

Illumi Starter Button Installation

This guide outlines how to install the above product on a Mitsubishi FTO but the principle will be the same on most vehicles.

STEP 1

Find a suitable location for the starter button, avoiding any locations that could cause accidental throwing of the switch while the vehicle is in motion, the most popular location appears to be in place of the cigarette lighter so this is where we will place the button in this guide.

Remove the lower center console panel and remove the cigarette lighter by un-screwing the bolt on the rear, the hole left is not big enough to fit the button so both the metal plate cover and plastic panel will need the hole opening up to 22mm dia' by using a drill or other suitable tool.

Once suitably sized install the button housing as shown below.

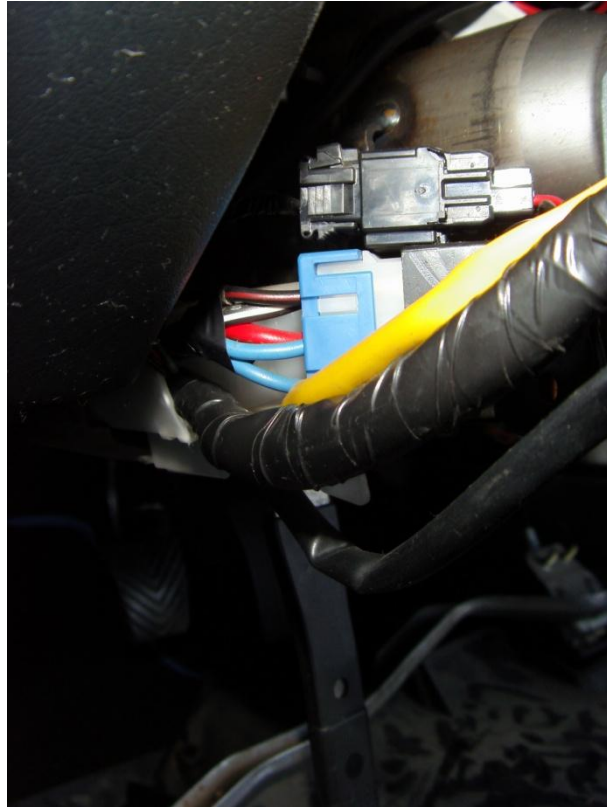


On the reverse side fix the inside part of the button to the outer part using the glue provided, ensure the button is correctly orientated before gluing as the japanese glue provided is extremely strong and sets very quickly.

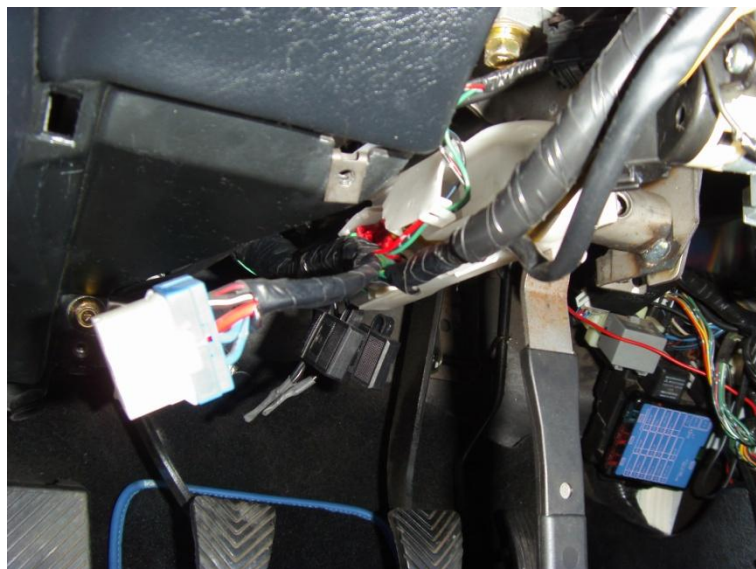


STEP 2

In the driver's side foot well remove the lower panel and steering column housing by removing the relevant screws to reveal the wiring behind, the connector with the blue socket as shown below is the main ignition wiring harness that is connected to the ignition barrel.



Ensuring the battery is disconnected, remove the socket and free the wiring from the plastic conduit by un-clipping the retaining clips to make it easier to work with.



Next carefully replace the center console and run the relay box down inside the center console and out the side at the rear as shown.

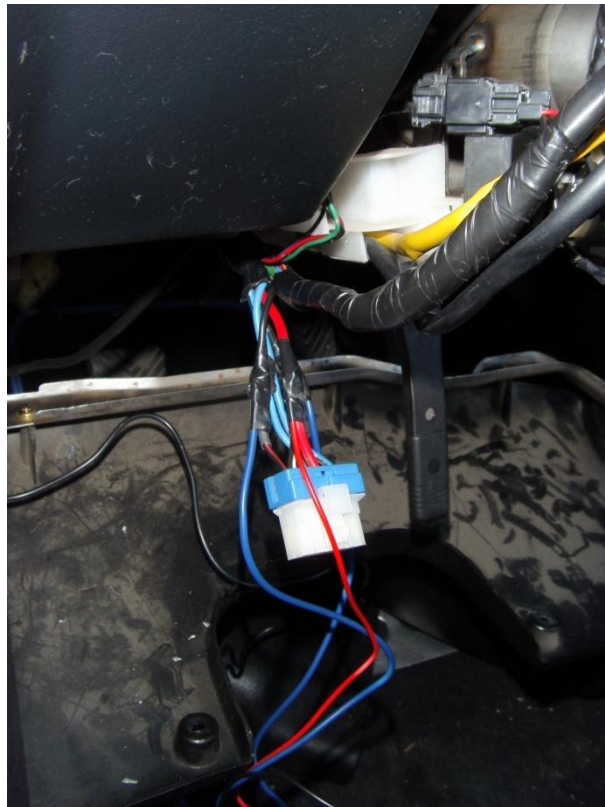


STEP 3 - WIRING STAGE

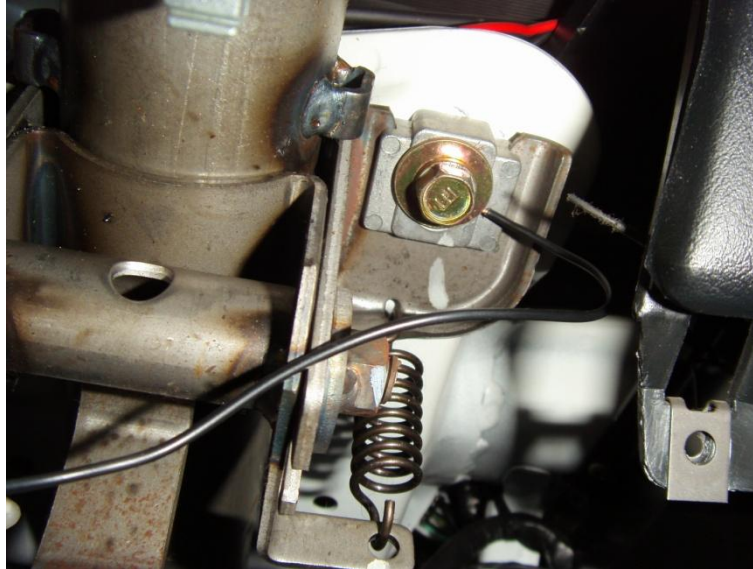
The 3 wires in the loom that we are interested in are the solid red wire, the black/white and black/red wires, the 2 blue wires in the loom are not required and should not be used. The wiring should be as shown below:

LOOM WIRE COLOUR	BUTTON WIRE COLOUR
RED	RED
BLACK/WHITE	BLUE (ANY)
BLACK/RED	BLUE (ANY)

You can wire any of the blue wires from the relay box to either of the stated wires on the loom, how you tap into the loom wires is up to you, as the insulation is quite thick the plastic wire taps don't really work so it's best to remove some insulation from the loom wires and wrap the relay wires around it, then tape it back up as shown below.



Next find a suitable earthing point on the vehicle chassis for the remaining black wire from the relay box, if you look underneath the steering column there is a single bolt with an E marked on it, loosen this bolt off with a 12mm spanner/socket, remove sufficient insulation from the black wire and slip the wire around the bolt and re-tighten, lastly re-fit the wiring harness back into the correct socket for the ignition barrel.



This completes the wiring stage of the installation, at this stage it is wise to check that the ignition and button are working correctly before re-assembling the interior panels, replace the disconnected battery terminals and insert the key, first try starting the car normally on the key, turn off the car, next turn the key to the on position (one before the starting position, ignition lights on) and try starting the car with the button, if all is wired correctly the car should start normally.

All that remains is to neaten up the wiring, fix the relay box to the reverse side of the lower panel and re-fit the interior panels back.

