



LEGEND

BEFORE MAKING VOLTAGE CHECKS PERFORM CHECK OF 3J1 INPUT VOLTAGES.

- ①⑥ OV INDICATES F1 BLOWN. CHECK FOR SHORTED D3, D4; C7, C11; OR C8, C12.
- ②⑦ OV INDICATES OPEN D3, D4. LOW VOLTAGE INDICATES FAULTY C7, C11.
- ③⑧ IF VOLTAGE IS HIGH WITH RESPECT TO ② OR ⑦, Z1, Z3, OR R1, R4 FAULTY.
- ④⑨ IF OV Q2, Q4 OR R2, R5 FAULTY. IF OTHERWISE ABNORMAL Z2, Z4 FAULTY.
- ⑤⑩ OV OR SAME READING AS ② OR ⑦ INDICATES FAULTY Q1 OR Q3.
- ⑪ OV INDICATES F2 BLOWN
- ⑫ OV INDICATES F3 BLOWN
- ⑬ OV INDICATES F4 BLOWN
- ⑭ LOW VOLTAGE INDICATES OPEN D7 OR D8; C15, C16, OR C17, OR X3 FAULTY
- ⑮ OV INDICATES F5 BLOWN
- ⑯ ABNORMAL INDICATES X3 FAULTY

NOTES:

1. EXCEPT FOR REGULATED +5VDC, ALL VOLTAGE READINGS ARE TYPICAL AND WILL VARY WITH 117/235V AC LINE VOLTAGE INPUT. FOR EXAMPLE, VOLTAGE READINGS SHOWN IN +100VDC AND -100VDC REGULATORS SHOW TYPICAL ACCEPTABLE VARIATIONS.
2. FUSE F4 IS NOT USED ON SHUFFLE ALLEYS. ON FLIPPER GAMES, EITHER 10A OR 15A RATING IS REQUIRED. REFER TO PAGE 2 FOR THE VALUE USED IN THIS GAME.
3. ACCEPTABLE REPLACEMENTS FOR X3, 5V REGULATOR ARE AS FOLLOWS: