



TO:  
CONTROL PANEL  
X1E PLUG

MTUOE WIRE #	X1 WIRE #	X1 PIN #	1600 SERIES ECU 8
*A/*E (201) X1 19/MAU 11	(35)	1	CAN1 HI
*A/*E (202) X1 35 MAU 12	(36)	2	CAN1 LO
*A/*E (203) X1 20/MAU 13	(37)	5	CAN1 GND
*A/*E (205) X1 33/MAU 21	(39)	3	CAN2 HI
A/*E (206) X1 18/MAU 22	(40)	4	CAN2 LO
*A/*E (204) X1 34/MAU 23	(38)	8	CAN2 GND
*A (221) X1 43/TB1 32	(1)	10	ENGINE STOP +
*A (222) X1 28/TB1 9	(2)	9	ENGINE STOP GND
*A (219) X1 42/TB1 219	(3)	14	SPEED DEMAND +
*A (220) X1 27/TB1 9	(4)	13	SPEED DEMAND -
*A (218) X1 41/TB1 218	(5)	18	IDLE MODE +
*A (217) X1 26/TB1 9	(6)	17	IDLE MODE GND
*A (215) X1 40	(7)	22	ALARM RESET +
*A (216) X1 25	(8)	21	ALARM RESET GND
*A (213) X1 39	(9)	26	SPEED UP +
*A (214) X1 24/TB1 9	(10)	25	SPEED UP GND
*A (211) X1 38	(11)	30	SPEED DN +
*A (212) X1 23/TB1 9	(12)	29	SPEED DOWN GND
*A (209) X1 37	(13)	34	ENGINE START +
*A (210) X1 22	(14)	33	ENGINE START GND
*A (207) X1 36	(15)	38	SAFETY OVERRIDE +
*A (208) X1 21	(16)	37	SAFETY OVERRIDE GND.
*A (236) X1 44	(17)	41	TORQUE BIAS (+)
A (239) X1 31/TB1 67	(19)	46	ANALOG SPEED VOLT. HI
*A (223) X1 46	(20)	45	SPEED BIAS, CURRENT IN
*A (240) X1 30	(21)	50	ANALOG TORQUE BIAS
*A (224) X1 45	(22)	49	NOT USED
*A (225) X1 29/TB1 68	(18)	42	SPEED BIAS, GND.
*A (227) X1 7	(23)	40	COOLANT TEMP. A. OUT
*A (228) X1 6	(24)	44	OIL PRESS. AN. OUT
*A (226) X1 5	(25)	35	GND (AN. OUT)
*A (237) X1 8	(27)	24	SPEED BIAS, FREQ. INPUT
*A (231) X1 14	(29)	12	YELLOW ALARM +
*A (229) X1 13	(30)	11	RED ALARM +
*A (230) X1 12	(28)	15	RED/YEL ALARM GND.
*A (232) X1 11	(31)	20	HI OIL PRESS.+
*A (233) X1 10	(32)	19	STARTER ON +
*A (234) X1 9/TB1 9	(33)	16	START ON/HI PRESS. GND.
*A (235) X1 15	(34)	48	FREQ OUTPUT
*A (242) X1 1/TB1 242	(42)	31	EMERGENCY STOP (IGI IN)
*A (241) X1 2/TB1 241	(41)	32	EMERGENCY STOP (IGI 24V)
*A (302) X1 52/TB1 51	RED	59	+24V
*A (303) X1 53/TB1 51	RED	58	+24V
*A (304) X1 54/TB1 51	RED	62	+24V
*A (305) X1 55/TB1 9	BLK	57	GND
*A (306) X1 56/TB1 9	BLK	61	GND
*A (307) X1 57/TB1 9	BLK	60	GND
*A (243) X1 63	(26)	36	ESI_IN
*A (244) X1 64	(43)	6	RS485_H
*A (245) X1 65	(44)	7	RS485_L
*A (246) X1 66	(45)	28	TXD_1
*A (247) X1 67	(46)	27	RXD_1
*A (248) X1 68	(47)	23	FGND
*A (249) X1 69	(48)	47	NC

