

LandCruiser 200 fuel filter change – Glovebox guide

Parts and Tools required:

- Fuel filter: Toyota part # 23390-51070 eBay link: <http://bit.ly/toyota-lc200-fuel>
OR Ryco part # R2657P eBay link: <http://bit.ly/ryco-lc200-fuel>
- 12mm socket, 5mm allen key, pliers

Ensure there are no open flames or other ignition sources nearby
NEVER smoke while changing the fuel filter
NEVER change the fuel filter if the engine is still hot

Step 1: Preparation

- Place a rag under the fuel filter housing
- Loosen the two fuel line hose clamps and slide the clamps down the hoses.
- Slide the fuel lines off the filter housing, and tuck them up so fuel doesn't drip out of the lines.
- Unplug the electrical connectors from the pressure sensor (top) and the water sensor (bottom).

Step 2: Remove the old filter

- Using a 12mm socket, remove the two nuts securing the filter assembly to the bracket
- Using a 5mm allen key, remove the three socket screws holding the top onto the housing.
- Remove the top and set aside
- Lift out the old filter and dispose of it, plus the large 'O' ring.

Step 3: Check and Clean the housing

- Check the contents of the housing/bowl. It should contain fuel, probably contaminated with dirt and other gunk. There should be little or no water present. If it contains a large amount of water, suspect contaminated fuel and consider draining and flushing the fuel tank(s).
Water entering the common rail fuel system could cause catastrophic damage.
- Dispose of the contaminated fuel properly (eg: with your used engine oil).
- Thoroughly clean out the bowl with a cloth or rag.
- Replace the housing onto the bracket

Step 4: Install the new filter

- First install the new 'O' ring into the filter housing, with the flat side facing down.
- Place the new filter into the housing and push it down until it clicks into place.
- Refit the top of the housing and secure it using the 3x socket screws, tightening them with the 5mm allen key.
- Replace the nuts securing the housing to the bracket, and tighten with the 12mm socket.
- Refit the fuel lines and replace/retighten the hose clamps, ensuring you connect them to the correct fittings. The lines are colour-coded to match marks on the top of the filter housing.

Step 5: Reset the fuel filter warning light

- Turn on the ignition, by pressing the start button twice **without** your foot on the brake pedal.
- With the ignition still on, move back to the filter and re-attach the two electrical connectors.
- The dash light is now reset.

Step 6: Prime the fuel system

- Repeatedly pump the priming plunger located on the top of the filter housing until it becomes difficult to press.
- Start the engine
- If the engine stalls, repeat the procedure.
- You may need to repeat this a few times.

