Service Bulletin

Bulletin No.: PIC5650N
Date: November, 2026

PRELIMINARY INFORMATION

Subject: Diagnostic Tip - No Remote / No Fob Detected / Poor or No RKE Range / Service TPM / Security Light on Intermittently / No Crank / No Start or Start Stall

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
All	All	2007 - 2027		All	All	All	All

Supersession Statement
This PI was superseded to update the Title, Models and Cause Sections. Please discard PIC5650M.

A customer may comment on any of the following complaints:- No Fob Detected messageNote: On vehicles equipped with keyless/passive start, the vehicle will start if the fob is placed in the fob pocket. - Service Tire Pressure Monitor message- Poor or no RKE range- Keyless or passive entry/start inoperative- Any of the following DTC's: B3055, B3060, B3935, C0750, C0755, C0760, C0765, C0775, or C1171 C1172 C1173 C1174 - Intermittent no crank- Intermittent no start, or start and stall- Security / Theft light / MessageThe systems referenced above communicate using Radio Frequency (RF) transmissions. In some cases, external devices that are malfunctioning or operating improperly may emit Radio Frequency Interference (RFI), which can disrupt or block these RF signals and potentially cause the conditions outlined above.

Below are some vehicle components that could be a source of RFI. If a factory-installed component is identified as the source, it should be repaired or replaced:

- Vehicle camera systems, including the interior camera, inside rearview camera, cargo/bed camera, backup camera, and Surround Vision (360°) camera system- Coax and LVDS cables- USB ports- Wireless phone chargers

The most common sources are the camera systems and/or camera coax cables, as these components may be routed near the RCDLR/RFA module.

To help isolate these components as the source of the RFI, remove battery power from each component by removing its fuse. Once the affected system has been identified, disconnect the individual device(s) within that system to further narrow down the source.

Example: If removing the Video Processing Module fuse causes the issue to disappear, reinstall the fuse and disconnect each camera one at a time to determine which camera is causing the concern. If there is no change, disconnect the cable from the host module.

In many cases, the source of the RFI is an aftermarket device that has been installed to the vehicle that is effectively "jamming" the radio frequency being transmitted.

Listed below are several aftermarket devices that have been known to cause RFI. In many cases, some of these devices may be attached to the customer's key ring and could be removed from the key ring or from inside the vehicle when the customer drops the vehicle off for service, which could lead to a no trouble found.

- Aftermarket cameras (dash cameras) - Vehicle immobilizer keys from other vehicles - Keyless access transmitters from other vehicles - Interstate/bridge toll passes - Gate/door access devices used for pools, driveways, entry doors, etc. - Community or parking access cards - Fuel station speed passes - Building access swipe cards or transponder devices

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Additional items to be aware of:

- Aftermarket LED dome, tail, turn, stop, strip, floor, door, Logo, head lightsIn many cases, when the LED lighting is turned on it can interfere with a RF signal. Example, RKE inoperative after the first fob button press. When the RKE fob button is pressed the dome lights may turn on, which if equipped with an aftermarket LED dome light, it can interfere with any additional fob button presses.

- Aftermarket cameras - dash cameras

- Certain aftermarket window tints can cause RKE range or Passive Entry/Start issues

- Certain cell phone chargers

- USB power banks

- USB flash lights

- Fans (12 volt or 110 volt)

- Any type of USB, 12 volt or 110 volt chargers- “Bedazzle Trim Ring” surrounding ignition lock cylinder, shown below (1)



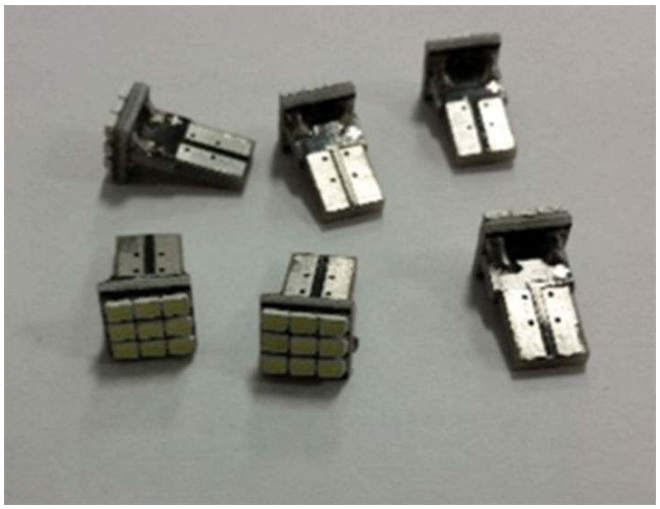
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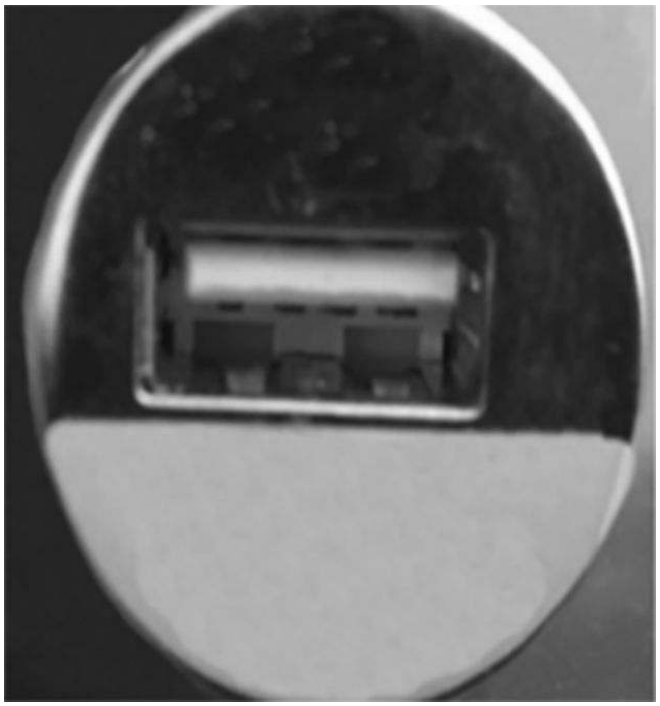
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Correction

Important: Do not replace any parts for this concern prior to duplicating the concern and reviewing the following information:

Before any in depth diagnosis is performed, question the customer or inspect the vehicle for any types of aftermarket equipment, like shown above, which could cause RFI. These items need to removed and/or disconnected from the vehicle.

It is possible to get RFI from transponders or other frequency emitting devices in the area. Aftermarket RFI meters/ sniffers are available that can be utilized as an aid to locate stray RFI signals. It is important to know what the complaint is and what frequency you are checking. When testing a vehicle for stray RFI signals there are three common frequencies that are used; 315 MHZ, 433 MHz, and 125 kHz. Make sure the meter you use checks for frequencies at and around these 3 commonly used frequencies.

315 MHz (RKE and TPM frequency)

433 MHz (RKE and TPM frequency)

125 kHz (Passive entry antennas used on vehicles with passive start/entry)

In some cases, the use of the J 43241 Keyless Entry Tester or EL-52545 Tire Pressure Monitor Sensor and RF Diagnostic Tools to scan the vehicle for stray RFI signals have been useful. Remember while scanning the vehicle you may need to turn on and off electrical devices to see if they are causing the RF interference. An example of this is if a vehicle is equipped with aftermarket LED dome lights. If the dome lights are not on when you scan the vehicle, no interference will be found.

Important: Dealer should also direct their customers to the appropriate section in the Owner manuals that references that the device complies with Part 15 of the FCC Rules. Examples, of where this info may be found depend on the model and/or year. This may be found under Immobilizer Operation, Keyless Entry, Keyless Access, or Radio Frequency Statement sections.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.

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