

# IGBT / DIODE CHECK SHEET

	Positive Probe Location	Negative Probe Position	Digital Meter Correct Answer	Analog Meter Correct Answer	Front					Rear
PHASE A	<b>Rectifier</b>									
	5	13	0.3-0.4 volts	5-15 ohms						
	13	5	2.0-3.0 volts	> 70 ohms						
	6	11	0.3-0.4 volts	5-15 ohms						
	11	6	2.0-3.0 volts	> 70 ohms						
	12	11	0.3-0.4 volts	5-15 ohms						
	11	12	2.0-3.0 volts	> 70 ohms						
	<b>Inverter</b>									
	3	11	0.3-0.4 volts	5-15 ohms						
	11	3	2.0-3.0 volts	> 70 ohms						
	11	4	0.3-0.4 volts	5-15 ohms						
	4	11	2.0-3.0 volts	> 70 ohms						
PHASE B	<b>Rectifier</b>									
	5	13	0.3-0.4 volts	5-15 ohms						
	13	5	2.0-3.0 volts	> 70 ohms						
	6	11	0.3-0.4 volts	5-15 ohms						
	11	6	2.0-3.0 volts	> 70 ohms						
	12	11	0.3-0.4 volts	5-15 ohms						
	11	12	2.0-3.0 volts	> 70 ohms						
	<b>Inverter</b>									
	3	11	0.3-0.4 volts	5-15 ohms						
	11	3	2.0-3.0 volts	> 70 ohms						
	11	4	0.3-0.4 volts	5-15 ohms						
	4	11	2.0-3.0 volts	> 70 ohms						
PHASE C	<b>Rectifier</b>									
	5	13	0.3-0.4 volts	5-15 ohms						
	13	5	2.0-3.0 volts	> 70 ohms						
	6	11	0.3-0.4 volts	5-15 ohms						
	11	6	2.0-3.0 volts	> 70 ohms						
	12	11	0.3-0.4 volts	5-15 ohms						
	11	12	2.0-3.0 volts	> 70 ohms						
	<b>Inverter</b>									
	3	11	0.3-0.4 volts	5-15 ohms						
	11	3	2.0-3.0 volts	> 70 ohms						
	11	4	0.3-0.4 volts	5-15 ohms						
	4	11	2.0-3.0 volts	> 70 ohms						

Reference VSD Service Manual (Form 160.84-M3) for more information on these checks.