

CORVETTE 427

CHECK LIST

Manufacturer: Chevrolet Motor Division
General Motors Corporation
Detroit, Mich.

Number of dealers in U.S.: 6600

Vehicle type: Front-engine, rear-wheel-drive,
2-passenger sports/GT car, all-
steel ladder frame with fiberglass
reinforced plastic body

Price as tested: \$5900.15

(Manufacturer's suggested retail price, plus
options listed below, Federal excise tax,
dealer preparation and delivery charges;
does not include state and local taxes,
license or freight charges)

Options on test car: High-performance 427 cu.
in. engine with 3 x 2-bbl. carburetion
(\$437.10), aluminum cylinder heads
(\$368.65), tinted glass (\$15.80), electric
windows (\$57.95), limited-slip differential
(\$42.15), shoulder harnesses (\$26.35),
power brakes (\$42.15), transistor ignition
(\$73.75), four-speed manual transmission
(\$184.35), power steering (\$94.80), AM/FM
radio (\$172.75), 7.75-15 red stripe tires
(\$31.35)

ENGINE
Type: Water-cooled V-8, cast iron block,
aluminum cylinder heads, 5 main bearings
Bore x stroke... 4.25 x 3.76 in, 108 x 95.5 mm
Displacement... 427 cu in, 6994 cc
Compression ratio... 11.0 to one
Carburetion... 3 x 2-bbl. Holley
Valve gear... Pushrod-operated overhead
valves, mechanical lifters
Power (SAE)... 435 bhp @ 5800 rpm
Torque (SAE)... 460 lbs/ft @ 4000 rpm
Specific power output... 1.02 bhp/cu in,
62.2 bhp/liter
Max. recommended engine speed... 6500 rpm

DRIVE TRAIN
Transmission... 4-speed manual, all-synchro
Clutch diameter... 11.0 in
Final drive ratio... 3.55 to one

Gear Ratio	Mph/1000 rpm	Max. test speed
I	2.20	9.9 64 mph (6500 rpm)
II	1.64	13.3 86 mph (6500 rpm)
III	1.27	17.2 112 mph (6500 rpm)
IV	1.00	21.8 142 mph (6500 rpm)

DIMENSIONS AND CAPACITIES
Wheelbase... 98.0 in
Track... F: 57.6 in, R: 58.3 in
Length... 175.1 in
Width... 69.6 in
Height... 49.6 in
Ground clearance... 5.0 in
Curb weight... 3137 lbs
Test weight... 3563 lbs
Weight distribution, F/R... 46/54%
Lbs/bhp (test weight)... 8.2
Battery capacity... 12 volts, 61 amp/hr
Alternator capacity... 288 watts
Fuel capacity... 20.0 gal
Oil capacity... 6.0 qts
Water capacity... 23.0 qts

SUSPENSION
F: Ind., unequal-length wishbones, coil springs,
0.875-in anti-sway bar
R: Ind., drive shafts acting as upper links,
lower lateral links, single trailing arms,
transverse leaf spring

STEERING

Type... Recirculating ball
Turns lock-to-lock... 3.0
Turning circle... 40 ft

BRAKES

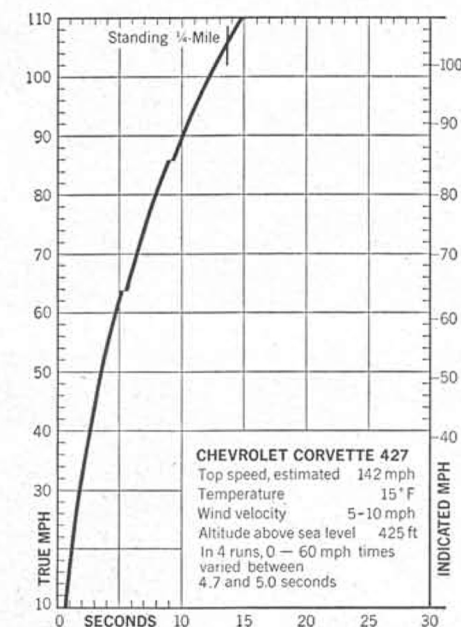
F: 11.75 x 1.25-in Delco-Moraine vented discs
R: 11.75 x 1.25-in Delco-Moraine vented discs
with integral drum parking brake
Sweep area... 461.2 sq in

WHEELS AND TIRES

Wheel size and type... 6.0JK x 15-in,
stamped steel, 5-bolt
Tire make, size and type... Firestone 7.75-15
Speedway 500, two-ply nylon tubeless
Test inflation pressures... F: 24 psi, R: 24 psi
Tire load rating... 1270 lbs per tire @ 24 psi

PERFORMANCE

Zero to	Seconds
30 mph	2.0
40 mph	2.6
50 mph	3.5
60 mph	4.7
70 mph	6.4
80 mph	8.0
90 mph	10.1
100 mph	12.3
Standing 1/4-mile	13.6 sec @ 105 mph
80.0 mph	257 ft (.83 G)
Fuel mileage	9-13 mpg on premium fuel
Cruising range	180-260 mi



ENGINE

Starting... Very Good
Response... Excellent
Vibration... Excellent
Noise... Good

DRIVE TRAIN

Shift linkage... Excellent
Synchro action... Excellent
Clutch smoothness... Excellent
Drive train noise... Good

STEERING

Effort... Very Good
Response... Very Good
Road Feel... Good
Kickback... Very Good

SUSPENSION

Ride Comfort... Very Good
Roll resistance... Good
Pitch control... Good
Harshness control... Good

HANDLING

Directional control... Very Good
Predictability... Very Good
Evasive maneuverability... Very Good
Resistance to sidewinds... Very Good

BRAKES

Pedal pressure... Excellent
Response... Excellent
Fade resistance... Excellent
Directional stability... Excellent

CONTROLS

Wheel position... Fair
Pedal position... Good
Gearshift position... Good
Relationship... Good
Small controls... Good

INTERIOR

Ease of entry/exit... Good
Noise level (cruising)... Good
Front seating comfort... Good
Front leg room... Fair
Front head room... Good
Front hip/shoulder room... Good
Rear seating comfort... —
Rear leg room... —
Rear head room... —
Rear hip/shoulder room... —
Instrument comprehensiveness... Excellent
Instrument legibility... Excellent

VISION

Forward... Good
Front quarter... Good
Side... Good
Rear quarter... Fair
Rear... Fair

WEATHER PROTECTION

Heater/defroster... Excellent
Ventilation... Good
Weather sealing... Very Good

CONSTRUCTION QUALITY

Fiberglass... Very Good
Paint... Very Good
Chrome... Very Good
Upholstery... Good
Padding... Very Good
Hardware... Good

GENERAL

Headlight illumination... Very Good
Parking and signal lights... Good
Wiper effectiveness... Very Good
Service accessibility... Very Good
Trunk space... Poor
Interior storage space... Fair
Bumper protection... Good

