



Preliminary Information

PIT4573E No Crank With DTC P1AAB, P1AAC, P1AAD, and/or P1AAE

Models

| Brand: | Model: | Model Years: | VIN: | | Engine: | Transmissions: |
|-----------|-----------|--------------|------|-----|---------|----------------|
| | | | from | to | | |
| Chevrolet | Silverado | 2004 - 2007 | All | All | All | All |
| GMC | Sierra | 2004 - 2007 | All | All | All | All |

with RPO HP2

Supersession Statement:

This PI was superseded to update Condition/Concern. Please discard PIT4573D.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition / Concern

Some owners my comment of a no crank concern. When checking for DTCs the PCM will have P1AAB, P1AAC, P1AAD, and/or P1AAE set.

Following the SI diagnostic flow chart may lead you to replace the SGCM because the resistance instructions in SI do not always indicate a high resistance and/or short between the 3-phase cables and /or stator lugs. Follow the recommendations below prior to replacing the SGCM.

Note: Parts are no longer available for this repair and are obsolete. There is no alternate parts or up level parts that can be substituted for this repair.
No further repairs should be attempted

Recommendations / Instructions

A visual inspection for arcing at the cable to stator connections must be performed first by removing the cables from the stator. If there are signs of arcing, replace both components. While replacing the stator and cables remove part of the under hood cowl wall insulation mat in the area that the 3 phase cables are routed.



This is signs of pitting/arching. These should be replaced. Minor pitting can be cleaned up and the cables reused.

Even if there is no arcing, the stator still should be replaced before the SGCM. If the concern is still present after the stator and/or cables have been replaced retest them for a short to ground, open between the phases and there should be less than 1 ohm of resistance between the phases. If all test good replace the SGCM.

Note: Parts are no longer available for this repair and are obsolete. There is no alternate parts or up level parts that can be substituted for this repair.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.



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