

GENERAL MOTORS

GMC COOLING SYSTEM CAPACITY

Application	① Quarts
1965	
153"	
P1000.....	8.3
"G" Models.....	9.5
230"	
"C" Models.....	11
"G" Models.....	12
P1000.....	14
K1000.....	32
K1500/2500.....	34
305".....	32
1966	
230"	
"C" Models.....	11
"G" Models.....	12
"P" Models.....	14
"K" Models.....	32
305"	
1000 Series.....	32
1500/2500 Series.....	34
1967	
159" Diesel.....	14
230", 250" & 292"	
P1500.....	10
All 292" Auto. Trans.....	12.5
All Others.....	12
305".....	② 30.5
351".....	② 29
283".....	③ 17
327"	
1500 Series.....	17.5
2500/3500 Series.....	16
1968	
159" Diesel.....	22
230".....	11
250" & 292"	
P1500 Man. Trans.....	12
P2500/3500.....	13
G1500/2500.....	13.5
All Others.....	12.5
305".....	② 31.5
351".....	② 30
307"	
"G" Models.....	10
C1500.....	16.5
K1500/2500.....	17.5
All Others.....	17
327"	
K1500.....	18
K2500.....	16.5
All Others.....	③ 16
396".....	④ 23
1969	
230".....	11
250" & 292"	
P1500 Man. Trans.....	12
P2500/3500.....	13
G1500/2500.....	12
All Others.....	12.5
305".....	② 31.5

GMC COOLING SYSTEM CAPACITY (Cont.)

Application	① Quarts
1969 (Cont.)	
307"	
C1500 Man. Trans.....	16.5
K1500/2500.....	17.5
All Others.....	17
350"	
K1500.....	18
K2500.....	16.5
All Others.....	③ 16
396".....	④ 23
1970	
250"	
"G" Models.....	12
P1500.....	11
P2500/3500.....	12
All Others.....	11.5
292"	
P2500/3500.....	12
All Others.....	⑤ 11.5
307"	
C1500 Man. Trans.....	16.5
K1500/2500.....	17.5
All Others.....	17
350"	
K1500.....	18
K2500.....	16.5
All Others.....	③ 16
400".....	④ 23
1971	
250"	
"G" Models.....	④ 12
"C" & "K" Models	
Man. Trans.....	④ 11.3
Auto. Trans.....	④ 11.8
P1500.....	④ 11.5
P2500/3500	
Man. Trans.....	④ 11.5
Auto. Trans.....	④ 12.5
292"	
"C" & "K" Models	
Man. Trans.....	④ 11.5
Auto. Trans.....	④ 12.5
P2500/3500	
Man. Trans.....	④ 12
Auto. Trans.....	④ 13
307"	
"C" & "K" Models	
Man. Trans.....	④ 15
Auto. Trans.....	④ 15.5
"P" Models	
Man. Trans.....	④ 17.7
Auto. Trans.....	④ 18.2
350"	
"C" & "K" Models	
Man. Trans.....	④ 15
Auto. Trans.....	④ 15.5
"P" Models.....	④ 18.1
402"	
Man. Trans.....	④ 22.2
Auto. Trans.....	④ 23.7

Engine Cooling Systems

GENERAL MOTORS (Cont.)

GMC COOLING SYSTEM CAPACITY (Cont.)

Application	① Quarts
1972	
250"	
"G" Models.....	12
P1500.....	12
P2500/3500.....	12.5
"C" & "K" Models	
Man. Trans.	12.2
Auto. Trans. or Heavy Duty Rad.	12.5
292"	
"C" & "K" Models	⑦ 12.7
P2500/3500.....	13.1
307"	
"G" Models.....	⑩ 16
"C" Models	
Man. Trans.	⑦ 15.8
Auto. Trans.	⑦ 16.3
"K" Models	
Man. Trans. or Heavy Duty Rad.	16.1
Auto. Trans. or Air Cond.	16.5
P1500/2500	
Man. Trans.	⑦ 18.7
Auto. Trans.	⑦ 19.2
350"	
C1500	
Man. Trans.	⑧ 15.8
Auto. Trans. or Heavy Duty Rad.	⑧ 16.2
C2500/3500	
Man. Trans.	16.2
Auto. Trans. or Air Cond.	17.7
Heavy Duty Rad.	18.2
"K" Models	
Man. Trans. or Heavy Duty Rad.	16.5
Auto. Trans. or Air Cond.	17.9
P2500/3500	
Man. Trans. or Air Cond.	16.9
Auto. Trans. or Heavy Duty Rad.	18.5
402"	
Man. Trans. or Heavy Duty Rad.	18.5
Auto. Trans. or Air Cond.	21
1973-74	
250"	
"G" Models.....	12
"C" & "K" Models	
Man. Trans.	12.2
Auto. Trans. & Heavy Duty Rad.	12.5
P1500.....	12
P2500/3500.....	12.5
292"	
"C" & "K" Models	⑦ 12.7
P2500/3500.....	13.1
307"	
"G" Models.....	⑩ 15
"C" Models	
Man. Trans.	15.8
Auto. Trans. or Heavy Duty Rad.	16.2

GMC COOLING SYSTEM CAPACITY (Cont.)

Application	① Quarts
1973-74 (Cont.)	
"K" Models	
Man. Trans. or Heavy Duty Rad.	16.1
Auto. Trans.	16.5
"P" Models	
Man. Trans.	18.7
Auto. Trans. or Air Cond.	19.1
350"	
"G" Models.....	⑩ 15
C1500	
Man. Trans.	⑧ 15.8
Auto. Trans. & Heavy Duty Rad.	⑩ 16.2
C2500/3500	
Man. Trans.	⑫ 16.2
Auto. Trans. & Air Cond.	⑧ 17.7
"K" Models	
Man. Trans. & Heavy Duty Rad.	16.5
Auto. Trans. & Air Cond.	17.9
"P" Models.....	
	⑬ 16.9
454"	
Man. Trans. & Heavy Duty Rad.	18.5
Auto. Trans. & Air Cond.	21
455"	
Motor Home	21

- ① — W/Heater add one qt. W/Heavy Duty radiator add one qt.
- ② — W/Auto. Trans. add .5 qt.
- ③ — W/Heavy duty radiator add 1.5 qt.
- ④ — W/Auto. Trans. add 1.5 qt.
- ⑤ — W/Auto. Trans. add one qt.
- ⑥ — W/Air Cond. add one qt.
- ⑦ — W/Heavy duty radiator add .5 qt.
- ⑧ — W/Air Cond. add two qts.
- ⑨ — W/Air Cond. add 1.5 qt.
- ⑩ — W/Air Cond. add three qts.
- ⑪ — W/Air Cond. add .5 qt.
- ⑫ — W/Heavy duty radiator add two qts.

CHEVROLET COOLING SYSTEM CAPACITY

Application	① Quarts
1965	
153"	
G10.....	9.5
P10.....	8.3
194".....	12
230"	
"P" Models.....	14
"C" & "K" Models	
Man. Trans.	② 11
Man. Trans. Heavy Duty	12

GENERAL MOTORS (Cont.)

CHEVROLET COOLING SYSTEM CAPACITY (Cont.)	
Application	① Quarts
1965 (Cont.)	
292"	
Man. Trans.	③ 13
Man. Trans. Heavy Duty	13.5
283"	
Man. Trans.	④ 14
Man. Trans. Heavy Duty	15.5
1966	
194"	12
230" & 250"	
C10/30 & K10/20	
Man. Trans.	④ 12
Man. Trans. Heavy Duty	13
292"	
C10/30 & K10/20	
Man. Trans.	③ 13.5
Man. Trans. Heavy Duty (C10 & K10)	14
Man. Trans. Heavy Duty (C20/30 & K20)	15
283" & 327"	
Man. Trans.	④ 14
Man. Trans. Heavy Duty	15.5
1967	
159" Diesel	8
194"	12
230" & 250"	
P10	10
All Others	12
292"	
P20/30 & All Auto. Trans.	12.5
All Others Man. Trans.	12
283"	② 17
327"	
10 Series	17.5
20/30 Series	16
1968	
159" Diesel	8
230" & 250"	
P10	10
All Others	12
292"	
C10/20 Auto. Trans.	12.5
P20/30	12.5
All Others	12
307"	
"G" Models	17
All Others	18
327" & 396"	
"C" Models	17
All Others	17.5
1969	
159" Diesel	8
230"	
"G" Models	12
P10	10
250"	
"C" & "K" Models	11.5
"G" Models	12.5
P10	11
P20/30	12

CHEVROLET COOLING SYSTEM CAPACITY (Cont.)	
Application	① Quarts
1969 (Cont.)	
292"	
C10/20 & K10/20	② 11.5
All Others	12
307"	
C10	16.5
"K" Models	17.5
"G" Models	18
All Others	17
350"	
"C" Models	17.5
P20/30	16
K10	18
K20	16.5
396"	④ 23
1970	
159" Diesel	8
250"	
"G" Models	12
"C" & "K" Models	11.5
P10	10
P20/30	12
292"	
P20/30	12
All Others	11.5
307"	
K10/20	17.5
C10 Man. Trans.	16.5
All Others	17
350"	
"G" Models	17
"C" & "P" Models	16
K10	18
K20	16.5
400"	④ 23
1971	
250"	
"G" Models	12
"C" & "K" Models	
Man. Trans.	11.2
Auto. Trans.	11.9
P10	11.5
P20/30	③ 11.5
292"	
"C" & "K" Models	
Man. Trans.	11.6
Auto. Trans.	12.3
P20/30	② 12.1
307"	
"C" Models	③ 14.8
"K" Models	③ 15.1
"P" Models	③ 17.7
350"	
"C" & "K" Models	③ 15.1
"P" Models	18.1
402"	
"C" Models	④ 22.2

Engine Cooling Systems

GENERAL MOTORS (Cont.)

CHEVROLET COOLING SYSTEM CAPACITY (Cont.)

Application	① Quarts
1972	
250"	
"G" Models & P10	12
P20/30	12.5
"C" & "K" Models	
Man. Trans.	12.2
Auto. Trans. or Heavy Duty Rad.	12.5
292"	
P20/30	13.1
"C" & "K" Models	12.5
307"	
"G" Models	③ 16
"C" Models	
Man. Trans.	15.8
Auto. Trans. or Heavy Duty Rad.	16.2
"K" Models	
Man. Trans. or Heavy Duty Rad.	16.1
Auto. Trans. or Air Cond.	16.5
"P" Models	
Man. Trans.	18.7
Auto. Trans. or Heavy Duty Rad.	19.1
350"	
C10	
Man. Trans.	15.8
Auto. Trans. or Heavy Duty Rad.	16.2
Air Cond.	17.7
C20/30	
Man. Trans.	16.2
Auto. Trans. or Air Cond.	17.7
Heavy Duty Rad.	18.2
"K" Models	
Man. Trans. or Heavy Duty Rad.	16.5
Auto. Trans. or Air Cond.	17.9
P20/30	
Man. Trans. or Air Cond.	16.9
Auto. Trans. or Heavy Duty Rad.	18.5
402"	
Man. Trans. or Heavy Duty Rad.	18.5
Auto. Trans. or Air Cond.	21
1973-74	
250"	
"G" Models	12
"C" & "K" Models	
Man. Trans.	12.2
Auto. Trans. & Heavy Duty Rad.	12.5
P10	12
P20/30	12.5
292"	
"C" & "K" Models	12.5
P20/30	13.1
307"	
"G" Models	③ 15
"C" Models	
Man. Trans.	15.8
Auto. Trans. or Heavy Duty Rad.	16.2
"K" Models	
Man. Trans. or Heavy Duty Rad.	16.1
Auto. Trans.	16.5
"P" Models	
Man. Trans.	18.7
Auto. Trans. or Air Cond.	19.1

CHEVROLET COOLING SYSTEM CAPACITY (Cont.)

Application	① Quarts
1973-74 (Cont.)	
350"	
"G" Models	③ 15
C10	
Man. Trans.	15.8
Auto. Trans. & Heavy Duty Rad.	16.2
Air Cond.	17.7
C20/30	
Man. Trans.	16.2
Auto. Trans. & Air Cond.	17.7
Heavy Duty Rad.	18.2
"K" Models	
Man. Trans. & Heavy Duty Rad.	16.5
Auto. Trans. & Air Cond.	17.9
"P" Models	16.9
454"	
Man. Trans. & Heavy Duty Rad.	18.5
Auto. Trans. & Air Cond.	21
455"	
Motor Home	21
① - W/Heater, heavy duty radiator or air conditioning add one qt.	
② - W/Auto. Trans. add one qt.	
③ - W/Auto. Trans. add .5 qt.	
④ - W/Auto. Trans. add 1.5 qt.	
⑤ - W/Air Conditioning add two qts.	
⑥ - W/Heavy duty radiator add 1.5 qt.	

GMC PRESSURE CAP

Application	PSI
"G" MODELS	
1965	
4 Cyl.	13
6 Cyl.	15
1966-67	
Man. Trans.	13
Auto. Trans.	15
1968	
All Series	15
1969	
All Series	13
1970-74	
All Series	15
ALL OTHER MODELS	
1965-66	
1000/2500 Series	13
3500 Series	7
1967	
P2500/3500	7
All Others	13
1968-70	
W/Air Cond., Heavy Duty Rad. or 396"	15
All Others	13
1971-74	
All Models	15

GENERAL MOTORS (Cont.)

CHEVROLET PRESSURE CAP

Application "G" MODELS	PSI
1965	
4 Cyl.	13
6 Cyl.	15
1966-67	
Man. Trans.	13
Auto. Trans.	15
1968	
All Series.....	15
1969	
All Series.....	13
1970-74	
All Series.....	15
ALL OTHER MODELS	
1965-66	
P10/30 W/230" & 250".....	7
All Others	13
1967	
W/Air Cond.	15
W/O Air Cond.	13
1968-69	
W/Air Cond., Heavy Duty Rad. or 396".....	15
All Others	13
1970	
W/Air Cond. & 400".....	15
All Others	13
1971-74	
All Models.....	15

CHEVROLET THERMOSTAT

Application "G" MODELS	① Rating °F
1965-66	
All Series.....	180
1967	
W/A.I.R.	195
W/O A.I.R.	180
1968-74	
All Series.....	195
ALL OTHER MODELS	
1965-66	
All Models.....	180
1967	
W/A.I.R. or 6 Cyl.	195
All Others	180
1968	
W/Smog Equip. or 6 Cyl.	195
All Others	180
1969-72	
All Models.....	195
1973-74	
C20/30 W/292" or 454" (Calif. Only).....	180
All Others	195

① — Thermostat should be full open at 25°F above stamped rating and fully closed at 10°F below stamped rating.

GMC THERMOSTAT

Application "G" Models	① Rating °F
1965	
All Series.....	180
1966-67	
W/A.I.R.	195
W/O A.I.R.	180
1968-74	
All Series.....	195
ALL OTHER MODELS	
1965-66	
Diesel Engine	175
All Others	180
1967-68	
W/A.I.R. or CCS.....	195
W/O A.I.R. or CCS	180
1969-72	
All Models.....	195
1973-74	
C2500/3500 W/292" or 454" (Calif. Only).....	180
All Others	195

① — Thermostat should be full open at 25°F above stamped rating and fully closed at 10°F below stamped rating.

WATER PUMP

1965-74 ALL MODELS

Removal — Drain cooling system and loosen fan pulley bolts. Disconnect heater hose, lower radiator hose and by-pass hose at water pump. Loosen alternator and remove drive belt. Remove fan bolts, fan and pulley. **NOTE** — *Thermostatic fan clutches must be supported so clutch disc remains in a vertical plane to prevent silicone fluid leakage.* Remove water pump attaching bolts and water pump assembly. **CAUTION** — *On 6 cylinder engines, pull pump straight out of block to avoid damaging impeller.*

Installation — Clean gasket surfaces, install new hoses (as required) and gaskets. Reverse removal procedure, tighten bolts, adjust drive belt tension and refill cooling system.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs.
Water Pump Attaching Bolts	
1965-66	
4 Cyl. & 6 Cyl.	13-17
V8	25-35
1967-69	
6 Cyl.	15
V8	30
1970-74	
6 Cyl.	INCH Lbs. 15
V8	30