

This Information Is Provided By
CBTricks.com

Pace P5804A Owner's Manual

Liability of damages to any equipment is the sole responsibility of the user! Downloading, viewing, or using any information provided on these pages automatically accepts the user to the terms of this agreement!

Modifications are provided for information purposes only!

Supporters of CBTricks.com paid for the hosting so you would have this file.

CBTricks.com is a non-commercial personal website was created to help promote the exchange of service, modification, technically oriented information, and historical information aimed at the Citizens Band, GMRS (CB "A" Band), MURS, Amateur Radios and RF Amps.

CBTricks.com is not sponsored by or connected to any Retailer, Radio, Antenna Manufacturer or Amp Manufacturer, or affiliated with any site links shown in the links database. The use of product or company names on my web site is not endorsement of that product or company.

The site is supported with donations from users, friends and selling of the Site Supporters DVD's to cover some of the costs of having this website on the Internet instead of relying on banner ads, pop-up ads, commercial links, etc. Thus I do not accept advertising banners or pop-up/pop-under advertising or other marketing/sales links or gimmicks on my website.

ALL the money from donations is used for CBTricks.com I didn't do all the work to make money (I have a day job). This work was not done for someone else to make money also, for example the ebay CD sellers.

All Trademarks, Logos, and Brand Names are the property of their respective owners.

This information is not provided by, or affiliated in any way with any radio or antenna Manufacturers.

Thank you for any support you can give.

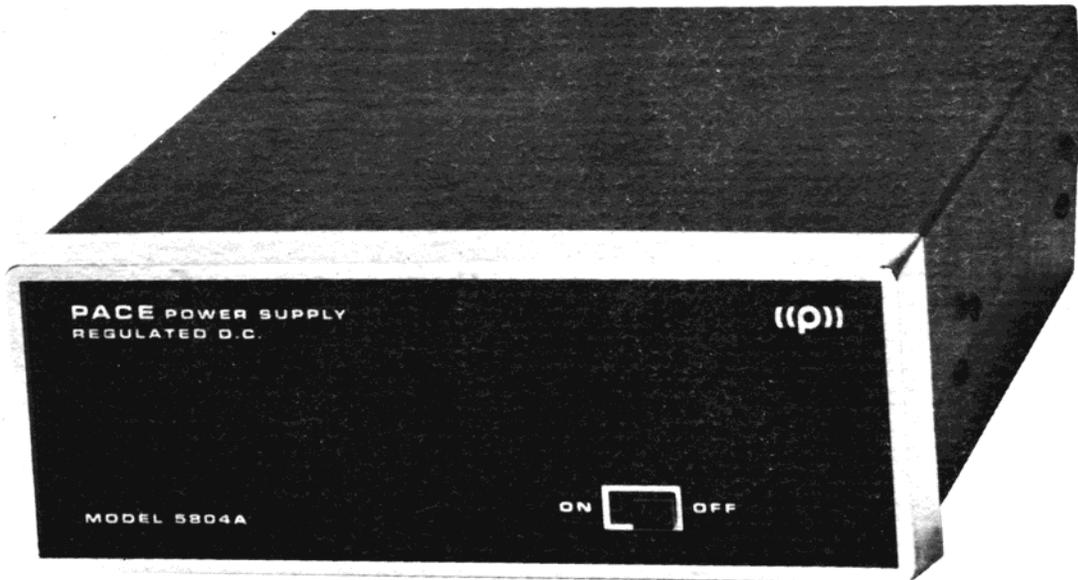
For information on how to Support CBTricks.com

<http://www.cbtricks.com/support/>

((p))

OWNERS MANUAL

**PACE P5804A
POWER SUPPLY**



PACE COMMUNICATIONS

DIVISION OF PATHCOM INC.

24049 S. FRAMPTON AVE. HARBOR CITY, CALIF. 90710

LIMITED WARRANTY

PACE Communications, a division of PATHCOM Inc., warrants each new radio product to be free from defects in material and workmanship, and if it is found to be defective within 90 days from date of user purchase, the factory will either, at its discretion, repair or replace it, provided the unit is delivered by the owner to the factory intact for examination with shipping charges prepaid and provided that such examination discloses, in the factory's judgement, that it is defective under warranty. This warranty does not apply if the unit has been subjected to physical abuse, improper installation or unauthorized modifications. This warranty does not apply to carrying cases, covers, or other dress parts and is in lieu of all other warranties expressed or implied. To place warranty in effect, the unit must be warranty registered with the factory at the address listed on the front cover within 10 days from the date of purchase.

Congratulations!

You have now joined the proud family of PACE Communications equipment owners.

Your PACE Model P5804A Power Supply embodies the latest in solid state techniques. It is manufactured in the United States, using only high-grade electronic components to ensure maximum efficiency consistent with trouble-free performance.

The PACE P5804A Power Supply provides a low voltage DC power source which may be used with any 5 watt communications transceiver for base station operation or for servicing. It is filtered and regulated, using both AC and DC fuse protection.

TECHNICAL SPECIFICATIONS

Input Voltage	105 to 130 V AC 50-60 Hz
Output Voltage	Factory set at 13.8 V DC (Internally adjustable from 11 to 15 volts)
Output Current	2 amperes regulated; 3 amperes maximum
Regulation (115 V AC) (No Load - Full Load) ...	0.5 % maximum
Ripple (115 V AC) (Full Load)002 volts maximum
Fuses - AC	1 amp (3AG)
DC	4 amps (3AG)

RECEIVING INSPECTION

The Model P5804A is fully assembled and operationally checked prior to shipment from the factory. All units are individually packaged in accordance with standard practices for electronic equipment. Every precaution is taken to insure that each transceiver leaving the factory is complete and ready for installation. However, it is recommended that each unit be inspected upon receipt for in-transit damage.

Inspect the shipping container for evidence of in-transit damage (such as being dropped, crushed, or punctured) before opening the container. If damage is evident, contact the carrier and the manufacturer immediately specifying the nature and extent of the damage. Open the shipping container and remove the contents only if there is no apparent shipping damage. Check the items removed from the container to verify the contents. If a packing shortage is evident, contact your dealer immediately.

The following items are contained in the package:

1. The Power Supply.
2. A set of four glides.
3. Owners Manual.

MOUNTING SUGGESTIONS

The Model P5804A Power Supply can be mounted in any position without affecting its performance.

When used in conjunction with a communications transceiver, it should be placed in close proximity to the transceiver. Select a suitable desk or shelf position keeping the following in mind:

- All controls must be convenient and visible.
- Neither unit should be in the way of heater ducts, air-conditioning outlets, or direct blast air inlets.
- Both units should be protected from dust or toxic fumes.

To conserve space, the power supply may be placed on top of the transceiver. For proper alignment of the front panels, the glides should be attached to the bottom cover of the P5804A.

INSTALLATION

After the units have been mounted in the desired position, proceed as follows:

1. Set the power switch on the P5804A power supply to the OFF position.
2. Connect the positive and negative leads, from the transceiver, to the appropriate terminals on the rear terminal strip of the P5804A (red lead to +).
3. Connect the AC line cord from the P5804A to any convenient 105 to 130 volts AC, 60 Hz outlet.

OPERATION

Set the power switch on the P5804A to ON and observe that the pilot light is on.

The P5804A will now supply 13.8 volts DC with a maximum of 2 amperes (regulated) to a transceiver or some other external load. For base station operation, the P5804A power switch can be used to control the transceiver by leaving the transceiver's power switch ON.

MAINTENANCE

No maintenance is required on the PACE P5804A other than to give it the care and treatment accorded any quality electronic equipment. The interior can be blown out occasionally with a low pressure air hose or vacuum cleaner. To remove excessive soil on the interior, clean carefully with a soft brush and alcohol and then dry thoroughly before operating.

In the event difficulty occurs, a qualified serviceman with proper instrumentation and service procedures should be engaged. An authorized PACE dealer or the factory can perform any service work.

Disassembly

Access to all electrical components is achieved by removing the top cover. Remove the four screws (2 on either side) from the top cover. Then, raise the cover slightly at the rear and slide the cover out.

CAUTION

There are hazardous voltages present when the case is removed. Be sure the AC line cord is unplugged from the source when replacing fuses or disassembling the unit.

Fuse Replacement

Do not replace the fuses with any other type than originally supplied with the unit. The AC and DC fuses are located inside the power supply on the PC board. The AC fuse is on the righthand side under the protective shield (see Parts Locator).

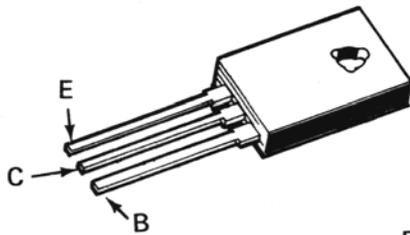
Voltage Adjustment

To adjust the P5804A DC voltage output, proceed as follows:

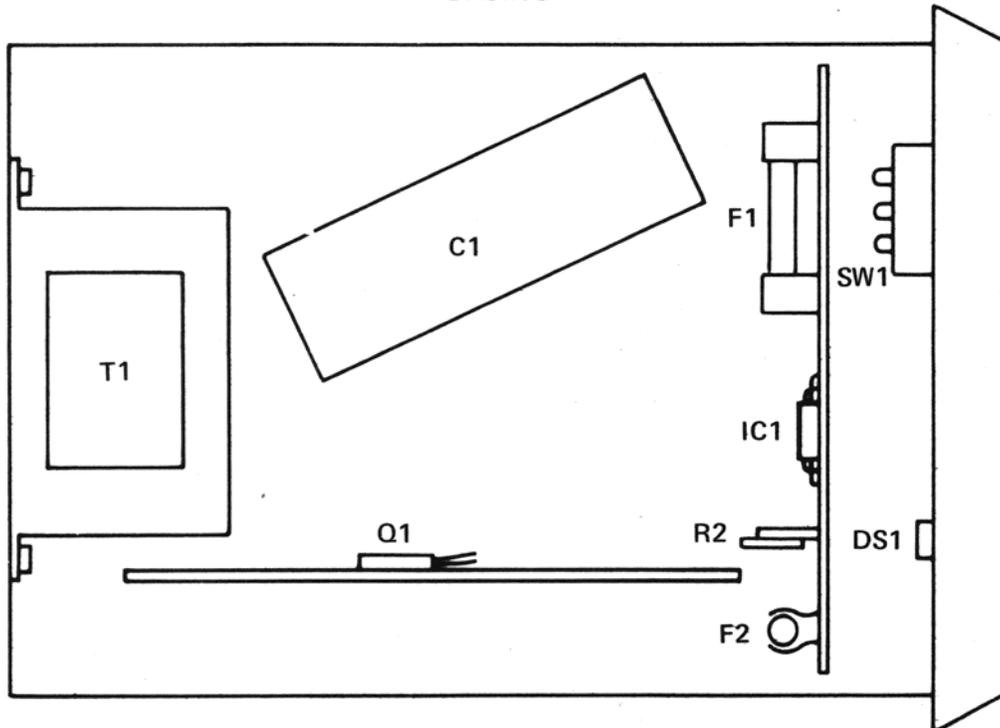
1. Make sure a proper load is connected to the DC terminal strip.
2. Connect a DC voltmeter across the terminals of the strip.
3. Rotate voltage control trimmer R2 for the desired voltage. Refer to the parts locator for the trimmer location.

PARTS LIST

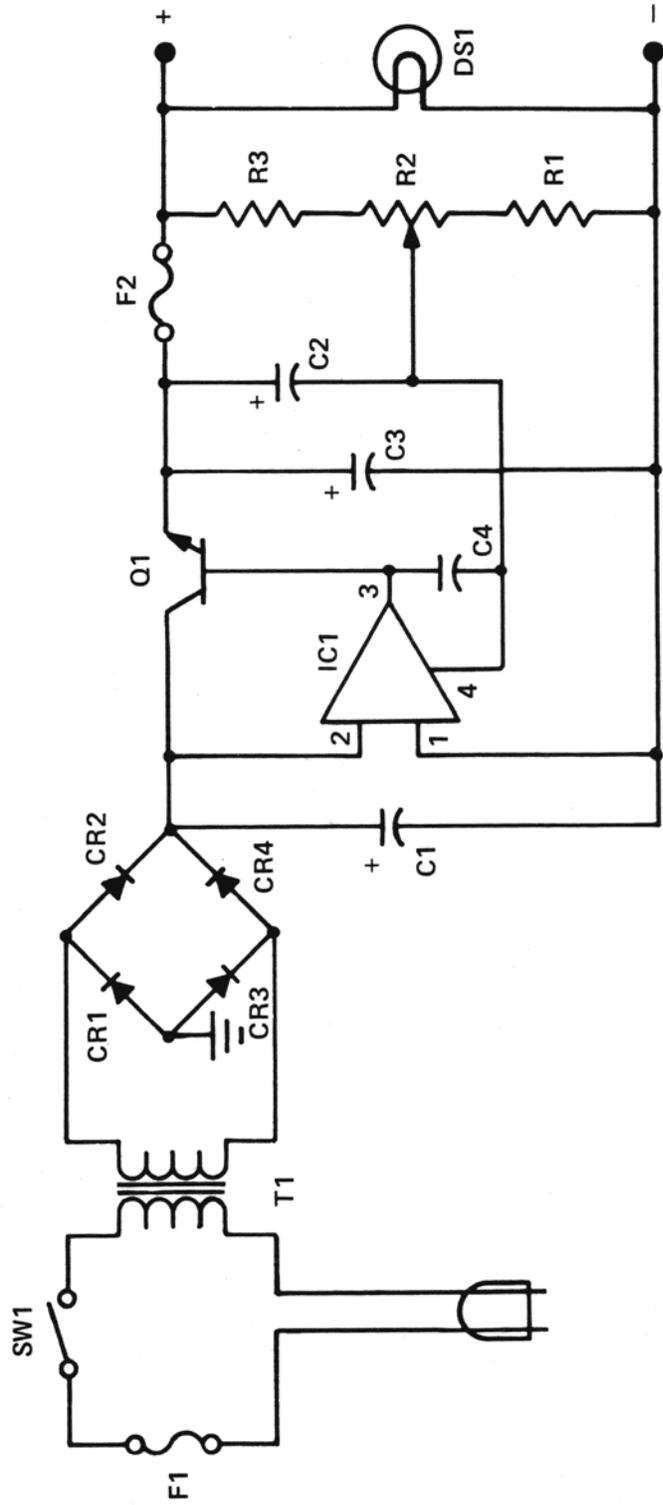
Reference Designator	Description	Part Number
C1	Capacitor, 5000 μ F 30 V	19-0058
C2	Capacitor, 50 μ F 12 V	19-0061
C3	Capacitor, 220 μ F 15 V	19-0132
C4	Capacitor, 0.005 μ F	19-0025
CR1, 2, 3, 4 ...	Diode, Rectifier, 1N4139	13-0099
DS1	Lamp	13-0019
F1	Fuse, 3AG 1A	15-0021
F2	Fuse, 3AG 4A	15-0074
IC1	Voltage Regulator	13-0098
Q1	Transistor, MJE3055	13-0097
R1	Resistor, 820 Ω $\frac{1}{2}$ W 10%	14-0009-8
R2	Resistor, Variable, 500 Ω	14-0007-1
R3	Resistor, 1.8 k Ω $\frac{1}{2}$ W 10%	14-0009-94
SW1	Switch, Slide, DPDT	15-0058
T1	Transformer, Power	16-0033



BASING



PARTS LOCATOR (TOP VIEW)



SCHEMATIC



L2043-675