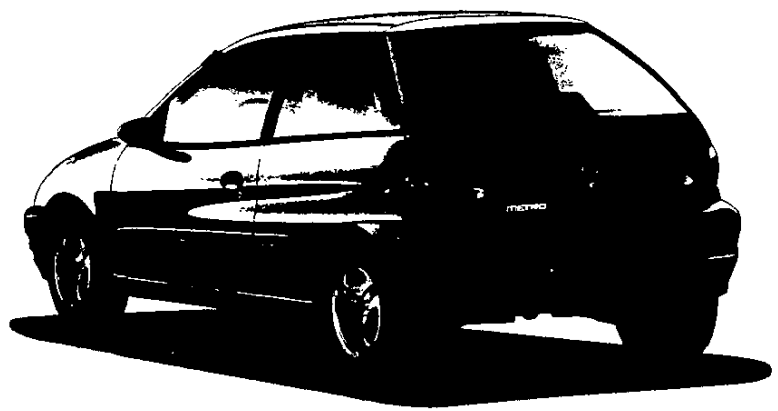


1999 CHEVROLET METRO





1999 PRODUCT INFORMATION GUIDE 

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Contact: Chevrolet Communications
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1999 METRO PACKS BIG IDEAS IN A SMALL PACKAGE

DETROIT — The outstanding fuel efficiency of the 1999 Chevrolet Metro and a surprisingly high level of standard features make Metro a logical choice for first-time buyers.

"Research has shown that 12 percent of Metro buyers had considered a used car as their second choice," said Rick Scheidt, Metro brand manager. "Metro provides these buyers with a low purchase cost, low operation cost and the benefits they may not expect from such an affordable car."

Scheidt said that the "new-car" peace of mind Metro offers stems from a standard 3-year/36,000 mile New Vehicle Limited warranty and 24-hour Roadside Assistance service.

Metro Coupe features a 1.0 liter SOHC three-cylinder engine with Electronic Fuel Injection matched to a five-speed manual transmission for excellent fuel economy.

All Metro models provide features such as Daytime Running Lamps and Scotchgard™ protection — features not found on competitive models such as Hyundai Accent or Kia Sephia. In addition, Metro has standard dual manual remote outside mirrors and composite headlamps.

Metro LSi Coupe and LSi Sedan feature a larger 1.3 liter SOHC 16-valve four-cylinder engine with Multi-Port Fuel Injection (MPI). LSi Coupe and LSi Sedan models also have a standard 5-speed manual transmission, but offer an optional 3-speed automatic transmission with brake/transmission shift interlock. Exterior accents such as styled seven-spoke full wheel covers, body-side moldings and body-color front and rear bumpers are available.

Four-wheel independent suspension and stainless-steel exhaust muffler and tailpipe are standard. Metro also offers the loading convenience of a full-folding rear seat with trunk pass-through feature.

Two new exterior colors, Dark Green Metallic and Silver Metallic, are available for 1999.

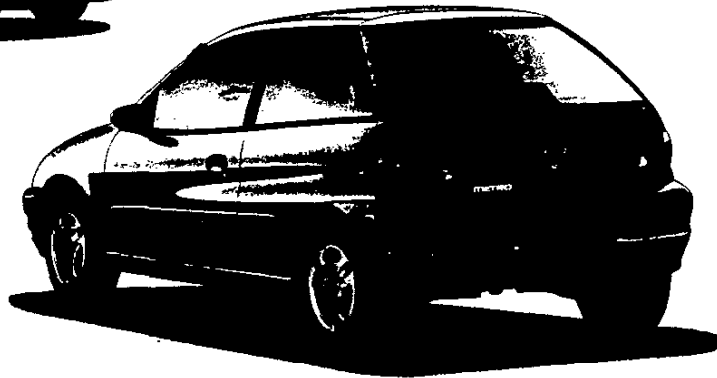
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1999 CHEVROLET METRO



Metro LSi Sedan



Metro Coupe

METRO AND THE MARKETPLACE

Metro is the fun, economical compact car with a high gas mileage rating and low purchase price, making it the ideal choice for first-time buyers or individuals seeking a used-car alternative. It's no wonder more than 60,958 units were sold during the 1997 model year.

Maintenance is easy and low-cost, too, thanks to big ideas such as a standard stainless-steel muffler and tailpipe, Scotchgard™ protection, and an engine timing belt and fuel filter that isn't scheduled for a change for up to 100,000 miles.¹

In addition to its affordable ownership costs, Metro offers the peace of mind that accompanies a new car. Every new Metro comes with a 3-year/ 36,000-mile²

New Vehicle Limited Warranty and offers Roadside Assistance.³ Plus, Metro is very big on safety, offering Next Generation driver and front-passenger air bags,⁴ Daytime Running Lamps and a steel safety cage which surrounds the entire passenger compartment.

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

2 Whichever comes first.

3 See page 10 for more details.

4 Always use safety belts and proper child restraints, even with Next Generation air bags. See the owner's manual for more safety information.

COMPETITORS

- Hyundai Accent
- Kia Sephia

AWARDS

- *Kiplinger's Personal Finance Magazine* — 1997 Most Fuel Efficient, Cars Under \$13,000

DEMOGRAPHICS

- Median Age: 38 Years
- Median Income: \$40,000
- Female: 60%
- Married: 50%
- First New Vehicle Purchase: 32%

NEW FOR 1999

EXTERIOR/STRUCTURAL

- Dark Green Metallic and Silver Metallic are new exterior colors (pg. 6)



MODELS AND TRIM LEVELS

METRO COUPE

Metro Coupe offers the following standard features:

Interior

- Next Generation driver and front-passenger air bags*
- Center console with two cup holders and storage tray
- Power socket/cigarette lighter
- Fully reclining front bucket seats with integral head restraints
- Sport Cloth seating surfaces with vinyl sides and seatbacks
- Full-folding rear seat
- Scotchgard™ protection
- Side-window defoggers
- Key-in-ignition and headlamps-on warning tone
- Fixed two-speed windshield wipers.

Exterior

- Daytime Running Lamps
- Composite halogen headlamps
- Dual black manual outside rearview mirrors
- Dark gray front and rear bumpers
- Painted styled-steel wheels with black center caps
- Two-side galvanized steel body panels (except roof)
- Stainless-steel muffler and tailpipe.

Functional

- 1.0 liter SOHC 3-cylinder engine with Electronic Fuel Injection
- 5-speed manual transmission with fourth and fifth gear overdrive
- Power front disc/rear drum brake system
- Manual rack-and-pinion steering
- 4-wheel independent suspension with front and rear stabilizer bars
- P155/80R-13 °all-season steel-belted radial tires.

*Always use safety belts and proper child restraints, even with Next Generation air bags. See the owner's manual for more safety information.

METRO LSi COUPE

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

Interior

- Trip odometer
- Custom Cloth seating surfaces with vinyl sides and seatback.
- Intermittent windshield wipers.

Exterior

- Body-color front and rear bumpers
- Dark gray body-side moldings
- 7-spoke, painted full wheel covers.

Functional

- 1.3 liter SOHC 16-valve 4-cylinder engine with Multi-Port Fuel Injection

METRO LSi SEDAN

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

Interior

- Child security rear-door locks
- Full-folding rear seat with trunk pass-through feature.

Functional

- Large rear drum brakes.



THE CHEVROLET SEDAN FAMILY

Every Chevrolet Sedan is a quality-built car that owners can depend on to be a trusted member of their family — year in, year out.

GM has long been a leader in powertrain performance and Chevy Sedans benefit from this technology, along with a comprehensive safety package designed to add peace of mind to every mile consumers drive.

Besides offering outstanding value at an affordable price, Chevrolet Sedans offer low-maintenance features that make them easier to care for.

All Chevrolet sedans are covered by a comprehensive owner protection program that includes a no-deductible, 3-year/36,000-mile* limited warranty and 24-Hour Roadside Assistance.

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

LUMINA — The well-equipped, affordable Chevrolet Sedan for those who want comprehensive, standard safety features with 6-passenger roominess, comfort and one less thing to worry about.

MALIBU — The 5-passenger centerpiece of the family, designed to appeal to current Chevrolet owners, as well as to those who drive midsize imports.

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

CAVALIER — The low-priced, 5-passenger Chevrolet Sedan for young, value-conscious buyers.

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.

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

*Whichever comes first.

SAFETY AND SECURITY

CRASH AVOIDANCE FEATURES

Standard

- **DAYTIME RUNNING LAMPS (DRL)** turn on automatically when the ignition is on and the parking brake is disengaged, to help increase Metro visibility to other drivers. The DRL system runs the headlamps at a reduced intensity when compared to regular headlamp operation to reduce glare to oncoming drivers. DRL turn off when the vehicle's headlamps are activated or when the ignition is turned off.
- **CLUTCH/STARTER INTERLOCK SWITCH**, standard on Metro models equipped with a manual transmission, requires drivers to depress the clutch pedal in order to start the engine.
- **BRAKE/TRANSMISSION SHIFT INTERLOCK**, standard on Metro models equipped with an optional automatic transmission, prevents shifting the transmission out of Park without first depressing the brake pedal.

Optional

- **4-WHEEL ANTILOCK BRAKES (ABS)**, optional on all Metro models, automatically modulate brake pressure to the front and rear wheels during hard braking situations, helping the driver to maintain steering control and reduce wheel lockup on most slippery surfaces (See pg. 7 for more information).

OCCUPANT PROTECTION FEATURES

Standard occupant protection features:

- **NEXT GENERATION DRIVER AND FRONT-PASSENGER AIR BAGS*** inflate with reduced speed and deployment force, helping to reduce the risk of deployment injury. Even with Next Generation air bags, however, never place a rear-facing infant restraint in the front seat of any vehicle with an active air bag.
- **THREE-POINT SAFETY BELT SYSTEM** helps restrain out-board 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 only. When engaged, they 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 during a collision.
- **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, to help reduce injury to the driver's body.

*Always use safety belts and proper child restraints, even with Next Generation air bags. See owner's manual for more safety information.

INTERIOR FEATURES

COMFORT AND CONVENIENCE FEATURES

Standard

- **INTEGRATED INSTRUMENT PANEL** features easy-to-read gauges and easy-to-operate controls.
- **TRIP ODOMETER**, standard on LSi models, allows Metro drivers to track mileage by the trip or the tankful.
- **SINGLE KEY** starts the car and operates locking functions on all doors and the trunk/rear hatch.
- **SCOTCHGARD™ PROTECTION** helps guard cloth seating surfaces from stains and helps make cleanups easy.
- **CENTER CONSOLE** with two cup holders, a storage tray and a coin holder make it convenient to carry beverages, coins or audio tapes.
- **INTERMITTENT WINDSHIELD WIPERS**, standard on LSi models, allow the driver to match wiper speed with weather conditions.
- **"SOFT TOUCH" FOUR-SPOKE STEERING WHEEL**, standard on all models, provides a comfortable grip.

- **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.

Optional

- **TACHOMETER** helps the driver monitor engine performance and provides a trip odometer on the Metro Coupe.
- **AIR CONDITIONING** uses CFC-free refrigerant. An air conditioning compressor is automatically activated to help reduce window "flash-fogging" when the defrost mode is selected.
- **ELECTRIC REAR-WINDOW DEFOGGER** helps clear the back window of mist or ice.
- **CARPETED FLOOR MATS** for the front and rear are optional on every Metro.
- **COUPE LSi CONVENIENCE PACKAGE** includes dual manual remote exterior mirrors, easy-entry passenger seat and a security cargo cover.
- **SEDAN LSi CONVENIENCE PACKAGE** includes dual manual remote exterior mirrors, remote trunk release, split-folding rear seat and trunk light.

SOUND SYSTEMS

- **ELECTRONICALLY TUNED AM/FM STEREO** with seek, digital clock and four extended-range six-inch speakers is optional on all models.
- **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, digital clock and four extended-range speakers is optional on all models.

1999 CHEVROLET METRO



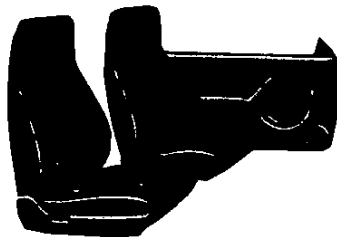
SEATS

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



Coupe

- Sport Cloth fully reclining bucket seats with integral head restraints and vinyl sides and seatbacks.



LSi Coupe and LSi Sedan

- Custom Cloth fully reclining bucket seats with integral head restraints and vinyl sides and seatbacks.

Additional Seating Features

- **FULL-FOLDING REAR SEAT** is standard on all Metro models.
- **EASY-ENTRY PASSENGER SEAT** feature adjusts to aid in rear-passenger entry and exit (optional on Metro Coupe and LSi Coupe models).
- **BUCKET SEATS** allow manual four-way seat adjustment for individualized positions.
- **SPLIT-FOLDING REAR SEAT** with trunk pass-through feature is optional on LSi Sedan only, giving greater cargo-carrying flexibility. This feature allows long or bulky objects to be stored with the decklid closed.

INTERIOR COLOR

- Gray.

EXTERIOR/ STRUCTURAL FEATURES

EXTERIOR FEATURES

- **DARK GRAY BUMPERS** are standard on the Metro Coupe and body-color fascias are standard on LSi Coupe and Sedan.
- **STAINLESS-STEEL MUFFLER AND TAILPIPE** resist corrosion on all Metro models.
- **DUAL, MANUAL OUTSIDE MIRRORS** assist the driver in monitoring the position of traffic around the vehicle.
- **BODY-SIDE MOLDINGS**, standard on LSi Coupe and Sedan and optional on Metro Coupe, help protect the vehicle from minor dings and scratches.
- **COMPOSITE HALOGEN HEADLAMPS** provide a high level of illumination.
- **DUAL, REMOTE OUTSIDE MIRRORS**, optional on LSi Coupe and LSi Sedan with the Convenience Package, may be adjusted from inside the vehicle.

STRUCTURAL FEATURES

Standard

- **UNIT BODY CONSTRUCTION** derives strength from heavy-gauge, welded panels, and is designed to produce fewer squeaks and rattles.
- **ONE-PIECE A-PILLAR WITH CROSS MEMBERS**, a floor tunnel brace and dense B-pillars add rigidity to the overall body strength.
- **FRAME-UNDER-GLASS CONSTRUCTION** helps reduce wind noise at highway speeds.
- **SOUND-DEADENING ADHESIVE** is used to help insulate passengers from engine, wind and road noise.
- **REAR WHEELWELLS** are reinforced to help decrease road noise.
- **CORROSION PROTECTION** has been built into all Metro models. All exterior panels except the roof use two-side galvanized steel.



EXTERIOR PAINT

Standard basecoat/clearcoat paint on Metro resists fading and provides a high gloss shine for long-lasting exterior beauty. Clearcoat finish is used with all colors — solids and metallics — except white.

- **TOTAL IMMERSION PHOSPHATE ELECTRODEPOSITION (ELPO)** process applies the first layer of primer/paint. Electric current is applied to the bodies while submerged in the paint bath to ensure complete coverage, even in hard-to-reach areas.
- **GLOSSY WATER-BASED HIGHLIGHTING SOLUTION** is applied to all exterior surfaces to reveal any imperfections before the body is painted.

EXTERIOR COLORS

NEW Colors for '99:

- Dark Green Metallic
- Silver Metallic.

Other Colors:

- Black Licorice
- Scuba Blue Metallic
- California Gold Metallic
- Sunset Red Metallic (LSi Sedan only)
- Wildfire Red (Coupe only)
- White.

MANUFACTURING

Metro models are manufactured by CAMI Automotive Inc. in Ingersoll, Ontario, Canada, a GM joint venture with Suzuki Motor Corporation.

"Continuous improvement" is the primary goal of this manufacturer, and in one year, employees spend about 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.

ENGINES

1.0 LITER SOHC ENGINE (LP2)

The 1.0 liter SOHC L3 engine with Electronic Fuel Injection (EFI) is economical as well as reliable. This 3-cylinder engine is standard on Metro Coupe with 5-speed manual transmission.

- **HORSEPOWER** is 55 at 5700 rpm.
- **TORQUE** is 58 lb.-ft. at 3300 rpm.
- **THROTTLE-BODY FUEL INJECTION** positions the injector 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 the oil filter, spark plugs 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 and also weighs less than iron.



1.3 LITER SOHC ENGINE (LY8)

This engine is standard on LSi models.

- **HORSEPOWER** is 79 at 6000 rpm.
- **TORQUE** is 75 lb.-ft. at 3000 rpm.
- **4-VALVES PER CYLINDER** in the combustion chamber increase combustion efficiency, for more power.
- **CONVENIENT ACCESS** to service and maintenance items such as the oil filter, spark plugs and all fluid reservoirs makes do-it-yourself maintenance easy for economy-minded Metro owners.
- **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.
- **DISTRIBUTORLESS IGNITION** eliminates the need for periodic engine timing adjustments.

TRANSMISSIONS

5-SPEED MANUAL TRANSMISSION

A 5-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 almost 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 FOURTH AND FIFTH GEARS** reduce 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.

- **BRAKE/TRANSMISSION SHIFT INTERLOCK** is a safety feature that requires the driver to apply the brake pedal before shifting the transmission out of Park.

SUSPENSION

Standard

- **4-WHEEL INDEPENDENT MACPHERSON STRUT SUSPENSION** isolates bumps at each wheel and prevents them from being transferred to other wheels, helping to maintain a smooth ride. And, the vertical configuration for the struts takes up minimal space, allowing for more room in the Metro interior.
- **STANDARD FRONT AND REAR STABILIZER BARS** help counteract body roll during hard cornering and increase steering response.

STEERING

Standard

- **RACK-AND-PINION STEERING** is standard for all models.
- **19.0:1 STEERING RATIO** for controlled steering response.

Optional

- **POWER STEERING** is optional on LSi Sedan and includes an 17.9:1 ratio.



BRAKES

Standard

- **FRONT DISC/REAR DRUM BRAKES** provide smooth, responsive stopping power.
- **DRUM BRAKES** include a self-adjusting feature that helps keep the lining correctly positioned for even, effective braking.
- **SPLIT BRAKING SYSTEM** with individual master cylinder reservoirs help ensure brake-line pressure to assist in the event of a hydraulic failure in one part of the system.

Optional

- **ANTILOCK BRAKES (ABS)** are available for all Metro models. Some things to keep in mind about antilock brakes:
 - ABS helps maintain steering control during severe braking situations by minimizing wheel lockup on most slippery surfaces. All the driver has to do is maintain pressure on the brake pedal and steer the vehicle.
 - ABS adjusts brake pressure by modulating the brakes several times per second, a rate even most skilled professional drivers cannot attain physically.
 - 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 radial tires are standard on all Metro models.



METRO COUPE:

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



METRO COUPE:

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



METRO LSi COUPE AND LSi SEDAN:

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

1999 CHEVROLET METRO



HISTORY (BY MODEL YEAR)

- 1989 — New Metro introduced as a 1990 Geo brand, offered in 2- and 4-Door Hatchback models.
- 1990 — New XFi model scores EPA city mileage rating of 53 MPG; 4-Door Hatchback now offered in base-level and LSi trim.
- 1991 — Metro Convertible introduced with standard driver air bag and seating for two.
- 1992 — New front and rear fascias; new interior; child security rear-door locks are standard on 4-Door Hatchback.
- 1994 — Metro Convertible no longer offered; available air conditioning features CFC-free refrigerant.
- 1995 — All-new design is larger than previous models, offered as a 2-Door Hatchback or a 4-Door Sedan in base-level or LSi trim; dual air bags are standard; 4-wheel antilock brakes are optional; new 1.3 liter 4-cylinder engine is optional on LSi Hatchback and standard on Sedan; Daytime Running Lamps (DRL) are standard.
- 1996 — A zoned rear-window defogger is optional; dual exterior rearview mirrors are standard; LSi Coupe features new wheel covers and body-color bumpers.
- 1997 — Sedan offered only as an LSi model; a new convenience package is available on all LSi models; the 1.3 liter engine is available in the LSi Coupe as well as in LSi Sedan.
- 1998 — Chevrolet bowtie replaces Geo badging as brand becomes Chevy Metro; new wheel cover design on all models feature the bowtie emblem; new front and rear bumpers enhance appearance; Multi-Port Fuel Injection helps add new power to the 1.3 liter four-cylinder engine of LSi models; new seat fabrics and family of radios.

AFFINITY RELATIONSHIPS

Because Chevrolet offers the most comprehensive lineup of cars and trucks of any automotive manufacturer, it goes without saying that there is a product for virtually everyone, whatever their needs. From the bass fisherman who needs a reliable truck to tow his fishing boat, to the soccer mom who needs a dependable van to get the team to the fields, Chevrolet can offer a vehicle to fit anyone's lifestyle.

With this in mind, Chevrolet created what has come to be known as "Affinity Marketing." Through it, Chevrolet has developed relationships with over eighty lifestyle organizations, sporting groups and spokespeople that represent the image of Chevrolet cars, trucks and the people who drive them. These relationships help Chevrolet market its products and services while offering marketing support to groups like the United States Figure Skating Association and Ducks Unlimited. Affinity Marketing also builds relationships with individuals. These people reflect the Chevrolet vision of excellence, like 1998 Olympic Gold Medalist Tara Lipinski and country music star George Strait.

Metro has affinity relationships with:

- Campus Fest
- HORDE Tour.

For more information, call 1-800-CHEVY-MI.



GENUINE CUSTOMER CARE

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

NEW VEHICLE LIMITED WARRANTY

This warranty is for GM vehicles in the United States. Owners should see their Chevrolet dealer for complete terms and conditions of this New Vehicle Limited Warranty. Items covered for 3 years or 36,000 miles* for manufacturer defect include:

- The complete vehicle
- Tires
- Towing to the nearest Chevrolet dealership
- Sheet-metal coverage
 - Corrosion coverage
 - Rust-through coverage†
- Repairs made to correct any vehicle defect
- No charge for most warranty repairs.

*Whichever comes first.

†Six years or 100,000 miles, whichever comes first.

COURTESY TRANSPORTATION

Retail customers who purchase or lease a 1999 Chevrolet car or truck are eligible for Courtesy Transportation 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 dealerships only, may include shuttle service, expense reimbursement or, if the repairs require leaving the vehicle overnight, a vehicle rental. Actual services may vary at the election of the participating dealer. Owners should see their dealer for details.

ROADSIDE ASSISTANCE*

Roadside Assistance service is provided through a toll-free 800 number, 24 hours a day, 365 days a year. Roadside Assistance advisors can assist with minor mechanical concerns over the phone or coordinate a variety of services through professional service providers.

Basic Care provides:

- Toll-free access — 1-800-CHEV-USA
- Free towing to closest dealer for warranty repairs
- Basic over-the-phone technical advice
- Dealer services at reasonable costs (i.e., wrecker services, locksmith/key service, glass repair, etc.).

Courtesy Care applies for 3 years/36,000 miles† and provides:

- Basic Care services
- Free locksmith/key service (when keys are lost on the road or locked inside)
- Free flat tire change service
- Free fuel delivery
- Free non-warranty towing
- Free jump start.

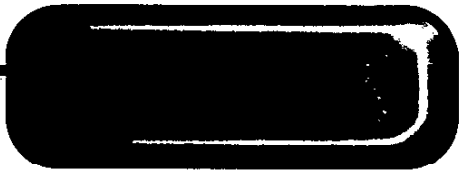
*Roadside Assistance membership is free. Some services may incur costs. Courtesy Care is available to retail, retail lease and corporate lease customers operating 1994 and newer Chevrolet vehicles for a period of 3 years/36,000 miles. All Courtesy Care services and associated costs must be prearranged by Chevrolet Roadside Assistance or dealer service management and must be driver-initiated. Basic Care and Courtesy Care are not part of or included in the coverage provided by the New Vehicle Limited Warranty. Chevrolet reserves the right to modify or discontinue Basic Care and Courtesy Care at any time. Owners should see their dealer for complete details of the Chevrolet Roadside Assistance Program.

†Whichever comes first.

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, 1998.

A note about Next Generation air bags: Always use safety belts and proper child restraints, even with Next Generation air bags. See owner's manual for more safety information.

1999 METRO FEATURE AVAILABILITY



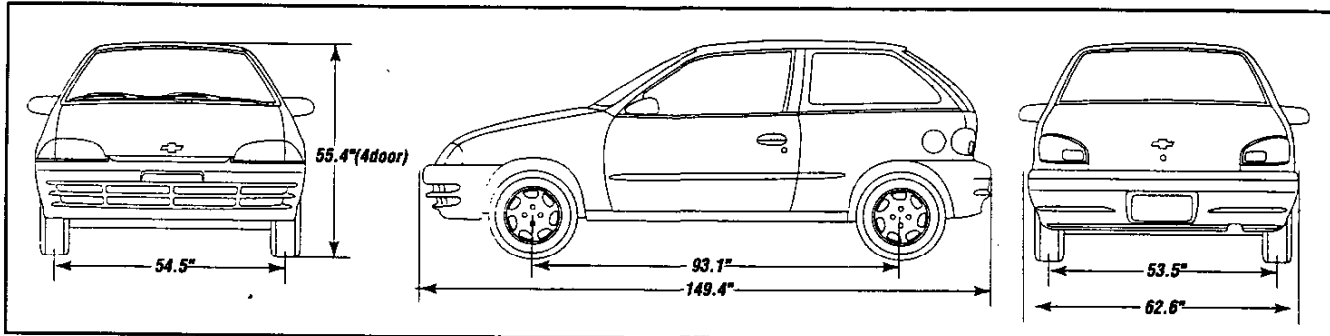
	Metro Coupe	Metro LSi Coupe	Metro LSi Sedan
INTERIOR			
Air Bags - Driver and Front-Passenger ¹	S	S	S
Air Conditioning - w/CFC-Free Refrigerant	O	O	O
Cargo Security Cover	NA	O ²	NA
Carpeting - Full	S	S	S
Console - Center, with Dual Cup Holders and Convenience Tray	S	S	S
Defogger - Rear-Window Electric	O	O	O
Door Locks - Power	NA	NA	O
- Child Security, Rear	NA	NA	S
Floor Mats - Carpeted, Front and Rear	O	O	O
Mirror - Inside, Day/Night Rearview	S	S	S
Scotchgard™ Protection - 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 ³	S	S
Trunk Release - Remote	NA	NA	O ²
Wipers - Intermittent	NA	S	S
- Rear Wiper/Washer	NA	O*	NA
EXTERIOR			
Bumpers - Body-Color	NA	S	S
Daytime Running Lamps	S	S	S
Exhaust System - Stainless-Steel Muffler, Tailpipe	S	S	S
Mirrors - Outside, Black, LH/RH Manual	S	S	S
- Outside, Black, LH/RH Remote	NA	O ²	O ²
Moldings - Dark Gray Body-Side	O	S	S
Paint - Basecoat/Clearcoat ⁴	S	S	S
Tires - P155/80R-13 All-Season	S	S	S
Wheels - 13" Styled-Steel	S	NA	NA
Wheel Covers - 3-Spoke, Cover	O ⁴	NA	NA
- 7-Spoke, Full	NA	S	S
FUNCTIONAL			
Brakes - Power Front Disc/Rear Drum	S	S	S
- 4-Wheel Anti-Lock Brake System (ABS)	O	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 with Brake/Transmission Shift Interlock	NA	O	O

S—Standard. O—Optional (some options may be available only as part of a Preferred Equipment Group). NA—Not available.

¹ Always use safety belts and proper child restraints, even with Next Generation air bags. ² Included with Optional LSi Convenience Package only.

³ Trip odometer included when tachometer is ordered. ⁴ Requires electric rear defogger. ⁵ All colors except White. ⁶ Requires PEG 15B or 15C.

1999 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/millimeters unless otherwise noted)

Exterior Dimensions	Coupe	Sedan
Wheelbase	93.1/2364.7	93.1/2364.7
Length (overall)	149.4/3794.8	164.0/4165.6
Width (overall)	62.6/1590.0	62.6/1590.0
Height (overall)	54.7/1389.4	55.4/1407.2
Tread — Front	54.5/1384.3	54.5/1384.3
Tread — Rear	53.5/1358.9	53.5/1358.9
Interior Front Dimensions		
Headroom	39.1/993.1	39.3/998.2
Legroom	42.5/1079.5	42.5/1079.5
Shoulder room	48.9/1242.1	49.0/1244.6
Hip room	47.2/1198.9	46.9/1191.3
Interior Rear Dimensions		
Headroom	36.0/914.4	37.3/947.4
Legroom	32.8/833.1	32.2/817.9
Shoulder room	48.9/1242.1	48.3/1226.8
Hip room	43.9/1115.1	42.9/1089.7
Capacities		
Passenger capacity	4	4
Passenger volume (cu. ft./liters)	85.8/2436.1	90.4/2566.7
Cargo index (cu. ft./liters)	8.4*/238.0	10.3/292.0
Fuel tank capacity (gal./liters, approx.)	10.3/39.0	10.3/39.0
EPA interior index (cu. ft./liters)	94.2/2674.6	100.7/2859.1
Curb weight (lbs., est./kg)	1895/860	1984/900
Engine oil (quarts/liters) with filter	3.3/3.1	3.3/3.1
Engine coolant (quarts w/man. trans./liters)	3.9/3.7	4.6**/4.3

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

*4.6/4.3 with 1.3 liter engine and manual transmission.

** 4.7/4.4 with 1.3 liter engine and automatic transmission.

1999 METRO SPECIFICATIONS



STEERING

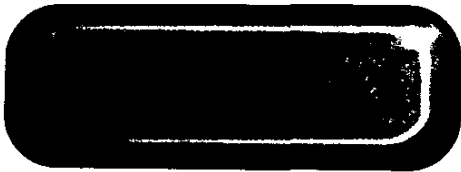
Type	Manual (standard) Rack-and-Pinion	Optional Power (Sedan only) Rack-and-Pinion
Ratio (overall)	19.0:1	17.9:1
Turns stop-to-stop	3.7	3.7
Turning diameter curb-to-curb (ft./m)	31.5/9.6	31.5/9.6
Turning diameter wall-to-wall (ft./m)	34.1/10.4	34.1/10.4

BRAKES

Type	Power front vented disc/rear drum (4-wheel ABS is optional)	
	U.S. STANDARD	METRIC
Gross lining, front/rear	21.7/26.7 (35.7 Sedan) sq. in.	140/172 (230.3 Sedan) sq. cm
Effective area, front/rear	21.7/26.7 (35.7 Sedan) sq. in.	140/172 (230.3 Sedan) sq. cm
Front rotor outer working dia. x thickness	9.02 x .67 in.	229.0 x 17.0 mm
Rear drum diameter x width	7.09 x .98 (7.87 x 1.18 Sedan) in.	180 x 25 (200.0 x 30.0 Sedan)
Total swept area, front/rear	139.8/43.7 (58.3 Sedan) sq. in.	902.0/282.0 (376.1)

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/kw @ engine RPM	55 @ 5700/41 kw @ 5700	79 @ 6000/52 kw @ 6000
Torque/nm (lb.-ft.)	58 @ 3300/78 nm @ 3300	75 @ 3000/99 nm @ 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 (amps)	55	55
Battery (SAE capacity rating, cca)	390	390
Recommend Fuel (unleaded)	87 octane	87 octane



1999 METRO SPECIFICATIONS



TRANSMISSIONS

Transmission	Standard 5-speed manual	Optional 3-speed automatic*
Layout	FWD transverse	FWD transverse
Gear ratios:		
1st	3.42 ¹	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. ¹3.58 with 1.3 Liter engine.

CHASSIS

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

MILEAGE/PERFORMANCE*

Engine	1.0 Liter L3		1.3 Liter L4		1.3 Liter L4	
	5-speed manual		5-speed manual		3-speed automatic	
Mileage:	MPG	litres/100 km	MPG	litres/100 km	MPG	litres/100 km
City	41	5.7	39	6.1	30	7.9
Highway	44	5.3	43	5.5	34	7.1
Est. cruising range:	mi.	km	mi.	km	mi.	km
City	422	679	402	647	309	497
Highway	466	750	443	713	350	563

*Based on 1999 GM Engineering fuel economy estimates.

TRAILERING INFORMATION

Trailer classification	(Trailer with Metro is not recommended.)
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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

All specifications are preliminary and subject to change.

1999 CHEVROLET METRO PHOTO ORDERING



99-01MET Metro Coupe



99-02MET Metro LSi Coupe



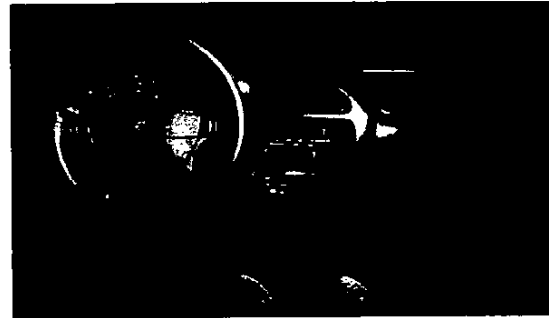
99-03MET Metro LSi Coupe



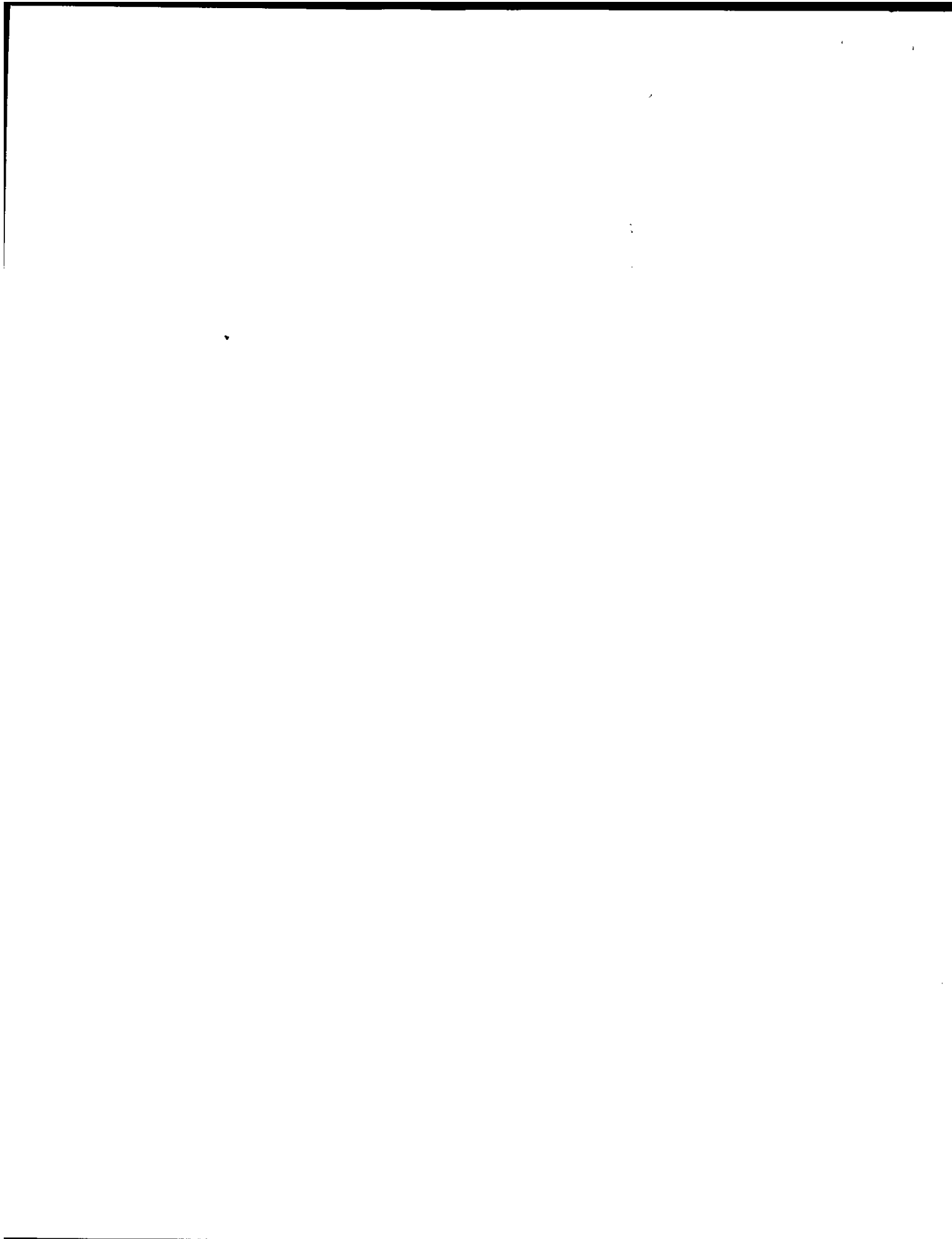
99-04MET Metro LSi Sedan



99-05MET Metro LSi Sedan



99-06MET Metro Interior

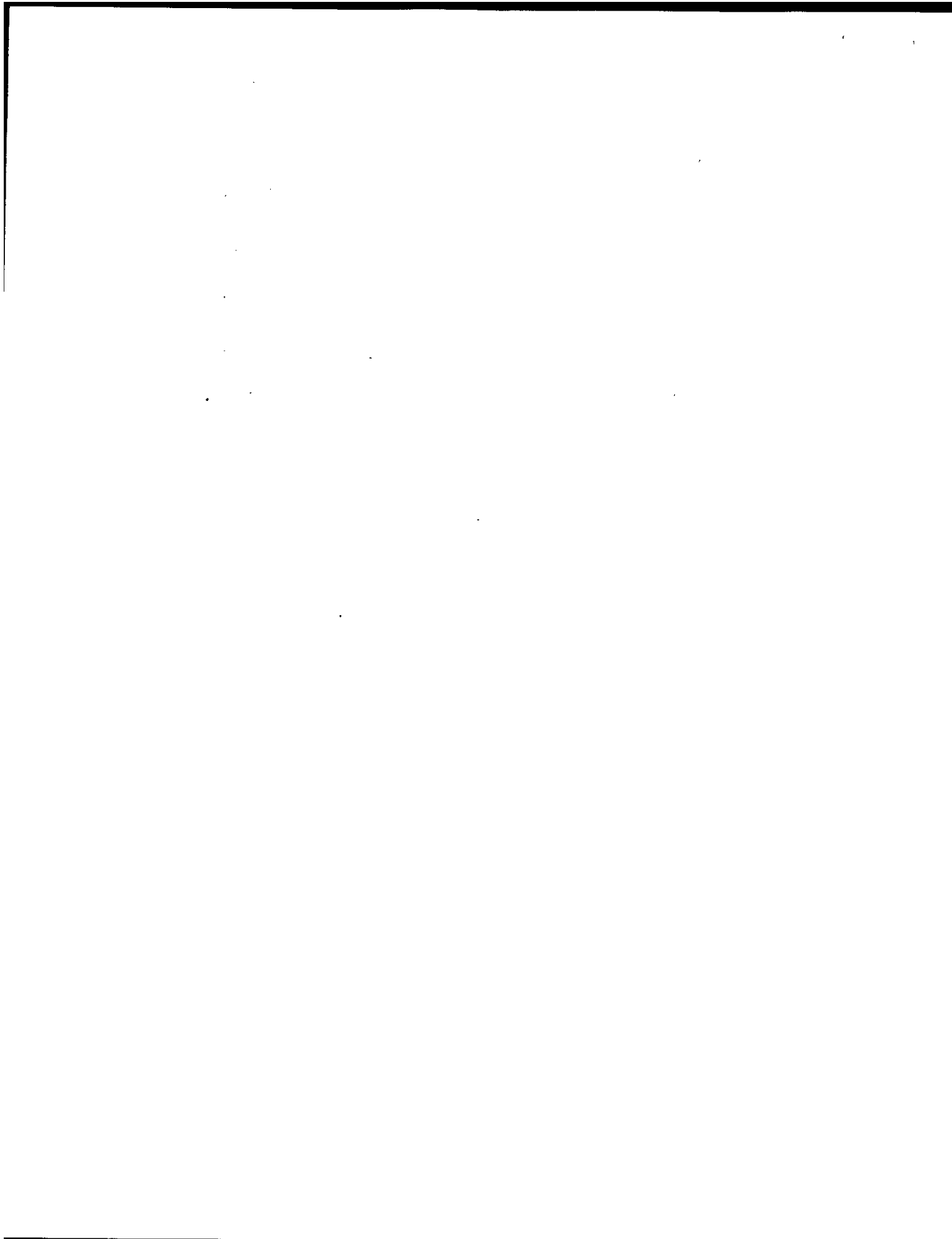


1999 METRO HIGHLIGHTS

NEW FOR 1999

COLORS

- Dark Green (Met) Replaces Woodland Green (Met)
- Silver (Met) Replaces Silver Sage (Met)



STANDARD EQUIPMENT SUMMARY

<u>CHASSIS</u>		COUPE BASE	COUPE LSI	SEDAN LSI
AXLES:	w/MM5 - 4.39	S	--	--
	w/MM5 - 3.79	--	S	S
	w/MX1 - 3.61	--	S	S
BRAKES:	POWER FRONT DISC/REAR DRUM	S	S	S
	PARKING BRAKE, CONSOLE MOUNTED	S	S	S
ENGINE:	1.0 LITER SINGLE OVERHEAD CAMSHAFT 3-CYLINDER ELECTRONIC FUEL INJECTION	S	--	--
	1.3 LITER 16 -VALVE SINGLE OVERHEAD CAMSHAFT 4-CYLINDER MULTI-PORT FUEL INJECTION	--	S	S
	EXHAUST:	STAINLESS STEEL MUFFLER AND TAILPIPE	S	S
STEERING:	RACK-AND-PINION	S	S	S
SUSPENSION:	INDEPENDENT 4-WHEEL, MACPHERSON STRUT WITH FRONT AND REAR STABILIZER BARS	S	S	S
	TRANSMISSION:	5-SPEED MANUAL WITH 4TH AND 5TH GEAR OVERDRIVE	S	S
<u>INTERIOR</u>				
CONSOLE:	CENTER WITH DUAL CUP HOLDERS AND STORAGE TRAY	S	S	S
DEFOGGER, VENTS:	ADJUSTABLE FRONT CENTER AND SIDE, FIXED SIDE WINDOW AND WINDSHIELD DEFOGGER	S	S	S
	DOORS:	FRONT AND REAR 3-DIMENSIONAL VINYL TRIM WITH INTEGRAL ARMREST	S	S
FABRIC PROTECTOR:	SCOTCHGARD	S	S	S
FLOOR COVERING:	FULL CARPETING	S	S	S
GAUGES:	SPEEDOMETER, FUEL AND COOLANT TEMPERATURE	S	S	S
LIGHTER:	CIGARETTE LIGHTER W/ASHTRAY	S	S	S
LIGHTING:	DOVE, 3-POSITION (ON/OFF/DRIVER DOOR ACTUATED)	S	S	S
LOCKS:	CHILD SECURITY, REAR	--	--	S
MIRRORS:	INSIDE DAY/NIGHT REARVIEW	S	S	S
RESTRAINT SYSTEMS:	NEXT GENERATION DRIVER AND RIGHT FRONT PASSENGER AIR BAGS	S	S	S
	FOUR LAP-SHOULDER SAFETY BELTS	S	S	S
	CHILD SEAT ANCHOR PROVISIONS IN REAR SEATS	S	S	S
	SEAT TRIM:	CUSTOM CLOTH COVERED SEATING SURFACE, VINYL SIDES AND SEAT-BACKS	--	S
SEATS FRONT:	SPORT CLOTH COVERED SEATING SURFACE WITH VINYL SIDES AND SEAT-BACKS	S	--	--
	BUCKET, FULLY RECLINING WITH INTEGRAL HEAD RESTRAINTS	S	S	S
SEATS REAR:	FULL-FOLDING PASS-THROUGH	S	S	S
STORAGE BINS:	DUAL, DRIVER AND PASSENGER DOOR MAP POCKETS AND COIN HOLDER	S	S	S
	TRIP ODOMETER:	--	S	S
WARNING TONES:	HEADLAMPS-ON, KEY-IN-IGNITION	S	S	S
WIPER/ WASHER:	FIXED 2-SPEED	S	--	--
	FIXED INTERMITTENT	--	S	S

METRO

STANDARD EQUIPMENT SUMMARY

EXTERIOR

		COUPE BASE	COUPE LSi	SEDAN LSi
BUMPERS:	FRONT AND REAR, BODY-COLOR, PAINTED, 5 MPH	--	S	S
	FRONT AND REAR, MOLDED-IN-COLOR GRAY, 5 MPH	S	--	--
DOORS:	HANDLES, BLACK	S	S	S
HEADLAMPS:	COMPOSITE HALOGEN WITH INTEGRAL TURN SIGNAL	S	S	S
LAMPS:	DAYTIME RUNNING	S	S	S
MIRRORS:	DUAL OUTSIDE, LH AND RH MANUAL, BLACK	S	S	S
MOLDINGS:	BODY-SIDE, GRAPHITE GRAY	--	S	S
PILLAR:	CENTER, BLACK	S	S	S
TIRES:	P155/80R-13 ALL-SEASON STEEL-BELTED RADIAL BLACKWALL	S	S	S
	TEMPORARY COMPACT SPARE TIRE T115/70D-14	S	S	S
WHEELS:	13" WHEEL 7-SPOKE FULL PAINTED WHEEL COVER	--	S	S
	13" WHEEL 3-SPOKE FULL PAINTED WHEEL COVER	S	--	--

HATCHBACK COUPE MODEL 1MR08

MUST ORDER ONE GROUP - NO DELETIONS ALLOWED

	1SA	1SB	1SC
Preferred Equipment Group 1 (Refer Standard Equipment Summary)	x		
Preferred Equipment Group 2			
Floor Mats, Front and Rear, Carpeted		x	x
Moldings, Body-Side		x	x
Seat, Easy Entry Passenger		x	x
Preferred Equipment Group 3			
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: (MUST SPECIFY)
R6G	Air Conditioning Not Desired (N/A w/Group 1SC)
C60	Air Conditioning (Incl w/Group 1SC) w/1SC w/o 1SC
VK3	BRACKET: License Plate, Front
JM4	BRAKES: 4-Wheel Anti-Lock
	DEFOGGER: (MUST SPECIFY)
R9W	Rear Window Defogger Not Desired
C49	Rear Window Defogger
	EMISSIONS: (MUST SPECIFY) (Refer Emission Requirements Tab)
FE9	Federal Emission Requirements
NG1	Connecticut, Washington D.C., Delaware, Massachusetts, Maryland, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island or Virginia Emissions Requirements
YF5	California Emission Requirements
NB8	CA, CT, DC, DE, MA, MD, NH, NJ, NY, PA, RI or VA 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) w/1SB or 1SC w/o 1SB or 1SC
B84	MOLDINGS: Body-Side (Incl w/Groups 1SB or 1SC) w/1SB or 1SC w/o 1SB or 1SC
	RADIO EQUIPMENT: (MUST SPECIFY)
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 Disc Player, Digital Clock, and Four Speakers (Includes W8X Radio Provision)
U16	TACHOMETER: (Incls Trip Odometer)

BASE 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	Sport Cloth Bucket	
		GRAY
Exterior Paint Color	Color Code	Gray
Black Licorice	19U	x
Blue, Scuba (Met)	32U	x
Dark Green (Met)	35U	x
Red, Wildfire	74U	x
Silver (Met)	17U	x
White	16U	x

LSi HATCHBACK COUPE MODEL 1MR08

MUST ORDER ONE GROUP - NO DELETIONS ALLOWED

	1SD	1SE
Preferred Equipment Group 1 (Refer Standard Equipment Summary)	x	x
Preferred Equipment Group 2		
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		x

OPTIONS

ADDITIONAL OPTIONS

ACKNOWLEDGEMENTS:

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

AIR CONDITIONING: (MUST SPECIFY)

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

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

EMISSIONS: (MUST SPECIFY) (Refer Emission Requirements Tab)

- FE9** Federal Emission Requirements
- NG1** Connecticut, Washington D.C., Delaware, Massachusetts, Maryland, New Hampshire, New Jersey,
New York, Pennsylvania, Rhode Island or Virginia Emissions Requirements
- YF5** California Emission Requirements
- NB8** CA, CT, DC, DE, MA, MD, NH, NJ, NY, PA, RI or VA 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)
w/1SE
w/o 1SE

RADIO EQUIPMENT: (MUST SPECIFY)

- 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 Disc Player,
Digital Clock, and Four Speakers (Includes W8X Radio Provision)

- U16** **TACHOMETER**

TRANSMISSIONS: (MUST SPECIFY)

- 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
Dark Green (Met)		35U	x
Red, Wildfire		74U	x
Silver (Met)		17U	x
White		16U	x

LSi SEDAN MODEL 1MR69

MUST ORDER ONE GROUP - NO DELETIONS ALLOWED

	1SA	1SB
Preferred Equipment Group 1		
(Refer Standard Equipment Summary)	x	x
Preferred Equipment Group 2		
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: (MUST SPECIFY)**
- R6G Air Conditioning Not Desired (N/A w/Group 1SB)
 - C60 Air Conditioning (Incl w/Group 1SB)
w/1SB
w/o 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**
- DEFOGGER: (Must Specify)**
- R9W Rear Window Defogger Not Desired
 - C49 Rear Window Defogger
- DOOR LOCKS: Power**
- AU3
- EMISSIONS: (MUST SPECIFY) (Refer Emission Requirements Tab)**
- FE9 Federal Emission Requirements
 - NG1 Connecticut, Washington D.C., Delaware, Massachusetts, Maryland, New Hampshire, New Jersey,
New York, Pennsylvania, Rhode Island or Virginia Emissions Requirements
 - YF5 California Emission Requirements
 - NB8 CA, CT, DC, DE, MA, MD, NH, NJ, NY, PA, RI or VA Emission Override (Reqs FE9 Emissions)
 - NC7 Federal Emission Override (Reqs YF5 or NG1)
- FLOOR MATS: Front and Rear, Carpeted, Color-Keyed (Incl w/Group1SB)**
- B37 w/1SB
w/o 1SB
- POWER STEERING: (Incl w/Group 1SB)**
- N41 w/1SB
w/o 1SB
- RADIO EQUIPMENT: (MUST SPECIFY)**
- 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)
 - U16 TACHOMETER
- TRANSMISSION: (MUST SPECIFY)**
- 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
Dark Green (Met)	35U	x
Silver (Met)	17U	x
Red, Sunset (Met)	53U	x
White	16U	x

MOTOR VEHICLE MANUFACTURES SPECIFICATIONS

METRIC (U.S. Customary)

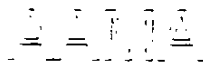
1999

Manufacturer SUZUKI MOTOR CORPORATION	Vehicle Line CHEVROLET METRO (sedan)	
Mailing Address HAMAMATSU-NISHI, P.O. BOX 1 432-8611, HAMAMATSU, JAPAN	Issued Apr. 25, 1998	Revised -July. 15, 1998

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.



American Automobile Manufacturers Association

Blank Forms Provided by Technical Affairs Division

Specifications

METRIC

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Note:

1. This form uses both SI Metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. 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.
4. Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

AAMA Specifications METRIC (U.S. Customary)	Vehicle Line	CHEVROLET METRO (sedan)			
	Model Year	1999	Issued	Apr.25.1998	Revised (*)

Power Teams
SAE J1349 Net bhp (brake horsepower) and Net Torque corrected to 77°F/25°C and 29.91 in. Hg/100 kPa atmospheric pressure.

		A	B	C	D	
E N G I N E	Engine Code	LY8	LY8			
	Displacement Liters (in. ³)	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			
T R A N S	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 (MT)	1MR69	A	
METRO 4-door Sedan (AT)	1MR69	B	
FIREFLY 4-door Sedan (MT)	1MR69	A	
FIREFLY 4-door Sedan (AT)	7MR69	B	

AAMA Specifications METRIC (U.S. Customary)	Vehicle Line	CHEVROLET METRO (sedan)			
	Model Year	1999	Issued	Apr.25,1998	Revised (●)

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

Vehicle Models				
Model Description & Drive (FWD / RWD / AWD / 4WD)*	Introduction Date	Make, vehicle Models, Series, Body Type (Mtr'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, 1998	1MR69	2/2	40 kg (88 lbs)
Firefly 1.3L 4 Door Sedan (FWD)	Late in July, 1998	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) Front		Gross Axle Weight Rating kg (lbs) Rear	
1.3L	1250	(2756)	650	(1433)	620	(1367)
		()		()		()

* 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 (sedan)
Model Year 1999 | Issued Apr. 25, 1998 | Revised (●) July. 15, 1998

Engine Description		1.3 L L4 (79 CID) EFI	
Engine Code		LY8 / LY8	
Engine - General			
Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, SOHC, DOHC, ov, 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 mm (0 in)	
Cylinder head material & mass kg. (lbs.)		Aluminum Alloy, 7.83 (17.3)	
Cylinder head volume cm ³ (inches ³)		25.5 (1.56)	
Cylinder liner material		Cast iron	
Head gasket thickness (compressed)		1.2 (0.05)	
Minimum combustion chamber total volume cm ³ (inches ³)		38.2 cm ³	
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 camber, etc.)	MT: Elastomeric Rubber AT: Elastomeric Rubber and Hydroelastic Elastomer	
	Added isolation (sub-frame, cross member, etc.)	None	
Total dressed engine mass (wt) drv***		MT: 81.0 kg (178.6 lbs) AT: 78.0 kg (172.0 lbs)	
Engine - Pistons			
Material & mass, g (weight, oz.) - piston only		Aluminum Alloy, 214 g (7.55oz)	
Engine - Camshaft			
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.

AAMA Specifications METRIC (U.S. Customary)	Vehicle Line	CHEVROLET METRO (sedan)			
	Model Year	1999	Issued	Apr.25.1998	Revised (●)

Engine Description		1.3L L4 (79 CID) EFI	
Engine Code		LY3 / LY3	
Engine - Valve System			
Hydraulic lifters (std., opt., n.a.)		N.A.	
Valves	Number intake / exhaust	8/8	
	Head O.D. intake / exhaust	29.2 / 25.1 mm (1.15 / 0.98in.)	
Engine - Connecting Rods			
Material & mass kg., (weight, lbs.)*		Forged steel 0.37 (0.82)	
Length (axes C/L to C/L)		120 mm (4.72in)	
Engine - Crankshaft			
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	
Engine - Lubrication System			
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 crcase, less filter-retail-L (qt.)		3.1 (3.3)	
Lubricant	Factory Fill	Viscosity (SAE No.)	5W-30
		Service Designation	SJ,GF-2
	User Recommended	Viscosity (SAE No.)	5W-30
		Service Designation	SJ,GF-2
Engine - Diesel Information			
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.	
Engine - Intake System			
Turbo charger - manufacturer		N.A.	
Super charger - manufacturer		N.A.	
Intercooler		N.A.	

* Finished State

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Vehicle Line CHEVROLET METRO (sedan)
 Model Year 1999 | Issued Apr.25.1998 Revised (•) July. 15. 1998

Engine Description		1.3 L L4 (79 CID) EFI
Engine Code		LY8 /LY9
Engine - Cooling System		
Coolant recovery system (std., opt., n.a.)		Std.
Coolant fill location (rad., bottle)		Bottle
Radiator cap relief valve pressure kPa (psi)		38.3 (12.9)
Circulation thermostat	Type (choke, bypass)	Bypass
	Starts to open at °C (°F)	38 (100)
Water pump	Type (centrifugal, other)	Centrifugal
	GMP 1000 pump rpm	↓
	Number of pumps	1
	Drive (V-belt, other)	V-Ribbed Belt
	Bearing type	Ball
	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 capacity - 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 race (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 MT:1.26, AT:1.97
	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.)
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 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 (sedan)
 Model Year 1999 | Issued Apr.25,1998 | Revised (•) July. 15, 1998

Engine Description		1.3 L L4 (79 CID) EFI
Engine Code		LY8 / LY3
Engine - Fuel System 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.)	Intake Manifold (4)
	Constant, pulse, flow	Pulse
	Control (electronic, mecn.)	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 mecn.)	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)
Fuel Tank		
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 till		N.A.

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METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (secan)

Model Year 1999 | Issued Apr. 25, 1998 | Revised (●) July 15, 1998

Engine Description		1.3 L L4 (79 CID) EFI		
Engine Code		LY8 / LY3		
Vehicle Emission Control				
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 (spacer, carburetor, manifold, other)	N.A.	
	Catalytic Converter	Type	Three way cat. Fed: JV3 Cal: JV9	
		Number of	Fed:1 Cal:2	
		Location(s)	Fed: Under floor Cal: Manifold & Under floor	
		Volume L (in. ³)	Fed: 1.0L(62in ³) Cal: 1st-0.80L(49in ³), 2nd-1.0L(62in ³)	
Substrate type		monolith, 62 cells / cm ²		
Noble metal type		JV8: Platinum&Palladium&Rhodium JV9: Platinum&Palladium&Rhodium, Platinum&Rhodium		
Noble metal concentration (g/cm ³)	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 - L	1.35		
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		
Engine - Exhaust System				
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	CD 38.1 - 1.2mm / CD 41.3 - 1.2mm		
	Material	Inner: stainless steel, Outer: Aluminum coated steel		
Intermediate pipe	o.d. & wall thickness	CD38.1-1.6mm		
	Material	Aluminum coated steel		
Tail pipe	o.d. & wall thickness	CD 38.1 - 1.2 mm		
	Material	Stainless steel		

AAMA Specifications	Vehicle Line	CHEVROLET METRO (sedan)		
METRIC (U.S. Customary)	Model Year	1999	Issued	Apr.25,1998
			Revised (*)	July 15, 1998

Engine Description		1.3 L L4 (79 CID) EFI
Engine Code		LY8 / LY9
Transmissions/Transaxle (Std., Opt., N.A.)		
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.
Manual Transmission/Transaxle		
Number of forward speeds		5
Gear ratios	1st	3.545
	2nd	1.894
	3rd	1.28
	4 th	0.914
	5 th	0.757
	6 th	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, 23.2 (62.2)
Lubricant	Capacity L (pt.)	2.4 (5.1)
	Type recommended	Gear oil GL-4
Clutch (Manual Transmission)		
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 (264.6)
	Released	75 (165.3)
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 matr. & 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 ² (in. ²)	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 i.u.o.		Automatic center adjusting type with grease lubrication
Torsional damping method, springs, hysteresis		Spring type

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

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Vehicle Line CHEVROLET METRO (sedan)
 Model Year 1999 | Issued Apr.25,1998 | Revised (●) July. 15, 1998

Engine Description		1.3 L L4 (79 CID) EFI	
Engine Code		LY8 / LY8	
Automatic Transmission/Transaxle			
Trace 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	
Gear ratios	Shift interlock (yes, no, describe)	Yes	
	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 : 60(37.3), 2-3 : 112(69.6)	
*Max. upshift engine speed RPM		1-2:5790, 2-3:5950	
Max. kickdown speed - drive range km/h (mph)		2-1 : 54(33.6), 3-2 : 105(65.9)	
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)	
All Wheel / 4 Wheel Drive			
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)	
	Factory Fill	Viscosity (SAE No.)	
	User Recommended	Service Designation	N.A.
		Viscosity (SAE No.)	N.A.
	Service Designation	Service Designation	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.

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Vehicle Line CHEVROLET METRO (sedan)

Model Year

1999

Issued

Apr.25,1998

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July, 15, 1998

Engine Description / Code		1.3 L L4 (79 CID) EFI		LY8 / LY3
Transmission		Manual 5 speed / Automatic 3 speed		
Axle Ratio and Tooth Combinations (See 'Power Teams' for axle ratio usage)				
Effective final drive ratio (or overall top gear ratio)		MT: 3.739, AT: 3.610 (0.980 x 3.584)		
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	
Front Drive Unit				
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 Lubricant	Capacity L (pt.)	MT: See Page 8, AT: See Page 9		
	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.	
Axle Shafts - Front Wheel Drive				
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.		
	Spline 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, 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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Vehicle Line CHEVROLET METRO (sedan)

Model Year 1999 | Issued Apr.25,1998 | Revised (●) July, 15, 1998

Model Code/Description and/or				
Engine Code/Description		LY9 / LY8	1.3 L L4 (79 CID) EFI	
Suspension - General Including Electronic Controls				
Car leveling	Standard/option/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.		
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	
Suspension - Front				
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, O.D. 24 mm		
Track bar (type)		N.A.		
Suspension - Rear				
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.)	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	N.A.	
Shackle (comp. or tens.)		N.A.		
Stabilizer	Type (link, linkless, frameless)	Link		
	Material & O.D. bar/tube, wall thickness	Steel, O.D. 18 mm		
Track bar (type)		None		

AAMA Specifications METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (sedan)

Model Year 1999 | Issued Apr.25,1998 | Revised (●) July. 15, 1998

Model Code/Description and/or Engine Code/Description		LY9 / LY3	1.3 L L4 (79 CID) EFI	
Brakes - Service				
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)	FINDEX	drum	
Valving type (proportion, delay, metering, other)		Proportion		
Power brake (std., opt., n.a.)		Std.		
Booster type (remote, integral, vac., hvd., etc.)		Vac.		
Vacuum	Source (inline, pump, etc.)	Inline(intake manifold)		
	Reservoir (volume in.³)	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, mecn.)	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., pwr., surg.)		Electronic		
Effective area cm² (in.²) * (F/R)		140/230 (21.7/35.7)		
Gross Lining area cm² (in.²) ** (F/R)		140/230 (21.7/35.7)		
Swept area cm² (in.²) *** (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	20.5 /29.5 (0.81 / 1.16)	
Pedal arc ratio		4.1:1		
Line pressure at 445 N (100 lb.) pedal load		9.5 x 10³ kPa (psi)		
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 (rivts/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.

AAMA Specifications

Vehicle Line CHEVROLET METRO (sedan)

METRIC (U.S. Customary)

Model Year 1999 | Issued Apr.25,1998 | Revised (●) July,15, 1998

Model Code/Description and/or Engine Code/Description		LY8 / LY3	1.3 L L4 (79 CID) EFI	
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.	

AAMA Specifications METRIC (U.S. Customary)	Vehicle Line	CHEVROLET METRO (sedan)			
	Model Year	1999	Issued	Apr.25,1998	Revised (●)

Model Code/Description, and/or				
Engine Code/Description		LY8 / LY8	1.3 L L4 (79 CID) EFI	
Steering				
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.)	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.)		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.

AAMA Specifications METRIC (U.S. Customary)	Vehicle Line	CHEVROLET METRO (secan)			
	Model Year	1999	Issued	Apr. 25, 1998	Revised (●)

Model Code/Description and/or Engine Code/Description		LY8 / LY9	1.3 L L4 (79 CID)	EFI
Wheel Alignment				
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.)	0.35 ± +/- 1 ±	
		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.				
Electrical - Instruments and Equipment				
Speed- meter	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 ² (in. ²)	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, malfunction indicator light, turn signal indicating light, Shift-up indicator (M/T only)		

AAMA Specifications
METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (sedan)

Model Year 1999 | Issued Apr.25.1998 | Revised (●) July, 15, 1998

Engine Code/Description		LY8/ LY8	1.3 L L4 (79 CID) EFI
Electrical - Supply System			
Battery	Manufacturer	DELCO REMY	
	Model, std., (opt.)	GP28-50S	
	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)	27A (750rpm)	
	Optional (type & rating)	None	
Regulator	Type	Integral with alternator	
Electrical - Starting System			
Motor	Manufacturer	MITSUBISHI ELECTRIC	
	Current drain _____ °C (°F)	200 A max	
	Power rating kw (hp)	MT : 0.9, AT : 1.2	
Motor drive	Engagement type Pinion engages from (front, rear)	MT : Positive snift solenoid, AT : Reduction Front	
Electrical - Ignition System			
Type	Electronic (std., opt., n.a.)	Electronic Spark advance, Std.	
	Other (specify)	High energy ignition	
Coil	Manufacturer	DIAMOND ELECTRIC MANUFACTURING CORPORATION	
	Model	33410-66D1	
	Current _____ Engine stopped - A Engine idling - A	0 1.5 A max.	
Spark plug	Manufacturer & Moce.	NGK DENSO N.A.	BKR6E-11 K20PR-U11 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	
Distributor	Manufacturer	N.A.	
	Model	N.A.	
Ignition Timing (Neutral)		5° BTDC	
Electrical - Suppression			
Locations & type		Spark plug with resister, High tension cord with resister	

AAMA Specifications

METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (sedan)

Model Year 1999 | Issued Apr.25.1998 | Revised (●) July.15. 1998

Model Code/Description			
Body			
Structure		Unitized frame	
Bumper system front - rear		Front: Polypropylene fascia and Glass-fiber reinforced energy absorbing polypropylene beam Rear: Same as Front	
Anti-corrosion treatment		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.	
Body - Miscellaneous Information			
Type of finish (lacquer, enamel, other)		Enamel	
Hood	Material & mass	Steel.10.7 (23.6)	
	Hinge location (front, rear)	Rear	
	Type (counterbalance, prop)	Prop	
	Release control (internal, external)	internal & external	
Trunk lid	Material & mass	Steel. 9.5	
	Type (counterbalance, other)	Torsion bars	
	Internal release control (elec., mech., n.a.)	Base: N.A. UP Grade: Mechn.	
Hatchback lid	Material & mass	N.A.	
	Type (counterbalance, other)	N.A.	
	Internal release control (elec., mech., n.a.)	N.A.	
Tailgate	Material & mass	N.A.	
	Type (drop, lift, door)	N.A.	
	Internal release control (elec., mech., n.a.)	N.A.	
Vent window control (crank, friction, pivot, power)	Front	N.A.	
	Rear	N.A.	
Window regulator type (cable, tape, flex drive, etc.)	Front	X arm	
	Rear	Cable	
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Bucket type, Steel pipe frame, Urethane mold	
	Rear	Bench type, Steel wire frame, Urethane mold	
	3rd seat	N.A.	
Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Bucket type, Steel pipe frame, Urethane mold	
	Rear	Bench. 50/50 type, Steel pipe frame, Urethane mold	
	3rd seat	N.A.	
Frame			
Type and description (separate frame, unitized frame, partially-unitized frame)		Unitized frame	

AAMA Specifications
METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (sedan)

Model Year 1999 | issued Apr. 25, 1998 | Revised (•) July 15, 1998

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

Glass	SAE Ref. No.	
Windshield glass exposed surface area cm ² (in. ²)	S1	8759 (1358)
Side glass exposed surface area cm ² (in. ²) - total 2 sides	S2	11248 (1743)
Backlight glass exposed surface area cm ² (in. ²)	S3	5289 (820)
Total glass exposed surface area cm ² (in. ²)	S4	25296 (3921)
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
METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (sedan)
Model Year 1999 | Issued Apr.25.1998 | Revised (●) July, 15, 1998

Engine Code/Description	LY8 / LY8	1.3 L L4 (79 CID) EFI
Climate Control System		
Air conditioning (std., opt., man., auto.)	Optional, Manual control	
Condenser	Type	Corrugated fin type
	Eff. face area (sq. mm.)	164000
	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.)	24990
	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, T/V/S, 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	

AAMA Specifications

METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (sedan)

Model Year 1999 | issued Apr.25,1998 | Revised (*) July.15, 1998

Model Code/Description -		
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.
	Tripmeter (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.

AAMA Specifications
METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (sedan)
 Model Year 1999 | Issued Apr.25.1998 | Revised (●) July 15, 1998

Model Code/Description			
Convenience Equipment (standard, optional, n.a.)			
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 Equipment	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	
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.

AAMA Specifications

METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (sedan)

Model Year 1999 | Issued Apr.25.1998 | Revised (*) July 15, 1998

Model Code/Description

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.	
Width		
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	W310	1804 (71.0)
Length		
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)
Height **		
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□
Ground Clearance **		
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.

AAMA Specifications

METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (sedan)

Model Year 1999 Issued Apr. 25, 1998 Revised (•) July 15, 1998

Vehicle Dimensions See Key Sheets for definitions

Model Code/Description	SAE Ref. No.	
Front Compartment		
SgRP front, "X" coordinate	L31	1850 (72.93)
Effective head room	H61	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)	L46	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	H67	30 (1.2)
Rear Compartment		
SgRP point couple distance	L50	735 (28.9)
Effective head room	H63	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	75.2°
Foot angle (degrees)	L47	117.8°
Depressed floor covering thickness	H73	20 (0.78)
Luggage Compartment		
Usable luggage capacity L (cu. ft.)	v1	292 (10.3)
Liftover height***	H195	712 (28.0)
Interior Volumes (EPA Classification)		
Vehicle class		subcompact
Interior volume index including trunk/cargo (cu. ft.)**		2561 (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

AAMA Specifications METRIC (U.S. Customary)	Vehicle Line	CHEVROLET METRO (secan)			
	Model Year	1999	Issued	-pr.25.1998	Revised (*)

Vehicle Dimensions See Key Sheets for definitions

Model Code/Description	SAE Ref. No.	
Station Wagon/MPV* -Third Seat		
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.
Station Wagon/MPV* - Cargo Space		
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 ³ (ft. ³)	V2	N.A.
Hidden cargo volume index m ³ (ft. ³)	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.
Hatchback - Cargo Space		
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 ³ (ft. ³)	V3	N.A.
Hidden cargo volume index m ³ (ft. ³)	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
METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (segan)
 Model Year 1999 | Issued Apr.25.1998 | Revised (*) July.15. 1998

Model Description	Code/	
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 inch)
***	H163**	757 mm (29.80 inch)
Rear	W22**	463 mm (18.2 in)
	L55**	3625 mm(142.7 in)
	H82**	159 mm (6.3 in)
	H162**	448 mm (17.64 inch)
	H164**	426 mm (16.77 inch)

* 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.



MOTOR VEHICLE MANUFACTURERS SPECIFICATIONS

METRIC (U.S. Customary)

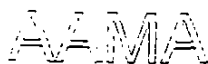
1999

Manufacturer SUZUKI MOTOR CORPORATION	Vehicle Line CHEVROLET METRO (hatchback)	
Mailing Address HAMAMATSU-NISHI, P.O. BOX 1 432-8611, HAMAMATSU, JAPAN	Issued Apr. 25, 1998	Revised July. 15, 1998

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.



American Automobile Manufacturers Association

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Specifications

METRIC

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Note:

1. This form uses both SI Metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. 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.
4. Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer

AAMA Specifications METRIC (U.S. Customary)	Vehicle Line	CHEVROLET METRO (hatchback)			
	Model Year	1999	Issued	Apr.25.1998	Revised (*)

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

Vehicle Models				
Model Description & Drive (FWD / RWD / AWD / 4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfg'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, 1998	1MR08	2/2	40 kg (88 lbs)
Firefly 1.0/1.3L 2 Door Hatchback (FWD)	Late in July, 1998	7MR08	2/2	40 kg (88 lbs)
EPA Fuel Economy Estimate (City/Hwy)		1.0L:M/T:41/47 1.3L:M/T:39/43, A/T:30/34		
Gross Vehicle Weight Rating kg (lbs)		Gross Axle Weight Rating kg (lbs) Front		Gross Axle Weight Rating kg (lbs) Rear
1.0L	1175 (2590)	635	(1400)	560 (1235)
1.3 L	1190 (2624)	650	(1433)	560 (1235)

* 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 (hatchback)			
	Model Year	1999	Issued	Apr.25,1998	Revised (●)

Power Teams

SAE J1349 Net bhp (brake horsepower) and Net Torque corrected to 77°F/25°C and 29.91 in. Hg/100 kPa atmospheric pressure.

		A	B	C	D	
E N G I N E	Engine Code	LP2	LY8	LY8		
	Displacement Liters (in. ³)	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		
T R A N S	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	1999	Issued	Apr.25.1998	Revised (●)

Engine Description		1.0L L3(61 CID) / 1.3L L4(79 CID)	EFI
Engine Code		LP2 / LY8	
Engine - General			
Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, SOHC, DOHC, conv. 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 (2.91in)	
Stroke		1.0L: 77mm(3.03in), 1.3L: 75.5mm(2.97in)	
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: 0mm (0in)	
Cylinder head material & mass kg. (lbs.)		Aluminum Alloy, 1.0L: 5.12 (11.3), 1.3L: 7.83 (17.3)	
Cylinder head volume cm ³ (inches ³)		1.0L: 30.2(1.94), 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 ³ (inches ³)		1.0L: 38.96 cm ³ , 1.3L: 38.2 cm ³	
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, cross member, etc.)	None	
Total dressed engine mass (wt) 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)	
Engine - Pistons			
Material & mass. g (weight, oz.) - piston only		Aluminum Alloy, 1.0L: 218 g (7.69oz), 1.3L: 214 g (7.55oz)	
Engine - Camshaft			
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.

AAMA Specifications METRIC (U.S. Customary)	Vehicle Line	CHEVROLET METRO (hatchback)			
	Model Year	1999	Issued	Apr.25,1998	Revised (●)

Engine Description		1.0L L3(61 CID) / 1.3L L4(79 CID) EFI		
Engine Code		LP2 / LY3		
Engine - Valve System				
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.)		
Engine - Connecting Rods				
Material & mass kg., (weight, lbs.)*		Forged steel 0.37 (0.82)		
Length (axes C/L to C/L)		120 mm (4.72in)		
Engine - Crankshaft				
Material & mass kg., (weight, lbs.)*		Nodular cast iron 1.0L: 6.55 (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		
Engine - Lubrication System				
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 oil case, less filter-refill-L (qt.)		3.1 (3.3)		
Lubn- 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	
Engine - Diesel Information				
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.		
Engine - Intake System				
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 (hatchback)

Model Year 1999 | Issued Apr.25.1998 | Revised (*) July. 15, 1998

Engine Description		1.0L L3(61 CID) / 1.3L L4(79 CID) EFI
Engine Code		LP2/LY8
Engine - Cooling System		
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 capacity - 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 race (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 (wt., lbs.)	Aluminum, 1.0L:1.26 1.3L: MT:1.26, AT:1.97
	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		20
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	290 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 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	1999 Issued Apr.25,1998 Revised (●) July 15, 1998
Engine Description		1.0L L3 (61 CID) / 1.3L L4 (79 CID) EFI	
Engine Code		LP27/LY8	
Engine - Fuel System 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. or 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)	
Fuel Tank			
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 nose (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)

Vehicle Line CHEVROLET METRO (hatchback)

Model Year 1999 Issued Apr.25,1998 Revised (●) July 15, 1998

Engine Description		1.0L L3 (61 CID) / 1.3L L4 (79 CID) EFI		
Engine Code		LP2 / LY8		
Vehicle Emission Control				
Exhaust Emission Control	Type (air injection, engine modifications, other)	1.0L: Fed: TB/TWC/HO2S/EGR Cal: TB/WU-TWC/TWC/HO2S/EGR, 1.3L: Fed: SF/TWC/HO2S Cal: SF/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: Fed:JV4 Cal:JV6 1.3L: Fed:JV8 Cal: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. ³)	1.0L: Fed:1.0L(62in ³) Cal:1st-0.46L(28in ³),2nd-1.0L(62in ³) 1.3L: Fed:1.0L(62in ³) Cal:1st-0.80L(49in ³),2nd-1.0L(62in ³)	
	Substrate type	monolith, 62 cells / cm ²		
		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 ³)		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)	1.0L: Intake Manifold 1.3L: Surge Tank		
	Air inlet (breather cap, other)	1.0L: Air cleaner 1.3L: Air cleaner outlethose		
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 Volume - L		YB413:95 YB4A4:35		
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		
Engine - Exhaust System				
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	CD 38.1 - 1.2mm / CD 41.3 - 1.2mm		
	Material	Inner: stainless steel, Outer: Aluminum coated steel		
Intermediate pipe	o.d. & wall thickness	CD38.1-1.6mm		
	Material	Aluminum coated steel		
Tail pipe	o.d. & wall thickness	CD 38.1 - 1.2 mm		
	Material	Stainless steel		

AAMA Specifications METRIC (U.S. Customary)	Vehicle Line	CHEVROLET METRO (hatchback)			
	Model Year	1999	Issued	Apr.25.1998	Revised (●)

Engine Description		1.0L L3 (61 CID) / 1.3L L4 (79 CID)	EFI
Engine Code		LP2 / LY8	
Transmissions/Transaxle (Std., Opt., N.A.)			
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.	
Manual Transmission/Transaxle			
Number of forward speeds		5	
Gear ratios	1st	1.0L:3.416, 1.3L:3.545.	
	2nd	1.894	
	3rd	1.28	
	4 th	0.914	
	5 th	0.757	
	6 th	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, 29.2 (62.2)	
Lubricant	Capacity L (pt.)	2.4 (5.1)	
	Type recommended	Gear oil GL-4	
Clutch (Manual Transmission)			
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 (264.6)	
	Released	75 (165.3)	
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 erf. area cm ² (in. ²)	1.0L: 132 (20.5), 1.3L: 147 (22.8)	
	Thickness (pressure plate side/fly 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/fly 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.

AAMA Specifications METRIC (U.S. Customary)	Vehicle Line	CHEVROLET METRO (hatchback)			
	Model Year	1999	Issued	Apr.25.1998	Revised (●)

Engine Description		1.0L L3 (61 CID) / 1.3L L4 (79 CID)		EFI
Engine Code		LP2 / LY8		
Automatic Transmission/Transaxle				
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 : 60(37.3), 2-3 : 112(69.6)		
Max. upshift engine speed RPM		1-2:5790, 2-3:5950		
Max. kickdown speed - drive range km/h (mph)		2-1 : 54(33.6), 3-2 : 106(65.9)		
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		
Capacity refill L (pt.)		4.9 (10.4)		
Lubricant 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)		
All Wheel / 4 Wheel Drive				
Description & type (2/4 shift while moving, chain/gear, etc.)		part-time, full-time, mechanical, elect.,	N.A.	
Transfer case		Manufacturer and model		
		Type and location		
Transfer Lubricant	Capacity	Liter (Pt)		
	Factory Fill	Viscosity (SAE No.)		
		Service Designation		
	User Recommended	Viscosity (SAE No.)		
		Service Designation		
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.

AAMA Specifications
METRIC (U.S. Customary)

Vehicle Line	CHEVROLET METRO (hatchback)		
Model Year	1999	Issued	Apr. 25, 1998
		Revised (●)	July 15, 1998

Engine Description / Code		1.0L L3 (61 CID) / 1.3L L4 (79 CID)		EFI	LP2 / LY8
Transmission		Manual 5 speed / Automatic 3 speed			
Axle Ratio and Tooth Combinations See Power Teams* for axle ratio usage!					
Effective final drive ratio (or overall tco gear ratio)		MT:1.0L: 4.388, 1.3L:3.739, 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		
Front Drive Unit					
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			
	Type recommended	MT: See Page 8, AT: See Page 9			
Differential Lubricant	Capacity L (pt.)	N.A.			
	Factory Fill	Viscosity (SAE No.)	N.A.		
User Recommended		Viscosity (SAE No.)	N.A.		
		Service Designation	N.A.		
Axle Shafts - Front Wheel Drive					
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	31.8x 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.			
	Spline 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, 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.

AAMA Specifications
METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (hatchback)

Model Year 1999 | Issued Apr.25,1998 | Revised (*) July, 15, 1998

Model Code/Description and/or				
Engine Code/Description		LP2 / LY8	1.0L L3 (61 CID) 1.3L L4 (79 CID) EFI	
Suspension - General Including Electronic Controls				
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 or 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	
Suspension - Front				
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.	
If Leaf, Shackie (comp. or tens.)		N.A.		
Stabilizer	Type (link, linkless, frameless)		Link	
	Material & O.D. bar/tube, wall thickness		Steel bar, O.D. 24 mm	
Track bar (type)		N.A.		
Suspension - Rear				
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 tens.)		N.A.		
Stabilizer	Type (link, linkless, frameless)		Link	
	Material & O.D. bar/tube, wall thickness		Steel , O.D. 18 mm	
Track bar (type)		None		

AAMA Specifications
METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (hatchback)
 Model Year 1999 | issued Apr. 25, 1998 | Revised (●) July 15, 1998

Model Code/Description and/or Engine Code/Description LP2 / LY3 1.0L L3 (61 CID) / 1.3L L4 (79 CID) EFI

Brakes - Service

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)	FINDEX 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. ³)	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, mecn.)	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., swr., strg.)		Electronic		
Effective area cm ² (in. ²) [*] (F/R)		140/172 (21.7/25.7)		
Gross Lining area cm ² (in. ²) ^{**} (F/R)		140/172 (21.7/25.7)		
Swept area cm ² (in. ²) ^{***} (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)]		9.6 x 10 ³		
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 (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)
		Size	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.

AAMA Specifications
METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (hatchback)
 Model Year 1999 | Issued Apr.25.1998 | Revised (●) July. 15. 1998

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

AAMA Specifications

METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (hatchback)

Model Year 1999 | Issued Apr.25.1998 | Revised (●) July 15, 1998

Model Code/Description and/or			
Engine Code/Description		LP2 / LY8 1.0L L3 (61 CID) / 1.3L L4 (79 CID) EFI	
Steering			
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 (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	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)	
	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 1999 | issued Apr.25.1998 | Revised (●) July. 15. 1998

Model Code/Description and/or
Engine Code/Description

LP2 / LY8 1.0L L3 (61 CID) / 1.3L L4 (79 CID) EFI

Wheel Alignment

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.)	0.35 ± 1
		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.

Electrical - Instruments and Equipment

Speed-meter	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 (upper grade model: + Intermittent)	
	Type (optional)	Intermittent	
	Blade length	Left: 500 mm Right: 475 mm	
	Swept area cm ² (in. ²)	6567 (1050)	
Windsniel 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, malfunction indicator light, turn signal indicating light, Shift-up indicator (M/T only)	

AAMA Specifications
METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (hatchback)
 Model Year 1999 | Issued Apr.25,1998 | Revised (●) July, 15, 1998

Engine Code/Description LP2/LY8 1.0L L3 (81 CID) / 1.3L L4 (79 CID) EFI

Electrical - Supply System

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/nrs.-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)	1.0L : 35A (850rpm), 1.3L : 27A (750rpm)
	Optional (type & rating)	None
Regulator	Type	Integral with alternator

Electrical - Starting System

Motor	Manufacturer	MITSUBISHI ELECTRIC
	Current drain _____ °C (°F)	200 A max
	Power rating kw (hp)	1.0L: 0.9, 1.3L: MT:0.9, AT: 1.2
Motor drive	Engagement type	1.0L: Positive shift solenoid, 1.3L: MT : Positive shift solenoid, AT : Reduction Front
	Pinion engages from (front, rear)	Front

Electrical - Ignition System

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: 33410-66D1	
	Current	Engine stopped - A	0
		Engine idling - A	1.5 A max.
Spark plug	Manufacturer & Model	NGK 1.0L BPR6ES-11 1.3L BKR6E-11 DENSO 1.0L W20EPR-U11 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	

Electrical - Suppression

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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AAMA Specifications
METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (hatchback)

Model Year 1999 | Issued Apr.25,1998 | Revised (●) July, 15, 1998

Model Code/Description		
Body		
Structure		Unitized frame
Bumper front - rear	system	Front: Polypropylene fascia and Glass-fiber reinforced energy absorbing polypropylene beam Rear: Same as Front
Anti-corrosion treatment		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.
Body - Miscellaneous Information		
Type of finish (lacquer, enamel, other)		Enamel
Hood	Material & mass	Steel, 10.7 (23.6)
	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Prop
	Release control (internal, external)	internal & external
Trunk lid	Material & mass	N.A.
	Type (counterbalance, other)	N.A.
	Internal release control (elec., mech., n.a.)	N.A.
Hatchback lid	Material & mass	Steel, 17.9 (with rear wiper):oct.
	Type (counterbalance, other)	Gas dumper stay
	Internal release control (elec., mech., n.a.)	Mech. (sel.)
Tailgate	Material & mass	N.A.
	Type (drop, lift, door)	N.A.
	Internal release control (elec., mech., n.a.)	N.A.
Vent window control (crank, friction, pivot, power)	Front	N.A.
	Rear	N.A.
Window regulator type (cable, tape, flex drive, etc.)	Front	X arm
	Rear	N.A.
Seat cushion type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Bucket type, Steel pipe frame, Urethane mold
	Rear	Bench type, Steel wire frame, Urethane mold
	3rd seat	N.A.
Seat back type (e.g., 60/40 bucket, bench, wire, foam, etc.)	Front	Bucket type, Steel pipe frame, Urethane mold
	Rear	Bench type, Steel pipe frame, Urethane mold
	3rd seat	N.A.
Frame		
Type and description (separate frame, unitized frame, partially-unitized frame)		Unitized frame

AAMA Specifications
METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (hatchback)

Model Year 1999 | Issued Apr.25,1998 | Revised (●) July, 15, 1998

Model Code/Description					
Restraint System					
Seating Position			Left	Center	Right
Active	Type & description	First seat	Lap and shoulder belt, ELR	N.A.	Lap and shoulder belt, ALR + ELR
	(lap & shoulder belt, lap belt, etc.)	Second seat	Lap and shoulder belt, ALR + ELR	N.A.	Lap and shoulder belt, ALR + ELR
	Standard / Optional	Third seat	N.A.	N.A.	N.A.
Passive	Type & description (air bag, motorized-2-point belt, fixed belt, knee bolster, manual-lap belt)	First seat	Air Bag	N.A.	Air Bag
	Standard / Optional	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 ² (in. ²)	S1	8759 (1358)
Side glass exposed surface area cm ² (in. ²) - total 2 sides	S2	10436 (1618)
Backlight glass exposed surface area cm ² (in. ²)	S3	4368 (677)
Total glass exposed surface area cm ² (in. ²)	S4	23563 (3652)
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 METRIC (U.S. Customary)	Vehicle Line	CHEVROLET METRO (hatchback)			
	Model Year	1999	Issued	Apr.25.1998	Revised (●)

Engine Code/Description	LP2 / LY3	1.0L L3 (61 CID) / 1.3L L4 (79 CID)	EFI
Climate Control System			
Air conditioning (std., opt., man., auto.)	Optional. Manual control		
Condenser	Type	Corrugated fin type	
	Eff. face area (sq. mm.)	164000	
	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.)	24990	
	Fins per inch	29	
Compressor	Type	Wobble	
	Displacement (cc.)	99.8	
	Manufacturer	SANDEN CORPORATION	
	A/C pulley ratio	1.2(YB415) 1.4(YB4A5)	
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		

AAMA Specifications METRIC (U.S. Customary)	Vehicle Line	CHEVROLET METRO (hatchback)			
	Model Year	1999	Issued	Apr.25.1998	Revised (●)

Model Code/Description -		
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.
	Trip/finder (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.

AAMA Specifications	Vehicle Line	CHEVROLET METRO (hatchback)		
METRIC (U.S. Customary)	Model Year	1999	Issued	Apr.25,1998
			Revised (●)	July, 15, 1998

Model Code/Description				
Convenience Equipment (standard, optional, n.a.)				
Power equipment	Deck lid (release, pull down)		N.A.	
	Door (manual, automatic, descrope system)	locks	N.A.	
	Seats	2 - 3 - 6 way, etc.		N.A.
		Reclining (R.H., L.H.)		N.A.
		Memory (R.H., L.H., preset recline)		N.A.
		Support (lumbar, nrg. inchn, 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 Equipment		N.A.		
Radio systems	Antenna (location, wind, windshield, power)	Left-front pillar, Whip		
	Standard		N.A.	
	Optional	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headone 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.

AAMA Specifications METRIC (U.S. Customary)	Vehicle Line	CHEVROLET METRO (hatchback)		
	Model Year	1999	Issued	Apr.25,1998 Revised (●) July 15, 1998

Model Code/Description	
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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.	
Width		
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)
Length		
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)
Height **		
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□
Ground Clearance **		
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.

AAMA Specifications METRIC (U.S. Customary)	Vehicle Line	CHEVROLET METRO (hatchback)			
	Model Year	1999	Issued	Apr.25.1998	Revised (●)

Vehicle Dimensions See Key Sheets for definitions

Model Code/Description	SAE Ref. No.	
Front Compartment		
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*	W9	385
Steering wheel angle (degrees)	H18	23□46'
Accel. heel pt. to steer. wnl. cntr.	L11	465
Accel. heel pt. to steer. wnl. cntr.	H17	631
Undepressed floor covering thickness	H67	30 (1.2)
Rear Compartment		
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)
Luggage Compartment		
*** Usable luggage capacity L (cu. ft.)	V1	N.A.
Liftover height	H195	688 (27.1)
Interior Volumes (EPA Classification)		
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

AAMA Specifications
METRIC (U.S. Customary)

Vehicle Line CHEVROLET METRO (hatchback)

Model Year 1999 | Issued Apr.25.1998 | Revised (●) July. 15. 1998

Vehicle Dimensions See Key Sheets for definitions

Model Code/Description	SAE Ref. No.	
Station Wagon/MPV* -Third Seat		
Seat facing direction	SD1	N.A.
SgRP couple distance	L35	N.A.
Shoulder room	H85	N.A.
Hip room	L86	N.A.
Effective leg room	L88	N.A.
Effective head room	H86	N.A.
SgRP to heel point	H87	N.A.
Knee clearance	L87	N.A.
Back angle (degrees)	L38	N.A.
Hip angle (degrees)	L89	N.A.
Knee angle (degrees)	L90	N.A.
Foot angle (degrees)	L91	N.A.
Station Wagon/MPV* - Cargo Space		
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 ³ (ft. ³)	V2	N.A.
Hidden cargo volume index m ³ (ft. ³)	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.
Hatchback - Cargo Space		
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	H198	421 (16.57)
Cargo volume index m ³ (ft. ³)	V3	636 L (22.5 cu-ft)
Hidden cargo volume index m ³ (ft. ³)	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)	Vehicle Line	CHEVROLET METRO (hatchback)			
	Model Year	1999	Issued	Apr.25.1998	Revised (●)

Model Description	Code/	
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)
	H161**	775 mm (30.51 inch)
	H163**	757 mm (29.80 inch)
Rear	W22**	463 mm (18.2 in)
	L55**	3260 mm (128.4 in)
	H82**	159 mm (6.3 in)
	H162**	432 mm (17.01 inch)
	H164**	410 mm (16.14 inch)

* 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.

AAMA Specifications

Vehicle Line CHEVROLET METRO (hatchback)

METRIC (U.S. Customary)

Model Year '999

Issued

April 25, 1998

Revised (•)

July 15, 1998

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	
1.0L Base	(kg) (lbs)	505 1113	320 705	825 1818	800 1764	2125				
	(kg) (lbs)									
1.3L LSi (M/T)	(kg) (lbs)	535 1179	325 716	860 1895	835 1841	2250				
1.3L LSi (A/T)	(kg) (lbs)	550 1213	325 716	875 1929	850 1874	2250				
	(kg) (lbs)									
	(kg) (lbs)									
	(kg) (lbs)									
	(kg) (lbs)									

* 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)