

Fitting kit

1 x large cable tie
3 x M5 x 16mm flange head bolts + M6 plastic washers
2 x M4 rubber anchor nuts + M4 x 16mm flange head bolts + plastic washers
2 x M6 x 16mm button head bolts + rubber washers + plastic washers
1 x Rubber strip 130mm
2 x 13mm rubber grommet
5 x 50mm rubber shrink tube
Pair of 'Spear' Indicators – long stem

Ninja 250 fitting instructions.

Dismantling original parts.

Some of the original parts will be required for fitting so keep in a safe place

First remove exhaust can

Remove Side panels and riders seat

Remove pillion seat

Remove all 6 fastenings for the seat panels and remove panels

Remove battery and battery box (keep these fixings safe)

Remove both bolts from lower part of undertray

Unclip wires from light unit

Remove 4 bolts from rear end of sub frame holding undertray and light unit

Unclip top section of light unit and remove light unit

Unclip electronics from undertray and remove the undertray.

Remove pillion seat locking mechanism (this is not essential but is best to do so) Remove both bolts from the key mounting and both the bolts from the lock mounting. Next use a screwdriver to pen up the metal pins on the lock mechanism holding the cable and remove cable to allow both the key and lock mechanisms to be removed.

Mounting the Undertray

Push M4 rubber anchor nut into holes on bottom of undertray with the shoulder on the outer face of the undertray

Apply masking tape to undertray for protection while assembling. (2 or more layers of tape are advised) making sure that the tape is right to the edge of the recessed lip. see image for positioning



Feed the undertray in from rear of bike (keep electronics held out of the way)

Once undertray is roughly positioned fix the light housing bracket to sub frame using M6 bolt with rubber washer in between the bracket and the sub frame and plastic washer between bolt and sub frame. Bolt up tight.

Fitting the Tail unit.

It is advisable to test fit the tail unit, to confirm you are happy with the fit, before wiring - wiring the lights involves chopping the original wires of your bike.

First stick rubber strip to the top of the sub frame ensuring that the corners are covered (see pic)



Push rubber grommets into the 13mm diameter holes in the tabs at the front of the tail unit

To fit the tail unit stand at rear of bike, and offer the rear of the tail unit up to the rear of the undertray ensuring the lip of the undertray is inside the tail unit

Hold the near the mounting tabs and flex outward pulling the tail unit over and around the undertray, keeping the lip of the undertray inside the tail unit. The tail unit should now be roughly in position. (The mounting tabs may be on the inside of the undertray at this point)



Stand back and check that the undertray is inside the seat unit looking from the rear of the bike.

Next pull and fix the mounting tabs into position in the recessed areas on the undertray with the mounting tabs on the underside of the mounting holes of the sub frame (This may require some joggling)

Remove all masking tape from the undertray

When tabs are in place fix using M5 bolts with plastic washers and fix mounting point on top of the tail unit with M5 bolt with plastic washer.

Fasten bottom fixing points on undertray using M4 bolts with plastic washers.

Fix seat and side panels using original fastening and re-attach exhaust can.

Wiring

Wires can be either soldered or joined using bullet connectors. - we recommend soldering.

Fix indicators and LED number plate illuminator to the micro plate and feed wires through the rubber grommet in the light mounting bracket. (a hole will need to be pierced in this to allow wires through)

Re-attach battery box using 2 mounting points on the sub frame

Place battery in battery box and re-wire

Re fix top section of battery box by clipping in and fastening the single bolt

Clip the electronic distribution box back in place onto battery box lid

Feed the rubber cased ECU into position **under** where pillion seat locking mechanism used to be and feed cable tie through side slots. Tie to sub frame

Fit the fuse box into gap shown in picture

Note: Don't forget to slide shrink tubing onto the cut wires before re- attaching/soldering the new joints!

Next you need to chop the wiring from your original indicators/..... Take loose cables and connect to original connectors. (Black connector is left indicator and Grey connector is right indicator/..... next solder the new light wires into the original wires as follows.....Black/Yellow to Black. White/Green to Black.

Next chop the original wiring from the light unit and connect back into its original connector (White)next you need to join the wires from the new lights - Red to Red, Black to Black and Yellow to Yellow. Then solder to original wires as follows....new light unit Yellow to original Red. New light unit Red to original Blue and new light unit Black to original Black/Yellow.

Next chop the original wiring for the number plate illuminator and plug into original fixing (Black). Now solder the new Black wire to Black/Yellow and then Red to Red.

Finally slide over the rubber shrink wrap and use a heat gun to shrink.

Re-attach number plate (new holes may need to be drilled)

CHECK ALL FASTENERS ARE TIGHTENED SECURELY

There is a youtube video showing how to fit the product (not showing wiring)
www.youtube.com/pyramidplastix