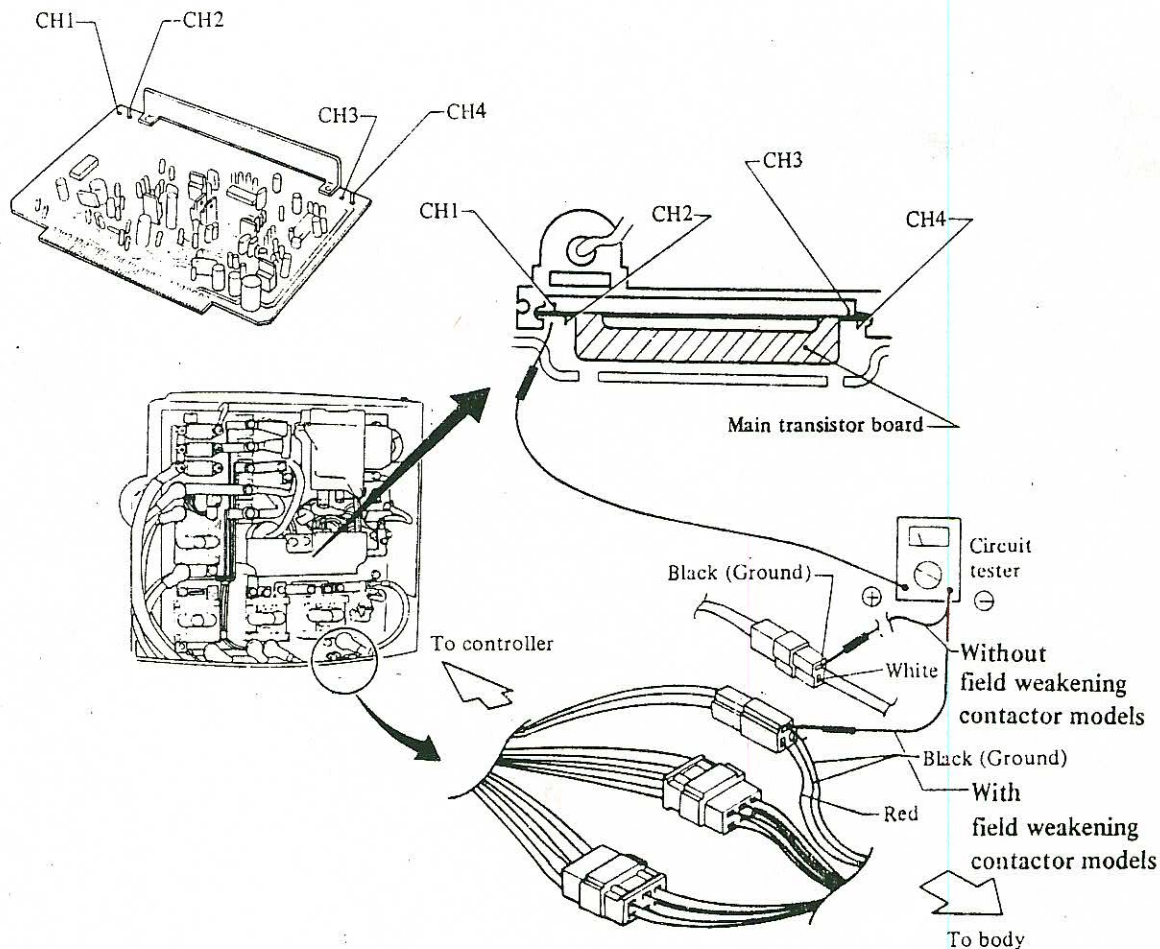




TH1	Main thyristor
TH2	Commutation thyristor
TSW	Thermal switch
L1	Reactor
D1	Commutation reactor
D2	Free wheel diode
D3	Clamping diode
D4	Commutation diode
FS1	Fuse 1
FC	Forward contactor
RC	Reverse contactor
FVC	Field weakening contactor
BPC	By-pass contactor

CONTROLLER SYSTEM INSPECTION

CHECK MPS, ACCELERATOR UNIT, MAIN TRANSISTOR BOARD AND SUB TRANSISTOR BOARD



FDC096

1. Raise drive wheels off ground.
2. Connect circuit tester as shown.
3. Turn on key switch, and contact positive terminal of tester on terminals CH1, CH2, CH3 and CH4 one after another.

CAUTION:

Be extremely careful to avoid accidentally shortcircuiting terminals CH1 and CH2 or CH3 and CH4 with test lead.

If measured values are not within specified range, parts affected or main transistor board are considered faulty.

Check terminals	Unit	Item to check	Circuit tester range	Normal indication
CH1	MPS and accelerator unit	MPS output voltage	V	10V with accelerator released. As accelerator is depressed, voltage gradually decreases to 1V. And when BP contactor is on, voltage suddenly increases.
CH2	Accelerator unit	Output voltage	V	1 - 2V (accelerator released) 7 - 9.5V (accelerator fully depressed)
CH3	Main transistor board	Ground	Ω	0 Ω
CH4	Sub transistor board	Stabilized voltage	V	9.7 - 10.3V

MOI

*1: EB01 model
*2: UB01 model

