



Instruction Sheet

Kit-M Installation

The Mission Kit-M is a momentary switch kit for the Mission SP-1 and SP1-R Expression Pedals. By default the SP-1 and SP1-R are fitted with latching toe switches. A latching switch 'latches' into one position or the other when pressed. Pressing the switch again latches the switch into the other position. A momentary switch holds the switch in one position as long as the switch is held down, and then reverts to the other position as soon as it is released. Some devices such as the Liquid Foot and Line 6 UX8 require a momentary switch on the expression pedal input. Kit-M allows a user to replace a latching switch in a SP-1 or SP1-R with a momentary switch.

The switch comes pre-wired to a replacement TRS jack so that no soldering is required. Tools required are a Philips screwdriver, an adjustable wrench, and a pair of wire cutters or sharp scissors for cutting the cable ties.

To install the kit, turn the pedal upside down, place on a flat surface, and remove the base plate by unscrewing the 4 Philips screws holding the rubber feet. Using wire cutters or sharp pointed scissors, and being careful not to damage the insulation, clip the two cable ties securing the wire bundle. Using an adjustable wrench, loosen and remove the nuts and washers securing the switch out jack and the toe switch, and remove the switch assembly from the chassis. Be careful not to damage the paintwork with the wrench. Retain the double density nut and washer from the toe switch, as you will need these to install the new switch.

Insert the new TRS jack into the switch out opening and secure with the washer and nut. Remove the nuts and washers from the shaft of the momentary switch. The exact combination of nuts and spacers required depends on the particular pedal, and if you prefer a hard or soft press on the pedal to activate the switch. First try with a single spring washer on the shaft and insert into the switch opening. Secure the switch with the double density washer and nut and hand tighten. Try out the pedal to see if the switch action is correct. If the switch operates too early or with too little pressure, remove and reinstall the switch using an additional nut or spacer and re-test until the switch action is suitable. Then tighten down the double density nut, and tie the wire bundle with the ties provided. Snip off the cable tie ends and replace the base plate and 4 rubber feet. Only tighten the screws tight enough to secure the feet flat against the base plate and stop them from turning freely. Over tightening the screws can cause the screw heads to pass through the rubber feet.

Connect the switch out to the controller using a stereo (TRS) cable, and calibrate if necessary according to the instructions for your particular controller.