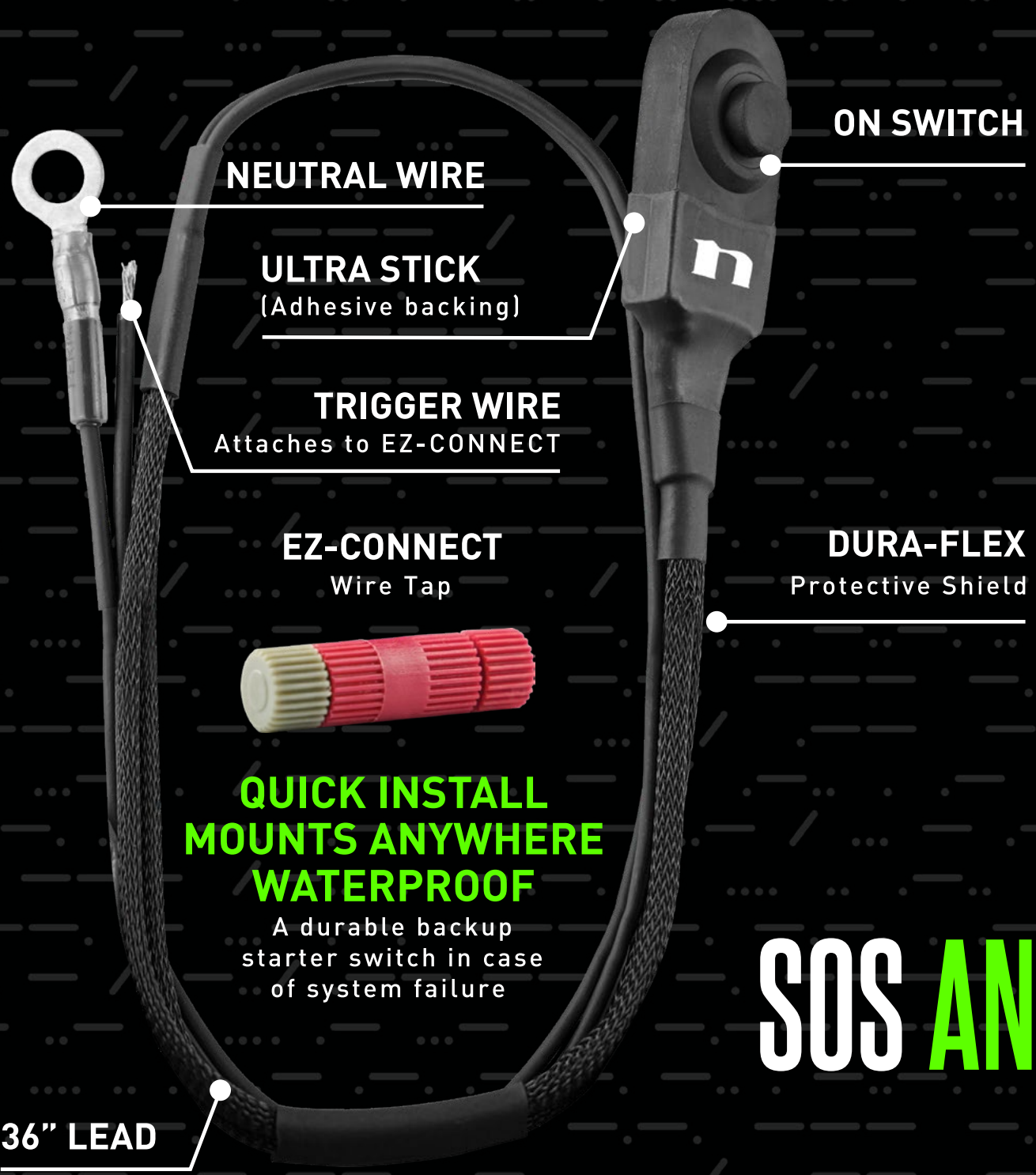


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CONCEPTS

SOS

NEVER STRANDED

SECONDARY ON SWITCH INSTALLATION - KTM/HUSQVARNA 250/450



ON SWITCH

NEUTRAL WIRE

ULTRA STICK
(Adhesive backing)

TRIGGER WIRE
Attaches to EZ-CONNECT

EZ-CONNECT
Wire Tap

DURA-FLEX
Protective Shield

QUICK INSTALL
MOUNTS ANYWHERE
WATERPROOF

A durable backup
starter switch in case
of system failure

36" LEAD

SOS ANATOMY



TOOLS **NEEDED**

Wrenches to remove seat, side panels and shrouds in most cases

Electric Contact cleaner and a clean oil-free rag to clean oils and chemicals off of area that switch will be placed

(Helpful for finding Trigger wire) Ground wire and trigger detector wire (with probe) attached to SOS temporarily for testing purposes.



STEP 1 PICK LOCATION

The SOS switch can be mounted anywhere on your dirt bike. Ideally, you want to mount it in a safe and protected location on the bike, so if your OEM start button gets ripped off or damaged, all you will need to do is reach for the Nihilo SOS and your back in action. It's a good idea to read ahead and learn how to find the trigger wire and Neutral connection and do a dry run hooking everything up and testing it, once you know it is working and hooked up correctly then go back and run your wires and attach the SOS button. The tape attached to the button is heavy duty and will stick very well as long as the area you stick it to is clean and free from all oil and dirt. Use the electric contact cleaner and a clean rag to clean the area very thoroughly.

We worked with The KTM Off Road team to develop this product and they like to mount theirs on the front of the air box on the Right side of the bike, tucked in behind the side number plate. You can't see it and its very well protected from damage while riding and is easy to reach in case you need it. We installed ours there but you can pick anyplace else you would like.

Some suggestions:

- The backside of your shrouds
- Inside one of the frame members
- Inside the air box

Share your innovative ideas with us at info@nihiloconcepts.com



STEP 2

REMOVE PLASTICS

Start by removing seat, air box cover or side number plates and shroud. Remove everything necessary in order to mount your new SOS in a safe and protected spot.

The hook up is the same for the Husqvarna and KTM as far as the electrical goes. The sub frame is different but the front of the air box is a good location on both brands, just remove what you need to get the wires fished through and to give you good access.



STEP 3

LOCATE TRIGGER WIRE

Start by tracing the two wires that come off the OEM start button down along the frame until they arrive at the terminal block under the seat. On the KTM and Husqvarna 250/350/450 there is a small terminal block under the seat next to the battery. It's the one with the fuses attached to it. You will want to pull it out so you will have better access to the wires. It's pretty tight in there but you can get it if you take your time. Plugged into the Terminal block is a white clip in plug with three wires coming off of it, you will select the Blue Wire with the Red Tracer, that's your trigger wire. Attach the trigger wire from the SOS which is pre-stripped about .25" to that wire with the supplied EZ-Connector. Once you have made the connection it's a good idea to apply some electrical tape around the EZ-Connector to protect it from moisture and damage.

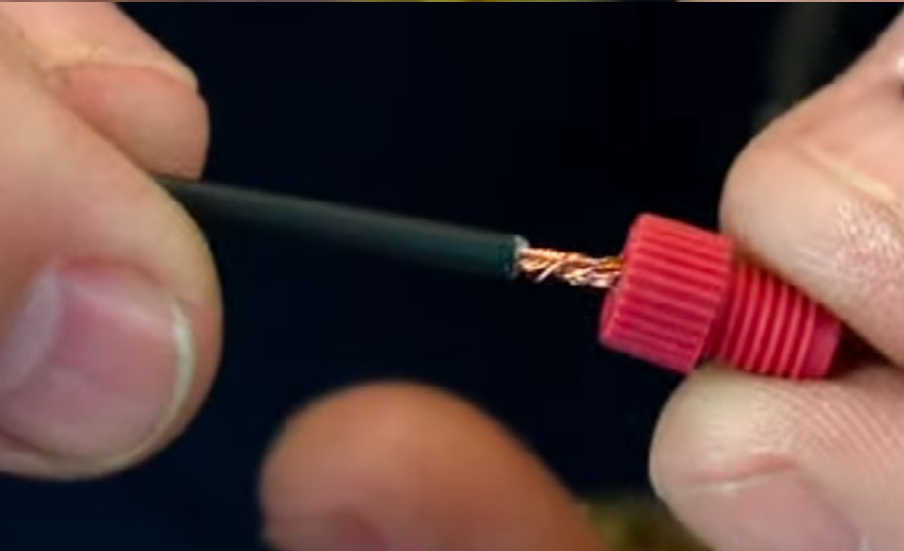
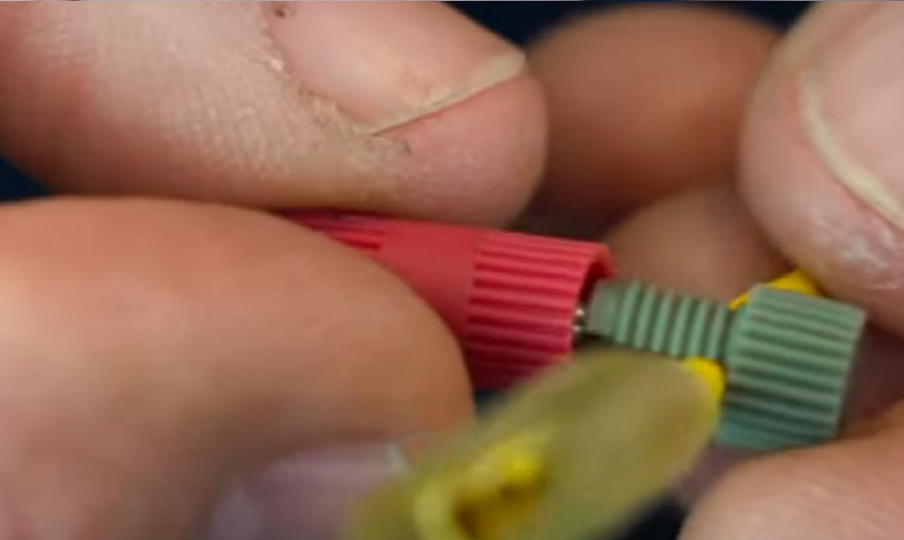
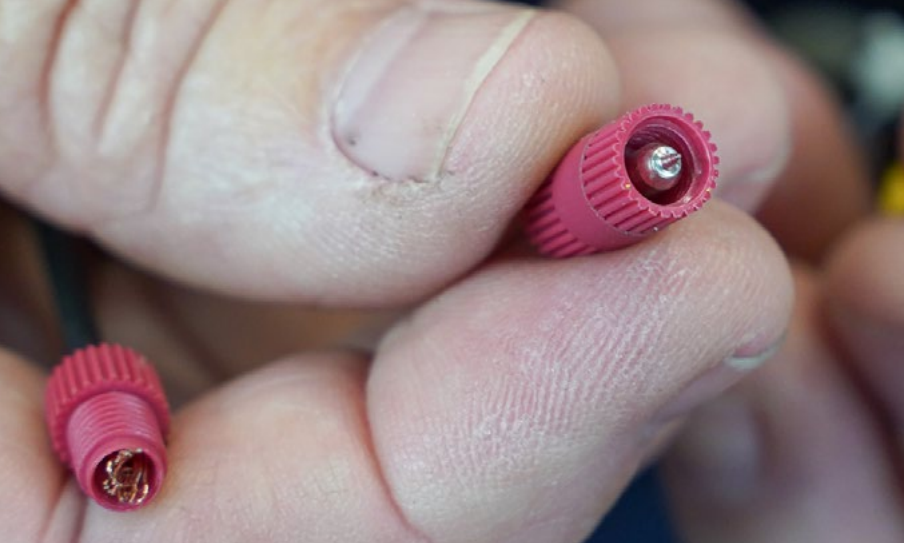
Step Five will explain how to install the EZ-Connector, simply follow those instructions to complete the trigger wire installation.



STEP 4

NEUTRAL WIRE

The next step is to locate the Neutral Wire connection point, You will be using the loop ended wire of the SOS. Since you are already working on the terminal block under the seat the best place to attach the Neutral wire is to the negative side of the battery (see image), simply loosen the screw and install the loop under it and reinstall the ground screw. Now you can push the SOS button and the bike should turn over. Once you are happy with the operation go ahead and finalize running your wires, use zip ties to secure everything so it won't move when riding.



STEP 5

EZ-CONNECT

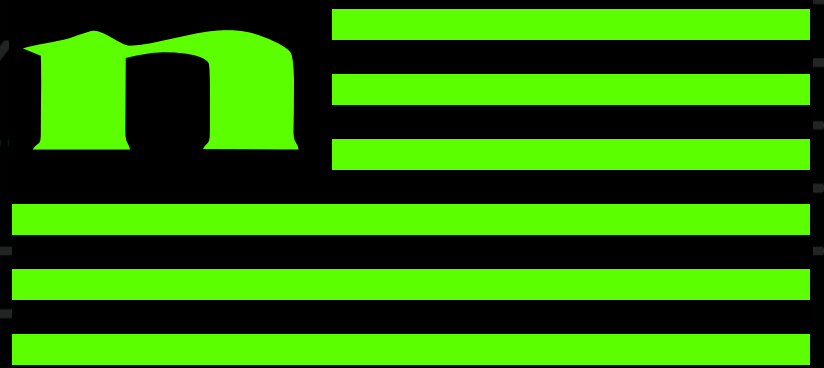
The EZ-Connector has been used on motorcycles for many years and is a proven way to add electrical accessories to your bike. One side has a gray screw tip, and it has a slot on the inside that will slide over the wire. Start with the gray side and slide the slot over the wire you are connecting to. Then take the center of the EZ-Connector and screw it back onto the gray cap while holding the cap in place. The sharp probe will pierce the insulation of the wire and make a good electrical connection. Next, take the trigger wire from the SOS (it will already be stripped back about $\frac{1}{4}$ ") and slide it into the red screw-on cap. Then screw them back together, the wire will become squished against the internal metal piece and make a good firm connection. It's always a good idea to use some heat shrink or electrical tape around the EZ-Connector to protect it from damage and moisture.



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SWS

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MADE IN THE USA