

515 S-1

K515 DC1 Fan

Photo #E816

FINAL

Parts to be received in 515 S-1 Kit

- 1 ea. DC Fan Motor Assembly
- 1 ea. Selenium Rectifier Assembly

Instructions

(See photos for physical location of parts)

1. Install rectifier stack on bottom of power deck. Lugs face ceramic strip.
2. Install ground lug between rectifier and rail. Ground transformer terminal #17 to this lug.
3. Solder strap from inside rectifier lug to #5 slot of ceramic strip.
4. Solder strap from middle rectifier lug to #4 slot of ceramic strip.
5. Solder #22 solid red-white 9-2 wire to #3 slot of ceramic strip.
6. Solder #20 strap from outside top lug of rectifier to #2 notch of ceramic strip.

OVERLAY

1. Install DC1 Fan Motor same as regular.
2. Feed motor leads through regular grommet.
3. Solder motor leads to #4 and #5 slots of ceramic strip.

PANEL

1. Use special 515 S-1 panel

TEKTRONIX FIELD MODIFICATION

Modification K515-DC1

Type 515 Oscilloscope

Serial Numbers -- All

Installs dc Fan Motor

Kit K515-DC1

Tek No. 040-140

Introduction:

The K515-DC1 modification supplies a dc fan motor to enable the Type 515 Oscilloscope to operate on 50- to 800-cycle lines.

KIT LIST:

<u>Quantity</u>	<u>Description</u>	<u>Tek Number</u>
1 ea.	DC1 Fan Motor Assembly consisting of:	
	1 ea. bracket, mounting	426-049
	1 ea. motor	147-005
	4 ea. screws, BHS 6-32 x $\frac{1}{4}$	211-504
1 ea.	Selenium Rectifier assembly consisting of:	
	1 ea. rectifier assembly	106-006
	1 ea. lockwasher, #10 int.	210-010
	1 ea. nut, hex, plated, 10-32 x 5/16, steel	210-410
	1 ea. washer, #10 S	210-805
	1 ea. wire, #22 solid, white-red, 2" length	
	3 ea. wire, #18 solid, bare, 2" length	

INSTRUCTIONS:

(See the attached photos for physical location of parts)

- () 1. Unwire both fan motor leads at rear ceramic strip on under side of oscilloscope.
- () 2. Remove air filter housing.
- () 3. Remove fan motor ring and motor.
- () 4. Remove ac motor and bracket from ring and replace with new dc motor and bracket.
- () 5. Re-install ring, motor, fan blade and filter housing.
- () 6. Feed new motor leads back through the same rubber grommet from which the old leads were removed.
- () 7. Install rectifier stack on bottom of power deck, beside transformer. Use hole provided. Lugs should face ceramic strip.
- () 8. Solder strap from inside rectifier lugs and one of the new motor leads to #5 slot (from outside of ceramic strip).

- () 9. Solder strap from middle rectifier lug and the other motor lead to #4 slot (from outside of strip).
- () 10. Solder white-red lead to #3 slot (from outside of strip).
- () 11. Connect strap from outside top lug to #2 slot (from outside of strip).

