

Cooling



Land Rover

Range Rover, Range Rover Sport
MK.3, 2005 > 2009

COTB 0019

Auxiliary Coolant Pump Failure Due To OE Wiring Fault

Cause When the vehicle was manufactured the wires that go into the pump connector (C3006) may have been wired the wrong way round. Because of this the auxiliary coolant pump, which cools the supercharger, will run backwards. Over time this will degrade the pump and cause it to fail or run very poorly. Land Rover have recognised this problem and issued a technical bulletin, number LBT00041.

Effect If the pump fails or begins to fail then the vehicle will run poorly, often losing power under load and may also missfire. This may also bring up one or both of the fault codes P0096 and/or P2601.

Solution If the wires going into connector C3006 are the wrong way round, then they will need to be rewired to the correct orientation as specified here.

Range Rover Brown wire in cavity 1 needs to be connected to "-" on the pump connection.
Red & White wire in cavity 2 needs to be connected to "+" on the pump connection.

Range Rover Sport Black wire in cavity 1 needs to be connected to "-" on the pump connection.
Brown and Purple Wire in cavity 2 needs to be connected to "+" on the pump connection.

Please Note: If the Auxiliary Coolant Pump has been operating in a state of reverse, then it is recommended that the pump is replaced.



Replacement Pump
FWP 3034

Applications:

Range Rover MK3 & 4 Supercharged Engines 6A198058 - 7A261419
Range Rover Sport Supercharged Engines 6A901924 - 7A109767

OE References: PEB500010 (Land Rover)