



27-19-03TT - No Crank – Sporadic - DTC P06E9

Release date: 09/10/2021

Condition

ATTENTION:

THIS IS A TECH TIP, NOT A TECHNICAL BULLETIN.

TECH TIPS ARE NOT ASSOCIATED WITH WARRANTY CLAIMING.

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Atlas	2018-2021	All	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2056397/4	9/10/21	27-19-03TT	Include additional diagnostic step.
2056397/3	1/29/21	27-19-03TT	Include additional model year applicability.
2056397/2	6/12/20	27-19-03TT	To remove adaptation of the Battery Monitoring Control Module - J367 -.
2056397/1	10/4/2019	27-19-03TT	Original publication.

Technical Background

Sporadic failure to crank. DTC P06E9 possible.

DTC	Description
P06E9	Engine Starter Performance

Service

Verify Starter Motor -**B**- low current circuits are operating correctly by listening for the Starter Relays -**J906**-, -**J907**- to click or verify voltage at the Starter Relays when Starter Motor -**B**- doesn't engage. If the low voltage side of the circuit can be eliminated as a potential cause of the issue, or if the vehicle is currently starting, check the high current portion of the Starter Motor -**B**- circuit proceeding as follows:

1. Test battery condition, state of charge and charging system operation. Address any concerns identified. If ok, then proceed with the remaining steps.

Tip:

The following areas need to be checked while the engine is cranking.



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2. Voltage drop test the Positive Battery Cable from the positive post of the Battery to Starter Motor **-B-**.
 3. Voltage drop test the Negative Battery Cable from the Negative Battery Post to the Jump Start/Charging Post in the engine compartment.
 4. Voltage drop test the Negative Battery Cable from the Frame Rail to the Transmission Ground Post.
- If any are over 0.3V, replace the suspect cable. If the voltage drop is not excessive, replace Starter Motor **-B-**.

Additional Information

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