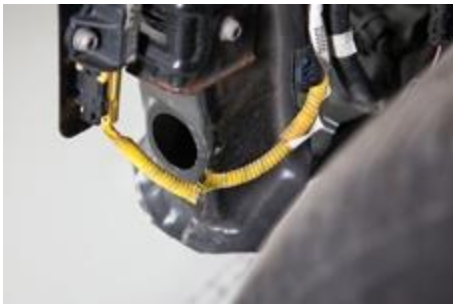
Restraints Wiring Repairs-

What is allowed and what's not- per manufacturer.



Any questions please contact the office or talk to one of our technicians.

Do NOT Repair

Honda / Acura

Per the Honda and Acura repair information states: "Never attempt to modify, splice, or repair airbag system wiring. If airbag system wiring is damaged, replace the wiring harness(es)."

Hyundai

Per the Hyundai service information: "Never attempt to modify, splice, or repair SRS wiring. If there is an open or damage to the SRS wiring, replace the harness."

Jaguar Land Rover

Per the Jaguar and Land Rover Workshop manuals: "Given the legal implications of a restraints system failure, harness repairs to Air Bag module circuits are not acceptable. Where the text refers to "REPAIR the circuit", this will normally mean the replacement of a harness."

Kia

Per Kia service manual: "SRS wiring can be identified by special yellow outer covering. Observe the instructions described in this section. Never attempt to modify, splice, or repair SRS wiring. If there is an open or damage in SRS wiring, replace the harness."

Mazda

Per the Mazda service information: "Incorrectly repairing an air bag wiring harness can accidentally operate (deploy) the air bag module and pre-tensioner front buckles. If a problem is found in the air bag wiring harness, always replace the wiring harness with a new one."

Nissan / INFINITI

Per the Nissan and INFINITI service information: "DO NOT Attempt to repair, splice or modify the SRS wiring harness. If the harness is damaged, replace it with a new one."

Subaru

Per Subaru service information: "If damage, open circuit or rust is found on airbag system wiring harness, do not repair the harness. Always replace the faulty harness with a new genuine part."

Tesla

Per Tesla Body Repair Tech Note: Repairing Electrical Harnesses: "The wires listed below are not repairable. Replace the entire wiring harness if there is damage to any of these wires:

- Airbag sensor and seat sensor
- High-voltage (HV) circuits"

Toyota / Lexus / Scion

Per Toyota CRIB #160 SRS Precautions: "Never repair SRS wiring or connectors. Replace damaged wiring."

Volkswagen

Per the Volkswagen position statement, Supplemental Restraint System Wiring Harnesses Applicable To All Volkswagen Models: "Do NOT attempt to repair the SRS wiring system or related components on any Volkswagen vehicle. Replace any damaged or bent SRS components with Genuine Volkswagen Parts. Some fasteners and clips are non-reusable; refer to the Volkswagen repair manual for more information."

Repairs Allowed

Audi

Per the Audi repair manual: "The airbag and seat belt tensioner system can fail.

- Faulty repairs performed on airbag and seat belt tensioner system can lead to malfunction in passenger protection.
- When performing repairs on airbag and seat belt tensioner wiring harness, use only terminals, connectors and wires designated for it. Refer to the Parts Catalog."

BMW / Mini

Per BMW service information: "Only repair those cables which show visible signs of damage. In the event of visible damage, make sure there is only one cable repair in effect after the repair work. If no visible damage can be identified, the entire cable must be replaced. When carrying out repairs to the airbag wiring harness, you must use the spare parts offered in the Electronic Parts Catalogue (EPC)."

Chevrolet / Cadillac / Buick / GMC

Per the General Motors (GM) service information Document ID 325229 - SIR/SRS Wiring Repairs: "The Supplemental Inflatable Restraint (SIR) System/Supplemental Restraint System (SRS) requires special wiring repair procedures due to the sensitive nature of the circuitry. Follow the specific procedures and instructions when working with the SIR/SRS, and the wiring components, such as connectors and terminals."

Fiat / Chrysler / Dodge / Jeep / RAM / Alfa Romeo

Per FCA/Stellantis service information: "It is important when repairing any Supplemental Restraint System (SRS) electrical circuits to use the recommended splicing kit and procedure.

This recommended procedure involves crimping the wires together with a splice band, soldering the crimped connection and, finally, sealing and protecting the repair. The crimp and solder ensure a strong mechanical bond that will always pass a pull test while also maintaining the conductivity and current carrying capacity of the circuit. The adhesive sealant and heat shrink tubing ensures the splice repair will perform as well or better than the original wire and be safe from potential corrosion or short circuits.

There is no limit to the number of splice repairs that can be made in one harness using this procedure. However, as has been past practice, multiple adjacent splices should be offset from each other. This wiring splice repair procedure is approved for harness side repairs only. Repairs and splices to pigtail wires on SRS components such as airbag units, seat belt tensioner units or clocksprings are not approved or recommended."

Ford / Lincoln

Per our contacts at Ford: "Refer to Ford service information regarding SRS system wiring and connectors. Ford Technical Service Bulletin (TSB) 05-18-7 (August 29, 2005), states that if restraints connectors or wiring are contained in:

- a stand-alone harness, do not repair them. Replace the restraints harness unless directed to repair the circuit by a TSB or other Ford publication.
- the main vehicle wiring harnesses, they should be repaired using the solder and heat-shrink repair procedures in this TSB. The General Wire Terminal Repair Kit contains gold-plated terminated pigtails (with white insulation) and dual-wall heat-shrink tubing to perform these repairs. Loaded wiring pigtail kits with goldplated terminals are also available in the parts catalog."

Mercedes-Benz / Smart

Per the Mercedes-Benz service information: "The SRS wire harness pigtail is replaced using solder connectors. Contact a Mercedes-Benz part dealer."

Mitsubishi

Per the Mitsubishi service information: "Do not attempt to repair the wiring harness connectors of the SRS. If any of the connectors are diagnosed as faulty, replace the wiring harness. If the wires are diagnosed as faulty, replace or repair the wiring harness according to the following table." The table can be found in the Mitsubishi repair information.

Volvo

Per the Volvo service information: "Caution! As the SRS system is a safety system, it is extremely important that these instructions are carefully followed when carrying out repairs in the cable harness."