THIS GUIDE IS BASED ON TAMPERING WITH IN CAR ELECTRICS !!!!!

IF SOMETHING GOES WRONG, I DON'T TAKE ANY RESPONSIBILITITY IF ANY DAMAGE OCCURES.

OVO UPUTSTVO SE BAZIRA NA MODIFICIRANJU ELEKTRIKE U AUTU !!!!

JA, KAO AUTOR NE PREUZIMAM NIKAKVU ODGOVORNOST ZA EVENTUALNU NASTALU ŠTETU.

I STRONGLY ADVISE YOU TO CHECK ALL THE WIRES BEFORE ANY CONNECTING.

PREPORUČAM VAM PROVIJERU SVIH ŽICA PRIJE SPAJANJA.

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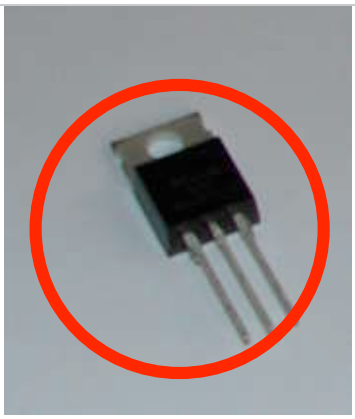
This is a guide on how to make the side repeaters to blink when unlocking and locking the car on a standard Fiat RCL relay.	Ovo uputstvo pokazuje kako izvesti spojeve da bi kod serijskog daljinskog zaključavanja zasvijetlila sva 4 žmigavca kod otključavanja i zaključavanja
 	First you will need: - 3 diodes BYV42E(cricled red) - one 8A or more double relay – by double I mean it has to have 2 incoming and 2 outgoing separate connections and that it has the connections in it connected when no power is present (circled white) - a soldering iron - plastic plate - stealers (circled yellow) Kao prvo potrebne su: - 3 diode BYV42E (crveno zaokruženo) - jedan 8A ili više dvostruki relej – pod dvostruki mislim da ima dva ulaza i izlaza međusobno odvojena, te da su mu kontakti spojeni kad na njega ne dolazi struja (zaokruženo bijelo) - lemilica - komad plastike - konektori (zaokruženo žuto)

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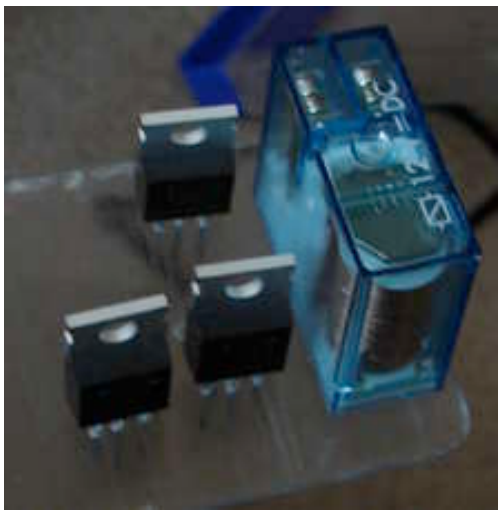

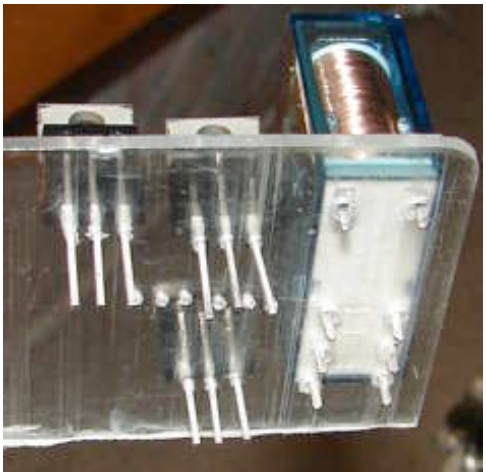

Step one / korak prvi

Take your plastic and place your relay and diodes where you want them to be on it. After you made a design, mark where the feet of the relay and diodes go. Now dril the holes in the plastic like on the pic left and insert the elements.

Uzmite plastiku i na njoj odredite raspored elemenata, nakon što ste to učinili označite gdje njihove “nožice” dolaze i probušite plastiku.
Nakon toga umetnite elemente.

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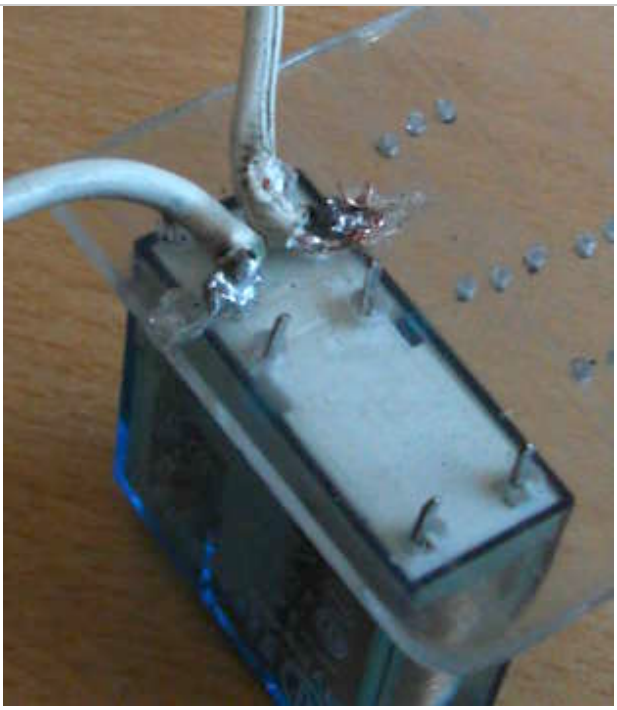	After you have done the above, you are ready for soldering. Solder two wires on the outgoing connections on the relay. Nakon što ste napravili gore navedeno, vrijeme je za lemljenje. Zalemite dvije žice na izlazne kontakte releja.
	When you did that, now solder the two existing wires to the OUTSIDE connections of the diode 1. Sada je potrebno zalemiti te dvije žice na VANJSKE kontakte diode 1.

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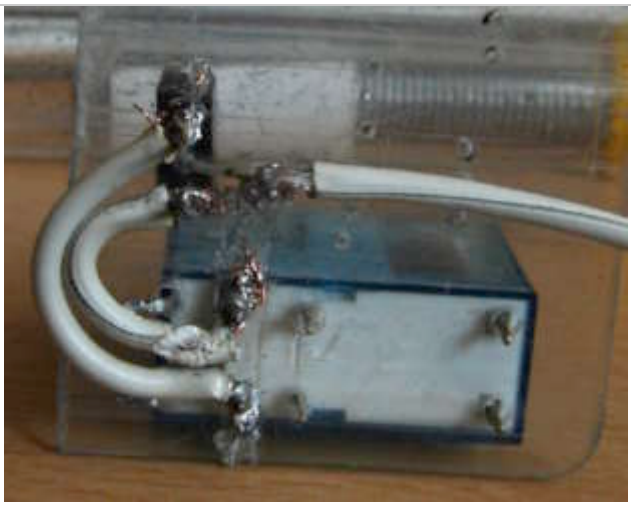
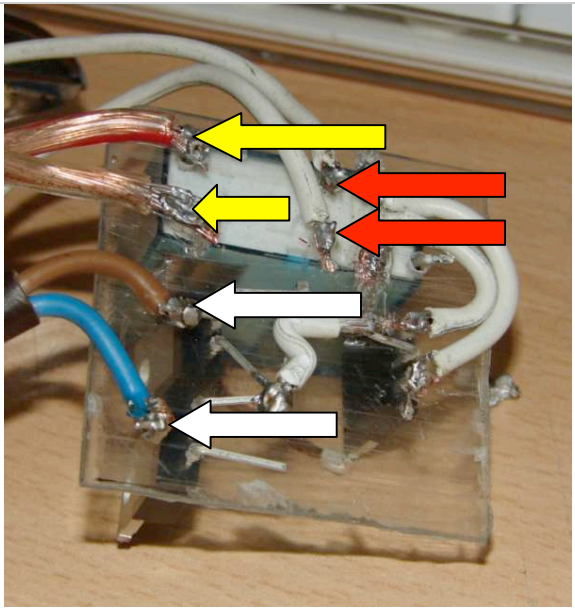
	Now solder a new single wire on the middle connection of the diode 1. Pošto je dioda sada vezana sa relejem, potrebno je zalemiti novu žicu na srednji kontakt diode 1.
	The next thing to do is to bend the two INNER connections of diode 2 and 3 together and solder the wire from diode 1 on the two connections. Sljedeći korak je savijanje UNUTARNNJIH kontakata dioda 2 i 3, te lemljenje izlazne žice diode 1 na savijene kontakte diode 2 i 3.
	Now the plate is done and you must solder the outgoing and incoming wires. The incoming / incoming wires: On the botom of the relay (yellow arrows) you must solder 2 wires that will power the relay. So one is + and the other – pole. Middle of the relay (red arrows) are the incoming signals from the RCL relay.

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	On the MIDDLE connections of the diodes (white arrows) are the outputs for the repeaters. Make all of the above wires as long as 2m – due to the car instalation later on. Nakon što je pločica spojena, potrebno je zalemiti izlazne i ulazne žice. Ulazne / izlazne žice su: Na dnu releja (žute strelice) mora se nalemiti dvije žice. Jedna je + a druga – pol napjanja releja. Sredina releja (crvene strelice) su ulazne žice od već ugrađenog releja daljinskog zaključavanja. Na SREDNJE kontakte dioda (bijele strelice) su izlazi prema žmigavcima. Gore navedene žice neka budu do 2m duljine zbog spajanja na auto instalacije.
	After the above is done, you need to insulate the down part of the plate – I used a hot glue gun, but you can use what you have. Nakon što je gore navedeno zalemljeno, potrebno je izolirati donju stranu pločice – ja sam iskoristio pištolj na toplu plastiku, ali može se i drugim metodama.

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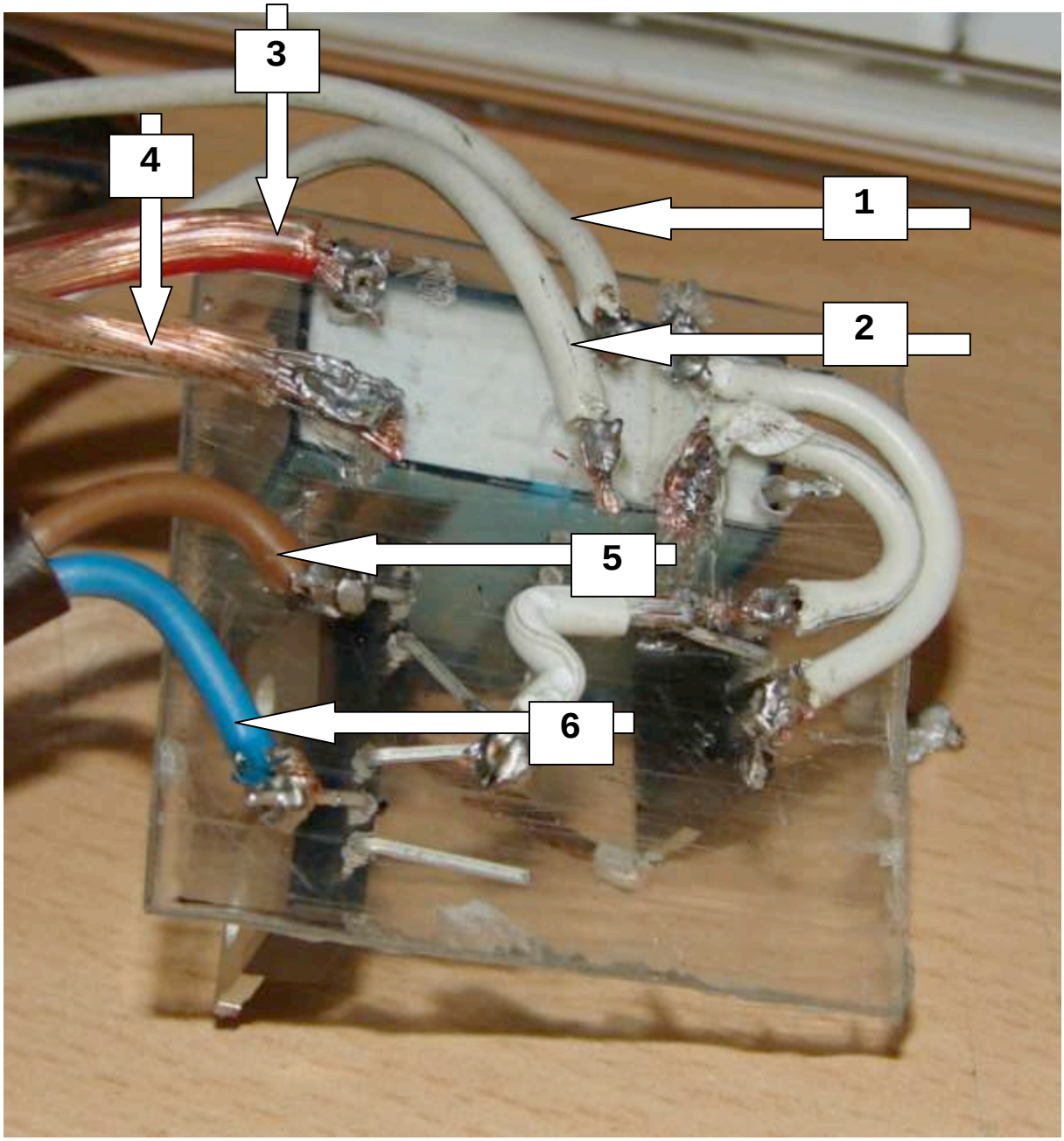
Instalation in the car
Instalacija u auto



	First you need to tako out the glove box. Then find the RCL relay (yellow relay) and take it out. Now use “stealers”(pic left) to connect the incomming wires to the relay on the plate you made to the wires of the RCL relay.

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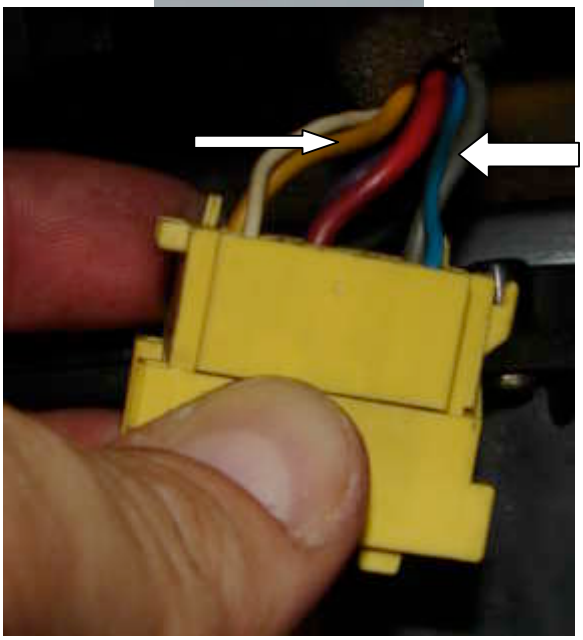

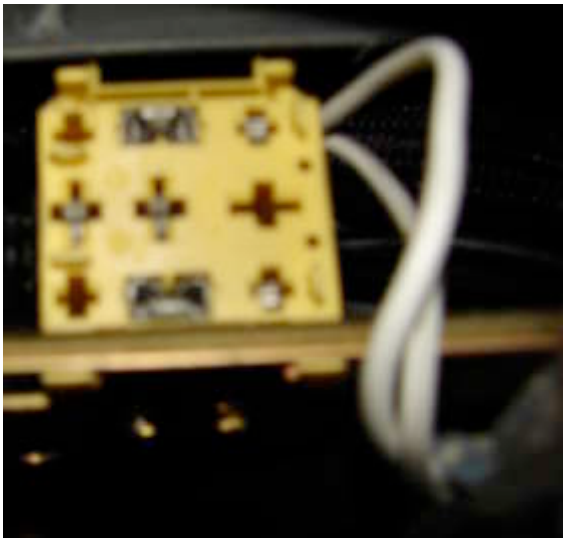

Connection:
YELLOW – goes to 1M on the RCL relay - number 1 wire (pic above)
GREY – goes to 2M on the RCL relay - number 2 wire (pic above)

Test the wires first !!!!!!
There may be color changes on some models.

Prvo je potrebno izvaditi pretinac za rukavice.
Zatim naći relay centralnog zaključavanja (žuti relej) i izvuči ga.
Sada uz pomoć spojnica(slika lijevo) potrebno je povezati ulazne žice releja koji je na vašoj pločici sa žicama na relaju centralnog zaključavanja.

Spajanje:
ŽUTA – spaja se na 1M na releju centralnog z. - broj 1 žica (slika gore)
SIVA – spaja se na 2M na releju centralnog z. - broj 2 (slika gore)

Provijerite žice prvo !!!!!!
Može doći do promijene boja žica kod nekih modela.

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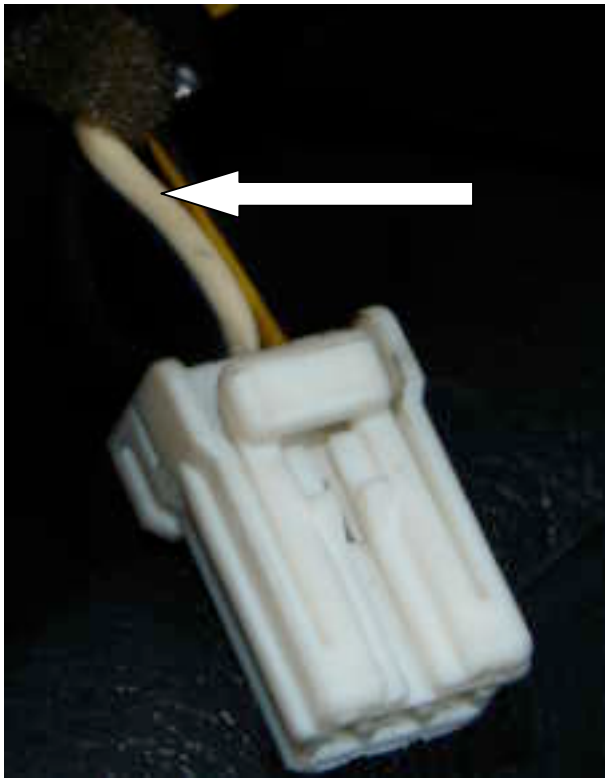

After that connection is done, take out the ashtray and disconnect its connector.
Again use stealers and connect:

WHITE/BLACK – number 3 wire (above pic)

Number 4 wire is – pole, so you can connect it anywhere on the car chasis.
TEST THE WIRE FIRST !!!!
COLOR CHANGE MAY BE PRESENT.

Nakon što je gornji spoj napravljen, potrebno je izvaditi pepeljaru i iskopčati njen konektor.
Ponovno je potrebno spojnicama spojiti:

BIJELO/CRNA – broj 3 žica (gornja slika)

Žica broj 4 je – pol i može je se spojiti bilo gdje na šasiju auta.

PROVIJERITE PRVO ŽICU !!!!!
MOŽE POSTOJATI IZMJENA BOJE ŽICE.

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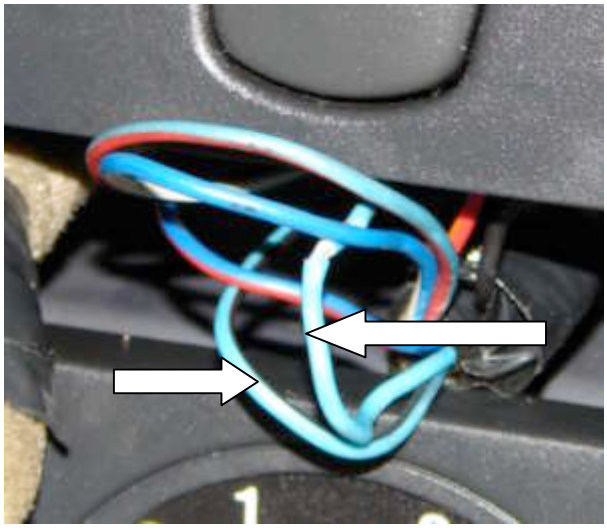
Now commes the repeaters part. Take out the switches on the middle console and pull out the wires that go to the hazard switch.

When you have done that, use the stealers once again and connect:

SKY BLUE – number 5 wire (above pic)
SKY BLUE/BLACK – number 6 wire



Sada je na redu spajanje na žmigavce. Izvadite prekidače na centralnoj konzoli i izvadite žice koje idu na prekidač 4 žmigavca.

Kada ste to učinili, opet iskoristite spojnice i povežite:

NEBESKO PLAVU – žica 5 (gornja slika)
NEBESKO PLAVU / CRNU – žica 6

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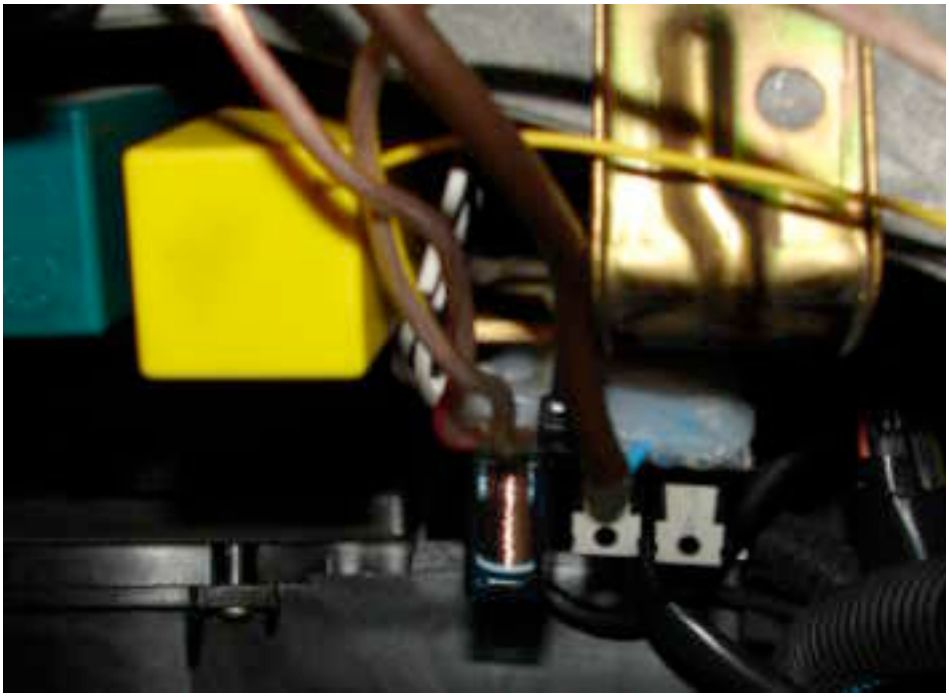
Now return the RCL relay in and test if all works.

Sada vratite relej centralnog zaključavanja i probajte da li sve radi.



If all is OK, find a place for the plate you made and secure it.
Now return all back to its place (glove box, ashtray . ..)
And your Done ☺

Ako sve radi, nađite mjesto za pločicu koju ste napravili i osigurajte je.
Vratite sve na svoje mjesto (pretinac za rukavice, pepeljaru …)
I gotovi ste ☺

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