

FORD MOTOR CO.

COOLING SYSTEM CAPACITY

Application	Quarts
300"	
E100/350 Man. Trans.	15
E100/350 Auto. Trans.	20
F100 & F150 Man. Trans.	①13
F100/350 Auto. Trans.	②14
302"	
E100/350 Man. Trans.	15
E100/350 Auto. Trans.	17.5
F100 & F150	②15
351"	
E100/350 Man. Trans.	15
E100/350 Auto. Trans.	20
F100	17
F150/350 Man. Trans.	②15
F150/350 Auto. Trans.	③17
Bronco Man. Trans.	③20
400"	
F250 & F350 Man. Trans.	③18
F100/350 Auto. Trans.	③18
Bronco	③22
460"	
E100/350	28
F150/350	24

- ① — Add 4 qts. with A/C.
- ② — Add 3 qts. with A/C.
- ③ — Man. & Auto. Trans. and Super Cooling, 24 qts.

PRESSURE CAP

Application	PSI
All Models	13

THERMOSTAT

NOTE — Due to the different variations of emission control devices and the geographical areas for which the vehicles are manufactured, the thermostats will vary from one model to another. Either a 160°, 180° or a 190° thermostat may be used.

WATER PUMP

300" "E" & "F" MODELS

Removal — Drain cooling system. Loosen alternator adjusting arm bolt and remove drive belt. Remove air conditioning drive belt (if equipped). Remove fan, pulley and bolts from water pump hub. Disconnect heater hose and lower radiator hose at water pump. Remove water pump attaching bolts and water pump assembly.

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

302" "F" Models

Removal — Drain cooling system. Remove bolts securing fan shroud (if equipped) to radiator and position shroud over fan. Disconnect lower radiator hose, heater hose, and by-pass hose at water pump. Remove drive belts, fan, spacer, pulley and bolts from water pump hub. Remove fan shroud. Loosen alternator pivot bolt and adjusting arm-to-water pump bolt. Remove water pump attaching bolts and water pump assembly.

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

351" "E" Models

Removal — 1) Remove air cleaner and intake duct assembly including closed crankcase ventilation hose and oil breather cap. Drain cooling system. Disconnect radiator hoses at radiator and oil cooler lines (if equipped). Remove radiator attaching bolts and remove radiator.

2) Remove drive belts, fan, spacer, pulley and bolts from water pump hub. Disconnect heater hose and by-pass hose at water pump. Remove water pump attaching bolts and water pump assembly.

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

351" & 400" "F" Models

Removal — 1) Drain cooling system and disconnect battery ground cable. Remove fan shroud bolts and position back over engine. Remove fan and spacer from pump. Remove air conditioning drive belt if equipped. Also remove compressor mount to water pump.

2) Loosen alternator and remove drive belt. Loosen power steering pump and remove drive belt. Remove water pump pulley. Remove alternator and bracket without disconnecting wires and position out of way.

3) Remove power steering pump and bracket without disconnecting lines and position out of way. Disconnect heater hose at water pump. Disconnect lower radiator hose at water pump. Remove water pump bolts and remove water pump.

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

FORD MOTOR CO. (Cont.)

460" "E" & "F" MODELS

Removal - 1) Drain cooling system and remove fan shroud bolts. Remove fan assembly from water pump and remove shroud. Loosen power steering pump bolts. If equipped with air conditioning, loosen compressor top bracket bolts. Remove compressor and power steering drive belts.

2) If equipped with air pump, remove pump pulley and belt. Disconnect by-pass hose and remove pump pivot bolt. Loosen adjustment arm and remove air pump. Loosen alternator pivot bolt and remove attaching bolts and spacer. Remove adjustment arm bolt and remove alternator and bracket as an assembly.

3) Remove power steering pump and lay aside. Disconnect radiator lower hose and heater hose from water pump. Loosen by-pass hose clamp at pump and remove attaching bolts and remove water pump.

Installation - Clean all 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	
"F" Models	
300", 302" & 351"W	
351"M, & 400"	12-18
460"	15-21
Fan-to-Hub Bolts	12-18

GENERAL MOTORS

CHEVROLET & GMC COOLING SYSTEM CAPACITY

Application ^①	Quarts	Application ^①	Quarts
250"		400"	
C10/30, K10/K30 Man. Trans.	②15	K10/30 Auto. Trans.	⑤⑥18
C10/30, K10/K30 Auto. Trans.	②15.5	G20/30 Auto. Trans.	③20
G10/30	17	454"	
P10/30	13.5	C10 Auto. Trans.	22.5
292"		C20/30 Auto Trans.	⑦24
C10/30, K10/K30 Man. Trans.	②15	① - When General Motors is referred to within this manual (rather than Chevrolet or GMC), the numerical vehicle series designations will be abbreviated for common reference to both Chevrolet and GMC. Chevrolet will use numerical series designations as listed. GMC models will be identified as follows: 10 = 1500; 20 = 2500; 30 = 3500	
C10/30, K10/K30 Auto. Trans.	②15.5	② - Add 1/2 qt. with Air Conditioning.	
P10/30	13.5	③ - Add 1/2 qt with Heavy Duty Cooling.	
305"		④ - Add 1 qt. with Air Conditioning.	
C10 & C20, K10	17.5	⑤ - Add 1 qt. with Heavy Duty Cooling.	
C20	②18	⑥ - Add 2 qt. with Air Conditioning.	
G10	④19	⑦ - Add 1/2 qt. with Trans. Oil Cooler.	
350" Gas			
C10/30 K10/30	②17.5		
G10/30	20		
P20/30	③16.5		
350" Diesel	18.0		

CHEVROLET & GMC PRESSURE CAP

Application	PSI
All Models	15

CHEVROLET & GMC THERMOSTAT

Application	① Rating °F
All	195
① - Thermostat should be full open at 25°F above stamped rating and fully closed at 10°F below stamped rating.	