

Solenoid Activated Central Diff Lock: Fitting Instructions

Contents of the kit:

- Solenoid
 - Spigot bracket (6mm plate)
 - Mounting bracket (6mm plate)
 - Wiring loom, with relay, inline fuse and thermal cut-out.
 - Cruise control switch
 - Pop rivets (blind rivets)
 - Zip ties
 - Nuts/bolts/washers
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Stage 1

Unclip gaiters from console and unscrew gear knobs. Remove rubber mat.

Remove 2 screws from within cubby box and 2 from the front of the hi/low lever.



Stage 2

Unbolt gear shift bar from lower lever.

Remove cover from switches, then unscrew switch plate and twist it inside the console.



Stage 3

Remove clip and pin holding handbrake cable to lever.

Lift console clear and remove foam padding from around gear levers.



Stage 4

View of the centre console removed

Drill out the 13 pop rivets from around the centre plate that incorporates the gear lever and transfer box lever.
Lift plate into cabin to gain access to the top of the transfer case



Stage 5

View of the top of the transfer case. The 3 bolts around the CDL spigot have already been removed. Remove the indent spring by unscrewing the cap with an Allen key and hooking it out. Replace the cap. The location can be found next to the arrow in the picture.



Stage 6

Assemble the solenoid parts as follows:

Attach single red wire to pos side and small black wire to negative side. Zip tie to body.

Bolt spigot bracket to end of solenoid arm

Bolt assembled solenoid to mounting plate



Stage 7

Bolt the assembly to top of transfer case; apply thread locking solution to the bolts.

Locate bracket onto spigot and lock in place with washer and nylon nut. Make sure the bracket is slotted in place as it is a tight fit.

Feed wiring through and under the vehicle



Stage 8

Bring wiring up the back of the engine bay and clip along the back of the bulkhead on the right hand side and done along past the fuse box.

The single black wire needs to be passed through the bulkhead and into the cabin. This is done by removing one of the nipples from the large grommet and feeding the wire through the hole made.



Stage 9

Connect the thermal cut-out the two red wires that are in one of the plastic sleeves.

Fix thermal cut-out and relay housing near the ECU and put relay in.

Connect black wire to earth header on side of the inner wing and remaining red wire to battery.

With the wiring that has the inline fuse attached, find a suitable feed (cigarette lighter from console) and splice it onto the feed (blind end)

Remove binnacle surround by removing 2 screws from the bottom (see arrows) and tugging firmly but gently as there are spring clips on the back. Lift to one side



Unscrew instrument cluster and lift to one side

Feed the black wire (that was fed in from the engine bay) and the red wire (switched live feed) up the back of the dash and into where the wiring comes out for the instruments. Bring both wires onto the right side
Refit instrument cluster.

Remove blank switch from the bottom right of the binnacle and unclip front cover. With switch supplied remove front and replace with the blank one.
Refit binnacle and pass the 2 wires through the switch hole.

Connect up switch, use pins 1 & 4 and then push switch into slot.
Switch on ignition and press switch to check that the solenoid energizes and locks the central diff.

Refit plate into tunnel and fix into place with pop rivets supplied
Place foam pad over gear levers and refit centre console in reverse order of when it was removed.