

# SERVICE BULLETIN

DATE: 6 APRIL 2006

SERVICE BULLETIN #250

MODELS: BT GENERATORS

SUBJECT: TRANSFORMER INSTALLATION

REPORTS HAVE BEEN RECEIVED FROM THE FIELD REGARDING TRANSFORMER FAILURES SHORTLY AFTER THE TRANSFORMER WAS REPLACED.

INSPECTION OF THE FAILED TRANSFORMER HAS SHOWN THAT THE WIRES ROUTING OUT OF THE TRANSFORMER TO THE AC TERMINAL BLOCK CONNECTIONS AND THE AC CONNECTIONS OF THE STATOR WINDINGS WERE ALLOWED TO COME IN CONTACT WITH THE METAL CAST HOUSING OF THE GENERATOR BEHIND THE TRANSFORMER.

THIS CAUSED THE INSULATION ON SOME OF THESE WIRES TO CHAFF AND ALLOWED THE WIRES TO GROUND TO THE METAL OF THE GENERATOR HOUSING CREATING AN ELECTRICAL SHORT WHEN THE GENERATOR WAS OPERATING.

WHEN INSTALLING A REPLACEMENT TRANSFORMER, CARE **MUST** BE TAKEN TO ENSURE THAT THE ROUTING OF THESE WIRE CONNECTORS FROM THE TRANSFORMER TO THE AC TERMINAL BLOCK AND AC STATOR CONNECTIONS **DO NOT** CONTACT THE METAL HOUSING OF THE GENERATOR.

FAILURE TO DO SO CAN LEAD TO ONE OR MORE OF THESE WIRES SHORTING TO THE METAL CASE OF THE GENERATOR.

PROVIDE PROTECTION FOR THESE WIRES WHEN NEEDED BY USING CHAFFE RESISTANT SHRINK WRAP.

