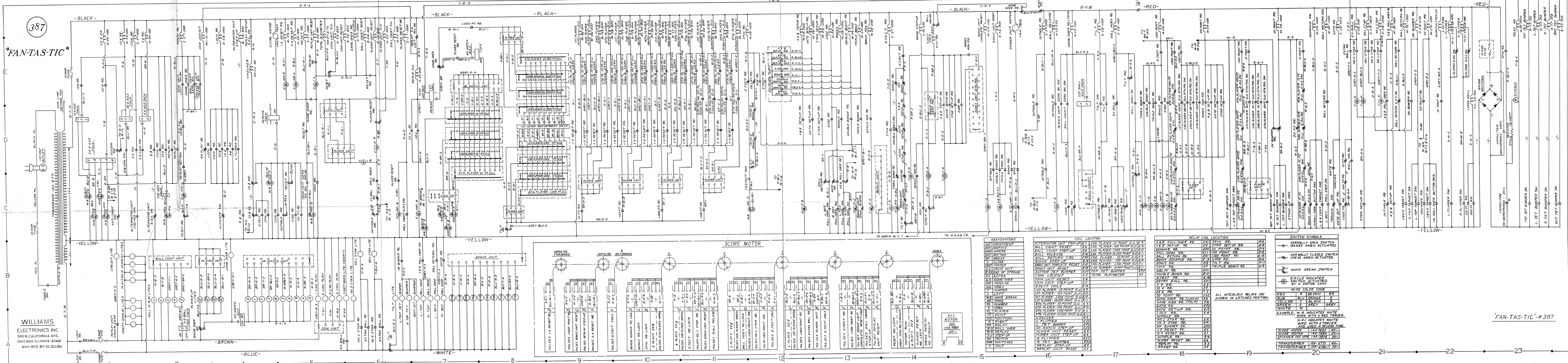


FAN-TASTIC

WILLIAMS ELECTRONICS INC. 3401 N. CALIFORNIA AVE. CHICAGO-ILLINOIS-60618 MAY-1972 BY DC/CAJ



ABBREVIATIONS

| | |
|--|----|
| ADV ADJUSTMENT | 1 |
| ADVANCE | 2 |
| ADVANCE RE | 3 |
| ADVANCE SW | 4 |
| ADVANCE UNIT | 5 |
| ADVANCE UNIT RE | 6 |
| ADVANCE UNIT SW | 7 |
| ADVANCE UNIT SW RE | 8 |
| ADVANCE UNIT SW SW | 9 |
| ADVANCE UNIT SW SW RE | 10 |
| ADVANCE UNIT SW SW SW | 11 |
| ADVANCE UNIT SW SW SW RE | 12 |
| ADVANCE UNIT SW SW SW SW | 13 |
| ADVANCE UNIT SW SW SW SW RE | 14 |
| ADVANCE UNIT SW SW SW SW SW | 15 |
| ADVANCE UNIT SW SW SW SW SW RE | 16 |
| ADVANCE UNIT SW SW SW SW SW SW | 17 |
| ADVANCE UNIT SW SW SW SW SW SW RE | 18 |
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| ADVANCE UNIT SW SW SW SW SW SW SW SW SW SW RE | 26 |
| ADVANCE UNIT SW SW SW SW SW SW SW SW SW SW SW | 27 |
| ADVANCE UNIT SW SW SW SW SW SW SW SW SW SW SW RE | 28 |
| ADVANCE UNIT SW SW SW SW SW SW SW SW SW SW SW SW | 29 |
| ADVANCE UNIT SW SW SW SW SW SW SW SW SW SW SW SW RE | 30 |
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| ADVANCE UNIT SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 32 |
| ADVANCE UNIT SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 33 |
| ADVANCE UNIT SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 34 |
| ADVANCE UNIT SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 35 |
| ADVANCE UNIT SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 36 |
| ADVANCE UNIT SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 37 |
| ADVANCE UNIT SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 38 |
| ADVANCE UNIT SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 39 |
| ADVANCE UNIT SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 40 |

COIL LOCATION

| | |
|--|----|
| ALTERNATOR UNIT STEP-UP RE | 1 |
| ADVANCE UNIT STEP-UP RE | 2 |
| ADVANCE UNIT STEP-UP SW | 3 |
| ADVANCE UNIT STEP-UP SW RE | 4 |
| ADVANCE UNIT STEP-UP SW SW | 5 |
| ADVANCE UNIT STEP-UP SW SW RE | 6 |
| ADVANCE UNIT STEP-UP SW SW SW | 7 |
| ADVANCE UNIT STEP-UP SW SW SW RE | 8 |
| ADVANCE UNIT STEP-UP SW SW SW SW | 9 |
| ADVANCE UNIT STEP-UP SW SW SW SW RE | 10 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW | 11 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW RE | 12 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW | 13 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW RE | 14 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW | 15 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW RE | 16 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW | 17 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW RE | 18 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW | 19 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW RE | 20 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW | 21 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW RE | 22 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW | 23 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW RE | 24 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW | 25 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW RE | 26 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW SW | 27 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 28 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 29 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 30 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 31 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 32 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 33 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 34 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 35 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 36 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 37 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 38 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 39 |
| ADVANCE UNIT STEP-UP SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 40 |

RELAY COIL LOCATION

| | |
|--|----|
| A & B ROLL-OVER RE | 1 |
| A & B SETUP RE | 2 |
| ADVANCE RE | 3 |
| ADVANCE SW | 4 |
| ADVANCE SW RE | 5 |
| ADVANCE SW SW | 6 |
| ADVANCE SW SW RE | 7 |
| ADVANCE SW SW SW | 8 |
| ADVANCE SW SW SW RE | 9 |
| ADVANCE SW SW SW SW | 10 |
| ADVANCE SW SW SW SW RE | 11 |
| ADVANCE SW SW SW SW SW | 12 |
| ADVANCE SW SW SW SW SW RE | 13 |
| ADVANCE SW SW SW SW SW SW | 14 |
| ADVANCE SW SW SW SW SW SW RE | 15 |
| ADVANCE SW SW SW SW SW SW SW | 16 |
| ADVANCE SW SW SW SW SW SW SW RE | 17 |
| ADVANCE SW SW SW SW SW SW SW SW | 18 |
| ADVANCE SW SW SW SW SW SW SW SW RE | 19 |
| ADVANCE SW SW SW SW SW SW SW SW SW | 20 |
| ADVANCE SW SW SW SW SW SW SW SW SW RE | 21 |
| ADVANCE SW SW SW SW SW SW SW SW SW SW | 22 |
| ADVANCE SW SW SW SW SW SW SW SW SW SW RE | 23 |
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| ADVANCE SW SW SW SW SW SW SW SW SW SW SW RE | 25 |
| ADVANCE SW SW SW SW SW SW SW SW SW SW SW SW | 26 |
| ADVANCE SW SW SW SW SW SW SW SW SW SW SW SW RE | 27 |
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| ADVANCE SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 31 |
| ADVANCE SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 32 |
| ADVANCE SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 33 |
| ADVANCE SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 34 |
| ADVANCE SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 35 |
| ADVANCE SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 36 |
| ADVANCE SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 37 |
| ADVANCE SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 38 |
| ADVANCE SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 39 |
| ADVANCE SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 40 |

SWITCH SYMBOLS

◯ NORMALLY OPEN SWITCH
 ◯ NORMALLY CLOSED SWITCH
 ◯ MAKE BREAK SWITCH
 ○ CIRCLE INDICATES SWITCH ACTUATED BY A MOTOR COIL
 WIRE COLOR CODE
 RED R BROWN BR
 BLUE BLU ORANGE O
 YELLOW Y BLACK BK
 GREEN G GREY GR
 WHITE W
 EXAMPLE: W-R INDICATES WHITE WIRE WITH A RED TRIGGER

SCORE MOTOR

| | |
|---|----|
| SCORE MOTOR | 1 |
| SCORE MOTOR RE | 2 |
| SCORE MOTOR SW | 3 |
| SCORE MOTOR SW RE | 4 |
| SCORE MOTOR SW SW | 5 |
| SCORE MOTOR SW SW RE | 6 |
| SCORE MOTOR SW SW SW | 7 |
| SCORE MOTOR SW SW SW RE | 8 |
| SCORE MOTOR SW SW SW SW | 9 |
| SCORE MOTOR SW SW SW SW RE | 10 |
| SCORE MOTOR SW SW SW SW SW | 11 |
| SCORE MOTOR SW SW SW SW SW RE | 12 |
| SCORE MOTOR SW SW SW SW SW SW | 13 |
| SCORE MOTOR SW SW SW SW SW SW RE | 14 |
| SCORE MOTOR SW SW SW SW SW SW SW | 15 |
| SCORE MOTOR SW SW SW SW SW SW SW RE | 16 |
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| SCORE MOTOR SW SW SW SW SW SW SW SW RE | 18 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW | 19 |
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| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW RE | 22 |
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| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW RE | 24 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW | 25 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW RE | 26 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW SW | 27 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 28 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 29 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 30 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 31 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 32 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 33 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 34 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 35 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 36 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 37 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 38 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW | 39 |
| SCORE MOTOR SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW SW RE | 40 |