

NC750X Panel – Parts List and Assembly Notes

USB/DC Socket/Voltmeter Panel

<http://www.ebay.co.uk/itm/351229749268?trksid=p2059210.m2749.l2649&ssPageName=STRK%3AMEBIDX%3AIT>

2 Way Waterproof Connector

http://www.ebay.co.uk/itm/Electrical-Waterproof-Connector-1-2-3-4-5-6-Pin-Way-Superseal-Car-Boat-Kit-Clip-/321634982523?pt=UK_BOI_Electrical_Components_Supplies_ET&var=&hash=item4ae2f05a7b

You need one of these as this item contains both halves of the connector – see assembly notes below.

Fuse Tap

http://www.ebay.co.uk/itm/2x-Add-A-Circuit-Micro-Blade-Fuse-Holder-APS-ATT-Piggy-Back-Tap-Mini-Low-Profile-/171487558024?pt=UK_CarsParts_Vehicles_CarParts_SM&hash=item27ed747988

You need one of these but this item comes as a pack of two – gives you a spare.

Plastic Spacers 15mm Long

<http://www.ebay.co.uk/itm/231063243966?trksid=p2059210.m2749.l2649&var=530218700096&ssPageName=STRK%3AMEBIDX%3AIT>

This is a pack of 10 so you need quantity 1 of this eBay item

Stainless Steel Flanged Button Head Allen Screw Bolt 30mm

<http://www.ebay.co.uk/itm/150868101065?trksid=p2059210.m2749.l2649&var=450098601318&ssPageName=STRK%3AMEBIDX%3AIT>

You can select the pack size you want – minimum pack size is 4.

You will also need M5 lock nuts if you don't have any already:

http://www.ebay.co.uk/itm/A2-Stainless-Steel-Nyloc-Nuts-To-Fit-Metric-Bolts-Screws-Nylon-Insert-Locking-/150783000310?pt=UK_DIY_Material_Nails_Fixing_MJ&var=450071238184&hash=item231b5dfef6

price is per pack – minimum pack size is 10.

Cable – I used Maplin 15A twin core, but the 10A version would be perfectly adequate and would probably be easier to assemble into the connector as the water seals are quite hard to get over the 15 A cable.

This is the 10 amp:

<http://www.maplin.co.uk/p/twin-core-10a-figure-8-cable-priced-per-metre-xs71n>

This is the 15 amp:

<http://www.maplin.co.uk/p/twin-core-15a-figure-8-cable-priced-per-metre-xs72p>

Connector assembly notes:

These waterproof connectors are a little tricky to assemble, and don't come with any instructions, though I am sure you can find some on YouTube. However, if you haven't done anything like this before it might be worth looking for some simpler connectors as I don't think they really need to be waterproof in this location. You could even just use a piece of connector block with screw terminals.

If you go ahead with these here are some tips:

Don't forget to put the little yellow water seal sleeves on each wire first, and then crimp the wires into the terminals - the bigger tabs go around the insulation, the smaller section around the wire. I put some solder on the wire before assembly and then put a little solder on after crimping to ensure a good connection. I just carefully use pliers to crimp the terminals by carefully folding the tabs over onto the wire, but I expect you can get a purpose made tool if you are doing a lot.

You should connect the panel end of the wiring to the larger section and this should take the male terminals - the small pins on these will protrude through the red plastic inside the connector and should stick out a few mm. The female (socket) type terminals should go on the fuse panel (live) side of the wiring and into the smaller section of the connector and fit up flush behind the red plastic bit on the end - you can unclip this and take it off to see what you are doing.

Both sets of connector terminals seem to only fit in the housings correctly one way up - when you get it right they will click in and not be able to be pulled out easily - if they are the wrong way up they won't go in fully and won't click.

Final point - the two halves of the connector only go together one way (such that the locking tabs on both engage) - so make sure that you get 12v going to 12v and earth going to earth by lining them up correctly before you insert the terminals in the opposing halves of the connector!

Fuse Tap fitting notes:

To use this method of getting a switch 12V supply you need to have the Honda accessories relay and fuse fitted as you will need the accessories relay and fuse slot.

You need to remove the accessories fuse fitted above the accessories relay and plug the fuse tap into where this fuse was. Because the relay is in the way the fuse tap will only fit one way and that is with the wire exiting towards the left side of the bike. The original accessories fuse goes in the fuse tap in the position nearest the fuse box. The second fuse which will supply the new circuit goes in the other upper position.

The only difficult bit is that you need to cut a slot in the side of the fuse box cover to allow the wire to exit to the left side of the bike. I also removed the bits of plastic which form a spare fuse holder in this position because they get in the way of the cable. There are three other spare fuse holders in the cover so I didn't think this was a problem.

The alternative is to wire into the accessories sub-harness if you have one. I wanted mine separate for a more direct connection, and to not use up any of the current capacity of the accessories connector, as I want this for other things like heated grips and additional light. Hopefully the relay will be up to supplying both circuits.

Have fun!

Fred