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#### Coding Information

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**Title:** 2021 A26 Low Power in Cold Climates

**Applies To:** All Models Equipped with 2021 A26 engine

## CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

12/21/2021 - Initial Article Release

## DESCRIPTION

This document will guide the user through diagnosing a 2021 A26 powered vehicle experiencing low power while being operated in cold climates. The intake manifold pressure (IMP) sensor has been relocated slightly on the 2021 A26 due to the addition of the ITV. In extreme cold conditions, moisture can collect in the sensor and freeze causing the sensor to not read accurately.

Please note that FCAP's should always be followed first if any fault codes are present. This article is intended for use when no fault codes are present, or the published diagnostics do not lead to root cause.

## SYMPTOM(s)

**Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):**

DTC/Light	Description
SPN 102 FMI 1	Engine Intake Manifold #1 Pressure : Data Valid But Below Normal Operational Range - Most Severe Level
SPN 102 FMI 2	Engine Intake Manifold #1 Pressure : Data Erratic, Intermittent Or Incorrect

**Customer Observations or Concerns:**

- CEL/MIL
- Loss of power
- Loss of power without a CEL/MIL

## **SERVICE PARTS INFORMATION**

Kit Description	Part Number	Quantity Required	Notes
SENSOR ASSY, AIR PRESSURE, INTAKE MANIFOLD	1846481C92	1	

## **REPAIR STEP(s)**

**WARNING!** To prevent property damage, personal injury, and / or death, park vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

**WARNING!** To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

**WARNING!** To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

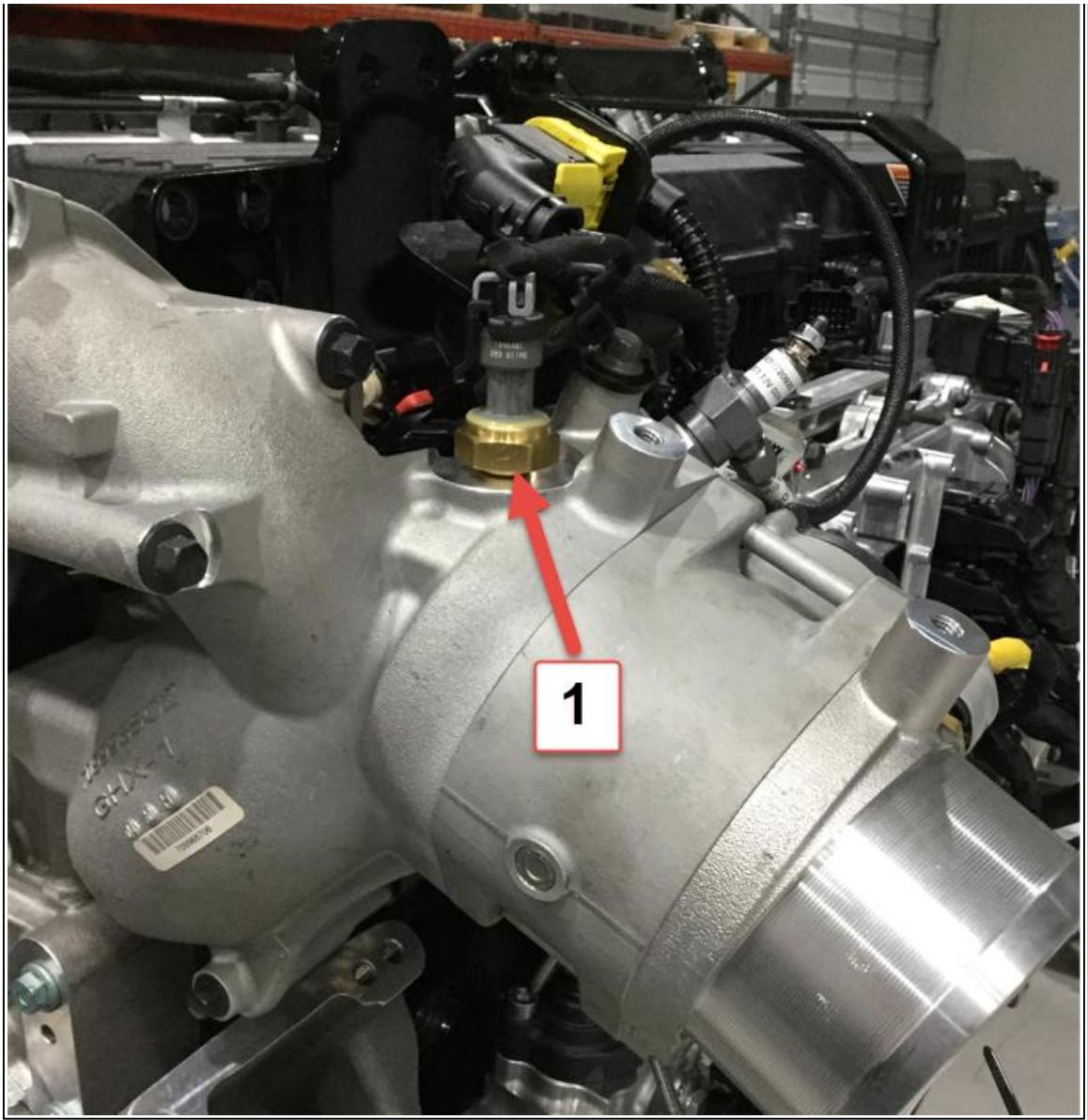
**WARNING!** To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

**WARNING!** To prevent property damage, personal injury, and / or death, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

1.) Remove the intake manifold pressure (IMP) sensor (figures 1,2,3) and inspect for ice or condensation. If any ice or condensation is found, carefully dry out the sensor, then install and retest.

- If this does not correct the issue, proceed with sensor replacement and retest.

2.) Install a winter front per [IK1201009](#)



**Figure 1: Sensor Mounting Location**

Item 1: Intake Manifold Pressure (IMP) Sensor



Figure 2: Intake Manifold Pressure (IMP) Sensor



**Figure 3: Intake Manifold Pressure (IMP) Sensor**

Item 1: Intake Manifold Pressure (IMP) Sensor Orifice

## **WARRANTY INFORMATION**

### **Warranty Claim Coding:**

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

### **Standard Repair Time(s):**

Refer to the [SRT Manual](#) for Repair Times

## **OTHER RESOURCES**

[Master Service Information Site](#)

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### Feedback Information

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Staff ID	Client ID	Comments	Created Date
DY35478		You received the following feedback From: DY35478 - Steve Ziegler Email Address: steveziegler@selkinginternational.com Job Classification: SA003, Salesperson Dealer: SELKING INTERNATIONAL Feedback: How do we know if we have a 2021 A26 or pre 2021 A26 on a 2021 or 2022	12/22/2021 9:56:53 AM

MY truck?

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