

## JEEP

### COOLING SYSTEM CAPACITY

Application	① Quarts
<b>1965-66</b>	
Jeepster	
F4.....	11
V6.....	10
J-Series	
230" OHC.....	11
232".....	9.5
327".....	18.5
Universal Series.....	11
<b>1967-68</b>	
Jeepster	
F4.....	11
V6.....	9
J-Series	
6 Cyl. ....	9.5
V8.....	18.5
Universal Series	
F4.....	11
V6.....	9
<b>1969-71</b>	
Jeepster	
F4.....	11
V6.....	9
J-Series	
232".....	9.5
327".....	18.5
350".....	14
Universal Series	
F4.....	11
V6.....	9
<b>1972-73</b>	
All Models	
232" & 258".....	9.5
304".....	13
360".....	12
<b>1974</b>	
All Models	
232" & 258".....	9.5
304".....	12
360" & 401".....	13

① — If equipped with heater, add one quart to capacity shown.

### PRESSURE CAP

Application	PSI
<b>1965-67</b>	
Jeepster	
F4 Eng. ....	7
V6 Eng. ....	13
J-Series.....	13
Universal Series	
CJ2A & CJ3A.....	4.5
All Others.....	7

### PRESSURE CAP (Cont.)

Application	PSI
<b>1968</b>	
Jeepster	
F4 Eng. ....	7
V6 Eng. ....	13
J-Series.....	13
Universal Series	
F4 Eng. ....	7
V6 Eng. ....	13
<b>1969-70</b>	
Jeepster.....	① 15
J-Series.....	15
Universal Series	
F4 Eng. ....	7
V6 Eng. ....	13
<b>1971</b>	
Jeepster.....	① 15
J-Series.....	15
Universal Series	
F4 Eng. ....	② 7
V6 Eng. ....	15
<b>1972-74</b>	
All Models.....	15

- ① — Right hand drive vehicles with 4 cyl. engine use a 7 psi cap.  
 ② — Some models may use a 15 psi cap.

### THERMOSTAT

Application	① Initial Open	① Full Open
<b>1965-67</b>		
Jeepster.....	180-192	202
J-Series		
230" OHC.....	165	188
All Others.....	193-197	218
Universal Series		
CJ2A & CJ3A.....	150	170
All Others		
(Standard).....	165	188
(Optional).....	180-192	202
<b>1968-71</b>		
Jeepster.....	180-192	202
J-Series.....	193-197	218
Universal Series.....	180-192	202
<b>1972-74</b>		
All Models		
6 Cyl. ....	202-208	228
V8.....	192-198	218

① — Specifications are in °F.

## JEEP (Cont.)

### WATER PUMP

#### JEEPSTER (1965-71)

**Removal** — Drain cooling system and remove all drive belts. Disconnect all hoses to water pump. Remove fan, pulley and bolts from water pump hub. 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.

#### J-SERIES OHC (1965-66)

**Removal** — Drain cooling system and remove radiator fan shroud. Loosen alternator at support and remove drive belt. Remove fan, fan hub, pulley and bolts. Disconnect all hoses to water pump. Remove water pump-to-timing chain cover attaching nuts and water pump assembly from vehicle.

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

#### J-SERIES 232" (1965-71)

**Removal** — Drain cooling system and remove alternator bracket-to-adjustment bracket nut. Pivot alternator toward engine and remove drive belt. Remove fan, fan hub, pulley and bolts from flange at water pump shaft. Remove water pump attaching bolts, fan belt tension adjustment bracket and water pump assembly from engine.

**Installation** — Clean all gasket surfaces and install new gaskets. Reverse removal procedure, tighten nuts and bolts, adjust drive belt tension and refill cooling system.

#### J-SERIES 327" (1965-69)

**Removal** — Drain cooling system and remove radiator fan shroud. Loosen alternator at support and remove drive belt. Remove fan, fan hub, pulley and bolts. Remove water pump-to-timing chain attaching nuts and water pump assembly from vehicle.

**Installation** — Clean all gasket surfaces and install new gaskets. Reverse removal procedure, tighten nuts and bolts, adjust drive belt tension and refill cooling system.

#### J-SERIES 350" (1968-71)

**Removal** — Drain cooling system. Loosen alternator at support and remove drive belt. Remove fan and pulley from water pump hub. Disconnect all hoses to water pump. Remove water pump attaching bolts and water pump assembly from vehicle.

**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.

#### "CJ" & "DJ" MODELS (1965-71)

**Removal** — Drain cooling system and remove all drive belts. Disconnect all hoses to water pump. Remove fan, pulley and bolts from water pump hub. 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.

#### ALL MODELS 232" (1972-74) & 258" (1971-74)

**Removal** — 1) Drain cooling system and disconnect all hoses at water pump. Disconnect negative battery cable (1974 only). Loosen alternator adjustment bolt and remove drive belt. Separate fan shroud (if equipped) from radiator and position rearward on engine.

2) Remove fan and hub assembly from water pump. If equipped with air conditioning, disconnect compressor mount bracket from water pump and loosen remaining mount bracket nuts.

3) On 1973-74 models, remove front half of alternator bracket. Support weight of alternator by inserting lower pivot bolt through rear half of bracket. On all models, 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 nuts and bolts, adjust drive belt tension and refill cooling system.

#### ALL MODELS 304" & 360" (1971-72)

**Removal** — 1) Drain cooling system and disconnect negative battery cable. Disconnect upper radiator hose at radiator. Remove alternator and mount bracket assembly (position to one side with wires attached). If equipped with power steering, loosen pulley retaining nut, loosen pump mount nuts and remove drive belt and pulley.

2) Remove front section of power steering mount bracket. *NOTE* — If vehicle is equipped with air injection, remove air pump drive belt prior to removing power steering pulley. Separate fan shroud (if equipped) from radiator and position rearward on engine. Remove fan and hub assembly from water pump.

3) Disconnect heater hose, by-pass hose and lower radiator hose at water pump. Remove water pump attaching bolts and water pump assembly.

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

#### ALL MODELS V8 (1973-74)

**Removal** — 1) Drain cooling system and disconnect negative battery cable. Disconnect upper radiator hose at radiator. Loosen all drive belts. Separate fan shroud (if equipped) from radiator and position rearward on engine.

2) If equipped with a fluid drive fan, remove fan assembly (do not unbolt fan blades) and shroud at the same time. There is sufficient room to move fan assembly toward radiator and clear water pump. On all other models, remove fan and hub assembly. *NOTE* — Studs in water pump may back out when nuts are removed, preventing fan assembly from clearing water pump. If this condition occurs, install a double nut on stud(s) and remove stud(s).

## JEEP (Cont.)

3) If equipped with air conditioning, install a double nut on compressor bracket-to-water pump stud and remove stud. *NOTE — Removing this stud eliminates removing mounting bracket.* Remove alternator and mount bracket assembly (position to one side with wires attached). If equipped with power steering, remove nuts attaching pump to rear half of mounting bracket. Remove bolts attaching front half of bracket to rear half.

4) Remove remaining upper bolt from inner air pump support brace, loosen lower bolt and drop brace away from power steering front bracket. Remove front half of power steering bracket from water pump mounting stud. Disconnect heater hose, by-pass hose and lower 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 nuts and bolts, adjust drive belt tension and refill cooling system.

### TIGHTENING SPECIFICATIONS

Application	Ft. Lbs.
<b>Water Pump Attaching Bolts</b>	
Jeepster (1965-71).....	6-8
<b>J-Series</b>	
OHC (1965-66).....	15-20
232" (1966-71).....	10-15
327" & 350" (1965-71).....	8-12
"CJ" & "DJ" Models (1965-71).....	6-8
<b>Water Pump-to-Block</b>	
258" (1971).....	10-15
232" & 258" (1972-73).....	10-15
232" & 258" (1974).....	12-25
<b>Water Pump-to-Timing Cover</b>	
304" & 360" (1971).....	4-4.5
304" & 360" (1972-73).....	INCH Lbs. 45-50
304", 360" & 401" (1974).....	INCH Lbs. 40-55
<b>Fan Blade-to-Hub</b>	
<b>J-Series</b>	
OHC (1965-66).....	8-10
232" (1966-71).....	15-20
327" & 350" (1966-71).....	8-10
<b>All Models</b>	
1972-73.....	15-20
1974.....	12-25