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LAND MOBILE PRODUCT SECTOR PSB # 731 1307 E. ALGONQUIN RD APC #  
388,398 SCHAUMBURG, IL 60196 Date: APRIL 1994 (708) 576-0180 EXPIRES :  
AUGUST 31,1994

MODELS AFFECTED: ALL PL READY MSF 5000/10000 RADIOS

KITS AFFECTED: TLN3182A/B, TLN3189A/B, TLN3204A/B, TLN3205A/B, TLN3318A,  
TLN3319A, TLN3320A, TLN3342A, TLN3384A, TLN3385A, TLN3386A, TLN3387A  
SECURE STATION CONTROL BOARDS.

Subject: DECREASED PL DETECT TIMES

NOTE: THIS MODIFICATION IS FOR STATIONS CONFIGURED AS PL ONLY  
STATIONS. THE MODIFICATION WILL DEGRADE DPL DETECTION TO AROUND  
500 ms.

A hardware modification has been developed to reduce the time it takes

to detect PL tones. Currently, the PL filter/limiter is sensitive to

subscriber units that initially transmit off frequency. This causes the

output of the limiter to rail for some time. By removing capacitors

C8164 and C8165 (chip caps) on the SECURE STATION CONTROL BOARD, the

limiter can recover from key-up transients faster.

NOTE: THESE CAPACITORS ARE ONLY FOUND ON THE ABOVE MENTIONED  
SSCB'S WHICH CONTAIN THE PL/DPL SELECT LINE.

This modification can be used on the above mentioned SSCB boards containing firmware  
version 5.45 or earlier.

NOTE: ALL STATIONS SHIPPED FROM SEPTEMBER 1,1994 WILL CONTAIN  
FIRMWARE THAT WILL ALLOW ENABLE OR DISABLE OF THE PL/DPL SELECT  
LINE.

Authorized Motorola Service Centers can claim 1/2 hour labor plus travel time by  
referencing this bulletin and utilizing the RO 21-19 claim form when performing this  
modification