













Range Rover L322 05-10 fitting kit instructions

FK-983/3 Kit

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**It is recommended that an experienced car audio engineer installs this kit.
This installation manual is to be used as a guide.**

Initial Setup

Relocate the original radio touchscreen into the glove box.

This needs to be done so that vehicle settings can be updated and the venture camera can be activated.

- Remove the original CD changer from the glove box.
- Disconnect the original touchscreen
- Use a female fibre optic cap **[B]** to cap off the fibre optic cable that connects to the original screen
- Reroute the grey and blue connectors from the back of the original screen to the glove box
- The fibre optic connection from the CD changer needs to be connected to the original screen, remove the fibre optic insert from the connector in the glove box and insert it into the fibre optic connector housing **[A]** to allow fitting to the original screen.
- Connect the original screen and locate in the glove box. Only the grey, blue and fibre optic connections are required. See image below.



With the original screen connected in the glove box, this allows vehicles settings to be adjusted from the screen and the venture camera to be activated.

The brown and beige Fakra connectors are used when fitting the new head unit, this is covered in the next section.

Head unit fitting

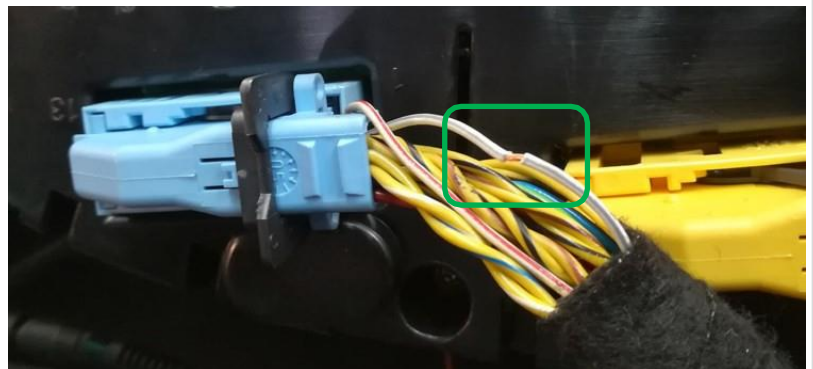
Disconnect the radio control module, pictured right

Connect the Fakra to DIN antenna adapter **[F]** to the black Fakra connector in the car, this was originally connected to the black Fakra on the radio control module.

Using the Fakra to video adapters **[G]** and the RCA splice adapters **[H]**, connect the brown Fakra to the reverse camera input of the new radio, and the beige Fakra to the secondary camera input or video input of the new radio. The Brown Fakra is for the rear view camera, the beige Fakra is for the Venture Cam. If the radio being fitted only has one input an additional video source switcher may be required.

Disconnect the large black connector and connect inline the radio replacement interface harness **[D]**. This will allow the original radio control module to be tucked away at the back of the dashboard out the way. The radio control module needs to remain connected to the two black connectors and the fibre optic connector, the Fakra antenna connector does not need to stay connected to the module.

The radio replacement interface harness **[D]** has a loose white wire, this needs to be connected to the white/grey K-Bus wire behind the instrument cluster in the blue connector, see image.



Set up the universal patch lead **[E]** according to the supplied instructions to suit the brand of radio being fitted. Connect the patch lead to the interface on the radio replacement harness and the new radio.

Connect the 5m RCA cables **[I]** to the front audio output of the new radio and, along with the 5m yellow and red wires from the radio replacement harness, run to the rear left of the vehicle where the amplifier is located for connection to the fibre optic interface.

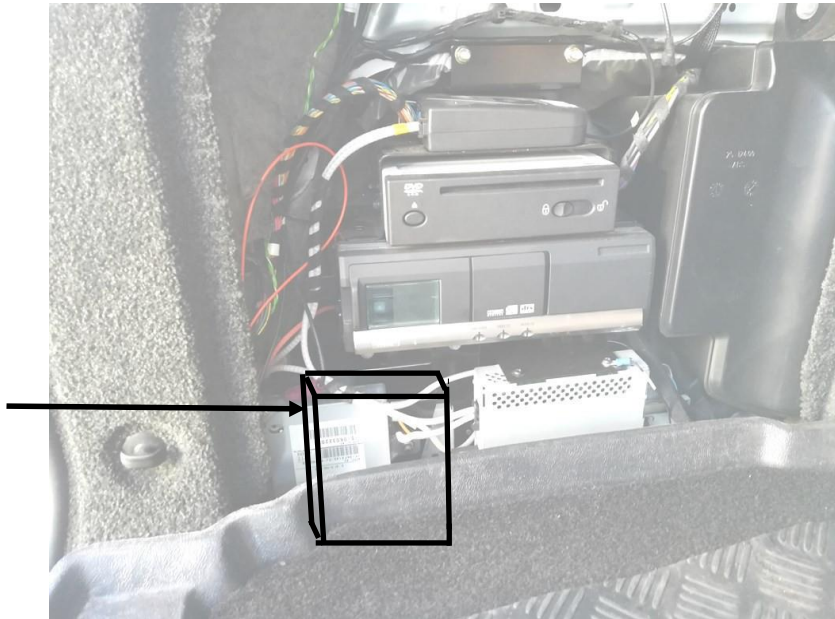
Follow the instructions supplied with the fascia adapter **[C]** to cut away the plastics behind the radio. Mount the radio into the brackets and test fit, it may be necessary to cut away more plastic or to heat and reshape the air vent units depending on the radio being fitted and the space available.



Fibre optic interface connection

The original amplifier is located in the boot behind the panel to the left.

Location of
fibre optic
connector



The amplifier is located to the bottom left at the back as pictured above. The fibre optic connector is at the top, this can be disconnected without needing to remove the amplifier. Disconnect the fibre optic cable and cap off using a fibre optic loop **[B]**.

Connect one end of the 1m male to male fibre optic cable **[K]** into the amplifier and the other end into the fibre optic audio interface **[L]**.

Connect the power and ground wires on the fibre optic interface. Connect black to a chassis ground, connect the red and yellow wires to the red and yellow wires ran from the front of the car from the radio replacement harness.

Connect the ground loop isolator **[J]** output to the fibre optic interface. Connect the RCA cables that are extended from the front to the input of the ground loop isolator. If needed, ground the brown wires on the ground loop isolator.