

1 B-38 Replace Automatic Voltage Regulator

2 Q. Please provide details concerning the “problems” experienced with the unit at
3 issue.

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6 A. In 2001, a speed monitor card failed and the unit was therefore unavailable
7 for approximately a day. There was a spare monitor card available at site
8 used in the repairs.

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10 In 2004, the input voltage potentiometer failed. The result was that the unit
11 voltage was not adjustable except in manual mode until the potentiometer
12 was replaced with a spare.

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14 Although there have not been many incidents of problems, aging of the
15 equipment suggest that more are to be expected. Manufacturer’s
16 obsolescence of the AVR and the unavailability of support and spare parts
17 mean that problems with this AVR are likely to result in long outages to the
18 gas turbine unit. Given the critical requirement of this unit as a peaking unit,
19 for voltage support requirements, and its requirement as an emergency
20 supply, long outages are not acceptable at critical times.