

# Technical Bulletin

Division: Automotive

Section Title: Body, Cab & Accessories

Category: Technical

TSB No. TS 11 10157R

**SUBJECT: SAFETY RECALL CAMPAIGN “NB” LOW BEAM HEADLIGHT AND DAYTIME RUNNING LIGHT (DRL) SPLICE PACK REPAIR**

**MODEL(S): FORENZA SEDAN/WAGON, RENO (RQ420)**

**YEAR: 2004~2006**

**REVISION: THE VIN RANGE AND PARTS INFO HAS BEEN UPDATED**

**AFFECTED VIN(S): ALL 2004, 2005, AND CERTAIN 2006 MY UP TO ~6K369480**

**CONDITION:** Possible high resistance in the S201 splice pack may cause low beam headlights and DRL to not operate.

**CAUSE:** Affected vehicles were produced with splice packs which may have high resistance at the headlight lamp splice. It is possible for this high resistance to generate enough heat to melt the splice pack eventually causing the circuit for the low beam headlights and DRL to open. The low beam and DRL may not function if the circuit opens. A burning smell may also be present from the instrument cluster area.

**CORRECTION:** Please follow the instructions below to bypass the S201 splice pack on vehicles in the affected VIN range. The circuit for the headlights will be joined with a special crimp connector. This will join the circuit with mechanical force, a solder welded joint, and adhesion of the wire insulation. The same procedure is used for all listed models. Note that the cluster bezels may differ in appearance, Forenza sedan is shown.

**WARRANTY:** Please refer to the Campaign Bulletin SC-41 for claim submission instructions and labor times

**PART(S) INFORMATION:**

Splice Pack Repair Kit Part Number	Part Numbers	Description	QTY	Notes
SPK10057*	35084MA	Ratchet Crimper	1	Recommended tool
	99963-85ZSC	Crimp Solder Connector	1	10 crimp connectors per package. Connector shrinks, solders, and seals when heated. Additional crimp connectors packs can be ordered from parts.
	AKS1400	Heat Gun	1	Heat gun for tight locations with metal heat spreader. <u>Some kits may have black shrink tubing included which are not used for this TSB.</u>

\* The Splice Pack Repair Kit will automatically be shipped to each dealer. The heat gun and crimper will be at no charge. Each kit will also include 2 packages of 10 crimp connectors. Additional crimp connector packages can be ordered through parts. Additional tools can only be ordered from Suzuki Pitstop. Normal charges apply for any additional kits, tools, or crimp connector packages.

Technical Service Department  
Dealership Circulation - Initial and file:

Service Manager	Parts Manager	Service Advisor	Technicians						

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## Splice Pack Repair Procedure

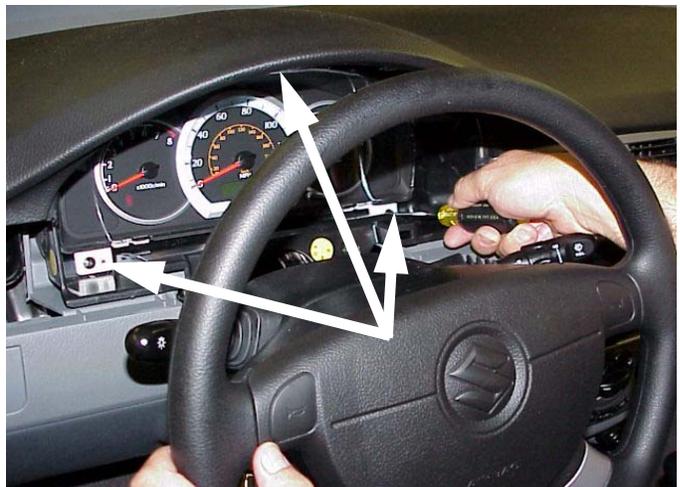
1. Disconnect the battery negative cable. Tilt wheel to the max down position. Remove instrument cluster bezel by removing the two screws.



2. The bezel is secured along the bottom with clips. Some force is required to release clips. Remove the bezel by sliding towards you and tilting up behind steering wheel.



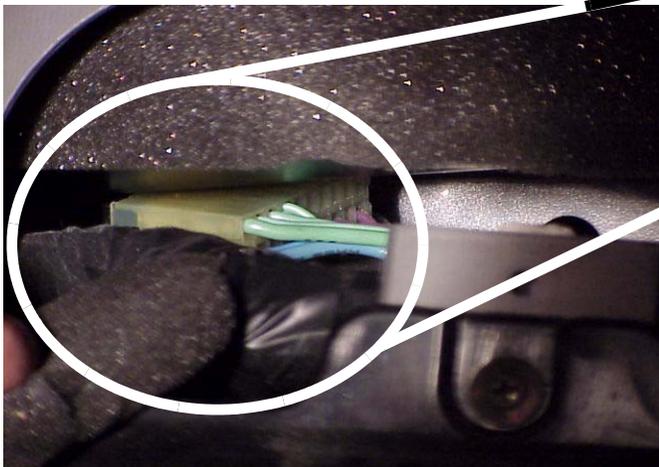
3. Remove the three instrument cluster screws.



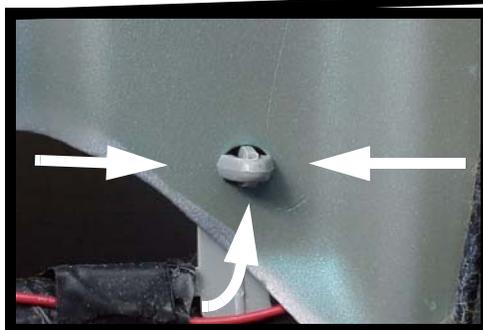
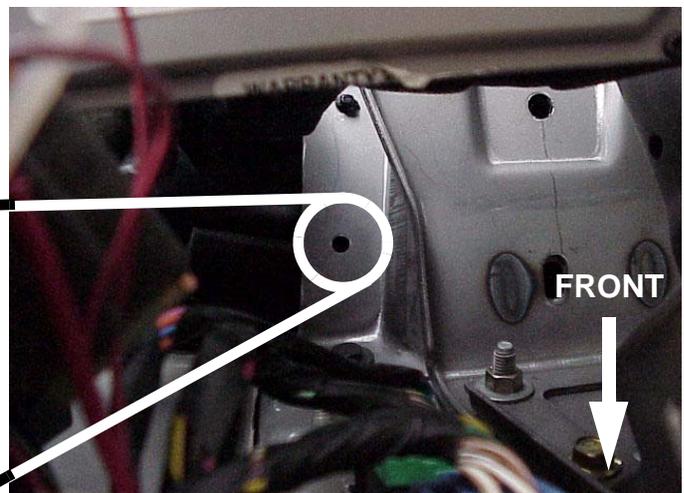
- Slide instrument cluster forward enough to remove the three electrical connectors. Then remove and set the instrument cluster aside.



- The splice pack with the low beam head light circuit (S201) will need to be removed from its anchor.



- Under the dash to the left of the steering column directly under the splice pack, release the anchor of the splice pack by squeezing the anchor catches. Then, push the anchor through the hole.



7. Back up at the instrument panel opening, pull the splice pack out from in between the A/C duct and dash support structure. Inspect the splice pack for the three violet wires shown. If present continue to step 8. If they have been cut off, a repair attempt has been made which will have to be removed and then repaired as described starting with step 8.

**NOTE:**

**With the splice pack anchor facing you as shown, the three violet wires will be on top.**



8. Cut the three violet wires just behind any heat damage if it exists. If a repair has already been attempted remove the repair by cutting the wires as close to the repair as possible.



9. Strip about half an inch of insulation off the end of each violet wire and twist the stripped ends together. (It may be necessary to remove some of the harness wrap to expose enough of the violet wires to work with.)

**NOTE:**

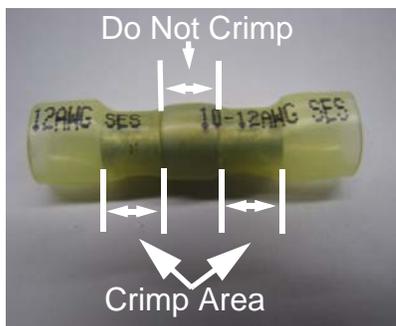
**Hands must be clean of any grease when preparing wires for connection. Any grease or foreign matter on the wires will prevent solder from adhering to the copper wire strands.**



10. Insert the twisted wire end fully into the specified crimp connector. The exposed copper wire should be completely inserted in the metal barrel of the crimp connector. The wire insulation should be inside of the clear area of the connector touching the barrel.



11. Fully crimp the connector using the ratchet crimper. Note the crimper will release automatically if crimped properly.



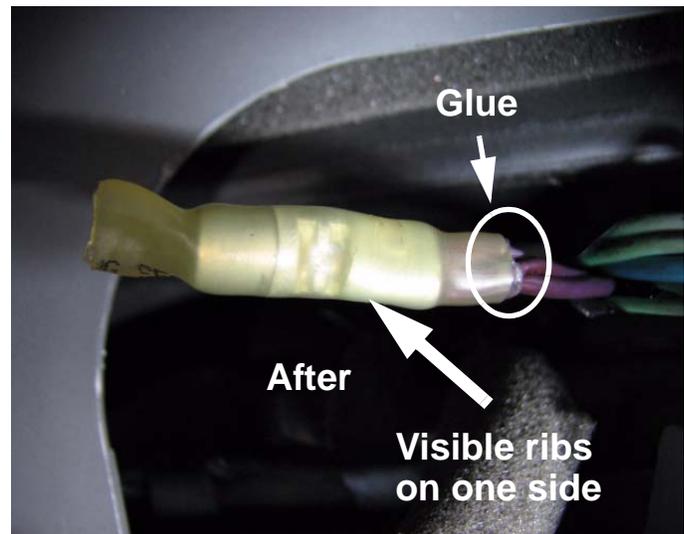
12. Shrink the crimp connector with the specified heat gun. Start at the open end off the connector. DO NOT use an open flame.
13. Once the end shrinks, gently squeeze it flat with a pair of needle nose pliers before it cools. Continue to heat the crimp connector until the solder has melted and wicked into the wire.

**CAUTION:**

**Do not allow the heat gun shield to contact any of the plastic or foam in the dash area you are working in.**



14. When the solder has melted you will see the centering ribs on one side of the crimp connector and the glue should start coming out around the wires.



15. Temporarily connect the three instrument cluster connectors to the instrument cluster. Connect the battery negative terminal and test the headlight operation. The key must be in the ON position for the headlights to operate. If the headlights do not operate further circuit diagnosis will be required. Please contact the Suzuki Techline if assistance is required. If headlights operate, continue to step 16.



16. Turn ignition OFF. Disconnect battery negative cable. Remove instrument cluster.
17. Re-install the splice pack back into its original position to prevent dash rattles. It is not necessary to insulate the wires on the splice pack they are no longer powered.
18. Re-install the instrument cluster and bezel. Re-connect the battery negative terminal.
19. If the "Air Bag"  warning light is ON after repair, clear the DTCs. The light will not go OFF until the ignition key is cycled OFF then ON.

