

NEW FOR '64 from GENERAL MOTORS

FOUR OF GENERAL Motors' five auto-making divisions—Buick, Chevrolet, Pontiac and Oldsmobile—are offering cars for '64 based on the new A body, designed with a 115-in. wheelbase. Overall length varies between 194 and 203-in. overall length because of different bumpers and exterior sheet metal.

The frame is a perimeter type, reinforced by welded torque boxes at each corner. It is supported by a 4-link rear coil spring suspension with live axle while the common short-and-long arm, with coils and concentric shock absorbers, is utilized at the front. Minor detail differences, primarily in steering linkage, can be found among the four car lines, but extended-interval lubrication and rubber-bushed upper control arms are shared throughout. Spring rates throughout are quite soft. Body mounting to the chassis is by rubber biscuits, or sandwiches, for increased isolation of sound and shake.

Trim details, styling nuances, and some small amount of exterior sheet metal all differ among the four makes, but all share curved side windows and,

on the 4-door sedans, a concave rear window line. Convertibles have a convex boot opening which gives the rear window a similar concave appearance when erected. Wheels are all 14 in., mounted on 9.5-in. brake drums, and track is 58 in.

Power trains for this car are shown in the engine/transmission chart below.

All of this means there's more interchangeability, and no doubt a higher production rate, which will probably reflect in a lower unit price, or more vehicle for a given price. More details follow, in the articles on each division. (No Cadillac details are given because its release date falls after this issue of *Car Life* goes on sale.) ■

ENGINES						
Cyl.	Arrangement	Cu.in./bhp	Used in	Made by		
6	ohv, il	194/120	Chevelle	Chevrolet		
6	ohv, il	215/140	Tempest	Chevrolet		
6	ohv, il	230/155	Chevelle	Chevrolet		
6	90° V	225/155	F-85, Special	Buick		
8	90° V	283/195 (220)	Chevelle	Chevrolet		
8	90° V	300/210 (250)	Special	Buick		
8	90° V	326/260	Tempest	Pontiac		
8	90° V	330/210 (260)	F-85	Oldsmobile		

TRANSMISSIONS						
Type	Ratios, 4th	3rd	2nd	1st	t.c.	Use
Manual	—	1.00	1.48	2.58	—	Special, F-85, Tempest V-8, Chevelle V-8
Manual	—	1.00	1.68	2.94	—	Chevelle 6, Tempest 6
Manual	1.00	1.48	1.91	2.56	—	Chevelle V-8, Tempest V-8
Automatic	—	—	1.00	1.765	2.7	Special, F-85, Tempest V-8
Automatic	—	—	1.00	1.82	2.4	Chevelle, Tempest 6

COMMON FRAME and body shell for all four intermediate car lines is readily seen in this phantom view of the Chevelle. Engine and transmission interchangeability is also evident among the four.

