BUICK, 1978

Automobiles

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1978
mvma
Specifications Form

Passenger Car

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Manufacturer	Car Line	
Buick Motor Division General Motors Corporation	Century, Century Custom; Regal	
Mailing Address 905 E. Hamilton Avenue Flint, Michigan 48550	Model Year 1978	Issued 10-6-77
		Revised (•)

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

MVMA Specifications Form
Passenger Car

Car Line Century, Century Custom, Rega
Model Year 1978 Issued 10-6-77 Revise

MVMA Passe

Engine Description/Carb.	3.2L (196-2)	3.8L (231-2)

Drive Units—Clutch (Manual Transmission)

Make & type		Chevrolet Single Plate	
Type pressure plate springs		Bent Belleville	Flat Belleville
Total spring force		7,117	9,118 (lb)
No. of clutch driven discs		One	
Clutch facing	Material	Woven Asbestos	
	Manufacturer	Borg & Beck	
	Part Number	354498	468629
	Rivets/Plate	36	40
	Rivet size		(mm)
	Outside & inside dia.	232 - 155 (9.1-6.1)	263-165 (10.4-6.5) (mm)
	Total eff. area	234.04 (8.25)	329.26 (11.6) (cm²)
	Thickness	.305 (.120)	(mm)
	Engagement cushioning method	Wavespring	
Release bearing	Type & method of lubrication	Ball (prepacked)	
Torsional damping	Methods: springs, friction material	Coil spring, steel friction	

Drive Units—Transmissions

Manual 3-speed (std., opt., N.A.)	Std	N/A
Manual 4-speed (std., opt., N.A.)	N/A	Std
Manual 5-speed (std., opt., N.A.)	NA	
Manual overdrive (std., opt., N.A.)	NA	
Automatic (std., opt., N.A.)	Opt	Opt

Drive Units — Manual Trans.

Number of forward speeds		Three	Four
Transmission ratios	In first	3.504	3.504
	In second	1.895	2.480
	In third	1.000	1.655
	In fourth	NA	1.000
	In fifth	NA	NA
	In reverse	3.625	3.504
Synchronous meshing, specify gears		All forward	All forward
Shift lever location		Floor	Floor
Lubricant	Capacity (pt.)	1.48	(litres)
	Type recommended	Multipurpose	
	SAE viscosity number — Summer	80-90	
	SAE viscosity number — Winter	80	
	SAE viscosity number — Extreme cold	80	

MVMA Specifications Form
Passenger Car

Car Line Century,Century Custom,Regal ME
Model Year 1978 Issued 10-6-77

Body Type And/Or Engine Displacement	
Coupes and sedans	Wagons

Brakes — Service

Brake Type (std., opt., N.A.)	Drum	Front		NA	
		Rear		Std	
	Disc	Front		Std	
		Rear		NA	
Self adjusting (std., opt., N.A.)				Std	
Special Valving	Type (proportion, delay, metering, other)			Metering and proportioning	
Power Brake (std., opt., N.A.)				Opt	
Booster Type (remote, integral, etc.)				Vacuum	
Effective area *				624.21 (96.75)	(cm²)
Gross lining area **				671.16 (104.02)	(cm²)
Swept area ***				2017.41 (312.68)	(cm²)
Drum	Diameter (nominal)	Front		N.A.	(mm)
		Rear		240 (9.45)	(mm)
	Type and material			Finned CI or Alum (Wagon)	
Rotor	Outer working diameter			266.7 (10.5)	(mm)
	Inner working diameter			174.5 (6.87)	(mm)
	Thickness			25.4 (1.0)	(mm)
	Material & type (vented/solid)			C.I. Vented	
Wheel cylinder bore	Front			61.8 (2.43)	(mm)
	Rear			19 (.75)	(mm)
Master Cylinder	Bore			22.2 (Manual) (.87) 24 (Power) (.94)	(mm)
	Stroke			34.47mm (1.36) 33.33mm (1.31)	(mm)
Pedal arc ratio				168:1 (5.6:1) 85.4:1 (3.4:1)	
Line pressure at 445 N pedal force				Manual: 5.723 (834) Power: 9.653 (1400)	MPa
Shoe Clearance	Front			None	(mm)
	Rear			.76 (.03)	(mm)
Anti-skid device type (std., opt., N.A.)				N.A.	
Brake lining	Bonded or riveted, rivets/seg.			Riveted	
	Rivet size			Frt 5.33 x 9.63 (.20 x .38) Rear: 3.63x6.25 (.14x.25)	(mm)
	Manufacturer			Front: Delco Moraine Rear: Inland	
	Part number			Frt: 18002727, 18002726, 18002457, Rear: 18002223/26	
	Front Wheel	Material		Hybrid Semi-metallic	
		Size (length x width x thickness)	Prim. or outboard	125x46x7.84 (4.92x1.81x.308)	(mm)
			Second. or inboard	125x46x8.67 (4.92x1.81x.341)	(mm)
		Segments per shoe		One	
		Shoe thickness		Shoe & Lining: 13.72 (.54)	(mm)
	Rear Wheel	Material		Organic Organic	
		Size (length x width x thickness)	Prim. or outboard	190.75 x 50.8 x 4.83 (7.50 x 2.0 x .19)	(mm)
			Second or inboard	251.71 x 50.8 x 6.87 (9.90 x 2.0 x .27)	(mm)
		Segments per shoe		One	
		Shoe thickness		PRI: 6.99 (.275) Sec: 7.75 (.305)	(mm)

* 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 π/2 for each brake.)