



**Technical Service
BULLETIN**

March 11, 2005

Title:
**FAILURE TO INITIALIZE CAN
INTERFACE MODULE**

Models:
'04 – '05 Applicable Models

REVISED

SS001-05

SPECIAL SERVICE TOOLS

TSB REVISION NOTICE:

- June 23, 2005: The "Required SSTs" section has been updated. The previous TSB should be discarded.

Introduction If the Diagnostic Tester fails to initialize CAN-based communication with on-board vehicle controllers, a damaged cable or inoperative CAN Interface Module may be at fault. This bulletin provides test procedures to check the integrity of the Diagnostic Tester cables and the CAN Interface Module.








- Applicable Vehicles**
- **2004 – 2005** model year **CAN-equipped** vehicles including 2004 model year Prius and 2005 model year 4Runner, Avalon, Prius, Sequoia, Tacoma, and Tundra.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–



Required SSTs

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	Diagnostic Tool Set* 	TOY220036	1	9
COMPONENT(S) OF KIT/SET	Four (4) components from this kit/set are required:			
	<ul style="list-style-type: none"> Tester (P/N 02002019) 			
	<ul style="list-style-type: none"> 12 Megabyte Program Card (P/N 01002593–005) with version 12.2a Software (or later) 			
	<ul style="list-style-type: none"> 14/26 Pin DLC Cable (P/N 02001637) 			
	<ul style="list-style-type: none"> 14 Pin DLC Self Test Adapter (P/N 02001607) 			
2	CAN Module Kit* 	01002744	1	9
COMPONENT(S) OF KIT/SET	NOTE: <ul style="list-style-type: none"> All components from this kit/set are required Module box cannot be ordered separately J1962 OBD2–II (CAN DLC) (P/N 02003180) 			

* Essential SSTs.

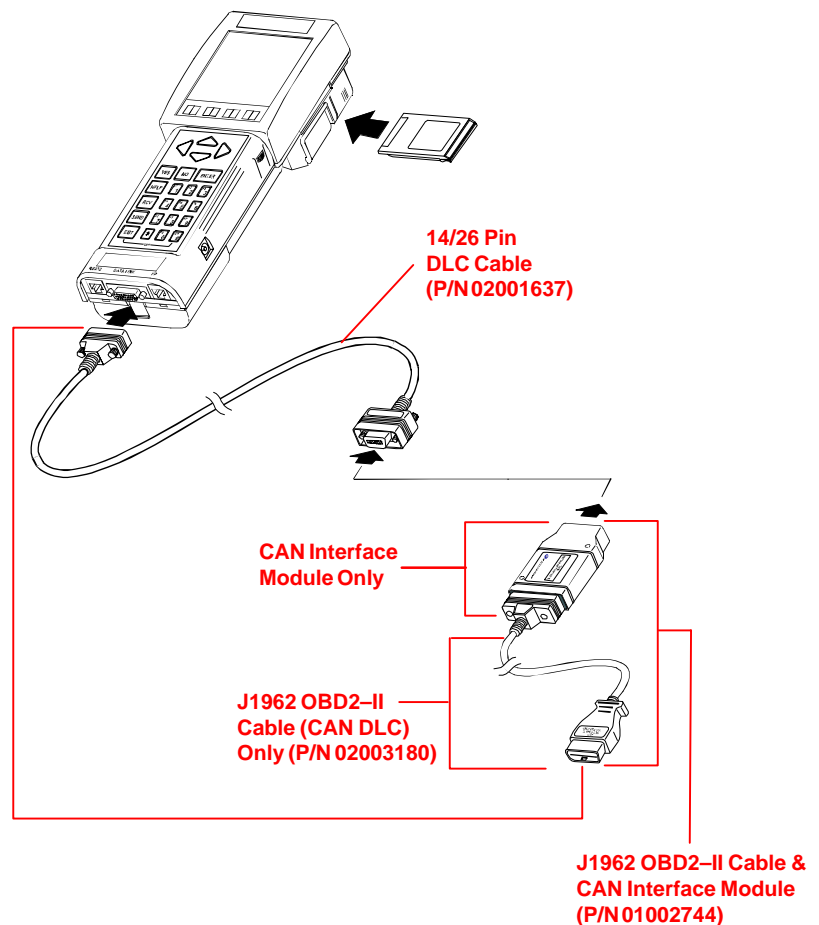
** Refers to drawer number in SST Storage System.

NOTE:
Additional Diagnostic Tool Sets, CAN Module Kits, Program Cards, or other SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

- Diagnostic Procedure** Failure to initialize CAN-based communications between the Diagnostic Tester and on-board vehicle controllers can be caused by the following issues:
- The 14/26 Pin DLC cable is damaged, causing an open communication circuit.
 - The DLC cable is damaged, causing an open communication circuit.
 - The CAN Interface Module is damaged.
 - The vehicle's CAN Communication System has a fault, requiring further vehicle diagnostics.

NOTE:

The Diagnostic Tester may operate properly in other modes such as OBD/MOBD and CARB OBDII with a damaged cable or CAN module.

Figure 1**NOTE:**

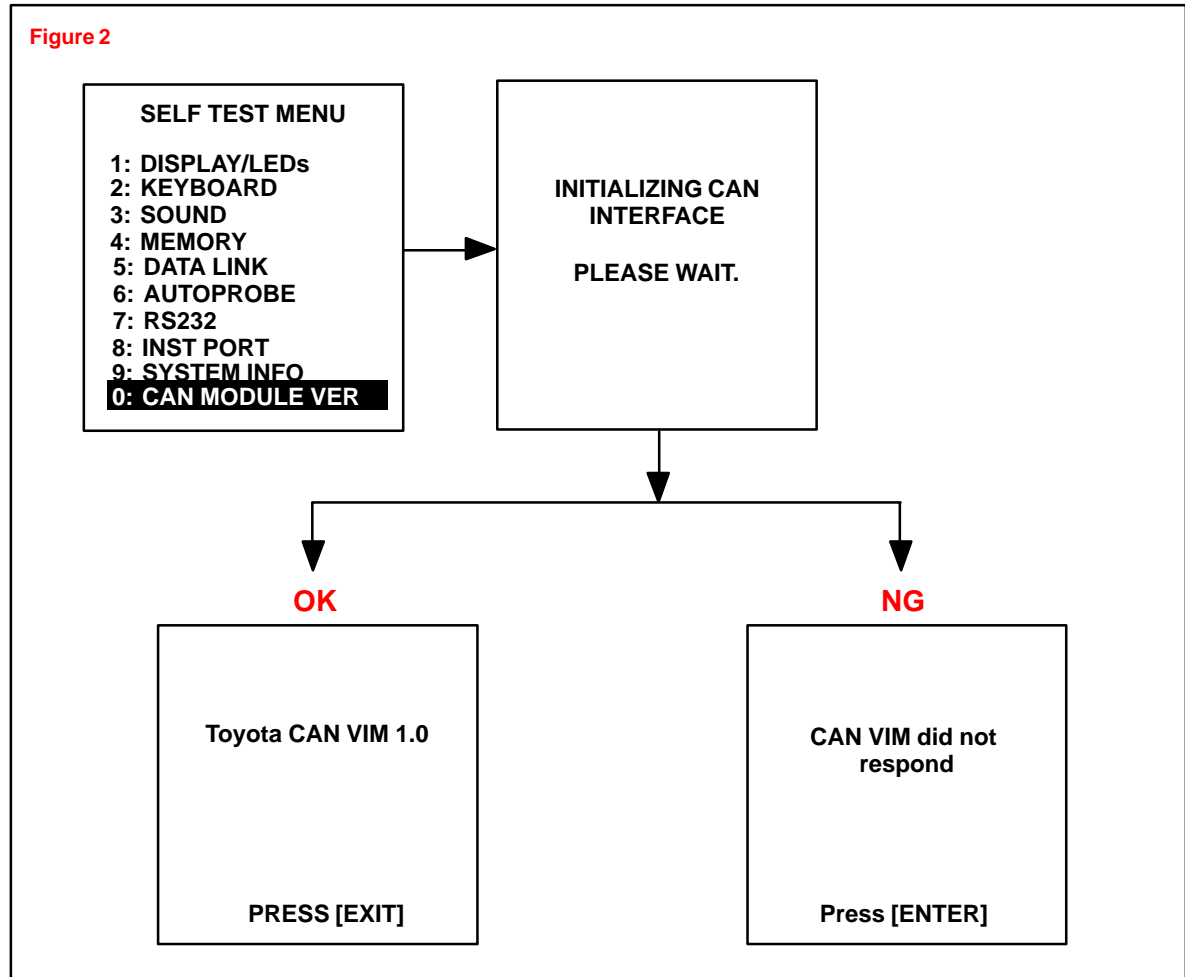
To lengthen the Diagnostic Tester cable life, do not wrap the cable around the tester, or hold the tester only by the cable.

Diagnostic Procedure
(Continued)

To determine the cause of communication error, perform the following steps:

- Using the Diagnostic Tester, perform the CAN MODULE VERSION self test. Select DIAGNOSIS/SETUP/SELF TEST and perform the following screen flow.

NOTE:
Before performing test, confirm that the Diagnostic Tester, 14/26 Pin DLC cable, and CAN Interface Module are all securely connected.



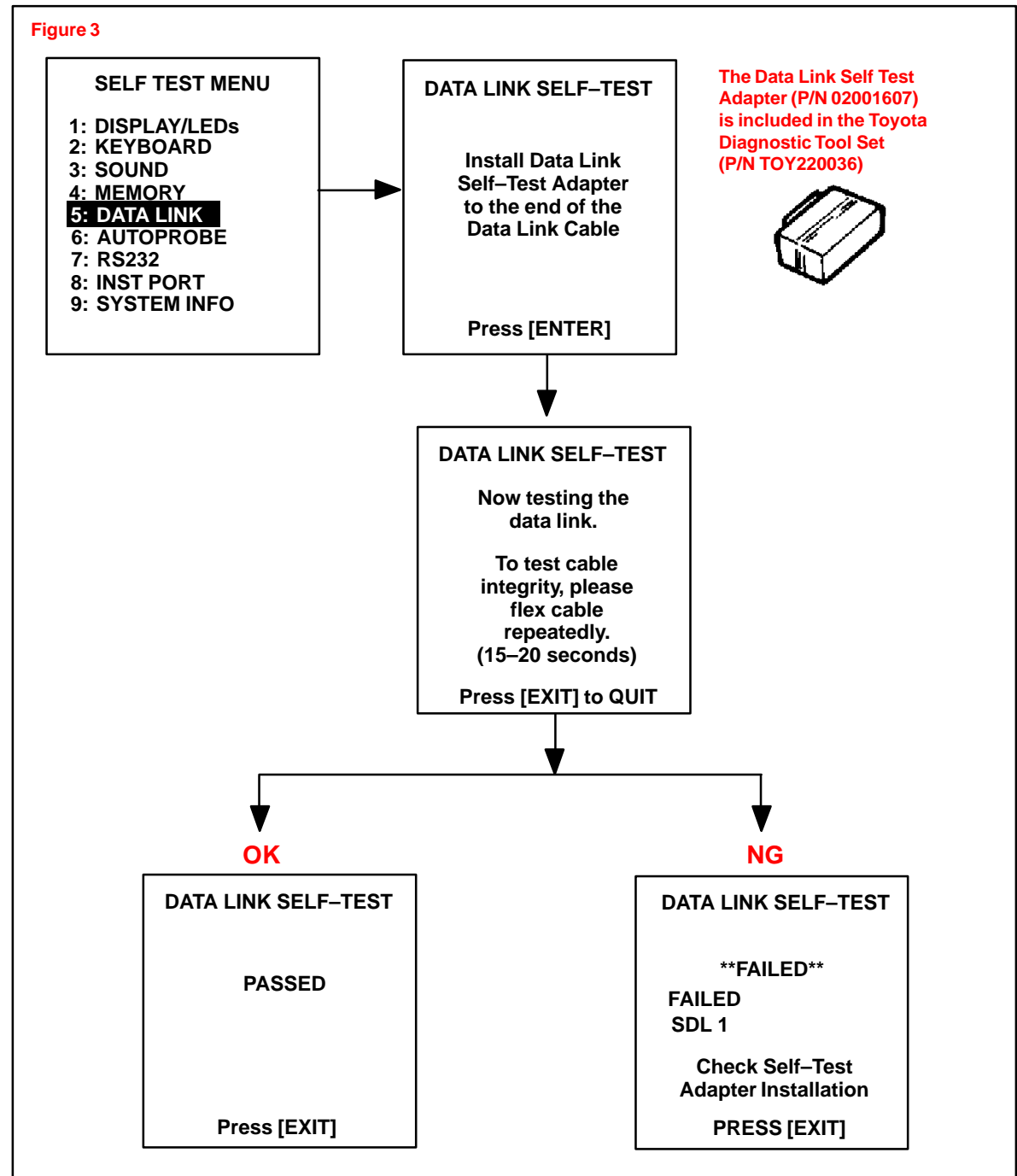
SELF TEST Result:



SELF TEST PASSED: Go to step 3.
This response verifies the CAN module and the 14/26 Pin DLC cable are OK.

Diagnostic Procedure
(Continued)

2. Perform the Data Link Self Test (Figure 3).



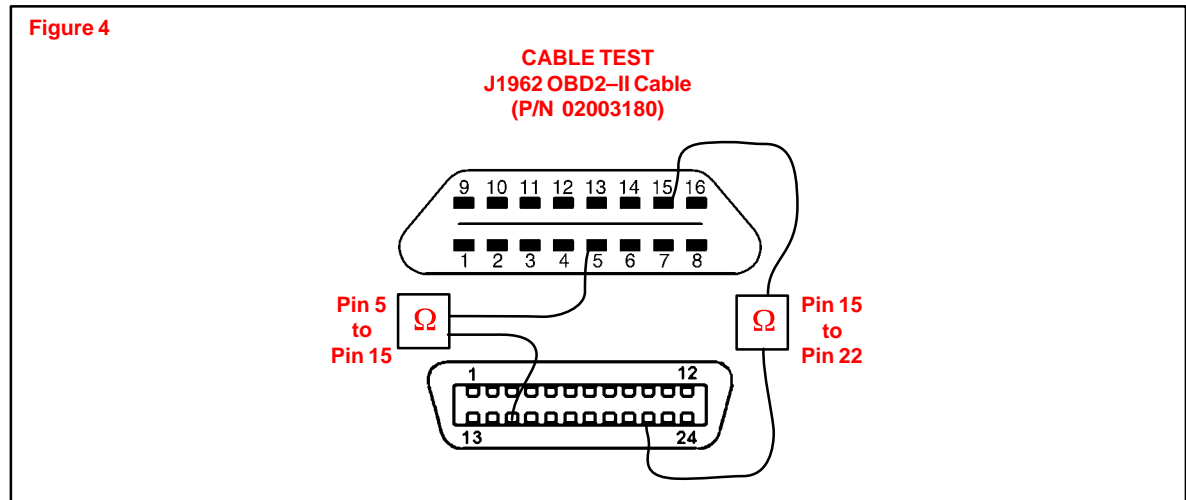
DATA LINK SELF TEST Result:



DATA LINK TEST PASSED: Replace CAN Interface Module (P/N 01002744).

Diagnostic Procedure
(Continued)

3. Inspect the J1962 OBD2-II cable (CAN DLC).
 - A. Disconnect the CAN Interface Module from the J1962 OBD2-II cable (CAN DLC).
A small Phillips screwdriver is required to separate the CAN Interface Module from the J1962 OBD2-II cable.
 - B. Test the J1962 OBD2-II cable (CAN DLC) for continuity.



J1962 OBD2-II Cable (CAN DLC) Test Result:

OK

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(More than 6 Ω)
Replace the J1962 OBD2-II cable
(CAN DLC, P/N 02003180).

Suspect vehicle side problem.
Refer to the Technical Information System (TIS): applicable model year Repair Manual: *Diagnostics: CAN Communication System: Problem Symptoms Table: Check CAN Bus Line.*

NOTE:
If the Diagnostic Tester successfully communicates with another CAN-equipped vehicle, suspect vehicle side problem.