



**SUBJECT:** Steering wheel nut may be loose.

**CONDITION:** Steering wheel nut not tightened to the appropriate torque value.

**APPLIES TO:** This bulletin applies to school bus chassis manufactured between December 21, 2010 and September 18, 2013.

**CORRECTION:** Apply correct torque to steering wheel nut.

**LABOR ALLOCATION:** .5 hrs.

**GENERAL INSTRUCTIONS:**

Please thoroughly review entire work procedure before starting work. If there are questions and/or concerns with steps defined in this procedure, contact Spartan Motors Chassis, Inc. Customer & Product Support Group.

All applicable industry safety standards must be followed when performing work identified in this procedure.

**STEP-BY-STEP INSTRUCTIONS:**

1. Remove the horn button from the steering column by gently lifting the edge with a screw driver until it releases. Refer to FIG. 1-1.



**FIG. 1-1**

2. Disconnect the yellow wire from the horn button by gently wiggling the wire back and forth from its connection. Refer to FIG. 2-1.

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**FIG. 2-1**

3. This next step requires two individuals. With one person holding the steering wheel in place, the 2<sup>nd</sup> person torques the steering wheel nut to 60 lbs. ft. with a calibrated torque wrench.
  - a. 1 ¼” deep socket is needed.
4. Reconnect the yellow wire from step 2 to the horn button and verify it's seated onto the connector.
5. Orientate and reinstall the horn button onto the steering column and verify it's seated. Refer to FIG. 3-1.



**FIG. 3-1**

6. Verify the horn operates.

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