks			
Fiducial Mark Number*		Define Coordinate Location	
Front(1)		<p>Front suspension strut upper center</p>	
Front(2)			
Rear(1)		<p>Burring hole center of rear floor side member at rear most bottom</p>	
Rear(2)			
NOTE: Provide 3 of 4 Fiducial Mark Locations			
Front	W21**	512 mm (20.2 in)	
	L54**	569 mm (22.4 in)	
	H81**	525 mm (20.7 in)	
	H161**	775 mm (30.51 in.)	
	H163**	757 mm (29.80 in.)	
Rear	W22**	463 mm (18.2 in)	
	L55**	3625 mm (142.7 in)	
	H82**	159 mm (6.3 in)	
	H162**	448 mm (17.64 in.)	
	H164**	426 mm (16.77 in.)	

\* Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks.  
 \*\* Reference - SAE Recommended Practice J1100 - Motor Vehicle Dimensions.  
 \*\*\* EPA Loaded Vehicle Weight, Loading Conditions  
 All linear dimensions are in millimeters (Inches) unless otherwise noted.

SAE J1100  
 10-1997  
 10-1997

<b>AAMA Specifications</b>	Vehicle Line CHEVROLET METRO (sedan)		
	Model Year 1998	Issued April 25, 1997	Revised (●)

**METRIC (U.S. Customary)**

Model	VEHICLE MASS (WEIGHT)					% PASS MASS DISTRIBUTION			
	CURB MASS, kg. (lb.)*			Shipping Mass kg (lb)***	ETW	Pass in Front		Pass in Rear	
	Front	Rear	Total			Front	Rear	Front	Rear
1.3L LSi (M/T) BDD	(kg) (lbs)	535 (1179)	365 (805)	900 (1984)	875 (1929)	2375			
1.3L LSi (A/T) BRD	(kg) (lbs)	550 (1213)	375 (827)	925 (2040)	900 (1984)	2375			

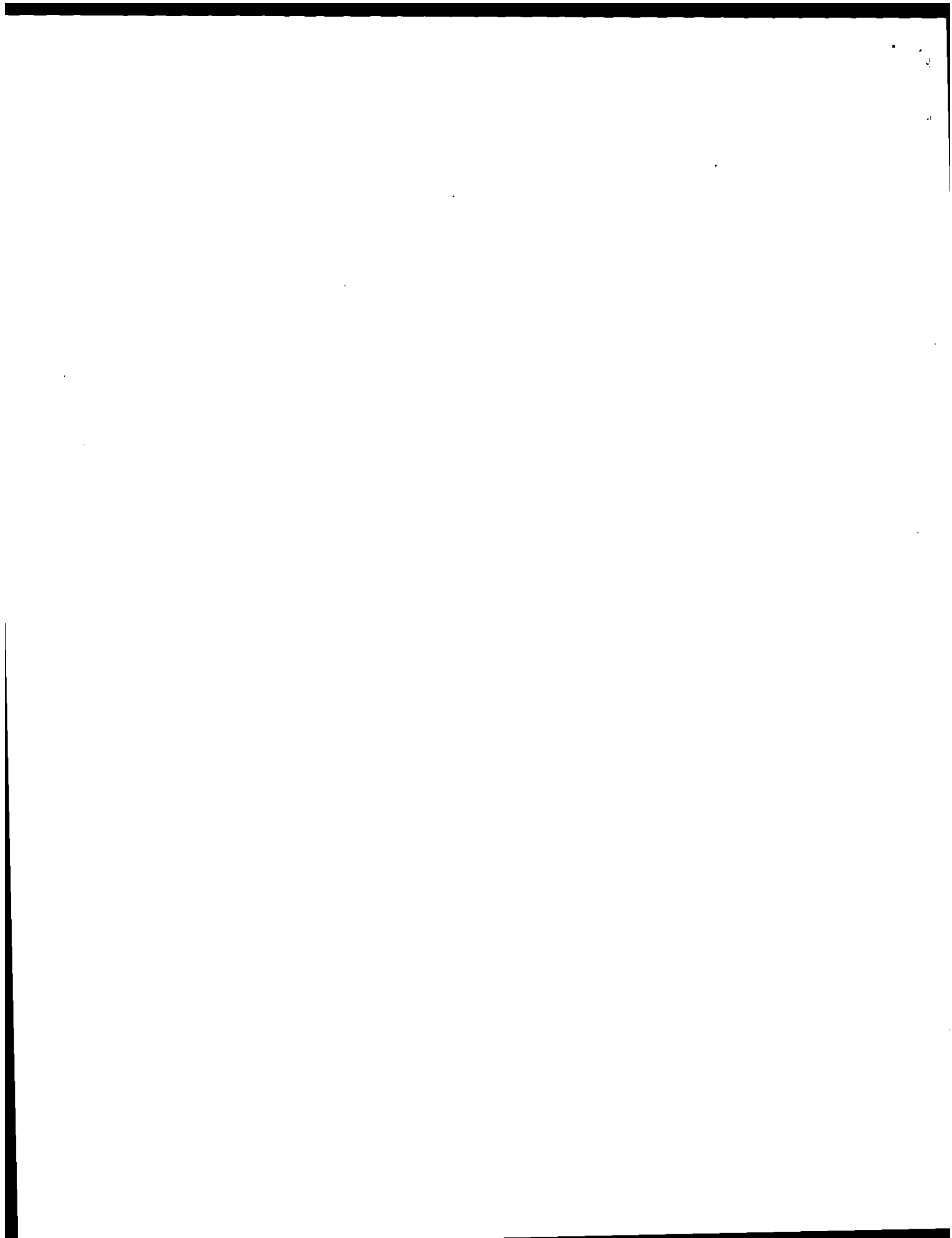
\* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.  
 \*\* ETWC - Equivalent Test Weight Class - basis for U.S. Environmental Protection Agency emission certifications.  
 Refer to ETWC code legend below for test weight class.

Curb Wt. includes following item(s):  
 Air conditioner- Yes  
 Power steering- Yes  
 Antilock Brake System- No  
 Fuel Tank Capacity 39 (Liter)

ETWC LEGEND			
A = 1000	I = 2000	Q = 3000	Y = 4000
B = 1125	J = 2125	R = 3125	Z = 4250
C = 1250	K = 2250	S = 3250	AA = 4500
D = 1375	L = 2375	T = 3375	BB = 4750
E = 1500	M = 2500	U = 3500	CC = 5000
F = 1625	N = 2625	V = 3625	DD = 5250
G = 1750	O = 2750	W = 3750	EE = 5500
H = 1875	P = 2875	X = 3875	FF = 5750

\*\*\* Shipping Mass (weight) = Curb Weight Less.  
 33.5 gasoline 25  
 (Liter) weight (kg)





# MOTOR VEHICLE MANUFACTURERS SPECIFICATIONS

METRIC (U.S. Customary)

## 1998

<b>Manufacturer</b> SUZUKI MOTOR CORPORATION	<b>Vehicle Line</b> CHEVROLET METRO (hatchback)	
<b>Mailing Address</b> GENERAL MOTORS CORPORATION CHEVROLET CENTRAL OFFICE 30007 VAN DYKE WARREN, MI 48090-9065	<b>Issued</b> Apr. 25, 1997	<b>Revised</b> -

Direct questions concerning these specifications to the manufacturer listed above.

The information contained herein is prepared, distributed by, and is solely the responsibility of the vehicle manufacturing company to whose products it relates. This specification form was developed by the vehicle manufacturing companies under the auspices of the American Automobile Manufacturers Association.

The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.

## AAMA

American Automobile Manufacturers Association

Blank Forms Provided by Technical Affairs Division

FORM AAMA-98

1

<b>AAMA Specifications</b> METRIC (U.S. Customary)	Vehicle Line CHEVROLET METRO (hatchback)		
	Model Year 1998	Issued Apr. 25, 1997	Revised (e)

<b>Vehicle Origin</b>	
Design & development (company)	SUZUKI MOTOR CORPORATION (Japan)
Where built (country)	Canada
Authorized U.S. sales marketing representative	CHEVROLET

<b>Vehicle Models</b>				
Model Description & Drive (FWD / RWD / AWD / 4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front / Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)
Metro 1.0/1.3L 2 Door Hatchback (FWD)	Late in July, 1997	1MR08	2/2	40 kg (88 lbs)
Firefly 1.0/1.3L 2 Door Hatchback (FWD)	Late in July, 1997	7MR08	2/2	40 kg (88 lbs)

EPA Fuel Economy Estimate (City/Hwy)	1.0L: M/T:44/49 1.3L: M/T:39/43, A/T:30/34
--------------------------------------	-----------------------------------------------

Gross Vehicle Weight Rating kg (lbs)	Gross Axle Weight Rating kg (lbs)	Gross Axle Weight Rating kg (lbs)
1.0 L 1,175 (2,590)	635 (1,400)	560 (1,235)
1.3 L 1,190 (2,624)	650 (1,433)	560 (1,235)

\* FWD - Front Wheel Drive RWD - Rear Wheel Drive AWD - All Wheel Drive 4WD - Four Wheel Drive

**AAMA Specifications**  
**METRIC (U.S. Customary)**

VEHICLE LINE CHEVROLET METRO (1992-1997)

Model Year	1998	Issued	Apr. 25, 1997	Revised (®)	
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**Power Teams**

SAE J1349 Net bhp (brake horsepower) and Net Torque corrected to 77\_F/25\_C and 29.61 in. Hg/100 kPa atmospheric pressure.

		A	B	C	D	
<b>E N G I N E</b>	Engine Code	LP2	LY8	LY8		
	Displacement Liters (in. <sup>3</sup> )	1.0 (61)	1.3 (79)	1.3 (79)		
	Induction system (FI, Carb, etc.)	TBI	SFI	SFI		
	Compression ratio	9.5:1	9.5:1	9.5:1		
	SAE Net at RPM	Power kW (bhp)	41(55)@5,700	59(79)@6,000	59(79)@6,000	
		Torque N • m (lb. ft.)	79(58)@3,300	101(75)@3,000	101(75)@3,000	
	Exhaust single, dual	Single	Single	Single		
<b>T R A N S</b>	Transmission/ Transaxle	Manual 5 speed	Automatic 3 speed	Manual 5 speed		
	Effective Final Drive / Axle Ratio (std. first)	4.388	3.684x 0.980	3.789		

Model	Series Availability Code	Power Teams (A - B - C - D)	
		Standard	Optional
METRO 2-door Hatchback (M/T)	1MR08	A	
METRO 2-door Hatchback (A/T)	1MR08	B	
METRO 2-door Hatchback (M/T)	1MR08	C	
FIREFLY 2-door Hatchback(M/T)	7MR08	A	
FIREFLY 2-door Hatchback (A/T)	7MR08	B	
FIREFLY 2-door Hatchback(M/T)	7MR08	C	

# AAMA Specifications

## METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (hatchback)

Model  
Year

1998

Issued

Apr. 25, 1997

Revised (®)

Engine Description		1.0 L L3 (61 CID) / 1.3 L L4 (79 CID) EFI
Engine Code		LP2 / LY8
<b>Engine - General</b>		
Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		Inline, Front Transverse SOHC 1.0L: Multi Spherical 1.3L: Pentroof
Manufacturer		SUZUKI MOTOR CORPORATION
No. of cylinders		1.0L: 3, 1.3L: 4
Bore		74 mm (2.91 in)
Stroke		1.0L: 77 mm (3.03 in), 1.3L: 75.5 mm (2.97 in)
Piston Displacement		1.0L: 993 cc, 1.3L: 1298 cc
Bore Spacing (C / L to C / L)		84 mm (3.31 in)
Cylinder block material & mass kg. (lbs.) (machined)		Aluminum Alloy, 1.0L: 11.85 (26.12), 1.3L: 14.08 (30.98)
Cylinder block deck height		186.8 mm (7.35 in)
Cylinder block length		1.0L: 288 mm (11.3 in), 1.3L: 372 mm (14.65 in)
Deck clearance (minimum) (above or below block)		1.0L: 0.4 mm (0.02 in) above, 1.3L: 0.2 mm (0.01 in) above
Cylinder head material & mass kg. (lbs.)		Aluminum Alloy, 1.0L: 5.12 (11.3), 1.3L: 7.83 (17.3)
Cylinder head volume cm <sup>3</sup> (inches <sup>3</sup> )		1.0L: 30.2 (1.84), 1.3L: 25.5 (1.56)
Cylinder liner material		Cast iron
Head gasket thickness (compressed)		1.2 (0.05)
Minimum combustion chamber total volume cm <sup>3</sup> (inches <sup>3</sup> )		1.0L: 38.96 cm <sup>3</sup> , 1.3L: 38.2 cm <sup>3</sup>
Cyl. no. system (front to rear)*		L Bank: 1.0L: 1-2-3, 1.3L: 1-2-3-4 R Bank: .....
Firing order		1.0L: 1-3-2, 1.3L: 1-3-4-2
Intake manifold material & mass kg. (lbs.)**		1.0L: Aluminum alloy 1.3L: Steel 1.0L: 1.7(3.7) 1.3L: 4.7 (10.3)
Exhaust manifold material & mass kg. (lbs.)**		1.0L: Cast iron 1.3L: Fed: Cast iron, Cal: Stainless steel 1.0L: Fed.: 3.3 (7.3), Cal: 2.6 (5.7), 1.3L: Fed.: 4.2 (9.3), Cal: 4.6 (10.1)
Knock sensor (number & location)		N.A.
Fuel required unleaded, diesel, etc.		Unleaded
Fuel antiknock index (R + M) / 2		87 or more
Engine Mounts	Quantity	3
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.)	1.0L: Elastomeric Rubber _ 1.3L: MT: Elastomeric Rubber AT: Elastomeric Rubber and Hydroelastic Elastomer
	Added isolation (sub-frame, crossmember, etc.)	None
Total dressed engine mass (w/ dry)***		1.0L: 57.0 kg (125.7 lbs) 1.3L: MT: 81.0 kg (178.6 lbs), AT: 78.0 kg (172.0 lbs)
<b>Engine - Pistons</b>		
Material & mass, g (weight, oz.) - piston only		Aluminum Alloy, 1.0L: 218 g (7.69oz), 1.3L: 214 g (7.55oz)
<b>Engine - Camshaft</b>		
Location		Cylinder Head
Material & mass kg (weight, lbs.)		Cast iron, 1.0L: 1.24 (2.73), 1.3L: 1.950 (4.30)
Drive type	Chain / belt	Belt
	Width / pitch	1.0L: 25.4 / 9.525 (1.00 / 0.38), 1.3L: 25.4 / 9.525 (1.00 / 0.38)

\* Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.

\*\* Finished state.

\*\*\* Dressed engine mass (weight) includes the following: All those items necessary to make the engine a complete ready-to-run unit.

<b>AAMA Specifications</b> <b>METRIC (U.S. Customary)</b>	Vehicle Line CHEVROLET METRO (hatchback)		
	Model Year	1998	Issued Apr. 25, 1997

Engine Description		1.0 L L3 (61 CID) / 1.3 L L4 (79 CID) EFI	
Engine Code		LP2 / LY8	
<b>Engine - Valve System</b>			
Hydraulic lifters (std., opt., n.a.)		1.0L: Standard 1.3L: N.A.	
Valves	Number intake / exhaust	1.0L: 3 / 3, 1.3L: 8 / 8	
	Head O.D. intake / exhaust	1.0L: 35 / 28 mm (1.38 / 1.10 in.), 1.3L: 29.2 / 25.0 mm (1.15 / 0.98 in.)	
<b>Engine - Connecting Rods</b>			
Material & mass kg., (weight, lbs.)*		Forged steel 0.37 (0.82)	
Length (axes C/L to C/L)		120 mm (4.72in)	
<b>Engine - Crankshaft</b>			
Material & mass kg., (weight, lbs.)*		Nodular cast iron 1.0L: 6.666 (14.696), 1.3L: 7.253 (15.99)	
End thrust taken by bearing (no.)		2	
Length & number of main bearings		1.0L: 18mm (0.71in) x 4 1.3L: 18mm (0.71in) x5	
Seal (material, one, two piece design, etc.)	Front	Rubber, 1 piece	
	Rear	Rubber, 1 piece	
<b>Engine - Lubrication System</b>			
Normal oil pressure kPa (psi) at engine rpm		392 (56.8) @4,000	
Type oil intake (floating, stationary)		Stationary	
Oil filter system (full flow, part, other)		Full flow	
Capacity of c/case, less filter-refill-L (qt.)		3.1 (3.3)	
Lubri- cant	Factory Fill	Viscosity (SAE No.)	5W-30
		Service Designation	SJ,GF-2
	User Recommended	Viscosity (SAE No.)	5W-30
		Service Designation	SJ,GF-2
<b>Engine - Diesel Information</b>			
Diesel engine manufacturer		N.A.	
Glow plug, current drain at 0_F.		N.A.	
Injector nozzle	Type	N.A.	
	Opening pressure kPa (psi)	N.A.	
Pre-chamber design		N.A.	
Fuel injection pump	Manufacturer	N.A.	
	Type	N.A.	
Fuel injection pump drive (belt, chain, gear)		N.A.	
Supplementary vacuum source (type)		N.A.	
Fuel heater (yes/no)		N.A.	
Water separator, description (std., opt.)		N.A.	
Turbo manufacturer		N.A.	
Oil cooler-type (oil to engine coolant, oil to ambient air)		N.A.	
Oil filter		N.A.	
<b>Engine - Intake System</b>			
Turbo charger - manufacturer		N.A.	
Super charger - manufacturer		N.A.	
Intercooler		N.A.	

\* Finished State

<b>AAMA Specifications</b> <b>METRIC (U.S. Customary)</b>	Vehicle Line <b>CHEVROLET METRO (hatchback)</b>		
	Model Year	1998	Issued <b>Apr. 25, 1997</b>

<b>Engine Description</b>		1.0 L L3 (61 CID) / 1.3 L L4 (79 CID) EFI
<b>Engine Code</b>		LP2 / LY8
<b>Engine - Cooling System</b>		
Coolant recovery system (std., opt., n.a.)		Std.
Coolant fill location (rad., bottle)		Bottle
Radiator cap relief valve pressure kPa (psi)		88.3 (12.8)
Circulation thermostat	Type (choke, bypass)	Bypass
	Starts to open at _C (_F)	88 (190)
Water pump	Type (centrifugal, other)	Centrifugal
	GMP 1000 pump rpm	4
	Number of pumps	1
	Drive (V-belt, other)	V-Ribbed Belt
	Bearing type	Ball
	Impeller material	Steel
Housing material		Aluminum alloy
By-pass recirculation type (inter., ext.)		Ext.
Cooling System capacity	With heater - L (qt.)	1.0L: 3.9 1.3L: MT:4.6, AT:4.7
	With air conditioner - L (qt.)	1.0L: 3.9 1.3L: MT:4.6, AT:4.7
	Opt. equipment specify - L (qt.)	N.A.
Water jackets full length of cyl. (yes, no)		Yes
Water all around cylinder (yes, no)		Yes
Water jackets open at head face (yes, no)		Yes
Radiator core	Std., A/C, HD	Std.
	Type (cross-flow, etc.)	Vertical Flow
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube
	Material, mass kg (wgt., lbs.)	Aluminum, 1.0L:1.4 1.3L: MT:1.4, AT:2.2
	Width	353.4 mm (13.9 in.)
	Height	349.2 mm (13.7 in.)
	Thickness	1.0L:16 mm (0.63 in.) 1.3L: MT:16 (0.63 in.), AT:27 mm (1.06 in.)
Fins per inch		10
Radiator end tank material		Plastics
Fan	Std., elec., opt.	Std., elec
	Number of blades & type (flex, solid, material)	5, Solid, Plastics
	Number & location (front, rear of radiator)	1, Rear
	Diameter & projected width	280 mm (11.02 in.)
	Ratio (fan to crankshaft rev.)	N.A.
	Fan output type	---
	Drive type (direct, remote)	Electric motor drive
	RPM at idle (elec.)	2100 rpm
	Motor rating (wattage/elec.)	80 W
	Motor switch (type & location/elec.)	controlled by ECU in instrument panel(ECU), on thermostat case(temp. sensor)
	Switch point (temp., pressure/elec.)	ON/OFF 98/93°C
Fan shroud (material)		plastic

**AAMA Specifications**  
**METRIC (U.S. Customary)**

Vehicle Line	CHEVROLET METRO (hatchback)		
Model Year	1998	Issued	Apr. 25, 1997
		Revised (#)	

Engine Description		1.0 L L3 (61 CID) / 1.3 L L4 (79 CID) EFI	
Engine Code		LP2 / LY8	
<b>Engine - Fuel System</b> (See Supplemental page for details of Fuel Injection, Supercharger, Turbocharger, etc. if used.)			
Induction type: carburetor, fuel injection system, etc.		Fuel Injection	
Manufacturer		DENSO	
Carburetor no. of barrels		N.A.	
Idle A/F mix.		Preset at manufacturer	
Fuel injection	Point of injection (no.)	1.0L: Throttle body (1)	1.3L: Intake Manifold(4)
	Constant, pulse, flow	Pulse	
	Control (electronic, mech.)	Electronic	
	System pressure kPa (psi)	1.0L: 177 (25.7)	1.3L: 284 (41)
Idle speed-rpm (spec. neutral or drive and propane if used)	Manual	1.0L: 850, 1.3L: 750	
	Automatic	750	
Intake manifold heat control (exhaust or water thermostatic or fixed)		1.3L: N.A., 1.0L: Water thermostatic	
Air cleaner type		Replaceable nonwoven fabric element, Single snorkel	
Fuel filter (type/location)		paper / fuel tank	
Fuel pump	Type (elec. or mech.)	Electric	
	Location (eng., tank)	Fuel Tank	
	Pressure range kPa (psi)	637 (93)	
	Flow rate at regulated pressure L (gal/hr) @ kPa (psi)	80@294 (21.1@43)	
<b>Fuel Tank</b>			
Capacity refill L (gallons)		39(10.3)	
Location (describe)		Under floor - Rear	
Attachment		Bolts	
Material & Mass kg. (weight lbs.)		Steel, 9.2 (20.3)	
Filter pipe	Location & material	Left side rear quarter panel, Steel	
	Connection to tank	Kevlar reinforced rubber hose	
Fuel line (material)		Steel	
Fuel hose (material)		Rubber & Nylon	
Return line (material)		Steel	
Vapor line (material)		Steel and Rubber	
Extended range tank	Opt. n.a.	N.A.	
	Capacity L (gallons)	N.A.	
	Location & material	N.A.	
	Attachment	N.A.	
Auxiliary tank	Opt. n.a.	N.A.	
	Capacity L (gallons)	N.A.	
	Location & material	N.A.	
	Attachment	N.A.	
	Selector switch or valve	N.A.	
Separate fill		N.A.	



**AAMA Specifications**

**METRIC (U.S. Customary)**

Model Year 1998 Issued Apr. 25, 1997 Revised (●)

<b>Engine Description</b>		1.0L L3 (61 CID) / 1.3L L4 (79 CID) EFI		
<b>Engine Code</b>		LP2 / LY8		
<b>Vehicle Emission Control</b>				
<b>Exhaust Emission Control</b>	Type (air injection, engine modifications, other)		1.0L: Fed:TBI/TWC/HO2S/EGR Cal: TBI/WU-TWC/TWC/HO2S/EGR, 1.3L: Fed:SFI/TWC/HO2S Cal: SFI/WU-TWC/TWC/HO2S	
	Air injection	Pump or pulse	N.A.	
		Driven by	N.A.	
		Air distribution (head, manifold, etc.)	N.A.	
		Point of entry	N.A.	
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	1.0L: Backpressure controlled 1.3L: N.A.	
		Exhaust source	Exhaust Manifold	
		Point of exhaust injection (spacer, carburetor, manifold, other)	Intake Manifold	
	Catalytic Converter	Type	Three way cat. 1.0L: Federal: JV4 California: JV6, 1.3L: Federal: JV8 California: JV9	
		Number of	1.0L: Fed:1 Cal:2, 1.3L: Fed:1 Cal:2	
		Locations(s)	Fed: Under floor Cal: Manifold & Under floor	
		Volume L (in. <sup>3</sup> )	1.0L: Fed:1.0L(62in. <sup>3</sup> ) Cal:1st-0.46L(28in. <sup>3</sup> ),2nd-1.0L(62in. <sup>3</sup> ), 1.3L: Fed:1.0L(62in. <sup>3</sup> ) Cal:1st-0.80L(49in. <sup>3</sup> ),2nd-1.0L(62in. <sup>3</sup> )	
		Substrate type	monolith62 cells / cm <sup>2</sup>	
		Noble metal type	JV4:Platinum&Rhodium JV6: Palladium&Rhodium,Platinum&Rhodium JV8 :Platinum&Palladium&Rhodium JV9:Platinum&Palladium&Rhodium,Platinum&Rhodium	
	Noble metal concentration (g/cm <sup>3</sup> )	Confidential		
<b>Crankcase Emission Control</b>	Type (ventilates to atmosphere, induction system, other)		Induction System (Positive Crankcase Ventilation System)	
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum	
	Discharges to (intake manifold, other)		1.0L: Intake Manifold 1.3L: Surge Tank	
	Air inlet (breather cap, other)		1.0L: Air cleaner 1.3L: Air cleaner outlethose	
<b>Evaporative Emission Control</b>	Vapor vented to (crankcase, canister, other)	Fuel Tank	Canister	
		Carburetor	N.A.	
	Vapor storage provision		Canister	
	Canister	Medium	Activated Carbon	
Absorption working Capacity		YB413:95 YB4A4:85		
	Volume	1.85		
<b>Electronic system</b>	Closed loop (yes/no)		Yes	
	Open loop (yes/no)		No	
California OBD-II System (yes/no)		Yes		
Evap-II System for Fed. spec. vehicle (yes/no)		yes		
Evap-II System for Cal. spec. vehicle (yes/no)		yes		
<b>Engine - Exhaust System</b>				
Type (single, single with cross-over, dual, other)		Single		
Muffler no. & type (reverse flow, straight thru, separate resonator), Muffler volume (liters), Material & Mass kg. (weight lbs.)		Muffler 1, Reverse Flow, 6		
Resonator no., type, & volume (liters)		1, straight thru. 1.5		
Exhaust pipe	Branch o.d., wall thickness		N.A.	
	Main o.d., wall thickness		φ 38.1 - 1.2 mm φ 41.3 - 1.2 mm	

	Material & Mass kg. (weight lbs.)	Inner : stainless steel, Outer : Aluminum coated steel
Intermediate pipe	o.d. & wall thickness	∅ 38.1-2.0mm
	Material & Mass kg. (weight lbs.)	Aluminum coated steel
Tail pipe	o.d. & wall thickness	∅ 38.1 - 1.2 mm
	Material & Mass kg. (weight lbs.)	Stainless steel

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**AAMA Specifications**

**METRIC (U.S. Customary)**

Model Year	1998	Issued	Apr. 25, 1997	Revised (®)
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<b>Engine Description</b>		1.0 L L3 (61 CID) / 1.3 L L4 (79 CID) EFI
<b>Engine Code</b>		LP2 / LY8
<b>Transmissions/Transaxle (Std., Opt., N.A.)</b>		
Manual 4-speed (manufacturer/country)		N.A.
Manual 5-speed (manufacturer/country)		SUZUKI MOTOR CORPORATION/Japan
Manual 6-speed (manufacturer/country)		N.A.
Automatic (manufacturer/country)		AJISIN SEIKI / JAPAN
Automatic overdrive (manufacturer/country)		N.A.
<b>Manual Transmission/Transaxle</b>		
Number of forward speeds		5
Gear ratios	1st	1.0L:3.416, 1.3L:3.583
	2nd	1.894
	3rd	1.28
	4th	0.914
	5th	0.757
	6th	N.A.
	Reverse	3.272
Synchronous meshing (specify gears)		All forward gears
Shift lever location		Floor mounted
Trans. case material & mass kg. (lbs.)*		Aluminum die-cast 28.2 (62.2)
Lubricant	Capacity L (pt.)	2.4 (5.1)
	Type recommended	Gear oil GL-4
<b>Clutch (Manual Transmission)</b>		
Clutch manufacturer		DAIKIN CLUTCH CORPORATION, DAIKIN MFG. CO. LTD.
Clutch type (dry, wet, single, multiple disc)		Dry, Single disc
Linkage (hydraulic, cable, rod, lever, other)		Cable
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	120
	Released	75
Assist (spring, power/percent, nominal)		None
Type pressure plate springs		Diaphragm spring
Total spring load (nominal) N (lbs.)		1.0L: 2795 N (628.8 lbs.), 1.3L: 3187 N (716.9 lbs.)
Clutch facing	Facing mfg. & material coding	ASK TECHNICA CORPORATION, JD-8
	Facing material & construction	Non-asbestos, Semimold
	Rivets per facing	1.0L:12, 1.3L:16
	Outside x inside dia. (nominal)	1.0L:170 x 110 (6.69 x 4.33), 1.3L: 190 x 132 (7.48 x 5.20)
	Total eff. area cm <sup>2</sup> (in. <sup>2</sup> )	1.0L: 132 (20.5), 1.3L: 147 (22.8)
	Thickness (pressure plate side/ty wheel side)	1.0L: 3.0 mm / 3.0 mm (0.12in / 0.12in), 1.3L:3.5 mm / 3.5 mm (0.14in / 0.14in)
	Rivet depth (pressure plate side/ty wheel side)	1.0L: Min. 1.0 mm / Min. 1.0 mm(0.04in/0.04in), 1.3L: Min. 1.3 mm / Min. 1.3 mm (0.05in/0.05in)
Engagement cushion method		Separate cushion type
Release bearing type & method lub.		Automatic center adjusting type with grease lubrication
Torsional damping method, springs, hysteresis		Spring type

\* Includes shift linkage, lubricant, and clutch housing. If other specify.

<b>AAMA Specifications</b> <b>METRIC (U.S. Customary)</b>	Vehicle Line CHEVROLET METRO (hatchback)		
	Model Year	1998	Issued Apr. 25, 1997

Engine Description		1.0 L L3 (61 CID) / 1.3 L L4 (79 CID) EFI	
Engine Code		LP2 / LY8	
<b>Automatic Transmission/Transaxle</b>			
Trade Name		3-speed automatic	
Type and special features (describe)		torque converter with planetary gears	
Shift mechanics		Electronic control	
Gear selector	Location (column, floor, other)	Floor Mounted	
	Ltr./No. designation (e.g. PRND21)	P-R-N-D-2-L	
	Shift interlock (yes, no, describe)	Yes	
Gear ratios	1st	2.81	
	2nd	1.549	
	3rd	1	
	4th	N.A.	
	5th	N.A.	
	6th	N.A.	
	Reverse	2.296	
	Final drive ratio	0.980 x 3.684	
Max. upshift vehicle speed - drive range km/h (mph)		1-2 : 66(41.0), 2-3 : 120(74.6)	
Max. upshift engine speed RPM		1-2:6370, 2-3:6380	
Max. lockdown speed - drive range km/h (mph)		2-1 : 60(37.3), 3-2 : 113(70.2)	
Min. overdrive speed km/h (mph)		N.A.	
Torque converter	Type	3 elements, 1 stage, 2 phases	
	Torus design	ROUND	
	Number of elements	3	
	Max. ratio at stall	2.34:1	
	Type of cooling (air, liquid)	Liquid	
	Nominal diameter	226 mm (8.90 in.)	
Capacity factor "K"	K : 265		
Pump type		Trochoid pump	
Lubricant	Capacity refill l. (pt.)	4.9 (10.4)	
	Type recommended	DEXRON III	
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Std, Integral with radiator	
Transmission mass kg (lbs.) & case material**		Aluminum die-cast, 51 (112)	
<b>All Wheel / 4 Wheel Drive</b>			
Description & type (part-time, full-time, 2/4 shift while moving, mechanical, elect., chain/gear, etc.)		N.A.	
Transfer case	Manufacturer and model	N.A.	
	Type and location	N.A.	
Transfer Lubricant	Capacity	Liter (Pt)	N.A.
	Factory Fill	Viscosity (SAE No.)	N.A.
		Service Designation	N.A.
	Users Recommended	Viscosity (SAE No.)	N.A.
		Service Designation	N.A.
	Low-range gear ratio		N.A.
System disconnect (describe)		N.A.	
Center differential	Type (bevel, planetary, w or w/o viscous bias, torson, etc.)	N.A.	
	Torque split (% front/rear)	N.A.	

\* Input speed =  $\sqrt{\text{torque}}$   
 \*\* Dry weight including torque converter. If other, specify.

METRIC (U.S. Customary)

Model Year	1998	Issued	Apr. 25, 1997	Revised (®)
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Engine Description / Code		1.0 L L3 (61 CID) / 1.3 L L4 (79 CID) EFI LP2 / LY8		
Transmission		5 Speed Manual and 3 Speed Automatic		
<b>Axle Ratio and Tooth Combinations</b> (See Power Teams' for axle ratio usage)				
Effective final drive ratio (or overall top gear ratio)		MT: 1.0L: 4.388, 1.3L: 3.789, AT: 3.610 (0.980 x 3.684)		
Transfer ratio and method (chain, gear, etc.)		N.A.		
Front drive unit	Ring gear o.d.		MT: 1.0L: 186.23 mm, 1.3L: 181.12 mm, AT: 185.83 mm	
	No. of teeth	Pinion	MT: 1.0L: 18, 1.3L: 19, AT: 51, 19	
		Ring gear	MT: 1.0L: 79, 1.3L: 72, AT: 50, 70	
<b>Front Drive Unit</b>				
Description (integral to trans., etc.)		Front differential with helical gears and ball bearing		
Limited slip differential (type)		N.A.		
Drive pinion	Type	Helical gear		
	Offset	N.A.		
No. of differential pinions		2		
Pinion/differential	Adjustment (shim, etc.)	Shim		
	Bearing adjustment	N.A.		
Driving wheel bearing (type)		Ball bearing		
Transmission	Capacity L (pt.)	MT: See Page 8, AT: See Page 9		
Lubricant	Type recommended	MT: See Page 8, AT: See Page 9		
Differential Lubricant	Capacity L (pt.)		N.A.	
	Factory Fill	Viscosity (SAE No.)	N.A.	
		Service Designation	N.A.	
	User Recommended	Viscosity (SAE No.)	N.A.	
		Service Designation	N.A.	
<b>Axle Shafts - Front Wheel Drive</b>				
Manufacturer and number used		NTN CORPORATION, 2		
Type (straight, solid bar, tubular, etc.)	Left	Solid bar		
	Right	1.0L: Solid bar, 1.3L: MT: Solid, AT: Tubular		
Outer diameter x length* x wall thickness	Manual Transaxle	Left	1.0L: 22 x 464.5 mm (0.87 x 18.29 in.), 1.3L: 22 x 393.5 mm (0.87 x 15.49 in.)	
		Right	1.0L: 22 x 554 mm (0.87 x 21.81 in.), 1.3L: 22 x 393.5 mm (0.87 x 15.49 in.)	
	Automatic transaxle	Left	22 x 348.5 mm (0.87 x 13.72 in.)	
		Right	31.8 x 669.5 x 3.8 mm (1.25 x 26.34 x 0.15 in.)	
	Optional transaxle	Left	N.A.	
		Right	N.A.	
Slip yoke	Type	N.A.		
	Number of teeth	N.A.		
	Splines o.d.	N.A.		
Universal joints	Make and mfg. no.	Inner	NTN CORPORATION	
		Outer	NTN CORPORATION	
	Number used	4		
	Type, size, plunge	Inner	1.0L: TJ75, 1.3L: MT: DOJ75, AT: TJ75	
		Outer	Rzeppa, BJ75	
	Attach (u-bolt, clamp, etc.)		Serration	
Bearing	Type (plain, antifriction)	Anti-friction		
	Lubrication (fitting, prepack)	Prepack		
Drive taken through (torque tube, arms or springs)		McPherson strut and Lower control arm		
Torque taken through (torque tube, arms or springs)		Engine mounting system		

\* Centerline to centerline of universal joints, or to centerline of attachment.

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# AAMA Specifications

Vehicle Line CHEVROLET METRO (N819106A)

METRIC (U.S. Customary)

Model Year	1998	Issued	Apr. 25, 1997	Revised (*)	-
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Model Code/Description and/or		2 door hatchback		
Engine Code/Description		LP2 / LY8	1.0 L L3 (61 CID) / 1.3 L L4 (79 CID) EFI	
<b>Suspension - General Including Electronic Controls</b>				
Car leveling	Standard/optional/not available		N.A.	
	Manual/automatic control		N.A.	
	Type (air/hydraulic)		N.A.	
	Primary/assist spring		N.A.	
	Rear only/4 wheel leveling		N.A.	
	Single/dual rate spring		N.A.	
	Single/dual ride heights		N.A.	
	Provision for jacking		N.A.	
Shock absorber damping controls	Standard/option/not available		N.A.	
	Manual/automatic control		N.A.	
	Number of damping rates		N.A.	
	Type of actuation (manual/electric motor/air, etc.)		N.A.	
	Sensors	Lateral acceleration		N.A.
		Deceleration		N.A.
Acceleration		N.A.		
Road surface		N.A.		
Shock absorber (front & rear)	Type	McPherson	McPherson, Double acting hydraulic	
	Make	AMERICAN SHOWA, INC.	AMERICAN SHOWA, INC.	
	Piston diameter	25	25	
	Rod diameter	18	18	
<b>Suspension - Front</b>				
Type and description		McPherson strut with coil spring		
Travel	Full jounce (define load condition)	84		
	Full rebound	41.5		
Spring	Type (coil, leaf, other & material)		Coil, Steel	
	Insulators (type & material)		Rubber	
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)		Coil: 1.0L: right 298 x 121, left 302.5 x 121, 1.3L: right 302.5 x 121, left 311.5 x 120.8	
	Spring rate N/mm (lb./in.)		21.6 (123.2)	
	Rate at wheel N/mm (lb./in.)		21.6 (123.2)	
	If Leaf, No. of leaves		N.A.	
Stabilizer	Type (link, linkless, frameless)		Link	
	Material & O.D. bar/tube, wall thickness		Steel bar, f 24 mm	
Track bar (type)		N.A.		
<b>Suspension - Rear</b>				
Type and description		McPherson strut, Separate coil spring		
Travel	Full jounce (define load condition)	63		
	Full rebound	26.5		
Spring	Type (coil, leaf, other & material)		Coil, Steel	
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)		271.5 X 95	
	Spring rate N/mm (lb./in.)		46.1 (262.9)	
	Rate at wheel N/mm (lb./in.)		17.7(100.4)	
	Insulators (type & material)		Rubber top only	
	If leaf	No. of leaves		N.A.
Shackle (comp. or lens.)		N.A.		
Stabilizer	Type (link, linkless, frameless)		Link	
	Material & O.D. bar/tube, wall thickness		Steel, φ 18 mm	



# AAMA Specifications

## METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (hatchback)

Model Year 1998 Issued Apr. 25, 1997 Revised (e)

Model Code/Description and/or Engine Code/Description 2 door hatchback LP2 / LY8 1.0 L L3 (61 CID) / 1.3 L L4 (79 CID) EFI

### Brakes - Service

Description		Power - assisted (front ventilated disc / rear drum)		
Manufacturer and brake type (std., opt., n.s.)	Front (disc or drum)	Tokico disc		
	Rear (disc or drum)	FINDLEX drum		
Valving type (proportion, delay, metering, other)		Proportion		
Power brake (std., opt., n.s.)		Std.		
Booster type (remote, integral, vac., hyd., etc.)		Vac.		
Vacuum	Source (intake, pump, etc.)	inline(intake manifold)		
	Reservoir (volume in. <sup>3</sup> )	N.A.		
	Pump-type(elec., gear or belt driven)	N.A.		
Traction assist	Operational speed range	N.A.		
	Type (engine or brake intervention)	N.A.		
Antilock device	Front/rear (std., opt., n.s.)	4 wheel		
	Manufacturer	DELPHI CHASSIS		
	Type (electronic, mech.)	electronic		
	Number sensors or circuits	4 sensors		
	Number antilock hydraulic circuits	3 circuits		
	Integral or add-on system	Add-on system		
	Yaw control (yes, no)	yes		
Hyd. power source (elec., vac., mtr., per., strg.)		Electronic		
Effective area cm <sup>2</sup> (in. <sup>2</sup> )*		140/172 (21.7/26.7)		
Gross Lining area cm <sup>2</sup> (in. <sup>2</sup> )** (F/R)		140/172 (21.7/26.7)		
Swept area cm <sup>2</sup> (in. <sup>2</sup> )*** (F/R)		902/282 (139.8/43.7)		
Rotor	Outer working diameter	F/R	229 (9.02) / -	
	Inner working diameter	F/R	154 (6.06) / -	
	Thickness	F/R	17 (0.67) / -	
	Material & type (vented/solid)	F/R	Cast iron, Vented	
Drum	Diameter & width	F/R	- /180 x 25 (- /7.09 x 0.98 in.)	
	Type and material	F/R	-/cast iron	
Wheel cylinder bore		48.1 / 15.8 (1.89 / 0.622 )		
Master cylinder	Bore/stroke	F/R	20.6 /29.5 (0.81 / 1.16)	
Pedal arc ratio		4.1:1		
Line pressure at 445 N (100 lb) pedal load [kPa (psi)]		9.6A-103		
Lining clearance		F/R	Self adjusting/Self adjusting	
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Bonded
		Rivet Size		N.A.
		Manufacturer		FERODO AUTOMOTIVE PRODUCTS
		Lining code ****		FA 005 FF
		Material		Non-asbestos, Resin mold including metal
		****	Primary or out-board	105 X 37.5 X 10 (4.13x1.48x0.39)
		****	Secondary or in-board	105 X 37.5 X 10 (4.13x1.48x0.39)
	Shoe thickness (no lining)		5 mm (0.20 in.)	
	Rear wheel	Bonded or riveted (rivets/seg.)		Bonded
		Manufacturer		FERODO AUTOMOTIVE PRODUCTS
		Lining code ****		FA 905 EE
		Material		Non-asbestos, Resin mold
		****	Primary or out-board	172.7x25x4.2 (6.80x0.98x0.17)
		****	Secondary or in-board	172.7x25x4.2 (6.80x0.98x0.17)
Shoe thickness (no lining)		1.6 (0.063)		

\* Excludes rivet holes, grooves, chamfers, etc.  
 \*\* Includes rivet holes, grooves, chamfers, etc.  
 \*\*\* Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.) (Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)  
 \*\*\*\* Size for drum brakes includes length x width x thickness.  
 \*\*\*\*\* Manufacturer I.D., catalog for formulation designation and coefficient of friction classification.



<b>AAMA Specifications</b> <b>METRIC (U.S. Customary)</b>	Vehicle Line <b>CHEVROLET METRO (hatchback)</b>		
	Model Year <b>1998</b>	Issued <b>Apr. 25, 1997</b>	Revised (●)

Model Code/Description and/or Engine Code/Description	2 door hatchback LP2 / LY8	1.0 L L3 (61 CID) / 1.3 L L4 (79 CID) EFI
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Tires And Wheels (Standard)			
Tires	Size (service description)	P155/80R13	
	Manufacturer	GOODYEAR	
	Type (bias, radial, steel, nylon, etc.)	Radial Four season tread design	
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	220(32)
		Rear kPa (psi)	220(32)
Rev./mile at 70 km/h (45 mph)	912		
Wheels	Type & material	Drop center, Steel	
	Rim (size & flange type)	13 x 4 1/2J	
	Wheel offset	45 mm	
	Attachment	Type (bolt or stud & nut)	Stud & nut
		Circle diameter	114.3 mm
Number & size		4-M12	
Spare	Tire and wheel	T115/70D14, 14 x 4T	
	Storage position & location (describe)	Flat under rear load floor	

Tires And Wheels (Optional)	
Tire size (service description)	N.A.
Type (bias, radial, steel, nylon, etc.)	N.A.
Wheel (type & material)	N.A.
Rim (size, flange type and offset)	N.A.
Tire size (service description)	N.A.
Type (bias, radial, steel, nylon, etc.)	N.A.
Wheel (type & material)	N.A.
Rim (size, flange type and offset)	N.A.
Tire size (service description)	N.A.
Type (bias, radial, steel, nylon, etc.)	N.A.
Wheel (type & material)	N.A.
Rim (size, flange type and offset)	N.A.
Tire size (service description)	N.A.
Type (bias, radial, steel, nylon, etc.)	N.A.
Wheel (type & material)	N.A.
Rim (size, flange type and offset)	N.A.
Spare tire and wheel size (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	N.A.

Brakes - Parking		
Type of control	Lever-hand operated	
Location of control	Between front seats	
Operates on	Rear service brakes	
If separate from service brakes	Type (internal or external)	N.A.
	Drum diameter	N.A.
	Lining size (length x width x thickness)	N.A.

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**STEERING SPECIFICATIONS**

**METRIC (U.S. Customary)**

Model Year	1998	Issued	Apr. 25, 1997	Revised (®)	-
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Model Code/Description and/or		2 door hatchback			
Engine Code/Description		LP2 / LY8		1.0 L L3 (61 CID) / 1.3 L L4 (79 CID) EFI	
<b>Steering</b>					
Manual (std., opt., n.a.)		Std.			
Power (std., opt., n.a.)		N.A.			
Speed-sensitive (std., opt., n.a.)		N.A.			
4-wheel steering (std., opt., n.a.)		N.A.			
Adjustable steering wheel/column (bit, telescope, other)	Type	N.A.			
	Manufacturer	N.A.			
	(std., opt., n.a.)	N.A.			
Wheel diameter** (W9) SAE J1100	Manual	385 (15.2)			
	Power	N.A.			
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	10.4 (34.1)		
		Curb to curb (l. & r.)	9.6 (31.5)		
	Inside rear	Wall to wall (l. & r.)	N.A.		
		Curb to curb (l. & r.)	N.A.		
Scrub Radius*		-1 mm			
Manual	Gear	Type	Rack and pinion		
		Manufacturer	DELPHI		
		Ratios	Gear	N.A.	
		Overall	19.1		
	No. wheel turns (stop to stop)	3.7			
Power	Type (coaxial, elec. hyd., etc.)		N.A.		
	Manufacturer		N.A.		
	Gear	Type	N.A.		
		Ratios	Gear	N.A.	
		Overall	N.A.		
	Pump (drive)		N.A.		
No. wheel turns (stop to stop)		N.A.			
Linkage	Type		N.A.		
	Location (front or rear of wheels, other)		N.A.		
	Tie rods (one or two)		2		
Steering axis	Inclination at camber (deg.)		23.8		
	Bearings (type)	Upper	Ball bearing		
		Lower	Needle bearing		
		Thrust	N.A.		
Steering spindle/knuckle & joint type		Serrated shaft			

\* The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.  
 \*\* See Page 23.

**AAMA Specifications**  
**METRIC (U.S. Customary)**

Vehicle Line CHEVROLET METRO (hatchback)

Model Year 1998 Issued Apr. 25, 1997 Revised (●)

Model Code/Description and/or Engine Code/Description		2 door hatchback LP2 / LY8 1.0 L L3 (61 CID) / 1.3 L L4 (79 CID) EFI	
<b>Wheel Alignment</b>			
Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	3
		Camber (deg.)	0.35
		Toe-in outside track mm (in.)	2
	Service reset*	Caster (deg.)	Not adjustable
		Camber (deg.)	Not adjustable
		Toe-in mm (in.)	Adjustable
Periodic M.V. in spection	Caster (deg.)	3 +/- 2	
	Camber (deg.)	0.35 +/- 1	
	Toe-in mm (in.)	2 +/- 2mm	
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	0
		Toe-in outside track mm (in.)	3 mm
	Service reset*	Camber (deg.)	Not adjustable
		Toe-in mm (in.)	Adjustable
	Periodic M.V. inspection	Camber (deg.)	0 +/- 1
		Toe-in mm (in.)	1 - 5 mm
* Indicates pre-set, adjustable, trend set or other.			
<b>Electrical - Instruments and Equipment</b>			
Speedometer	Type (analog, digital, std., opt.)		Analog
	Tnp odometer (std., opt., n.a.)		Std.
Head-up display	Standard, optional, not available		N.A.
	Type	Secondary, opto-electronic	N.A.
	Speedometer	Digital	N.A.
	Status/warning indicators	Turn signals, high beam, low fuel, check gauges	N.A.
	Brightness control	Day / night mode, adjustable	N.A.
EGR maintenance indicator			N.A.
Charge indicator	Type	Telltale warning light	
	Warning device (light, audible)		Light
Temperature indicator	Type	Analog gauge with pointer	
	Warning device (light, audible)		N.A.
Oil pressure indicator	Type	Telltale warning light	
	Warning device (light, audible)		Light
Fuel indicator	Type	Analog gauge with pointer	
	Warning device (light, audible)		N.A.
Windshield wiper	Type (standard)	Electric 2 speed (upper grade model: +intermittent)	
	Type (optional)	Intermittent	
	Blade length	Left: 500 mm Right: 475 mm	
	Swept area cm <sup>2</sup> (in. <sup>2</sup> )	6567 (1050)	
Windshield washer	Type (standard)	Electric, Lever control : Pull combination switch lever	
	Type (optional)	N.A.	
	Fluid level indicator (light, audible)	N.A.	
Rear window wiper, wiper/washer (std., opt., n.a.)			Opt.
Horn	Type	Electric Resonator	
	Number used		1
Other			Service & parking brake failure warning light, seat belt warning light and buzzer, headlamp high beam indicating light, check engine indicating light, turn signal indicating light, Shift-up indicator (M/T only)

# AAMA Specifications

Vehicle Line CHEVROLET METRO (hatchback)

METRIC (U.S. Customary)

Model Year	1998	Issued	Apr. 25, 1997	Revised (®)	
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Engine Code/Description		LP2 / LY8	1.0 L L3 (61 CID) / 1.3 L L4 (79 CID) EFI
<b>Electrical - Supply System</b>			
Battery	Manufacturer	DELCO REMY	
	Model, std., (opt.)	GP26-50S	
	Voltage	12V	
	Amps at 0_ F, cold crank	390 Amp	
	Minutes-reserve capacity	71 min.	
	Amps/hrs. -20 hr. rate	45 AH	
Location	Left		
Alternator	Manufacturer	MITSUBISHI ELECTRIC	
	Rating (idle/max. rpm)	55A(2500rpm)	
	Ratio (alt. crank/rev.)	2.36 : 1	
	Output at idle (rpm, park)		
	Optional (type & rating)	None	
Regulator	Type	Integral with alternator	
<b>Electrical - Starting System</b>			
Motor	Manufacturer	MITSUBISHI ELECTRIC	
	Current drain _____ C (F)	200 A max	
	Power rating kw (hp)	1.0L: 0.8, 1.3L: MT:0.9, AT: 1.2	
Motor drive	Engagement type Pinion engages from (front, rear)	1.0L: Positive shift solenoid, 1.3L: MT : Positive shift solenoid, AT : Reduction Front	
<b>Electrical - Ignition System</b>			
Type	Electronic (std., opt., n.a.)	Electronic Spark advance, Std.	
	Other (specify)	High energy ignition	
Coil	Manufacturer	DIAMOND ELECTRIC MANUFACTURING CORPORATION	
	Model	1.0L: 33410-50G1, 1.3L: 33400-50G0	
	Current	Engine stopped - A	0
		Engine idling - A	1.5 A max.
Spark plug	Manufacturer & Model	NGK DENSO	1.0L BPR6ES-11 1.3L BKR6E 1.0L W20EPR-U11 A@1.3L K20PR-U11
		1.0L:AC	1.0L:R42XLS
	Thread (mm)	M14 x 1.25	
	Tightening torque N.m (lb. ft.)	20-30 (15-22)	
	Gap	1.1 mm (0.039in.)	
	Number per cylinder	1	
Distributor	Manufacturer	1.0L: DENSO, 1.3L: N.A.	
	Model	1.0L: 33100-50G1, 1.3L: N.A.	
Ignition Timing (Neutral)		5 BTDC	
<b>Electrical - Suppression</b>			
Locations & type		1.0L: Spark plug with resistor, High tension cord with resistor, Distributor with noise suppressor, 1.3L: Spark plug with resistor, High tension cord with resistor	

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**Vehicle Specifications**

<b>METRIC (U.S. Customary)</b>	<b>Model Year</b>	1998	<b>Issued</b>	Apr. 25, 1997	<b>Revised (®)</b>	

<b>Model Code/Description</b>		2 door hatchback	
<b>Body</b>			
<b>Structure</b>		Unitized frame	
<b>Bumper system front - rear</b>		Front: Polypropylene fascia and Glass-fiber reinforced energy absorbing polypropylene beam Rear: Same as Front	
<b>Anti-corrosion treatment</b>		1. Use of surface treated steel plates in major body components. 2. Application of vinyl chloride coating to floor bottom surface and side sill outer surface. 3. Application of corrosion protection oil to side sill inner surface.	
<b>Body - Miscellaneous Information</b>			
<b>Type of finish (lacquer, enamel, other)</b>		Enamel	
<b>Hood</b>	<b>Material &amp; mass</b>	Steel, 10.7 (23.6)	
	<b>Hinge location (front, rear)</b>	Rear	
	<b>Type (counterbalance, prop)</b>	Prop	
	<b>Release control (internal, external)</b>	internal & external	
<b>Trunk lid</b>	<b>Material &amp; mass</b>	N.A.	
	<b>Type (counterbalance, other)</b>	N.A.	
	<b>Internal release control (elec., mech., n.a.)</b>	N.A.	
<b>Hatchback lid</b>	<b>Material &amp; mass</b>	Steel, 17.9 (with rear wiper): opt.	
	<b>Type (counterbalance, other)</b>	Gas dumper stay	
	<b>Internal release control (elec., mech., n.a.)</b>	Mech. (sel.)	
<b>Tailgate</b>	<b>Material &amp; mass</b>	N.A.	
	<b>Type (drop, lift, door)</b>	N.A.	
	<b>Internal release control (elec., mech., n.a.)</b>	N.A.	
<b>Vent window control (crank, friction, pivot, power)</b>	<b>Front</b>	N.A.	
	<b>Rear</b>	N.A.	
<b>Window regulator type (cable, tape, flex drive, etc.)</b>	<b>Front</b>	X arm	
	<b>Rear</b>	N.A.	
<b>Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)</b>	<b>Front</b>	Bucket type, Steel pipe frame, Urethane mold	
	<b>Rear</b>	Bench type, Steel wire frame, Urethane mold	
	<b>3rd seat</b>	N.A.	
<b>Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc.)</b>	<b>Front</b>	Bucket type, Steel pipe frame, Urethane mold	
	<b>Rear</b>	Bench type, Steel pipe frame, Urethane mold	
	<b>3rd seat</b>	N.A.	
<b>Frame</b>			
<b>Type and description (separate frame, unitized frame, partially-unitized frame)</b>		Unitized frame	

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# AAMA Specifications

Vehicle Line CHEVROLET METRO (hatchback)

METRIC (U.S. Customary)

Model Year

1998

Issued

Apr. 25, 1997

Revised (®)

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Model Code/Description		2 door hatchback			
Restraint System					
Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.) Standard / Optional	First seat	Lap and shoulder belt, ELR	N.A.	Lap and shoulder belt, ALR + ELR
		Second seat	Lap and shoulder belt, ALR + ELR	N.A.	Lap and shoulder belt, ALR + ELR
		Third seat	N.A.	N.A.	N.A.
Passive	Type & description (air bag, motorized-2-point belt, fixed belt, knee bolster, manual-lap belt) Standard / Optional	First seat	Air Bag	N.A.	Air Bag
		Second seat	N.A.	N.A.	N.A.
		Third seat	N.A.	N.A.	N.A.

Glass	SAE Ref.No.	
Windshield glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> )	S1	8759 cm <sup>2</sup> (1358 in. <sup>2</sup> )
Side glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> ) - total 2 sides	S2	10436 cm <sup>2</sup> (1618 in. <sup>2</sup> )
Backlight glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> )	S3	4368 cm <sup>2</sup> (677 in. <sup>2</sup> )
Total glass exposed surface area cm <sup>2</sup> (in. <sup>2</sup> )	S4	23563 cm <sup>2</sup> (3652 in. <sup>2</sup> )
Windshield glass (type/thickness)		Laminated glass 4.76 (0.19)
Side glass (type/thickness)		Tempered glass 3.5 (0.14)
Backlight glass (type/thickness)		Tempered glass 3.5 (0.14)
Tinted (yes/no, location)		Yes (Windshield glass, Side glass, Backlight glass)
Solar control (yes/no, coated/batched, location)		NO
Headlamps		
Description (sealed beam, halogen, replaceable bulb, etc.)		Halogen, Replaceable bulb
Shape		Composite
Lo-beam type (2A1, 2B1, 2C1, etc.)		HB5
Quantity		2
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)		HB5
Quantity		2

**AAMA Specifications**

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**METRIC (U.S. Customary)**

Model Year	1998	Issued	Apr. 25, 1997	Revised (e)
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Engine Code/Description	LP2 / LY8	1.0 L L3 (61 CID) / 1.3 L L4 (79 CID) EFI
<b>Climate Control System</b>		
Air conditioning (std., opt., man., auto.)	Optional, Manual control	
Condenser	Type	Corrugated fin type
	Eff. face area (sq. mm.)	164,000
	Fins per inch	16.4
Evaporator	Type	Single tank laminate
	Eff. face area (sq. mm.)	44120
	Fins per inch	14.5
Heater core	Material	Copper
	Eff. face area (sq. mm.)	24,990
	Fins per inch	29
Compressor	Type	Wobble
	Displacement (cc.)	99.8
	Manufacturer	SANDEN CORPORATION
	A/C pulley ratio	1.2
Accumulator	Type	N.A.
	Height (mm.)	N.A.
	Diameter (mm.)	N.A.
Receiver	Type	Dryer, Safety device
	Height (mm.)	167
	Diameter (mm.)	60
Refrigerant control (CCOT, TVS, etc.)	Thermostatic expansion valve	
Heater water valve (yes / no)	No	
Refrigerant (R - 12, R - 134a, etc.)	HFC - 134a	
Charge level (lbs. - oz.)	1.21 lbs	
Cold engine lockout switch (yes / no)	No	
Wide open throttle cutout switch (yes / no)	Yes	

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# AAMA Specifications

Vehicle Line CHEVROLET METRO (Hatchback)

METRIC (U.S. Customary)

Model Year	1998	Issued	Apr. 25, 1997	Revised (#)	-
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Model Code/Description		2 door hatchback
Convenience Equipment (standard, optional, n.a.)		
Clock (digital, analog)		Digital (Integrated with radio) , optional
Compass / thermometer		N.A.
Console (floor, overhead)		Floor, Std.
Defroster, electric windshield		N.A.
Defroster, electric backlight		Opt.
Electronic	Diagnostic monitor (integrated, individual)	N.A.
	Instrument cluster (list instruments)	N.A.
	Keyless entry	N.A.
	Tripminder (avg. spd., fuel)	N.A.
	Voice alert (list items)	N.A.
	Other	None
Fuel door lock (remote, key, electric)		Non-Lock Door
Integrated Child Seating	Std./opt. & location in vehicle	N.A.
	Number of occupants	N.A.
	Occupant weight/height (min. & max.)	N.A.
	Restraint system description (3 or 5-point belts/booster seat capability)	N.A.
Lamps	Auto head on/off delay, dimming	N.A.
	Daytime Running Lamp	yes
	Cornering	N.A.
	Courtesy (map, reading)	N.A.
	Door lock, ignition	N.A.
	Engine compartment	N.A.
	Fog	N.A.
	Glove compartment	N.A.
	Trunk	N.A.
	Illuminated entry system (list lamps, activation)	N.A.
	Other	N.A.
Mirrors	Day / night (auto., man.)	Manual, Std.
	L.H. (remote, power, heated)	select : Manual or Remote
	R.H. (convex, remote, power, heated)	Convex, select : Manual or Remote
	Visor vanity (RH / LH, illuminated)	N.A.
Navigation system (describe)		N.A.
Parking brake-auto release (warning light)		N.A.



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# AAMA Specifications

Vehicle Line CHEVROLET METRO (hatchback)

METRIC (U.S. Customary)

Model Year	1998	Issued	Apr. 25, 1997	Revised (*)	
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Model Code/Description		2 door hatchback		
Convenience Equipment (standard, optional, n.a.)				
Power equipment	Deck lid (release, pull down)		N.A.	
	Door locks (manual, automatic, describe system)		N.A.	
	Seats	2 - 4 - 6 way, etc.		N.A.
		Reclining (R.H., L.H.)		N.A.
		Memory (R.H., L.H., preset recline)		N.A.
		Support (lumbar, hip, thigh, etc.)		N.A.
		Heated (R.H., L.H., other)		N.A.
	Side windows		N.A.	
	Vent windows		N.A.	
	Rear windows		N.A.	
Other Power Equipments		N.A.		
Radio systems	Antenna (location, whip, w/shield, power)		Left-front pillar, Whip	
	Standard		N.A.	
	Optional	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	AM/FM Stereo	
			AM/FM Stereo with cassette AM/FM Stereo with CD Antenna	
Speaker (number, location)		Opt. 2, Front door    Opt. 2, Rear quarter panel		
Roof: open air or fixed (flip-up, sliding, "T")		N.A.		
Speed control device		N.A.		
Speed warning device (light, buzzer, etc.)		N.A.		
Tachometer (rpm)		Optional		
Telephone system (describe)		N.A.		
Theft deterrent system		Steering lock type		
Trailer Towing				
Towing capable	Yes / No	No		
Engine / transmission / axle	Std. / Opt.	N.A.		
Tow class (I, II, III)*	Std. / Opt.	N.A.		
Max. gross trailer wgt. (lbs.)	Std. / Opt.	N.A.		
Max. trailer tongue load (lbs.)	Std. / Opt.	N.A.		
Towing package available	Yes / No	No		

\* Class I - 2,000 lbs.    Class II - 3,500 lbs.    Class III - 5,000 lbs.

METRIC (U.S. Customary)

Model Year 1998 Issued Apr. 25, 1997 Revised (®)

Model Code/Description 2 door hatchback

**Vehicle Dimensions** See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each vehicle line. SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100 "Motor Vehicle Dimensions," unless otherwise specified.

Model Code/Description

	SAE Ref. No.	
<b>Width</b>		
Tread (front)	W101	1385 (54.5)
Tread (rear)	W102	1360 (53.5)
Vehicle width	W103	1590 (62.6)
Body width at SgRP (front)	W117	1571 (61.9)
Vehicle width (front doors open)	W120	3579 (140.9)
Vehicle width (rear doors open)	W121	N.A.
Tumble-home (degrees)	W122	24.7
Outside mirror width	W410	1804 (71.0)
<b>Length</b>		
Wheelbase	L101	2365(93.1)
Vehicle length	L103	3795 (149.4)
Overhang (front)	L104	823 (32.4)
Overhang (rear)	L105	606 (23.9)
Upper structure length	L123	2621 (103.2)
Rear Wheel C/L "X" coordinate	L127	2910 (114.6)
<b>Height **</b>		
Passenger distribution (front/rear)	PD1.2.3	2/2 **
Trunk/cargo load		**
Vehicle height	H101	1390 (54.7)
Cowl point to ground	H114	906 (35.7)
Deck point to ground	H138	----
Rocker panel-front to ground	H112	217 (8.5)
Rocker panel-rear to ground	H111	229 (9.0)
Windshield slope angle (degrees)	H122	63
Backlight slope angle (degrees)	H121	52.9
<b>Ground Clearance **</b>		
Front bumper to ground	H102	204(8.0)
Rear bumper to ground	H104	252(9.9)
Bumper to ground front at curb mass (wt.)	H103	221(8.7)
Bumper to ground rear at curb mass (wt.)	H105	274(10.8)
Angle of approach (degrees)	H106	18.7
Angle of departure (degrees)	H107	30.5
Ramp breakover angle (degrees)	H147	19
Axle differential to ground (front/rear)	H153	180
Min. running ground clearance	H156	160 (6.3)
Location of min. running ground clear.		Catalyst case

\*\* All Vehicle Height And Ground Clearance Are Made Using EPA Loaded Vehicle Weight, Loading Conditions. EPA loaded vehicle weight is the base vehicle weight plus all coolant and fluids necessary for operation plus 100% of the fuel capacity, plus the weight of all options and accessories which weigh three pounds or more and which are sold on at least 33% of the car line, plus two occupants.

All linear dimensions are in millimeters (inches) unless otherwise noted.

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METRIC (U.S. Customary)	Model Year	1998	Issued	Apr. 25, 1997	Revised (●)
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**Vehicle Dimensions** See Key Sheets for definitions

Model Code/Description	2 door hatchback	
<b>Front Compartment</b>	<b>SAE Ref. No.</b>	
SgRP front, "X" coordinate	L31	1850 (72.83)
Effective head room	H61	993 (39.1)
Max. effective leg room (accelerator)	L34	1079(42.5)
SgRP to heel point	H30	240 (9.45)
SgRP to heel point	L53	882 (34.7)
Back angle (degrees)	L40	25
Hip angle (degrees)	L42	97 30'
Knee angle (degrees)	L44	129
Foot angle (degrees)	L46	87
Design H-point front travel	L17	210 (8.27)
Normal driving & riding seat track trvl.	L23	210 (8.27)
Shoulder room	W3	1242 (48.9)
Hip room	W5	1199 (47.2)
Upper body opening to ground	H50	1244 (49.0)
Steering wheel maximum diameter*	W6	385
Steering wheel angle (degrees)	H18	23 46'
Accel. heel pt. to steer. whl. cntr.	L11	465
Accel. heel pt. to steer. whl. cntr.	H17	631
Undepressed floor covering thickness	H67	30 (1.2)
<b>Rear Compartment</b>		
SgRP point couple distance	L50	735 (28.9)
Effective head room	H63	915(36.0)
Min. effective leg room	L51	819(32.2)
SgRP (second to heel)	H31	281 (11.1)
Knee clearance	L48	-23 (-0.9)
Shoulder room	W4	1242(48.9)
Hip room	W6	1115(43.9)
Upper body opening to ground	H51	N.A.
Back angle (degrees)	L41	25
Hip angle (degrees)	L43	80.8
Knee angle (degrees)	L45	76.2
Foot angle (degrees)	L47	117.8
Depressed floor covering thickness	H73	20 (0.78)

Usable luggage capacity L (cu. ft.)	V1	N.A.
Liftover height	H195	666 (27.1)
<b>Interior Volumes (EPA Classification)</b>		
Vehicle class		subcompact
Interior volume index including trunk/cargo (cu. ft.)**		2429 (85.8)
Front Seat Volume + Rear Seat Volume		2191 (77.4)
Trunk/cargo index (cu. ft.)		238 (8.4)

\* See page 14.

\*\* See definition page 33.

All linear dimensions are in millimeters (inches) unless otherwise noted.

\*\*\* EPA Loaded Vehicle Weight, Loading Conditions

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<b>METRIC (U.S. Customary)</b>	<b>Model Year</b> 1998	<b>Issued</b> Apr. 25, 1997	<b>Revised</b> (*)
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**Vehicle Dimensions** See Key Sheets for definitions

Model Code/Description	2 door hatchback	
<b>Station Wagon/MPV* -Third Seat</b>	<b>SAE Ref. No.</b>	
Seat facing direction	SD1	N.A.
SgRP couple distance	L85	N.A.
Shoulder room	W85	N.A.
Hip room	W86	N.A.
Effective leg room	L86	N.A.
Effective head room	H86	N.A.
SgRP to heel point	H87	N.A.
Knee clearance	L87	N.A.
Back angle (degrees)	L88	N.A.
Hip angle (degrees)	L89	N.A.
Knee angle (degrees)	L90	N.A.
Foot angle (degrees)	L91	N.A.
<b>Station Wagon/MPV* - Cargo Space</b>		
Cargo length (open front)	L200	N.A.
Cargo length (open second)	L201	N.A.
Cargo length (closed front)	L202	N.A.
Cargo length (closed second)	L203	N.A.
Cargo length at belt (front)	L204	N.A.
Cargo length at belt (second)	L205	N.A.
Cargo width (wheelhouse)	W201	N.A.
Rear opening width at floor	W203	N.A.
Opening width at belt	W204	N.A.
Min. rear opening width above belt	W205	N.A.
Cargo height	H201	N.A.
Rear opening height	H202	N.A.
Tailgate to ground height	H250	N.A.
Front seat back to load floor height	H197	N.A.
Cargo volume index m <sup>3</sup> (ft. <sup>3</sup> )	V2	N.A.
Hidden cargo volume index m <sup>3</sup> (ft. <sup>3</sup> )	V4	N.A.
Cargo volume index-rear of 2-seat	V10	N.A.
Cargo volume index**	V6	N.A.
Cargo width at floor*	W500	N.A.
Maximum cargo height*	H505	N.A.
<b>Hatchback - Cargo Space</b>		
Cargo length at front seatback height	L208	1095 (43.11)
Cargo length at floor (front)	L209	945 (37.20)
Cargo length at second seatback height	L210	374 (14.72)
Cargo length at floor (second)	L211	535 (21.06)
Front seatback to load floor height	H197	501 (19.72)
Second seatback to load floor height	H196	421 (16.57)
Cargo volume index m <sup>3</sup> (ft. <sup>3</sup> )	V3	636 L (22.5 cu-ft)
Hidden cargo volume index m <sup>3</sup> (ft. <sup>3</sup> )	V4	N.A.
Cargo volume index - rear of 2-seat	V11	238 L (8.4 cu-ft)

All linear dimensions are in millimeters (inches) unless otherwise noted.  
 \* MPV - Multipurpose Vehicle  
 \*\* EPA Loaded Vehicle Weight, Loading Conditions

**AAMA Specifications**

**METRIC (U.S. Customary)**

Model Year	1998	Issued	Apr. 25, 1997	Revised (●)	-
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Model Code/Description		2 door hatchback	
Vehicle Fiducial Marks			
Fiducial Mark Number*		Define Coordinate Location	
Front(1)	Front suspension strut upper center		
Front(2)			
Rear(1)	Burring hole center of rear floor side member at rear most bottom		
Rear(2)	NOTE: Provide 3 of 4 Fiducial Mark Locations		
Front	W21**	512 mm (20.2 in.)	
	L54**	569 mm (22.4 in.)	
	H81**	525 mm (20.7 in.)	
	H181**	775 mm (30.51 in.)	
	H183**	A757 mm (29.80 in.)	
Rear	W22**	463 mm (18.2 in.)	
	L55**	3260 mm (128.4 in.)	
	H82**	159 mm (6.3 in.)	
	H182**	432 mm (17.01 in.)	
	H184**	410 mm (16.14 in.)	

\* Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks.  
 \*\* Reference - SAE Recommended Practice J1100 - Motor Vehicle Dimensions.  
 \*\*\* EPA Loaded Vehicle Weight, Loading Conditions  
 All linear dimensions are in millimeters (inches) unless otherwise noted.

File  
No  
6A

<b>Vehicle Specifications</b>		Line				
<b>METRIC (U.S. Customary)</b>		Model Year	1998	Issued	April 25, 1997	Revised (#)

Model		VEHICLE MASS (WEIGHT)				% PASS MASS DISTRIBUTION				
		CURB MASS, kg. (lb.)*			Shipping Mass kg (lb)**	ETW	Pass in Front		Pass in Rear	
		Front	Rear	Total			Front	Rear	Front	Rear
1.0 L Base (M/T)	BDC (kg) (lbs)	505 (1113)	320 (705)	825 (1818)	800 (1763)	2125				
1.3L LSi (M/T)	BDD (kg) (lbs)	535 (1179)	325 (716)	860 (1895)	835 (1841)	2250				
1.3 L LSi (A/T)	BRD (kg) (lbs)	550 (1213)	325 (716)	875 (1929)	850 (1874)	2250				

\* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.  
 \*\* ETWC - Equivalent Test Weight Class - basis for U.S. Environmental Protection Agency emission certifications  
 Refer to ETWC code legend below for test weight class.

Curb Wt. includes following item(s) :  
 Air conditioner- Yes  
 Power steering- Yes  
 Antilock Brake System- No  
 Fuel Tank Capacity 39 (Liter)

ETWC LEGEND			
A = 1000	I = 2000	Q = 3000	Y = 4000
B = 1125	J = 2125	R = 3125	Z = 4250
C = 1250	K = 2250	S = 3250	AA = 4500
D = 1375	L = 2375	T = 3375	BB = 4750
E = 1500	M = 2500	U = 3500	CC = 5000
F = 1625	N = 2625	V = 3625	DD = 5250
G = 1750	O = 2750	W = 3750	EE = 5500
H = 1875	P = 2875	X = 3875	FF = 5750

\*\*\* Shipping Mass (weight) = Curb Weight Less:  
 33.5 gasoline 25  
 (Liter) weight (kg)