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Installation Instructions 12-20-20
Model SF3-PLK4SP
F3 & F3S MODELS

Steps needed to install your “F3 Performance” Audio system **DO NOT USE IMPACT DRILL ON BOLTS OR NUTS.**

(Stainless Steel Hardware is Softer Metal and can strip the threads.)

You must use lubricant on bolts and nuts to prevent galling. Minimum WD40, preferably Anti-Seize Stainless Steel Lubricant MRO 1000



Complete Kit shown above.

Knowledge of Audio Systems and Wiring is required to install this system.

This Kit comes with all hardware in separate bags for each section along extra butt connectors as needed
1.- First remove the upper left access panel shown on the left photo below. Then remove the main side panel removing the 4 screws on the lower front of the panel and on the rear panel shown on the right photo below.



2.-Once the upper panel and the left main side panel are removed the upper panel is where the main wiring harness for the audio system will be routed and the Led light controller for the speakers will be located. Take the main harness with the end that connects to the amp unit that mounts in the front trunk fold the wires over and tape down temporarily and fish it down through this space to come out as shown on the location below.



Remove this access upper panel.

Main Harness will come out in this location.

3.- Next remove the front plastic front trunk box. Remove the 4 push pins and then the plastic panel located at the top of the trunk under the head lights. This unit just pops off. When removed is where the main harness comes through from the upper panel shown in the photo above. Once the front trunk bin is removed measure up from the bottom of the trunk centered 3-1/2" and drill a 7/8" hole using a hole saw of Forstner bit. This is where the main harness will come through the bin. The 12-volt main power wire and ground hooks direct to battery which you will see once the trunk bin is removed.

This sound system is controlled by the upper switch on the docking station so the system can be played at all times.

Then run the main harness through the supplied grommet in the 7/8" hole that you drilled. You will need just enough wire through the trunk bin to hook to the amp unit.

Then the wires from the amp unit are connected to the main wiring harness making sure to match up each wire to its harness wire as labeled. Each wire is marked so you can see each wires location. Then connect each with the supplied butt connectors. Excess wire from the harness can be stored behind the trunk above the battery location etc.

4. Next take the amp unit and mount it to the trunk bin as shown. Using the Amp hole locations, drill 3/16" holes for the (4) #8 screws / washers and then the locknuts / washers on the back side. Bolt the amp to the Bin as shown below.



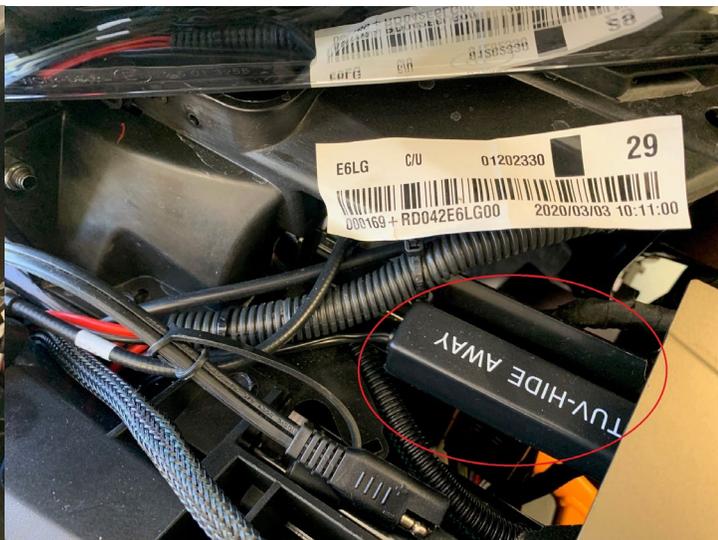
5.- This kit comes complete with the FM Antenna and a Satellite Radio Module that plugs into the back of the amp unit. The Polk Head unit on the Docking station will know when the module is plugged in. Like any Satellite Radio you will need to have a Subscription.

The Satellite Radio module mounts next to the left Amp unit shown below in red. You will use the supplied double back tape to mount it as shown. The Satellite Radio antenna mounts as shown below.

The Fm Radio Antenna will be mounted as shown below right photo. You will stick it to the frame as shown. This Antenna is designed to be hidden and works very well.



Satellite Radio Module location.



FM Radio Antenna Location

The Satellite Radio antenna mounts as shown below.



6.-The front Speakers have a left and right-side mounting bracket and a support bracket that bolts to the speaker mounting bracket and the windshield side bolts. You will remove your factory windshield side bolts and install each side the spacer then the new support bracket then the new supplied socket head bolt.

Remove the 3 factory screws that hold down the plastic panel below. Remove the plastic panel as shown below on the right photo and to run the speaker wire to the upper panel area by lifting up this section to allow the wire to be run under the main mount area as shown. Once the wire is run then snap this section back down in place.



To install the Front Speakers to the mounting bracket, take the two plastic spacers and in this photo below we show the speakers tilted upwards. Then take the two 5/16" socket head bolts and washers and tighten down the speaker, spacers and the metal mounting bracket. Do this for all 4 speakers. The front brackets have a support bracket that mounts to the speaker bracket and to the side windshield mount bracket to secure the speaker mounting bracket as shown below on right photo. Use the supplied new bolts as shown below to secure the mounting bracket to the Spyder by replacing existing factory bolts. Run the Right front speaker wire under and area below the handlebars. You will need to remove the Upper Right Access Panel too.



Mounting Speakers to brackets

Installed Right Side Front Speaker

Front Speaker Support Bracket

7.- Install the control docking station on the steering. Remove the two top Socket Head bolts on the handlebar mount. Do not loosen the lower bolts. Take the supplied two spacers and insert them on the handlebar mount then the docking station with the two new socket head bolts and washers. Tighten down both bolts. Run the switch #1 wire on the left that controls the power of the entire system, the docking station power wire, the #2 switch on the right wire that controls the Stinger Controller and the Polk Head unit cable down next to the wires around the steering column to be located in the open area under the upper panel where the main cable to amp was run from.

The main harness has a flip lever power, ground and switched control blocks. The main #1 switch power connects to the 12-power block. Lift the flip lever, insert the wire, close the lever. Make sure the wire is secured in the block. Do the same for the Black ground wire block. The switch control wire from #1 switch to plug into the switch control block as shown below. The 4-lever block has the red power wire already that goes to the amp unit shown below to run that unit. Plug the #1 switched white labeled wire into control block. This switch now controls the wires plugged into that block. Then take the #2 switch wire that controls the led Stinger control model, red plugs into the switched model that the #1 white wire is attached. Black to ground block and white goes to the Stinger blue wire by butt connector.

The Stinger red wire is a constant 12-volt wire that plugs into the 12-volt battery block and the black connects to the ground block. The Stringer unit is located under the left upper access panel too for east access.



12 Volt Docking Station

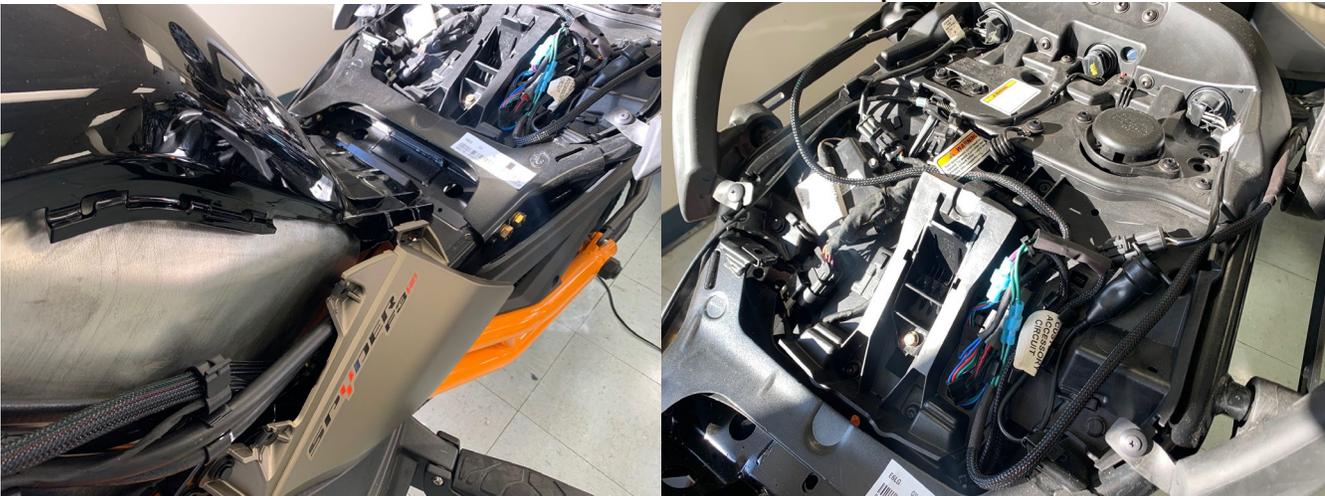


12 volt switched lever block

#1 switch wires from switch

#2 switch Wires to control Stinger LED

8.-The rear portion of the wiring harness will run to the rear area under the passenger seat. Remove the driver and passenger seat. Remove the passenger seat first to allow access to the driver seat rear to mounting bolts. Once both seats are removed it will look like the photos below.



9.- Run the rear portion of the wiring harness along the side of the gas tank wiring existing harness behind the panel shown above. Once the left and right rear speaker connection cable are under the passenger seat area the next step will be to add the speakers. The rear speakers are mounted on a custom-made mounting bracket. There

is a left and right bracket. They only fit one way as shown below. In the photo below the rear speakers are shown with the plastic spacer blocks allowing the speaker to tilt backwards. You can reverse those or one to adjust the tilt of each speaker.

To install each rear speaker bracket you will remove the 2 bolts each side that hold the passenger grab bar on. Be sure to not drop the metal washer on the backside of the grab bar each hole.

Take the speaker mounting bracket with the new spacers and bolts and install the spacer each hole first then the bracket and then the new bolt. Once both bolts are installed tighten down. Do not over tighten. Do the same for the other side.

The rear speaker wires can now be wire tied down with the supplied small ties to make sure they are tied down to the existing factory harnesses where wires are out of the way of the passenger seat once installed. The rear speaker cable plugs into the mating plug for that speaker. Make sure these are connected and tight.



10.- Once all speakers are installed and secured to your Spyder Turn on Switch #1 on the left on your docking station to test your system. At this point all should be installed, amp in the trunk secured with all wires connected including the power and ground wires to the battery, satellite radio model installed and both antennas.

Turn on you Polk head unit. Once on you control the power of that unit by the #1 power switch on the docking station in the future. The Polk head unit has many options including Bluetooth, Fm/AM radio with Weather as well.

Please see Polk owner's manual for all details and operation.

The Stinger unit is controlled by EZ LED app you download. The app automatically detects your Module and connects. The Polk Head unit can be controlled by the Ultramarine app. Follow instruction for Bluetooth setup for this app.

This LED control model has endless lighting and effect controls. You can even allow your music to control the lights. See the app for setting this up.

Reinstall all panels as you removed them and use the supplied wire ties to tie up all loose wires etc.

Your New F3 "SE Performance" Audio System is now Installed.

Polk Head Units and Amp Specifications.

Features of the Polk UMC1 marine audio system include: • 2.8" color TFT display • AM/FM US/EURO Tuner with 30 Presets (12 AM, 18 FM) • USB Playback of MP3 and WMA files • Bluetooth (Supports A2DP & AVRCP) • APP Ready • Weatherband Tuner with Alerts • Mute • Electronic Bass, Treble, Subwoofer, Balance and Fader Controls • Output Power 50W x 4 • Wired Remote Control Ready (optional PRC100BC, PRC200BC) • 4-Channel Pre-amp Line Level Outputs (Front & Rear RCA) • Auxiliary Audio Input (RCA)

Speaker System 4 Units

Frequency Response (Hz)

35-21k

Woofers (in, cm)

6-1/2, 16

Tweeter (in, cm)

3/4, 2

Peak Power (watts, per ANSI/CTA-2031-A)

195

Sensitivity (1W, 1m)

90

LED Lighting

Yes





We thank you for purchasing one of our F3 Audio System Kits. Today we know the need for accessories that provide a higher level of comfort while riding and we have solved that demand with a stylish system that compliments the design of your Spyder!

Spyderextras.com