



PSFSS - Catalog and Instructions

Features

Torque Limiting or Traditional Function for the eStop.

Adds an eStop to the Fanatec DD1, Replaces the original eStop on the DD2.

Real Structural 3K Carbon (shown - PSFSS) or Matte Black G10 finish (PSFSSlc).
(Produced in the US)

3D Printed interior structure for solid feel.

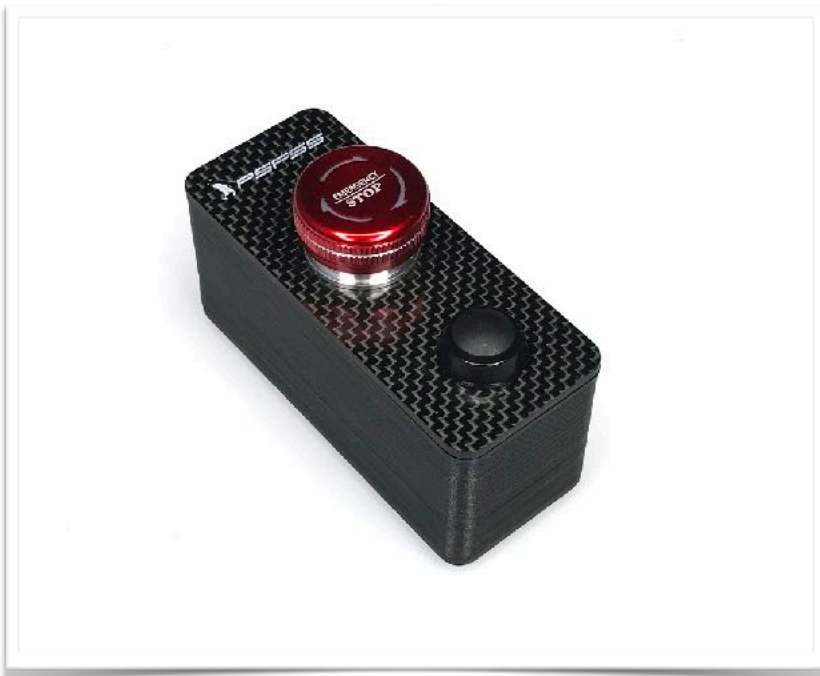
Integrated power button and LED power indicator .

Designed to complement 80/20 40mm profile.

Compatible with Fanatec's Firmware implemented power button Torque off setting.

Options

80/20 Mounting plate option allow the PSFSS unit to be mounted cleanly to a 40mm (or other) 80/20 profile.
(PSFSS_ms & PSFSS_mf)



DD1/DD2 Safety Switch

(PSFSS & PSFSSlc)

The PSFSS Safety Switch unit was designed to allow for a more traditional eStop function to the Fanatec DD1/DD2 Direct Drive wheelbases. Traditionally the DD1/DD2 turns itself completely off when the eStop is pressed. While the traditional functionality is retained on the PSFSS it also has a mode where the eStop button will trigger the power limiting function of the Torque Key instead of completely turning the power off to the wheelbase. This change will allow you to temporarily reduce the power allowing you to regain control of the wheel and possibly not remove yourself from a race.



Instructions...



PSFSS (PSFSS, PSFSSlc)

Connecting the PSFSS Safety Switch:

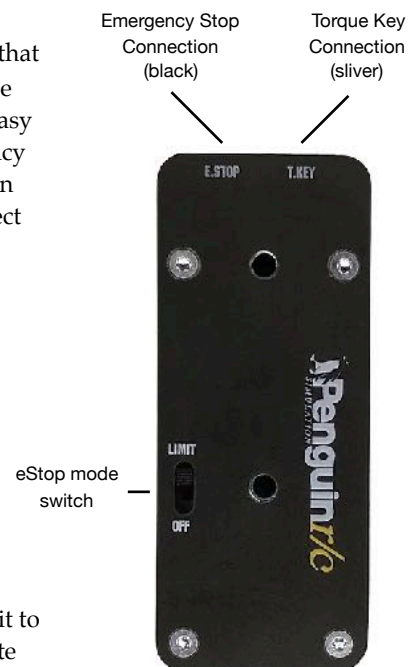
The PSFSS units connect to your DD1/DD2 wheelbase through use of 2 x RJ11 cables that are supplied with the unit. BOTH of these cables must be connected to your wheelbase or the PSFSS will not function properly. The two included cables are color coded for easy identification when hooking them up. The Black cable is intended to for the “emergency stop” connection and the Silver cable is intended for the “torque key” connection. Run both cables together from the PSFSS location to the back of your wheelbase and connect them to the appropriate locations on the back of your DD1/DD2. The original Torque Key will no longer be used, store in a safe place where it will not be lost.

Note: Fanatec DD1/DD2 RJ11 Connections. (from left to right)

- Emergency Stop - Top Row / Second from left.
- Torque Key - Top Row / Third from left

Setting the eStop Mode:

On the back of the PSFSS there is a small opening with a switch. The setting of this switch controls the mode of the eStop operation. “LIMIT” (default setting) sets the unit to trigger torque limiting when the eStop button is pressed. “OFF” sets the unit to operate traditionally by turning the wheelbase completely off when the eStop is pressed.



PSFSS (PSFSS, PSFSSlc)

continued...

Using the PSFSS:

The Power Button:

The Black Button on the unit is the power button. This momentary button works exactly like the power button on the rear of the DD1 / DD2 wheelbases. A short press will turn on the unit and holding the power button will shut the wheelbase off. In later firmware releases > 344 from Fanatec the power button will also function as a complete torque off switch with a short press.

The Emergency Stop Button:

The Large Red button is the Emergency Stop. This is a locking switch and when pressed will remain off until the switch is turned to release the contact and then return to normal operation. This switch follows the mode (Limited or Off) that the PSFSS is set to function with through the switch on the rear of the unit.



Troubleshooting:

If your DD1/2 clicks while trying to power up your wheelbase make sure the the eStop is not enabled (pressed). This is normal action for the eStop when in "OFF" mode. If it continues to do so please check your connections from the PSFSS to make sure that the correct connections are made. If you have any further issues please contact use for support.

Notes:

Fanatec Torque Off Mode - In the Firmware Version BETA 344 and beyond the function of the power button has allowed for a torque off mode when pressed. Though it only takes a slight press on the power button to trigger the mode it is suggested that you hold the button for at least a quarter second for the wheelbase to positively recognize your intended action as the buttons used on the PSFSS are more sensitive than the normal Fanatec Kill Switch. The Power button still requires a press of approx 1 second to initiate shutdown.

Dimensions and Mounting - M37.75 x M91 x M39 (*button height not included*)
Integrated M5 Mounting locations on centerline (*length*) M40 apart.

PSFSS Options:

PSFSS_ms and mf - Mounting Kits - The PSFSS mounting kits allow you to mount the PSFSS to a 40mm 80/20 profile in a clean manner. Included in the kit is a plate with holes drilled for M5 and M6 screws. The two included M5 screws use the M5 holes to attach the PSFSS to the plate. You will need 2x M6 Screws and "T" nuts to complete the mounting of the PSFSS to your profile. The PSFSS_ms allows for mounting on either side of the profile by flipping the mounting plate while the PSFSS_mf kit is designed to allow mounting to the front of the 80/20 profile.





About, Contact, and Customs Information...

Contact Information

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Catalog Notes

Pricing - There are no prices in this catalog. Current pricing can be found on our website along with further information.

Ordering - Throughout this catalog there are "Visit our website..." links that will open up the ordering page for the items in this catalog.

Questions - Feel free to email us at any time.

About us...

Penguin r/c was opened in April of 1997 with the intent of creating the best products that could be made for reasonable prices. Originally we started business focusing on aftermarket parts and chassis upgrades for high performance remote control vehicles, pinpointing the areas where existing cars could be made to perform beyond their original design. Penguin r/c made a name for itself by achieving this goal through products where the additional performance gained far outweighed the cost of the parts. Having racked up a couple of championships and a good name in the market place we slowly transitioned into becoming a more involved OEM supplier for other manufactures in the r/c industry and other industries. We still sell and support our r/c products to this day and will continue to do so with every product we produce. In 2010 we started manufacturing parts for a high-end simulation company and found a renewed love for racing in the form of iRacing and Simulation equipment. In 2018 we decided that we could bring our expertise in manufacturing and design to the Simulation products market and started researching and designing what you see today. We hope to bring the same values and customer support to the simulation marketplace as we have for years as an OEM manufacturer and part supplier to the r/c industry.

Custom Designs...

Penguin r/c is capable of Custom Manufacturing and Design of prototype and production parts for individuals and companies. Most of our manufacturing is done in-house which allows us significant control over the quality and assembly of parts we manufacture and allows us to make prototypes that have the quality and durability of production pieces. If you have anything that you would like to produce please feel free to contact us about the possible product.