

# Precision Electronic Services, Inc.

TESTING IGBT's SET TO DIODE, BE SURE DRIVE IS DISCONNECTED ON LINE AND LOAD

	TEST LEAD	CONNECTION	TEST LEAD	CONNECTION	ACTUAL READING	TARGET READING
STEP 1	POS	U/T1	NEG	BUS +		approx. 0.5VDC
	POS	V/T2	NEG	BUS +		approx. 0.5VDC
	POS	W/T3	NEG	BUS +		approx. 0.5VDC
STEP 2	POS	U/T1	NEG	BUS -		O/L
	POS	V/T2	NEG	BUS -		O/L
	POS	W/T3	NEG	BUS -		O/L
STEP 3	POS	BUS -	NEG	U/T1		approx. 0.5VDC
	POS	BUS -	NEG	V/T2		approx. 0.5VDC
	POS	BUS -	NEG	W/T3		approx. 0.5VDC
STEP 4	POS	BUS +	NEG	U/T1		O/L
	POS	BUS +	NEG	V/T2		O/L
	POS	BUS +	NEG	W/T3		O/L

METER MAY NOT SHOW O/L IMMEDIATELY ON SOME DRIVES AS  
SNUBBER CAPACITORS TAKE TIME TO CHARGE

ACTUAL READINGS MAY VARY. LOOK FOR CONSISTENCY ON EACH PHASE

If your IGBT modules are bad  
contact PES at

**800-732-4695**

or

**service@pesquality.com**