

**A**

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**B**

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**C**

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**D**

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**E**

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**F**

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**G**

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**H**

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**I**

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**J**

[illegible]

A schematic diagram of a transformer. The primary winding is connected to an AC source labeled "VAC". The secondary winding has two output terminals; one is labeled "72V" and the other is labeled "0V".

The schematic shows the power supply section of the TSC-7000 receiver. It starts with a 250V AC input connected to a common ground. The AC passes through a fuse (F7) and a series resistor R4081 (47Ω, 1W). A capacitor C4047 (20V, 22μF) is connected across the line after the fuse. The main power line then splits into two parallel branches, each containing a 3.6kΩ resistor (R4084 and R4097) and a 22μF electrolytic capacitor (C4051 and C4052) in parallel. These branches lead to two identical transformer units (T4072 and T4073), which are rated at 800VA. The secondary windings of these transformers provide the following DC voltages:

- B+ (R4075):** 300V, 0.1μA
- 18V (R4076):** -18V, 0.1μA
- 50V (R4077):** -50V, 0.1μA
- 18V (R4078):** -18V, 0.1μA
- 50V (R4079):** -50V, 0.1μA

A dashed box labeled "BUF-Vin3" contains a buffer circuit consisting of a 50V, 10μF capacitor (C4044), a 3.6kΩ resistor (R4093), a 400Ω resistor (L4002), and a 50V, 45μF capacitor (C4050).