

Reference **104**
Route to **Service Manager**
From Ray Galvan, MCE Technical Support Manager
Date December 1, 1996
Pages 1 page via US Mail
Enclosures Job List, Replacement Triacs and Circuit Board Diagram

Subject **LS-QUTE LANDING SYSTEM**

Description Occasionally, triacs in the LS-QUTE landing system may fail prematurely. Triacs used in this landing system are rated for 4 amps at 400 volts while the associated circuits only draw a small fraction of this amount. Therefore, we expect these triacs to last indefinitely.

However, we suspect that the cause of premature triac failure may be induced voltage from other wires in close proximity to control wires. This may explain why premature failure has occurred on only a few jobs. New landing systems are now being shipped with more robust triacs to prevent this problem from occurring.

Action On your next regular maintenance visit, check the landing system serial number (located on the landing system enclosure). If the serial number is 3355 or lower, or 3448, 3449 or 3450 -- open the back cover.

Check the triacs (located in a single horizontal row near the bottom of the board). Triacs in positions corresponding to terminals SDZR, SDZF, SDZ, SLU and SLD must have part numbers MAC228A10 or MAC228A8FP (MCE part number is 33-05-0005).

If triac part numbers are other than those above, please replace them. Replacement is easy -- triacs are mounted in sockets. Simply remove the existing triac and plug in a new one.

Enclosed is a list of your LS-QUTE landing system jobs along with five replacement triacs for each system and a circuit board diagram. Please compare our list with your records to verify that you have identified all projects using MCE's LS-QUTE landing system.

Help Should you require additional technical assistance:

- ! Telephone 916/638-4011
- ! Touch "2" for Technical Support
- ! **Refer to the reference number above**

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Subject **LS-QUTE LANDING SYSTEM - TRIAC FIELD REPLACEMENT GUIDE**



1. Verify that the landing system installed at your job has these features to confirm that it is an LS-QUTE type system.



2. Replace triacs as required at locations indicated on this circuit board diagram.

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