



# Spartan Motors Chassis, Inc.

SERVICE BULLETIN

TSB13-500-001

10/3/2013

- SUBJECT:** Air springs may not inflate before moving the motor home.
- CONDITION:** During low voltage conditions, the Interface Module may not activate the Hadley Air Level system module.
- APPLIES TO:** This bulletin applies to K2 and K3 model motorhome chassis assembled by Spartan Motors Chassis, Inc. between January 4, 2007 and June 26, 2013.
- CORRECTION:** Change the constant battery circuit of the module to a switched power source. In this case the accessory circuit will be used.
- LABOR ALLOCATION:** .5 hrs.

**PARTS NEEDED:**

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	S-2409-001	Interface Module Rework

**Kit # S-2409-001 Contains:**

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
1	0636-GG5-1051	Cavity Plug
1	TSB13-500-001	Document Information

**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.

**Temporary Solution:** The Interface Module as shown in FIG. 2-1 may be disconnected and reconnected as a temporary solution until service can be performed.

Technical Service Bulletins are intended for use by Professional Technicians only. They are written to guide Professional Technicians in performing service to vehicles of product specific nature in conjunction with industry standards. Professional Technicians are appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.



**STEP-BY-STEP INSTRUCTIONS:**

1. Locate the Interface Module.

**NOTE:** Typically located in the left front compartment (refer to FIG. 2-1) or on the left side of the front bulkhead not shown.



**FIG. 2-1**

2. Disconnect the module connector.

**NOTE:** Removing the module from the vehicle may be necessary to complete the following steps.

3. Remove wire SP356 (pink) from cavity “S” and remove wire SP086 (red) from cavity “K”.  
Removing wires from the GT-280 Series Connectors:
  - a. Gently pry up both sides of the purple Terminal Position Assurance (TPA) and set aside.
  - b. Using a Delphi depinning tool (12094429) or similar, gently pry the lock away from the terminal with one hand and with the other hand, gently pull the wire and terminal from the connector.
4. Install supplied cavity plug into cavity “S”.

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5. Splice together wires SP356 and SP086 by soldering and applying heat shrink to the solder joint.

6. Reinsert SP086 back into cavity “K”.

Inserting wires into the GT-280 Series Connectors:

a. Align the terminal with the open side of the terminal and the connector terminal lock.

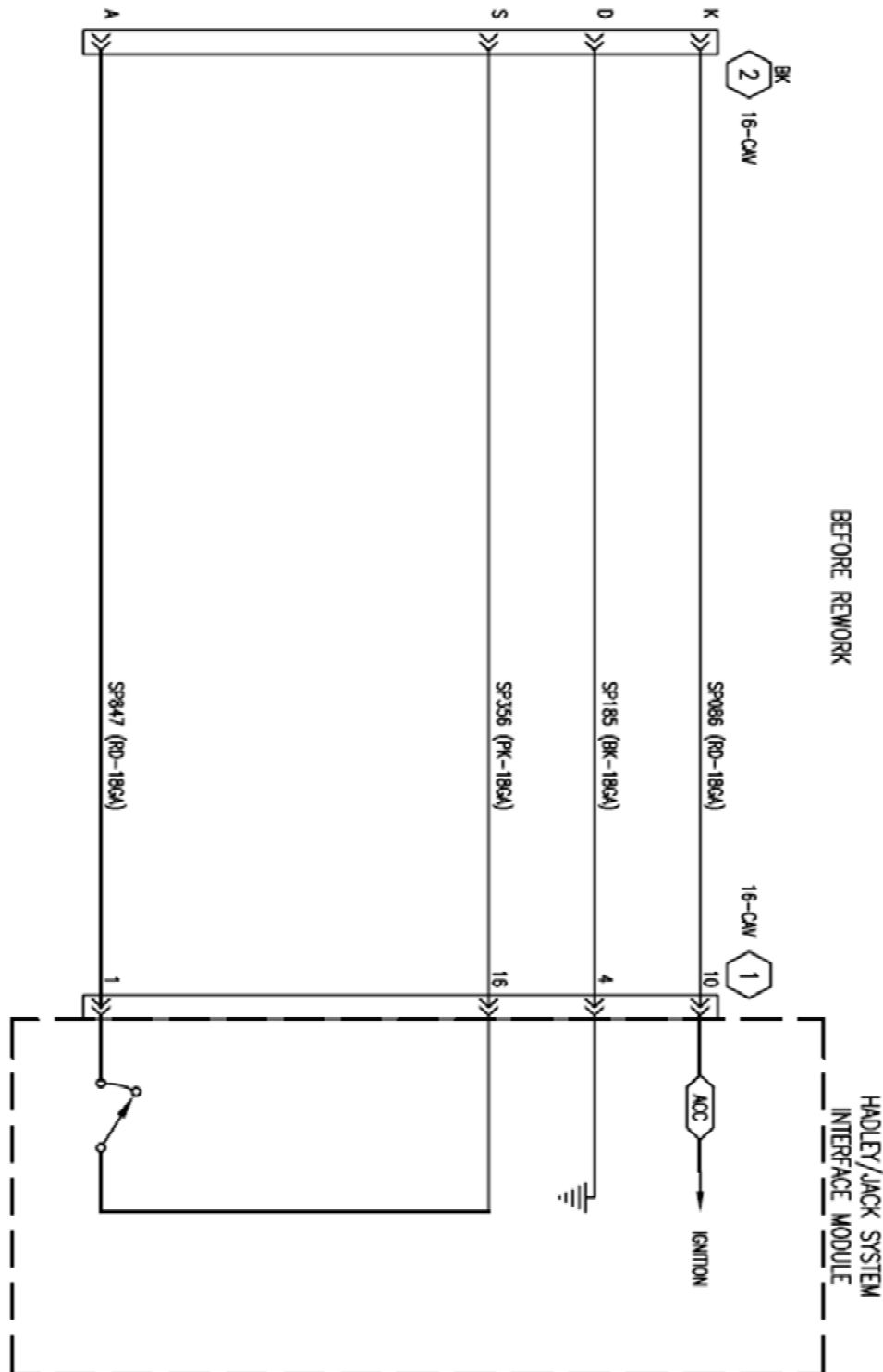
b. Gently insert the wire and terminal until a “click” is heard.

c. Visually inspect the terminal to verify the terminal and lock are properly seated.

d. Install the purple TPA, pushing it down until it’s flush with the top of the connector.

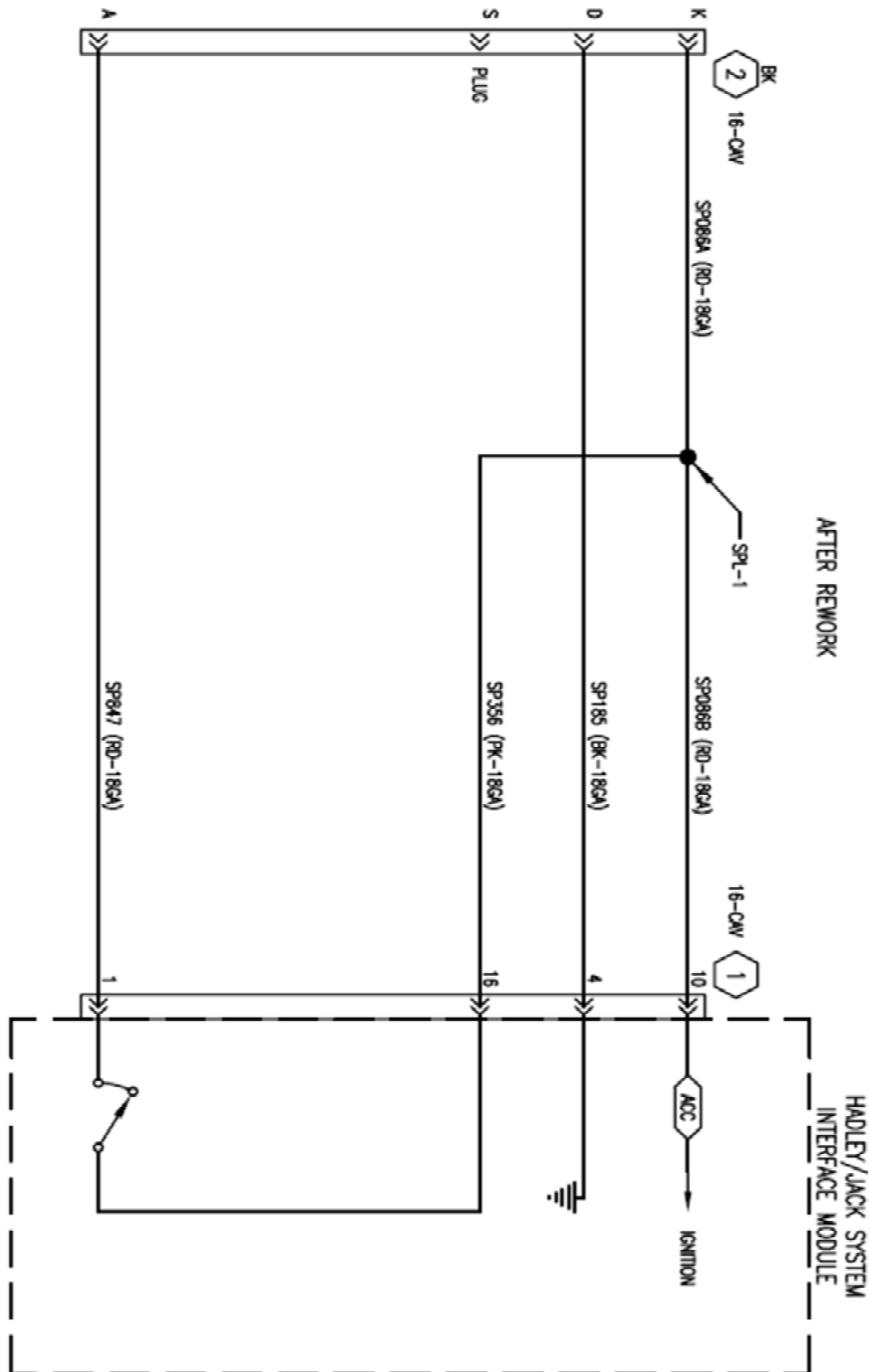
7. Refer to FIG. 3-1 and 4-1 below, for a schematic of “before rework” and “after rework”.

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**FIG. 3-1**

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**FIG. 4-1**

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