

SYMPTOM DESCRIPTION

On some vehicles, the seat belt fastened sensor may incorrectly cause the lighting of the airbag warning light on the instrument panel or the sounding of the seat belt reminder buzzer although the seat belt is fastened correctly.

REPAIR TO BE PERFORMED

Rework of the belt branch wiring layout by bypassing the connector.

Operation 1 - Rework of belt branch wiring layout (connector bypass)

Removal

Only valid for 500 BEV

- Cut the low voltage supply as described in the procedure **1201A03 - INTERRUPTION AND RESTORATION OF LOW VOLTAGE 12V** in the repair manual.

Only valid for STELVIO, GIULIA, 500X

- Disconnect the negative battery clamp.

Only valid for STELVIO, GIULIA

- Remove the head restraint as described in procedure **7045B10 - FRONT SEAT HEAD RESTRAINT, LH OR RH - R.R.** in the repair manual.
- Remove the front seat as described in procedure **7045A10 - FRONT SEAT (ONE), LH OR RH - R.R.** in the repair manual.

Only valid for 500 BEV, 500X

- Move the front seat on driver's side to the end of its travel.
- Release the fasteners according to the procedure in the manual and recline the driver's

side front seat forward.

Valid for all models

- Under the seat, remove the retainers (1a) of the wiring harness (1b) and connector. Cut the cables and remove the connector (1).

Cut the cables as close to the connector as possible.

- Strip a sufficient length of sheathing and cloth tape from the wiring harness to allow insertion of the heat-shrink sleeves.

Take care not to damage the electrical wires.

- Strip the cable ends and insert the heatshrink sleeves (1).

- Interlace the cable strands, taking care to respect the positions occupied in the connector.

Make sure that the diameter of the interlacing does not exceed the outer diameter of the cables and that it is carried out respecting the correspondences that the cables had in the connector.

- Position the tubes (1a) placing the tin ring (1b) on the middle of the strands and warm the heat-shrink sleeves using a hotair plastic welding gun equipped with the

heat shield tool 2000029200 (1c).

- The tubes (1a) must be warmed until the sealing rings (2a) stick to the cable, ensuring a watertight seal, and the tin ring (1b) melts, soldering the joint.

Considering the high temperatures reached, the gun and the heat shield must absolutely not come into contact with any part of the operator's body (burn hazard) or parts of the seat (fire hazard) while warming the heat-shrink sleeves.

Heat the sleeve very carefully to avoid damage and consequent loss of tightness.

Wait for the sleeve to cool down before handling the joint.

Cover the connected section with cloth tape to protect the joint.

- Remove the retaining clip (1a), taking care not to damage the wiring and secure it with a new clip (1b).

Take care not to damage the electrical wiring.

- Fit the retainer (2a) in place.

Refitting

Only valid for 500 BEV, 500X

- Move the driver's side front seat into position and secure it according to the procedure in the manual.

- Take the front driver's side seat to the original position.

Only valid for STELVIO, GIULIA

- Fit the front seat as described in procedure **7045A10 - FRONT SEAT (ONE), LEFT OR RIGHT - R.R.** in the repair manual.
- Fit the head restraint as described in procedure **7045B10 - FRONT SEAT HEAD RESTRAINT, LH OR RH - R.R.** in the repair manual.

Only valid for STELVIO, GIULIA, 500X

- Connect the negative battery clamp.

Only valid