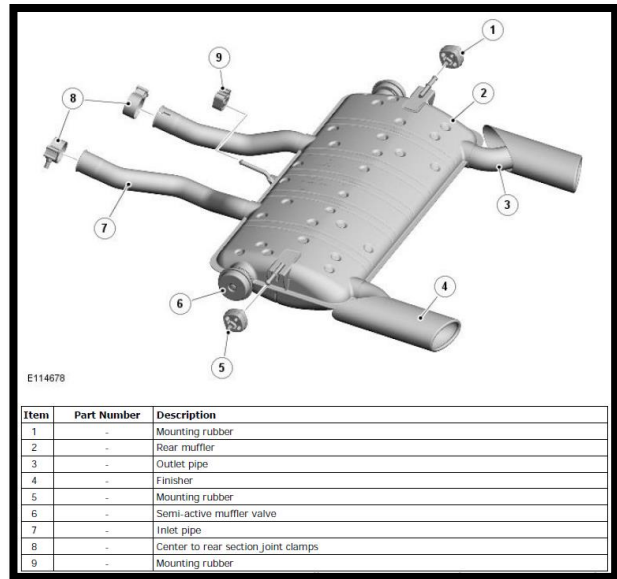
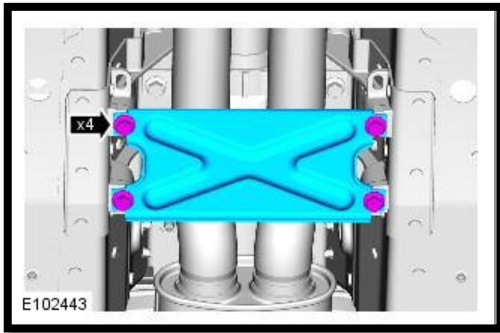


1. Remove Exhaust

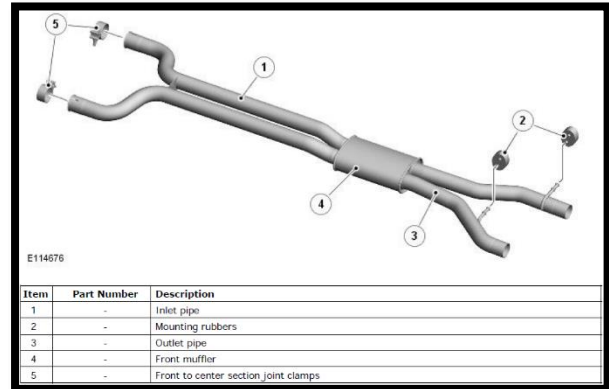
a. Remove rear section (see E114678)

- i. Loosen clamps "8".
- ii. Remove rubber "9".
- iii. Remove rubber "1" and "5".
- iv. Gently rock the rear exhaust section and remove them from the vehicle.



b. Remove center section

- i. Remove cross bracket. (see E1102443)
- ii. Remove clamps "5" and rubbers "2". (see E114676)
- iii. Gently rock the center exhaust section and remove them from the vehicle.

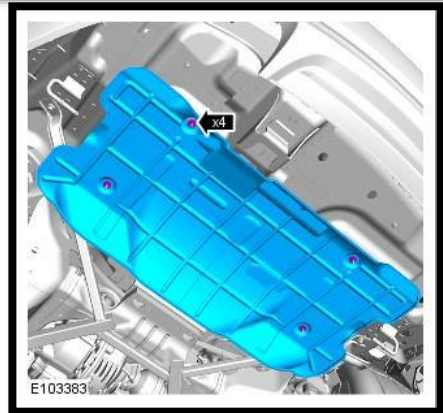
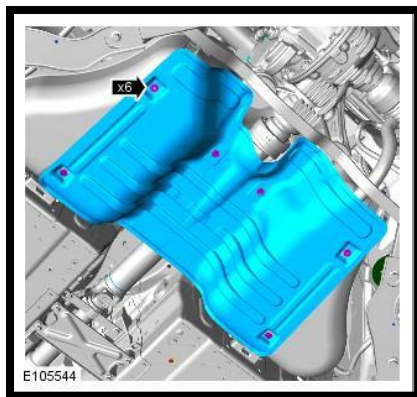


2. Remove heat shields

a. Remove rear heat shield (see E103383)

- i. Remove four nut washers.
- ii. Pull rear exhaust shield from vehicle.

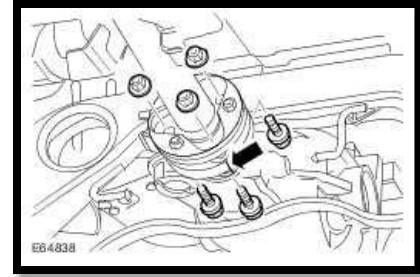
b. Remove center heat shield (see E105544)



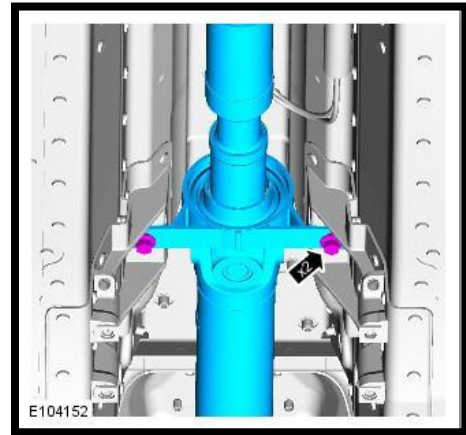
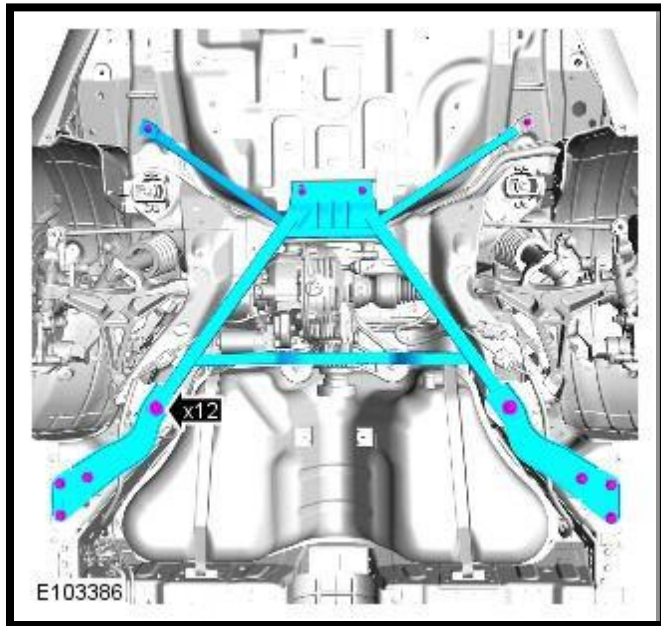
- i. Remove four bolt washers.
- ii. Pull center exhaust shield from vehicle.

3. Remove rear drive shaft

- a. Remove three bolts between differential and drive shaft. (see E61838) The manual has **warnings** as to which bolts should **not be remove**.
- b. Remove two bolts between drive shaft and frame. (see E104152)
- c. Pull drive shaft from vehicle.



4. Remove rear cross member (see E103383)

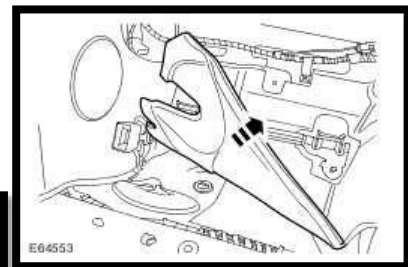
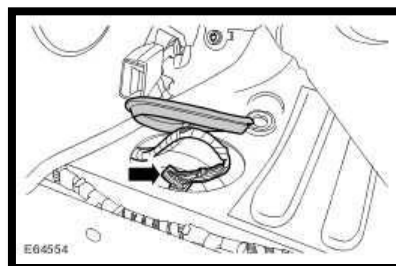


- a. This was done with the wheels on and supporting the vehicle. (I used ramps)
- b. Lightly support cross member. (It is not heavy or under any compression)
- c. Remove twelve bolts between cross member and frame/suspension.
- d. Remove cross member from vehicle.

5. Disconnect Battery (dealing with combustible fluids and electrical sparks does not go well)

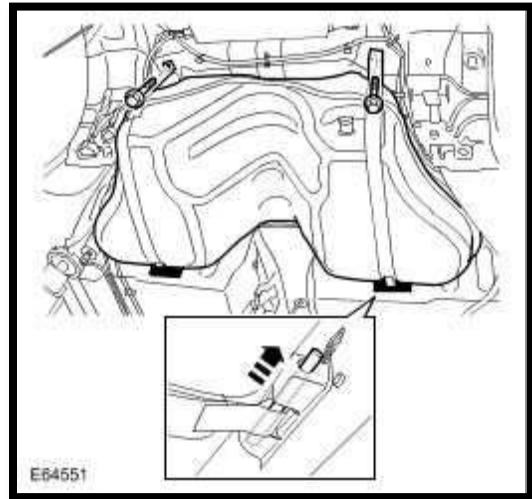
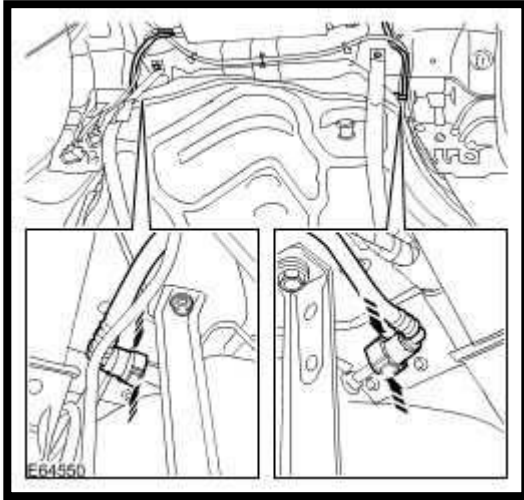
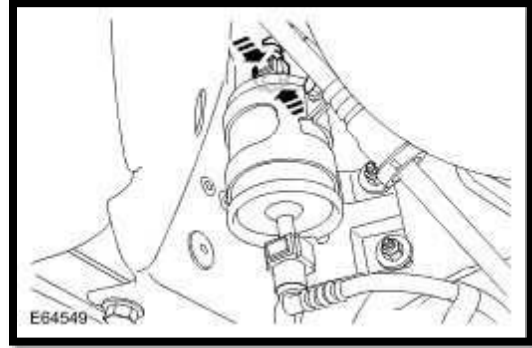
6. Remove gas tank electrical connection

- a. Remove the rear, passenger side, seat (left side rear) by lifting up on the seat.
- b. Lift up the padding to reveal the cover to the fuel pump. (see E64553)
- c. Lift the cover up and disconnect the connector. (see E64554)



7. Remove gas tank

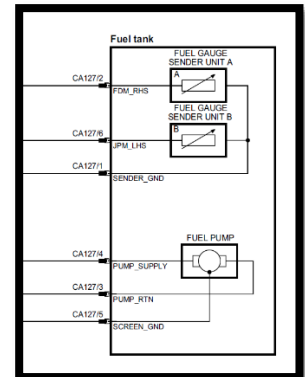
- a. Release the quick disconnect to the fuel filter. (see E64549)
- b. Release the fuel filler neck (not shown) and the evaporative emissions breather hoses. (see E64550)



- c. Remove gas tank straps
 - i. Support the gas tank.
 - ii. Remove the two bolts holding the straps in. (see E64551) (finally you have access to them, sort of)
 - iii. Push the pins out from the straps.
 - iv. Remove the straps

8. Just a note...

- a. *The Jaguar Service Manual and the Electrical Manual do not agree on CA127 wiring. After going through all of this, I found that the electrical manual is correct. Well, at least that is how my fuel tank is wired.*
- b. *See the following pages for proposed corrections.*



G830073t11 : CHECK THE SIGNAL RETURN CIRCUIT BETWEEN THE RJB AND FUEL LEVEL SENDERS FOR SHORT CIRCUIT TO POWER

1. Measure the resistance between:

Fuel pump module connector CA127, harness side	Battery
Pin 5	Positive terminal

- Is the resistance less than 10,000 ohms?

-> Yes

REPAIR the short circuit. For additional information, refer to the wiring diagrams. CLEAR the DTC, test the system for normal operation.

-> No

GO to Pinpoint Test G830073t12.

G830073t12 : CHECK THE FUEL LEVEL SENDER 'B' RESISTANCE AT EMPTY

1. Drain the fuel tank.

Fuel Tank Draining 2. Measure the resistance between:

Fuel pump module connector CA127, component side	Fuel pump module connector CA127, component side
Pin 05 s/b Pin 01	Pin 06

- Is the resistance 51 ± 2 ohms?

-> Yes

GO to Pinpoint Test G830073t13.

-> No

INSTALL a new fuel tank.

Fuel Tank (19.55.01) CLEAR the DTC, test the system for normal operation.

G830073t13 : CHECK THE FUEL LEVEL SENDER 'B' RESISTANCE AT FULL

1. Remove the fuel tank. 2. Invert fuel tank to set sensor float to it's highest position. 3. Measure the resistance between:

Fuel pump module connector CA127, component	Fuel pump module connector CA127, component
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side	side
Pin 05 s/b Pin 01	Pin 06

- Is the resistance 1000 ± 8 ohms?

-> Yes

GO to Pinpoint Test G830073t14.

-> No

INSTALL a new fuel tank.

Fuel Tank (19.55.01) CLEAR the DTC, test the system for normal operation.

G830073t14 : CHECK THE FUEL LEVEL SENDER 'A' RESISTANCE AT EMPTY

1. Correct fuel tank orientation. 2. Remove the fuel pump module.

Fuel Pump Module (19.45.08) 3. Move the sender float to it's lowest position. 4. Measure the resistance between:

Fuel pump module connector CA127, component side	Fuel pump module connector CA127, component side
Pin 01	Pin 02

- Is the resistance 51 ± 2 ohms?

-> Yes

GO to Pinpoint Test G830073t15.

-> No

INSTALL a new fuel level sender.

Fuel Level Sender CLEAR the DTC, test the system for normal operation.

G830073t15 : CHECK THE FUEL LEVEL SENDER 'A' RESISTANCE AT FULL

1. Move the sender float to it's highest position. 2. Measure the resistance between:

Fuel pump module connector CA127, component side	Fuel pump module connector CA127, component side
Pin 01	Pin 02

DTC, test the system for normal operation.

-> No

GO to Pinpoint Test G830073t45.

G830073t45 : CHECK THE SIGNAL RETURN CIRCUIT BETWEEN THE RJB AND FUEL LEVEL SENDER 'A' FOR HIGH RESISTANCE

1. Measure the resistance between:

RJB connector CA070, harness side	Fuel pump module connector CA127, harness side
Pin 04	Pin 01

- Is the resistance greater than 5 ohms?

-> Yes

REPAIR the high resistance circuit. For additional information, refer to the wiring diagrams. CLEAR the DTC, test the system for normal operation.

-> No

GO to Pinpoint Test G830073t18.

G830073t18 : CHECK THE SIGNAL RETURN CIRCUIT BETWEEN THE RJB AND FUEL LEVEL SENDER 'B' FOR HIGH RESISTANCE -Return.is.the.same.as.A

1. Measure the resistance between:

RJB connector CA070, harness side	Fuel pump module connector CA127, harness side
Pin 04	Pin 05 s/b Pin 01

- Is the resistance greater than 5 ohms?

-> Yes

REPAIR the high resistance circuit. For additional information, refer to the wiring diagrams. CLEAR the DTC, test the system for normal operation.

-> No

CHECK for DTCs indicating another cause of the complaint.

Electronic Engine Controls