VARIABLE SPEED COOLING FANS

FAN CLUTCH WITHOUT THERMOSTATIC CONTROL

Chrysler Corp. Torque Control Drive
Cars Without Air Conditioning

DESCRIPTION

This unit is basically the same as the thermostatically controlled fan clutch except it is not controlled by a temperature sensitive coil. It allows the fan to be driven in normal manner at low speeds while limiting the top speed of the fan to a predetermined level at higher speeds. The silicone in the clutch housing provides a more positive drive at lower speeds and allows greater slippage between the driven member and driving member at higher engine speeds.

TESTING

In case of engine overheating during low car speed or idle operation increase engine speed to approximately 1000 RPM in neutral gear. If condition is not corrected by increasing engine speed, replace fan drive unit with a unit that is known to be operating properly and test by operating vehicle under same conditions. Replace unit assembly if trouble was corrected with test unit.

NOTE – *If unit is not operating properly or is damaged, replace unit. All units are non-adjustable.*

ENGINE COOLANT CAPACITIES

AMERICAN MOTORS

CAPACITY (Qts.)

Application	Standard	With A/C
Gremlin		
121" 4-Cyl.	6.5	6.5
232" & 258" 6-Cyl.	11	14
Concord & AMX		
232" & 258" 6-Cyl.	11	14
304" V-8	18	18
Pacer		
232" & 258" 6-Cyl.	14	14
304" V-8	18	18
Matador		
232" & 258" 6-Cyl.		
Coupe	13.5	13.5
Sedan	11.5	11.5
232" 6-Cyl.		
Wagon	11.5	11.5
360" V8		
Coupe	17.5	17.5
Wagon	①15.5	①15.5

① – Add 2 qts. with coolant recovery.

THERMOSTAT

Thermostat is located in water outlet elbow. Operating range is as follows:

Application	Start Open	Full Open
4-Cyl.	189° F	216° F
6-Cyl.	195° F	218° F
8-Cyl.	195° F	218° F

NOTE – *Maintain coolant level with a mixture of ethylene glycol based anti-freeze and low mineral content water.*

PRESSURE CAP

All American Motors models use 14 lb. pressure cap. Test at 11-14 psi.

WATER PUMP

Water pump impeller is pressed on the rear of pump shaft and bearing assembly. Pump is serviced as an assembly only.

MAINTENANCE

At 25,000 miles or 25 months, change engine coolant. Thereafter, change coolant every 12 months, at the start of winter.