LUG	WIRE	CONNECTION
1	BLACK	PIN# 9 LOW VOLTAGE PCB
	BLACK	Pins 2&3 ON METER JACK
2	BLACK	S1 ON Front Panel
	BLACK	FROM BLOWER 87-1250-00
3	BLACK	T2 FROM LOW VOLTAGE
	BLACK	T1 FROM HIGH VOLTAGE
4	BLACK	T2 FROM LOW VOLTAGE
	BLACK	T1 FROM HIGH VOLTAGE
5	BLACK	FROM BLOWER 87-1250-00
	WHITE	LINE CORD
6	RED/ YELLOW	T2 FROM LOW VOLTAGE
	GREEN	LINE CORD

C1 C2

1 2 3 4 5 6

T1

1800VAC 500MA

BLK

117vac @10A

C2 .01µF 1KV

F1 10A

S1 POWER ON

BLK

C1 .01µF 1KV

BLOWER

BL1

Howard Industries

Part Number 3-20-1250

D1-D8 1N4007
R1-R8 470K 1/2W
C3-C10 .001µF 1KV

2200VDC No Load
1800VDC @ 500ma

JP1

B+

D1 R1 C3
D2 R2 C4
D3 R3 C5
D4 R4 C6
D5 R5 C7
D6 R6 C8
D7 R7 C9
D8 R8 C10

R12 25 10W

C11 100µF 450V
C12 100µF 450V
C13 100µF 450V

R9 150K 2W
R10 150K 2W
R11 150K 2W

BOARD #2
HIGH VOLTAGE
POWER SUPPLY PCB

82-0300-01B

INTERLOCK

R59 150K 2W

L8 10µH

C56 .005µF 3KV

82-0300-04
SAFETY
INTERLOCK PCB

TO L9
(PLATE CHOKE)

D9 R13 C14
D10 R14 C15
D11 R15 C16
D12 R16 C17
D13 R17 C18
D14 R18 C19
D15 R19 C20
D16 R20 C21

R26 25 10W

C22 100µF 450V
C23 100µF 450V
C24 100µF 450V

R21 150K 2W
R22 150K 2W
R23 150K 2W

JP2

R24 6.8 2W
R25 6.8 2W

D9-D16 1N4007
R13-R20 470K 1/2W
C14-C21 .001µF 1KV

BOARD #1
HIGH VOLTAGE
POWER SUPPLY PCB

82-0300-01B

Lethally high voltages are present inside the amplifier.
Use Caution when servicing.

T2

RED/ YELLOW

550VAC CT 100MA

6.3VAC 2.8A

D17-D24 1N4007
R27-R34 470K 1/2W
C25-C32 .001µF 1KV

D17 R27 C25
D18 R28 C26
D19 R29 C27
D20 R30 C28
D21 R31 C29
D22 R32 C30
D23 R33 C31
D24 R34 C32

R36 30 1/2W

D28 1N4001

C33 40µF 450V
C34 40µF 450V

R37 20K 10W

R38 12K 10W
R39 10K 10W

D25 1N5375 82V 5W

R35 150 1/2W

C35 .001µF 1KV

LED4

+340VDC SCREEN

TO PIN1 OF V1

TO RF INPUT AND CONTROL PCB 82-0300-03

RV1 500 2W

BIAS

+12VDC

TO S4

D26 1N4001
D27 1N4001

C36 1000µF 25V
C37 1000µF 25V

R42 680 1/2W

R40 3300 2W
R41 3300 2W

LED1 POWER ON

82-0300-03
RF INPUT AND CONTROL PCB

82-0300-02B
LOW VOLTAGE POWER SUPPLY PCB

PL4
Meter Jack

3 1 2

X X
To V1

Lethally high voltages are present inside the amplifier.
Use Caution when servicing.

NOTE: The wire colors used in this diagram are based on the Amp used to draw this diagram.
Keep in mind that the color of the wires could vary.

PRIDE DX300 POWER SUPPLY SECTION

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