

TECHNICAL TOPICS

POWERTRAIN



AJ20P4 COOLANT PUMP

18MY – Onward Discovery Sport, RR Evoque, Range Rover PHEV, RR Sport PHEV, Velar, F PACE, F TYPE, XE, XF, E PACE equipped with AJ20P4

Customer Voice:

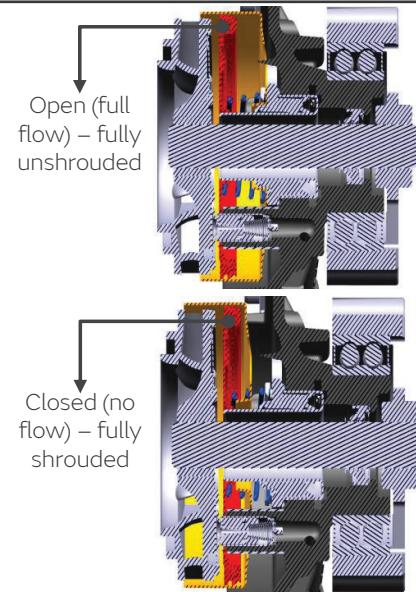
- The engine fan runs excessively.

Technical Description:

- Technician investigation finds DTC(s) P26CB-72, P2B61-73 which are both set when the variable coolant pump shroud is slow to respond to a request to open or close.
- The engine fan may run at high speed due to other requirements from the vehicle such as HVAC.

Status:

- These DTCs may be stored with the new software, but the revised calibration will react differently due to the following changes in the calibration as of the release required in N451 and H291.
 - MIL Request Status: These DTCs do not set the Check Engine MIL in the new calibration.
 - Fan Request Status: The fan will no longer run at 100% duty cycle with these DTCs set in the new calibration. The fans will only run at max duty cycle from a PCM request if it detects the engine is at risk for overheat.
- Diagnose any other relevant DTCs that may be stored. Use live data in Pathfinder to monitor temperature sensor values for the engine.
- DO NOT replace the coolant pump to resolve the DTC(s) listed as this may result in the rejection or audit of warranty claims. Only replace the coolant pump hardware if there is evidence that an overheat event has occurred as outlined in the TOPlx Workshop Manual (WSM) DTC HelpText.



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