



HARRIS

SERVICE BULLETIN

MAINTENANCE AND MODIFICATION DATA

Broadcast Division

MW-5/5A

AM-136-TLH

September, 1979

SUBJECT: High Voltage Shorting Solenoids

As explained in Service Bulletin AM-124-DCM dated February, 1979, an unusual problem exists with the solenoids used in your transmitter.

IT COULD LEAD THE MAINTENANCE OPERATOR TO THINK THE HIGH VOLTAGE IS GROUNDED WHEN IN FACT IT IS NOT.

Due to residual magnetism, the solenoids used in this assembly may not drop. If this occurs, it is conceivable a door could be opened without the high voltage shorting action taking place. This failure will not affect proper operation of the primary contactor. Interlock circuits will continue to function normally, but the high voltage will not be shorted to ground.

The enclosed solenoids (590-0037-000) are direct replacements for those presently used. The only visible difference between the solenoids is the number stamped on them. The new solenoids have 821-264-2 on them. The old solenoids are identified by the number 821-103-2.

Install the new solenoids as soon as possible.

TOOLS REQUIRED:

phillips screwdriver
blade screwdriver
3/8" wrench

PROCEDURE:

Allow yourself about one hour minimum to make this change.

Disconnect all primary power.

Detach the entire shorting solenoid assembly by loosening the 3 mounting screws. Remove first 1S5A, then 1S5B. Discard the leaf springs which had been installed previously to increase reliability. Install the new solenoids with 1S5B going in first. Be sure to connect the coil wiring to 1S5B before installing 1S5A since 1S5A will not allow access to the coil terminals of 1S5B once it is installed. Hang the assembly back in place and reconnect the coil wiring for 1S5A. Be sure to observe proper HV lead dress.

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Upon completion of this change, please fill out completely the enclosed postage paid card and return it to us. Should you have any questions relative to this modification, please direct your inquiries to:

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