



## Exhaust System (30.10.08)


### Special Service Tools




Wrench, HO2S  
310-121 (LRT-19-014)

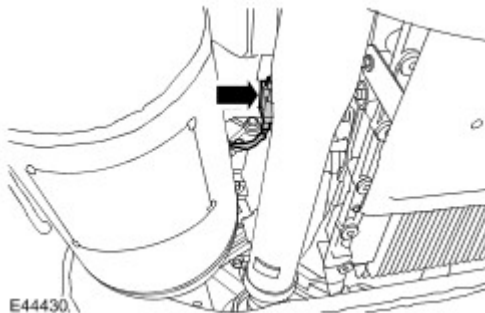
### Removal


1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)

2.  **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.

3. Remove the engine undershield. For additional information, refer to [Engine Undershield \(76.10.50\)](#) (Section 501-02)
4. Remove the transmission crossmember. For additional information, refer to [Transmission Support Crossmember \(76.10.09 or 76.10.92\)](#) (Section 502-02)
5. Release the LH front HO2S wiring harness.  
 Disconnect the electrical connector.

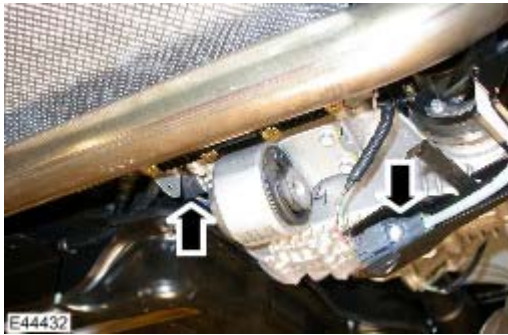


6. Release the RH front HO2S wiring harness.  
 Disconnect the electrical connector.

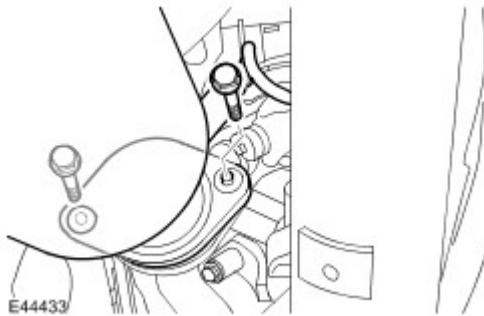


7. Release the LH rear HO2S wiring harness.  
▶ Disconnect the electrical connector.

8. Release the RH rear HO2S wiring harness.  
▶ Disconnect the electrical connector.



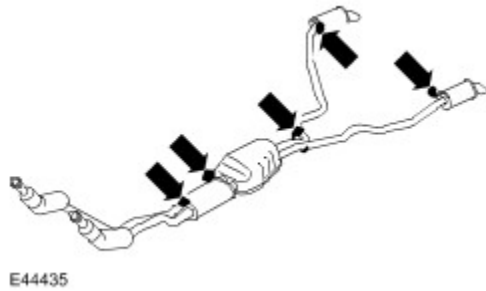
9. Disconnect the LH catalytic converter from the exhaust manifold.  
▶ Remove and discard the 2 bolts.



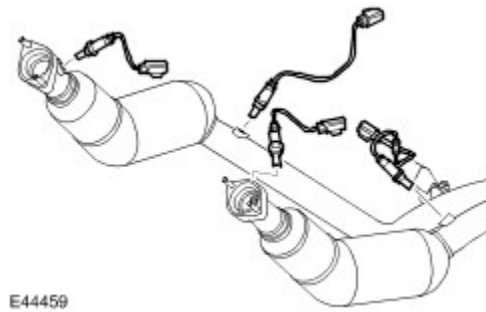
10. Disconnect the RH catalytic converter from the exhaust manifold.  
▶ Remove and discard the 2 bolts.



11. With assistance, remove the exhaust system.  
▶ Disconnect the 5 exhaust hangers.



12. **NOTE :**  
Do not disassemble further if the component is removed for access only.  
Using the special tool, remove the 4 HO2S from the catalytic converters.



## Installation

1.  **CAUTION: Make sure the anti-seize compound does not contact the HO2S tip.**

Using the special tool, install the HO2S to the catalytic converters and tighten to 45 Nm (33 lb.ft).

- ▶ Clean the components.
- ▶ Apply an anti-seize compound to the thread of the HO2S.

2. With assistance, install the exhaust system.  
▶ Attach the exhaust hangers.

3. Position the RH catalytic converter to the exhaust manifold.

- ▶ Clean the components.
- ▶ Tighten the new bolts to 22 Nm (16 lb.ft).

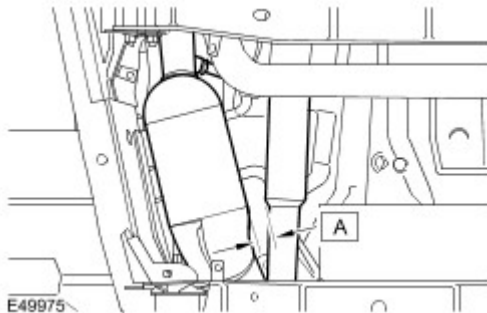
4.



**CAUTION: Make sure there is a clearance (A) of 25 mm to 30 mm between the closest points of the LH catalytic converter and the front driveshaft.**

Position the LH catalytic converter to the exhaust manifold.

- ▶ Clean the components.
- ▶ Tighten the new bolts to 22 Nm (16 lb.ft).



5.



**CAUTION: Make sure the HO2S wiring harness is not twisted more than 180 degrees and is not in contact with either the exhaust or driveshaft.**

Connect the HO2S electrical connectors.

- ▶ Attach the HO2S wiring harnesses.

6. Install the transmission crossmember. For additional information, refer to [Transmission Support Crossmember \(76.10.09 or 76.10.92\)](#) (Section 502-02)

7. Install the engine undershield. For additional information, refer to [Engine Undershield \(76.10.50\)](#) (Section 501-02)

8. Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)