

Exhaust System - Vehicles With: Diesel Particulate Filter (DPF) (30.10.08)

Removal



WARNING: Observe due care when working near a hot exhaust system.

1



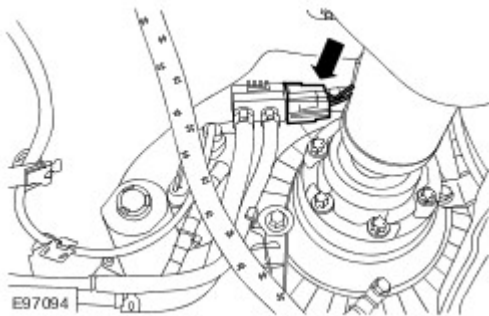
WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.

Raise and support the vehicle.

- 2 . Remove the transmission crossmember.

For additional information, refer to [Transmission Support Crossmember \(76.10.09 or 76.10.92\)](#)

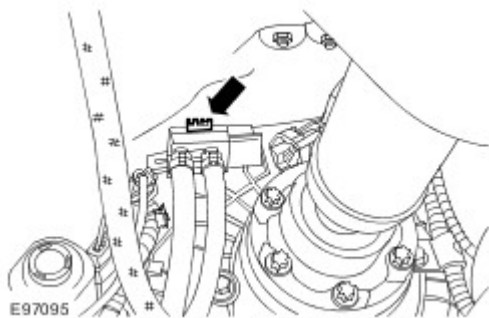
- 3 . Disconnect the diesel particulate filter (DPF), differential pressure sensor electrical connector.



- 4 . Release the DPF differential pressure sensor.



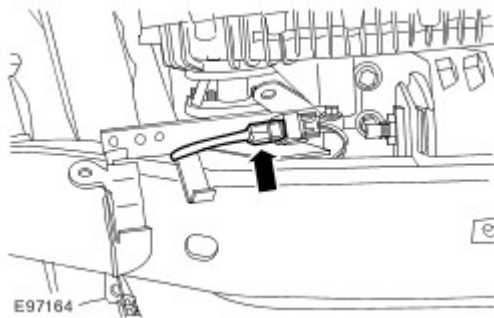
Release the clip.



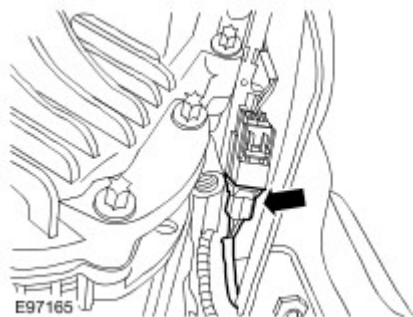
- 5 . **NOTE:**

LH shown, RH is similar.

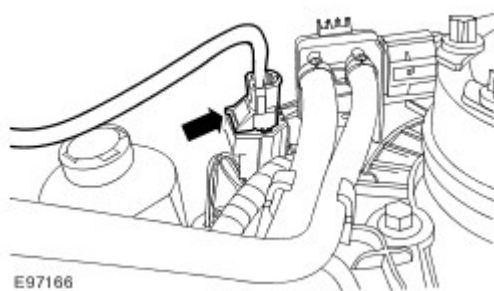
Disconnect the LH post-catalytic converter exhaust gas temperature sensor electrical connector.



6 . Disconnect the RH post-catalytic converter exhaust gas temperature sensor electrical connector.



7 . Disconnect the DPF exhaust gas temperature sensor electrical connector.



8 . **NOTE:**

RH catalytic converter shown removed for clarity.

Loosen the LH catalytic converter to DPF retaining clamp.

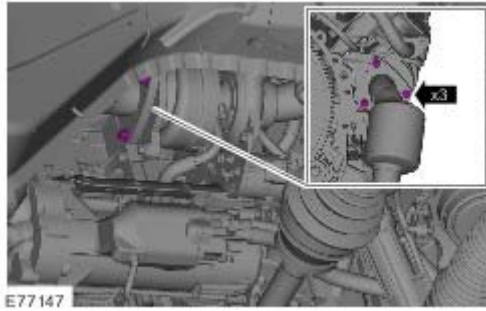


9 . **NOTE:**

RH shown, LH is similar.

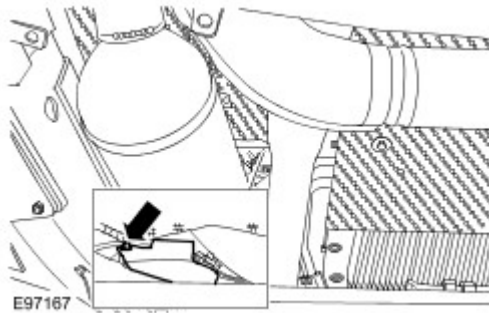
Release the LH and RH catalytic converters from the turbochargers.

- Remove the 6 bolts.
- Remove and discard the 2 gaskets.

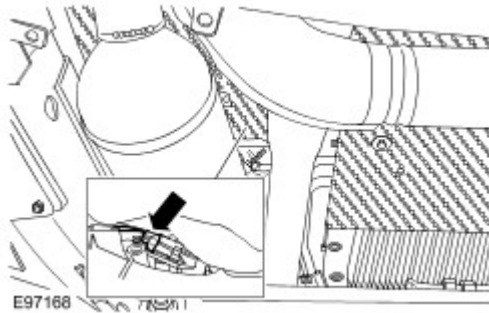


10 . Remove the LH side exhaust gas temperature sensor electrical connector heat shield.

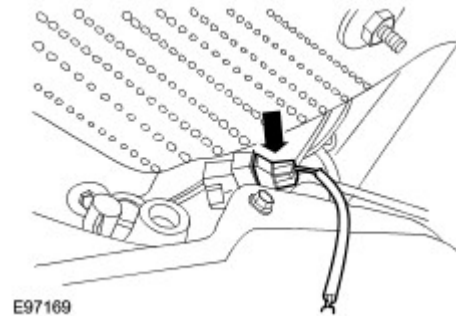
➤ Remove the bolt.



11 . Disconnect the LH pre-catalytic converter exhaust gas temperature sensor electrical connector.

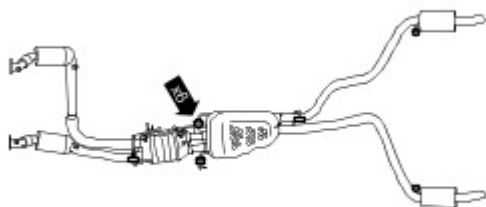


12 . Disconnect the RH pre-catalytic converter exhaust gas temperature sensor electrical connector.



13 . With assistance, remove the exhaust system.

➤ Release the 6 exhaust hangers.



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14 . **NOTE:**

Do not disassemble further if the component is removed for access only.

NOTE:

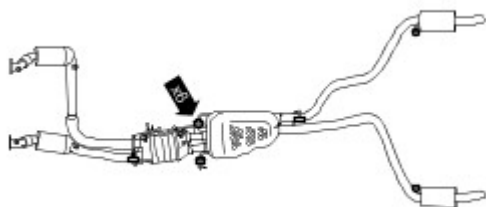
Make a note of the fitted positions of the sensors before removal.

Remove the 5 exhaust gas temperature sensors.



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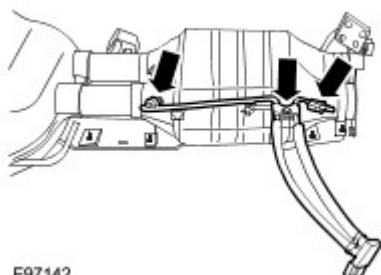
15 . Remove the 6 exhaust hangers.



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16 . Remove the DPF differential pressure sensor, high and low pressure pipes.

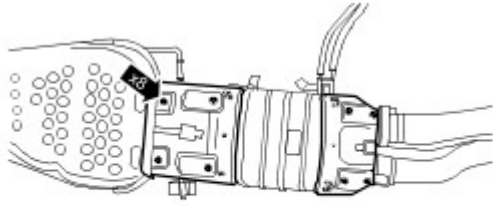
- Release the clamp.
- Release the high and low pressure pipes.



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17 . Remove the 2 DPF heat shields.

➤ Remove the bolts.



E97140

Installation

1 . Install the 2 DPF heat shields.

➤ Tighten to 10 Nm (7 lb.ft).

2 . Install the DPF differential pressure sensor, high and low pressure pipes.

➤ Tighten the pipes to 35 Nm (26 lb.ft).

➤ Tighten the clamp to 10 Nm (7 lb.ft).

3 . Install the exhaust hangers.

4 . Install the exhaust gas temperature sensors.

➤ Tighten to 35 Nm (26 lb.ft).

5 . With assistance, install the exhaust system.

➤ Secure the exhaust hangers.

6 . Connect the RH pre-catalytic converter exhaust gas temperature sensor electrical connector.

7 . Connect the LH side, pre-catalytic converter exhaust gas temperature sensor electrical connector.

8 . Install the LH side exhaust gas temperature sensor electrical connector heat shield.

➤ Tighten to 10 Nm (7 lb.ft).

9 .



CAUTION: Make sure that the mating faces are clean and free of corrosion and foreign material.

Secure the LH and RH catalytic converters to the turbochargers.

➤ Install new gaskets.

➤ Tighten the bolts to 21 Nm (15 lb.ft).

10 . **NOTE:**

RH catalytic converter shown removed for clarity.

Secure the LH catalytic converter to DPF retaining clamp.

➤ Tighten to 48 Nm (35 lb.ft).

11 . Connect the DPF exhaust gas temperature sensor electrical connector.

- 12 . Connect the RH side post-catalytic converter exhaust gas temperature sensor electrical connector.
- 13 . Connect the LH side post-catalytic converter exhaust gas temperature sensor electrical connector.
- 14 . Secure the DPF differential pressure sensor.
- 15 . Connect the DPF differential pressure sensor electrical connector.
- 16 . Install the transmission crossmember.
For additional information, refer to [Transmission Support Crossmember \(76.10.09 or 76.10.92\)](#)