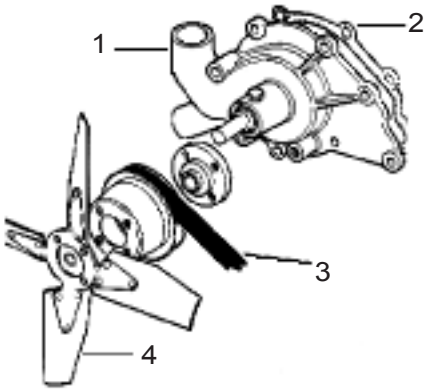
Cooling

Water Pump, Pulley & Fan



1	Water pump (Ser. IIA, III)	STC3758
	Rebuild kit (Ser. II, IIA, III)	RTC3072
2	Gasket 1959 - '62 (7 bolt holes)	347919
	Gasket Ser. IIA, III (9 bolt holes)	538671
3	Belt, fan	563132
4	Fan	512018

Tech Tip

Bellows Thermostat 'work around'

The bellows thermostat used in the 2.25 engine is no longer available. Just replacing one with a conventional type thermostat will not do the trick because much of the coolant will bypass the radiator.

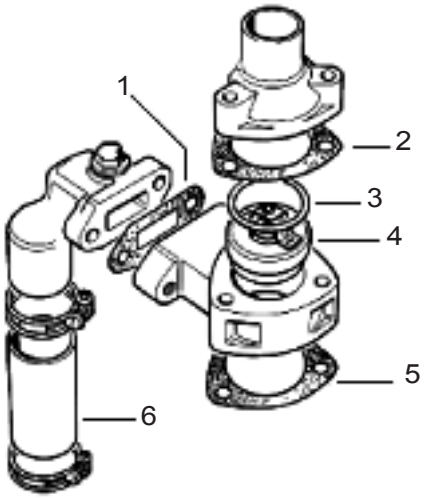
The bypass circuit allows coolant to be circulated within the engine before the thermostat opens and prevents hot spots in the head that can cause cracking. So you can not just block it off.

There are two alternatives: One is to replace your old thermostat and bypass housings with the newer Land Rover versions that have a built in restriction.

The other method is to make your own restrictor gasket that blocks off the bypass housing except for a single 3/8 inch dia. hole: then use a thermostat that will fit your existing housing.

If you make your own bypass restrictor gasket, the correct thermostat to use is 532453 (165 degree) or 596225 (180 degrees)

Thermostat and Related Parts



1	Gasket, bypass	90511958
2	Gasket, top (Ser. IIA, III)	527110
3	O-ring, top housing	527235
4	Thermostat , Ser. II, IIA bellows type (see tech tip for alternatives)	NLA
	Thermostat, WAX type, 165F/74C	532453
	Thermostat, WAX type, 180F/82C	596225
5	Gasket, housing base (Ser. IIA, III)	247874
6	Hose, bypass	574871

Water Wetter

Water Wetter is added to a coolant mix to help reduce cooling system temperatures.

Water has excellent heat transfer properties in its liquid state, but very high surface tension makes it difficult to release water vapor from metal surfaces. Under heavy load conditions, much of the heat in the cylinder head is transferred by localized boiling at hot spots, even though the bulk of the cooling solution is below the boiling point. Water Wetter reduces the surface tension of water by a factor of two, which can improve the heat transfer properties in this localized boiling region by as much as 15% Order # 80204