

S E R V I C E N O T E

SUPERSEDES: 83650A-06

83650A Synthesized Sweeper**Serial Numbers:** 0000A00000 / 9999Z99999**Torque on the nuts holding the FET's on the A12 and A13 changing and causing failures.****Duplicate Service Notes:**

83620A-05A	83620B-05A	83621A-02A	83621B-02A
83622A-04A	83622B-04A	83623A-05A	83623B-05A
83623L-05A	83624A-04A	83624B-04A	83630A-06A
83630B-05A	83630L-05A	83631A-03A	83631B-02A
83640A-06A	83640B-06A	83640L-06A	83650A-06A
83650B-05A	83650L-05A	83651A-02A	83651B-02A

Situation:

On the A12 and A13 assemblies, the power FET's mounted on the heat sinks can loosen over time and cause these assemblies to fail. The insulator material thickness appears to change causing the torque on the nuts holding the FET's to change. The looser torque causes an intermittent FET contact resulting in an A12 or A13 failure.

Solution / Action:

It is recommended anytime an 836x is in for repair and the covers removed, the torque on the nuts holding the FET's on the A12 and A13 assemblies be checked. The nuts should be torqued to 6" lbs. Be careful not to over torque, 7" lbs can strip the stud. After torquing the studs, re-flow the solder on the FET leads to reduce stress.

DATE: **DECEMBER 1999**

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:

DM

ENTITY:

5320

ADDITIONAL INFORMATION:

