

Installation Manual

Po-40 : Remote Control Mirror

Lexus IS250



1. Remove the screw securing the inner handle



2. Remove power window master switch

and disconnect the power window switch connectors **A** and **B**.



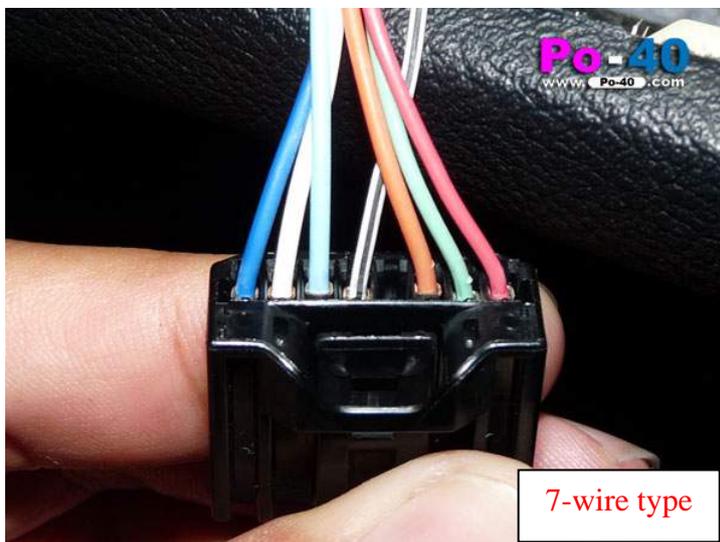
3. Remove the screw under power master switch .
Remove door panel starting at the bottom edge of door panel.



Rear

Front

4. At Connector (A) , there are three types of connector (A)
7-wire type , 9-wire type and 11-wire type.



* Note In some countries the connector (A) is a black 7-wire type .

5.1 [7 wire type] Cut the **PINK** wire now we have

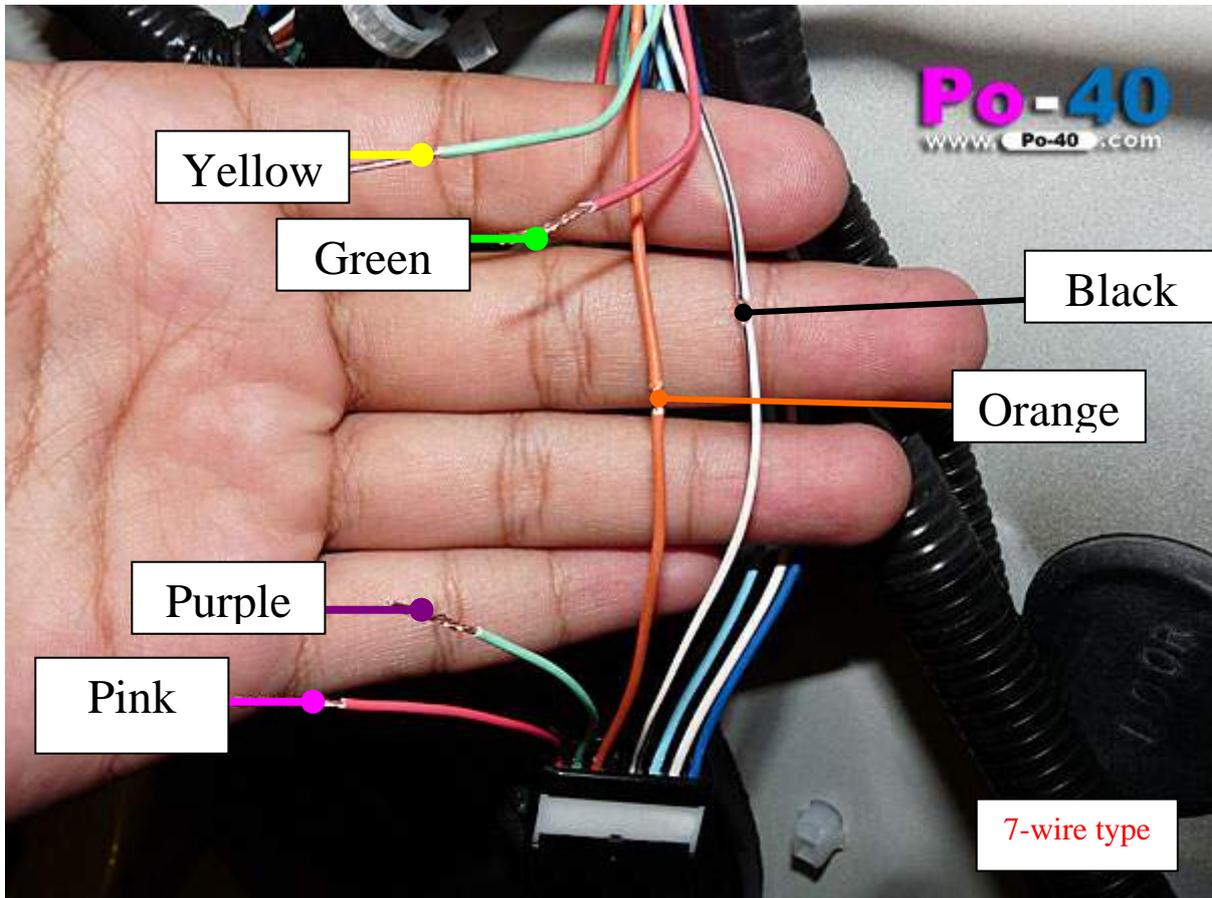
- the **PINK** wire(Switch side) and the **PINK** wire (Motor Side)

Cut the **Light GREEN** wire now we have

- the **Light GREEN** wire(Switch side) and the **Light GREEN** wire (Motor Side)

then see the picture below

| | | |
|---------------------------------------|------------|-------------------------------------|
| PINK wire (Switch side) | connect to | <u>Pink</u> wire of Po-40 harness |
| PINK wire (Motor side) | connect to | <u>Green</u> wire of Po-40 harness |
| Light GREEN wire (Switch side) | connect to | <u>Purple</u> wire of Po-40 harness |
| Light GREEN wire (Motor side) | connect to | <u>Yellow</u> wire of Po-40 harness |



Remove the insulator of **ORANGE** wire of the connector (A)

connect Orange wire of Po-40 harness to **ORANGE** wire of Connector (A)

Remove the insulator of **WHITE/BLACK** wire of the connector (A)

connect Black wire of Po-40 harness to **WHITE/BLACK** wire of Connector (A)

* Note 5.2 Note: In some counties the connector (A) is a white 9-wire type.

If you have the T-quick harness then use the T-quick harness and go to [Step 6](#)

If you have the universal harness then [continue here](#)

5.2 [9-wire type] Cut the **BROWN** wire now we have

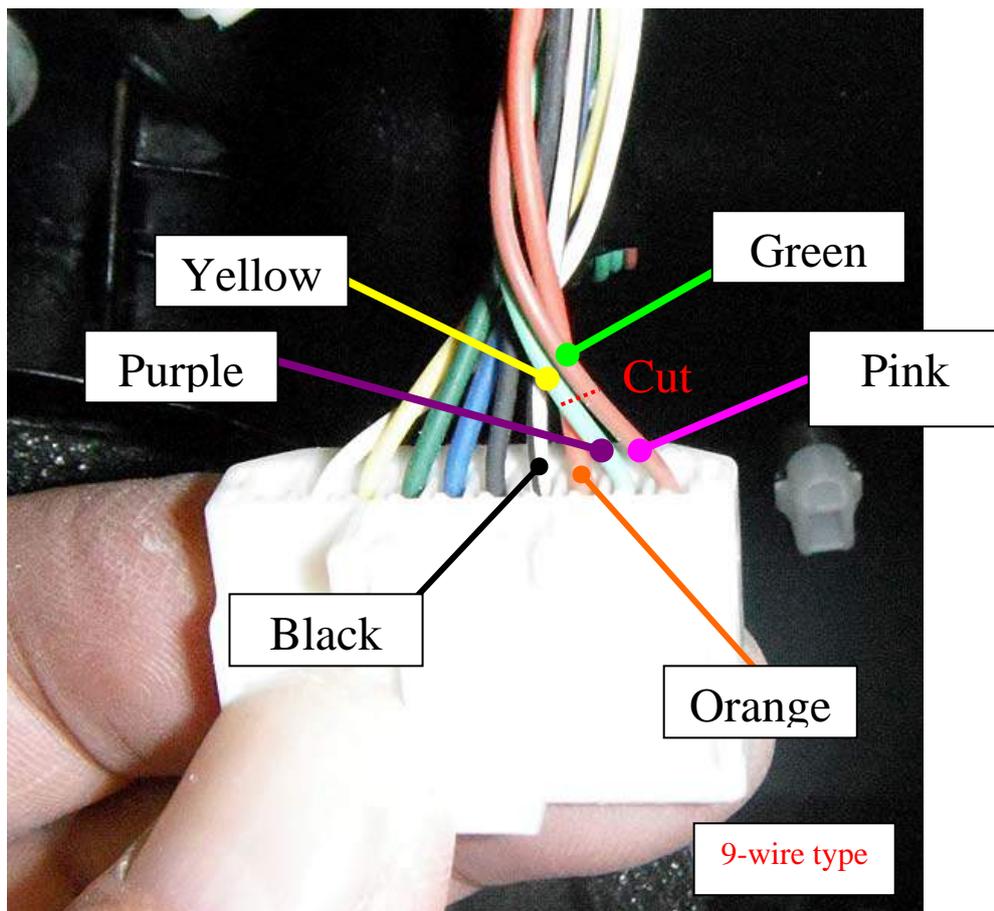
- the **BROWN** wire(Switch side) and the **BROWN** wire (Motor Side)

Cut the **Light GREEN** wire now we have

- the **Light GREEN** wire(Switch side) and the **Light GREEN** wire (Motor Side)

then see the picture below

| | | |
|---------------------------------------|------------|-------------------------------------|
| BROWN wire (Switch side) | connect to | <u>Pink</u> wire of Po-40 harness |
| BROWN wire (Motor side) | connect to | <u>Green</u> wire of Po-40 harness |
| Light GREEN wire (Switch side) | connect to | <u>Purple</u> wire of Po-40 harness |
| Light GREEN wire (Motor side) | connect to | <u>Yellow</u> wire of Po-40 harness |



Remove the insulator of **ORANGE** wire of the connector (A)

connect Orange wire of Po-40 harness to **ORANGE** wire of Connector (A)

Remove the insulator of **WHITE/BLACK** wire of the connector (A)

connect Black wire of Po-40 harness to **WHITE/BLACK** wire of Connector (A)

* Note In some countries the connector (A) is a white 11-wire type.

[there is a lamp inside this switch , you can check by turn on the headlamp]

5.3 [11-wire type] Cut the **BROWN** wire now we have

- the **BROWN** wire(Switch side) and the **BROWN** wire (Motor Side)

Cut the **Light GREEN** wire now we have

- the **Light GREEN** wire(Switch side) and the **Light GREEN** wire (Motor Side)

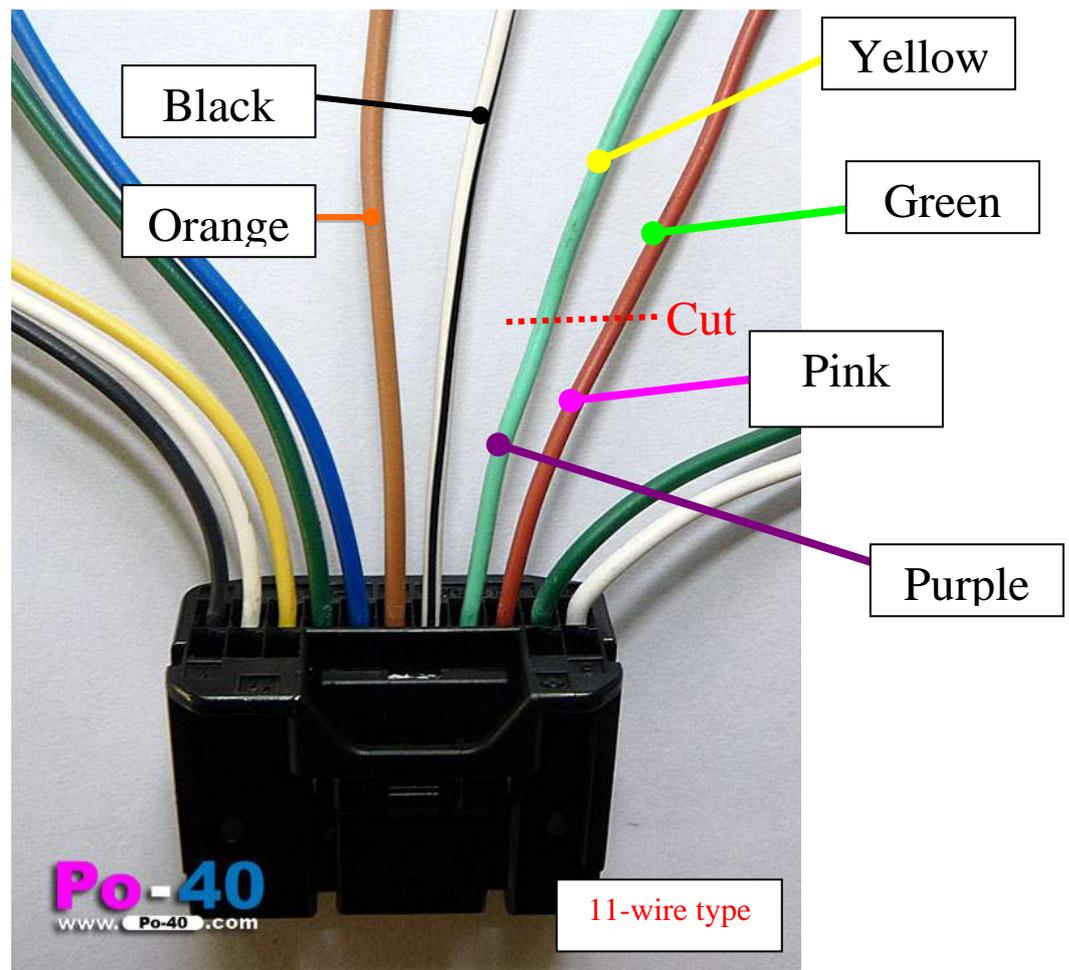
then see the picture below

BROWN wire (Switch side) connect to Pink wire of Po-40 harness

BROWN wire (Motor side) connect to Green wire of Po-40 harness

Light GREEN wire (Switch side) connect to Purple wire of Po-40 harness

Light GREEN wire (Motor side) connect to Yellow wire of Po-40 harness



Remove the insulator of **Light BROWN** wire of the connector (A)

connect Orange wire of Po-40 harness to **Light BROWN** wire of Connector (A)

Remove the insulator of **WHITE/BLACK** wire of the connector (A)

connect Black wire of Po-40 harness to **WHITE/BLACK** wire of Connector (A)

Move the shrink tube to cover the junction and heat it by hot air gun or cigarette lighter.



Wrap every junction again by electrical tape.



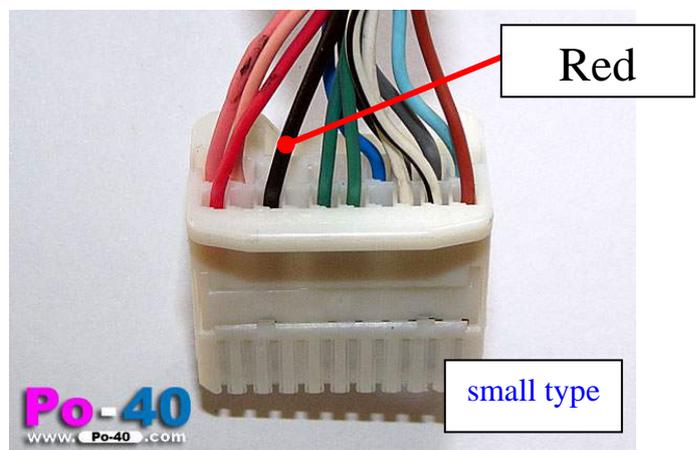
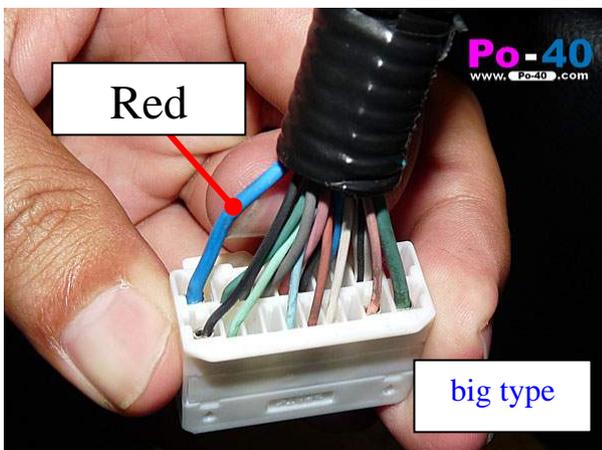
6. At the connector (B) , the white connector
There are two types of connector (B) ,
the big type [left picture] and the small type [right picture]
the small type can be found in the IS250 which has 11-wire type connector (A) only .
please

remove the insulator of **BLUE** wire of the connector (B) [big type]

connect Red wire of Po-40 harness to **BLUE** wire of Connector (B)

or remove the insulator of **BLACK** wire of the connector (B) [small type]

connect Red wire of Po-40 harness to **BLACK** wire of Connector (B)



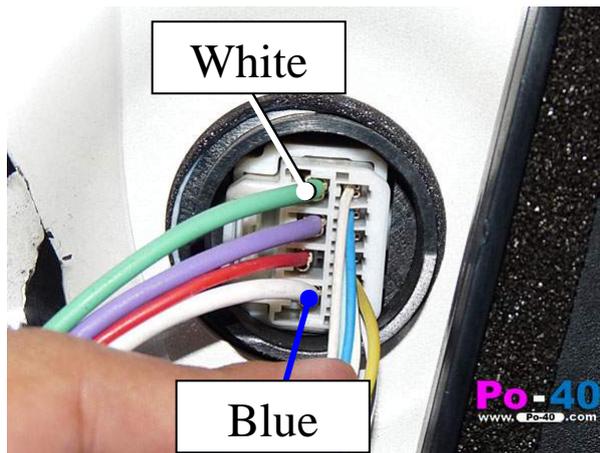
7. At Connector **C** , the white connector at back side of driver door.

remove the insulator of **Light GREEN** wire of the connector (**C**)

connect White wire of Po-40 harness to **Light GREEN** wire of Connector (**C**)

remove the insulator of **WHITE** wire of the connector (**C**)

connect Blue wire of Po-40 harness to thick **WHITE** wire of Connector (**C**)



main function of the Po-40 Control Unit

With key switch OFF and every doors closed

Lock by Remote , key , button on door handle → Mirror Retract

Unlock by Remote , key , button on door handle → Mirror Extend

With key switch Acc or ON

Lock / Unlock does not control Mirror to Retract or Extend

but you can Retract/Extend outside mirror by Retract switch on driver door panel.



Special function of the Po-40 Control Unit

1. Door Lock but Mirror not Retract

- key switch off
- close every doors (doors still unlock)
- Press Unlock button and then press Lock button on your remote (with in 1 second)

2. Door Unlock but Mirror not Extend

- come back to the car (door still lock)
- Press Lock button and then press Unlock button on your remote (with in 1 second)

Now you can enter the car but mirrors are still retracted ,
they will extend when the key switch Acc or ON

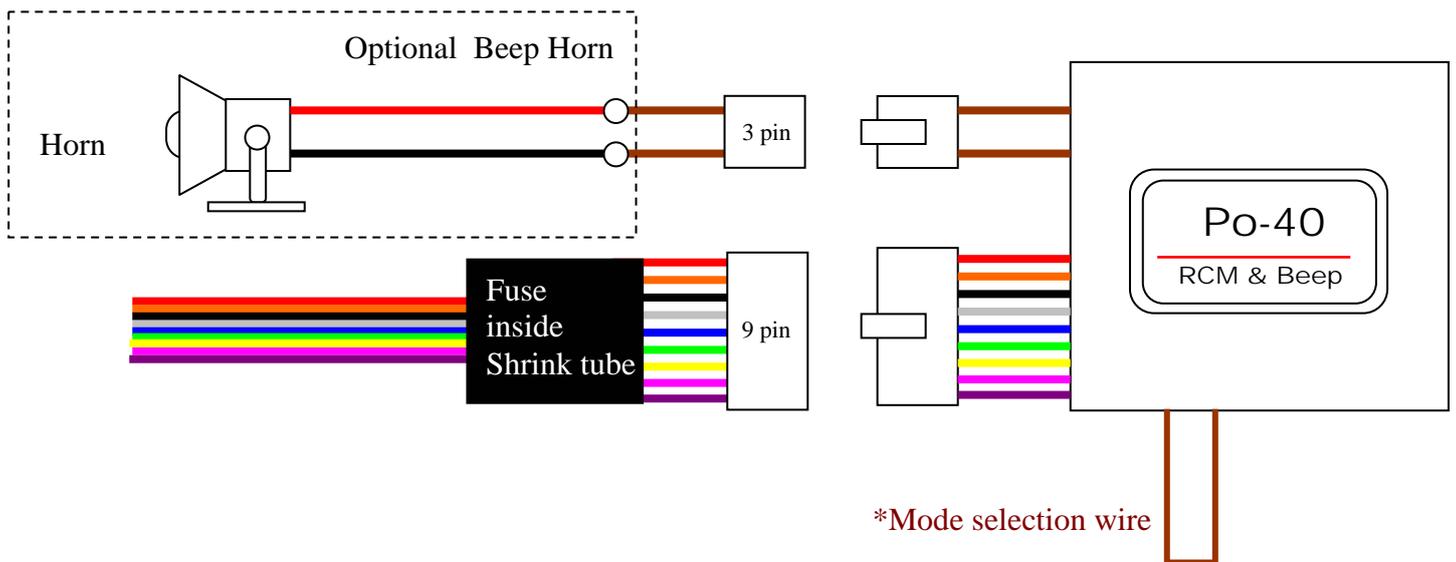
Special functions are one-time functions.
only on the situation you press Lock and then Unlock consecutively
or Unlock and then Lock consecutively,

5 seconds after that the control box will reset to normal operation automatically.

On the harness there is black shrink tube wrap around it (Fuse inside)

if you install every thing correctly but the control box does not operate

please remove the black shrink tube and inspect if the fuse holder loose or disconnected.



- **leave it connected in loop**
Lock → Retract , Unlock → Extend
- **cut it and wrap each side with electrical tape separately**
Lock → Retract , Key switch Acc or ON → Extend