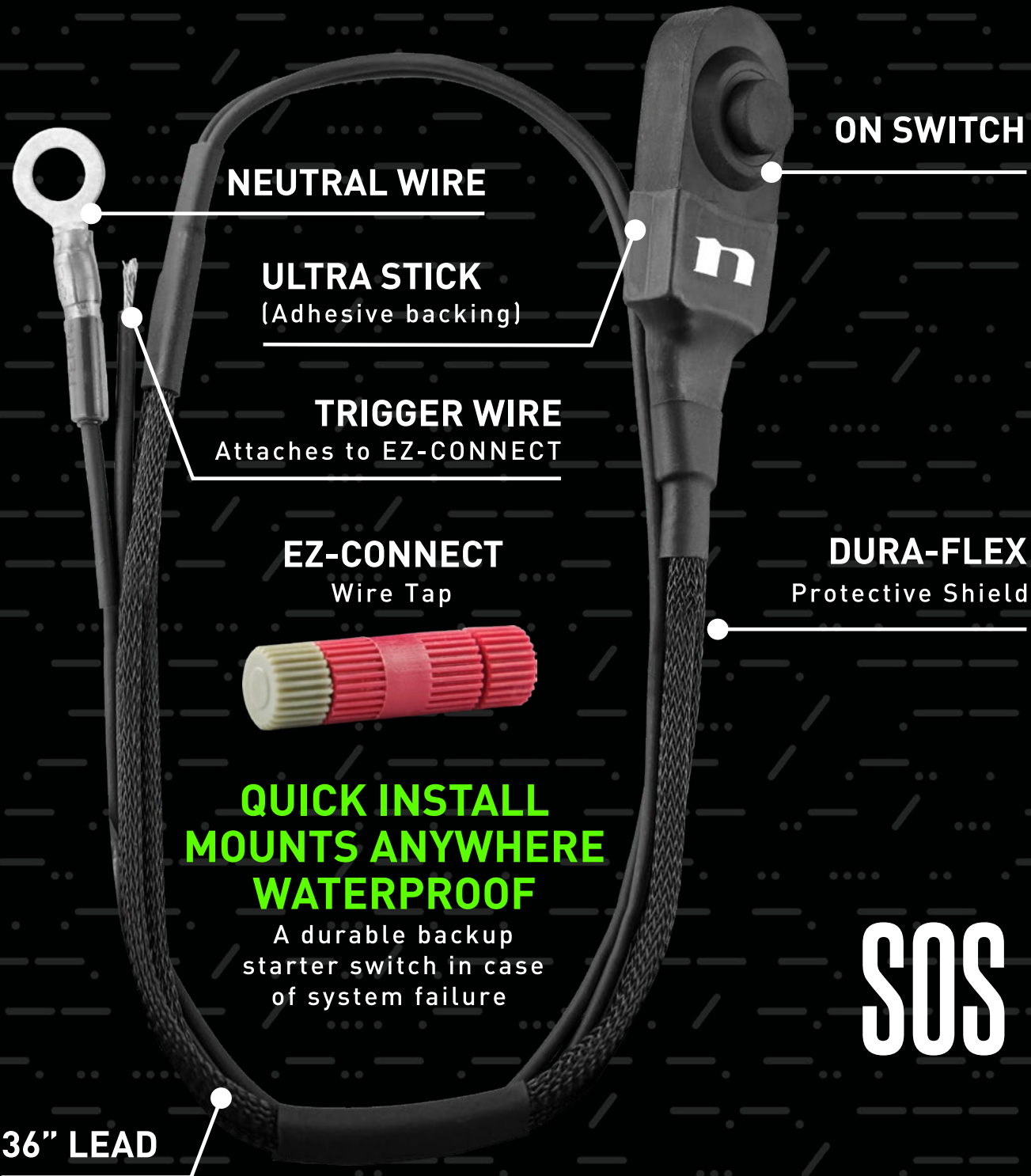


nihilo
CONCEPTS

SOS

NEVER STRANDED

SECONDARY ON SWITCH INSTALLATION - YAMAHA 250/450



36" LEAD

NEUTRAL WIRE

ULTRA STICK
(Adhesive backing)

TRIGGER WIRE
Attaches to EZ-CONNECT

EZ-CONNECT
Wire Tap

**QUICK INSTALL
MOUNTS ANYWHERE
WATERPROOF**

A durable backup
starter switch in case
of system failure

ON SWITCH

DURA-FLEX
Protective Shield

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 ground 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.

Some suggestions:

- The backside of your shrouds
- Inside one of the frame members
- Inside the air box
- On the head of the frame just in front of the radiators (like we did)
- Be creative, you can put it anyplace on your motorcycle

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



STEP 2

REMOVE PLASTICS

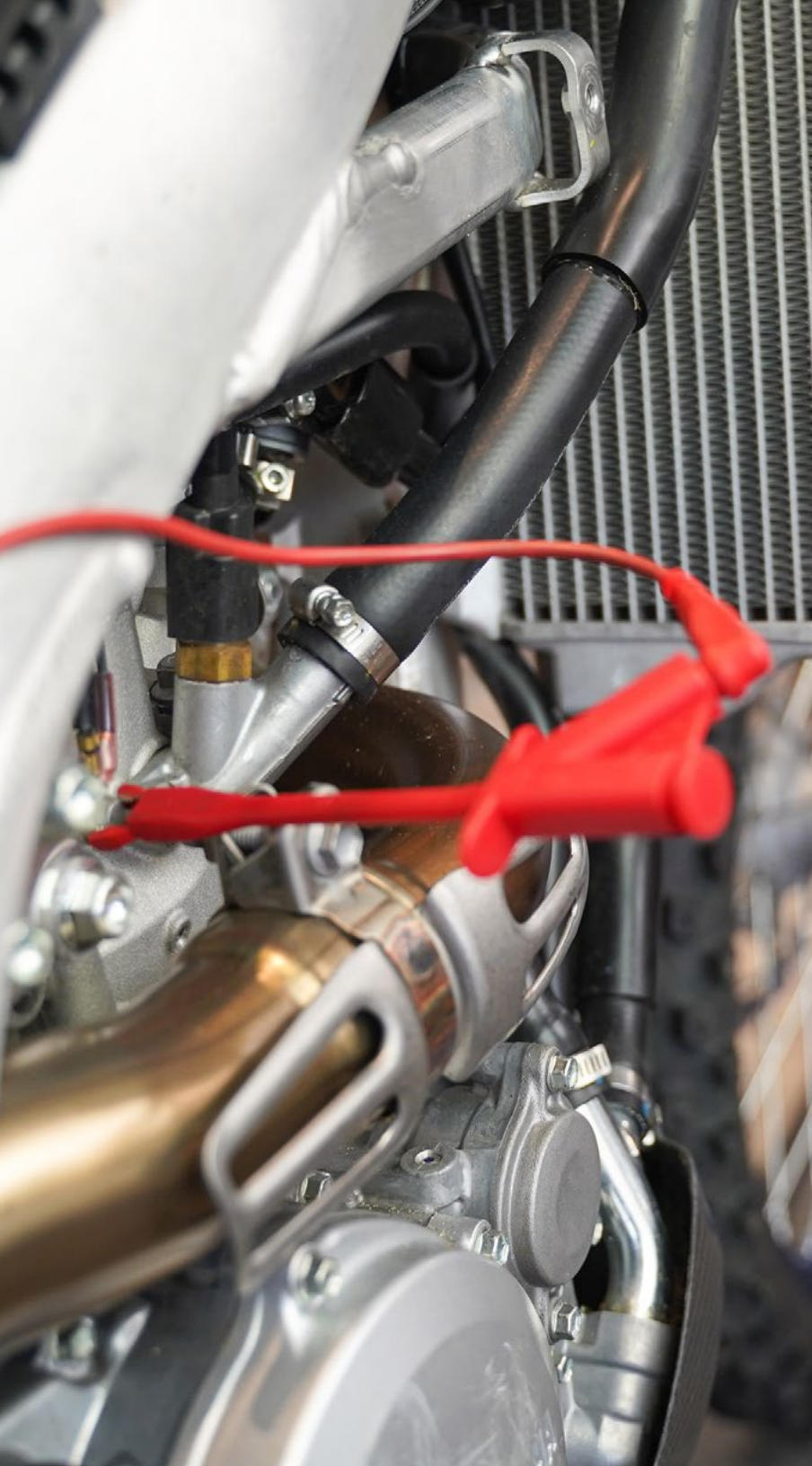
Start by removing seat, air box cover or side number plates and shroud. Remove everything necessary in order to mount your new SOS in a safe and protected spot.

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 next to the battery. On the YZ 250F / 450F there is a small connector just behind the right shroud, that's a good spot to install your wires or you can go back to the battery area and grab the trigger wire there. Your trigger wire on the 2020-2021 YZ 250-450F's is the BLUE wire so that's where you will attach the EZ connector for the trigger wire. Once you have done that, as well as attached the ground you are done.

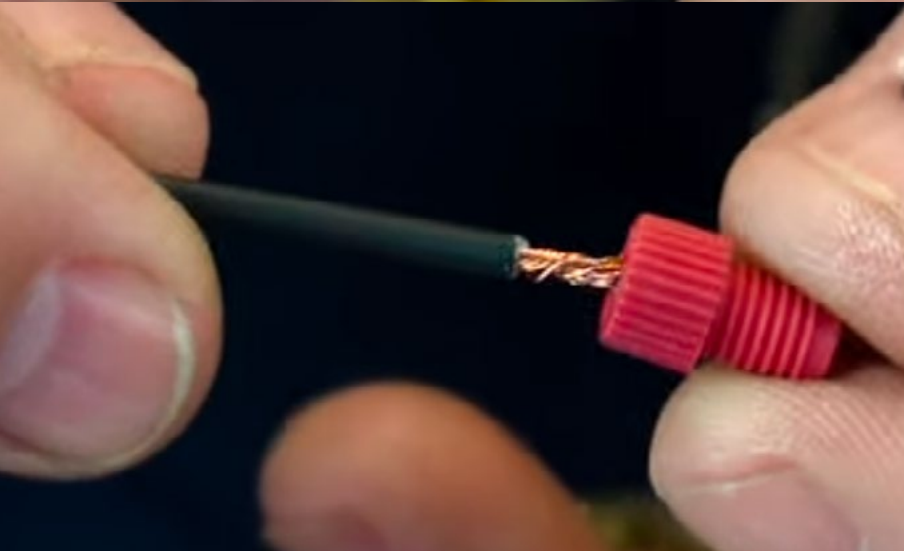
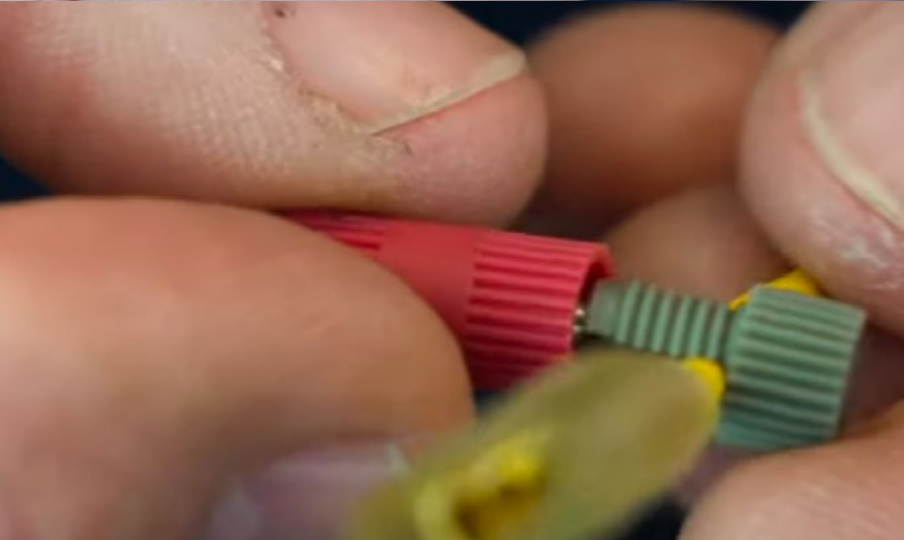
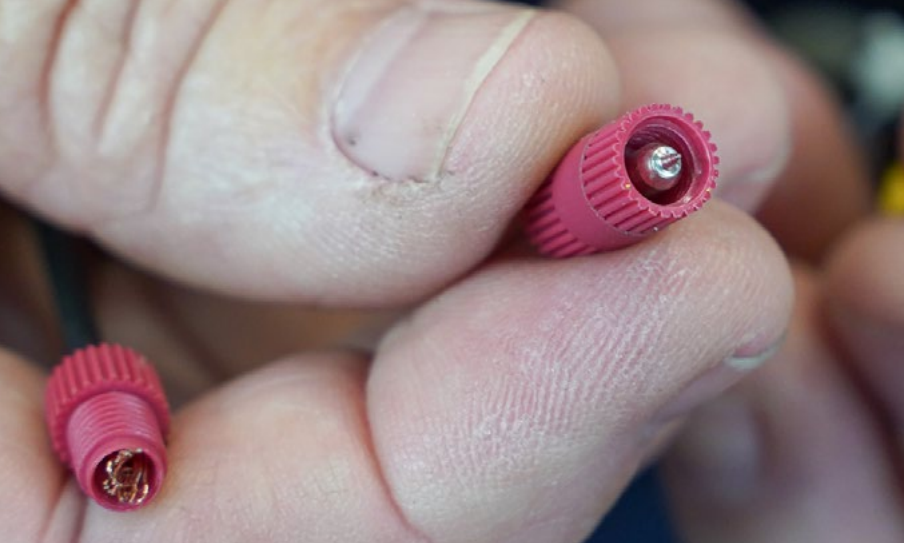




STEP 4

GROUND SCREW

The next step is to locate a good ground connection for the loop ended wire of the SOS. Multiple spots can be used as a ground on your bike, any bolt that is on the motor or frame and not separated by a rubber washer will work. Most bikes have such a bolt under the tank or on the motor, you will see other Ground wires connected to it just add the SOS ground there. On the YZ 250F / 450F, we have chosen the ground screw on right side of the cylinder. You can always attach the ground to the negative side of the battery as well.



STEP 5

EZ-CONNECT

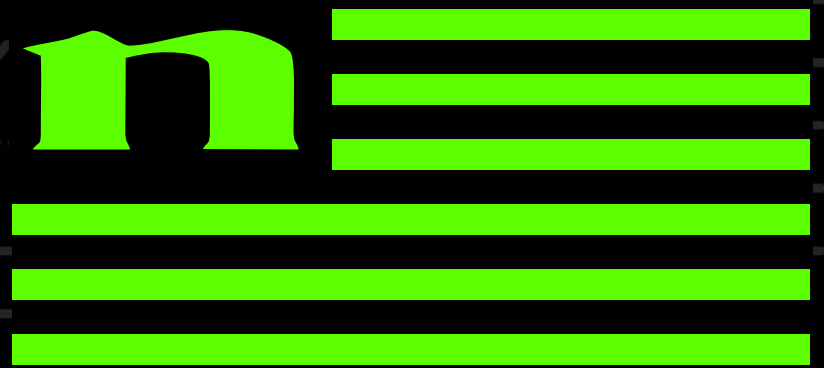
The EZ-Connector has been used on motorcycles for many years and is a proven way to add electrical accessories to your bike. One side has a gray screw tip, and it has a slot on the inside that will slide over the wire. Start with the gray side and slide the slot over the wire you are connecting to. Then 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.



nihilo
CONCEPTS

SCS

NEVER STRANDED



MADE IN THE USA