



**Countries:** UNITED STATES      **Document ID:** IK1201381  
**Availability:** ISIS, FleetISIS, NotSIR      **Revision:** 1  
**Major System:** ENGINES      **Created:** 7/20/2017  
**Current Language:** English      **Last Modified:** 7/28/2017  
**Other Languages:** NONE      **Author:** Amber Chapman  
**Viewed:** 75

[Less Info](#)
[Hide Details](#)

Coding Information

|                  |                           |                                   |                         |              |                         |                |                    |
|------------------|---------------------------|-----------------------------------|-------------------------|--------------|-------------------------|----------------|--------------------|
| <b>Copy Link</b> | <b>Copy Relative Link</b> | <b>Bookmark</b>                   | <b>Add to Favorites</b> | <b>Print</b> | <b>Provide Feedback</b> | <b>Helpful</b> | <b>Not Helpful</b> |
|                  |                           |                                   |                         |              |                         |                |                    |
|                  |                           | <a href="#">View My Bookmarks</a> |                         |              |                         | 6              | 1                  |

**Title:** A26 - Communication related faults when connecting an electronic service tool (EST)

**Applies To:** A26

## CHANGE LOG

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

07/27/2017 - Initial Article Release

## DESCRIPTION

A26 - Communication related faults when connecting an electronic service tool (EST)

## SYMPTOM(s)

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

| DTC/Light                           | Description                                                             |
|-------------------------------------|-------------------------------------------------------------------------|
| SPN 1590 FMI 19                     | Adaptive Cruise Control Mode: received network data in error            |
| SPN 2000 FMI 9                      | Source Address 0: Abnormal update rate                                  |
| SPN 639 FMI 9                       | Source Address 0: Abnormal update rate                                  |
| SPN 131074 FMI 30                   | J1939 Network #1, FMI: Received Network (Previously SAE J1939 DataLink) |
| *Other communication related faults | See complete list of faults below in the Repair Steps section           |

### **Customer Observations or Concerns:**

When an electronic service tool is connected, it will cause various communication faults to occur. While customers may see these reported on their telematics devices, there are no related performance or drivability concerns. Codes can be cleared and will not return.

## **SPECIAL TOOL(s) / SOFTWARE**

| Tool Description | Tool Number | Comments | Instructions |
|------------------|-------------|----------|--------------|
| N/A              |             |          |              |

## **SERVICE PARTS INFORMATION**

| Kit Description | Part Number | Quantity Required | Notes |
|-----------------|-------------|-------------------|-------|
| N/A             |             |                   |       |

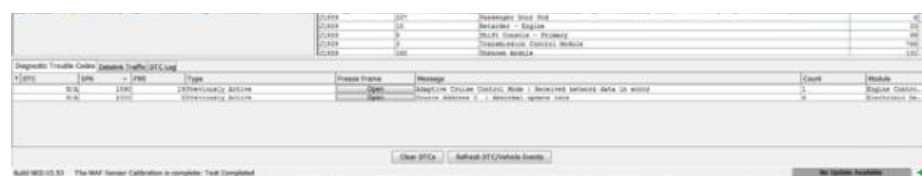
## **DIAGNOSTIC STEP(s)**

If there are “*previously active*” communication related codes do not diagnose. They can be cleared and disregarded (they will not set any warning lights or have any impact on performance). Note that these codes may come back as previously active if a request for parameter information is made in the service tool.

If these codes are ‘*active*’ then a real issue exists and should be diagnosed following the appropriate FCAP.

## **Root Cause**

When an EST is connected to the engine it sends a request to gather information over the datalink. While it is requesting this information from the engine, the engine stops broadcasting its status to the other modules, which in turn causes a fault for lack of communication. This can happen with any EST that requests engine parameter data when connected (NED, Accelerator tool, PocketMaxx, NavKal, etc.)



## **REPAIR STEP(s)**

If there are “*previously active*” communication related codes do not diagnose. They can be cleared and disregarded (they will not set any warning lights or have any impact on performance).

If these codes are 'active' then a real issue exists and should be diagnosed following the appropriate fault code action plan.

Other possible communication faults that can occur due to service tool or telematics connections are listed below. Before diagnosing any of these, verify that the codes are active:

0-SPN1590-19  
0-SPN2000-19  
0-SPN2000-9  
0-SPN2003-9  
0-SPN2011-9  
0-SPN2023-9  
0-SPN2062-9  
0-SPN3695-19  
0-SPN3696-19  
0-SPN560-19  
0-SPN639-12  
0-SPN639-14  
0-SPN639-19  
0-SPN639-2  
0-SPN639-9  
1-SPN639-2  
1-SPN639-9  
11-SPN639-12  
11-SPN639-14  
11-SPN639-2  
11-SPN639-9  
115-SPN639-2  
128-SID231-13  
128-SID231-9  
130-SID231-11  
130-SID231-13  
130-SID231-14  
130-SID231-2  
130-SID231-8  
136-SID231-12  
136-SID231-14  
136-SID231-2  
136-SID231-5  
136-SID231-6  
136-SID231-9  
140-SPN639-14  
140-SPN639-2  
140-SPN639-9  
15-SPN639-12  
150-SPN2000-19  
17-SPN639-2  
216-SID231-2  
223-SID231-2  
23-SPN2000-9  
23-SPN2003-9  
23-SPN2011-9  
23-SPN2023-9  
232-SPN639-2  
239-SPN639-9  
25-SPN639-2  
254-SPN2000-19  
254-SPN2000-9  
254-SPN2003-9  
254-SPN2011-9  
254-SPN639-14  
28-SPN639-19  
28-SPN639-2  
28-SPN639-9  
3-SPN2000-9  
3-SPN639-12  
3-SPN639-14

3-SPN639-2  
 3-SPN639-9  
 33-SPN2000-19  
 33-SPN2000-9  
 33-SPN2003-9  
 33-SPN2011-9  
 33-SPN2023-9  
 33-SPN2062-9  
 33-SPN639-14  
 33-SPN639-2  
 33-SPN639-9  
 42-SPN560-19  
 42-SPN639-2  
 42-SPN639-9  
 5-SPN2033-9  
 58-SPN2000-19  
 58-SPN2000-9  
 58-SPN2062-9  
 58-SPN639-2  
 61-SPN2000-9  
 61-SPN2023-9  
 61-SPN639-2  
 61-SPN639-9  
 74-SPN639-2  
 85-SPN639-9

---

## **WARRANTY INFORMATION**

N/A: Informational Only

### **Warranty Claim Coding:**

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

---



---

## **OTHER RESOURCES**

[Master Service Information Site](#)

|  Hide Details | Feedback Information |
|--------------------------------------------------------------------------------------------------|----------------------|
| <div>No Feedback Found</div>                                                                     | Viewed: 74           |
|                                                                                                  | Helpful: 6           |
|                                                                                                  | Not Helpful: 1       |

Copyright © 2017 Navistar, Inc.