

## ST-139 APPLICATION NOTE #1420

FOR USE WITH: E.F. JOHNSON SDL & PPL SERIES APPROVAL DATE: 09JUL98S BY:RTS

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CONNECTIONS

TONE UNIT RADIO

CALL GUARD CONNECTOR <--- MIC HANGER o--- MONITOR O--- DECODE (-) (WHT/ORG)----< <--- SQUELCH GATE <---- GROUND o--- (-) SUPPLY (BLACK) ----3 o--- (+) SUPPLY (RED) -----<---- 13.8 V 4 O--- TONE INPUT (GREEN) --<---- AUDIO TO CALL GUARD O--- ENCODE OUTPUT (WHT/GRN)---<--- AUDIO FROM CALL GUARD All other wires are NOT used. \_\_\_\_\_\_ MODIFICATIONS

TONE UNIT

RADIO

**USER:** No Modifications Required.

## | SDL Series:

Make certain "A" to "B" Call Guard jumper is in, and solder the BLK/YEL wire from tone unit to this jumper. If retrofitting an SDL which had previously been installed with DCG you may find male connector pins at "A" and "B". The connector on the ST-138EFJ should only contact pins 1 thru 6 of the Call Guard connector

## PPL Series:

|| Solder BLK/YEL wire from tone unit || to pin 2 of the Mic connector. Clip || out test point J209 to avoid short || circuit to tone board.

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