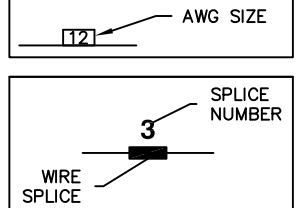


LEGEND

ALT_ - DC CHARGE ALTERNATOR
 AS - ALTERNATOR STATOR
 BA - BRUSH ASSEMBLY
 BCH_ - BATTERY CHARGER
 CAR - COMMON ALARM RELAY
 COP1 - CROSSOVER PLUG 16-PIN (BULKHEAD)
 COP2 - CROSSOVER PLUG 12-PIN (BULKHEAD)
 COR1 - CROSSOVER RECEPTACLE 16-PIN
 COR2 - CROSSOVER RECEPTACLE 12-PIN
 DB_ - DIODE BRIDGE
 ES_ - EMERGENCY STOP
 ESC_ - EMERGENCY STOP CONNECTOR
 FLS - FUEL LEVEL SWITCH
 F_ - FUSE
 GA - GOVERNOR ACTUATOR
 GND - GROUND CONNECTION

GP - GLOW PLUG
 J_ - MAIN CONTROLLER CONNECTORS
 LD - LEAK DETECTOR
 LOS - LOW OIL PRESSURE SWITCH
 MLCB - MAIN LINE CIRCUIT BREAKER
 MPU - MAGNETIC PICKUP
 NB - NEUTRAL BLOCK
 PHC - PREHEAT CONTACTOR
 RLY - CONTROL RELAY
 R_ - RESISTOR
 SC - STARTER CONTACTOR
 SM - STARTER MOTOR
 TB_ - TERMINAL BLOCK
 THMS - THERMISTOR (BATTERY AMBIENT TEMP.)
 WLS - COOLANT LEVEL SENSOR
 WTS - COOLANT TEMPERATURE SENSOR

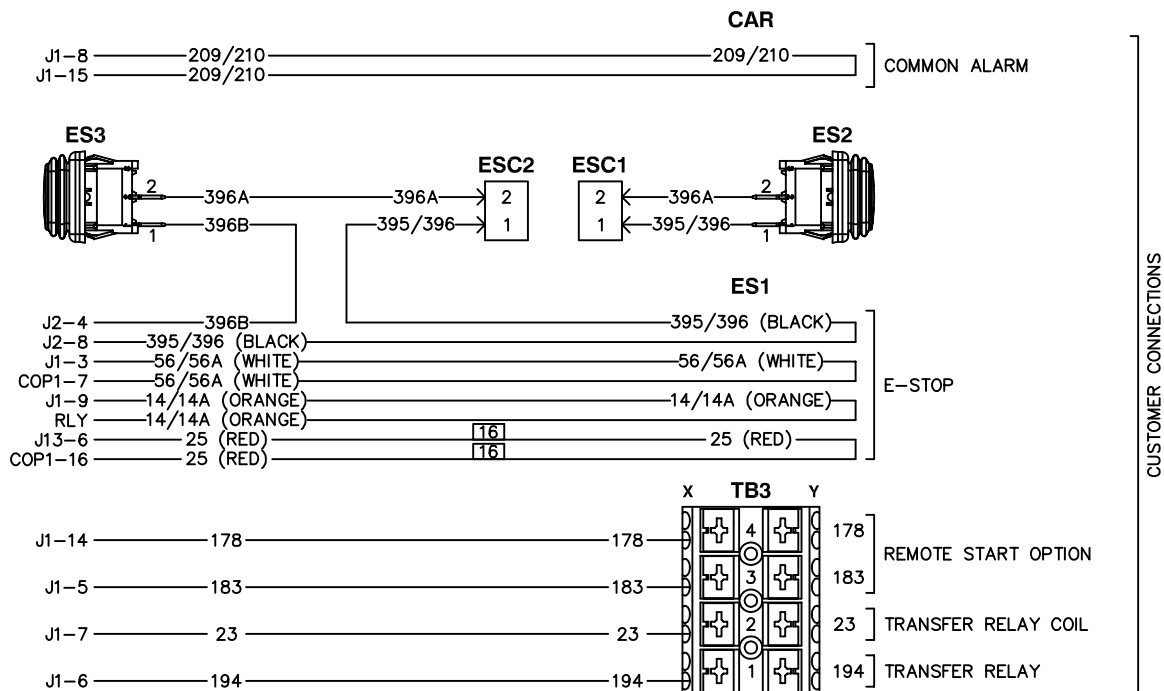
NOTE: ALL WIRES 18 AWG
 300V UL LISTED UNLESS
 SHOWN OTHERWISE



COMPONENTS LOCATED IN CUSTOMER CONNECTION BOX LOW VOLTAGE CONNECTIONS

NOTE: ALL WIRES ON THIS
 PAGE ARE 600V RATED

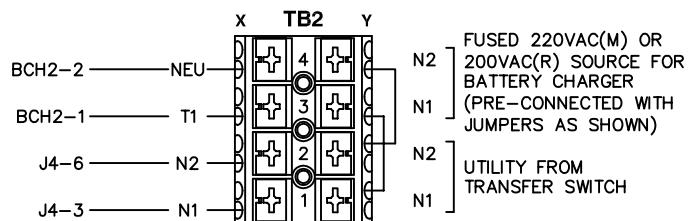
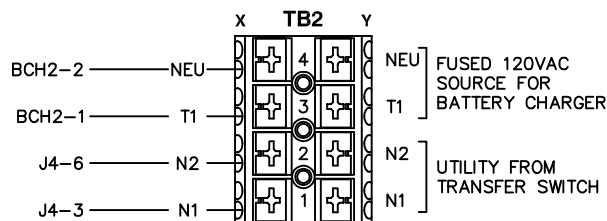
60HZ/50HZ



COMPONENTS LOCATED IN CUSTOMER CONNECTION BOX HIGH VOLTAGE CONNECTIONS

60HZ UNITS

50HZ (M-VOLTAGE, 110/220VAC & R-VOLTAGE, 231/400VAC)



NOTE:
 FOR FIELD WIRING TO CUSTOMER CONNECTIONS
 (TERMINAL BLOCKS)
 MAXIMUM WIRE SIZE: #12 AWG

240VAC MAX

COP1

SPLICE 9	0	1
J1-4	0	2
J3-11	0	3
SPLICE 7	16	4
SPLICE 8	16	5
DB1	16	6
ES1	56/56A	7
J3-6	68	8
J3-10	79	9
J3-15	86	10
J3-1	SHLD	11
J1-11	476	12
J1-12	477	13
J3-13	567	14
J1-16	150	15
ES1	16	25

COR1

1	0	GND
2	0	GND
3	0	MPU-2
4	13	16
5	49	16
6	56A	ALT3
7	68	SC
8	79	WTS-2
9	86	MPU-3
10	SHLD	LOS-2
11	476	MPU-1
12	477	SPLICE 2
13	567	SPLICE 3
14	150	LD-2
15		PHC

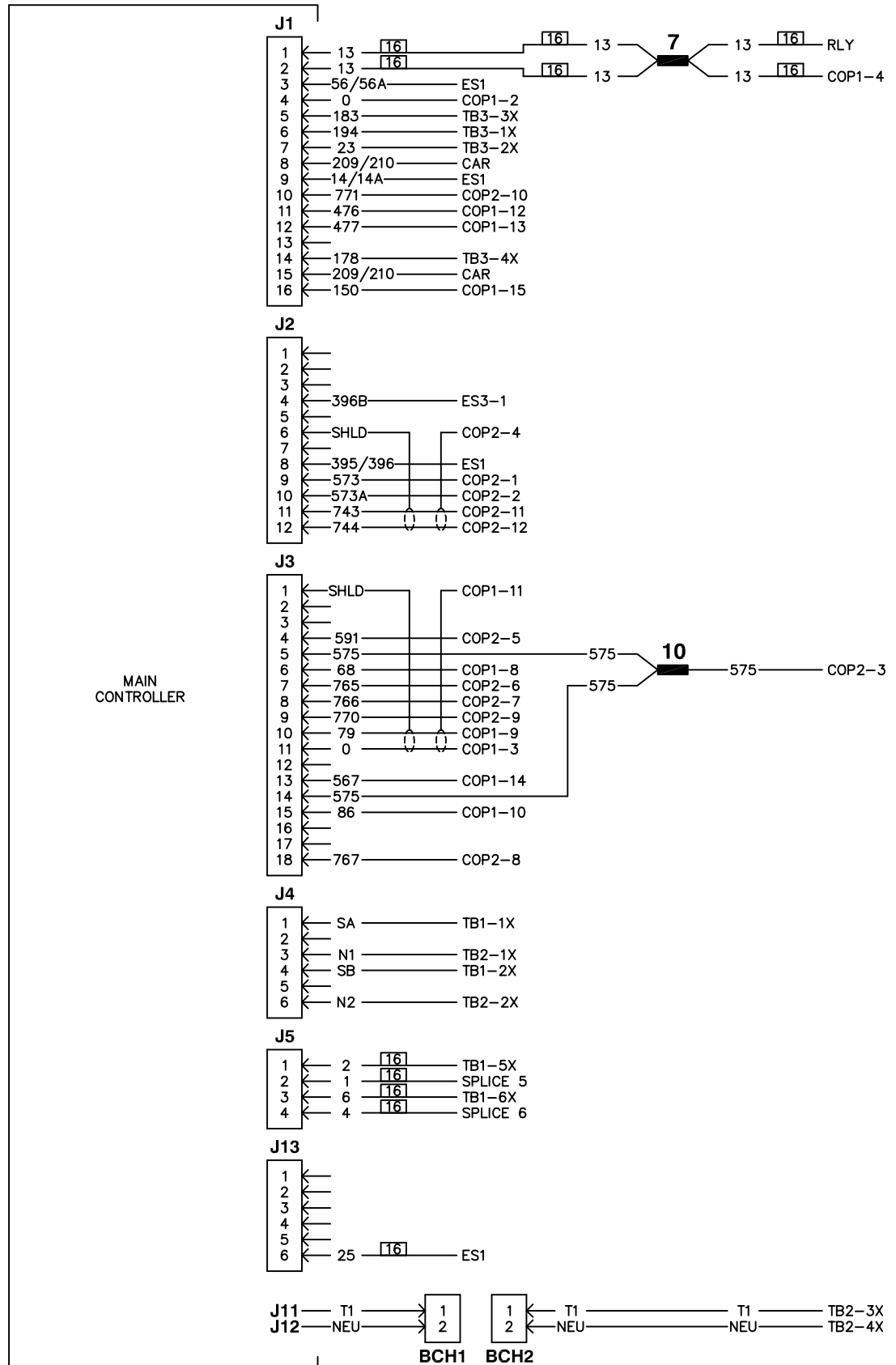
COP2

J2-9	573	1
J2-10	573A	2
SPLICE 10	575	3
J2-6	SHLD	4
J3-4	591	5
J3-7	765	6
J3-8	766	7
J3-18	767	8
J3-9	770	9
J1-10	771	10
J2-11	743	11
J2-12	744	12

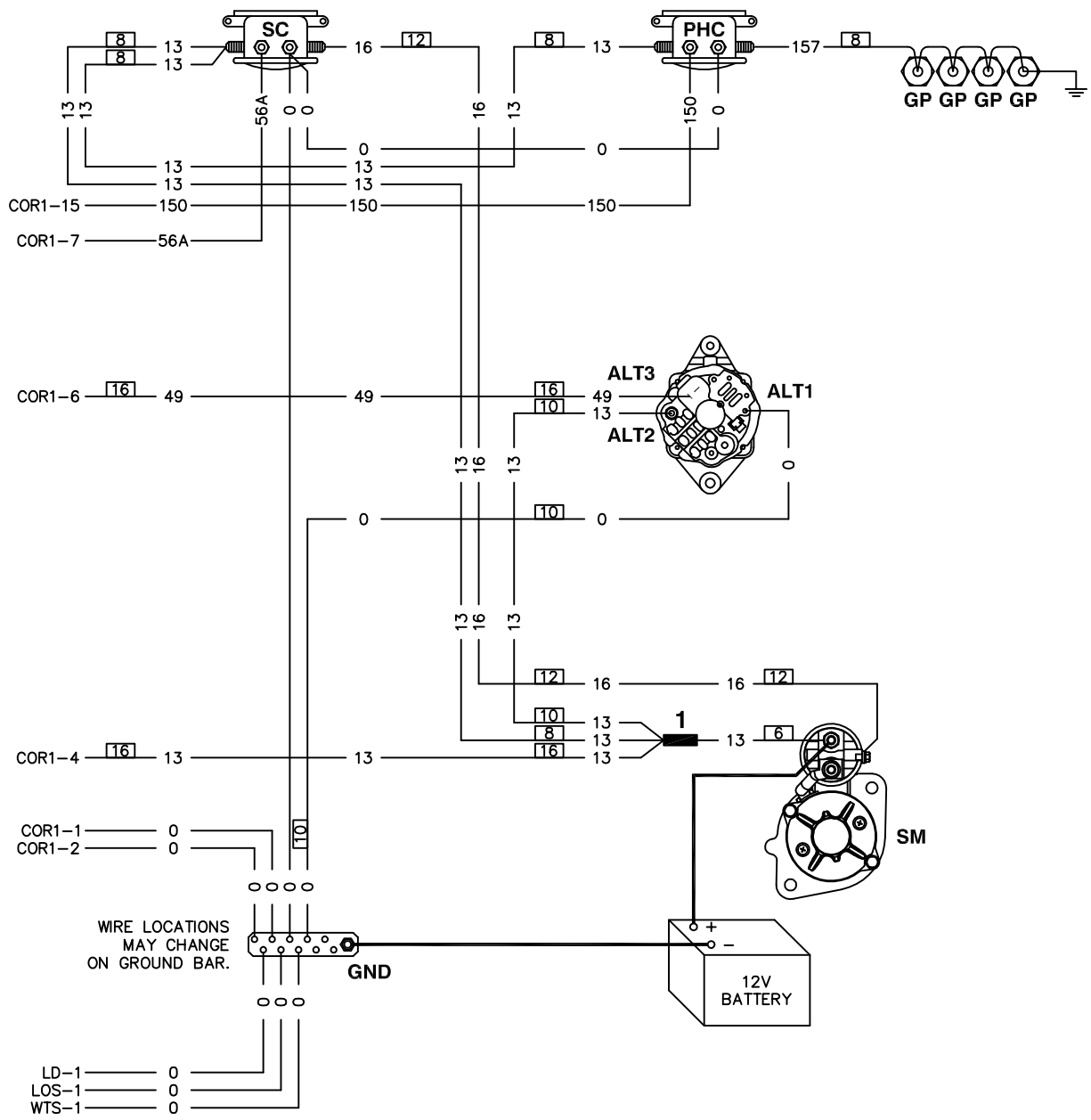
COR2

1	573	WLS-A
2	573A	WLS-B
3	575	FLS-2
4		
5	591	FLS-1
6	765	GA-3
7	766	GA-6
8	767	GA-2
9	770	GA-4
10	771	GA-1
11		
12		

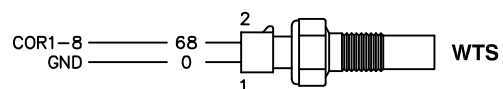
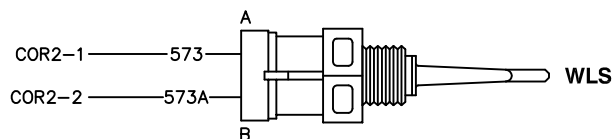
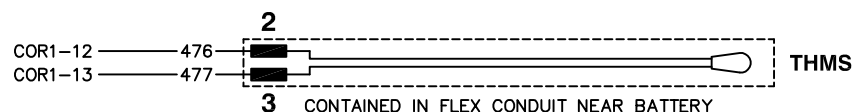
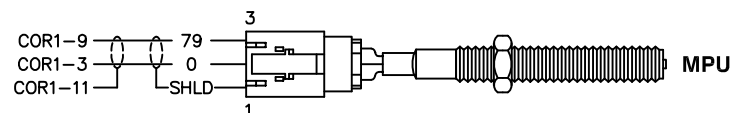
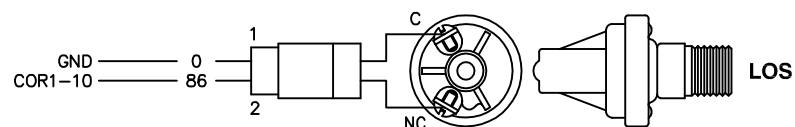
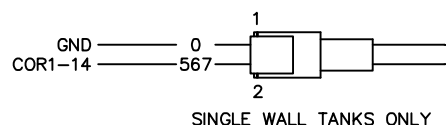
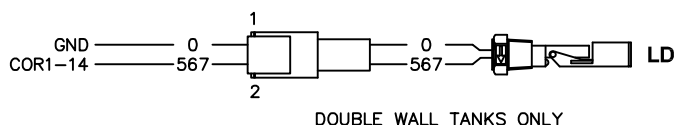
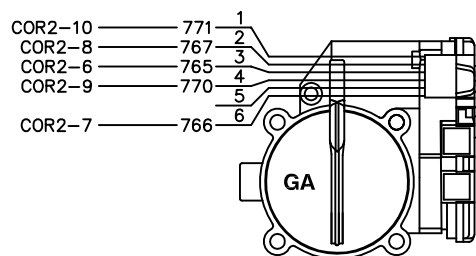
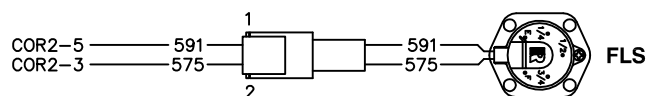
COMPONENTS LOCATED IN CONTROL PANEL



COMPONENTS LOCATED ON ENGINE



COMPONENTS LOCATED ON ENGINE



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