

H079 UPS11917-3BNAS1

TECHNICAL BULLETIN

20 APR 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**SECTION:**

206-09A: Anti-Lock Control

SUBJECT/CONCERN:

Update Prior to Sale: Anti-Lock Braking System (ABS) Module Water Ingress

AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:
E-PACE (X540)	2018	Z00104-Z05013	Graz (Austria)

MARKETS:

NORTH AMERICA

CONDITION SUMMARY:**SITUATION:**

An issue has been identified on certain vehicles within the listed Affected Vehicle Range where ground wire connection to the Anti-lock Brake System (ABS) control module may not be fully sealed. This may allow water to leak into the ABS module and cause the illumination of certain warning lamps, including ABS and Dynamic Stability Control (DSC).

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 Inspection and, if necessary, Workshop and Diagnostic Procedures 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:**NOTES:**

- The repair requires two (2) 4mm strips of butyl tape. This is a consumable and should be readily available in the workshop.
- If a vehicle fails the inspection procedure and requires an Anti-lock Brake System (ABS) Control Module and Engine Compartment Harness, follow the standard part procurement process. Send an email to jlrcamp@jaguarlandrover.com to expedite the supply of these components.
- Order only the expected percentage demand of parts identified.

DESCRIPTION**PART NO./SUNDRY
CODE****QTY./VALUE****EXPECTED PERCENTAGE
DEMAND**

DESCRIPTION	PART NO./SUNDRY CODE	QTY./VALUE	EXPECTED PERCENTAGE DEMAND
Anti-Lock Brake System (ABS) Module	J9C9375	1	1
Engine Compartment Harness	J9C11007	1	1
Bush	C2P5224	1	1
Seal & Nut	T4A2690	1	1
Gasket	T4A12220	1	1
Insert (Ring)	J9C7817	1	1
Insert (Ring)	J9C7818	1	1
O-ring (13.7 x 2.5 mm)	J9C7820	1	1
O-ring (9.5 x 2.5 mm)	C2Z14586	1	1
*Brake Fluid	*ZZZ001	*\$26.00 USD	1

* - an allowance of \$26.00 USD (or local equivalent) has been provided to cover the cost of the brake fluid. Claim using Sundry Code 'ZZZ001'.

WARRANTY:

NOTES:

- 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.
- If a vehicle fails the inspection procedure, send an email to jlrcamp@jaguarlandrover.com with the VIN, retailer code, and retailer name. Continue to hold all vehicles that fail the inspection procedure.

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 **20 December 2018** 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
H079	A	Inspect and seal ground cable	05.10.50	0.5	-	-
H079	B	Inspect and seal ground cable Drive in/drive out	05.10.50 10.10.10	0.5 0.2	- -	- -
H079	C	*Engine Compartment Harness - Renew Configure A.B.S. Control Module	*86.70.81 86.99.33	*11.0 0.2	J9C9375 J9C11007 C2P5224 T4A2690 T4A12220 J9C7817 J9C7818 J9C7820 C2Z14586 **ZZZ001 -	1 1 1 1 1 1 1 1 1 1 **\$26.00 -
H079	D	*Engine Compartment Harness - Renew Configure A.B.S. Control Module Drive in/drive out	*86.70.81 86.99.33 10.10.10	*11.0 0.2 0.2	J9C9375 J9C11007 C2P5224 T4A2690 T4A12220 J9C7817 J9C7818 J9C7820 C2Z14586 **ZZZ001 - -	1 1 1 1 1 1 1 1 1 **\$26.00 - -

* - the SRO and time to replace the Anti-lock Brake System (ABS) control module are included in the SRO and time for the Engine Compartment Harness.

** - an allowance of \$26.00 USD (or local equivalent) has been provided to cover the cost of the brake fluid. Claim using Sundry Code 'ZZZ001'.

Normal Warranty policies and procedures apply.

WORKSHOP PROCEDURE 'A': INSPECT AND SEAL GROUND CABLE

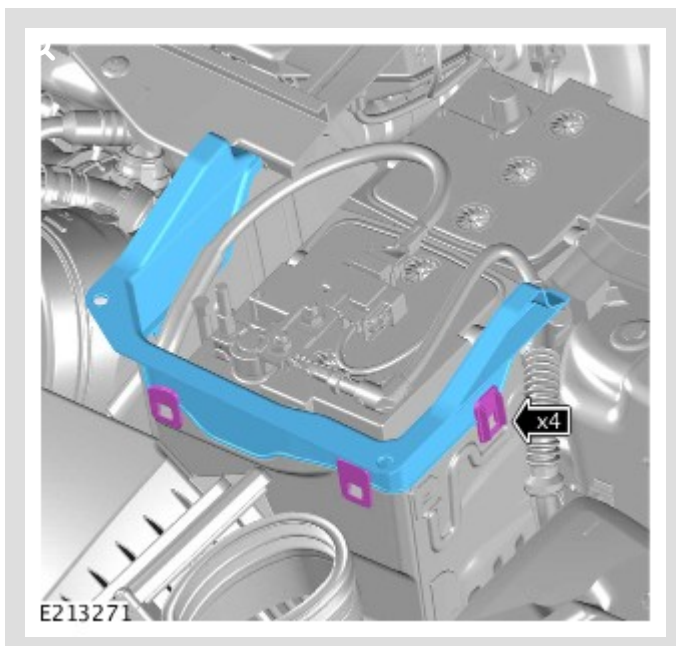
NOTES:

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

1 Open the hood.

2 Disconnect the vehicle start up battery (see TOPIx Workshop Manual section 414-01: Battery, Mounting and Cables - Startup Battery Disconnect and Connect).

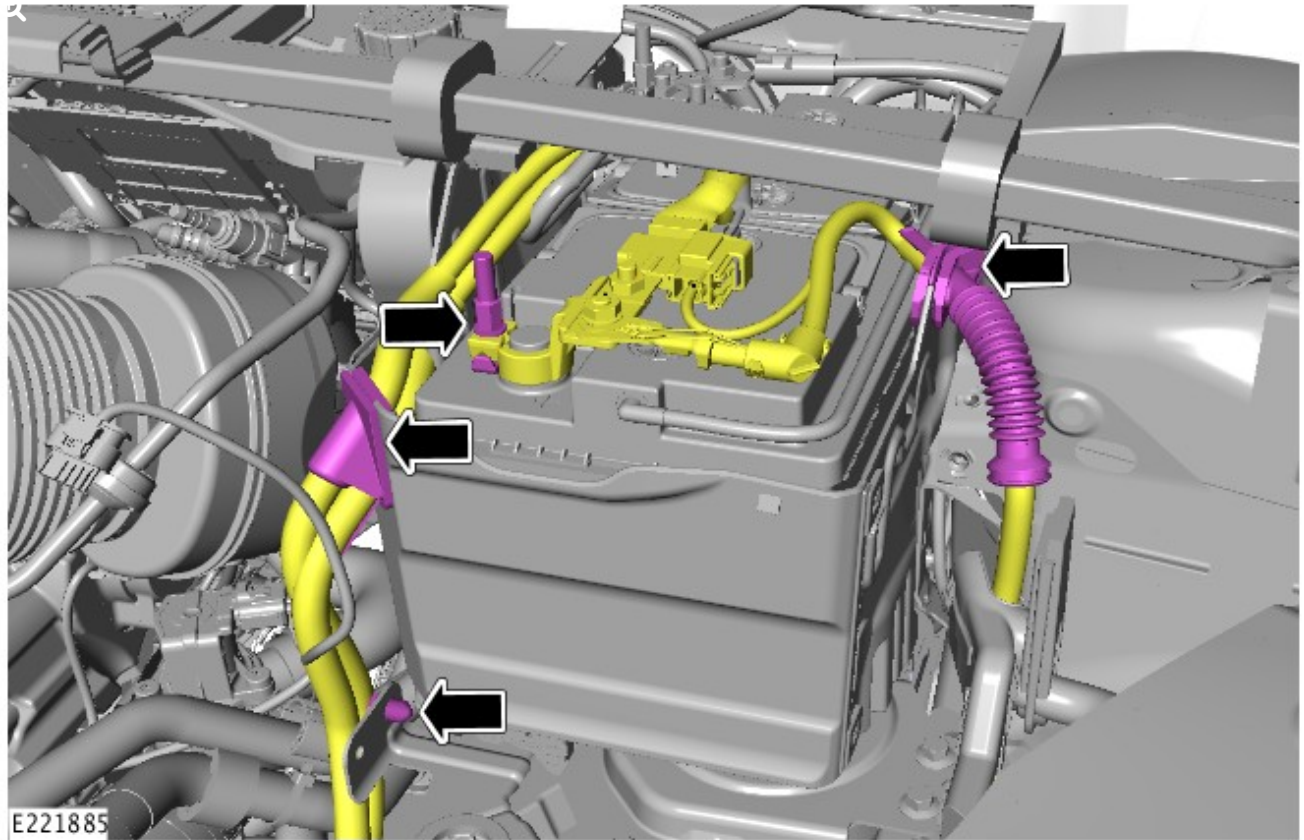
3



Remove the vehicle start up battery tray extension.

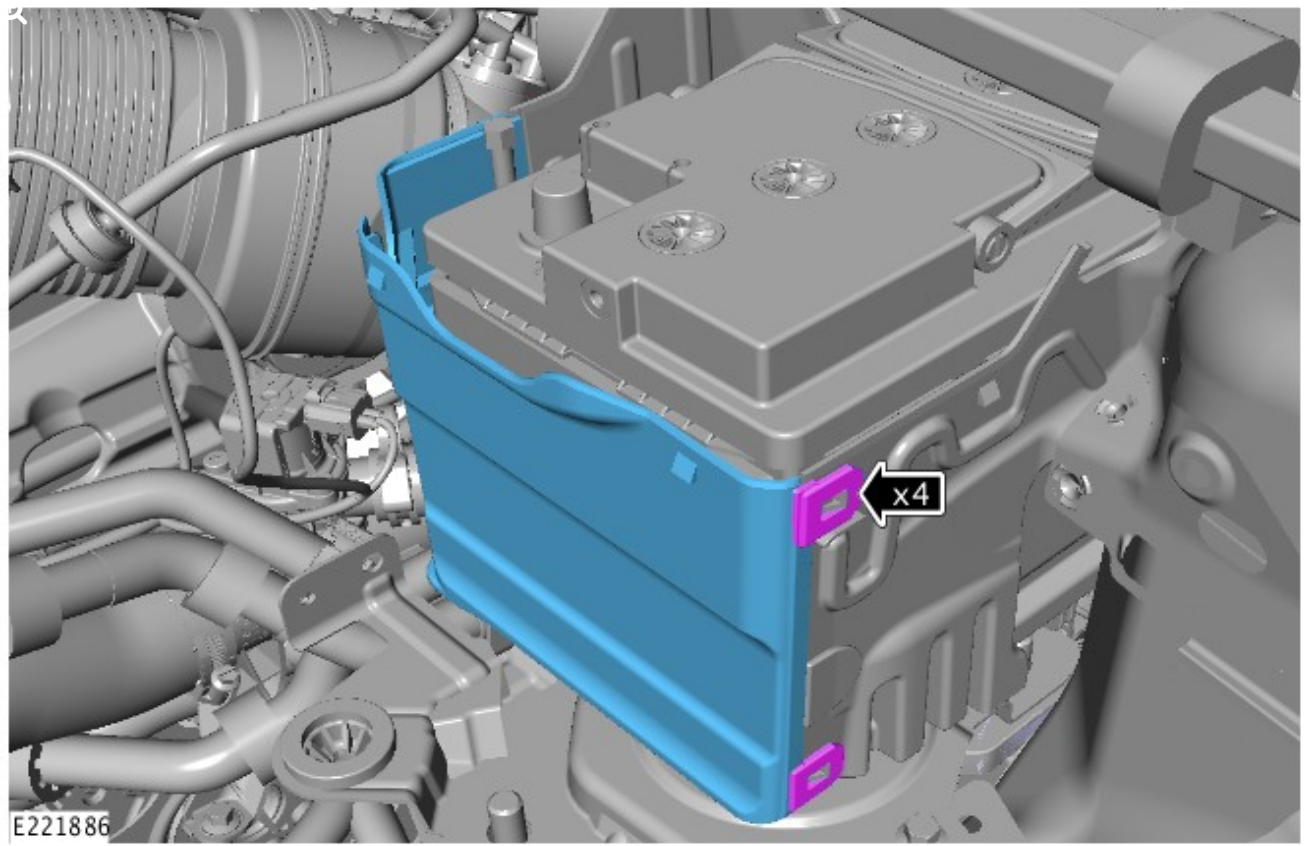
- 4 Remove the air filter housing (see TOPIX Workshop Manual section 303-12A: Intake Air Distribution and Filtering - Air Filter Housing).

5



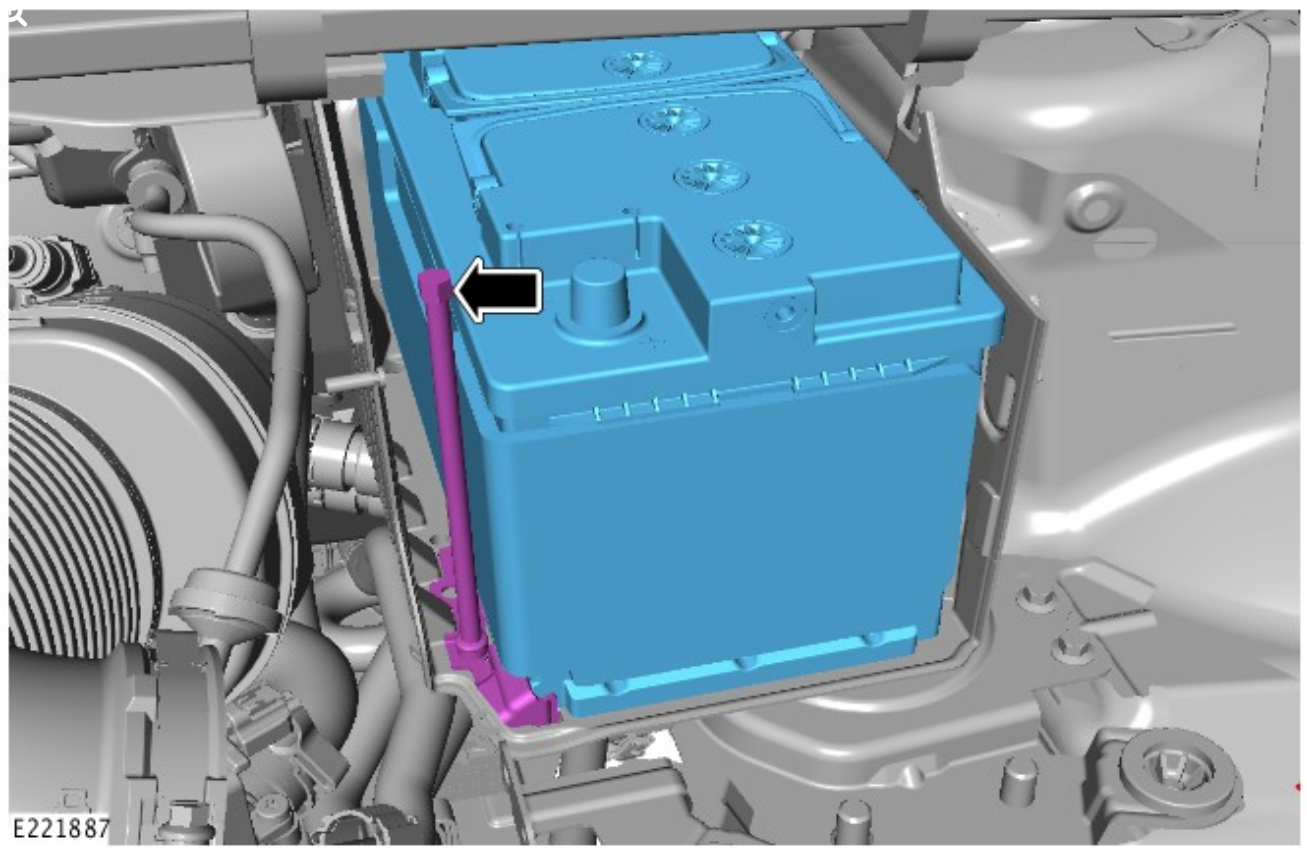
Remove the positive (+) battery cable mounting from the vehicle start up battery tray.

- Torque: **6 Nm**



Remove the vehicle start up battery tray front panel.

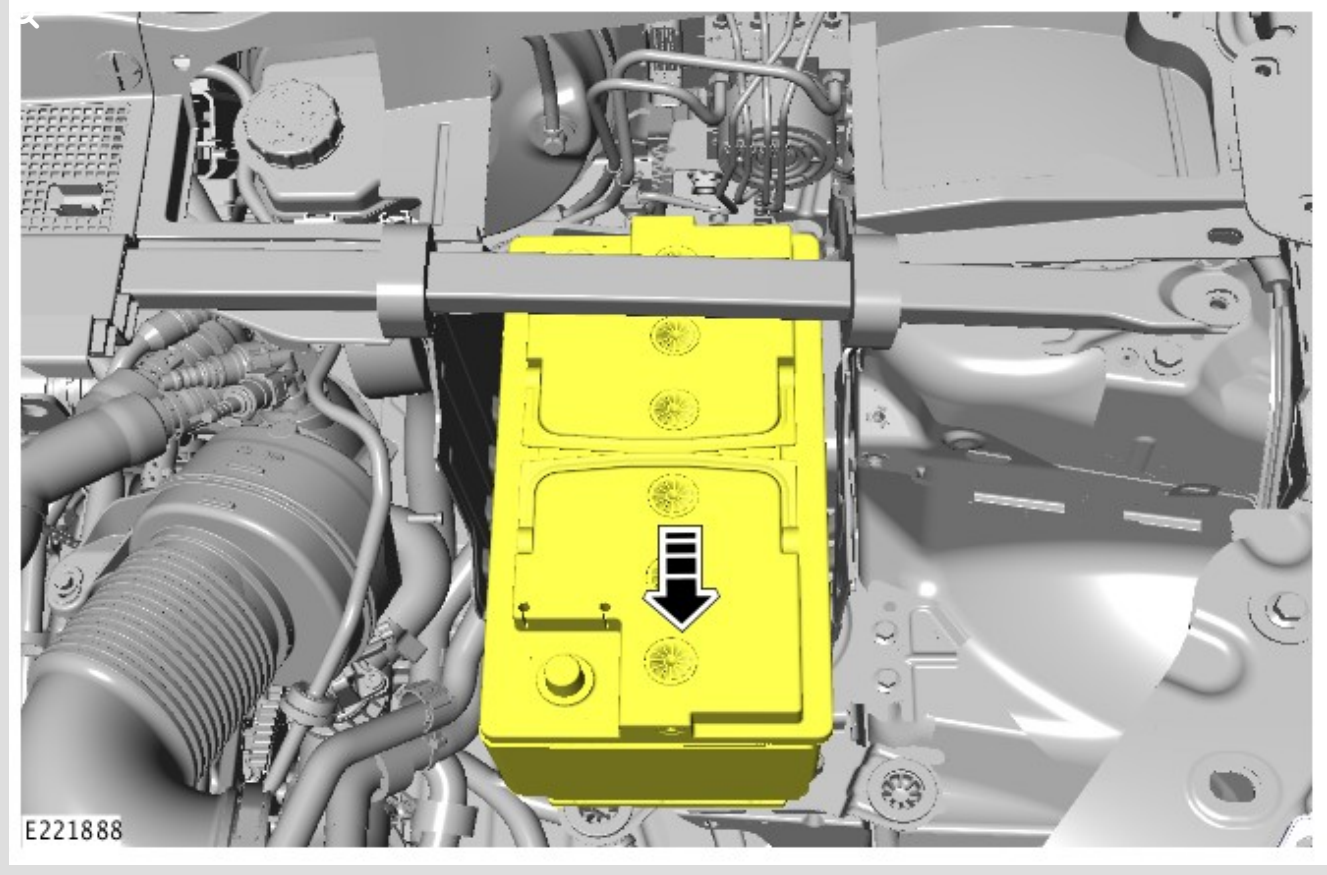
7



Remove the vehicle start up battery clamp.

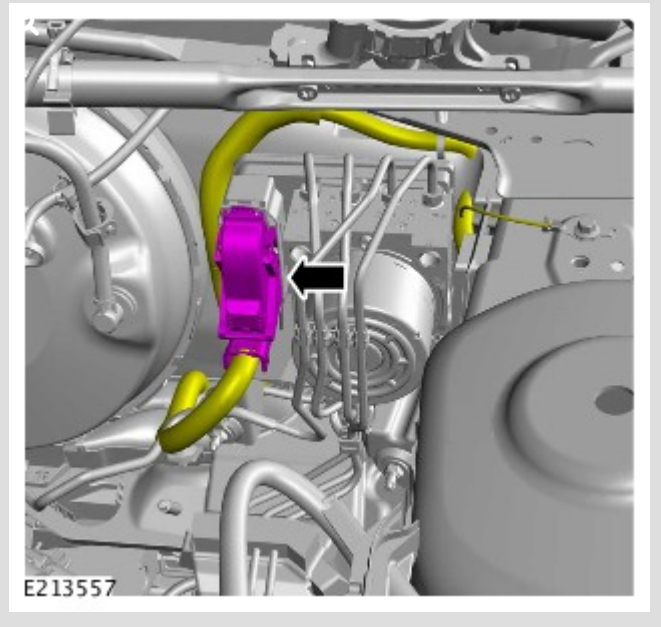
- Torque: **10 Nm**

8



Move the vehicle start up battery forward.

9



Disconnect the Anti-Lock Brake System (ABS) control module connector.



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Visually inspect the ABS control module connector for water ingress.

- If there is no evidence of water ingress (✓), go to step 11.
- If there is evidence of water ingress (✗), go to Workshop Procedure 'B'.



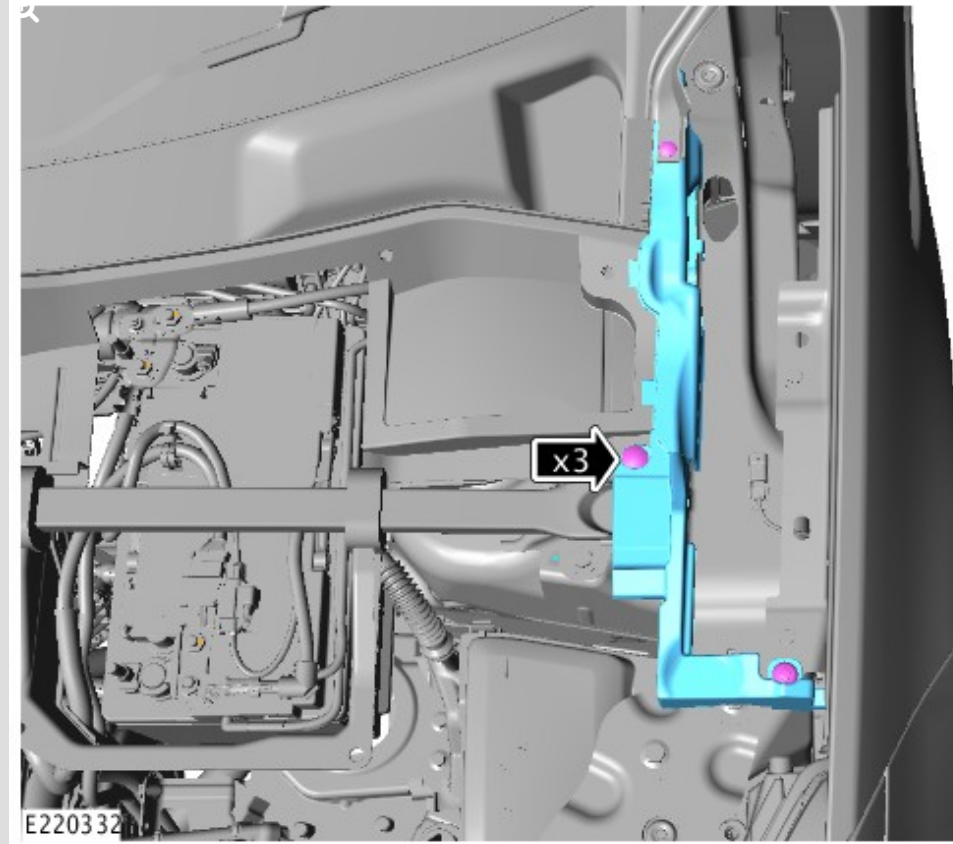
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Visually inspect the ABS control module for water ingress.

- If there is no evidence of water ingress (✓), go to step 12.
- If there is evidence of water ingress (✗), go to Workshop Procedure 'B'.

12

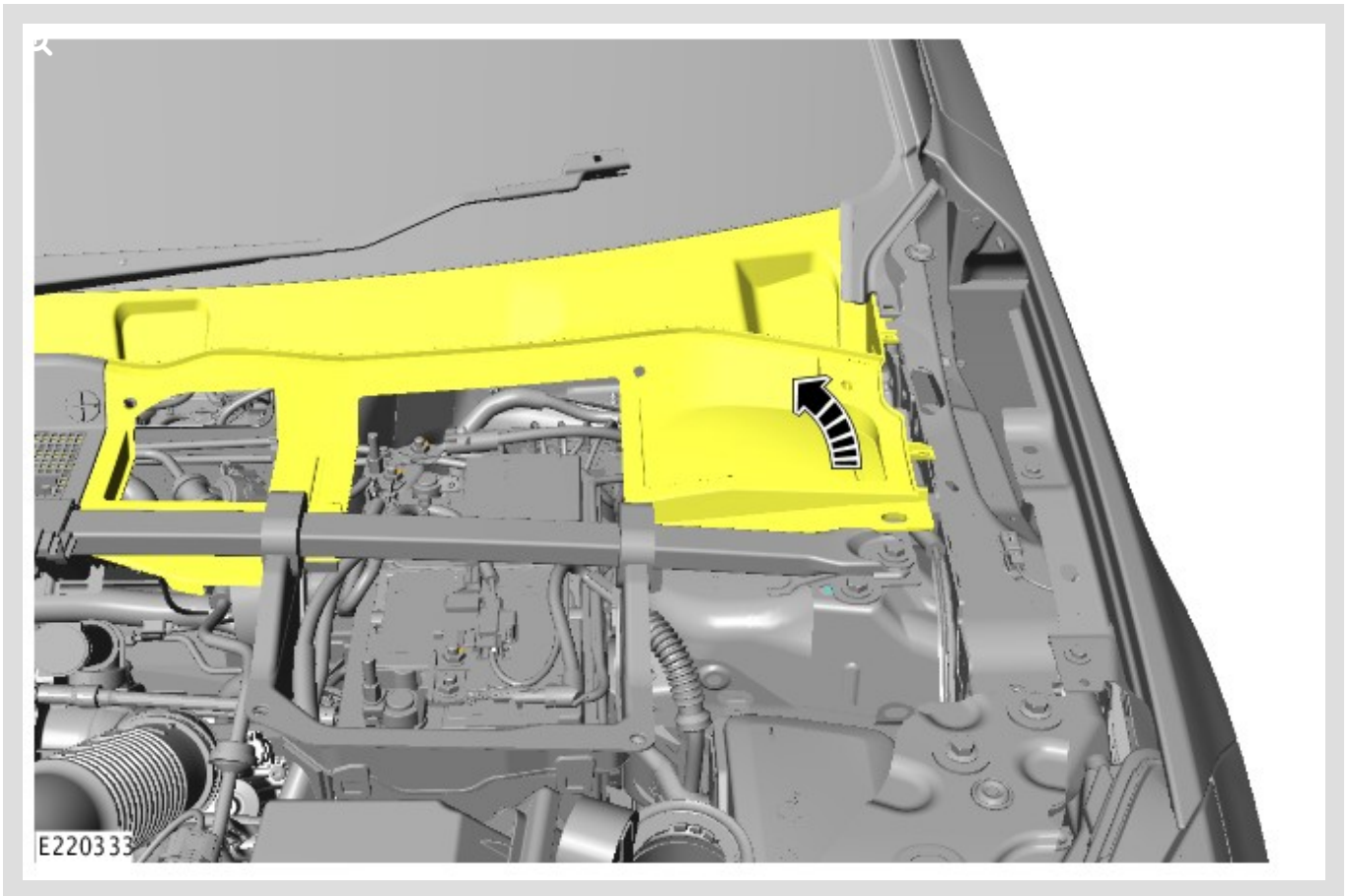


Remove the hood seals.

13

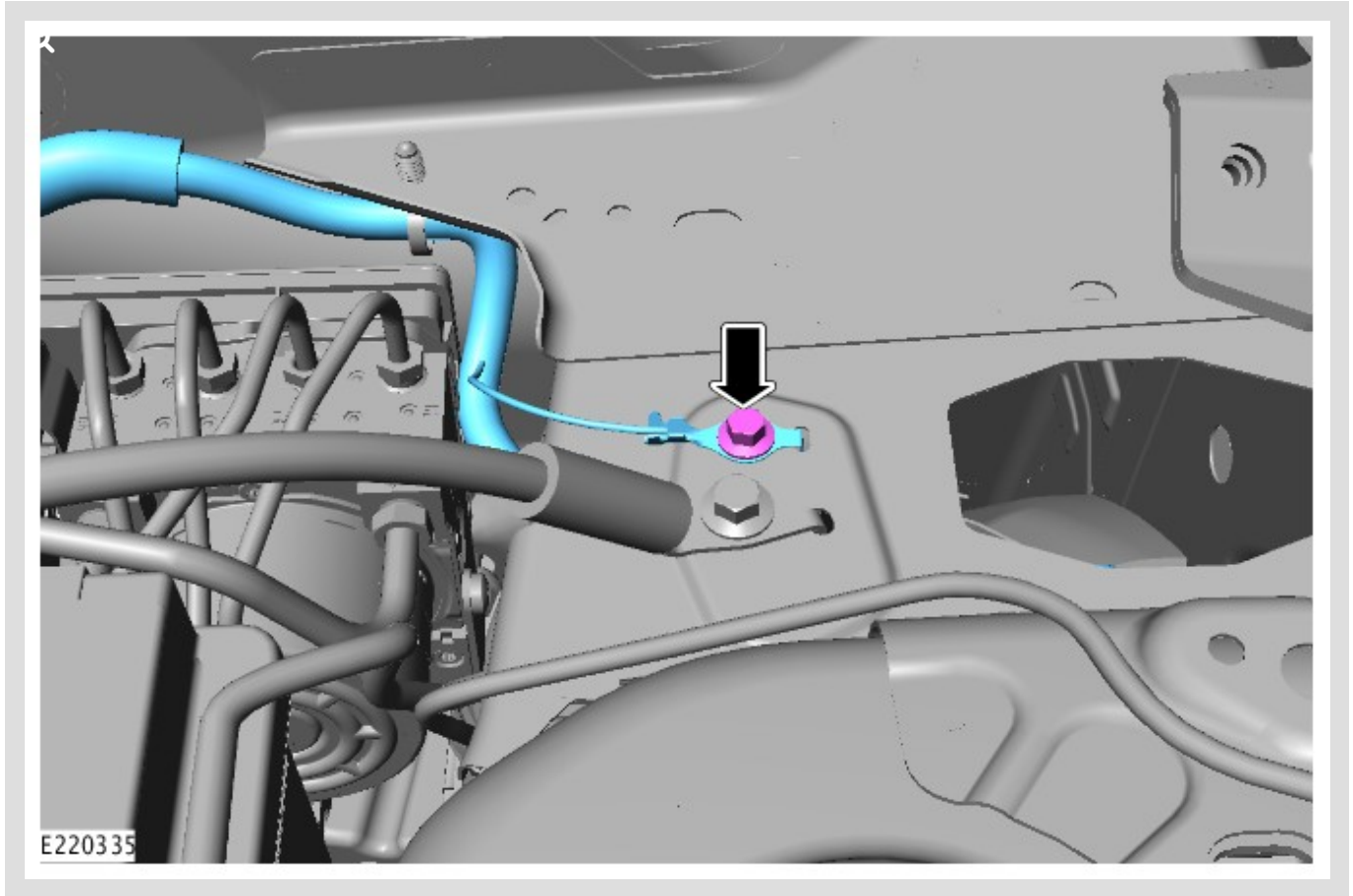
 **NOTE:**

A second Technician may be required to hold the cowl vent screen in the desired position.



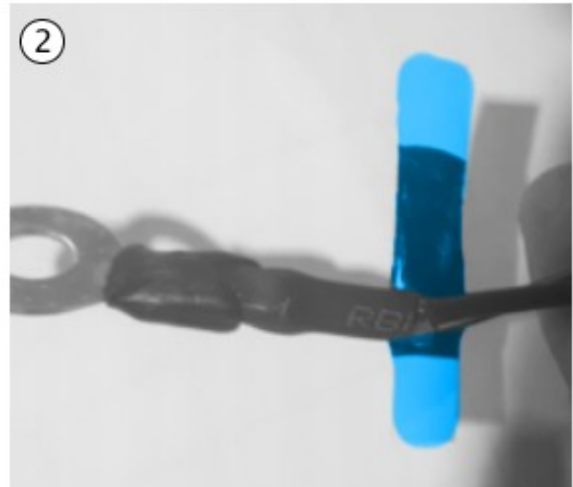
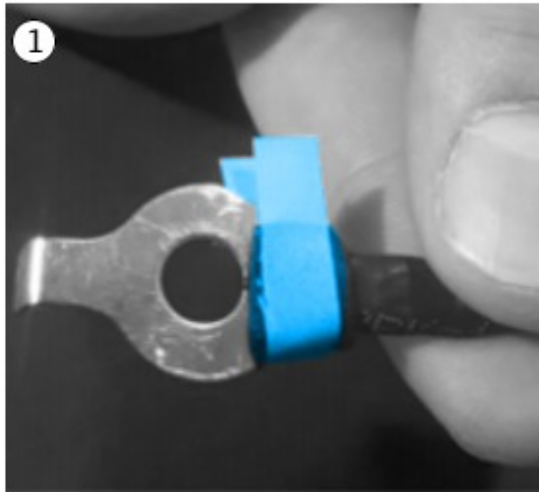
Position the cowl vent to the side.

14



Remove the ground cable fastener.

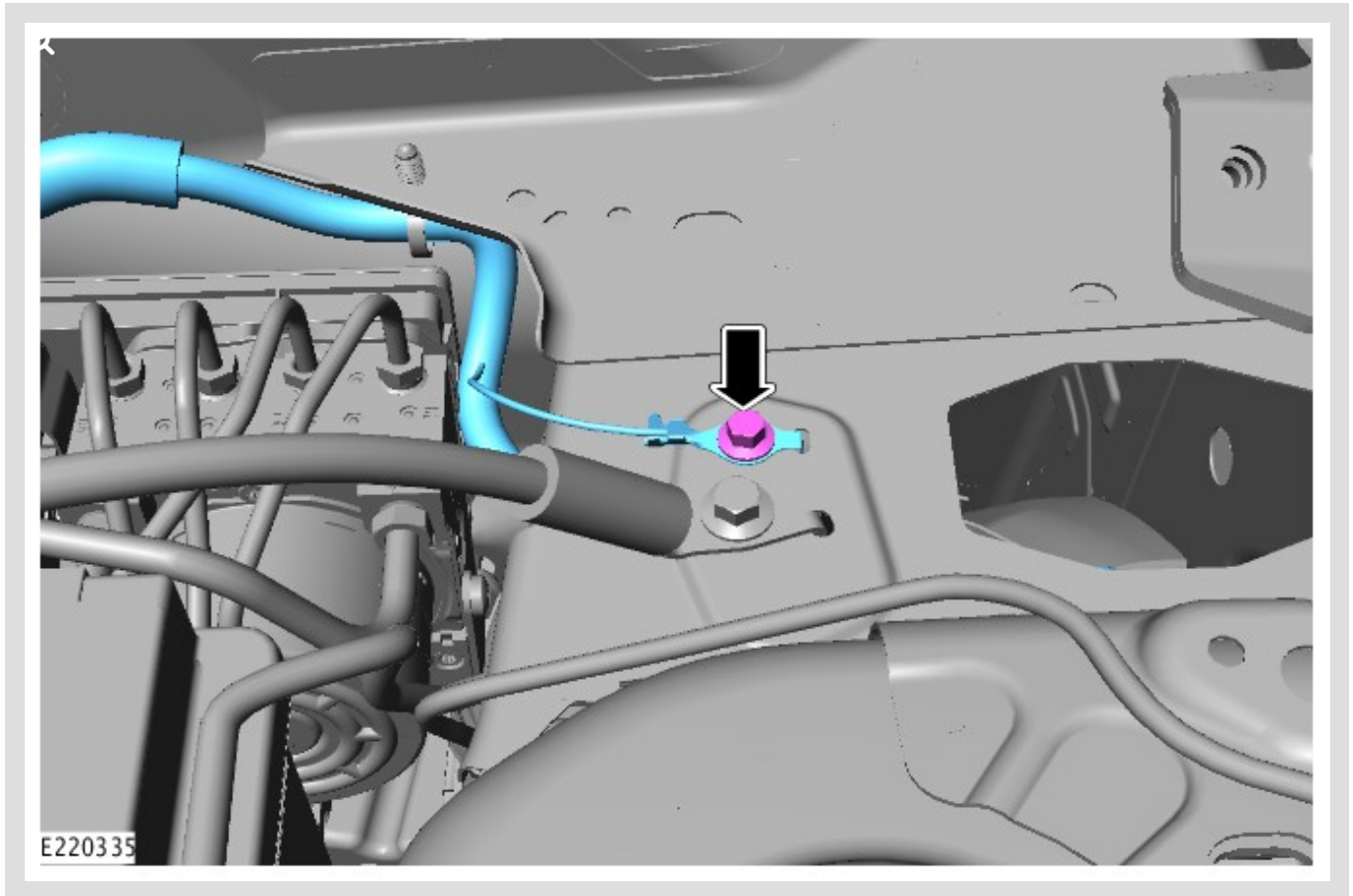
15 Cut two (2) pieces of butyl tape to 4mm wide.



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Install the butyl tape to the areas shown on the ground cable.

17



Install the ground cable.

- Torque: **10 Nm**

18 Reverse steps 1-13.

- Do not perform steps 10-11.

19 When all tasks are complete, release the vehicle.

WORKSHOP PROCEDURE 'B': ABS CONTROL MODULE AND ENGINE COMPARTMENT HARNESS REPLACEMENT

1

NOTE:

The time and service instruction to replace the Anti-lock Brake System (ABS) control module are included in the time and Service Instruction for the engine compartment wiring harness.

Replace the Engine Compartment Harness (see TOPlx Workshop Manual section 418-02: Wiring Harnesses - Engine Compartment Wiring Harness).

- 1 The Anti-lock Brake System (ABS) control module **must be replaced** as part of this step.

2 When all tasks are complete, go to the Diagnostic Procedure below.

DIAGNOSTIC PROCEDURE:

This Diagnostic Procedure is only for vehicles requiring the Jaguar Land Rover-approved diagnostic tool with PATHFINDER.

ⓘ CAUTIONS:

- A Jaguar Land Rover-approved Midtronics battery power supply must be connected to the vehicle startup battery during diagnosis / module programming.
- All ignition ON/OFF requests must be carried out; failure to perform these steps may cause damage to control modules in the vehicle.

- 1 Connect the Jaguar Land Rover-approved Midtronics battery power supply to the vehicle startup battery.

2 ⚠ NOTE:

The Jaguar Land Rover-approved diagnostic tool must be loaded with PATHFINDER version 154 (or later).

Connect the Jaguar Land Rover-approved diagnostic tool to the vehicle and begin a new session.

3 ⚠ NOTE:

The Jaguar Land Rover-approved diagnostic tool will read the correct Vehicle Identification Number (VIN) for the current vehicle and automatically take the vehicle out of Transit mode if required.

Follow the on-screen prompts.

4 Select **ECU Diagnostics**.

5 Select **Anti-Lock Brake System Control Module [ABS]**.

6 Select **Replace ECU**.

- 1 Follow all on-screen instructions until the application completes successfully.
- 2 When all tasks are complete, go to the next Step.

7 Exit the current session.

- 1 If required, reset the vehicle to **Transit mode**.
- 2 Select the **Exit** icon.

8 Disconnect the diagnostic tool and battery power supply from the vehicle.