



Instruction Sheet

Kit-A Assembly

The Mission Kit-A provides the parts necessary to convert a Dunlop Crybaby or similar pedal into an expression pedal. The following instructions detail the steps for installing the parts.

Step 1.

Unscrew and remove the four rubber feet and the base plate from the pedal chassis. Unscrew and remove any existing circuit board, jacks, potentiometer, switch, battery or other components so that you are left with the empty pedal chassis. The black plastic rack and white plastic tension adjust should be retained.

Step 2.

Solder one end of each of three long hookup wires provided to the new potentiometer. The wiring should be as follows:

Green wire - CCW
Red wire - SL
Black wire - CW

Install the new potentiometer into the slot so that the gear wheel is able to engage with the rack on the pedal. The spring washer should be on the potentiometer side, the flat washer and nut should be on the gear wheel side. Make sure the potentiometer is installed straight and is tight.

Step 3

Solder one end each of the remaining 3 long hookup wires to the latching switch. The wiring should be as follows

Pin 1 - Green wire
Pin 2 - Red wire
Pin 3 - Black wire



Install the switch into the mounting hole at the front of the pedal. Use one spring washer between the switch and the underside of the pedal. Use the double density washer and nut on the top of the pedal. Do not over tighten the nut as the switch can be easily damaged by overtightening. Test the switch to see if it can be activated by pushing down on the

pedal. It may be necessary to use the additional white plastic washer on the underside of the switch if the switch sits too high and activates too early. If the switch sits too low and does not activate, use the additional felt pad provided in the kit.

Step 4.

Install the two insulated TRS jacks provided into the two mounting holes on the left and right of the pedal chassis. If your pedal chassis has an additional access hole for a power jack, this can be plugged with a plastic hole plug. No additional power is required for the expression pedal.

Choose which of the jacks you would like to be your pedal out. Solder the 3 ends of the hook up wire from the potentiometer to the jack. For 'Normal' polarity wiring wire as follows:

Green wire - CCW - Ring
 Red Wire - SL - Tip
 Black wire - CW - Sleeve

This wiring suits most expression pedal inputs such as Line 6, Electro Harmonix, Fractal Audio, Boss, etc,

For 'reversed polarity wiring, wire as follows:

Green wire - CCW - Tip
 Red Wire - SL - Ring
 Black Wire - CW - Sleeve

Some devices such as Rocktron Midimate and Axess Electronics FX-1 require reversed polarity.

Step 5.

Solder the 3 ends of the hook up wire from the switch to the remaining jack as follows:

Green wire - Pin 1 - Ring
 Red wire - Pin 2 - Tip
 Black wire - Pin 3 - sleeve

Step 6.

Wiring of your expression pedal is complete. Before testing, double check the wiring to make sure the connections are correct. To calibrate the potentiometer, follow the instructions in the Mission Instruction Sheet: Potentiometer Calibration. Plug in the pedal to your processor using stereo (TRS) ¼" instrument cables and follow the instructions for setting up an expression pedal on your particular device.

Re-install the base plate and rubber feet.