

CHRYSLER CORP.

COOLING SYSTEM CAPACITY

Application	Quarts
225" 6 Cyl.	
All Pick-up Models	② 12
B100, B200, PB100, PB200, B300, PB300, CB300, CB400, MB300, MB400, Man. Trans.	③ 12
Auto. Trans.	③ 14
With A/C or Max. Cooling	③ 15
318" V8	
All Pick-up Models	① 16
B100, B200, PB100, PB200, Man. Trans.	②③ 16
Auto. Trans.	②③ 16
B300, PB300, CB300, CB400, MB300, MB400, Standard Models	②③ 16
With Maximum Cooling	③ 19
B200, PB200, B300, PB300, With A/C & Trailer Pkg.	③ 19
360" V8	
All Pick-up Models	① 14.5
B100, B200, PB100, PB200, Standard	①③ 16
B300, PB300, CB300, CB400, MB300, MB400, Standard	①③ 17
B200, PB200, B300, PB300, With A/C & Trailer Pkg.	③ 19

① - Add 1 quart with A/C or increased cooling.
② - Add 2 quarts with A/C.
③ - Add 1 quart with auxiliary heater.

PRESSURE CAP

Application	PSI
All Models	16

THERMOSTAT

Application	① Initial Open	① Full Open
225" All Models	192-199	219
318" All Models	192-199	219
360" All Models	192-199	219

① - Specifications are in ° F.

WATER PUMP

"AD", "AW", "PD", "PW",
"D" & "W" Models

Removal (225" Engine) - 1) On models without air conditioning, drain cooling system. Remove fan shroud (if equip-

ped) and set back on engine. Loosen alternator, power steering pump and remove belts. Remove fan, spacer, pulley and bolts as an assembly.

2) Position lower hose clamp in center of by-pass hose. Disconnect heater hose and lower radiator hose from 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.

Removal (V8 Engines) - 1) Drain cooling system. If equipped with air conditioning, remove radiator. Loosen alternator adjusting bolt and pivot bolt. Loosen power steering and air pumps (if equipped). Remove drive belts.

2) On vehicles without air conditioning, remove alternator bracket bolts from water pump. Swing alternator out of the way and tighten pivot bolt. On vehicles with air conditioning, remove alternator adjusting bracket and power steering pump bolts and set aside.

3) Remove fan blade, spacer or fluid unit, pulley and bolts as an assembly. Disconnect heater and by-pass hoses. Remove air conditioning compressor pulley and field coil assembly.

CAUTION - To prevent silicone fluid from draining into fan drive bearing and ruining the lubricant, do not place drive unit with shaft pointing downward.

4) Remove water pump-to-compressor front mount bracket bolts, and remove bracket. Remove pump retaining 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.

B, PB, CB, & MB MODELS

Removal (225" Engine) - Drain cooling system, loosen alternator, power steering pump or idler pulley, then remove all drive belts. Remove fan spacer, pulley and bolts as an assembly. Position by-pass hose lower clamp in center of hose and disconnect heater hose. Remove water pump retaining 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.

Removal (V8 Engines) - 1) Drain cooling system and, if equipped with air conditioning, remove radiator and shroud. Loosen alternator adjusting bolts and pivot bolt. Loosen power steering bolts. Remove all drive belts. On engines without air conditioning, remove alternator bracket-to-water pump bolts. Swing alternator out of the way and tighten pivot bolt.

2) On engines with air conditioning, remove idler pulley assembly, alternator and adjusting bracket. On all models,

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remove fan, spacer or fluid drive, pulley and bolts as an assembly.

CAUTION — To prevent silicone fluid from draining into fan drive bearing and ruining lubricant, do not place drive unit with shaft pointing downward.

3) Disconnect heater, by-pass and radiator hoses. Remove compressor clutch assembly, compressor-to-front mounting bracket bolts and water pump-to-compressor front mount bracket bolts and bracket. 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.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs.
Water Pump Attaching Bolts.....	30
Fan Attaching Bolts.....	15-18
Fluid Fan Drive Bolts.....	15-18

FORD MOTOR CO.

COOLING SYSTEM CAPACITY

Application	Quarts
300"	
E100/350 Man. & Auto. Trans. w/o A/C	①②15
E100/350 Man. & Auto. Trans. w A/C	①②20
F100/350 Man. Trans.	③13
F100/350 Auto. Trans.	④14
302"	
E100/350 Man. Trans.	15
E100/350 Auto. Trans.	17.5
F100/150 Man. Trans.	15
F100/150 Auto. Trans.	④15
351"	
E100/150 Man. Trans.	①②15
E100/150 Auto. Trans.	①②20
E250/350 All Exc. "Super Cool"	20
E250/350 "Super Cool"	27
F100 Man. Trans.	17
F100/350 Man. & Auto. Trans. w "Super Cool"	24
F150/350 Man. Trans. Std. Cooling	15
F150/350 Man. & Auto. Trans. w Extra Cooling	17
F150/350 Man. & Auto. Trans. w A/C	18
Bronco Man. Trans. w Std. Cooling	20
Bronco (All Others)	22
400"	
E250/350 All Exc. "Super Cool"	20
E250/350 "Super Cool"	27
F100/350 Auto. Trans.	18
F250/350 Man. Trans.	18
F100/350 & Bronco with "Super Cool"	24
Bronco All Exc. "Super Cool"	22
460"	
E350 All	①②28

- ① — Add 1 quart for heater.
- ② — Add 1.8 quarts for auxiliary heater.
- ③ — Add 4 quarts with A/C.
- ④ — Add 3 quarts with A/C.

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" & 351" W V8 F100/250 & Bronco 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.

302" & 351" W V8 E100/250 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.