

Cooling System

Radiator	ESR80	3.5 '87, '88	
	ESR3687	3.9 and 4.2	mount bushings: 572312
plug	ERR4686		
O-ring	ERR4685		
Radiator Cap	PCD100150	through '89	
Level Sensor	PRC5077	through '89 fits in expansion tank	
Sensor and cap	PRC7925	from '90 through '94 fits on expansion tank	
Sensor and cap	NTC7161	from '95 on fits on expansion tank	
Expansion tank	NTC4084	metal tank, '87 to mid '88: to JA336625	
	SFR55	metal tank, mid '88 through '89	
	PCF101590	plastic (improved design) '90-'95	
Heater Core	606923	'87 through mid '88: up to JA344071	
	STC250	mid '88 (JA344072) through '94	
	STC3135	'95 models only	
Thermostat	ETC4765	190F uses gasket ERR2429	
Cooling Fans 11 blade white	ETC1275	3.5, 3.9, 4.2 to '95 (see below)	
11 blade black	ERR3439	'95 3.9, 4.2: from engine #36D25155B, 40D09582B	
Viscous Coupling '87-'94	ETC1260	for fan ETC1275	
'95 models only	ERR3443	for fan ERR3439	



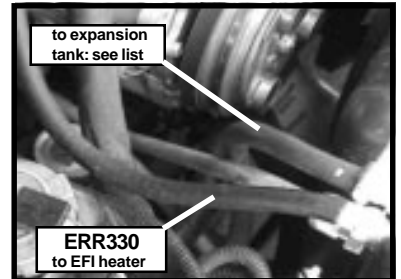
ESR3687



ETC1275

Hoses

Top Hose	PCH000040	3.5, 3.9 to SA652456 (up to mid '95)
	ESR2167	4.2 to SA652456 (up to mid '95)
	PCH000050	from SA652457 (mid '95 on)
Bottom Hose	NTC1174	3.5 early
	NTC5632	through '89
	NTC7297	from '90 through '94
	ESR1818	'95
Expansion Tank Hose	NTC7298	'90-on
EFI heater hoses	ERR330	EFI heater to radiator
	ERC8598	intake manifold to EFI heater
	NTC7298	'90-on
Heater Hose - firewall/ out	BTR217	through '94
firewall/ in	BTR216	through '94
supply hose	ETC6889	to intake manifold
return hose	ETC6890	to water pump
Heater Hose Late Model System from '95 on:		
Heater Control Valve	BTR4022	
Hose - Heater to Valve	BTR8726	
Hose - Valve to Heater	BTR8727	
Hose - Valve to Engine	BTR4008	
Hose - Engine to Valve	BTR4016	



The two smaller radiator hoses are a unique size and do require periodic replacement.



PCF101590

Thermostat Options



There are 3 heat ranges available for V8 engines; use lower temps for hotter climates

- ETC4765 190F
- ETC4763 180F
- ETC4761 167F

Water Wetter	80204	80204	improves system efficiency
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Red Line Water Wetter

Improves cooling and corrosion protection. We highly recommend it, and we all use it in all our cars and trucks. Concentrated, one bottle will do the job.
80204



Engine Oil Cooling Lines, Hoses

Engine to oil cooler (pressure)	NTC6289	'87-'89	
	NTC5972	'90-'91	
	ESR356	'92	
	ESR1672	'93-'94	upper
	PBP101150	'95	
Oil cooler to engine (return)	NTC5620	'87-'89	
	ESR137	'90-'91	
	ESR355	'92	
	ESR1671	'93-'94	lower
	PBP101160	'95	



Range Rover Cooling Systems

All Land Rovers come with reserve cooling capacity: they are designed and tested for hot weather desert operation. If your Range Rover is overheating, there is something wrong: it is NOT due to an inefficient system. Your aluminum engine does not like to get hot, so proper maintenance is essential.

There are common problems found in older Range Rovers that can cause them to run hot. One is a failed viscous fan coupling. Another is the failure of the electric fan relays or sensors. And increasingly common are clogged radiator cores, due to infrequent coolant changes.

Change the coolant once a year without fail to maintain the right ph balance, and the belts and hoses every 3-5 years. Broken belts and blown hoses can quickly ruin your motor. A good system will run cool in the hottest weather.