



H114 UPS4118-4BNAS2

# TECHNICAL BULLETIN

27 JUL 2018

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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 Jaguar service facility to determine whether this bulletin applies to a specific vehicle.

## INFORMATION

Changes are highlighted in blue

## SECTION:

418-02: Wiring Harnesses

## SUBJECT/CONCERN:

Update Prior to Sale: Unsealed Splices on Rear Axle and Passenger Compartment Harness

## AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:
E-PACE (X540)	2018	Z08161-Z19563	Graz (Austria)

**MARKETS:**

NORTH AMERICA

**CONDITION SUMMARY:****SITUATION:**

An issue has been identified on certain vehicles within the listed Affected Vehicle Range which may have unsealed splices in the wet area on the rear axle and passenger compartment harnesses. Water ingress may lead to numerous failure states across the powertrain and comfort Controller Area Networks (CAN), resulting in Malfunction Indicator Lamps (MIL) and/or warning messages on the Instrument Cluster.

**ACTION:**

Retailers are required to **HOLD** affected new vehicles that are within your control and refrain from releasing the vehicles for **new vehicle sale** pending completion of the Workshop Procedure detailed in this Technical Bulletin. Unsold vehicles should have this performed as part of the Pre-Delivery Inspection (PDI) process but **must** have it completed prior to vehicle handover to the customer.

This program does not apply to any vehicle already registered and in use, either with the retailer or customer. Any vehicle already in use may continue to be driven and any repair instructions deemed necessary will be communicated through a separate Field Action or Technical Bulletin.

**PARTS:****NOTE:**

Order only the expected percentage demand of parts identified.

DESCRIPTION	PART NO./SUNDRY CODE	QTY./VALUE	EXPECTED PERCENTAGE DEMAND
50mm glue-lined heat shrink (4) Electrical tape 300mm x 4.5mm cable tie (1)	ZZZ999	*\$4.55	100

An allowance of \$4.55 USD or local equivalent has been provided to cover the cost of the glue-lined heat shrink, electrical tape, and cable ties.

## SPECIAL TOOLS:

Refer to TOPIx Workshop Manual/Workshop Procedure for any required special tools.

## WARRANTY:

### NOTE:

Use the Jaguar Land Rover claims submission system to make sure that a vehicle is affected by this program prior to undertaking any rework action.

At the time of confirming a booking for vehicle repair, make sure that **all** outstanding Recall and Service Actions are identified to ensure the correct parts are available and adequate workshop time is allocated for repairs to be completed at one visit.

Warranty claims must be submitted quoting the Program Code and the relevant Option Code; this will result in payment of the stated time. The SRO and parts information is included for information only. The Option Code(s) that allows for the drive in/drive out allowance may only be claimed if the vehicle is brought back into the workshop for this action alone to be undertaken.

Repair procedures are under constant review and therefore times / prices are subject to change; those quoted here must be taken as guidance only. Use the Jaguar Land Rover claims submission system to obtain the latest repair time.

This program is valid for a limited time only. Warranty claims with a repair date prior to the **01 May 2019** closure date must be submitted or payment within 30 calendar days of completion of the repair.

PROGRAM CODE	OPTION CODE	DESCRIPTION	SRO	TIME (HOURS)	PARTS/SUNDRY CODE	QTY./VALUE
H114	A	Wiring harness rework	86.71.42	0.5	ZZZ999	*\$4.55

PROGRAM CODE	OPTION CODE	DESCRIPTION	SRO	TIME (HOURS)	PARTS/SUNDRY CODE	QTY./VALUE
H114	B	Wiring harness rework	86.71.42	0.5	ZZZ999	*\$4.55
		Drive in/drive out	10.10.10	0.2	-	-

An allowance of \$4.55 USD or local equivalent has been provided to cover the cost of the glue-lined heat shrink, electrical tape, and cable ties.

Normal Warranty policies and procedures apply.

### WORKSHOP PROCEDURE:

#### NOTES:

- Some variation in the illustrations may occur, but the essential information is always correct.
- Some components shown removed for clarity.
- Side Obstacle Detection may also be referred to as Blind Spot Monitor.

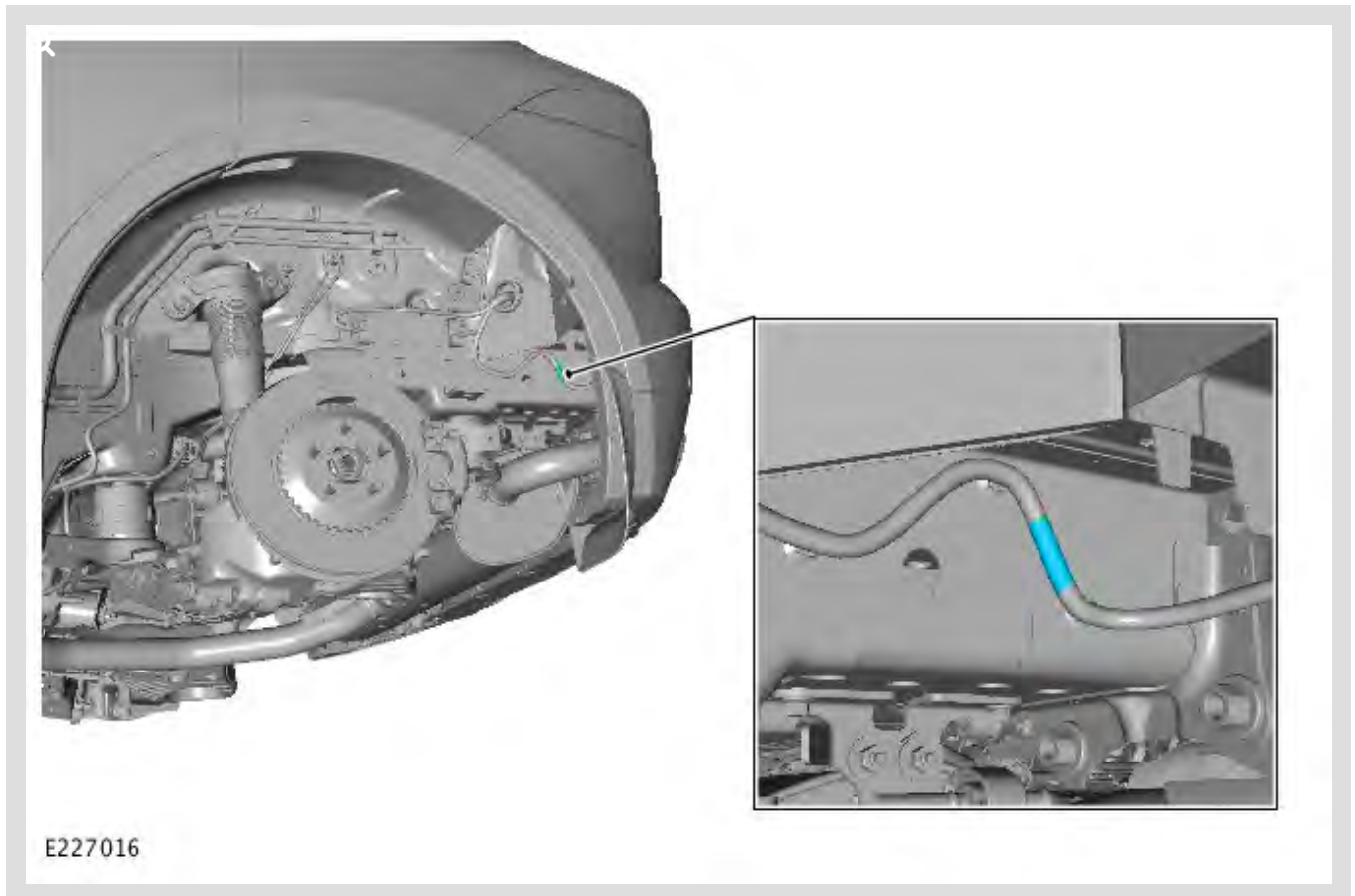
**1** Check if vehicle is fitted with the Side Obstacle Detection system. Refer to the vehicle's DDW Inquiry screen for vehicle specification listing or check for system warning indicator light that appears in both rear view mirrors with ignition on and with vehicle stationary.

**1** If the vehicle is not fitted with the Side Obstacle Detection system, go to Step 9.

**2** If the vehicle is fitted with the Side Obstacle Detection system, go to Step 2.

**2** Remove the rear left wheel arch liner (see TOPIx Workshop Manual section 501-08: Exterior Trim and Ornamentation - Rear Wheel Arch Liner).

3



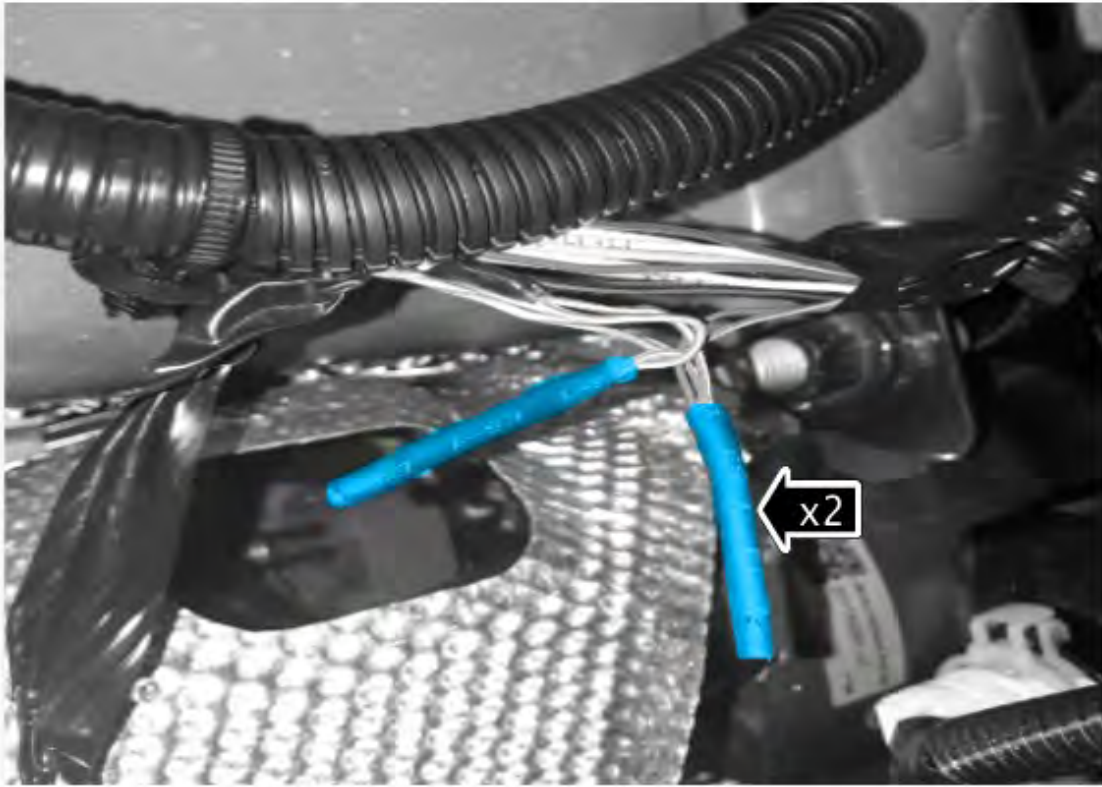
Remove the body wiring harness protection in the highlighted area to access the wiring harness.

- 4 Locate splices and remove tape from **S3DB27G** and **S3DB28G** using (see TOPlx section Electrical Information - Electrical Wiring Diagrams - 413-09: Warning Devices - Blind spot monitoring system).

5

**ⓘ CAUTION:**

Apply only sufficient heat to the glue-lined heat shrink sleeve to melt the glue in order to provide a water tight seal. Do not over heat the glue-lined heat shrink sleeve so that the wiring harness insulation becomes damaged.

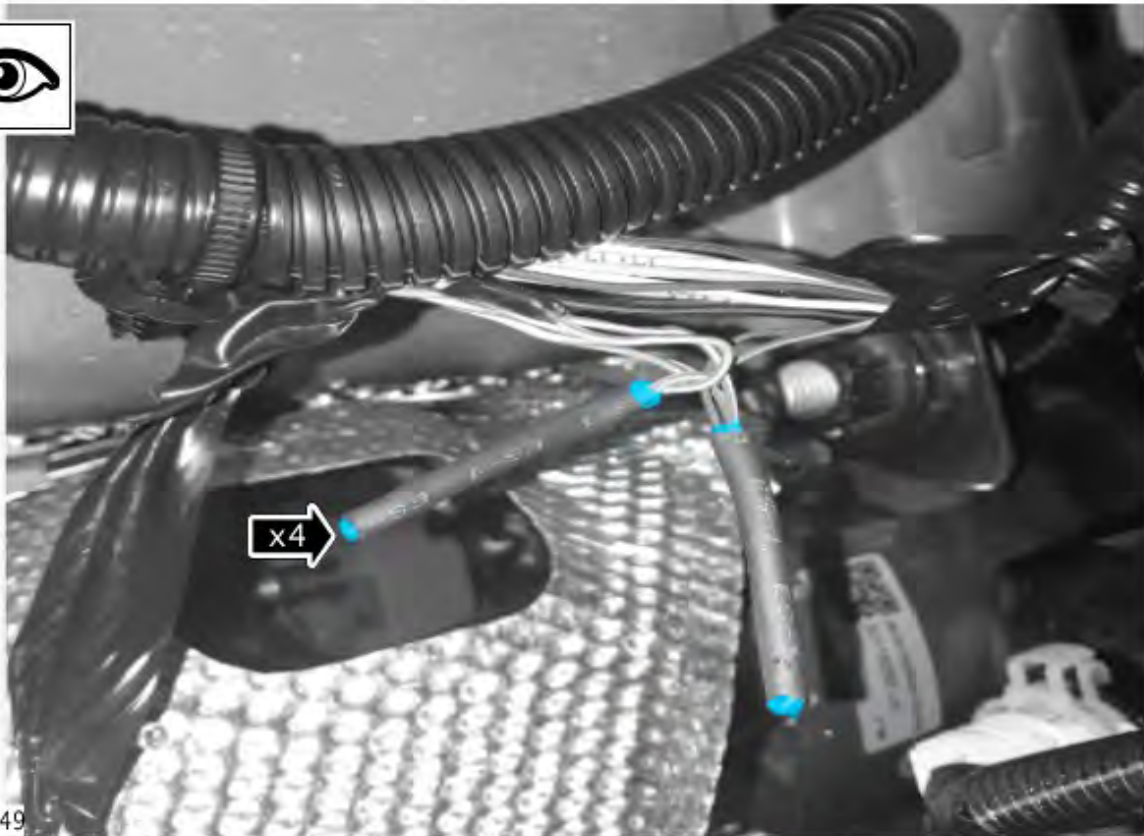


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Apply glue-lined heat shrink to splices **S3DB27G** and **S3DB28G**.

- 1 Apply heat to the glue-lined heat shrinks to melt the glue.

6



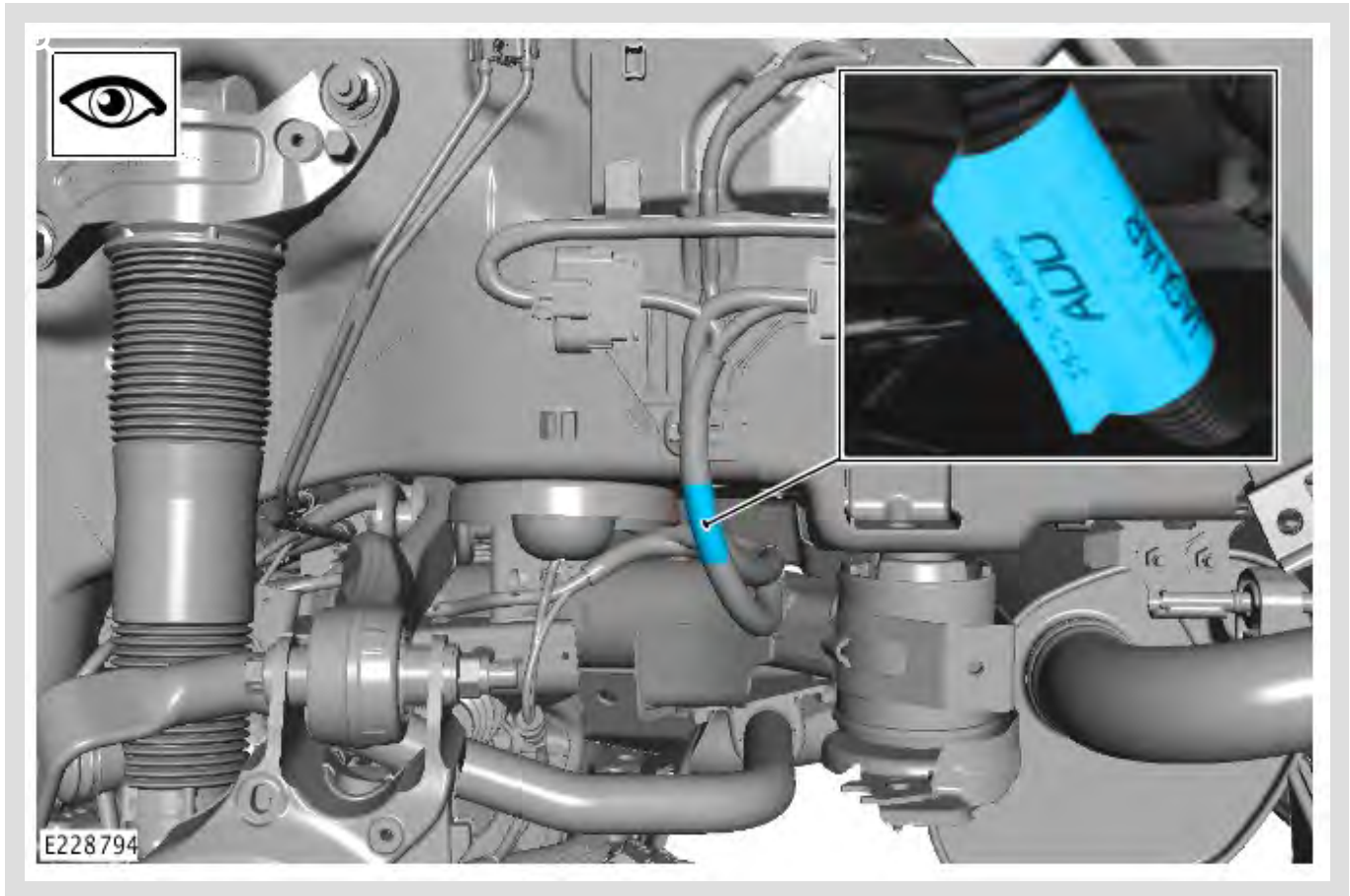
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Inspect both sides of the heat shrink for 1-2 mm of glue to make sure the splice is fully sealed.

7 Apply electrical tape and install the body wiring harness protection.

8 Install the rear left wheel arch liner (see TOPIx Workshop Manual section 501-08: Exterior Trim and Ornamentation - Rear Wheel Arch Liner).

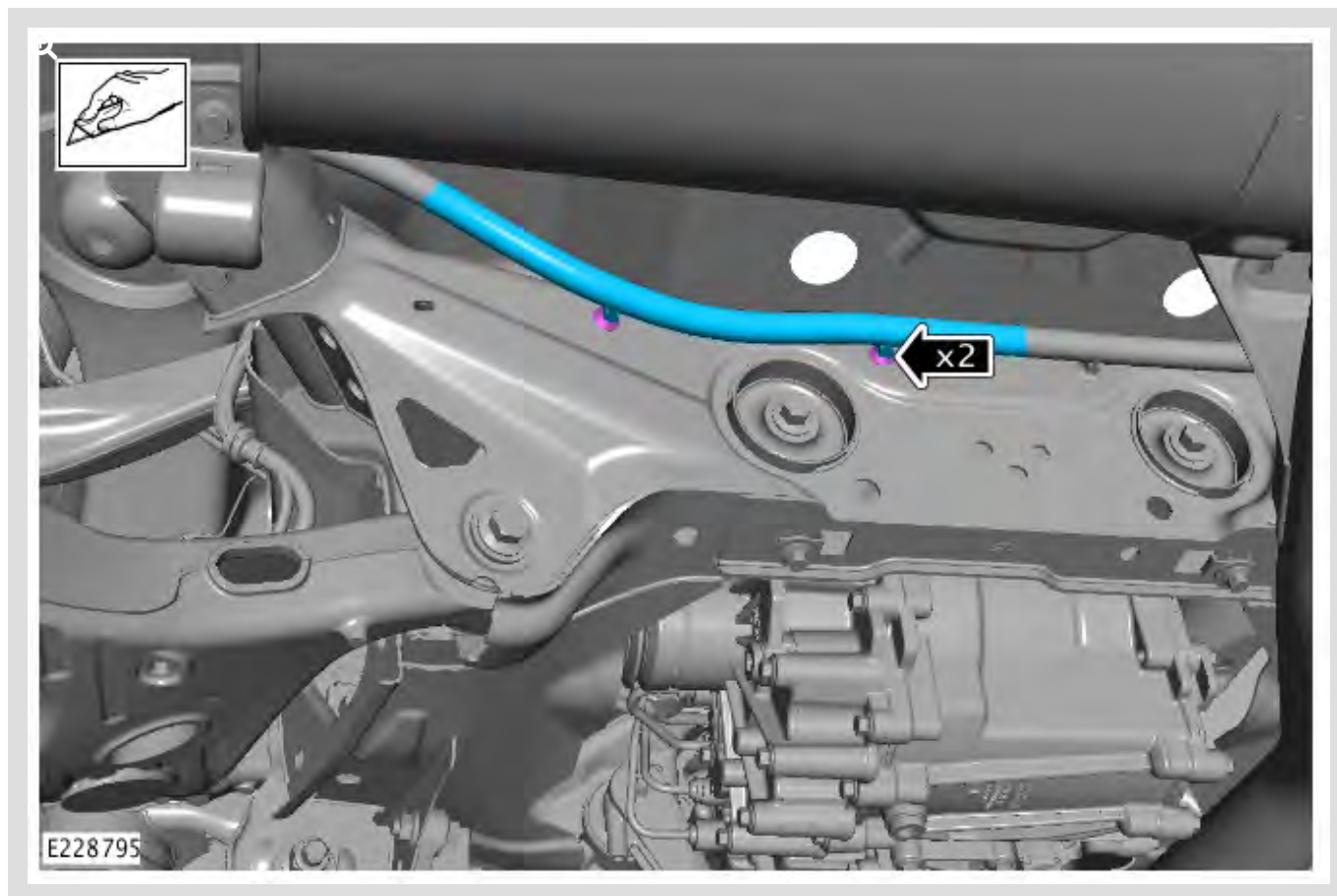
1 Do not lower the vehicle.



Inspect and record the rear axle wiring harness code.

- 1 If the axle wiring harness label code is '**ACD**', perform steps 18-24.
- 2 If the axle wiring harness label code is '**ADD**', perform steps 11-17 and 24.

10



Cut the 2 cable ties and remove the axle wiring harness protection in the highlighted area to access the axle wiring harness.

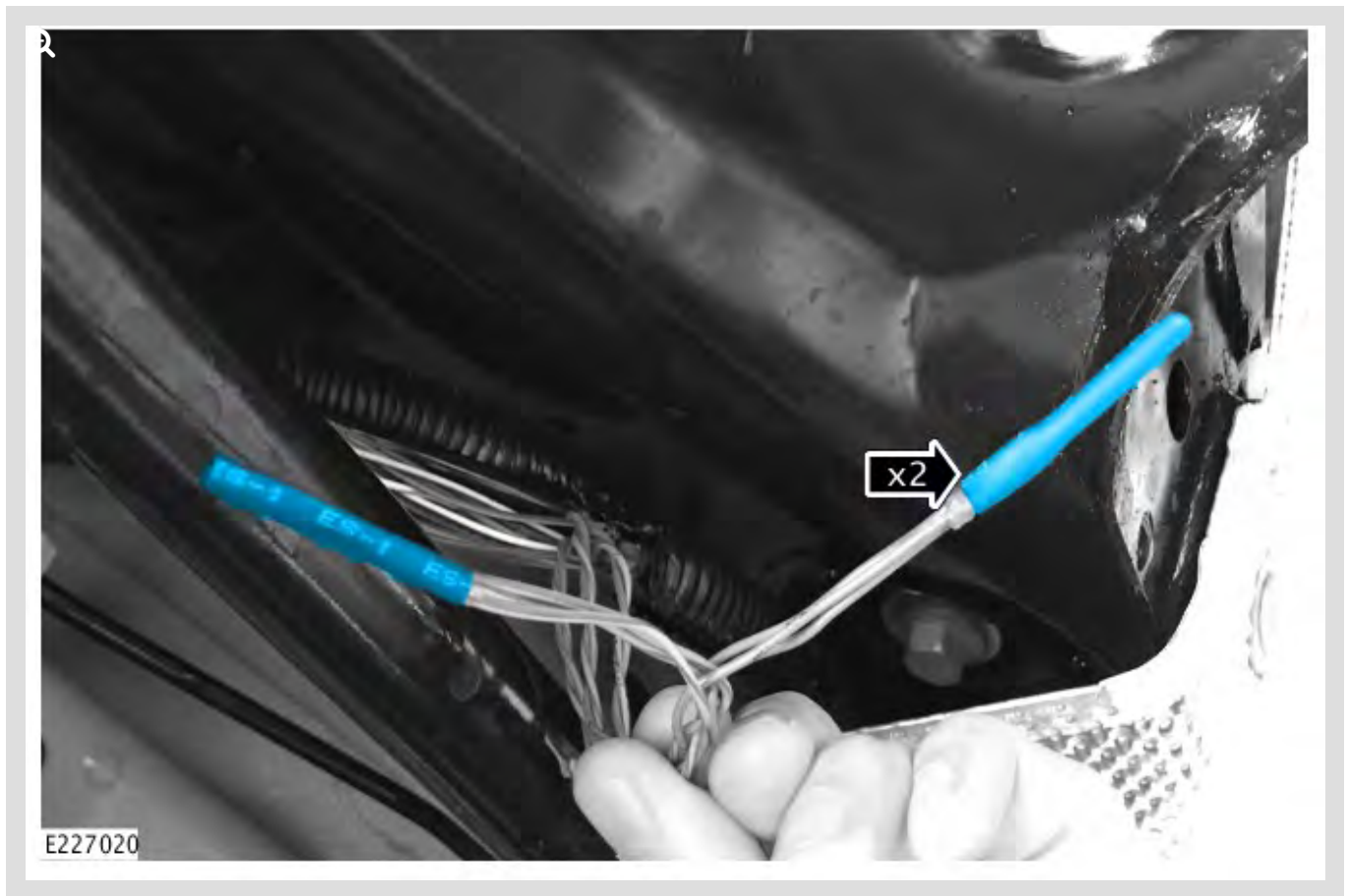
11 Locate splices **S4DB26GD** and **S4DB25GD** (see TOPIx section Electrical Information - Electrical Wiring Diagrams - 205-02: Rear Drive Axle and Differential - Active Driveline [Sheet 2]).

12 Remove any tape from splices **S4DB26GD** and **S4DB25GD**.

13

**ⓘ CAUTION:**

Apply only sufficient heat to the glue-lined heat shrink sleeve to melt the glue in order to provide a water tight seal. Do not over heat the glue-lined heat shrink sleeve so that the wiring harness insulation becomes damaged.



Apply 1 glue-lined heat shrink to each of the 2 splices as shown.

- 1 Apply heat to the glue-lined heat shrinks to melt the glue.

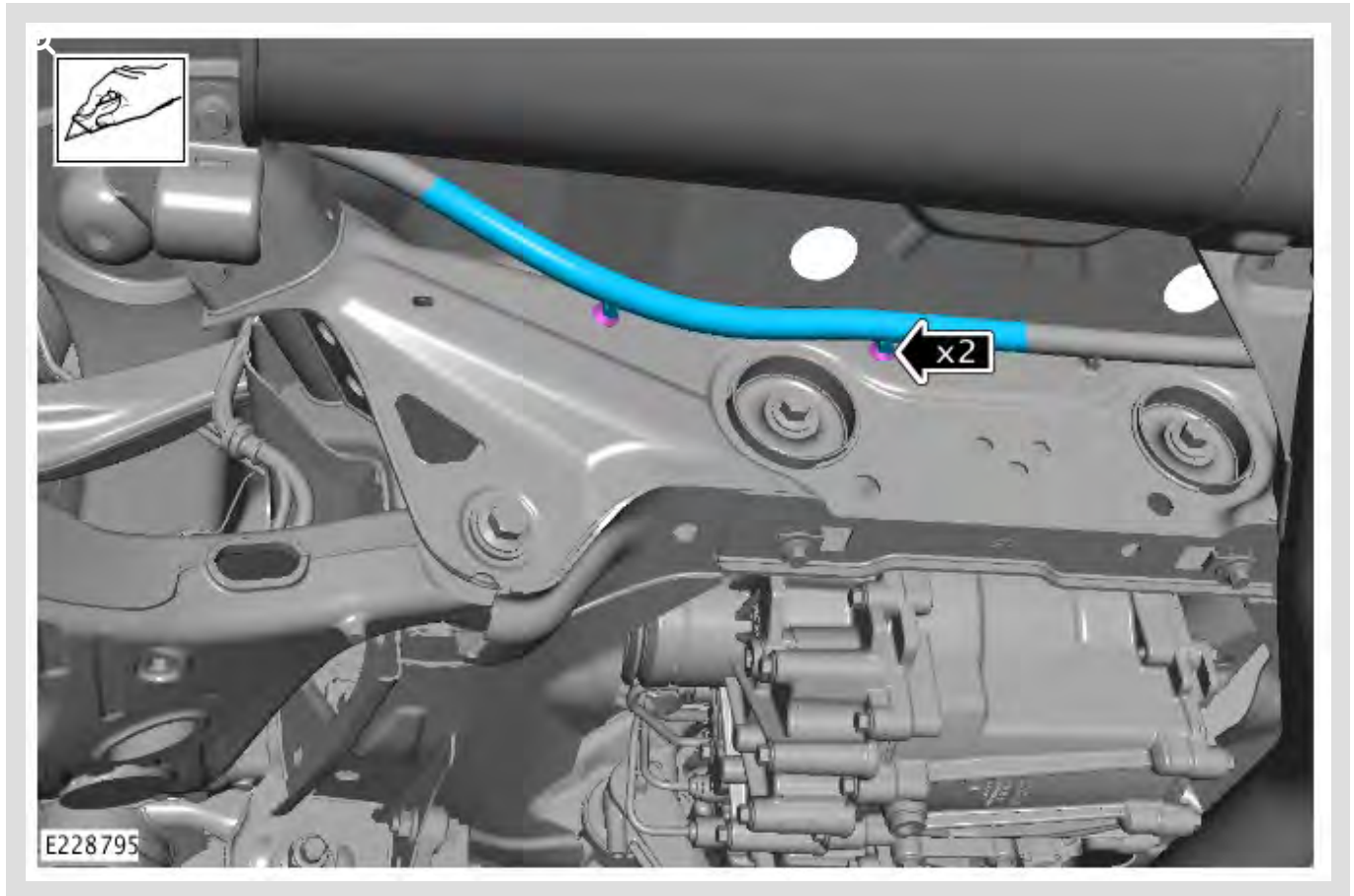
14



Visually inspect both sides of each heat shrink for 1-2 mm of glue to make sure the splices are fully sealed.

15

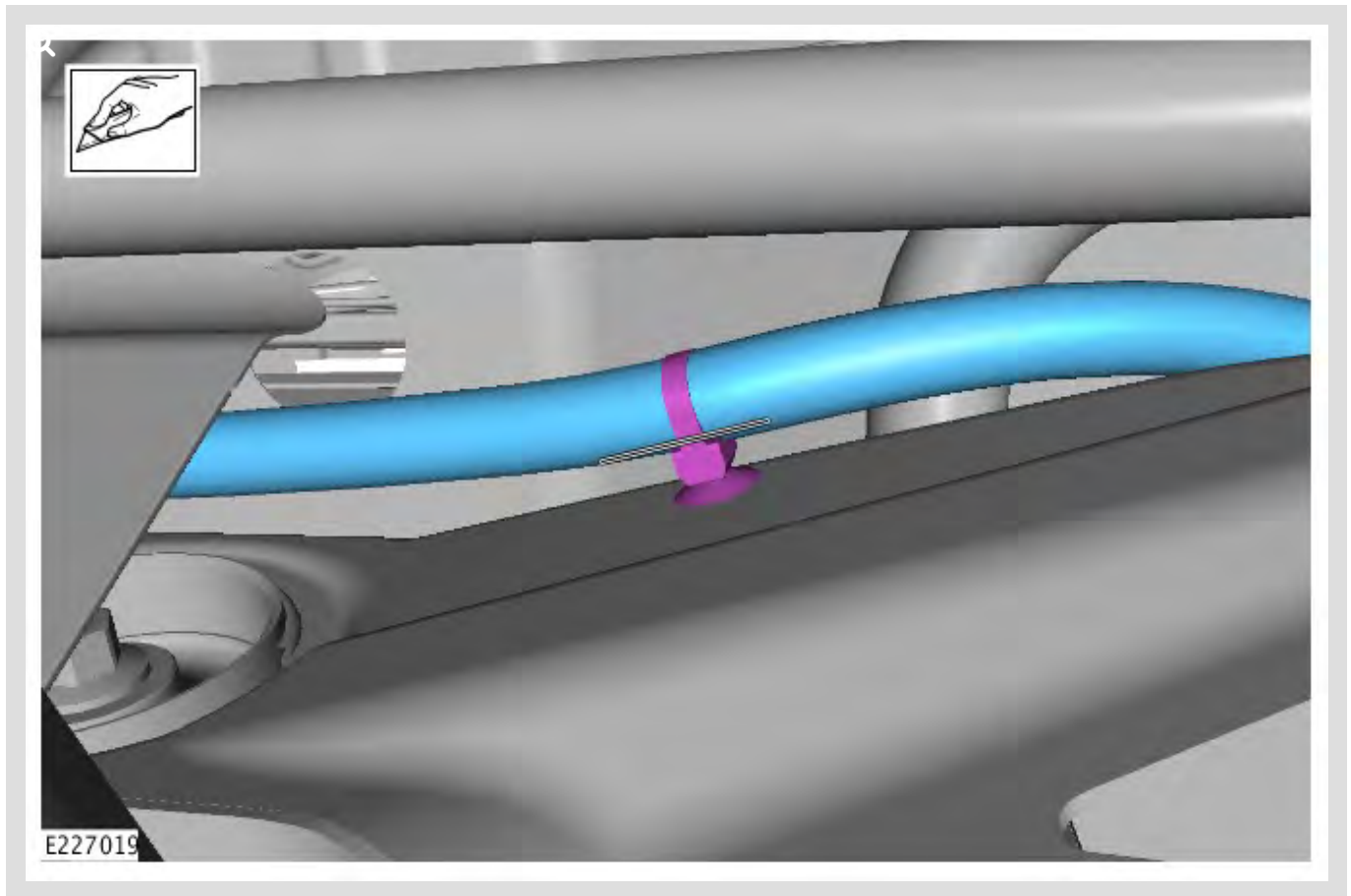
Apply electrical tape and install the body wiring harness protection.



Install the rear axle wiring harness.

- 1 Use 2 new cable ties to the base of the original fasteners.
- 2 Once all tasks have been performed, go to Step 24.

17



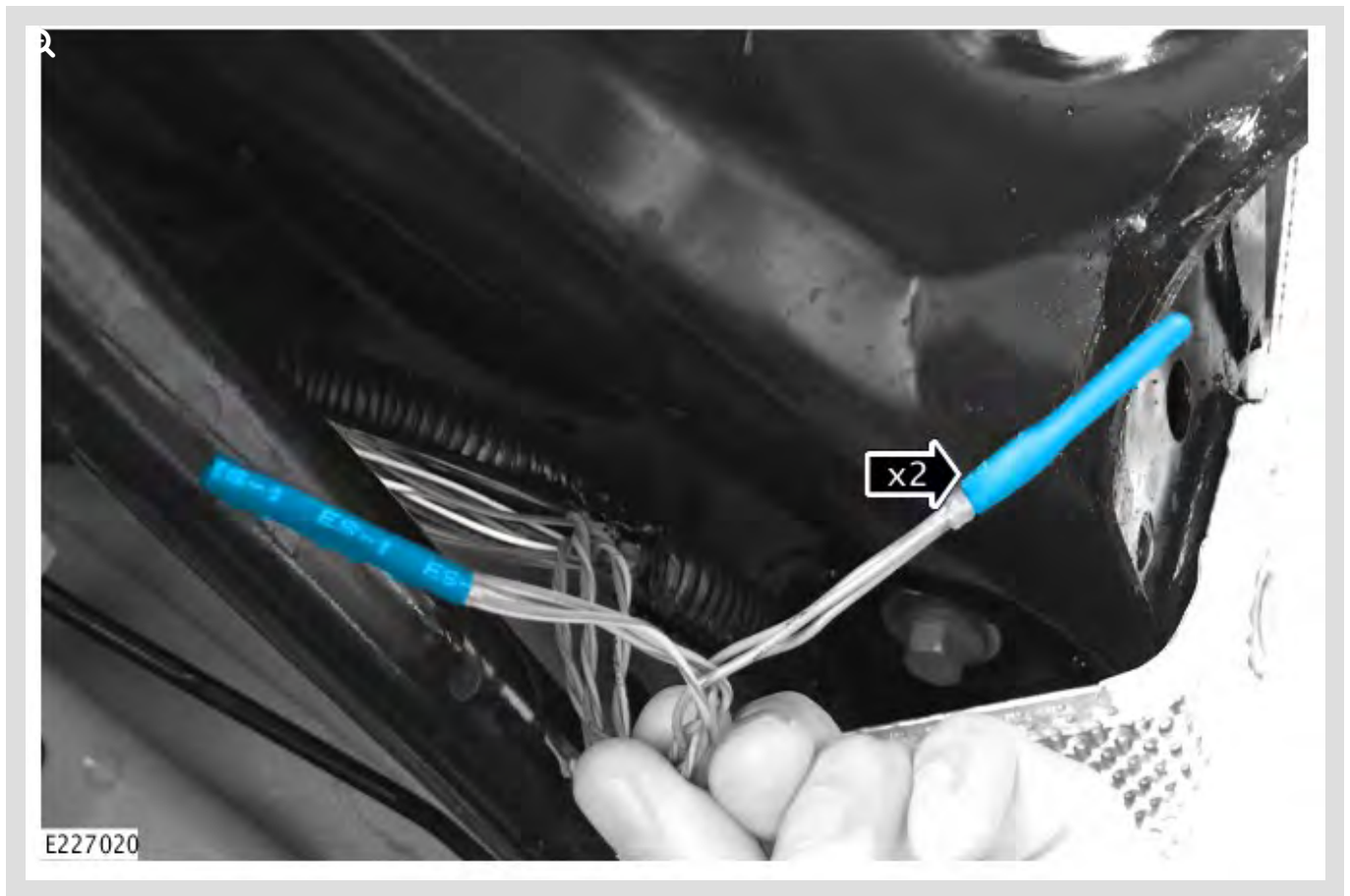
Cut the cable tie and remove the axle wiring harness protection in the highlighted area to access the axle wiring harness.

- 18 Locate splices **S4DB26GE** and **S4DB25GE** (see TOPIx section Electrical Information - Electrical Wiring Diagrams - 205-02: Rear Drive Axle and Differential - Without Active Driveline).

19

**ⓘ CAUTION:**

Apply only sufficient heat to the glue-lined heat shrink sleeve to melt the glue in order to provide a water tight seal. Do not over heat the glue-lined heat shrink sleeve so that the wiring harness insulation becomes damaged.



Apply 1 glue-lined heat shrink to each of the 2 splices as shown.

- 1 Apply heat to the glue-lined heat shrinks to melt the glue.

20



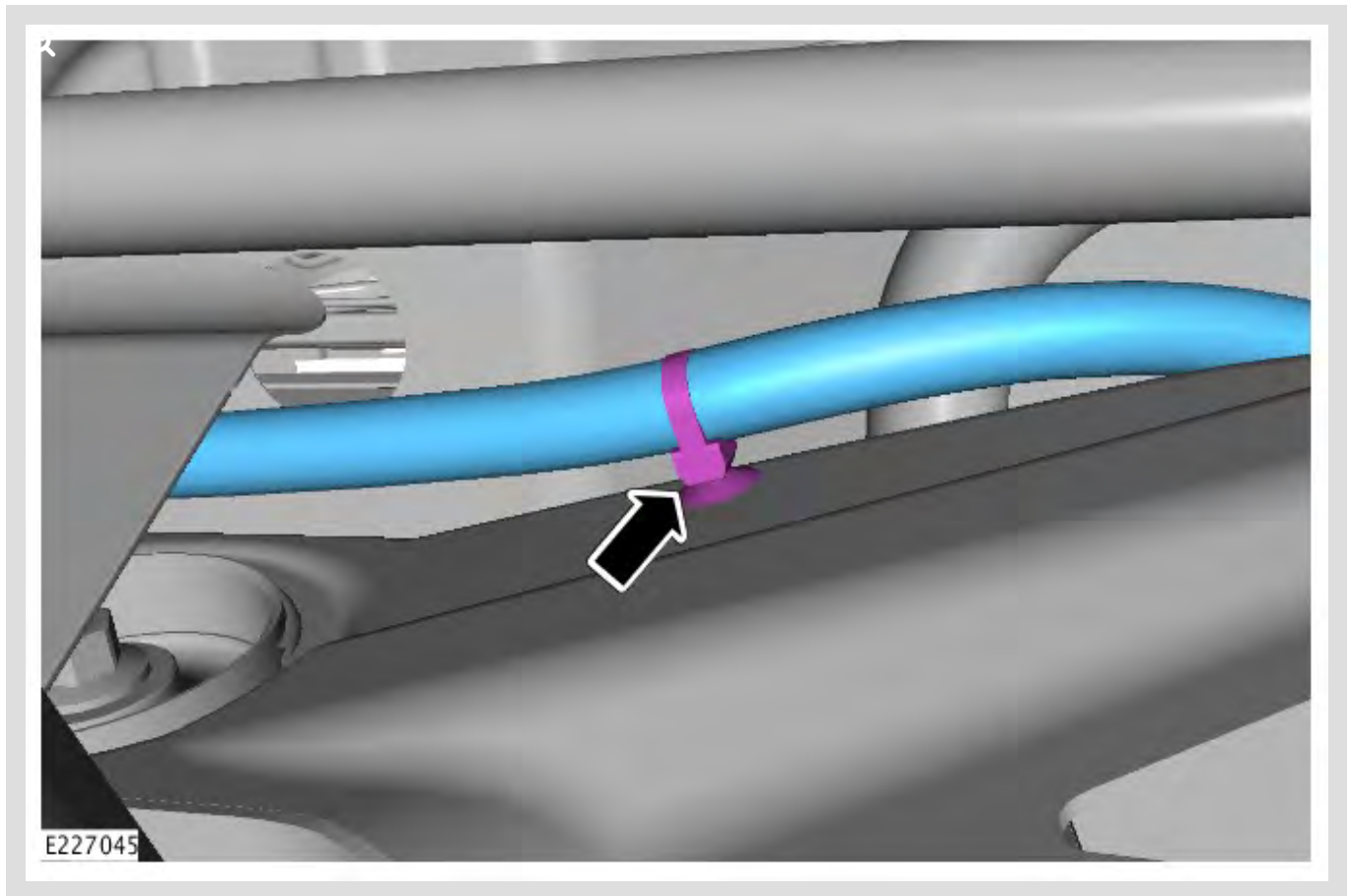
Visually inspect both sides of each heat shrink for 1-2 mm of glue to make sure the splices are fully sealed.

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21 Apply electrical tape and install the body wiring harness protection.

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22



Install the rear axle wiring harness.

- 1 Use a new cable tie to the base of the original fastener.

23 Lower and release the vehicle.