

# Engine Cooling Systems

## ENGINE COOLANT CAPACITIES (Cont.)

### GENERAL MOTORS (Cont.)

#### PONTIAC

#### CAPACITY (Qts.)

Application	Standard	With A/C	Application	Standard	With A/C
Astre			Lemans		
140" 4 Cyl. ....	8.9	8.9	231" V6 .....	14.6	14.6
151" 4 Cyl. ....	11.2	11.2	301" V8 .....	20.2	①20.2
Sunbird			350"R V8 .....	16.7	②16.7
140" 4 Cyl. ....	9.0	9.0	350"P V8 .....	21.4	③22.0
151" 4 Cyl. ....	12.5	12.5	400" V8 .....	21.4	④22.0
231" V6 .....	12.9	13.3	403" V8 .....	17.9	⑤17.9
Ventura			Grand Prix		
151" 4 Cyl. ....	12.4	12.4	301" V8 .....	20.5	①20.5
231" V6 .....	13.8	13.8	350"R V8 .....	17.0	②17.0
301" V8			350"P V8 .....	21.6	③22.1
(Man. Trans.) .....	19.6	20.3	400" V8 .....	21.6	④22.1
301" V8			403" V8 .....	18.2	⑤18.2
(Auto. Trans.) .....	19.5	20.2	Catalina, Bonneville & Safari		
350" V8 .....	16.6	16.6	231" V6 .....	12.9	12.9
Firebird			301" V8 .....	18.6	①18.6
231" V6 .....	13.2	13.2	350" V8 .....	15.0	②15.0
301" V8			403" V8 .....	16.1	③16.1
(Man. Trans.) .....	19.2	①19.5			
301" V8			① — With Hvy. Duty Cooling add .5 Qts.		
(Auto. Trans.) .....	19.1	20.0	② — With Hvy. Duty Cooling add 2.2 Qts.		
350" V8 .....	15.6	②③④16.4	③ — 20.3 Qts. Standard With VIN Code No. P.		
400" V8			④ — 23.0 With Hvy. Duty Cooling With VIN Code No. P.		
(Man. Trans.) .....	21.1	22.9	⑤ — With Hvy. Duty Cooling add 1.8 Qts.		
400" V8			⑥ — With Hvy. Duty Cooling add .8 Qts.		
(Auto. Trans.) .....	20.4	⑦21.2	⑦ — With Hvy. Duty Cooling add 2.0 Qts.		
403" V8 .....	16.8	⑧17.5	⑧ — With Hvy. Duty Cooling add 1.2 Qts.		

#### THERMOSTAT

Thermostat should initially open at 192-198°F and be fully open at 220°F.

#### PRESSURE VALVE

All models use a 15 lb. radiator cap. Test at 14-17 lbs.

#### WATER PUMP

Water pumps are serviced as an assembly only.

#### MAINTENANCE

Inspect cooling system every 12 months or 15,000 miles. Drain and flush cooling system every 24 months or 30,000 miles.