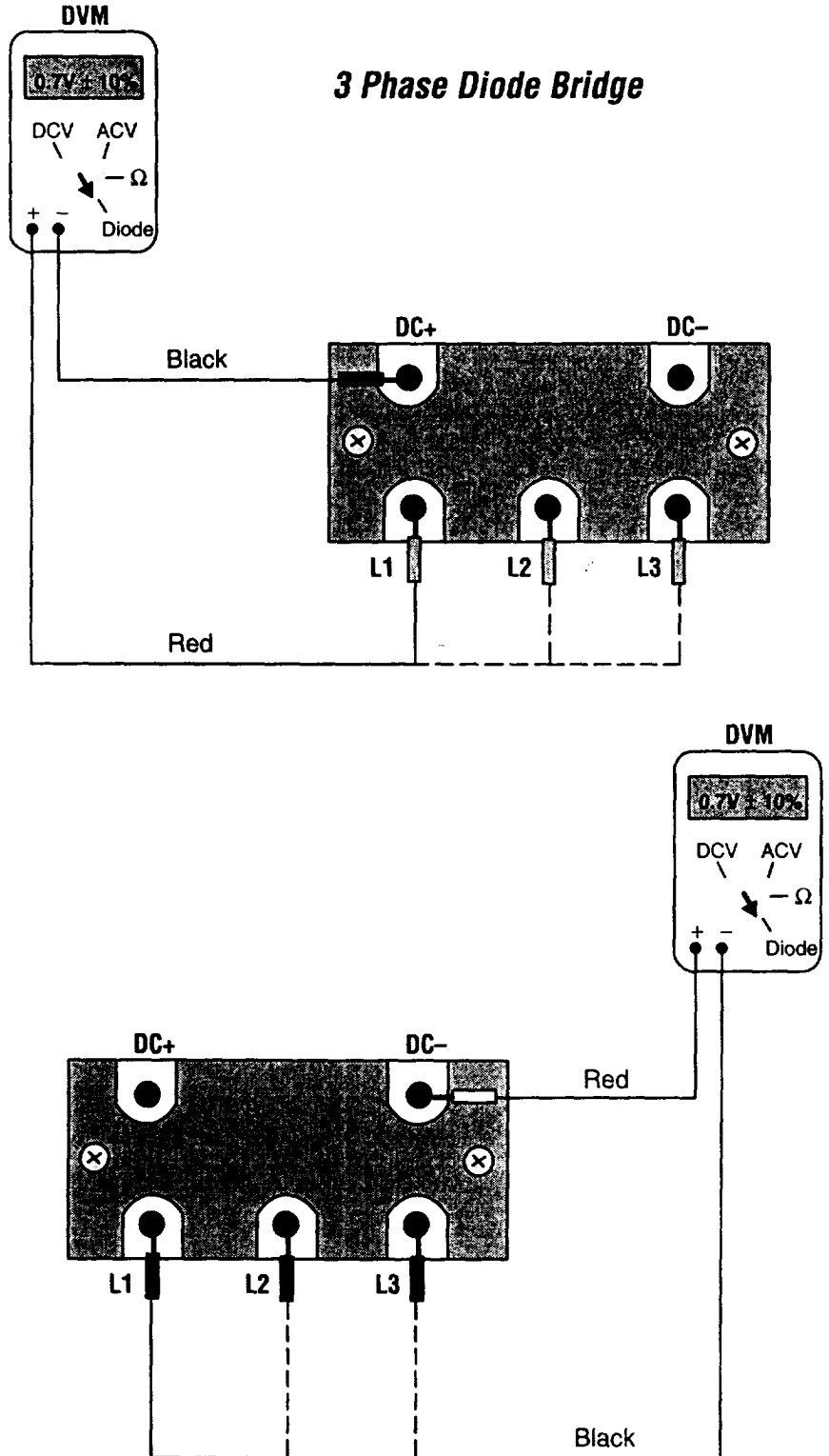


Power Device Troubleshooting

Testing power devices is a relatively fundamental procedure that may not be 100% accurate in all cases, but it will give you a good indication as to what components may be good or bad when tracing a problem. These measurements are for individual devices NOT connected within the power structure. The following examples contain typical readings that are received when testing power devices with a digital volt meter. These component tests are for modules found in the 1336 FORCE Drive only. Readings may vary by as much as +/- 30% from the values displayed in the examples when determining whether a part is functional.

Figure 4.19.
3 Phase Diode Bridge Testing



SCR Testing
SRC TESTING

SCR Measurement

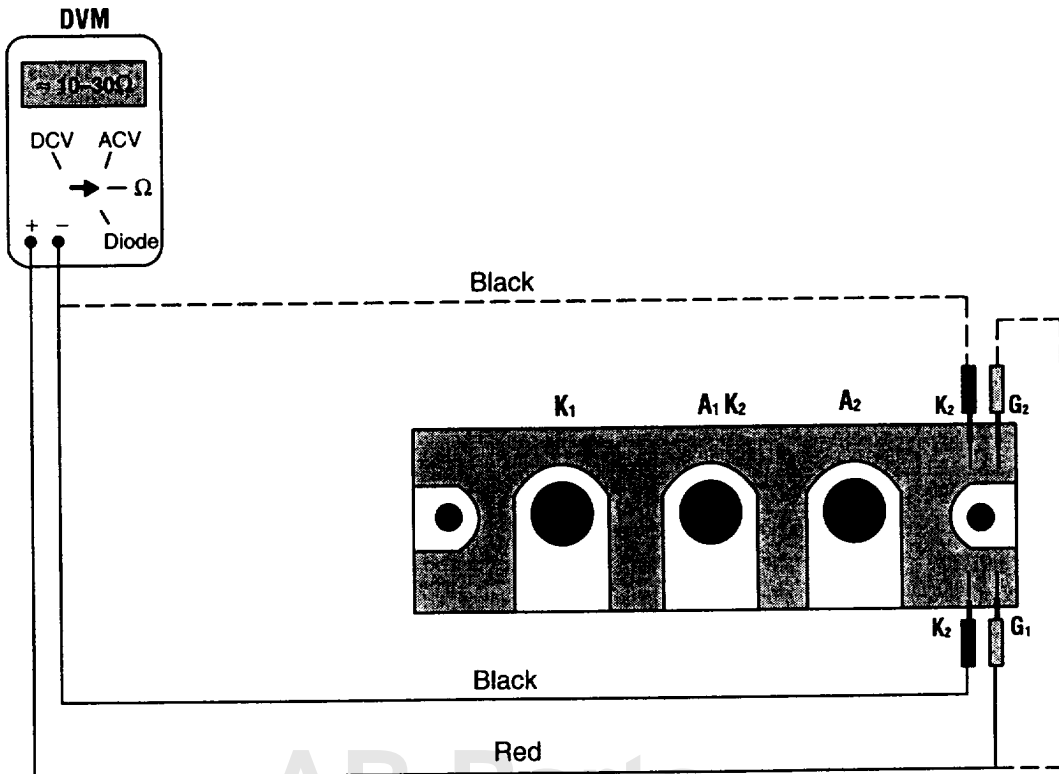
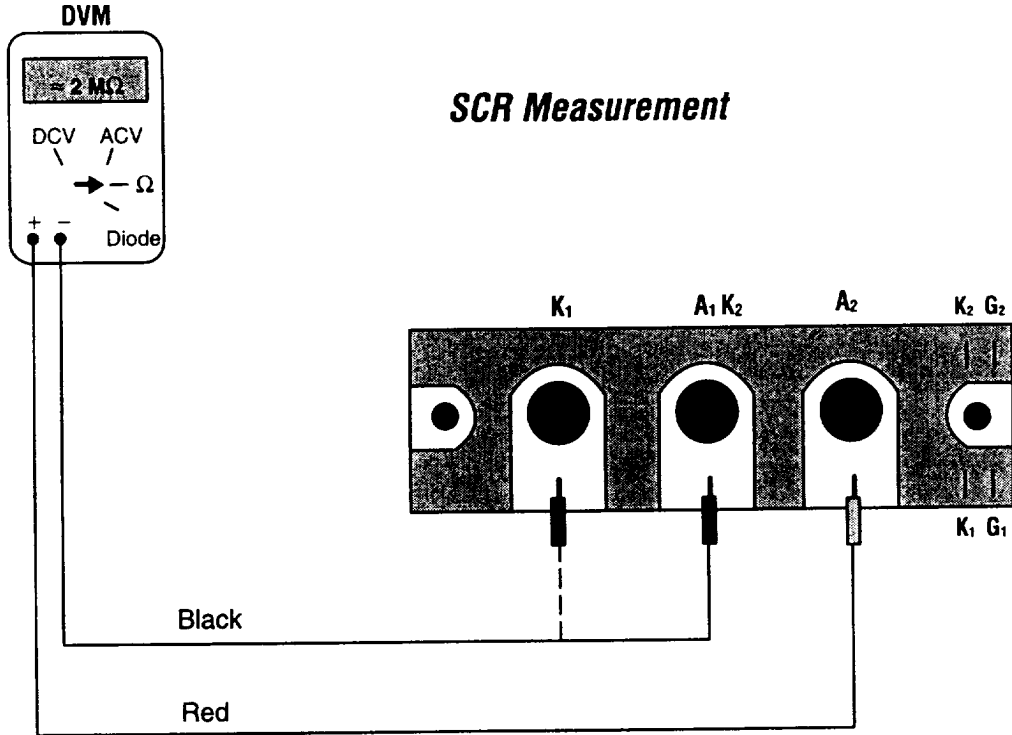


Figure 4.21.
IGBT Module Testing

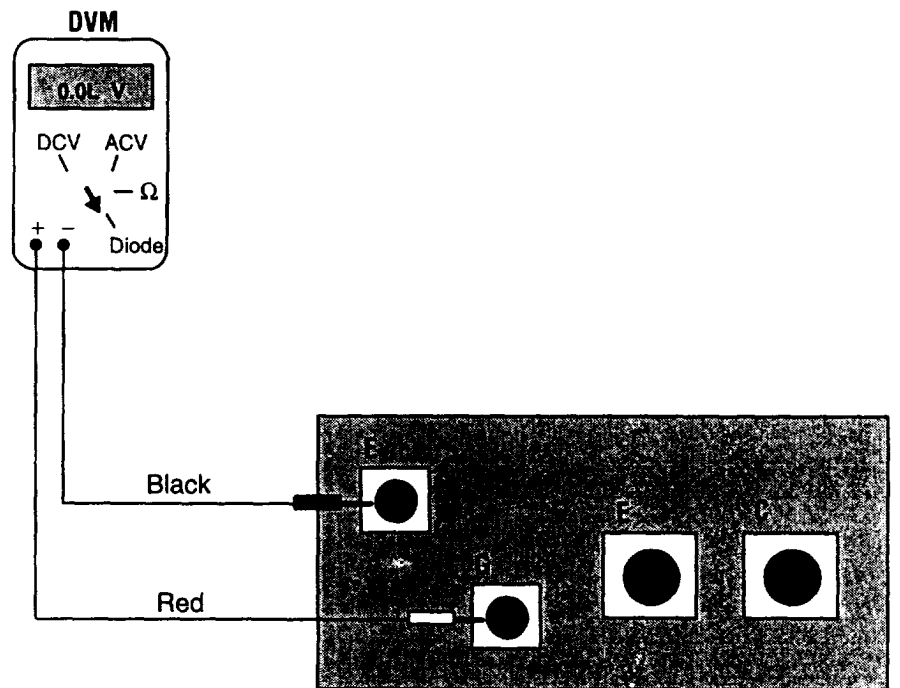
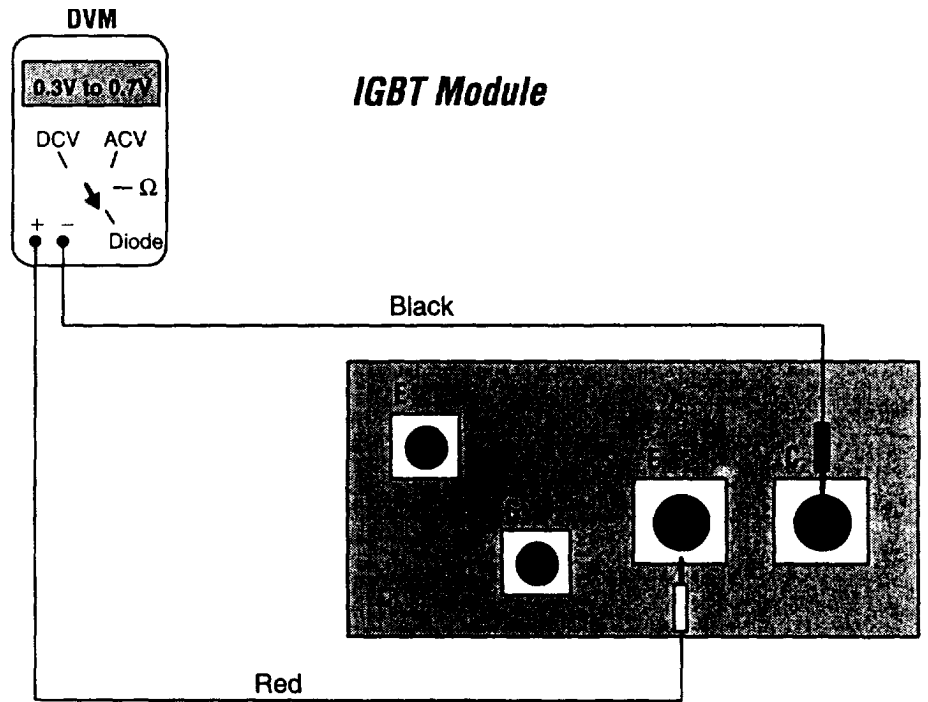


Figure 4.22.
Twin Pack IGBT Testing

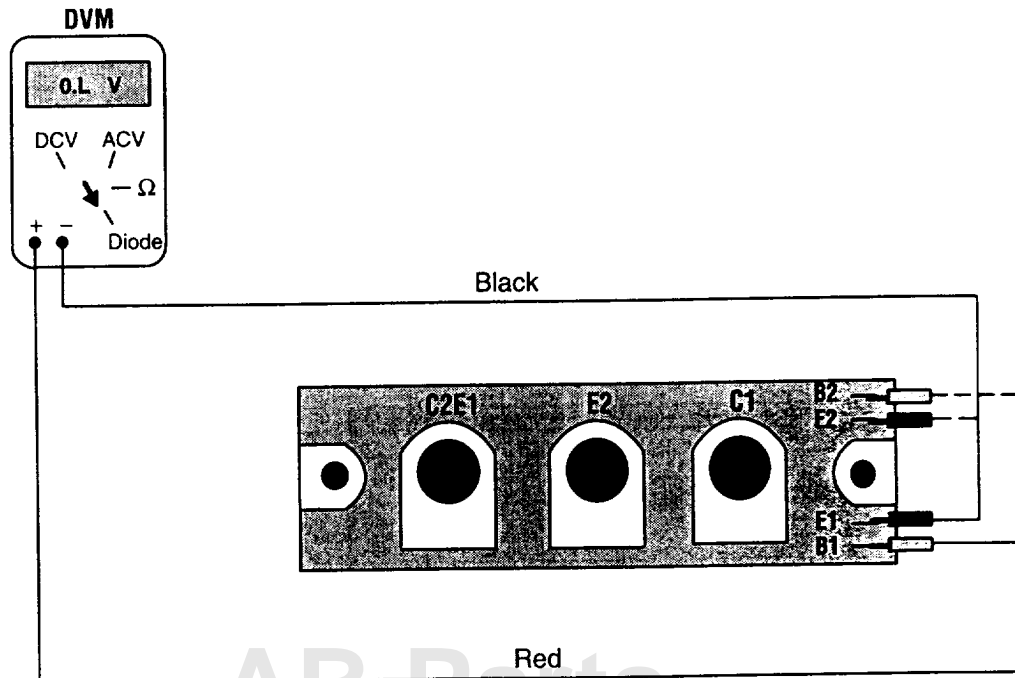
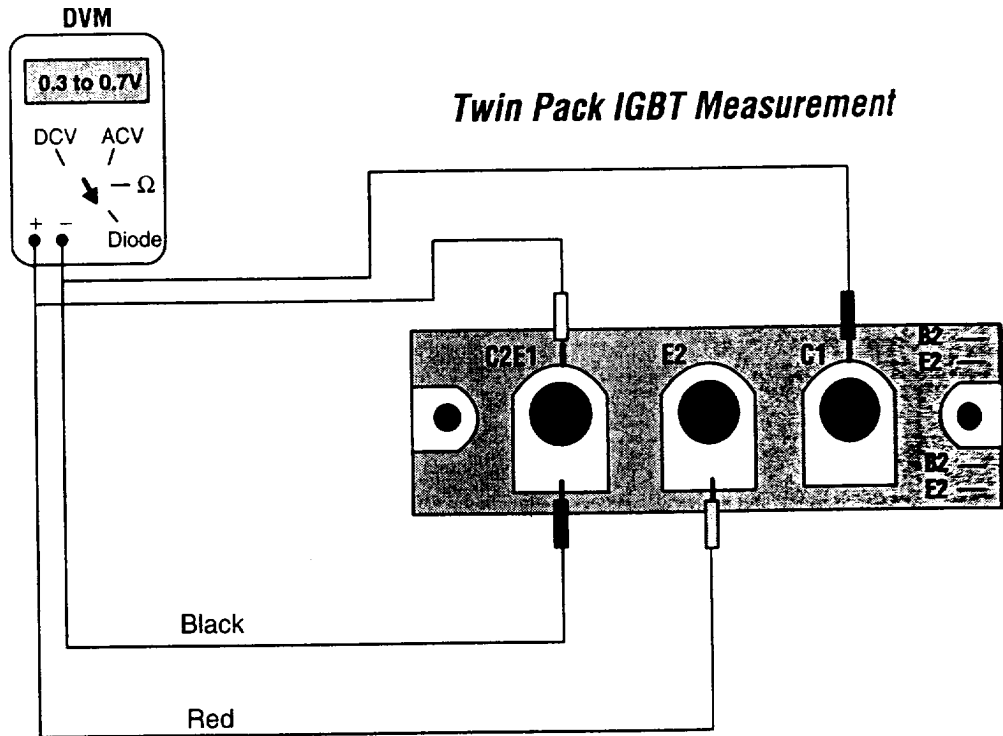


Figure 4.23.
Blown Bus Fuse Test

