



Tech Tips

TT 27-13-02

Date: October 11, 2013

2009-2014 Routan- No Crank/ No Start –Starter Will Not Engage and there are No Related Codes

Diagnosis:

Turn the ignition key to the START position. If the engine does not crank but a clicking noise can be heard from the starter, install a jumper cable from the battery negative cable to the engine block and attempt to start the engine again. If the engine now cranks perform the following Repair Procedure A. If it still does not crank, perform Repair Procedure B.

Repair Procedure A:

1. Inspect the existing grounds on the engine and Powertrain Control Module (PCM). Are the grounds free of corrosion, making a positive connection and are secure at their final termination?
 - a. YES >>> Proceed to Step 2
 - b. NO >>> Repair as required and retest.
2. Inspect the Transmission Range Sensor (TRS) connector for signs of moisture, corrosion and proper connection. Is the TRS free from moisture, corrosion, and secured properly?
 - a. YES >>> Proceed to Step 3
 - b. NO >>> Repair as required and retest.
3. Install a redundant ground from the battery negative terminal to the transmission bell housing. It is recommended to use an 8 gauge wire or larger.

Repair Procedure B:

Install a new Transmission Range Sensor (TRS). Refer to Elsa Web Repair Manual > Transmission > Automatic Transmission >Controls Housing >Removal and Installation >Transmission Range Sensor.