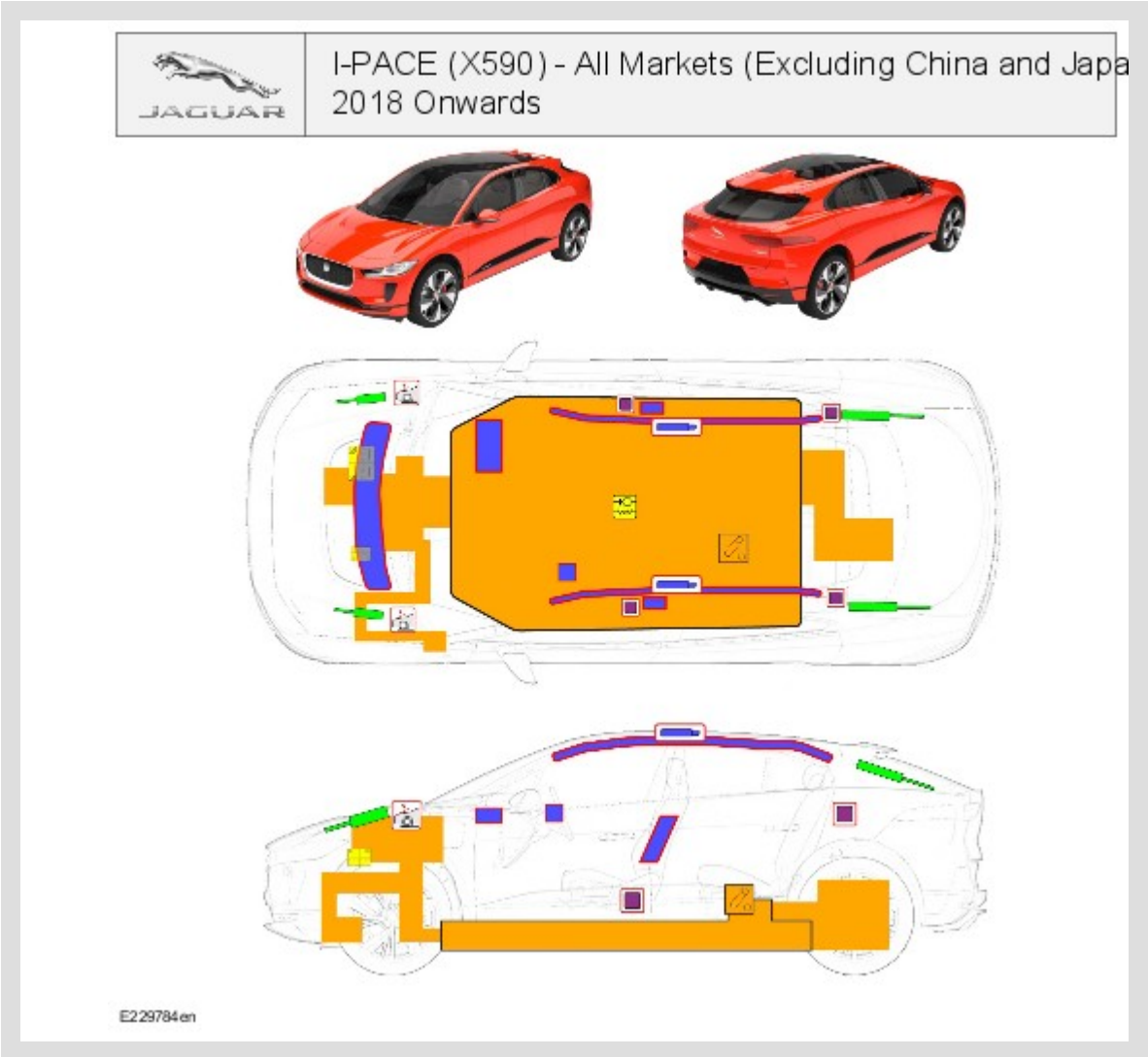
GENERAL INFORMATION

FIRST RESPONDER [G2257157]

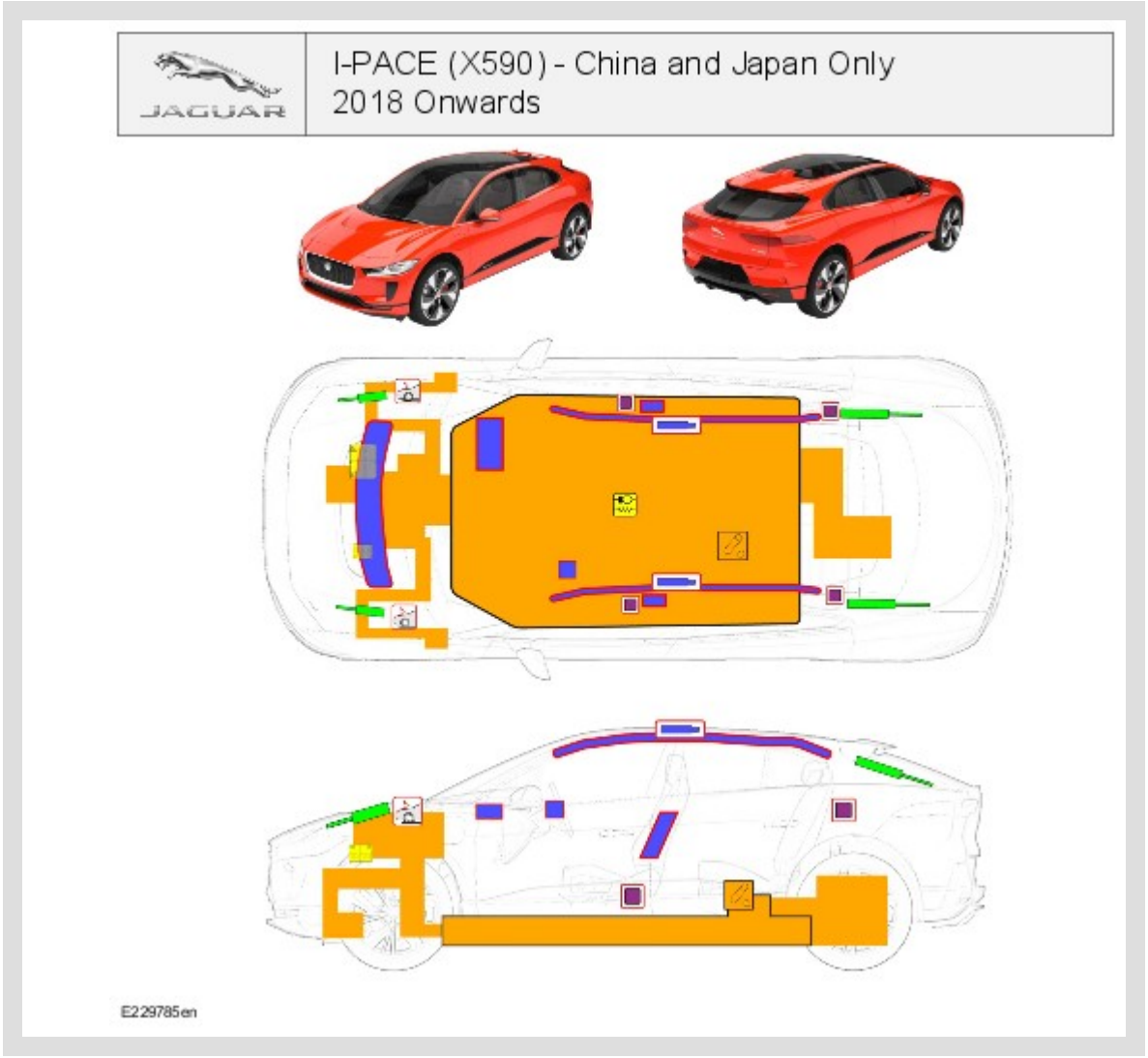
DESCRIPTION AND OPERATION

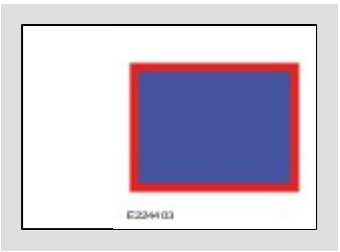
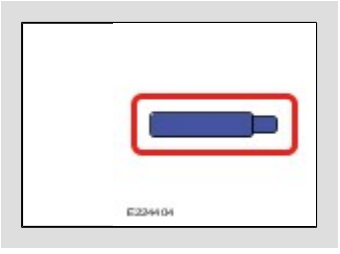
RESCUE SHEET

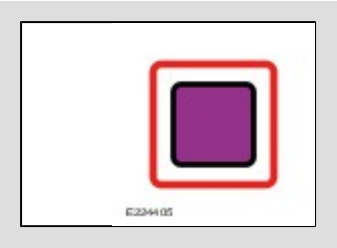
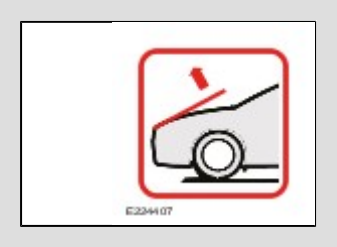
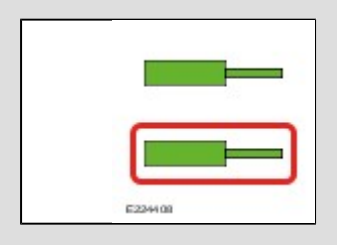
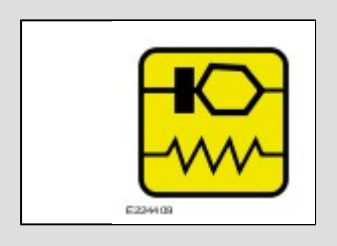
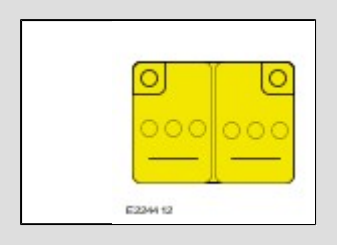
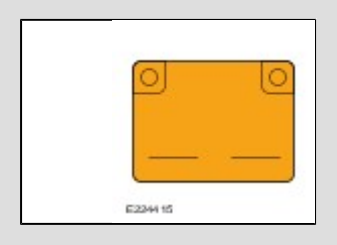
All Markets (Excluding China and Japan)

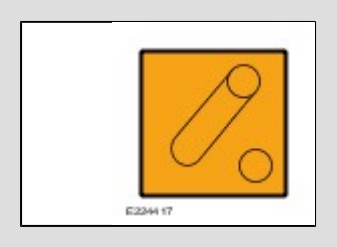


China and Japan Only



ITEM	DESCRIPTION
	Airbag
	Airbag inflator/ stored gas inflator
	Seatbelt pretensioner

ITEM	DESCRIPTION
	
	Pedestrian protection active system
	Gas strut/Preloaded spring
	SRS control unit
	Battery, low-voltage
	High-voltage battery pack

ITEM	DESCRIPTION
	High-voltage power cable/ component
	High-voltage disconnect

AVOIDANCE OF ROLL AWAY OF THE CRASHED VEHICLE

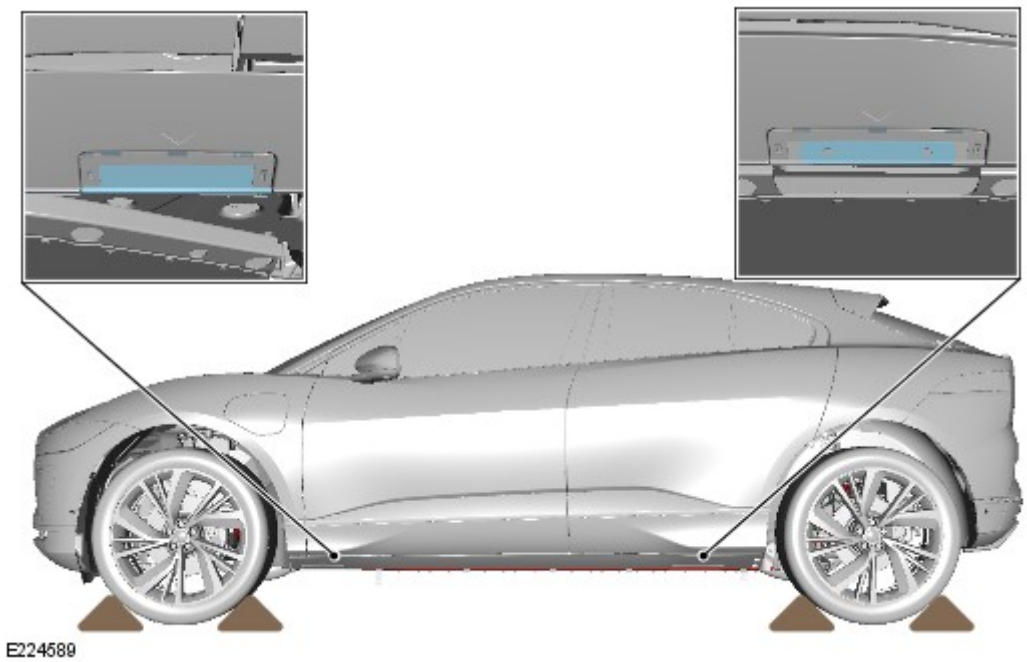
The vehicle may roll if the transmission does not lock or the park brake is inoperable. The road wheels should be chocked to prevent unexpected movement.

Vehicle lifting and jacking points can be found behind the sill trims as shown in the illustration.

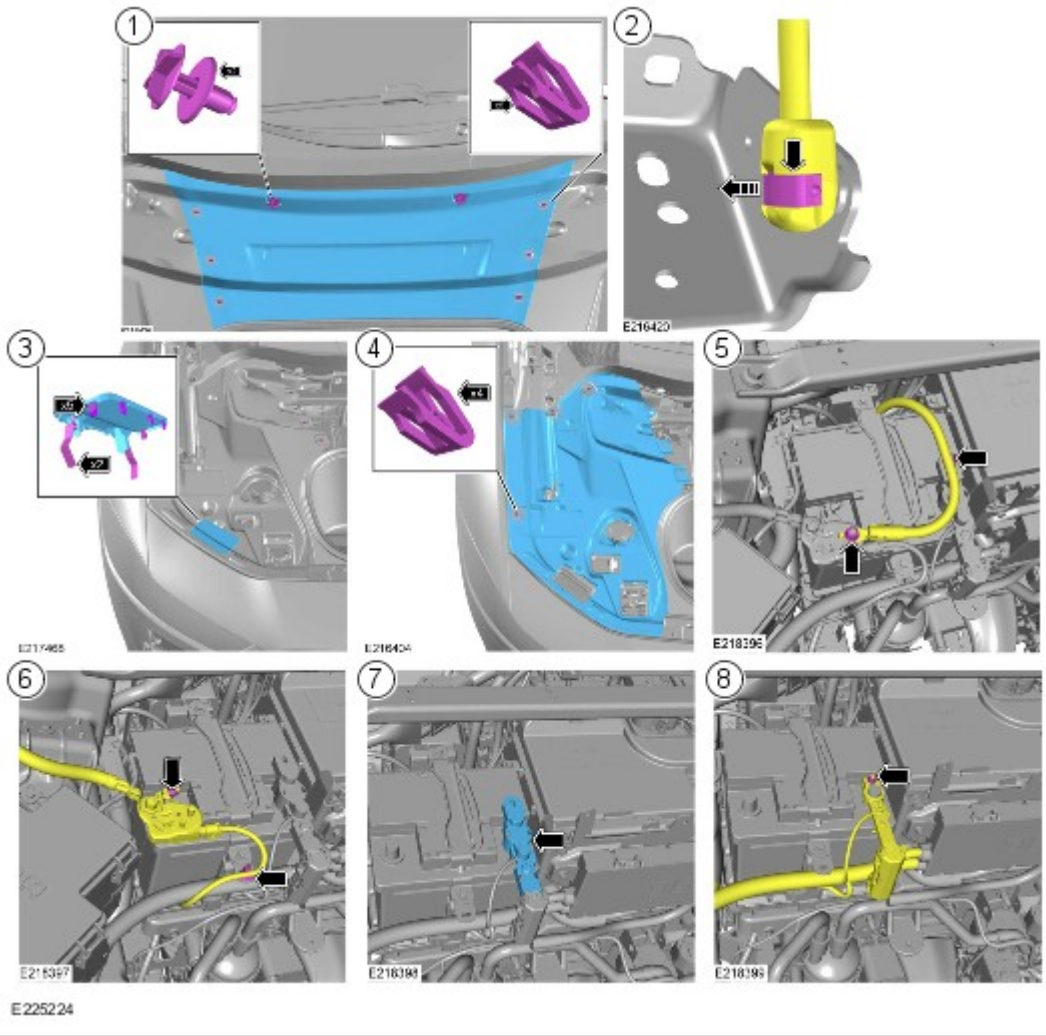
WARNING:

Make sure that no contact is made between the lifting equipment and the high voltage battery or any other high voltage components.

The jack or lift support must be positioned centrally on the locations shown to provide a safe vehicle weight distribution and avoid vehicle damage.



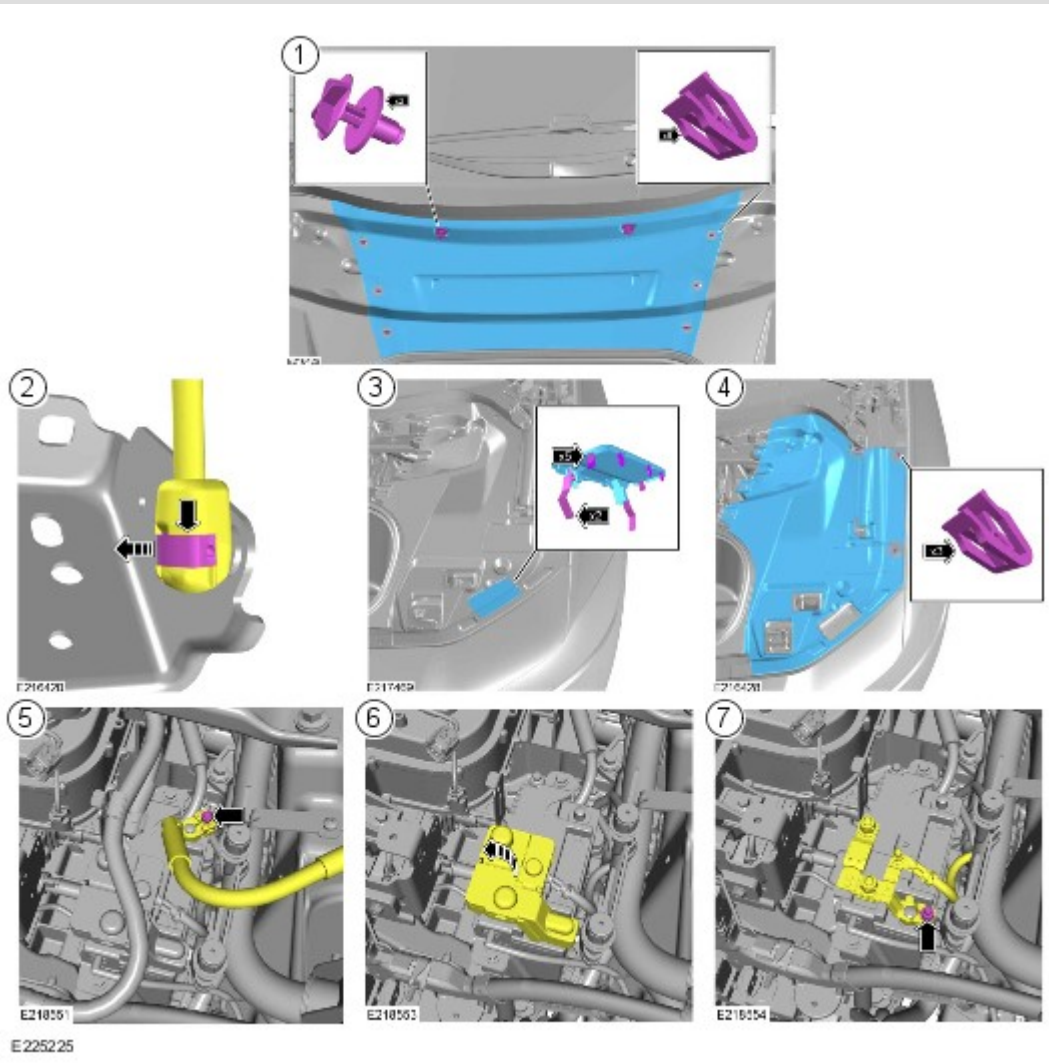
DISCONNECTING THE STARTUP BATTERY



ITEM	DESCRIPTION
1	Release 6 clips and 2 screws and remove the front compartment center trim panel
2	**WARNING:** Make sure that the hood is sufficiently supported before the gas strut is disconnected. Release the strut from the body
3	Release the 5 clips and remove the trim panel
4	Release the 4 clips and remove the trim panel
5	Disconnect the Direct Current to Direct Current converter (DC/DC) ground cable
6	Disconnect the startup battery ground cable
7	Remove the startup battery positive terminal cover

ITEM	DESCRIPTION
8	Disconnect the startup battery positive terminal

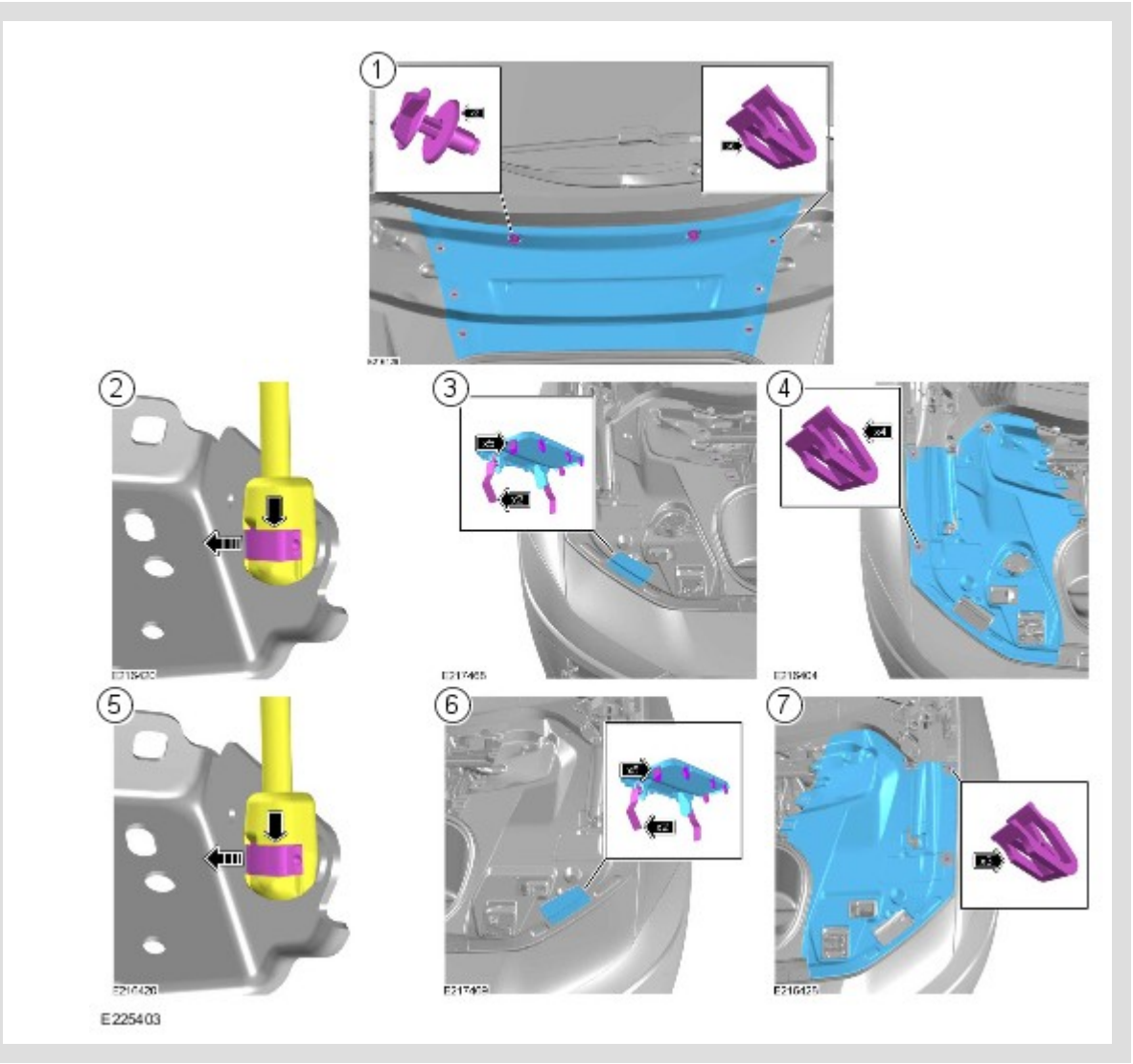
DISCONNECTING THE AUXILIARY BATTERY



ITEM	DESCRIPTION
1	Release 6 clips and 2 screws and remove the front compartment center trim panel
2	**WARNING:** Make sure that the hood is sufficiently supported before the gas strut is disconnected. Release the strut from the body
3	Release the 5 clips and remove the trim panel
4	Release the 3 clips and remove the trim panel
5	Disconnect the auxiliary battery ground cable

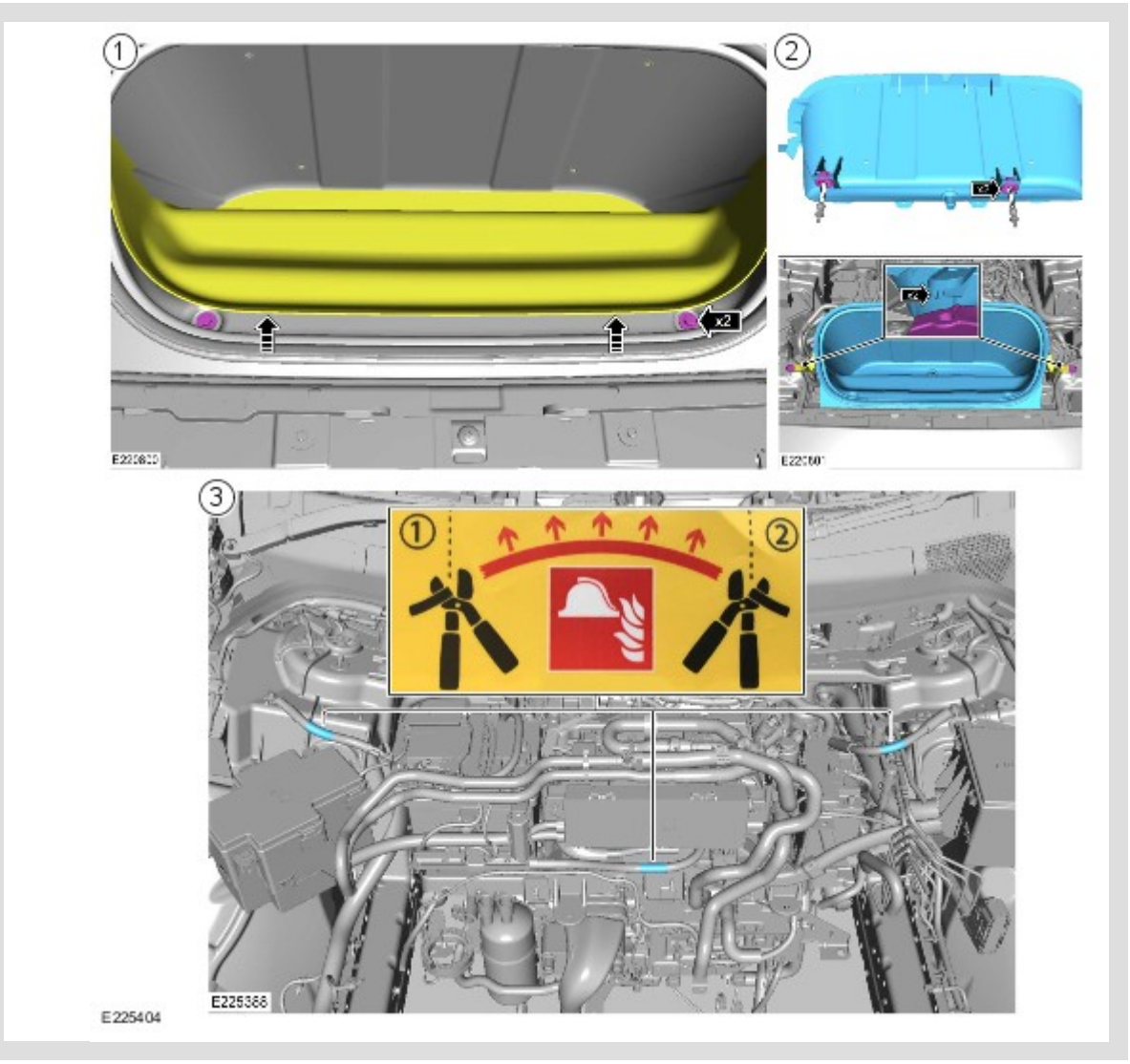
ITEM	DESCRIPTION
6	Release the battery positive cable cover
7	Disconnect the auxiliary battery positive cable

DEACTIVATING OF 12 VOLT SYSTEM



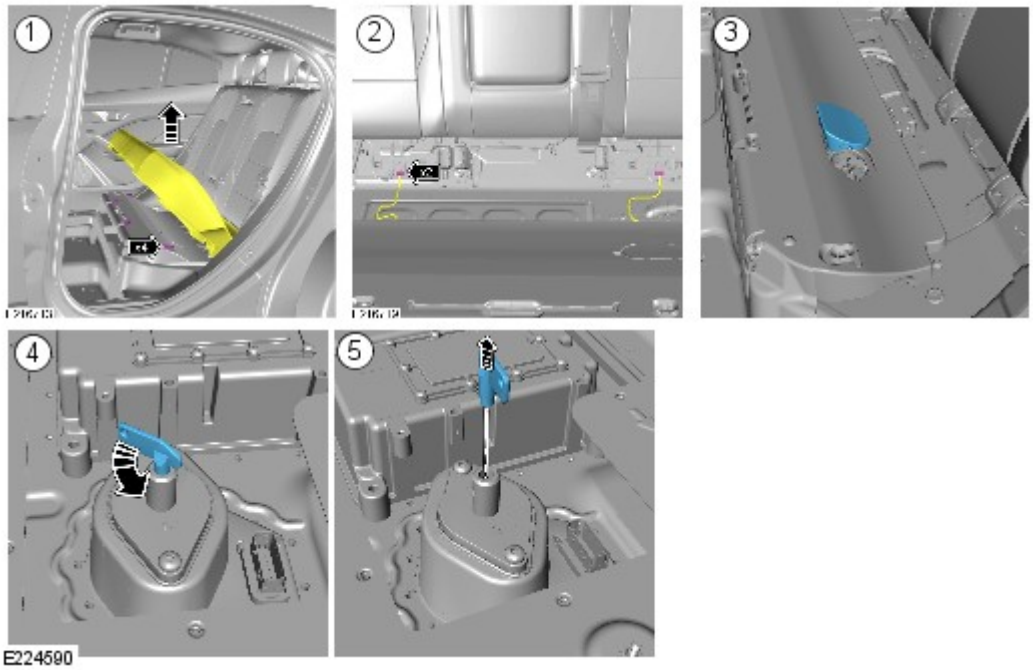
ITEM	DESCRIPTION
1	Release 6 clips and 2 screws and remove the front compartment center trim panel
2	**WARNING:** Make sure that the hood is sufficiently supported before the gas strut is disconnected. Release the strut from the body
3	Release the 5 clips and remove the trim panel
4	Release the 4 clips and remove the trim panel

ITEM	DESCRIPTION
5	**WARNING:** Make sure that the hood is sufficiently supported before the gas strut is disconnected. Release the strut from the body
6	Release the 5 clips and remove the trim panel
7	Release the 3 clips and remove the trim panel



ITEM	DESCRIPTION
1	Remove the 2 front stowage compartment bolts
2	Release the 4 clips and remove the front stowage compartment
3	Cut the wires as illustrated

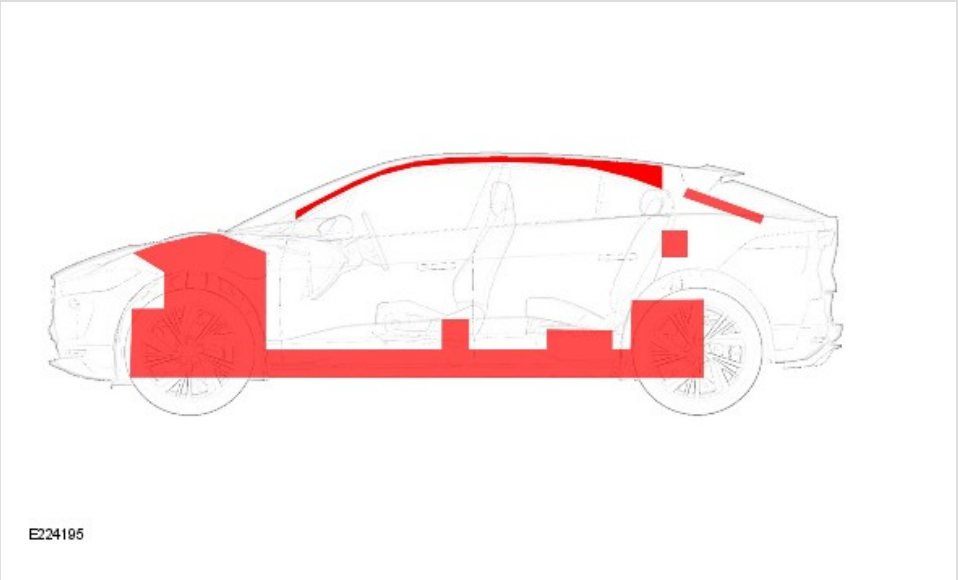
DEACTIVATING OF HIGH VOLTAGE SYSTEM



ITEM	DESCRIPTION
1	Release the rear seat base from the 4 clips
2	Disconnect the 2 electrical connectors and remove the seat base
3	Remove the access panel
4	Rotate the key counter clockwise
5	Remove the key

ADDITIONAL INFORMATION FOR RESCUING

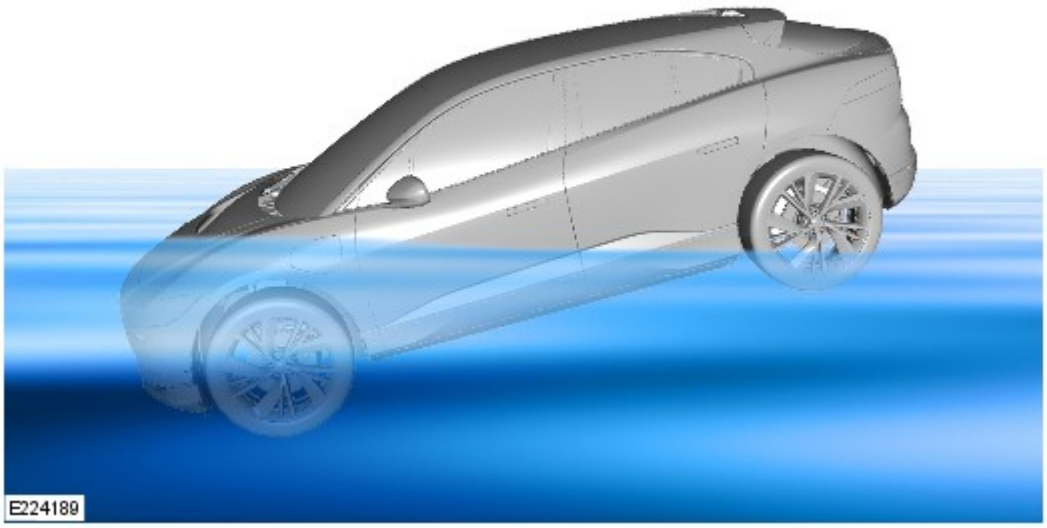
The areas highlighted in RED show areas that must not be cut.



The sills must be supported during cutting and extrication procedures. If a ram must be deployed, place blocks under the sill around the area where force is applied. If a suitable jacking point cannot be located, support the sills and deflate the tires.

ADDITIONAL INFORMATION IN CASE OF FULLY OR PARTIALLY SUBMERGED VEHICLE

A Battery Electric Vehicle (BEV) that has experienced complete or partial submersion in water can be treated in the same manor as other vehicles, the vehicle body does not present an increased risk.



Persons handling the recovery of a BEV must wear appropriate **PPE**, as detailed by your local authority, until the High Voltage (HV) system has been correctly powered down.

ADDITIONAL INFORMATION IN CASE OF A FIRE

Small vehicle fires that do not involve the High Voltage (HV) system can be treated with normal firefighting methods.

High Voltage (HV) System Exposure

An Electric Vehicle (EV) battery involved in a fire, or exposed to high heat levels, will release toxic vapors. These vapors include:

- Sulfuric acid
- Oxides of carbon
- Nickel
- Lithium
- Copper
- Cobalt

Responders must protect themselves with full **PPE** and **breathing apparatus** and consider other persons in the surrounding areas.

The EV battery consists of lithium-ion cells. These cells are considered dry cells. If damaged, only a small amount of fluid can leak. Lithium-ion battery fluid is clear in color.

The High Voltage (HV) system has it's own coolant which is typically glycol based coolant. If the system is damaged, this orange coolant can leak out of the high voltage battery or surrounding components.

A damaged EV battery can create rapid heating of the battery modules. If you notice smoke coming from the EV battery or surrounding components assume the vehicle is **UNSAFE** and contact Emergency services for further assistance.

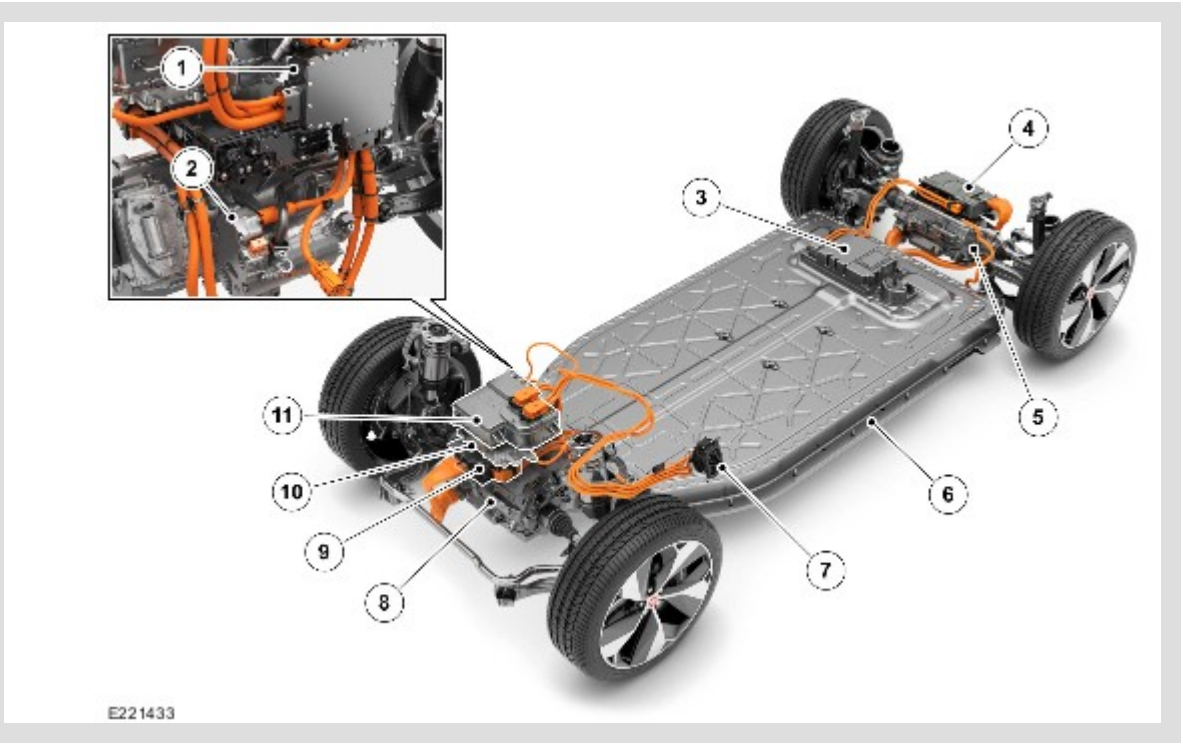
High Voltage (HV) Battery Fire

If the Electric Vehicle (EV) battery or components within the High Voltage (HV) system are subject to fire or high heat levels, the HV system must be treated as **UNSAFE** and therefore sufficient **PPE** must be worn and any contact with the vehicle is to be avoided. Areas exposed to fire or high heat must be treated using high volumes of water, **DO NOT** attempt to extinguish a HV system fire without sufficient water supply. Wait for the correct Emergency services if required.

Battery fires can take up to 24 hours to extinguish. Consider allowing the battery to burn while protecting the surrounding areas.

MISCELLANEOUS INFORMATION

High Voltage System and Driveline Layout



ITEM	DESCRIPTION
1	High Voltage Junction Box (HVJB) - **HV System**
2	Air Conditioning Compressor - **HV System**
3	Battery Energy Module (BEM) - **HV System**
4	Rear Electronic Power Inverter Converter (EPIC) - **HV System**
5	Rear Electric Drive Unit (EDU) - **HV System**
6	Electric Vehicle (EV) Battery - **HV System**
7	Charging Port (US, EU, China (DC) Japan (DC)) - **HV System**
8	Front Electric Drive Unit (EDU) - **HV System**
9	Front Electronic Power Inverter Converter (EPIC) - **HV System**
10	DC/DC Converter (high voltage to low voltage) - **HV System**
11	Onboard Charging Module - **HV System**