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2020.0 DEFENDER (LE), 501-27

FRONT END SHEET METAL REPAIRS

FRONT FENDER MOUNTING BRACKET UPPER - 110

[G2394528]

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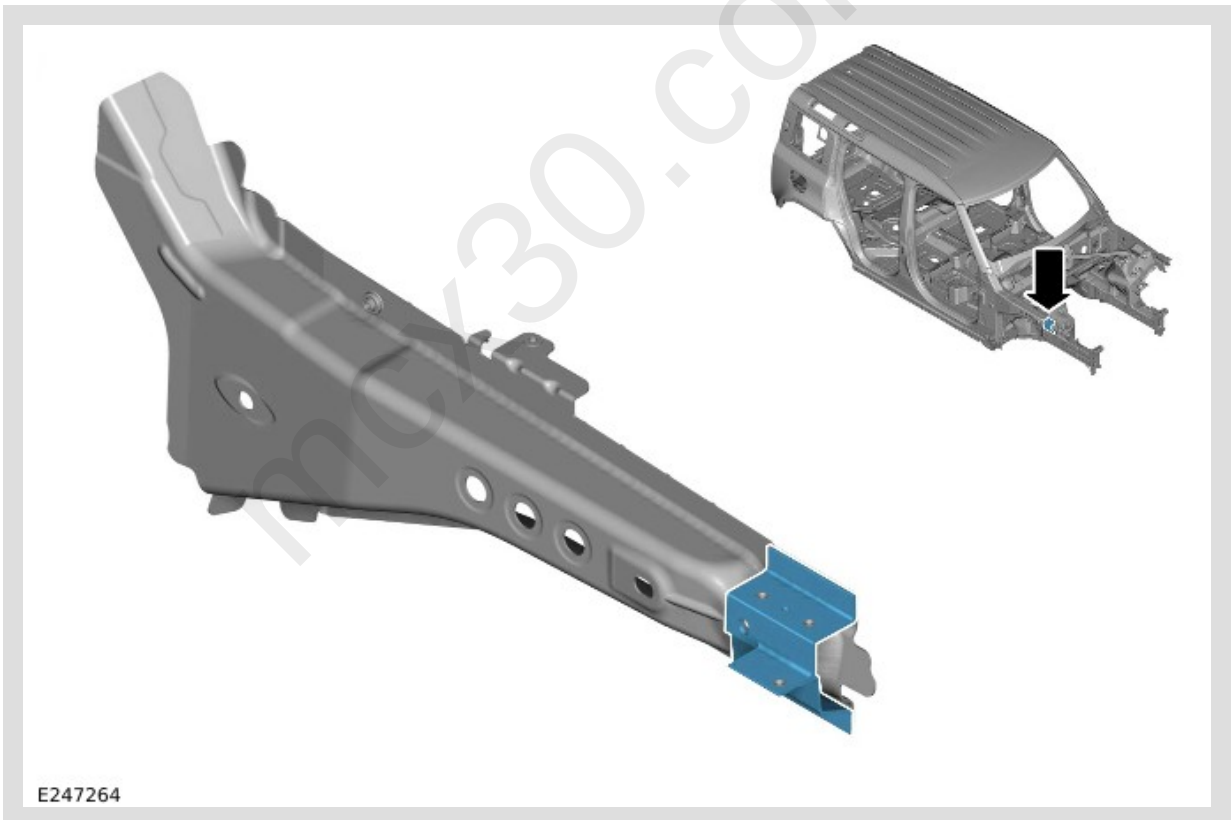
REMOVAL

 NOTE:

The front fender mounting bracket upper is installed in conjunction with:

- Fender
- Hood latch panel
- Air filter housing

1.



The front fender mounting bracket upper is serviced as indicated.

2. Before commencing this procedure make sure that you are aware of all Health and Safety requirements. Refer to: [Health and Safety Precautions](#) (100-00 General Information, Description and Operation).

3.



NOTES:

- Where Breakstem Fastener (BSF) removal is instructed remove the fastener shaft with a 4 mm punch and remove the head with a 6.5 mm drill bit. Clean all the drilled holes to make sure they are free from debris.
- Where Self Piercing Rivet (SPR) removal is instructed use either the Jaguar Land Rover (JLR) approved SPR tool or a 5.3 mm drill bit. Clean all the drilled holes to make sure they are free from debris.
- Any joints sealed as part of vehicle manufacture must be sealed as part of the repair.

When installing the front fender mounting bracket upper make sure that you are aware of the methods, tools and fixings used in this procedure.

Refer to: [Body Repairs](#) (501-25A Body Repairs - General Information, Description and Operation).

Refer to: [Adhesives, Fixings and Consumables](#) (501-25A Body Repairs - General Information, Description and Operation).

4.

For additional information on the fixings required to complete this procedure

Refer to: [Specifications - 110](#) (501-27 Front End Sheet Metal Repairs, Specifications).

5.

For additional removal information

Refer to: [Front Right Fender](#) (501-02 Front End Body Panels, Removal and Installation).

6.

For additional removal information

Refer to: [Hood Latch Panel](#) (501-02 Front End Body Panels, Removal and Installation).

7.

For additional removal information

Refer to: [Air Filter Housing](#) (303-12A Intake Air Distribution and Filtering - INGENIUM I4 2.0L Diesel, Removal and Installation).

Refer to: [Air Filter Housing](#) (303-12B Intake Air Distribution and Filtering - INGENIUM I4 2.0L Petrol /INGENIUM I4 2.0L Petrol - PHEV, Removal and Installation).

Refer to: [Air Filter Housing](#) (303-12C Intake Air Distribution and Filtering - INGENIUM I6 3.0L Petrol, Removal and Installation).

8.

Release and position the wiring harness to one side.

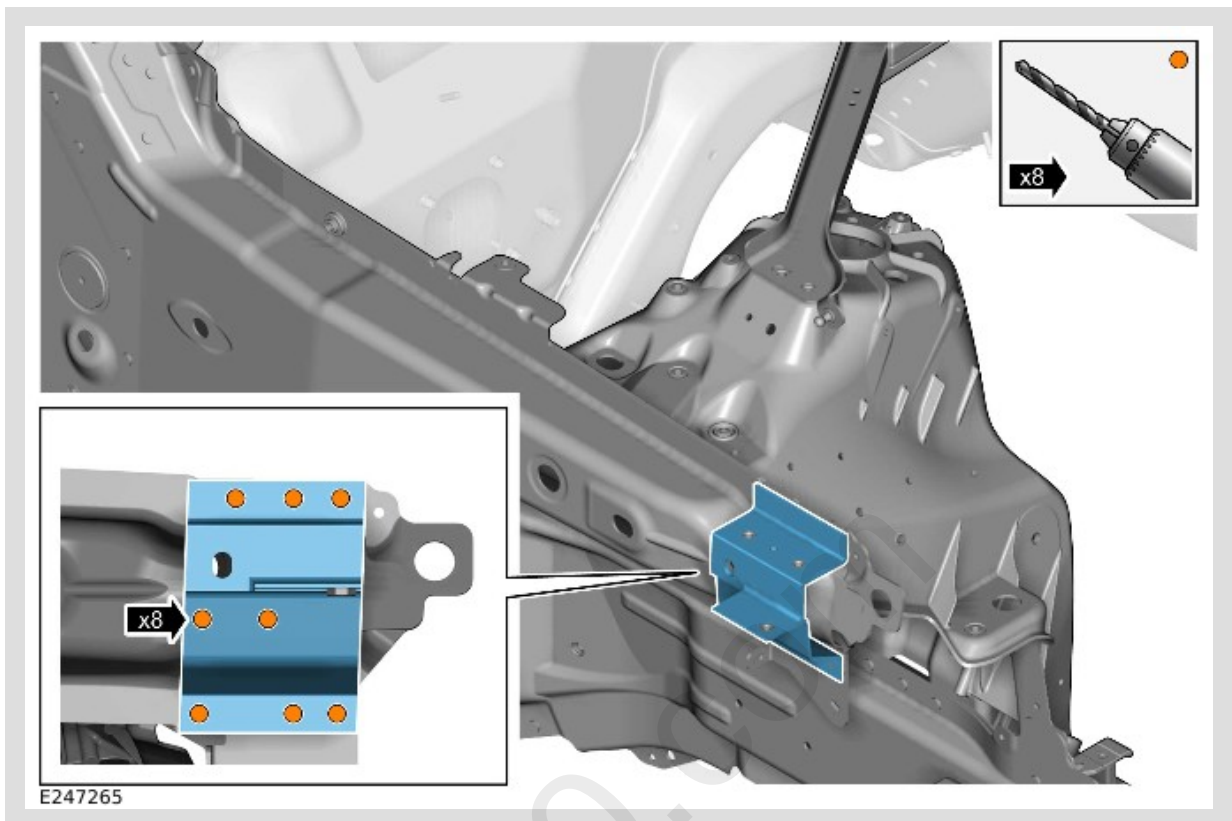
9.

Release and position the air conditioning pipes to one side.

10.

⚠ CAUTION:

Care should be taken not to damage the Air Conditioning (A/C) pipes.



Remove the self piercing rivets as indicated.

11. Carefully separate the joints and remove the front fender mounting bracket upper.

INSTALLATION**⚠ CAUTION:**

Where structural adhesive is to be applied between surfaces it is essential compression is applied to the joints during the curing period.

△ NOTE:

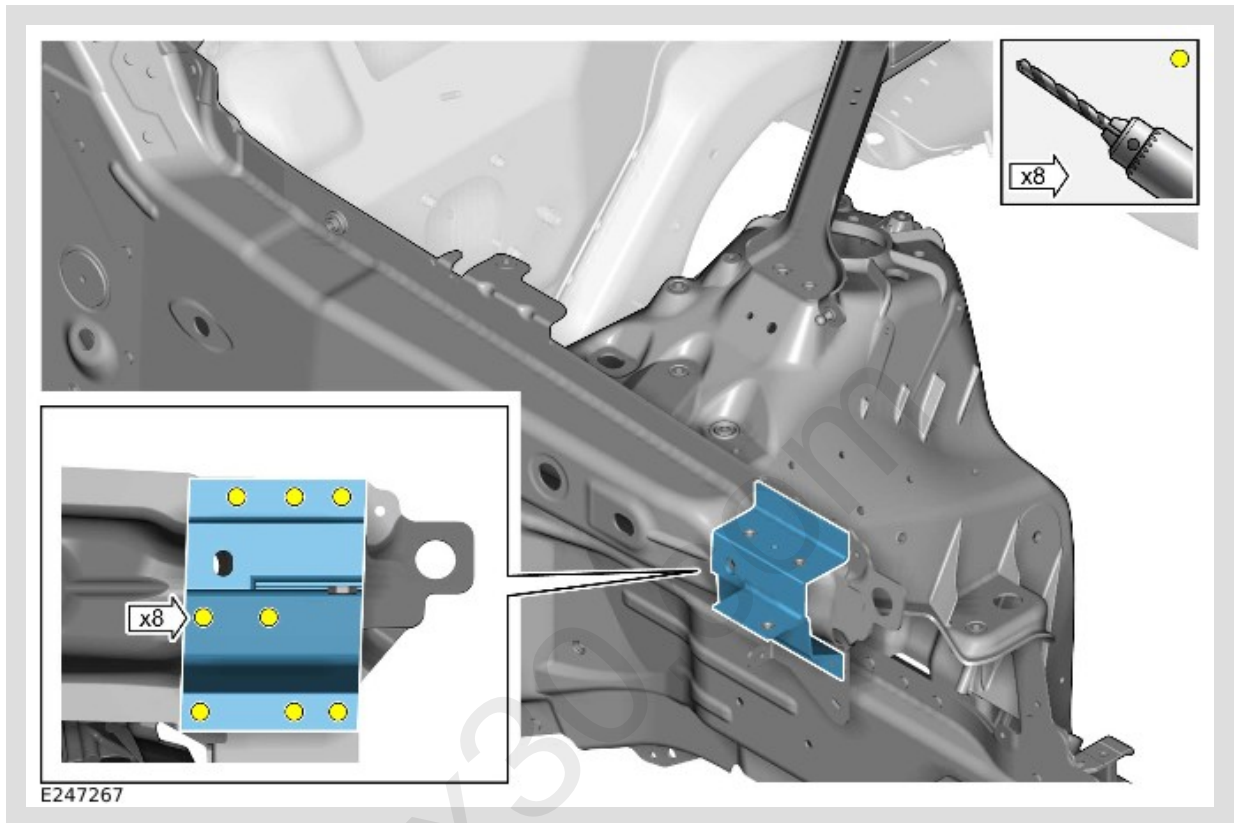
Breakstem Fastener (BSF) installation involves using the JLR approved BSF installation tool and requires a hole diameter of 6.5 mm.

1. Remove the rivet remnants.
2. Dress the flanges where necessary.

3. Offer up the new front fender mounting bracket upper and clamp into position. Check alignment, if correct proceed to next step, if not rectify and check the alignment again before proceeding.

4. **⚠ CAUTION:**

Care should be taken not to damage the A/C pipes.



Drill holes where the Breakstem Fasteners (BSFs) are to be installed as indicated.

5. Remove the new front fender mounting bracket upper.

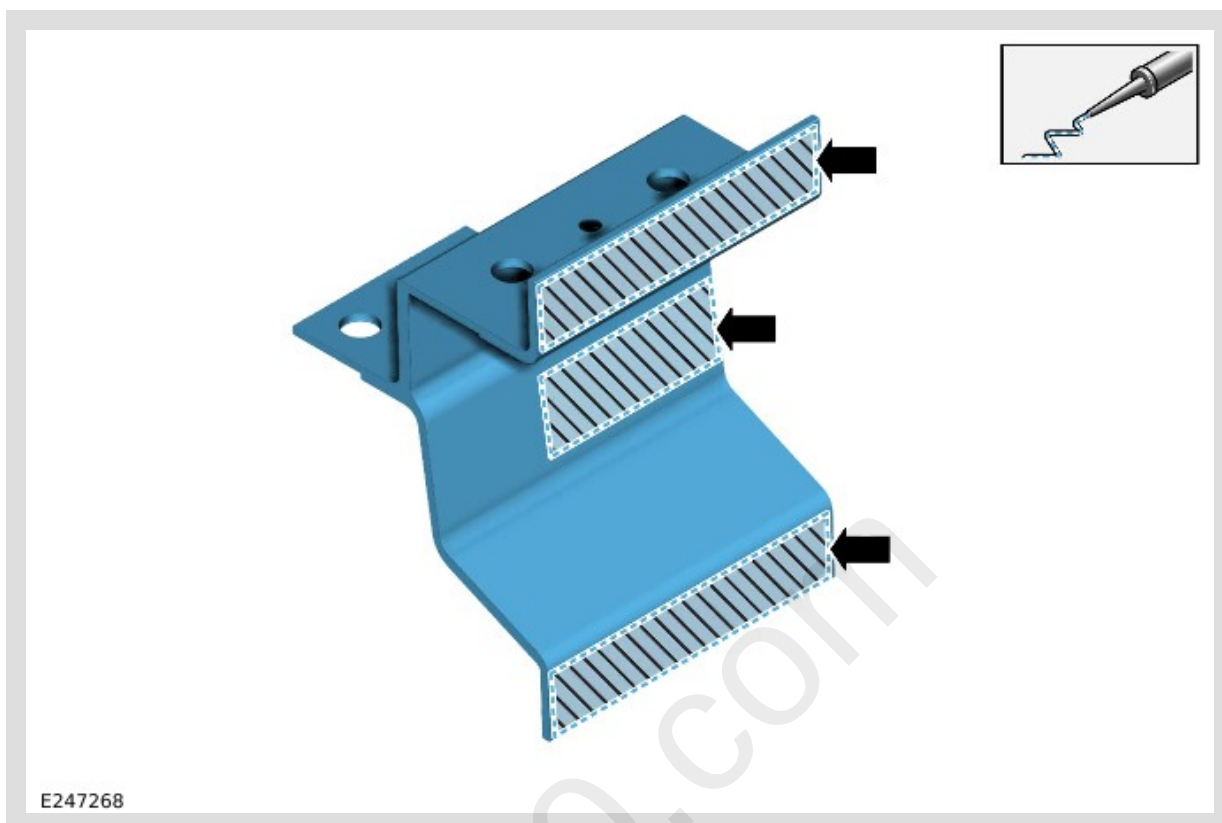
6. Deburr the drilled holes.

7. Clean and prepare the panel surfaces.

8.

 NOTE:

Make sure a continuous bead of adhesive surrounds fixing holes.



Apply a 5 mm zig zag bead of the JLR recommended bonding material as indicated.

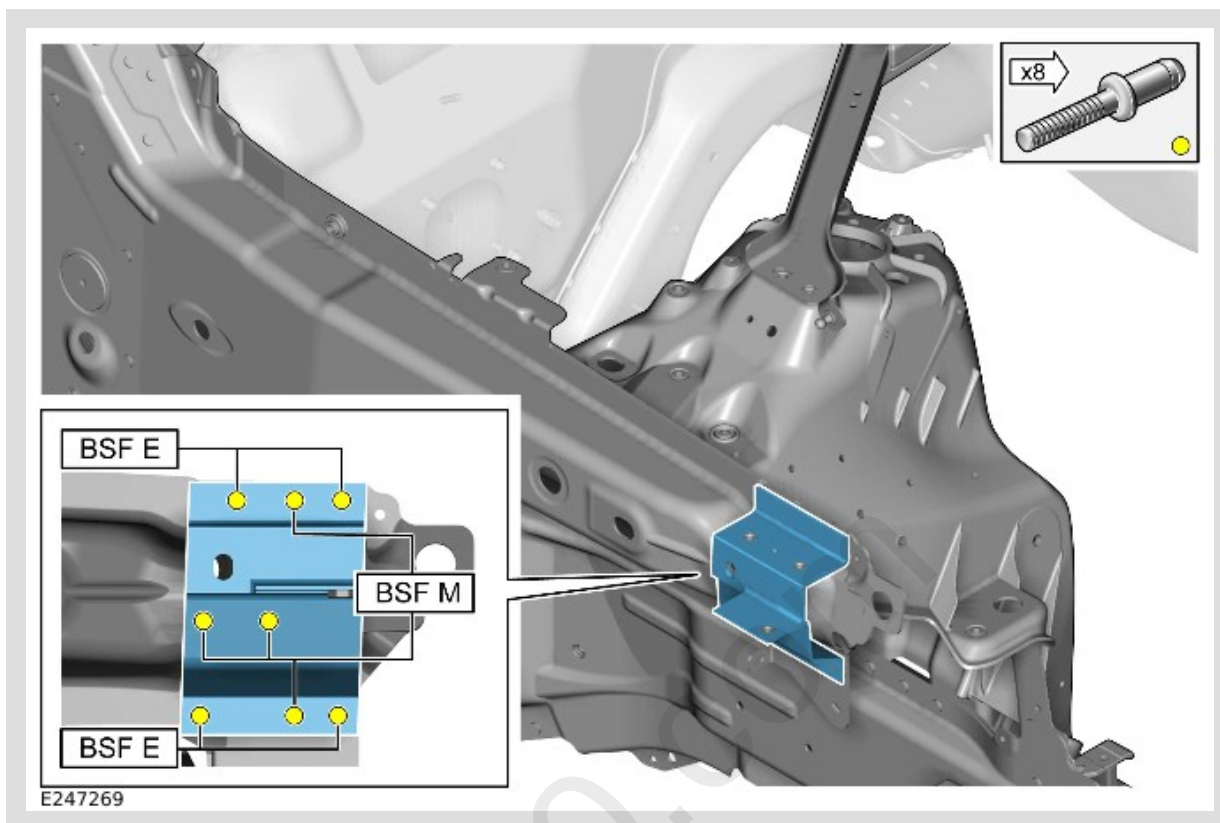
9.

Offer up the new front fender mounting bracket upper and clamp into position. Check alignment, if correct proceed to next step, if not rectify and check the alignment again before proceeding.

10.

⚠ CAUTION:

Care should be taken not to damage the A/C pipes.



Install the BSFs as indicated.

11. Remove any excess adhesive.
12. Make sure that any open or exposed panel joints are correctly sealed.
13. Make sure that all installed BSFs are sealed using a JLR recommended sealer.
14. Make sure corrosion protection is applied to all areas affected by the repair.

△ NOTE:

The installation of associated panels and components is the reversal of the removal procedure.

15. For additional installation information

Refer to: [Air Filter Housing](#) (303-12A Intake Air Distribution and Filtering - INGENIUM I4 2.0L Diesel, Removal and Installation).

Refer to: [Air Filter Housing](#) (303-12B Intake Air Distribution and Filtering - INGENIUM I4 2.0L Petrol /INGENIUM I4 2.0L Petrol - PHEV, Removal and Installation).

Refer to: [Air Filter Housing](#) (303-12C Intake Air Distribution and Filtering - INGENIUM I6 3.0L Petrol, Removal and Installation).

16. For additional installation information

Refer to: [Hood Latch Panel](#) (501-02 Front End Body Panels, Removal and Installation).

17. For additional installation information

Refer to: [Front Right Fender](#) (501-02 Front End Body Panels, Removal and Installation).