

Viewing R3 as shown in Fig. 5, connect the center and right terminals of the potentiometer together and solder them to one of the two inner conductors of the shielded microphone cable. Then solder the remaining conductor to the free (left) terminal of R3. Solder the shield of the microphone cable to the metal case of R3, taking precautions not to damage the potentiometer or the cable from too much heat.

Continue by connecting the other end of the microphone cable

PARTS LIST FOR THE GUITAR DISTORTION PEDAL

SEMICONDUCTORS

IC1—LF353 dual JFET-input op-amp, integrated circuit

D1, D2—1N4148 general-purpose, low-power, switching diode

RESISTORS

(All resistors are 1/4-watt, 5% units, unless otherwise noted.)

R1, R2, R4, R6, R7, R12, R13—10,000-ohm

R3, R9—500,000-ohm, panel-mount potentiometer

R5, R14—100,000-ohm, panel-mount potentiometer

R8, R10—4700-ohm

R11—270-ohm

R15—1000-ohm

CAPACITORS

C1—0.1- μ F, polyester

C2—82-pF, ceramic-disc (see text)

C3, C4—0.047- μ F, polyester

C5—0.0047- μ F, polyester

C6—1- μ F, 50-WVDC, electrolytic

C7—100- μ F, 16-WVDC, electrolytic

C8, C10—0.01- μ F, ceramic disc

C9—10- μ F, 50 volts, electrolytic

ADDITIONAL PARTS AND MATERIALS

J1, J2—Monophonic, panel-mount, phone jack

S1—SPST switch

S2—DPDT pushbutton switch

B1—9-volt battery

Printed-circuit materials, 9-volt-battery connector, IC socket, two-conductor shielded microphone cable, case, solder, hardware, cable, knobs, cap for pushbutton switch, etc.

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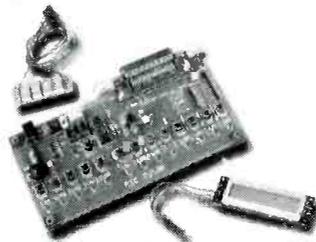
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