

JLRTB02076NAS1

TECHNICAL BULLETIN

08 JUN 2021



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NOTE: The information in Technical Bulletins is intended for use by trained, professional Technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these Technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by 'do-it-yourselfers'. If you are not a Retailer, do not assume that a condition described affects your vehicle. Contact an authorized Land Rover service facility to determine whether this bulletin applies to a specific vehicle.

INFORMATION**SECTION:**

419-01B

SUBJECT/CONCERN:

Intermittent Passive Entry Operation

AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:
Defender (LE)	2020 Onwards	000001 Onwards	Nitra (Slovakia)

MARKETS:

NORTH AMERICA

CONDITION SUMMARY:

SITUATION:

Intermittently, the passive unlock feature does not work unless the smart key is in the customers hand, close to the vehicle.

CAUSE:

Under investigation.

ACTION:

Follow the instructions below.

PARTS:**NOTE:**

An allowance equivalent to \$0.70 has been allocated per repair to locally source a 10 mm internal diameter ground terminal and a 200 mm length of 0.65 mm diameter wire.

PART NUMBER	DESCRIPTION	QUANTITY
ZZZ001	Ground terminal and 200 mm length of 0.65 mm diameter wire	\$0.70
YPC911670	Connector	1
418-075	Pre-terminated lead	3
418-411-45	Pre-terminated lead	2
418-107	Splice connector	3
418-104	Heatshrink sleeve	6
418-112	Identification sleeve	1
LR149753	Radio Frequency (RF) receiver	1

TOOLS:

**418-595**

Extraction tool

WARRANTY:**NOTES:**

- Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Use TOPIx to obtain the latest repair time.
- The JLR claims submission system requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero.

DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
JLRTB - Radio Frequency (RF) receiver - Install in new location	99.01.46	0.8	FH	LR149753

NOTE:

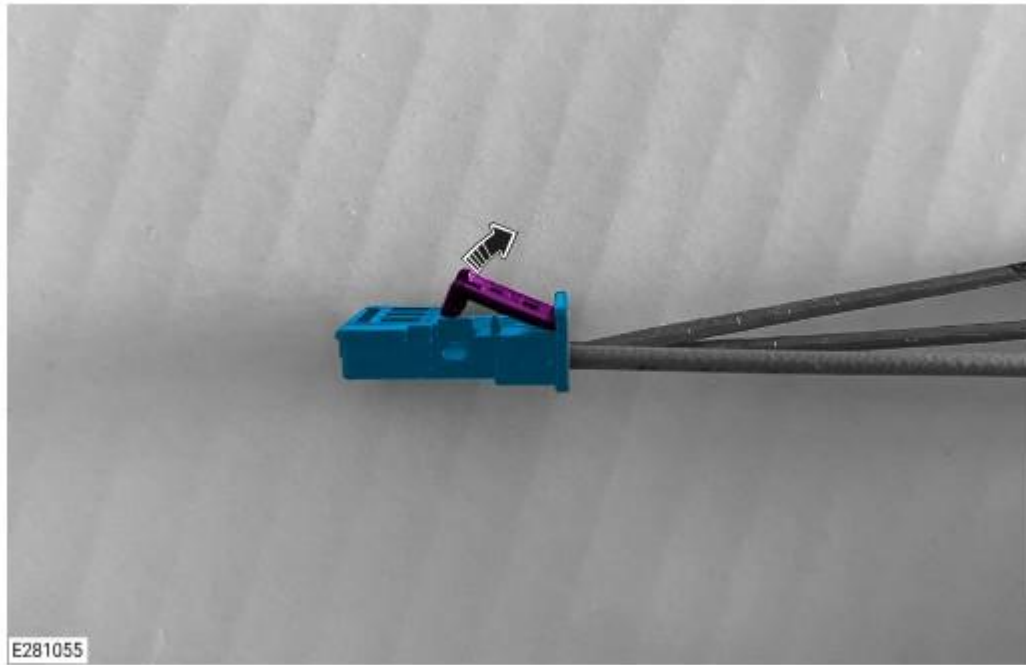
Normal Warranty procedures apply.

SERVICE INFORMATION:

1. Before completing this technical bulletin, make sure you understand the Jaguar Land Rover (JLR) approved wiring harness repair methods (see TOPIx Workshop Manual section 418-02: Wiring Harnesses - Description and Operation - Wiring Harness).

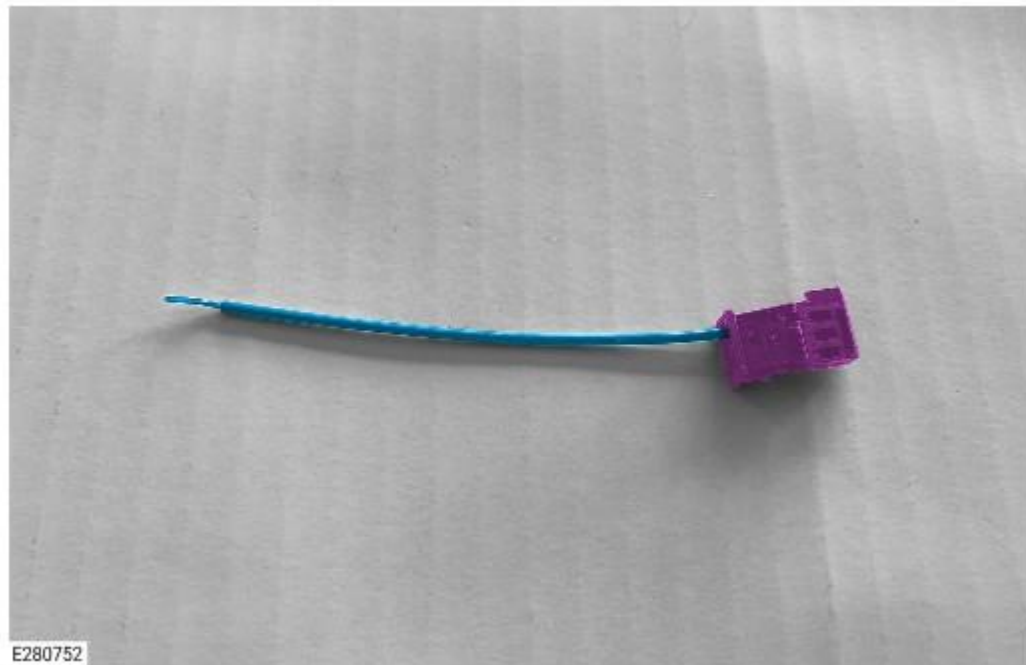
SERVICE INSTRUCTION - LINK LEAD ASSEMBLY:

1.



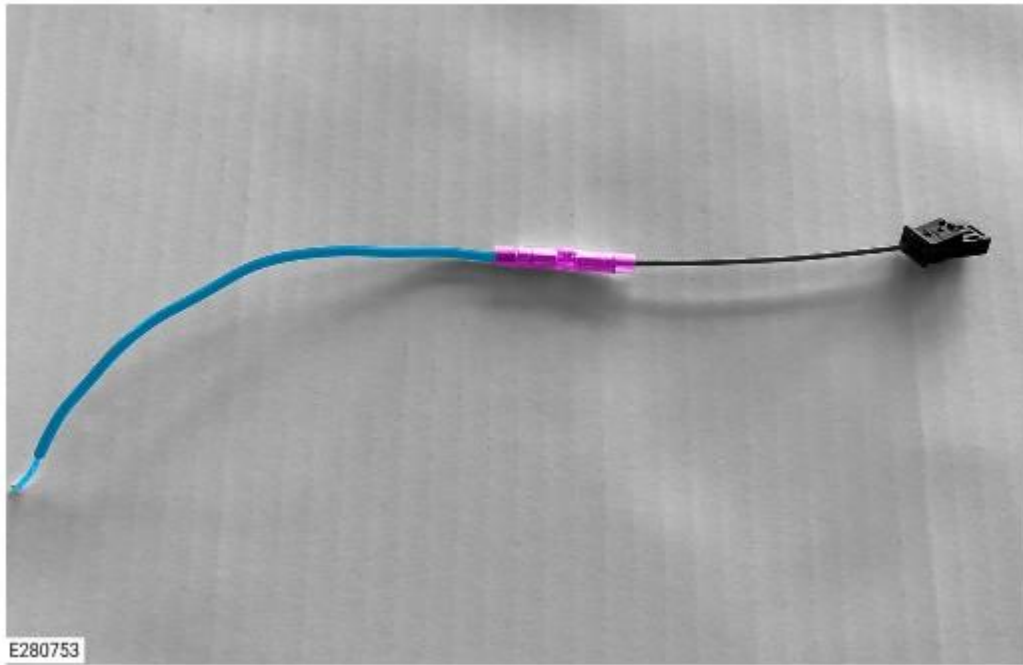
Make sure the terminal lock on the connector (YPC911670) is in the unlocked position.

2.



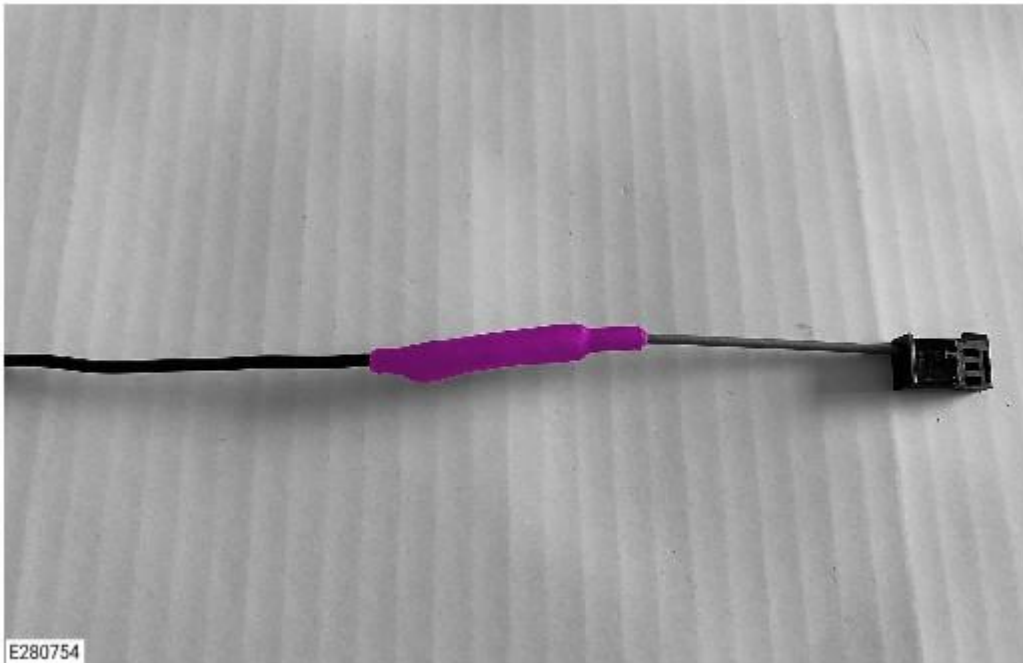
Insert a pre-terminated lead (418-075) into cavity 1 of the connector (YPC911670).

3.



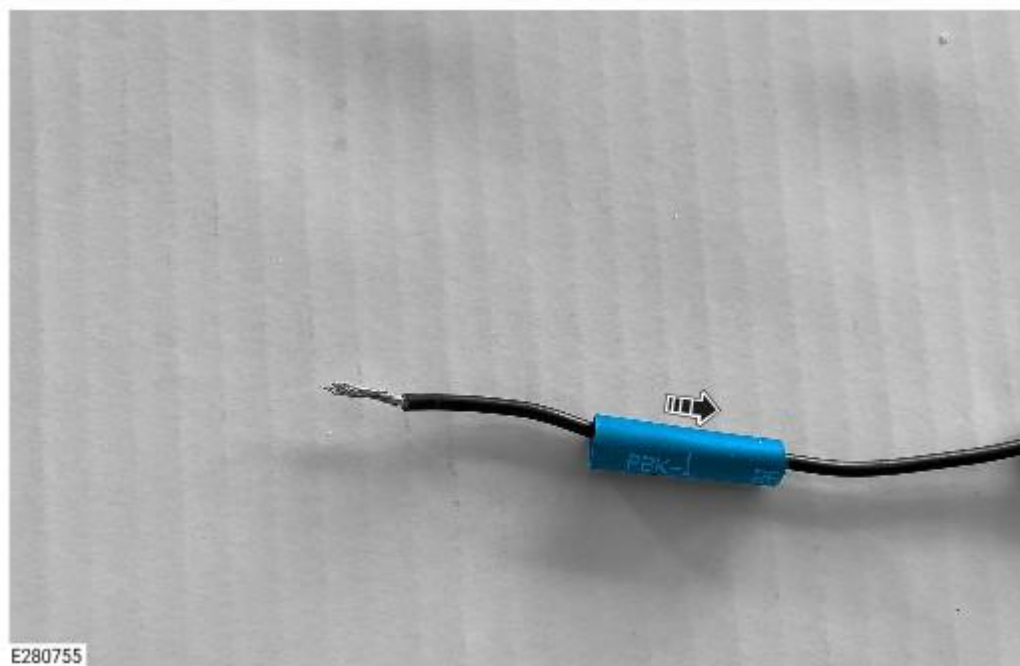
Using a splice connector (418-107), join a 200 mm length of 0.65 mm diameter wire to the pre-terminated lead.

4.



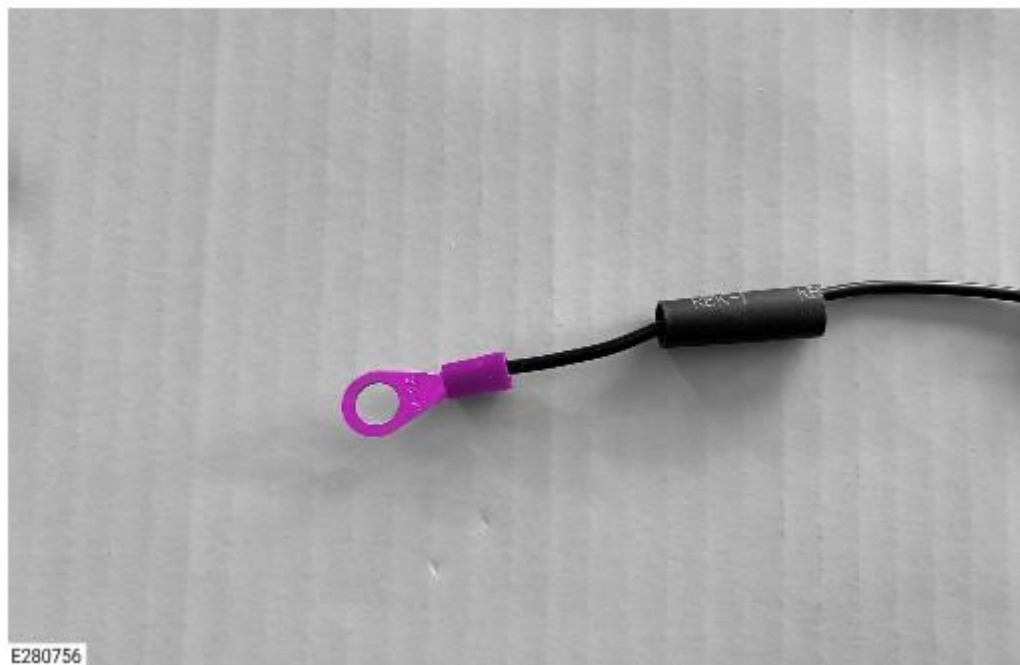
Slide a heatshrink sleeve (418-104) over the splice connector and using a hot air applicator, carefully apply the heat until the glue appears at both ends.

5.



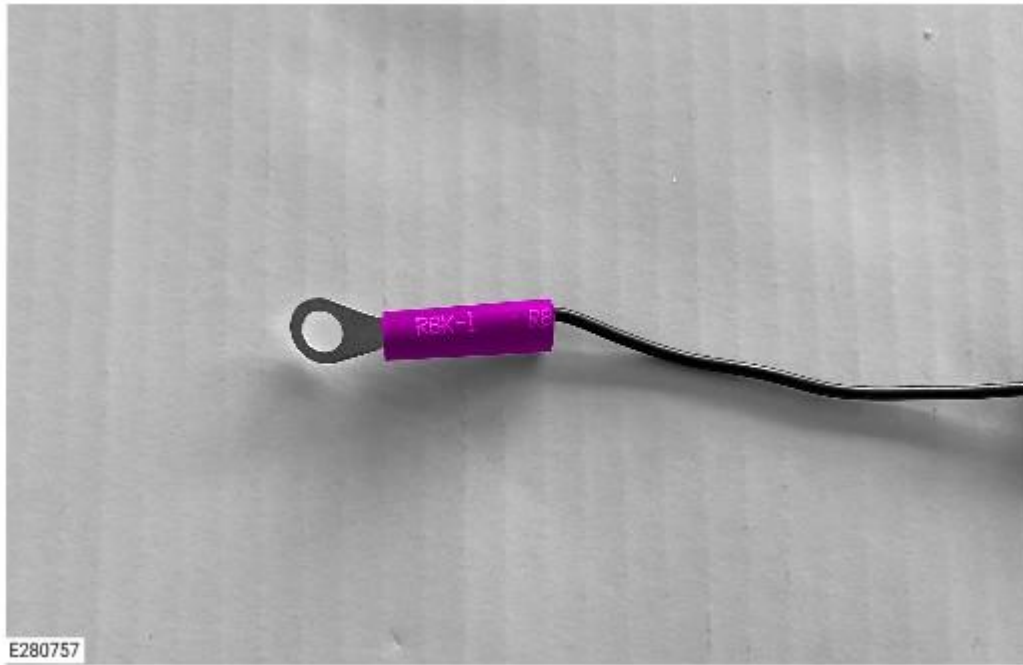
Slide another heatshrink sleeve (418-104) over the wire but do not heat at this point.

6.



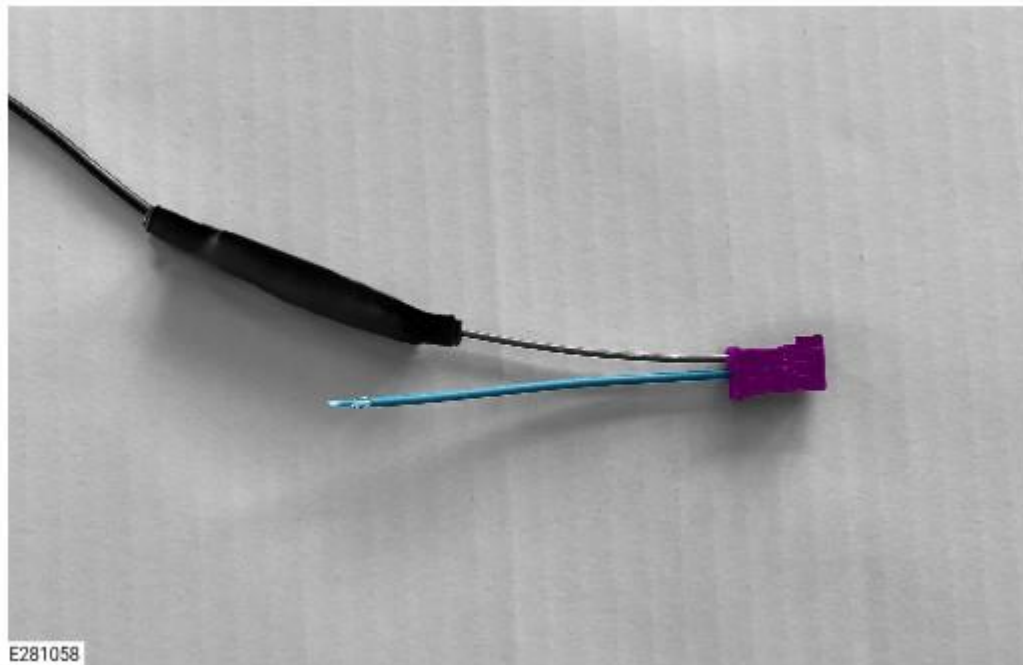
Install a locally sourced 10 mm internal diameter ground terminal to the end of the wire.

7.



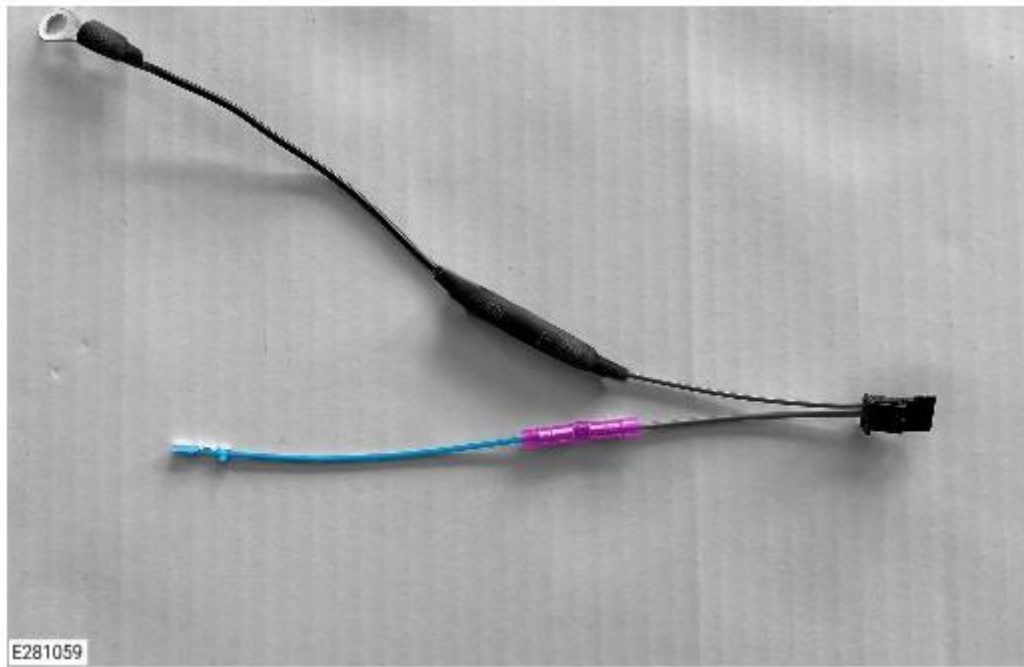
Slide the heatshrink sleeve (418-104) over the ground terminal and using a hot air applicator, carefully apply the heat until the glue appears at both ends.

8.



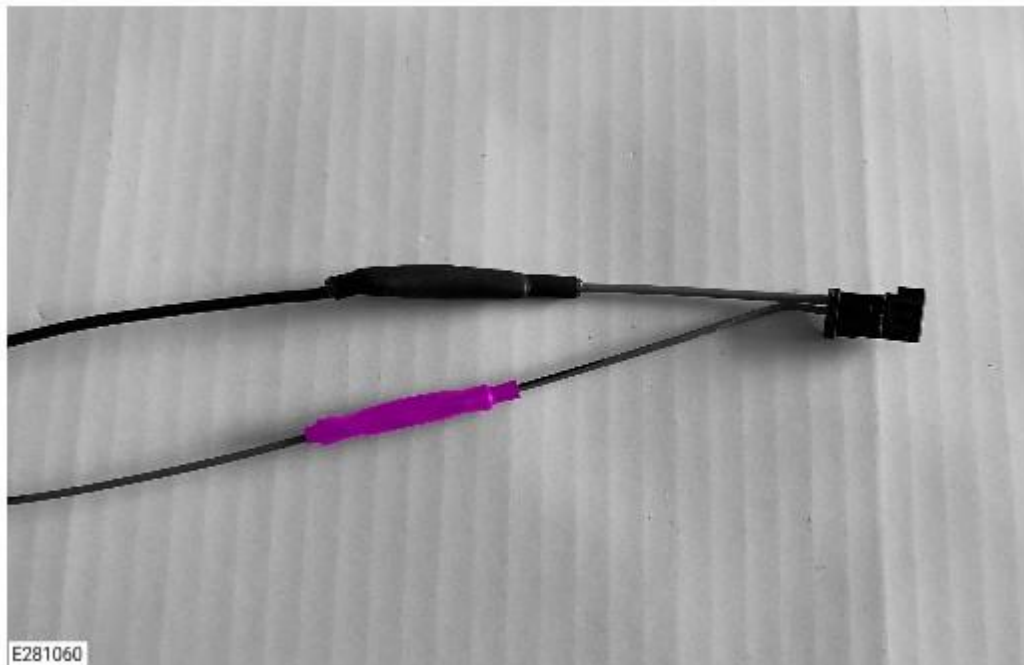
Insert a pre-terminated lead (418-075) into cavity 2 of the connector (YPC911670).

9.



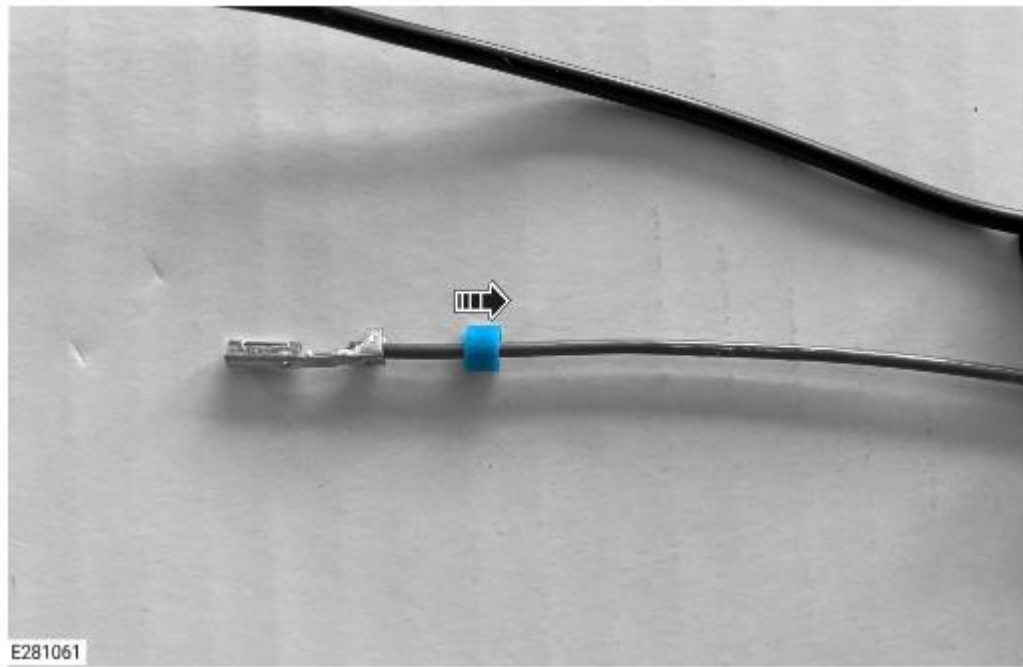
Using a splice connector (418-107), join the wire in cavity 2 with the pre-terminated lead (418-411-45).

10.



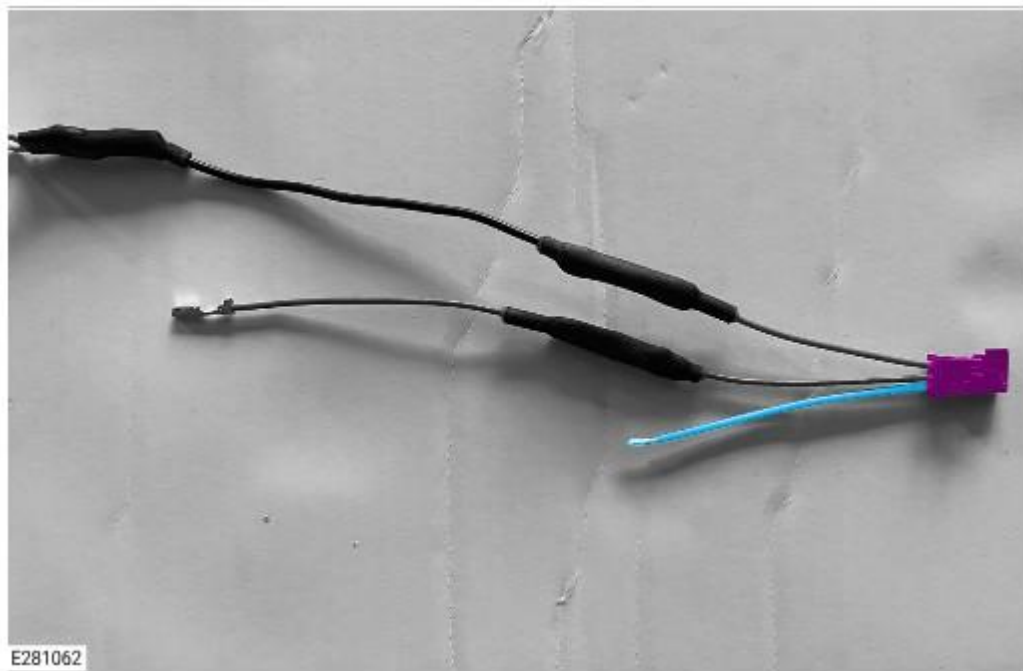
Slide a heatshrink sleeve (418-104) over the splice connector and using a hot air applicator, carefully apply the heat until the glue appears at both ends.

11.



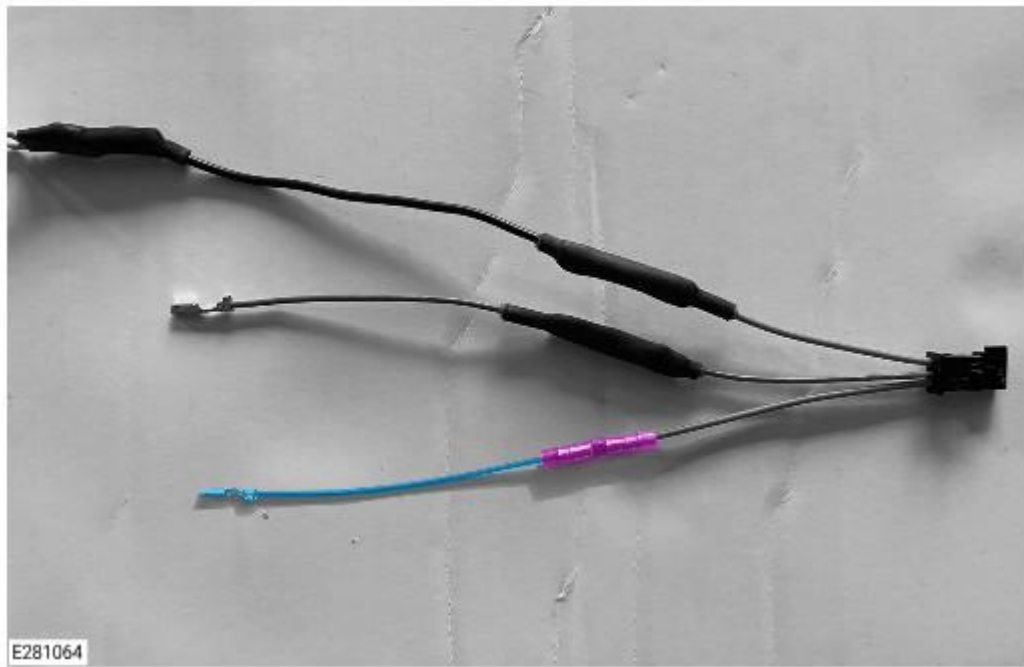
Slide a suitable colored identification sleeve onto the wire in cavity 2.

12.



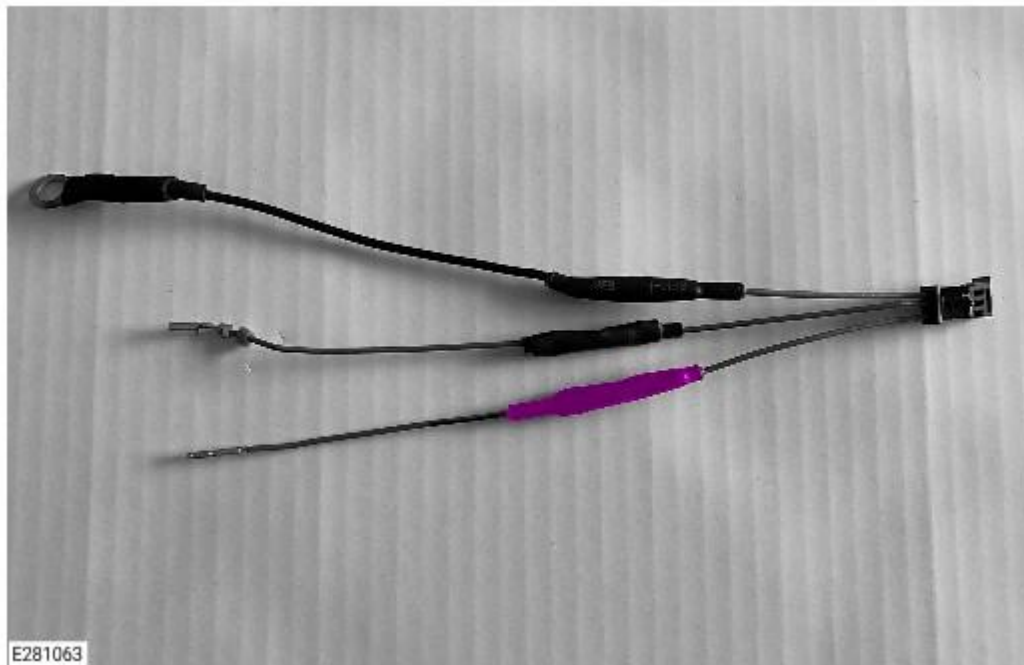
Insert a pre-terminated lead (418-075) into cavity 3 of the connector (YPC911670).

13.



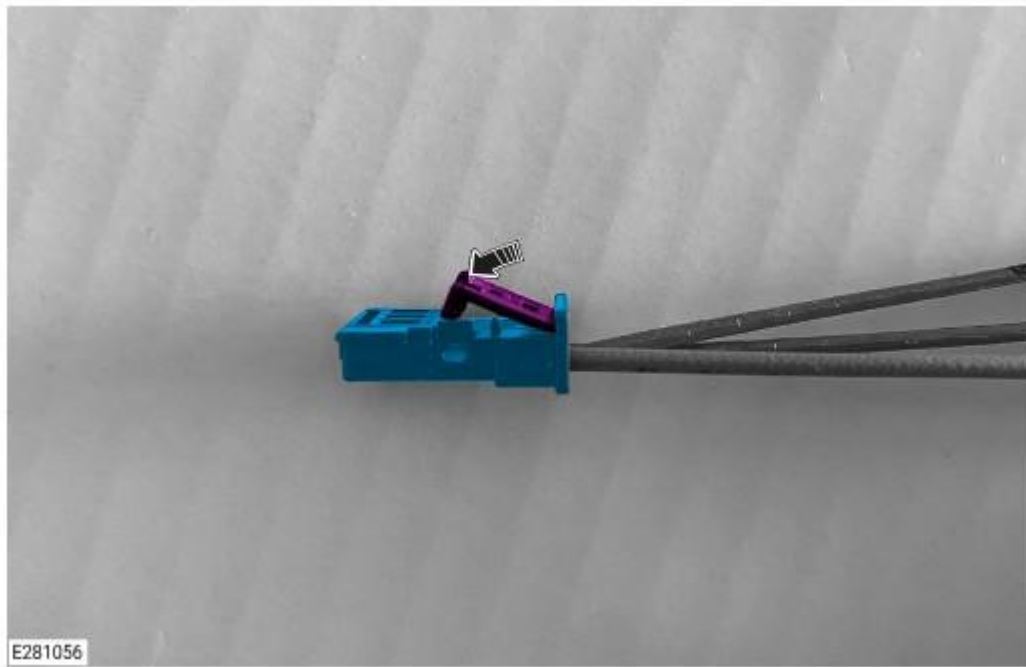
Using a splice connector (418-107), join the wire in cavity 3 with the pre-terminated lead (418-411-45).

14.



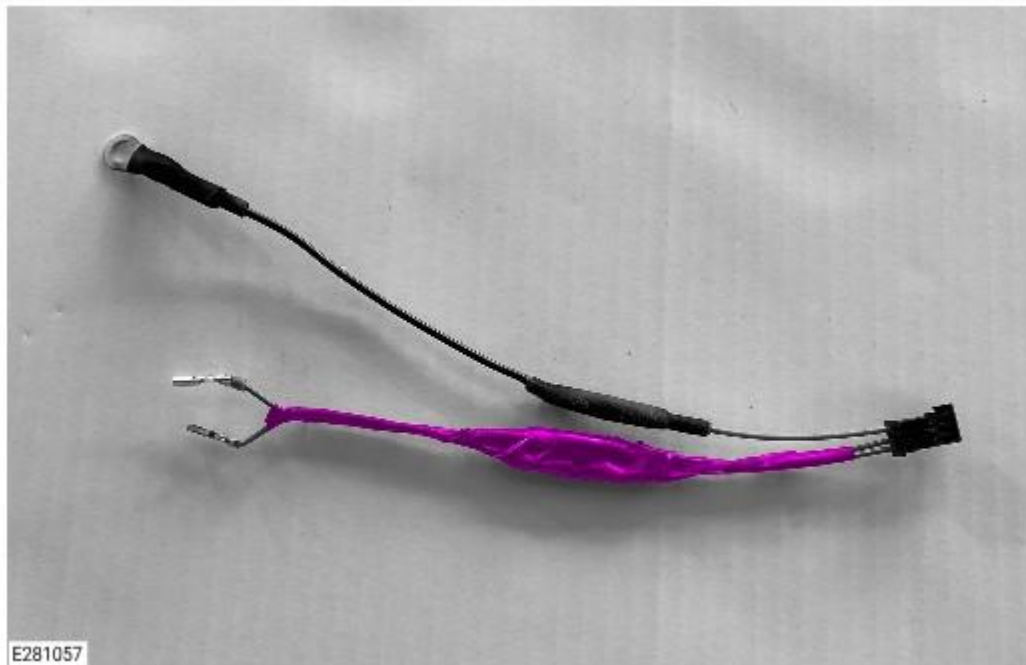
Slide a heatshrink sleeve (418-104) over the splice connector and using a hot air applicator, carefully apply the heat until the glue appears at both ends.

15.



Make sure the terminal lock on the connector (YPC911670) is in the locked position.

16.



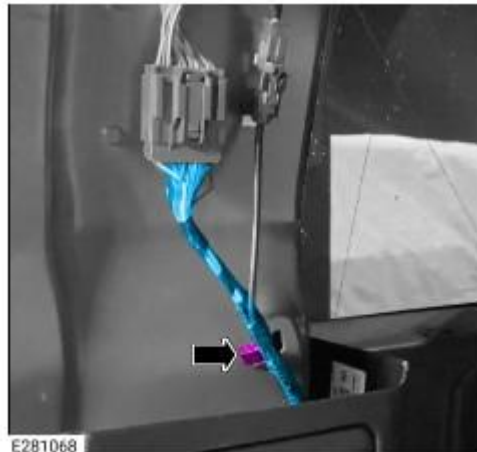
Using a suitable harness repair tape, wrap the wires in cavity 2 and 3 together, to within 10 mm of the connectors at each end.

NOTES:

- Some variation in the illustrations may occur, but the essential information is always correct.
- Some components shown removed for clarity.

1. Open the tailgate.
2. Disconnect the startup battery ground cable (see TOPIx Workshop Manual section 414-00: Battery and Charging System - General Information - General procedures - Startup Battery Disconnect and Connect).
3. Remove the left D-pillar trim panel (see TOPIx Workshop Manual section 501-05: Interior Trim and Ornamentation - Removal and Installation - D-Pillar Trim Panel).

4.



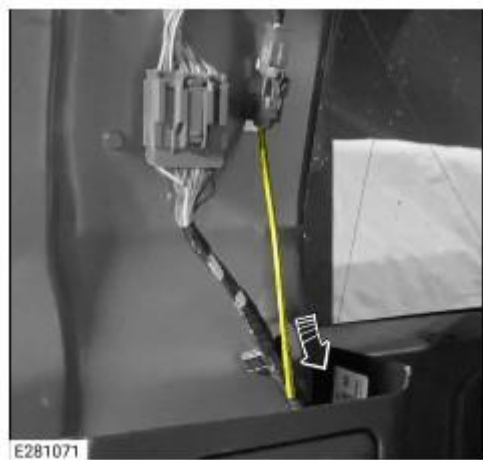
Release the wiring harness retaining clip to allow additional movement in the wiring harness.

5.



Remove and discard approximately 25 mm of the wiring harness tape.

6.



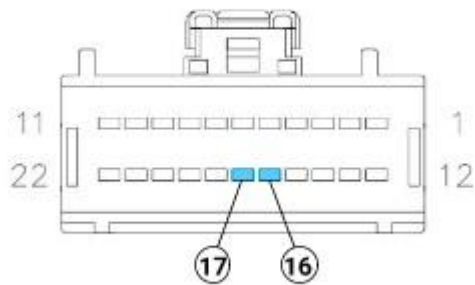
Reposition the coax cable to allow additional movement in the wiring harness.

7.



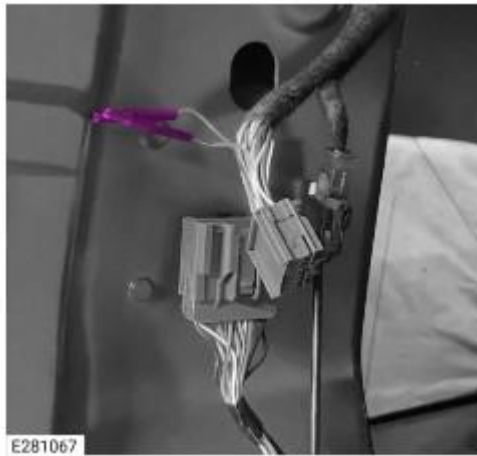
Disconnect electrical connector (C49D).

8.



Using terminal extraction tool 418-595, remove terminal 16 (BU-RD) and 17 (VT-GY) from the electrical connector (C49D).

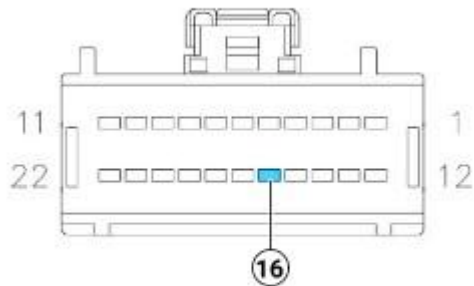
9.



Slide a heatshrink sleeve (418-104) over each terminal individually and using a hot air applicator, carefully apply the heat until the glue appears at both ends.

- Using a suitable harness repair tape, reposition the 2 wires and secure them to the wiring harness.

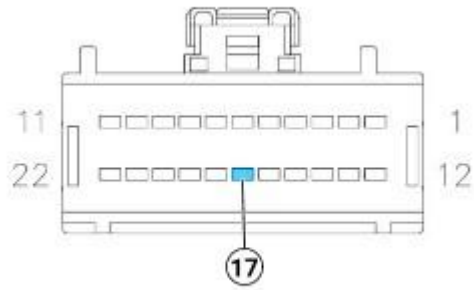
10.



E281069

Install the link lead wire **without** the identification sleeve to cavity 16 of the electrical connector (C49D).

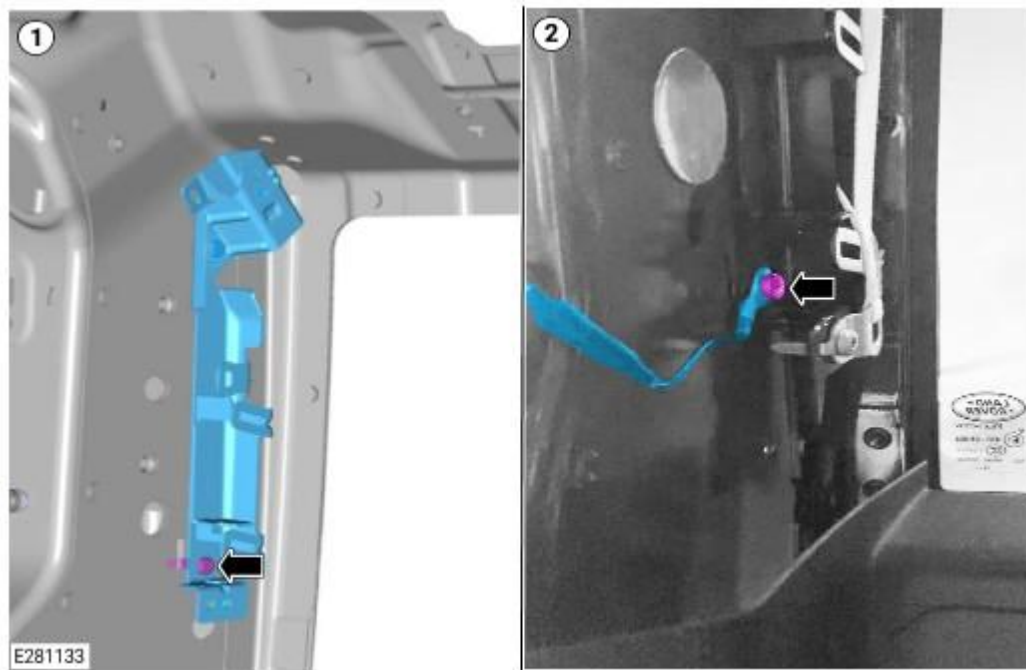
11.



E281073

Install the link lead wire **with** the identification sleeve to cavity 17 of the electrical connector (C49D).

12.



Secure the link lead ground terminal under the rear left side air curtain bracket retaining bolt.

1. Remove the bolt.
2. Install the link lead ground terminal and tighten the bolt.
 - Torque: **9 Nm**

13.

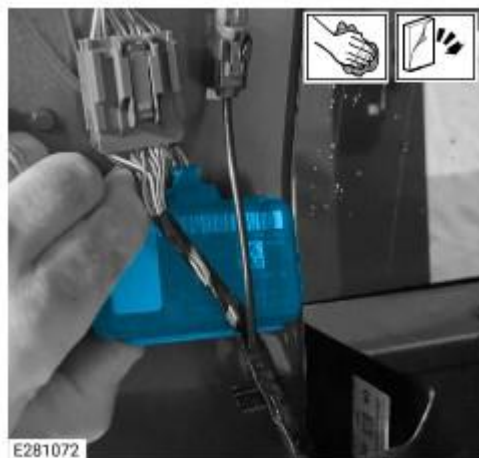


Connect the electrical connector (C49D).

14.

NOTE:

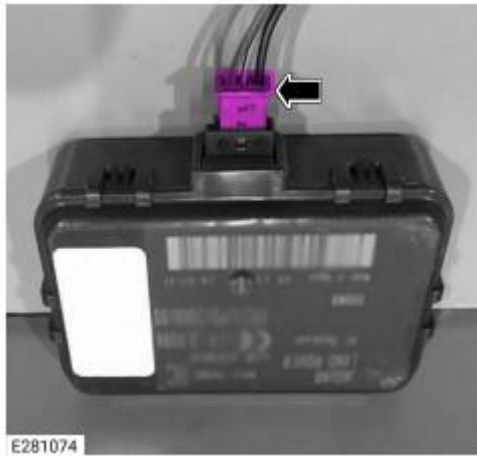
Make sure the body is dry and clear from any contamination.



Using a suitable heavy duty double sided tape, install the new RF receiver in the location shown in the illustration.

- Clean the surrounding area.
- Remove the backing from the heavy duty double sided tape.

15.



Connect the link lead to the RF receiver.

16.



Reposition the wiring harness and coax cable into the position shown in the illustration.

- The wiring harness must be routed around the left side of the RF receiver.
- The coax cable must be routed over the RF receiver.

17. Install the left D-pillar trim panel (see TOPlx Workshop Manual section 501-05: Interior Trim and Ornamentation - Removal and Installation - D-Pillar Trim Panel).

18. Connect the startup battery ground cable (see TOPlx Workshop Manual section 414-00: Battery and Charging System - General Information - General procedures - Startup Battery Disconnect and Connect)

19. Close the tailgate.