

PUBLISHED: 03-MAY-2017  
2015.0 RANGE ROVER (LG), 303-01

ENGINE - TDV8 4.4L DIESEL

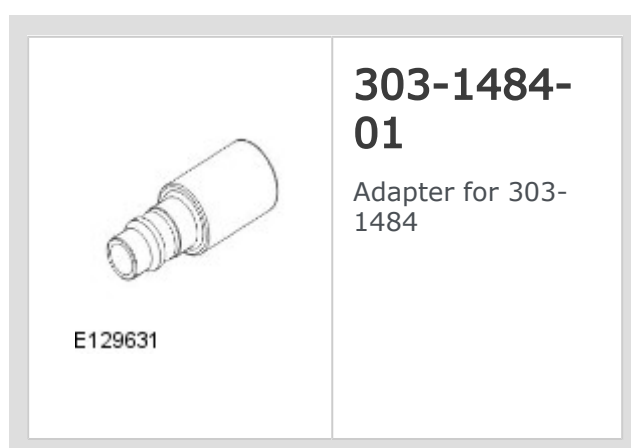
# **ENGINE OIL VACUUM DRAINING AND FILLING** (G1509161)



## GENERAL PROCEDURES

12.60.99	LUBRICATION SYSTEM DRAINREFILL - TOP-DOWN SERVICE STRATEGY	4400 CC, TDV8	0.4	USED WITHINS	
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## SPECIAL TOOL(S)



## PART(S)



STEP	REPLACE PART / RENEW PART	PART NAME	
Draining Step 6	Renew Part	Oil filter	1
Draining Step 6	Renew Part	Oil filter O-ring seal	1

## DRAINING



### WARNING:

The spilling of hot engine oil is unavoidable during this procedure, care must be taken to prevent scalding.



### CAUTIONS:

- Make sure the engine is warm.
- Make sure that the vehicle is parked on level ground.

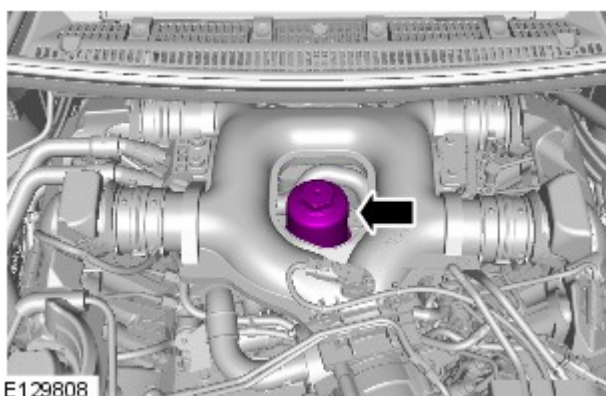
1.

- Start the engine and allow to run for 10 minutes, stop the engine.

2.

Refer to: [Engine Cover - 4.4L V8 - TdV8](#) (501-05 Interior Trim and Ornamentation, Removal and Installation).

3.



- Loosen the oil filter cover 3 turns and allow the engine oil to drain.

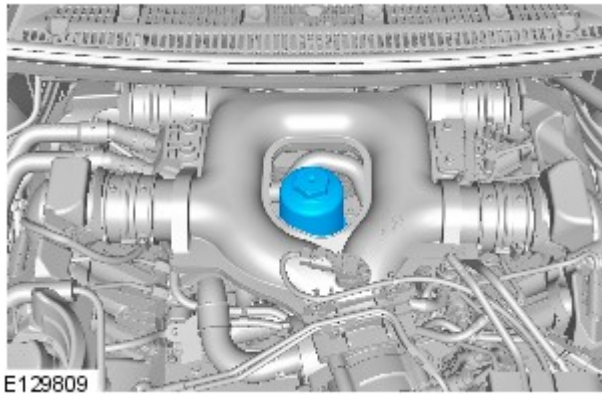
4.



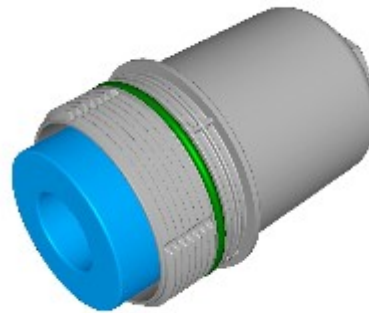
### NOTE:



Position cloth to collect fluid spillage.

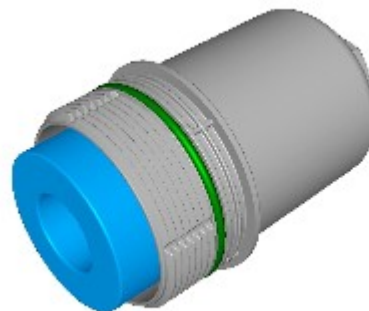


5.



- Remove and discard the oil filter element.
- Remove and discard the oil filter cover O-ring seal.

6.



- Clean the components.
- Install a new oil filter element to the oil filter cover.



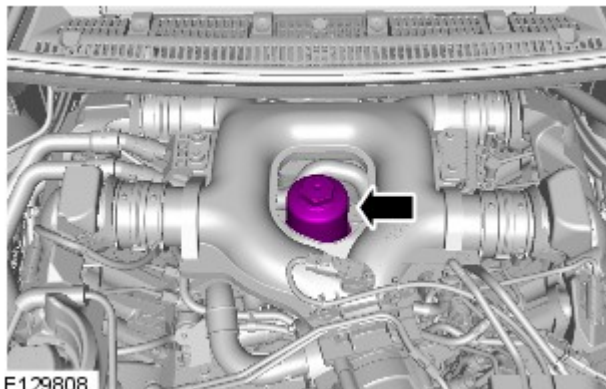
Renew Part: *Oil filter* : 1 .

- Install a new oil filter cover O-ring seal.

Renew Part: *Oil filter O-ring seal* : 1 .

- Lubricate the O-ring seal with clean engine oil.

7.

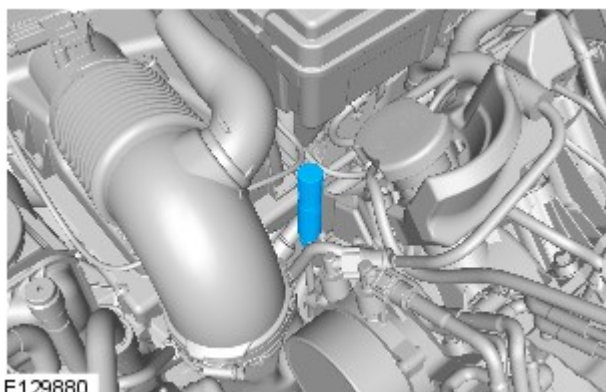


Torque: 27 Nm

8.

⚠ CAUTIONS:

- Make sure that the area around the component is clean and free of foreign material.
- Position absorbent cloth around the filler neck to prevent any oil from coming into contact with the Generator.

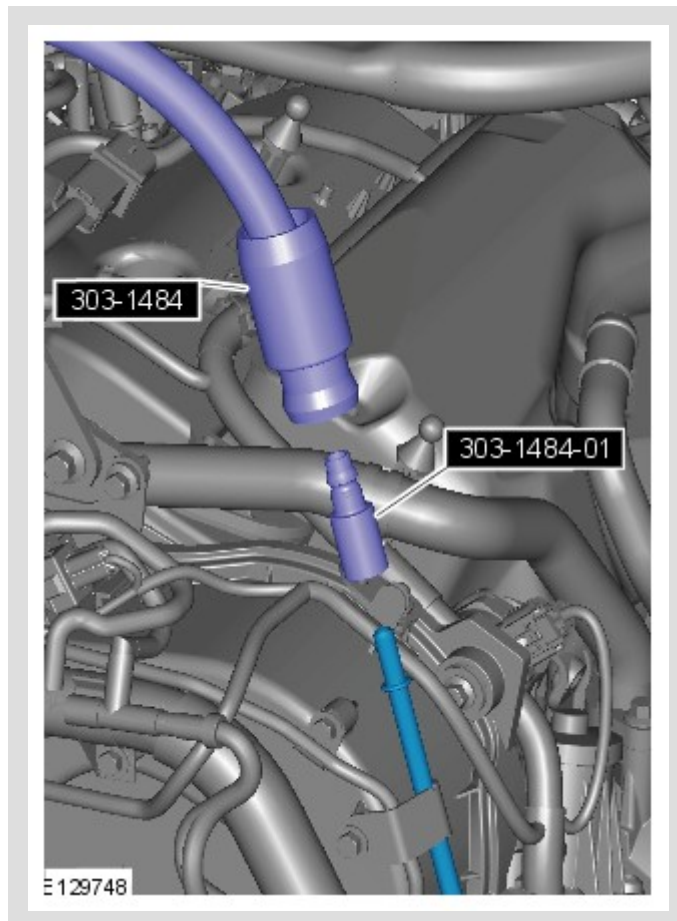


9.

⚠ NOTE:



Some variation in the illustrations may occur, but the essential information is always correct.



Using the oil vacuum pump drain the oil out through the oil extraction tube.

*Special Tool(s):* [303-1484](#) , [303-1484-01](#)

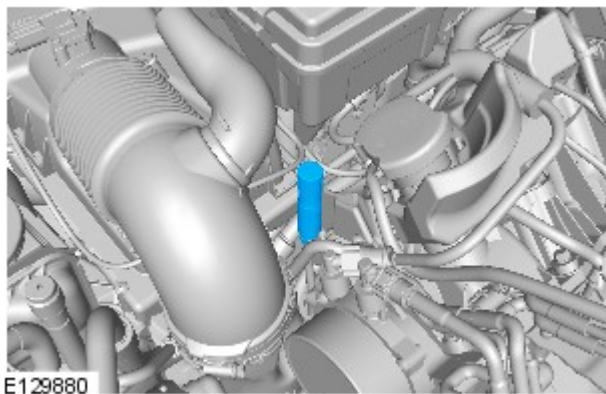
10.

- Remove the oil vacuum pump.

## FILLING

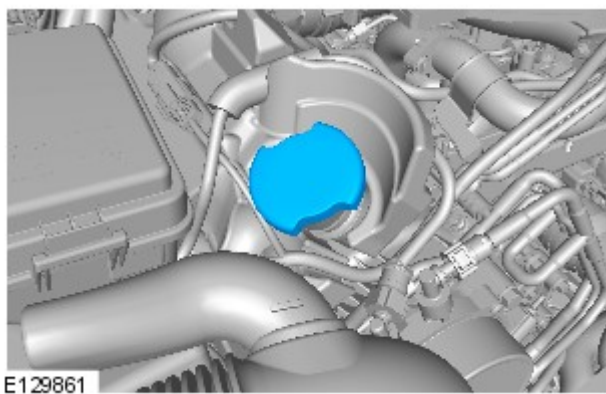
1.





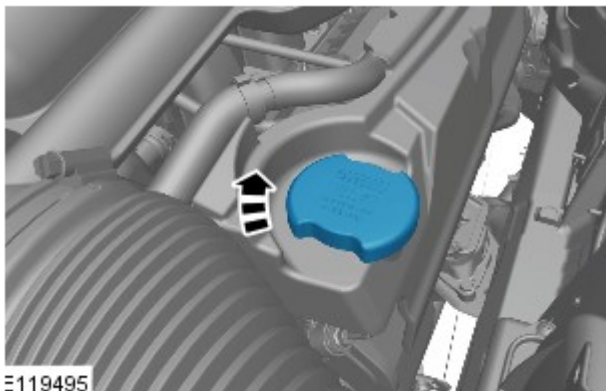
- Clean the component mating faces.

2.



- Fill the engine with the recommended oil to the correct level.

3.



4.



**CAUTION:**



Make sure that the vehicle has been left for 5 minutes from filling with oil.

- Start the engine and allow to run for 10 minutes, stop the engine.
- Check for leaks.

5.



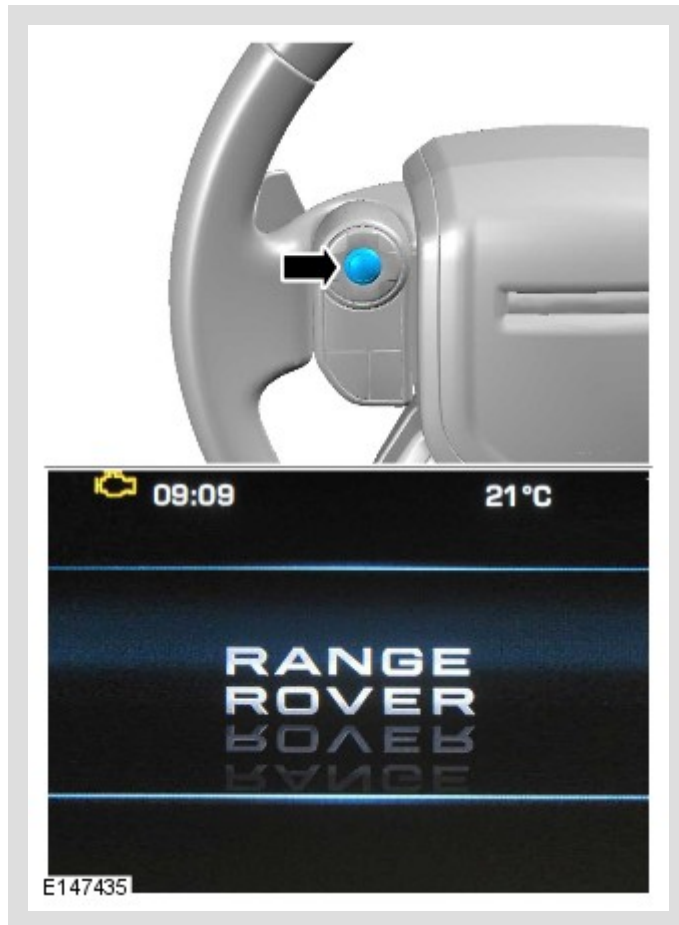
#### CAUTIONS:

- Make sure that the selector lever and the gearshift mechanism are in the park (P) position.
- Make sure that the hood is open.

- Set the ignition to the ON position.

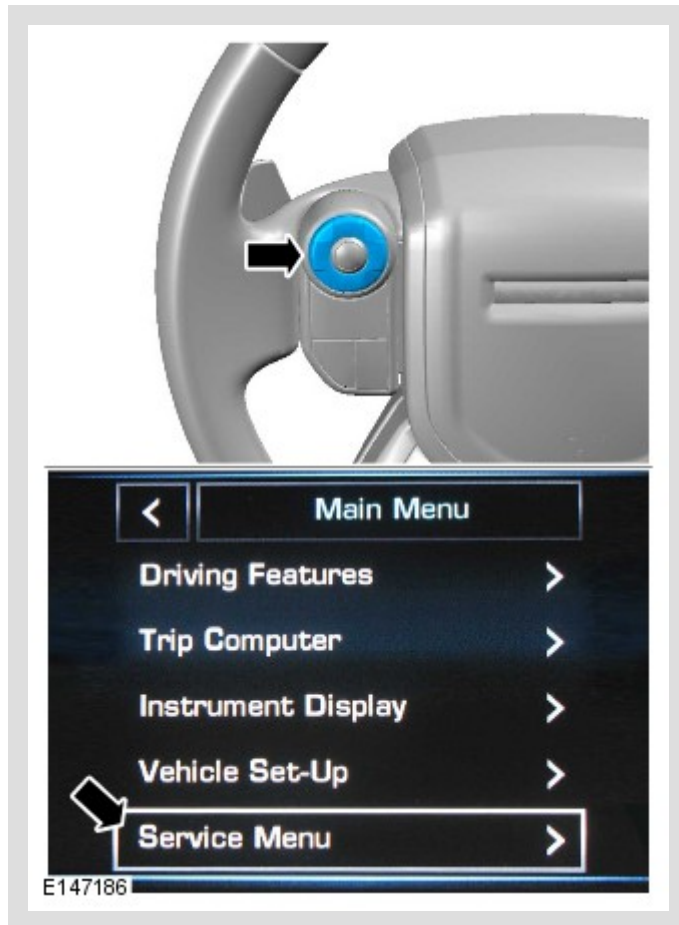
6.





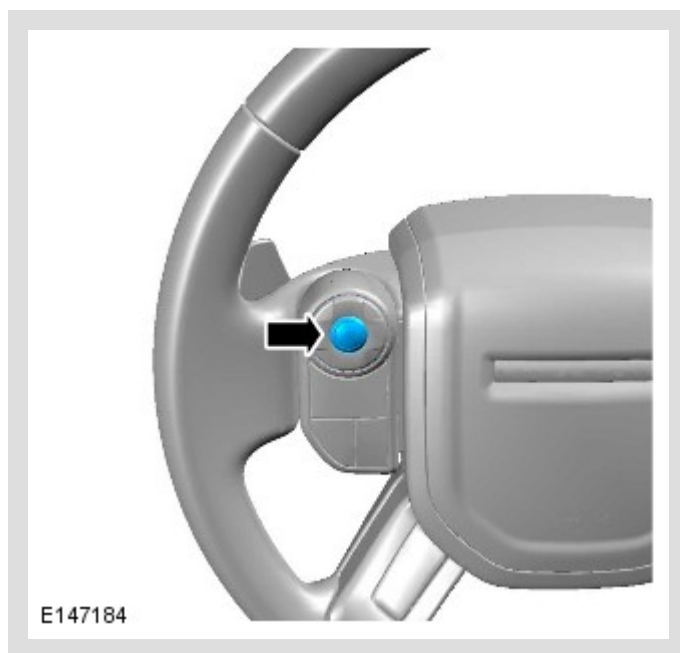
- Press the left-hand OK button to access the Instrument Cluster (IC) Main Menu.





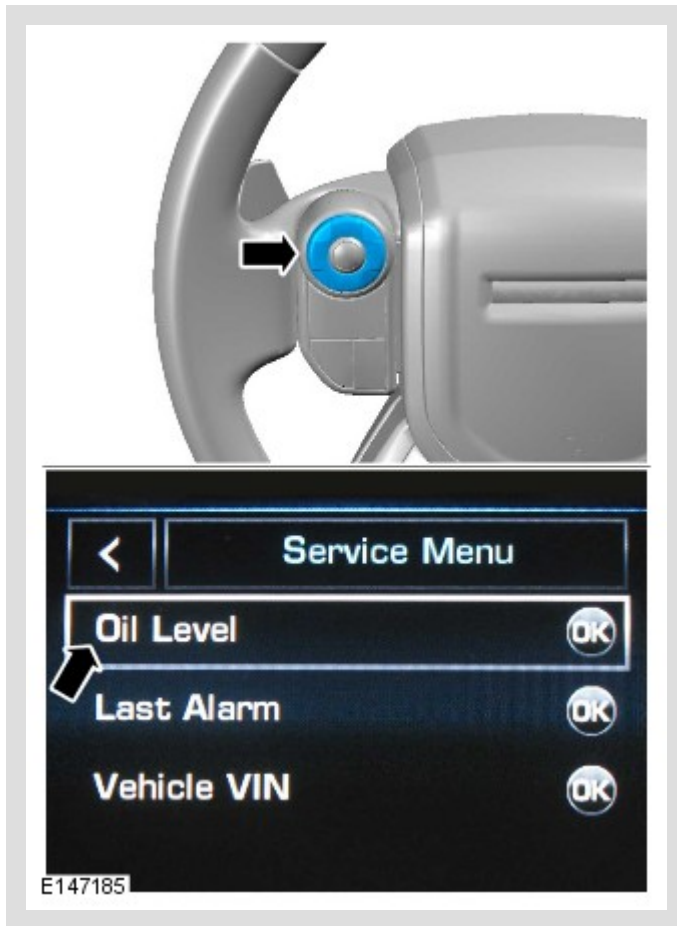
- Press the left-hand directional button and select Service Menu.





- Press the left-hand OK button.





- Press the left-hand directional button and select the Oil Level display.





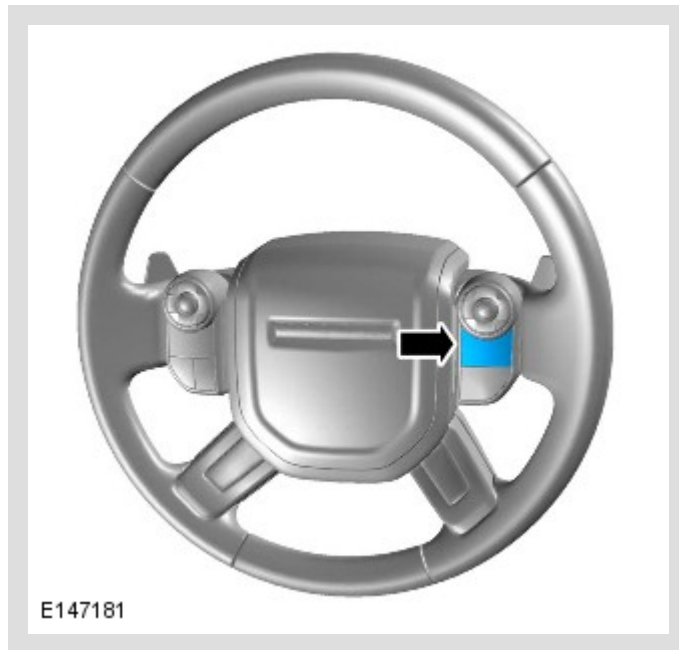
- Press the left-hand OK button to access the Oil Level display.

11.

⚠ CAUTION:

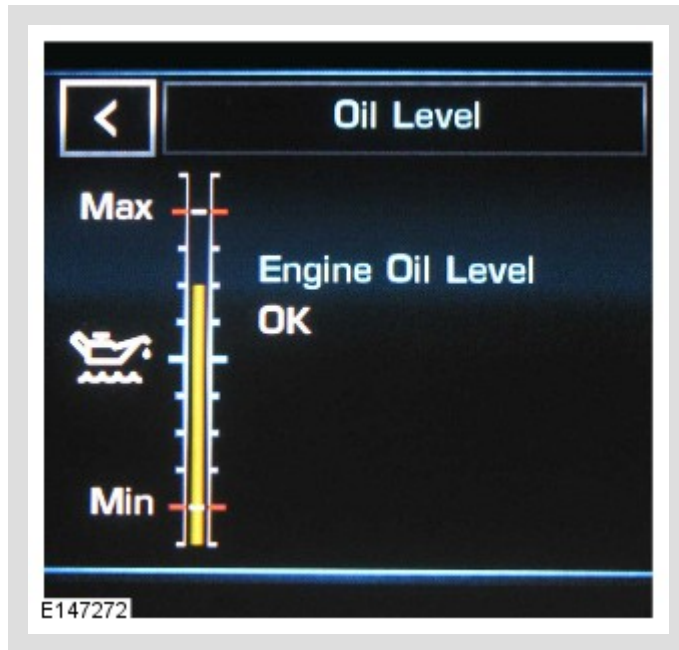
Make sure that the hood is open.





- Press the speed control cancel button twice within 2 seconds while being on the oil level display.





- The message center displays the actual oil level in service mode.
- Only after having started and run the engine for 10 minutes (as indicated in Step 4), switch off the engine, then stabilizing for 10 minutes, take a reading from the oil level display and, if necessary top up with engine oil.

13. Set the ignition to the OFF position.

14. Allow 10 minutes for the engine oil level to stabilize if there has been additional oil top up.



**NOTE:**

The following steps are to update the average oil level value.



15. Repeat step 5 to 11 to access the oil level display in service mode.

16.



**NOTE:**

The actual volume displayed on the bar graph will be written into the electronic control unit as a new value.



- Press and hold the speed control cancel button for more than 5 seconds.
- The message center display the current oil level.



**NOTE:**

Close the hood.

17.

Set the ignition to the OFF position.



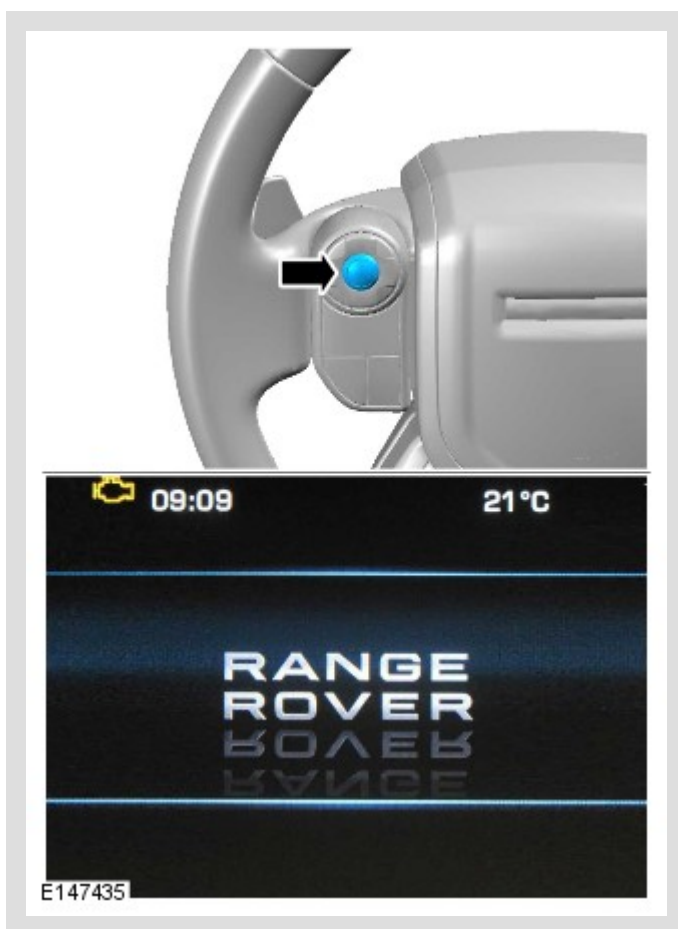
18. Set the ignition to the ON position.

19.



**NOTE:**

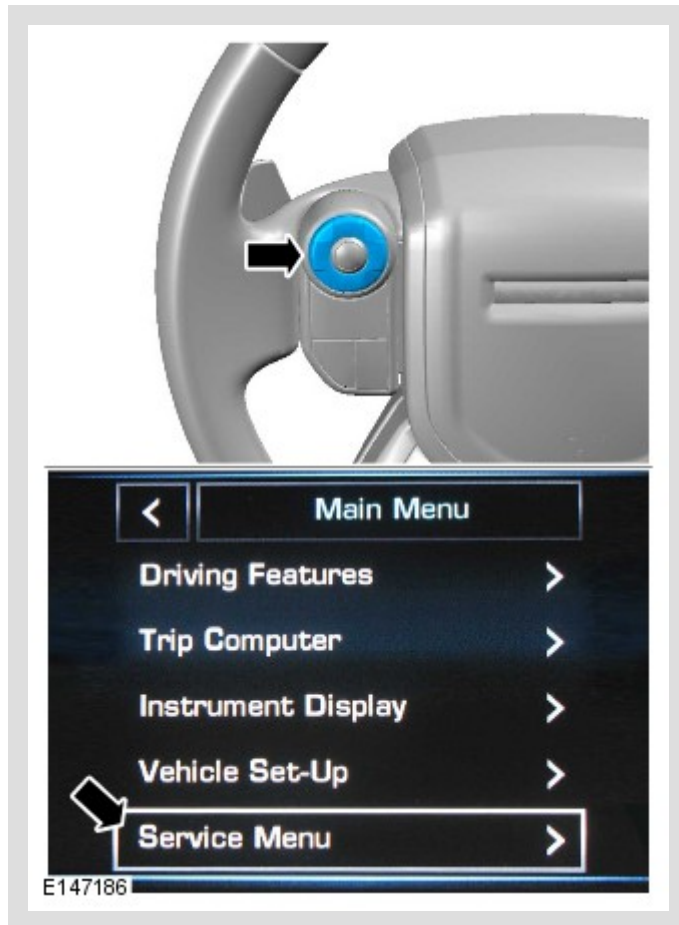
The following steps are to check the current oil level in a customer mode.



- Press the left-hand OK button to access the Instrument Cluster (IC) Main Menu.

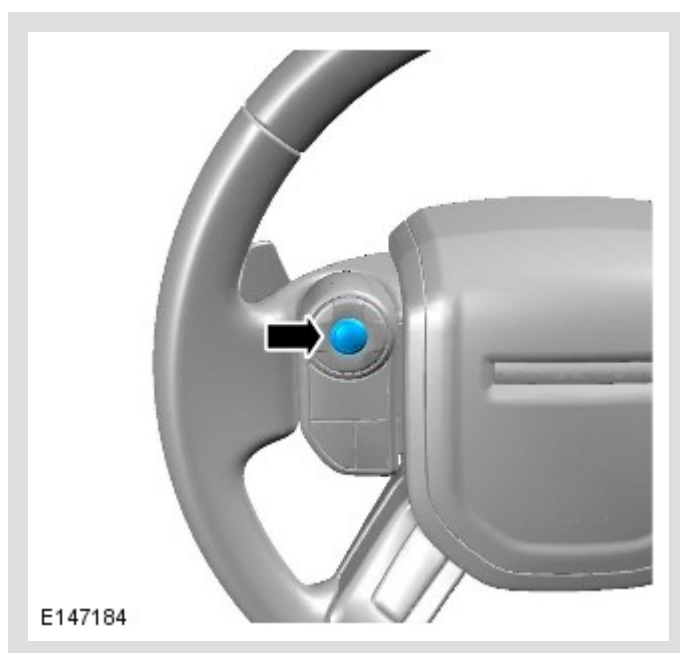
20.





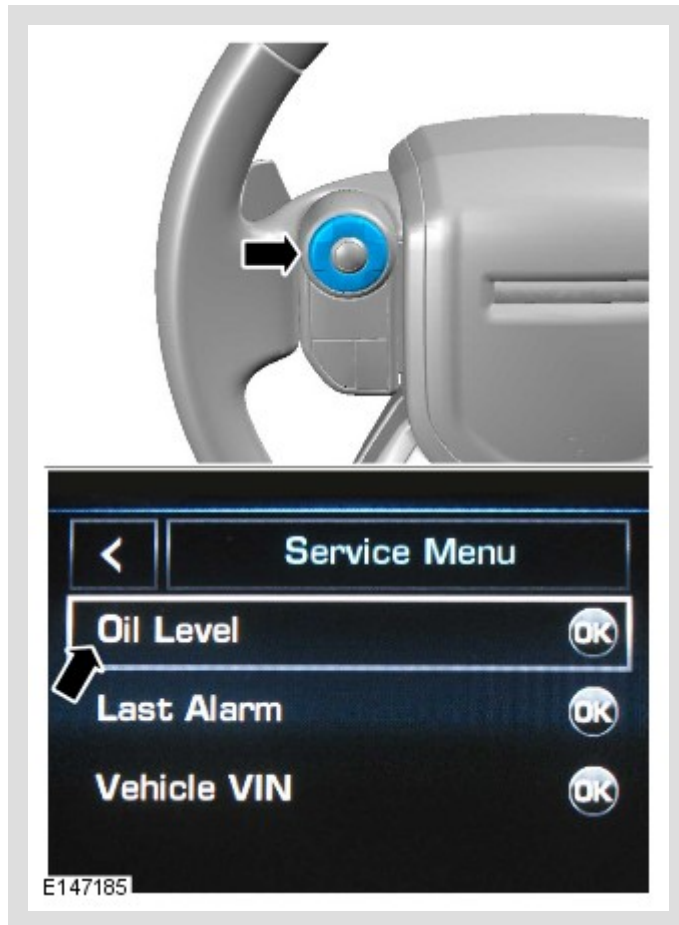
- Press the left-hand directional button and select Service Menu.





- Press the left-hand OK button.





- Press the left-hand directional button and select the Oil Level display.





- Press the left-hand OK button and follow the instructions.

△ ■ NOTE:

If the message shows "Not available" wait for further 10 minutes to allow the oil level to stabilize.

Make sure that the average oil level value has now been updated.



