

# DTC B3976 Unconfigured Transponder/Vehicle Configuration Not Programmed

## Diagnostic Instructions

- Perform the Diagnostic System Check – Vehicle prior to using this diagnostic procedure.
- Review Strategy Based Diagnosis for an overview of the diagnostic approach.
- Diagnostic Procedure Instructions provides an overview of each diagnostic category.

## DTC Descriptor

**DTC B3976 46:** Unconfigured Transponder/Vehicle Configuration Not Programmed

## Circuit/System Description

When the theft deterrent module (TDM) is in the learn coded key state, the TDM checks the current key to ensure it has been configured as a proper vehicle key.

## Conditions for Running the DTC

- Ignition is in the Accessory or Run position.
- The TDM is in the learn coded key state.

## Conditions for Setting the DTC

The TDM has determined the current key is not configured as a proper vehicle key.

## Action Taken When the DTC Sets

- The security indicator will be illuminated.
- Vehicle starting will be disabled.

## Conditions for Clearing the DTC

- A current DTC will be cleared when the TDM detects a properly configured vehicle key.
- A history DTC will be cleared after 100 malfunction-free ignition cycles or when a scan tool is used to clear DTCs.

## Reference Information

### Schematic Reference

Immobilizer Schematics

### Connector End View Reference

Component Connector End Views

### Description and Operation

Immobilizer Description and Operation

### Electrical Information Reference

- Circuit Testing
- Connector Repairs
- Testing for Intermittent Conditions and Poor Connections
- Wiring Repairs

### Scan Tool Reference

Control Module References for scan tool information

## Circuit/System Verification

**Important:** When using this diagnostic, more than one vehicle key is required to ensure proper diagnosis. If more than one key is not available at the time of service, contact the customer and ask if any other keys can be provided for service. If unavailable, a new second key can be created. While viewing DTCs with a scan tool, attempt to start the vehicle using all of the available keys. The vehicle should start with all available keys. If any key results in inoperative starting and DTC B3976 is set, replace the appropriate key.

## Repair Instructions

Perform the Diagnostic Repair Verification after completing the diagnostic procedure. Replacing Keys (North America except Canada) or Replacing Keys (Canada)