

HT-37 POWER TRANSFORMER

COLOR CODE STD FOR HT-32, 32A, 32B, AND HT-37

GREEN	6.3 VAC FILAMENT
WHITE	105-125 VAC PRIMARY
BLACK	105-125 VAC PRIMARY
*WHITE/BLACK	70 TAP ON PRIMARY
GRAY	BIAS
YELLOW/RED	HIGH VOLTAGE SECONDARY CENTER TAP
YELLOW	5 VAC FILAMENT
BROWN	5 VAC FILAMENT
GRAY/RED	B+ RECTIFIER PLATES
RED	HIGH VOLTAGE RECTIFIER PLATES.

*70 Volt tape on primary is used for reduce fan motor speed in the HT-32B. It may be used in the Ht-32 and Ht-32A If noise is a problem. Otherwise it is taped up.

VOLTAGE AND RESISTANCE CHART

BLACK TO WHITE	105-125 PRIMARY	0.6 OHM
WHITE/BLACK TO WHITE	70V (FAN)	0.4 OHM
GREEN TO GREEN	6.3V	0.05 OHM
RED TO RED	1860V	220 OHM
EITHER RED TO YELLOW/RED	930V	110 OHM
GRAY/RED TO GRAY/RED	570V	34 OHM
EITHER GRAY/RED TO YELLOW/RED	285V	17 OHM
GRAY TO YELLOW/RED	145V	9 OHMS
YELLOW TO YELLOW	5V	0.03 OHMS
BROWN TO BROWN	5V	0.03 OHMS

Engineering change:

In December 1959, a change was made in the design of these transformers to eliminate a corona condition which developed in some of the units causing an internal short. All units date coded after 49th week of 1959 will have the engineering change.