Selectone

ST-020B/025B APPLICATION NOTE #0380

FOR USE WITH : MAXON SP120/130/140 **APPROVAL DATE: 08FEB99R BY: CPE**

CONNECTION

	ENCRYPTION UNIT	RADIO	
(3)	(+) SUPPLY INPUT	RED	CON404-1
(9)	(-) SUPPLY INPUT	BLACK	CON404-2
(11)	RX AUDIO INPUT	BLUE	CON404-8
(1)	RX AUDIO OUTPUT	WHT/BLU	CON404-14
(12)	TX AUDIO INPUT	GREEN	CON404-5
(13)	TX AUDIO OUTPUT	WHT/GRN	CON404-13
(6)	$\overline{\text{PTT}}$ INPUT	YELLOW	CON404-9
(10)	PTT OUTPUT	BLK/YEL	NO CONNECTION
(7)	CLEAR/$\overline{\text{CYPHER}}$	BROWN	CON404-10
(4)	PROGRAMMING	WHT/ORG	CON404-6
(5)	CODE SELECT #2	BLK/ORG	NO CONNECTION
(8)	PA ENABLE	BLK/BRN	SHORT TO J1-7 ON CONN. (SEE MODES)
(2)	PROGRAMMING	VIOLET	CN404-7

SCRAMBLER MODES: JUMPER J1-7 TO J1-8. From the junction of U5-23 add a 100k res in series with a 4700Uf cap to the junction of R10 and R14.
Optional remove R24 and replace with a 240k res. (This will improve adjustability of sync)
RADIO MODES: REMOVE LK1,3,5,6,9,14,15,17,18,19 AND LK22. INSTALL LK2,4,7,8,12,16, 20 AND LK21.

1. Remove R418. Lift Collector of Q407. FOR EXTERNAL PROGRAMMING.
2. Add a jumper from **CON404-6** to the junction of **C417 and J2** (EXTMIC). FOR EXTERNAL PROGRAMMING.
3. Add a jumper from **CON404-7** to the junction of **C420 and J2** (EXTMIC). FOR EXTERNAL PROGRAMMING.

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