



**2000
ELECTRICAL WIRING
MANUAL**

MINOTOUR

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CONN	VENDOR	PART #	DESCRIPTION	QTY
2, 3	AMP	770030-1	15 POSITION CONNECTOR, CAP	2
	AMP	770005-1	14-16 GA TERMINAL, PIN	24
	AMP	770003-3	10-12 TERMINAL, PIN	3
1	AMP	770023-1	15 POSITION CONNECTOR, PLUG	1
	AMP	770006-3	14-16 GA TERMINAL, RECEPT.	9
	AMP	770004-3	10-12 GA TERMINAL, RECEPT.	5
9, 26	AMP	770022-1	12 POSITION CONNECTOR, PLUG	2
	AMP	770006-3	14-16 GA TERMINAL, RECEPTICAL	19
	AMP	770004-3	10-12 TERMINAL, RECEPTICAL	3
6	AMP	770029-1	12 POSITION CONNECTOR, CAP	3
	AMP	770005-1	14-16 GA TERMINAL, PIN	26
25	AMP	770003-3	10-12 TERMINAL, PIN	4
8	AMP	770027-1	6 POSITION CONNECTOR, CAP	2
	AMP	770005-1	14-16 GA TERMINAL, PIN	11
	AMP	770003-3	10-12 TERMINAL, PIN	.
12, 14 15, 19	AMP	770021-1	9 POSITION CONNECTOR, PLUG	4
	AMP	770006-3	14-16 GA TERMINAL, RECEPT.	34
	AMP	770004-3	10-12 GA TERMINAL, RECEPT.	.
7, 11	AMP	770028-1	9 POSITION CONNECTOR, CAP	2
	AMP	770005-1	14-16 GA TERMINAL, PIN	16
	AMP	770003-3	10-12 TERMINAL, PIN	.
.
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.
DIODE A	.	.	1 AMP 400 VOLT.	4
DIODE B	.	.	6 AMP 400 VOLT.	1
.
RELAY K1-K9	HELLA	B7122	HOUSING-RELAY, 5 POSITION.	8
	INTERLOCK	.	TERMINAL-FEMALE, 1/4", 14-16 GA.	34
	INTERLOCK	.	TERMINAL-FEMALE, 1/4", 10-12 GA.	5

NOTE: PACKARD RELAY BLOCKS ARE NOT ACCEPTABLE.

G	BUTT SPLICE 10-12 GA. TO 14-16 GA.	2
F	FEMALE DISCONNECT, 1/4" FULLY INS.	33
E	RING TERMINAL, #10 STUD, 8 AWG.	2
D	RING TERMINAL, 5/16", 8 AWG.	2
C	RING TERMINAL, #10 STUD 14-16 AWG.	3
B	FORK SPADE, #10 STUD 14-16 GA.	2
A	BUTT SPLICE, 14-16 AWG.	9
TERM	DESCRIPTION	QTY.

CIR	GA	COLOR	DESCRIPTION
17	16	BROWN	CLEARANCE LIGHTING.
19	16	BLACK	FROM CONN. #9, INT. LGT.(F) JUMPER TO RELAY K8.
19A	16	ORANGE	RELAY JUMPER, INT. LIGHTS, K2, K8, AND K9.
19C	16	BLACK/WHITE	FROM CONN. #9, INT. LGT.(R) JUMPER TO RELAY K9.
20	16	WHITE/BLACK	COMPARTMENT LIGHT FEED. (12V+)
21A	16	BLACK	INTERIOR LIGHT FEED (+), FRONT.
21B	16	BLACK/WHITE	INTERIOR LIGHT FEED (+), REAR.
21F	16	BLACK	FROM RELAY K8, INT. LIGHT SIGNAL TO CONN. #14.
21R	16	BLACK/WHITE	FROM RELAY K9, INT. LIGHT SIGNAL TO CONN. #14.
27	16	WHITE/BLACK	DESTINATION SIGN. 12 V+ FEED.
29	16	DARK BLUE	REAR DOOR BUZZER (GND)
30	16	LIGHT BLUE	HATCH OR PUSH OUT SASH (GND SIGNAL TO BUZZER)
32	16	YELLOW	VANDALOCK (GND)
33	16	WHITE	BUZZER FEED (REAR & SIDE DOOR)
38	16	PURPLE/BLACK	STROBE LIGHT FEED
40	16	BROWN/WHITE	MARKER LIGHTS
55	16	YELLOW	FLASHER TO PILOT LAMP, RIGHT-AMBER.
56	16	RED	FLASHER TO PILOT LAMP, RIGHT-RED.
57	16	RED	FLASHER TO PILOT LAMP, LEFT-RED.
58	16	YELLOW	FLASHER TO PILOT LAMP, LEFT-AMBER.
59	16	RED/BLACK	DOOR SIGNAL (GND) TO WELDON, FROM DOOR RELAY.
59A	16	RED/WHITE	DOOR SIGNAL (GND.) STEPLIGHT, FROM DOOR RELAY.
68	16	BROWN	COLD IGN., CHASSIS TO BODY FEED.
70	14	WHITE/BLACK	SWITCH PANEL LIGHTS (+).
73A	14	RED	DASH FAN LOW SPEED FEED.
73B	14	ORANGE	DASH FAN HIGH SPEED FEED.
74	16	BLACK	STEPLIGHT FEED.
76	16	BLACK/YELLOW	DOOR LIGHT FEED.
80	12	GREEN	ACTIVATION SWITCH (AMBER) TO FLASHER.
81	16	BLUE	RED WARNING LIGHT ACTIVATION SIGNAL, GND.
82	12	BLUE	FEED FROM FLASHER TO STOP ARM SOL. (12V+)
82A	16	BLUE/WHITE	FEED TO CROSSING ARM SOLENOID. (12V+)
82B	16	BLUE	FEED TO CROSSING ARM DEACT. RELAY (12V+)
85	12	BLACK	REAR HEATER FEED, HIGH.
86	14	WHITE	REAR HEATER FEED, LOW.
91	12	GREEN	FRONT HEATER FEED, HIGH.
92	14	RED	FRONT HEATER FEED, LOW.
149	12	BLACK	FLASHER MASTER POWER FEED FROM RELAY K5.
149A	16	BLACK/WHITE	FLASHER MASTER POWER SIGNAL TO CONN. #26.
160	12	BLACK	LIGHT MONITOR FEED, RIGHT (RED).
162	12	ORANGE	LIGHT MONITOR FEED, LEFT (RED).
164	12	BLUE	LIGHT MONITOR FEED, RIGHT (AMBER).
166	12	RED	LIGHT MONITOR FEED, LEFT (AMBER).
168	14	BROWN	LIGHT MONITOR FEED, TAIL LIGHTS.
168A	14	BROWN/WHITE	RELAY K1 TO DIMMER SW. CONN. #14, PARK SIGNAL.
169	16	BROWN	PARK LIGHT CIRCUIT FROM CONN. #13, CHASSIS FEED.
170	14	BLUE/WHITE	LIGHT MONITOR FEED, REVERSE LIGHTS.
172	14	RED	LIGHT MONITOR FEED, BRAKE LIGHTS.
172A	16	RED	FEED TO BRAKE RELAY (12V+ WHEN BRAKE DEPRESSED)
174	16	YELLOW	LIGHT MONITOR FEED, LEFT TURN SIGNAL.
175	16	DARK GREEN	LIGHT MONITOR FEED, RIGHT TURN SIGNAL.
458	10	ORANGE	TO STARTER SOLENOID.
459	10	ORANGE/BLACK	TO IGN. SWITCH SIDE OF START CIRCUIT.
468	14	ORANGE	HEATED MIRROR FEED (+), QUADS.
469	14	BLUE	HEATED MIRROR FEED (+), CAB.
470	14	ORANGE	STOP/CROSSING ARM HEATER POWER FEED.
504	16	RED	DOOR SWITCH (LIFT) TO BUZZER, (-) SIGNAL.
559	16	WHITE	DOOR LATCH SWITCH TO LIFT RELAY K10, (-) SIGNAL.
523	16	LIGHT GREEN	GND SIGNAL: SASH, REAR DOOR, LIFT DOOR LATCH (-)
561	16	LIGHT GREEN	TRANSMISSION LOCK-OUT LOOP.
564	16	GREEN/WHITE	TRANSMISSION LOCK-OUT LOOP.

CIR	GA	COLOR	DESCRIPTION
B	16	RED	FUSE PANEL (IGN.) TO BUZZER.
D	14	RED	FUSE PANEL (IGN.) TO DIMMER SWITCH CONN. #14.
E	14	RED	FUSE PANEL TO ELECTRIC DOOR RELAY K15/SWITCH.
F	14	RED	FROM FUSE PANEL (IGN.), HTD. MIRRORS/X-ING ARM.
G	14	RED	FUSE PANEL (IGN.) TO DASH FAN SWITCH CONN. #8.
H	14	RED	FUSE PANEL (IGN.) TO INT. LIGHT SWITCH CONN. #9
J	14	RED	FROM FUSE PANEL (IGN.) TO SWITCHES (ACCESSORY)
K	12	RED	FUSE PANEL TO WARNING LIGHT SWITCH CONN. #3.
L	12	RED	FUSE PANEL (IGN.) TO HEATER SWITCH.
R	14	RED	FUSE PANEL (IGN.) TO STROBE SWITCH CONN. #4.
X	14	RED	FUSE PANEL TO LIFT RELAY K8.
176	16	RED	FUSE PANEL (IGN.) TO LIGHT MONITOR POS. FEED.
BB	14	RED	FROM FUSE PANEL TO MARKER LIGHT CONN. #12.
CC	12	RED	FROM FUSE PANEL (BAT.) TO WELDON POWER RELAY.
EE	14	RED	FROM FUSE PANEL (BAT.) TO ELECTRIC DOOR MOTOR.
FF	14	RED	FROM FUSE PANEL (BAT.) TO INT. LIGHT SW./RELAY
GG	14	RED	FROM FUSE PANEL (BAT.) TO BRAKE RELAY
HH	12	RED	FROM FUSE PANEL TO WARNING SWITCH CONN. #3.
JJ	14	RED	FROM FUSE PANEL (BAT), CELLULAR/ACC. FEED (+).
LL	12	RED	FROM FUSE PANEL (BAT.), TO HEATER RELAY, FRONT.
KK	12	RED	FROM FUSE PANEL (BAT.), TO HEATER RELAY, REAR.
RR	12	RED	FUSE PANEL (BAT.) TO HEATED MIRROR RELAYS.
SS	14	RED	FROM FUSE PANEL (BAT.) TO STOP/CROSSING ARM.
XX	14	RED	FROM FUSE PANEL (BAT.), TO LIFT RELAYS.
IGN	8	RED	FROM FUSE PANEL TO BODY SOLENOID (COLD STUD).
BAT	8	RED	FROM FUSE PANEL TO BODY SOLENOID (HOT STUD).
SSI	14	RED	FEED FROM CIRCUIT SS, POWER FOR STOP/X-ING ARM.

CIR	GA	COLOR	DESCRIPTION
GN/JP	14	GREEN	SWITCH PANEL LIGHTS (-).
GND	12	WHITE	FLASHER/WARNING SWITCHES/LIGHT MONITOR GROUND.
GND1	16	WHITE	RELAY GROUND (MAIN HARNESS).
GND2	16	WHITE	GROUND FOR BODY POWER FEED RELAY.
GND3	14	WHITE	DASH FAN GROUND, CHASSIS HARNESS.
GND4	14	WHITE	DIMMER SWITCH GROUND.
GND5	16	WHITE	FRONT CLEARANCE, MARKER LIGHT GROUNDS
GND6	12	WHITE	FRONT WARNING LIGHT GROUNDS.
GND7	14	WHITE	CELLULAR CONNECTOR GROUND.
GND8	16	WHITE	RELAY GROUND (OPTION HARNESS).
GND9	14	LIGHT BLUE	SWITCH HARNESS GROUND, ELECTRIC DOOR.
BK1	16	BLACK	TO FLASHER RELAY, MASTER POWER TRIGGER. (12V+)
BK4	16	BLACK	TO STEP/DOOR LIGHT RELAY, TRIGGER. (12V+)
BK8	16	BLACK	FRONT HEATER TRIGGER (HIGH), RELAY K11.
BK9	16	BLACK	REAR HEATER TRIGGER (HIGH), RELAY K12.
PLT	16	RED	CURRENT SENSING PILOT LIGHT FEED TO CONN. #3.
JP1	16	BLACK/ORANGE	SWITCHED FEED FROM STEP/DOOR RELAY K4.
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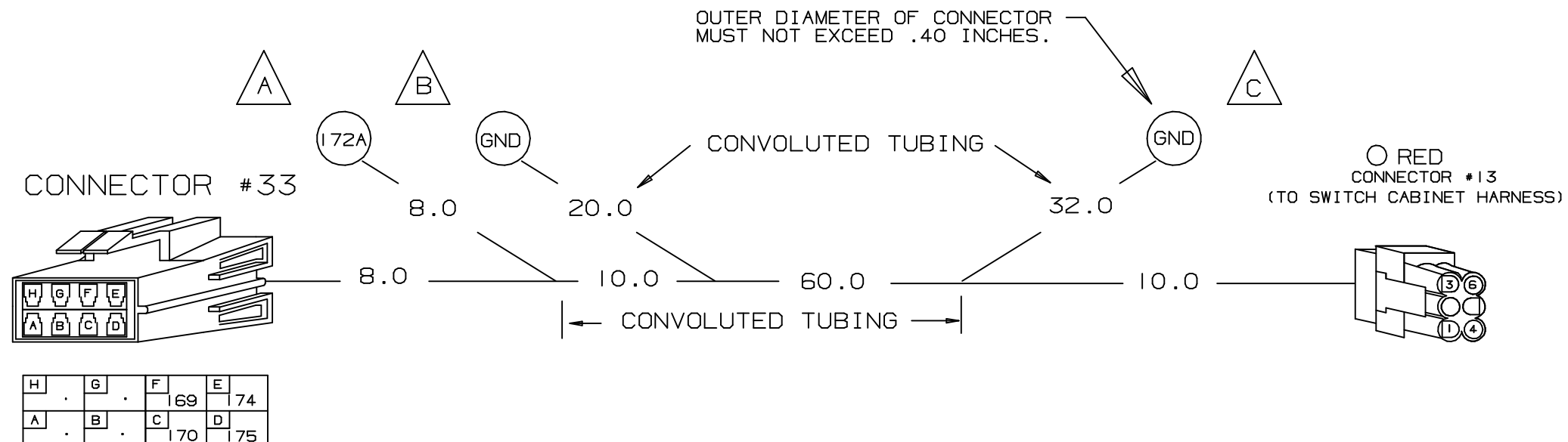


HARNESS, SWITCH CABINET PRIMARY HARNESS

Effective Date: 2/1/00
End Date: 9/5/00

CONN	VENDOR	PART #	DESCRIPTION	QTY
33	PED	1206499B	CONN. 8F, METRI PACK 280 SERIES	1
	PED	XX	TERMINALS FOR CONNECTOR	X
	PED	XX	SECONDARY LOCK TAB FOR CONNECTOR	X
13	AMP	770020-1	6 POSITION CONNECTOR, PLUG	1
	AMP	XX	14-16 GA TERMINAL, RECEP.	X
	AMP	XX	10-12 GA TERMINAL, RECEP.	X

LEAD #	AWG	COLOR	DESCRIPTION
169	16	BROWN	PARKING LIGHT CIRCUIT.
170	14	BLUE/WHITE	LIGHT MONITOR FEED, REVERSE LIGHTS.
172A	16	WHITE	BRAKE LIGHT RELAY FEED.
174	16	YELLOW	LIGHT MONITOR FEED, LEFT TURN SIGNAL.
175	16	DARK GREEN	LIGHT MONITOR FEED, RIGHT TURN SIGNAL.
GND	6	WHITE	CHASSIS TO BODY ELECTRICAL GROUND.



1	2	3
169	170	172A
4	5	6
.	174	175

H	G	F	E
.	.	169	174
A	B	C	D
.	.	170	175

8. OUTSIDE DIAMETER OF RING STYLE CONNECTORS MUST BE AS SMALL AS POSSIBLE TO ALLOW GIVEN STUD SIZE.
7. USE BLACK SLIT POLYAMIDE OR NYLON HEAT RESISTANT CONDUIT WITH A MINIMUM OF 120 DEGREES CONTRIGRADE CONTINUOUS OPERATING TEMPERATURE WHERE INDICATED. SECURELY TAPE CONDUIT TO HARNESS ON ENDS.
6. WHERE "X" IS INDICATED, USE APPROPRIATE QUANTITIES AS NEEDED FOR TERMINATION.
5. WHERE "XX" IS INDICATED, USE APPROPRIATE PART AND/OR VENDOR AS NEEDED.
4. REFER TO DWG. #52001136 FOR HARNESS SPECIFICATIONS.
3. STRIP INSULATION BACK 3/8" ON UNTERMINATED LEADS.
2. TAG HARNESS FOR IDENTIFICATION.
1. CIRCUIT NUMBERS TO BE STAMPED AT 4" INTERVALS WITH THE PREFIX "B" ON ALL LEADS.

NOTES:

TERM	DESCRIPTION	QTY.
C	RING TERMINAL, #10 STUD, 6 AWG.	X
B	RING TERMINAL, 1/2" STUD, 6 AWG.	X
A	BUTT SPLICE, 14-16 AWG.	X

PRIMARY CHASSIS INTERFACE
GM MODEL MINOTOUR



52003805 B


HARNESS, PRIMARY
CHASSIS INTERFACE, GM

Effective Date: 2/1/00

CIR	GA	COLOR	DESCRIPTION
451	16	WHITE	RESET SWITCH TO SWITCH RELAY (86 & 87) TO CHIME RELAY (87)
452	16	RED	RESET SWITCH TO SWITCH RELAY (30) TO CHIME RELAY (30)
453	16	GREEN	RESET SWITCH TO FUSE PANEL (+12 V.)
454	16	GREEN	RESET SWITCH TO CHIME RELAY (85)
455	16	GREEN	RESET SWITCH TO CHIME
456	16	BLUE	SWITCH RELAY (85) TO GROUND
457	16	DARK GREEN	RIGHT COWL MOUNTED TURN SIGNAL
458	16	ORANGE	STARTER INTERRUPT
459	16	ORANGE/BLACK	STARTER INTERRUPT
460	10	RED	FUSE PANEL TO FLASHER MOTOR
461	10	BLUE	FUSE PANEL TO RELAY
462	18	GRAY	RIGHT FRONT SPEAKER (+)
463	16	BLACK	RADIO GROUND
464	18	GRAY/BLACK	RIGHT FRONT SPEAKER (-)
465	18	WHITE	LEFT FRONT SPEAKER (+)
466	18	WHITE/BLACK	LEFT FRONT SPEAKER (-)
467			-----
468	16	ORANGE	L.S. HEATED MIRROR
469	16	BLUE	R.S. HEATED MIRROR
470	12	GREEN	PUSHER HEATER GROUND
471	12	GREEN	F.C. HEATER GROUND, DEFROSTER
472	12	GREEN	F.C. HEATER GROUND, STEP
473	12	RED	F.C. HEATER, DEFROSTER, HIGH
474	12	YELLOW	F.C. HEATER, STEP, HIGH
475	14	BROWN	F.C. HEATER, DEFROSTER, LOW
476	14	WHITE	F.C. HEATER, STEP, LOW
477	16	BLACK	HEATER PILOT LIGHT
478	16	GREEN	HEATER PILOT LIGHT GROUND
479	14	RED/BLACK	DEFROSTER HIGH CONTROL
480	14	YELLOW/WHITE	STEP HEAT HIGH CONTROL
481	16	BLACK	PANEL LIGHT JUMPER
482	16	GREEN	PANEL LIGHT GROUND JUMPER
483	8	RED	JUMPER, SOLENOID-TO-HOT FUSE BLOCK
484	2	RED	JUMPER, CHASSIS SOLENOID-TO-TERM. POST
485	4	RED	JUMPER, TERM. POST-TO-SOLENOIDS
486	4	RED	JUMPER, SOLENOID COLD-TO-FUSE BLOCKS
487	16	GREEN/BLACK	INTERMITTENT WIPER/S.C. HEADLIGHT INTERLOCK FEED
488	16	RED/BLACK	INTERMITTENT WIPER/S.C. HEADLIGHT INTERLOCK FEED
489	16	ORANGE/WHITE	ADDITIONAL SIDE DOOR BUZZER GROUND
490	16	RED	REAR STOP SIGN FEED
491	16	GREEN	REAR STOP SIGN SOLENOID
492	16	BLACK	REAR STOP SIGN PILOT LIGHT
493	16	WHITE	REAR STOP SIGN PILOT LIGHT
494	16	BROWN	DOOR LIGHT FEED
495	12	BLACK	WARNING LIGHT MONITOR FEED (RED)
496	12	ORANGE	WARNING LIGHT MONITOR FEED (RED)
497	12	BLUE	WARNING LIGHT MONITOR FEED (AMBER)
498	12	RED	WARNING LIGHT MONITOR FEED (AMBER)
499	12	WHITE	BOOSTER PUMP SWITCH FEED
500	12	WHITE	INTERIOR LIGHT SWITCH FEED

CIR	GA	COLOR	DESCRIPTION
501	16	WHITE	EMERGENCY EXIT PILOT LIGHT GROUND
502	16	YELLOW	BUZZER FEED
503	12	WHITE	MARKER LIGHT SWITCH FEED
504	16	RED	AIR HORN
505	12	WHITE	REAR HEATER SWITCH FEED
506	12	WHITE	REAR HEATER SWITCH FEED
507	16	WHITE	EMERGENCY EXIT PILOT LIGHT FEED
508	16	WHITE	COMPARTMENT LIGHT SWITCH FEED
509	14	RED	WARNING SYSTEM POWER FEED
509A	14	RED	POWER FEED TO FLASHER
509C	14	RED	POWER FEED TO LATCH RELAY (WARN SYS)
510	16	RED/BLACK	OVERRIDE SWITCH TO DOOR SWITCH TERMINAL ON WARNING SYSTEM FLASHER
511	16	RED/GREEN	LATCH RELAY COIL TO DE-LATCH RELAY N.C. TERM
512	16	WHITE	WARNING SYSTEM GROUND
513	16	RED/BLACK	DOOR SWITCH TO DE-LATCH RELAY & DIODE
514	16	GREEN/BLACK	RIGHT COWL MOUNTED WARNING LIGHT
515	16	YELLOW/BLACK	LEFT COWL MOUNTED WARNING LIGHT
516	16	RED	BODE SIDE EXIT DOOR SWITCHES
517	16	WHITE	BODE SIDE EXIT DOOR SWITCHES
518	16	GREEN	BODE SIDE EXIT DOOR SWITCHES
519	16	BLACK	BODE SIDE EXIT DOOR SWITCHES
520	16	WHITE	(SED) STEPWELL LIGHT (STANDARD)
521	16	WHITE/BLUE	(SED)STEPWELL LIGHT(CONT STEPWELL ILLUM)
522	16	ORANGE	MIRAGE LIFT
523	14	RED	DUAL CHIME SYSTEM POWER
524	14	WHITE	DUAL CHIME SYSTEM GROUND
525	16	YELLOW/WHITE	DUAL CHIME SYSTEM DOOR SIGNAL
526	16	RED	DUAL CHIME SYSTEM CHIME SIGNAL (TO TIMER)
527	16	YELLOW/WHITE	DUAL CHIME SYSTEM NON ADA STOP REQ SIG
528	16	YELLOW/BLACK	DUAL CHIME SYSTEM ADA STOP REQ SIG
529	16	BLUE	DUAL CHIME SYSTEM NON-ADA PILOT
530	14	RED	DUAL CHIME SYSTEM ADA PILOT
531	16	RED	DUAL CHIME SYSTEM LIFT DOOR SIGNAL
532	14	ORANGE	READING LIGHT POWER
533	14	BLACK	READING LIGHT GROUND
534	16	WHITE	DOOR INHIBIT GROUND
535	14	RED	DOOR INHIBIT POWER FEED
536	14	RED	T2 AC UNIT (AUTO)
537	14	YELLOW	T2 AC UNIT(COOL)
538	14	ORANGE	T2 AC UNIT(HEAT)
539	14	GREEN/BLACK	T2 AC UNIT (VENT)
540	14	GREEN/WHITE	T2 AC UNIT (FAN SPEED)
541	14	GREEN	T2 AC UNIT (DRIVER'S DEFROST)
542	14	BLUE	T2 AC UNIT(WATER TEMPERATURE)
543	14	BLUE/BLACK	T2 AC UNIT(BOOST PUMP)
544	14	BLUE/WHITE	T2 AC UNIT AC FAILURE LIGHT
545	14	ORANGE/WHITE	T2 AC UNIT COOLANT VALVE
546	16	YELLOW	24 V ALT IGN WIRE
547	12	RED	FUSE PANEL (BATT.) TO SPLICE A
547A	14	RED	SPLICE A TO CONN.2,PIN 2
547B	14	RED	SPLICE A TO CONN.1,PIN A
547C	12	RED	SPLICE A TO SPLICE B
547D	14	RED	SPLICE B TO CONN. 2,PIN 6

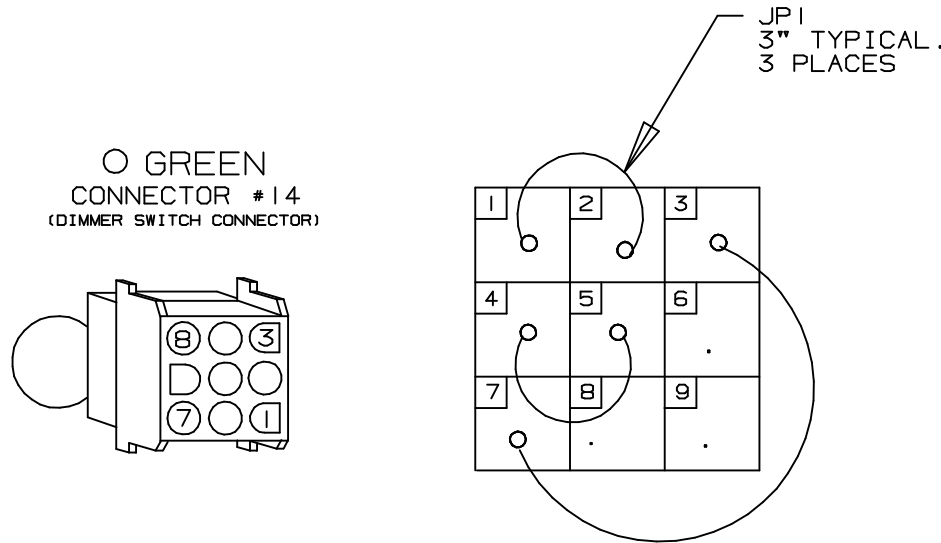
CIR	GA	COLOR	DESCRIPTION
547E	12	RED	SPLICE B TO SPLICE C
547F	14	RED	SPLICE C TO CONN. 1,PIN E
547G	14	RED	SPLICE C TO CONN. 1,PIN F
548	14	ORANGE	FUSE PANEL (ACCY) TO CONN. 2,PIN 4
549	12	BROWN	GROUND TO SPLICE D
549A	14	BROWN	SPLICE D TO CONN. 2,PIN 5
549B	12	BROWN	SPLICE D TO SPLICE E TO SPLICE F
549C	14	BROWN	SPLICE E TO CONN. 1,PIN J
549D	14	BROWN	SPLICE F TO CONN. 1,PIN G
549E	14	BROWN	SPLICE F TO CONN. 1,PIN H
550	14	GREEN	CONN. 2 PIN 3 TO CONN.1,PIN C
551	14	BLACK	CONN. 2 PIN 7 TO CONN. 1,PIN B
552	16	WH/BK	PANEL LIGHTS TO CONN. 2,PIN 8
553	14	WHITE (YELLOW)	HEATED MIRROR + 12V (FAN POWER)
554	16	GREEN	HEATED MIRROR GROUND
555	16	BLUE	GROUND SIGNAL TO WARNING SYS FLASHER
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575	18	RED	FROM SP1(-) TO SP3(+)
576	18	ORANGE	FROM SP2(-) TO SP4(+)
577	18	BLUE	FROM SP5(-) TO SP7(+)
578	18	YELLOW	FROM SP6(-) TO SP8(+)
579	2	RED	BRAUN LIFT 12 V BATT POWER
580	12	RED	BRAUN LIFT TBB SOLN COIL PWER (COLD IGN)
581	12	BLACK	BRAUN LIFT TBB SOLN GND
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	52001068 H
CHART - CIRCUITS, ELECTRICAL (BODY)	

CONN	VENDOR	PART #	DESCRIPTION	QTY
I	CARLING	99916716001	SWITCH CONNECTOR	.
	PED	12015869	18-20 GA TERMINAL	.
	PED	12015870	14-16 GA TERMINAL	.
14	AMP	770005-1	14-20 GA. TERMINAL, PIN.	6
	AMP	770003-3	10-12 GA. TERMINAL, PIN.	.
	AMP	770028-1	9 POSITION CONNECTOR, CAP.	1
RELAY KI	HELLA	87122	HOUSING-RELAY, 5 POSITION.	.
	INTERLOCK	.	TERMINAL-FEMALE, 1/4", 14-16 GA.	.
	INTERLOCK	.	TERMINAL-FEMALE, 1/4", 10-12 GA.	.

5. STRIP INSULATION BACK 3/8" ON UNTERMINATED LEADS.
 4. REFER TO DWG. #52001136 FOR HARNESS SPECIFICATIONS.
 3. FULLY TAPE BREAKOUTS FOR 3"-2" SPACING OTHERWISE.
 2. TAG HARNESS FOR IDENTIFICATION.
 1. CIRCUIT NUMBERS TO BE STAMPED AT 4" INTERVALS WITH THE PREFIX "B"
- NOTES: ON ALL LEADS.

LEAD #	AWG	COLOR	DESCRIPTION
JPI	16	BLACK	JUMPER, 21F, 21A-21R, 21B-168A, 70.
.	.	.	.



DIMMER BY-PASS, DASH LIGHTING
STANDARD ACTIVATION, SRW, DRW

D	.	.	BUTT SPLICE, 14-16 GA BLUE.	.
C	.	.	RING TERMINAL, #10 STUD, 14-16 GA.	.
B	.	.	MALE RECEP., 1/4", 14-16 GA.	.
A	.	.	FEMALE FAST-ON, 1/4", 14-16 GA.	.
	VENDOR	PART #	DESCRIPTION	QTY

	52003719 A
HARNESS, DIMMER BY-PASS, DASH/DOME LIGHTS	
Effective Date: 2/1/00	

SYSTEM OPERATION

OPTION B3255-03-000

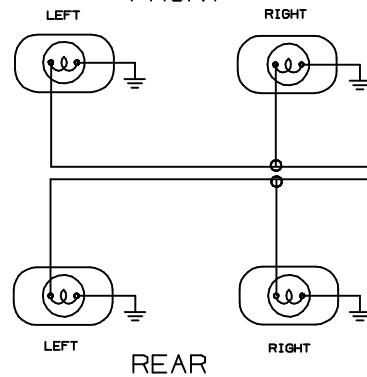
1. ALL DOME LIGHTS AND BUZZER ACTIVATED WHEN REAR DOOR IS OPENED IN ADDITION TO THEIR NORMAL ACTIVATION BY SWITCH(ES) IN SWITCH PANEL.

DRIVER'S DOME

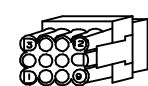


CONNECT TO FACTORY WIRING. FOR GM USE ORANGE (+) & WHITE (-), FOR FORD USE BLACK W/BUE STRIPE (+) AS FEED, CREATE GROUND. WIRING LOCATED ON DRIVERS SIDE B-PILLAR, BOTH CHASSIS.

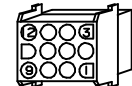
INTERIOR LIGHTS FRONT



RED CONNECTOR #16 (MAIN BODY FRONT)



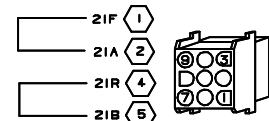
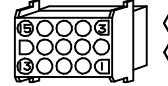
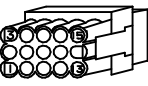
RED CONNECTOR #16 (MAIN BODY REAR)



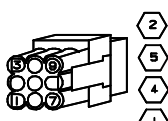
BLUE CONNECTOR #2 (SWITCH PANEL HARNESS)



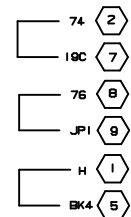
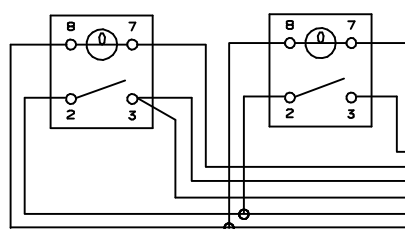
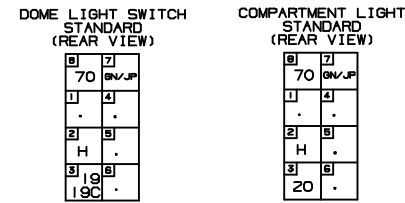
BLUE CONNECTOR #2 (MAIN BODY FRONT)



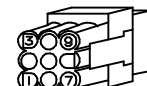
GREEN CONNECTOR #14 (STANDARD HARNESS) P/N 52003719



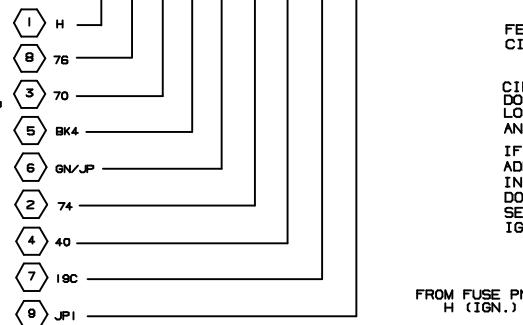
GREEN CONNECTOR #14 (SWITCH PANEL HARNESS)



BLUE CONNECTOR #10 (STEP/DOOR LIGHT CONN.) P/N 52003678



BLUE CONNECTOR #10 (DOME SWITCH HARNESS)

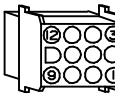


FEED FROM MARKER LIGHTS, CIRCUIT NUMBER 40.

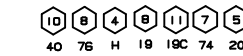
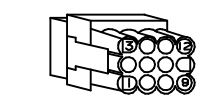
CIRCUIT #76 IS THE DOOR LIGHT FEED WHICH IS LOCATED IN THE FRONT AND REAR MAIN HARNESS. IF DOOR LIGHTS ARE INSTALLED, ADD RELAY TO BLOCK K4 LOCATED IN THE SWITCH PANEL HARNESS. DOOR LIGHTS ARE HOT WHEN SERVICE DOOR IS OPEN AND IGN. IS ON.

FROM FUSE PNL. H (IGN.)

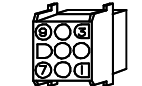
BLUE CONNECTOR #9 (DOME/STEP SWITCH HARNESS) P/N 52003674



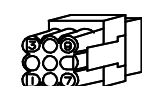
BLUE CONNECTOR #9 (SWITCH CABINET HARNESS)



COMPARTMENT LIGHT

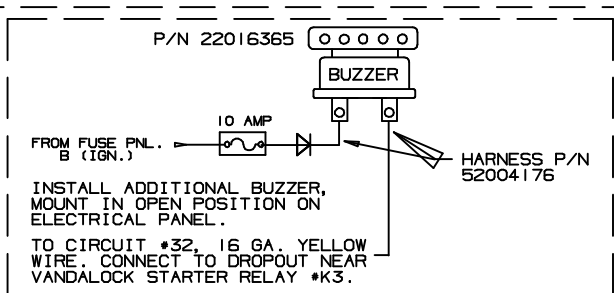


GREEN CONNECTOR #11 (SWITCH CABINET HARNESS)



GREEN CONNECTOR #11 (STANDARD BODY HARNESS, FRONT) P/N 52003777

STEPLIGHT

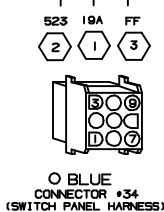


STANDARD BUZZER P/N 22016365 SWITCH CABINET

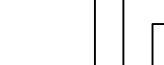
FROM FUSE PNL. B (BAT.)

CIRCUIT "B" SHOULD BE RELOCATED TO A "BATTERY" POSITION ON FUSE BLOCK. FUSE AT 10 AMPS.

INSTALL RELAYS IN BLOCKS K2 AND K9. IF ADDITIONAL DOME LIGHTS ARE ORDERED, (B3200-00-000) INSTALL RELAY IN BLOCK K8 ALSO.



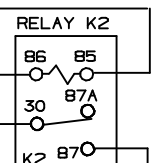
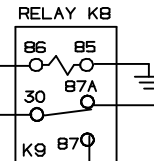
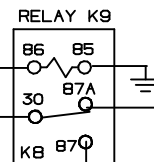
BLUE CONNECTOR #34 (OPTION HARNESS) P/N 52004124



BLUE CONNECTOR #34 (SWITCH PANEL HARNESS)

FROM FUSE PNL. FF (BAT.)

20 AMP



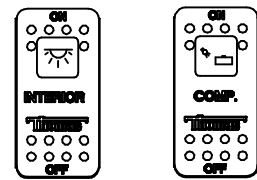
SPECIAL DOME LIGHT ACTIVATION

OPTION B3255-03-000
MINOTOUR SRW, DRW

Thomas 52003699 D

DOME LIGHT, OPTIONAL ACTIVATION

Effective Date: 2/1/00



SYSTEM OPERATION

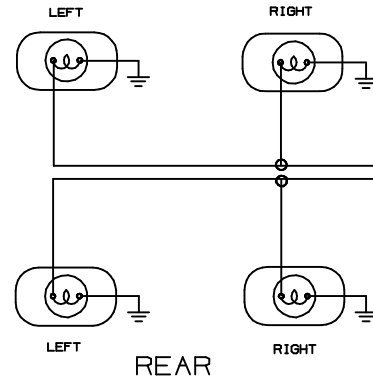
1. DOME SWITCH LOCATED IN SWITCH PANEL TO OPERATE ALL INTERIOR DOME LIGHTS (EXCEPT DRIVER DOME ON MINITOUR) WITH IGNITION ON.
2. STEPLIGHT TO OPERATE ONLY WHEN ENTRANCE IS OPEN AND MARKER LIGHTS ARE ON.
3. DOOR LIGHTS OPERATE THROUGH STEP LIGHT CIRCUIT.

DRIVER'S DOME

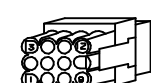


CONNECT TO FACTORY WIRING. FOR GM USE ORANGE (+) & WHITE (-), FOR FORD USE BLACK W/BUE STRIPE (+) AS FEED, CREATE GROUND. WIRING LOCATED ON DRIVERS SIDE B-PILLAR, BOTH CHASSIS.

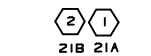
INTERIOR LIGHTS FRONT



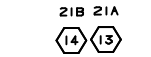
RED CONNECTOR #16 (MAIN BODY FRONT)



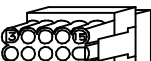
RED CONNECTOR #16 (MAIN BODY REAR)



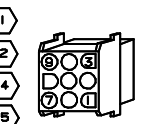
BLUE CONNECTOR #2 (SWITCH PANEL HARNESS)



BLUE CONNECTOR #2 (MAIN BODY FRONT)



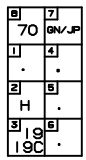
GREEN CONNECTOR #14 (STANDARD HARNESS) P/N 52003719



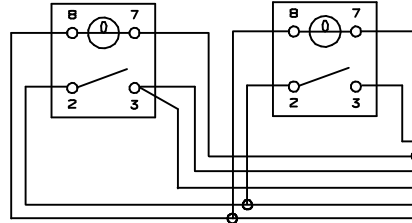
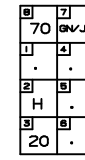
GREEN CONNECTOR #14 (SWITCH PANEL HARNESS)



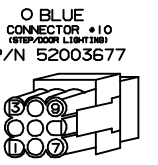
DOME LIGHT SWITCH STANDARD (REAR VIEW)



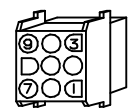
COMPARTMENT LIGHT STANDARD (REAR VIEW)



BLUE CONNECTOR #10 (STEP/DOOR LIGHTS) P/N 52003677



BLUE CONNECTOR #10 (SWITCH HARNESS-STEP/DOOR)

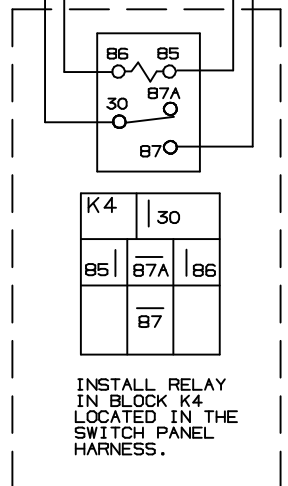


STEPLIGHT CONFIGURATION PLUG. OPTION B3290-00-000 IS SHOWN.

FROM FUSE PNL. H (IGN.)

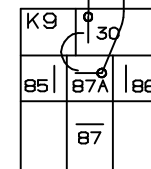
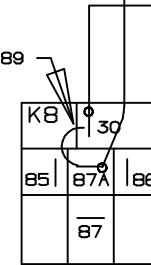
20 AMP

H 14 RD



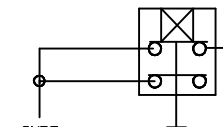
INSTALL RELAY IN BLOCK K4 LOCATED IN THE SWITCH PANEL HARNESS.

P/N 52003389



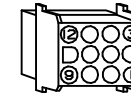
GND3

DOOR SWITCH (SHOWN WITH DOOR OPEN)

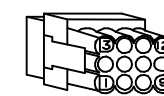


STANDARD DOME/DOOR LIGHTS W/STEP OPT. B3290-00-000 MINITOUR SRW, DRW

BLUE CONNECTOR #9 (DOME/STEP SWITCH HARNESS) P/N 52003674



BLUE CONNECTOR #9 (SWITCH CABINET HARNESS)

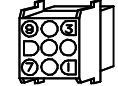


FEED FROM MARKER LIGHTS, CIRCUIT NUMBER 40.

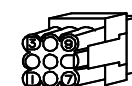
CIRCUIT #76 IS THE DOOR LIGHT FEED WHICH IS LOCATED IN THE FRONT AND REAR MAIN HARNESS. AS STANDARD HOOK-UP, THIS CIRCUIT IS HOT WHEN THE SERVICE DOOR IS OPEN AND IGN. IS ON.

COMPARTMENT LIGHT

GREEN CONNECTOR #11 (SWITCH CABINET HARNESS)



GREEN CONNECTOR #11 (STANDARD BODY HARNESS, FRONT) P/N 52003777



STEPLIGHT



52003696 C

STEPLIGHT

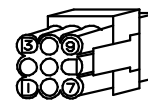
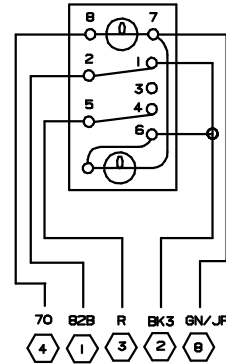
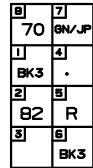
Option: B3290-00-000
Effective Date: 2/1/00



SYSTEM OPERATION
B3576-00-000

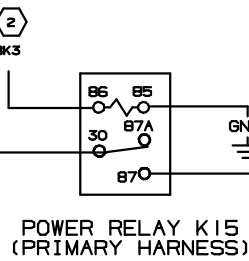
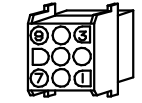
1. STROBE LIGHT TO BE OPERATED BY SWITCH LOCATED ON SWITCH PANEL, OR WHEN RED WARNING LIGHTS ARE ACTIVATED BY DOOR SWITCH.

STROBE LIGHT SWITCH (REAR VIEW)



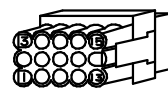
BLUE CONNECTOR #4 P/N 52003711

BLUE CONNECTOR #4 (OPTION HARNESS)

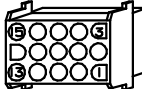


POWER RELAY K15 (PRIMARY HARNESS)

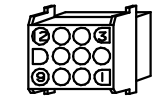
GREEN CONNECTOR #1 (SWITCH PANEL HARNESS)



GREEN CONNECTOR #1 (MAIN BODY FRONT)



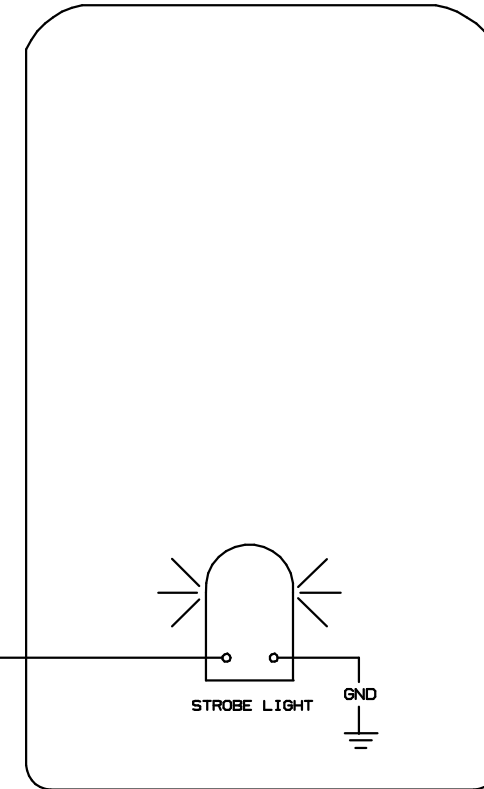
RED CONNECTOR #16 (MAIN BODY FRONT)



RED CONNECTOR #16 (MAIN BODY REAR)

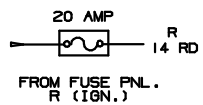
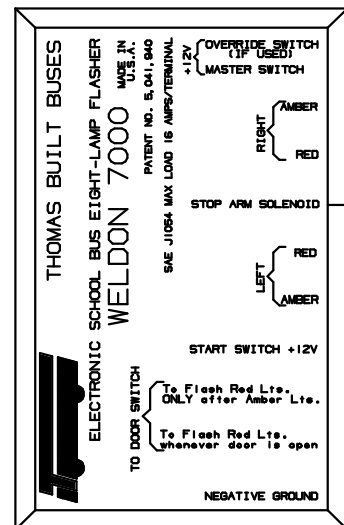


MINOTOUR BODY FRONT



STROBE LIGHT

REAR



FROM FUSE PNL. R (IGN.)

STROBE LIGHT ACTIVATION
OPTION B3576-00-000
MINOTOUR SRW, DRW

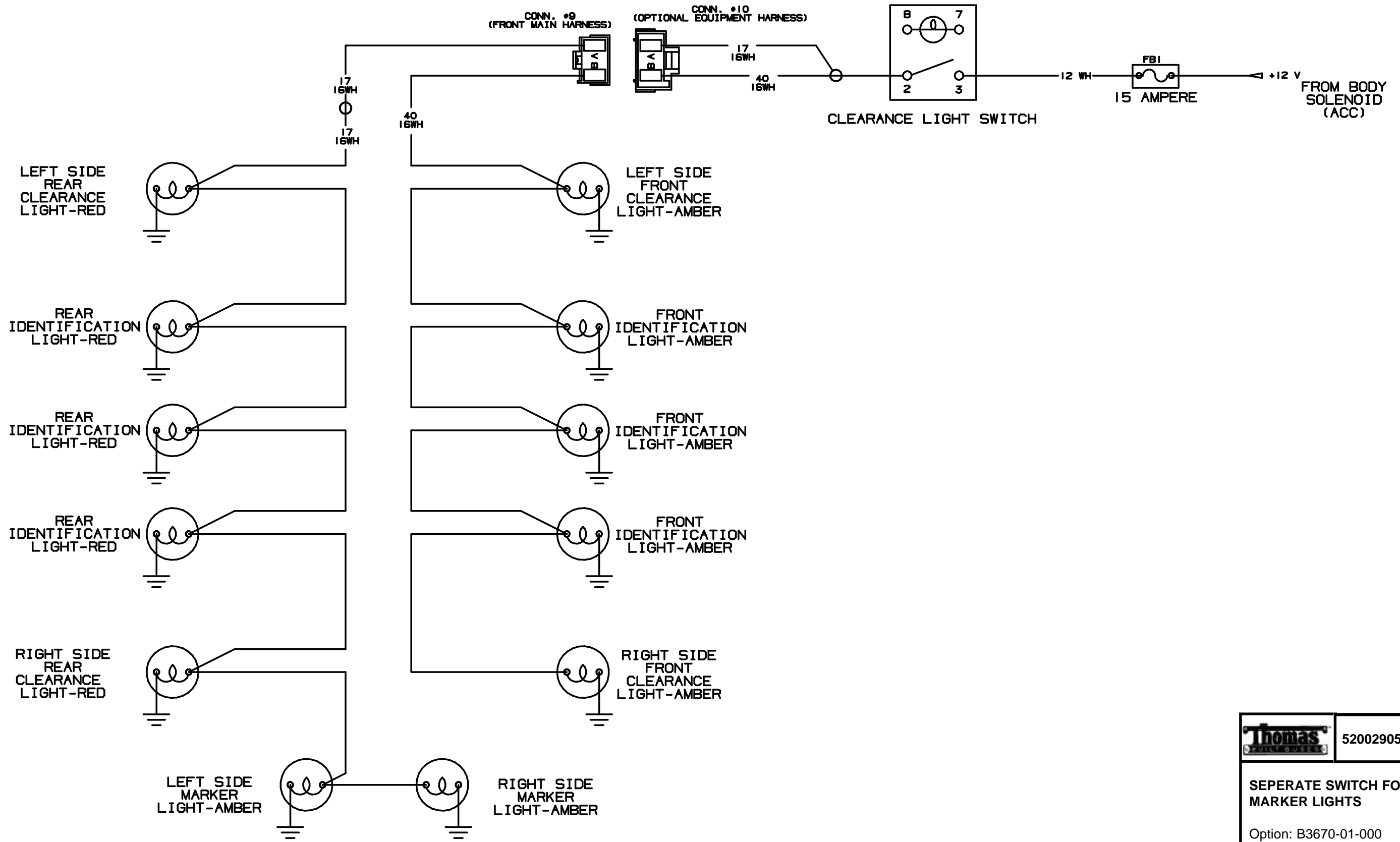


52003715 C

STROBE LIGHT

Option: B3576-00-000
Effective Date: 2/1/00

DO NOT CONNECT CONN. 10 FROM CHASSIS INTERFACE HARNESS.

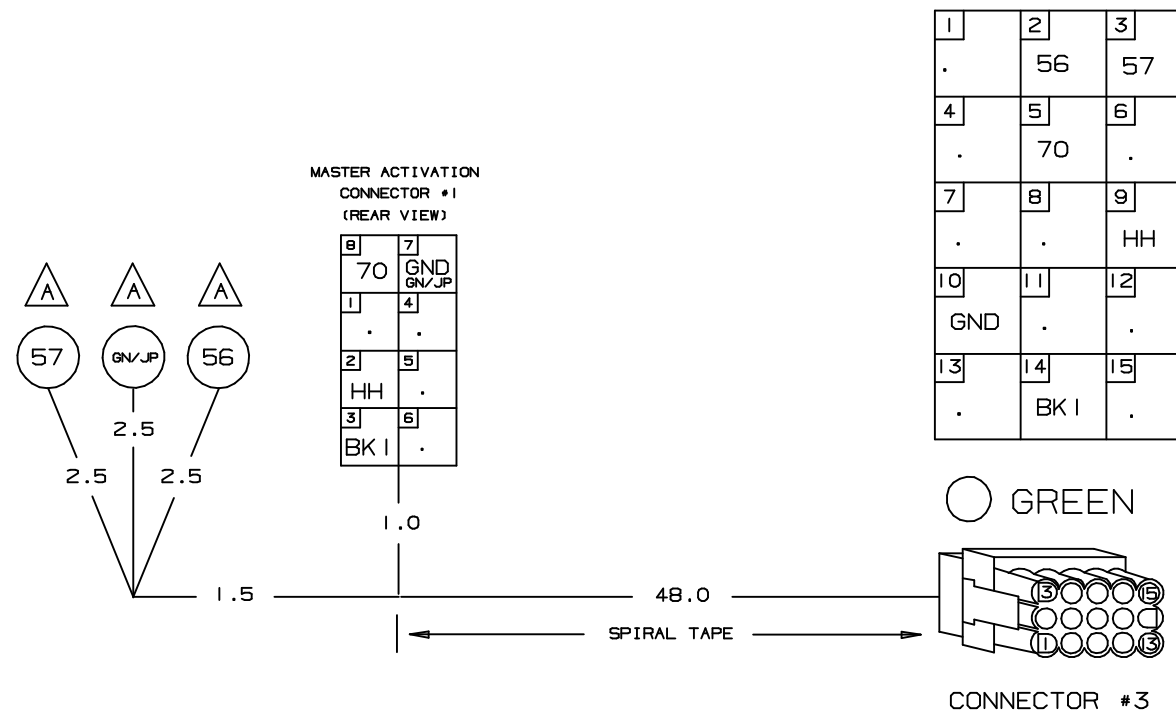


Thomas ELECTRICAL	52002905 A
SEPERATE SWITCH FOR MARKER LIGHTS	
Option: B3670-01-000	

CONN	VENDOR	PART #	DESCRIPTION	QTY
1	CARLING	99916716001	SWITCH CONNECTOR	1
	PED	12015869	18-20 GA TERMINAL	4
	PED	12015870	14-16 GA TERMINAL	1
3	AMP	770006-3	14-20 GA. TERMINAL, RECEPTICAL.	5
	AMP	770004-3	10-12 GA. TERMINAL, RECEPTICAL.	.
	AMP	770023-1	15 POSITION CONNECTOR, PLUG.	1
RELAY K1	HELLA	87122	HOUSING-RELAY, 5 POSITION.	.
	INTERLOCK	.	TERMINAL-FEMALE, 1/4", 14-16 GA.	.
	INTERLOCK	.	TERMINAL-FEMALE, 1/4", 10-12 GA.	.

5. STRIP INSULATION BACK 3/8" ON UNTERMINATED LEADS.
 4. REFER TO DWG. #52001136 FOR HARNESS SPECIFICATIONS.
 3. FULLY TAPE BREAKOUTS FOR 3"-2" SPACING OTHERWISE.
 2. TAG HARNESS FOR IDENTIFICATION.
 1. CIRCUIT NUMBERS TO BE STAMPED AT 4" INTERVALS WITH THE PREFIX "B"
- NOTES: ON ALL LEADS.

LEAD #	AWG	COLOR	DESCRIPTION
HH	18	RED	12V+ BAT. FROM FUSE PANEL.
BK1	18	BLACK	FROM SWITCH TO WELDON RELAY (+).
56	18	RED	WARNING LIGHT TO FLASHER, RED.
57	18	RED	WARNING LIGHT TO FLASHER, RED.
70	18	WHITE/BLACK	SWITCH PANEL LIGHTS (+)
GN/JP	18	GREEN	GROUND, SWITCH LIGHT JUMPER (-).
GND	18	WHITE	CHASSIS GROUND.
.	.	.	.
.	.	.	.



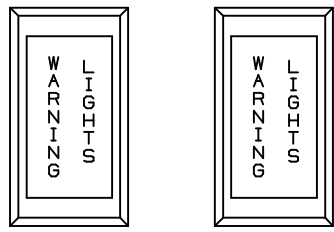
OPTION: B3540-02-000
(SRW, DRW MODELS ONLY)

D	.	.	BUTT SPLICE, 14-16 GA BLUE.	.
C	.	.	RING TERMINAL, #10 STUD, 14-16 GA.	.
B	.	.	MALE RECEPT., 1/4", 14-16 GA.	.
A	.	.	FEMALE FAST-ON, 1/4", 14-16 GA.	3
	VENDOR	PART #	DESCRIPTION	QTY



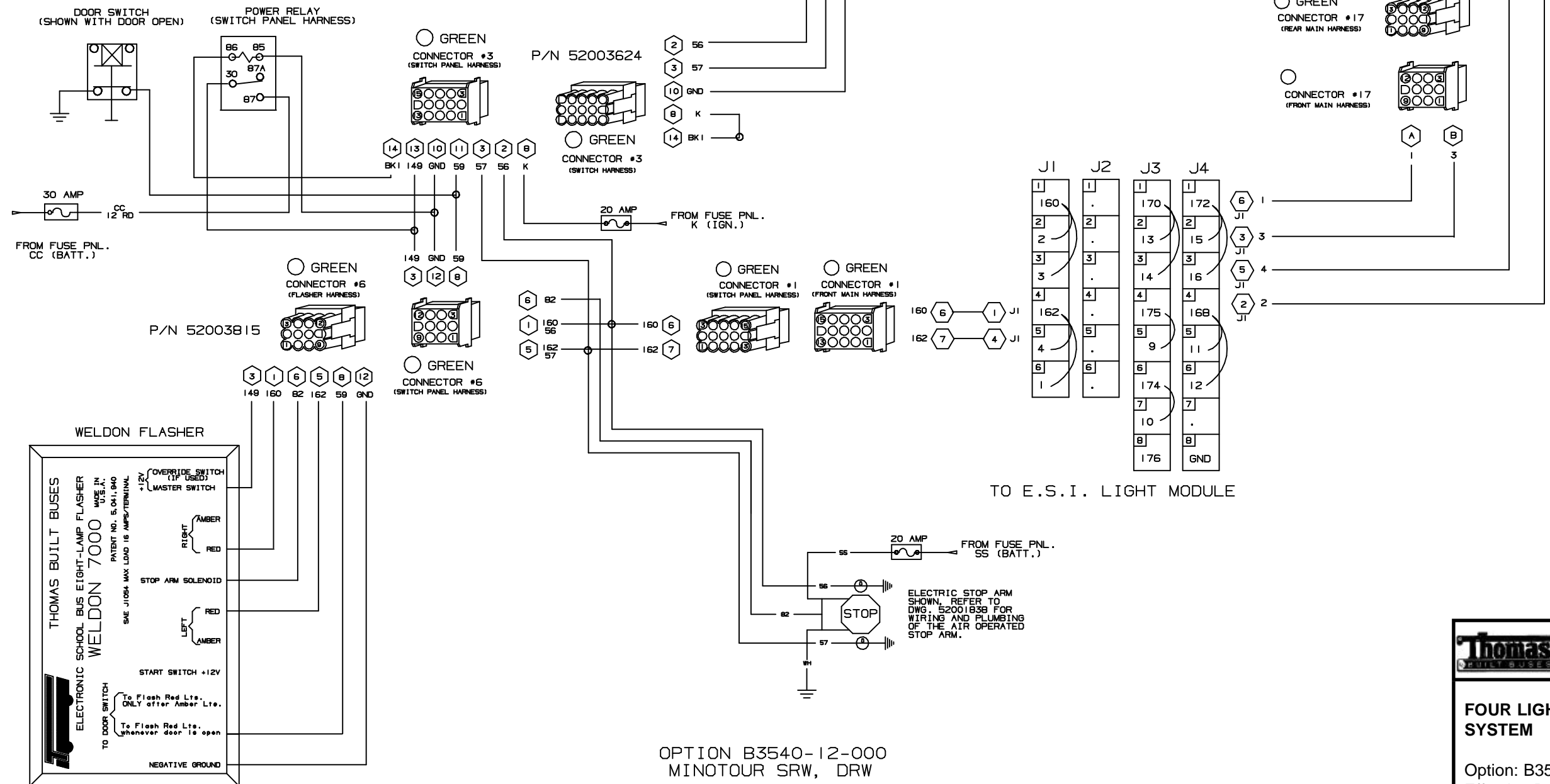
HARNESS, FOUR LIGHT WARNING SYSTEM

Option: B3540-02-000
Effective Date: 2/1/00



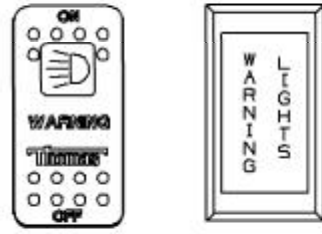
**B3540-12-000
SYSTEM OPERATION**

1. INCLUDES DOOR CONTROL SWITCH AND PILOT LIGHT MOUNTED ON SWITCH PANEL.
2. BAADER-BROWN FLASHER MOTOR.
3. VIRGINIA SPECIFICATION.



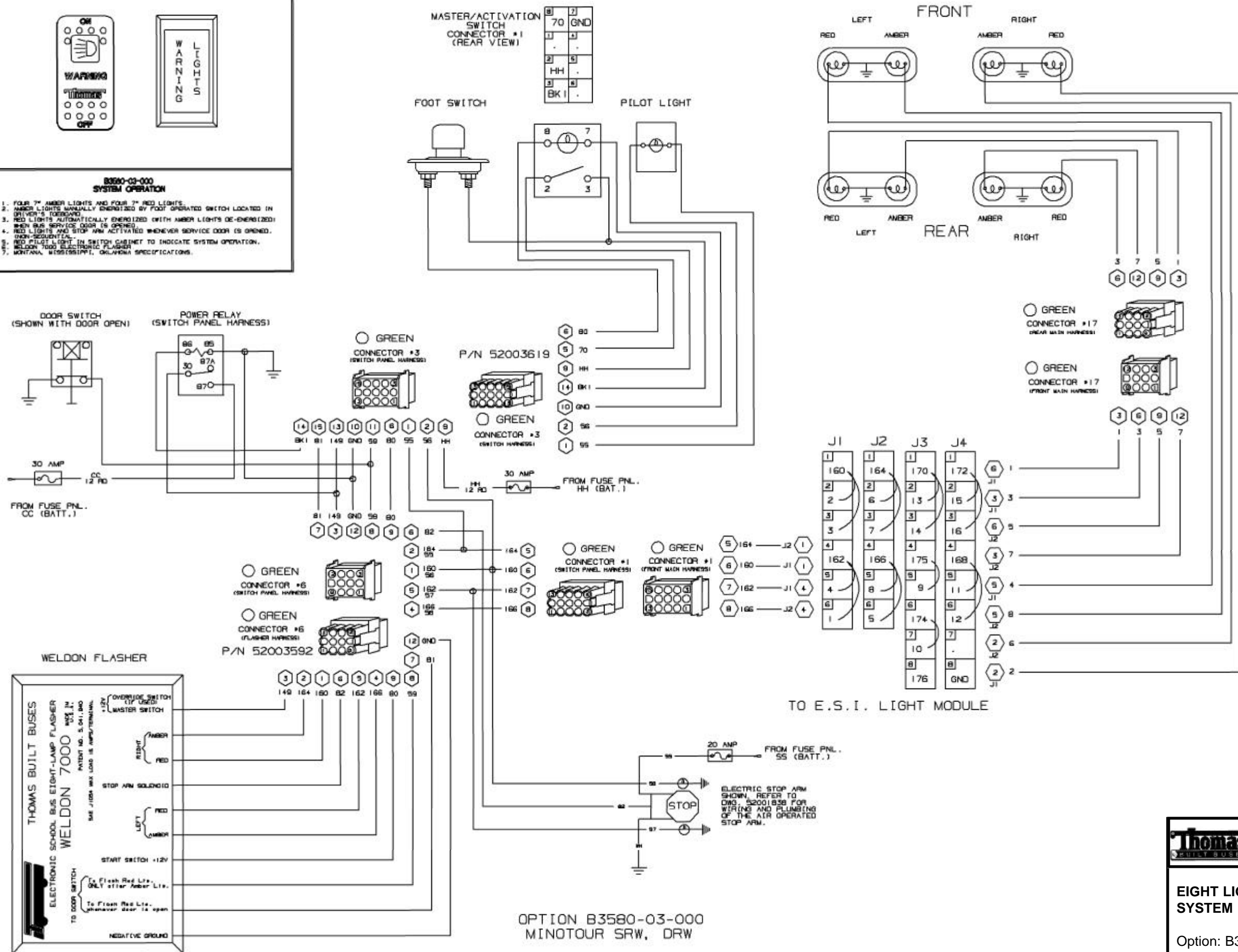
OPTION B3540-12-000
MINOTOUR SRW, DRW

Thomas BUS BUSES	52003632 B
FOUR LIGHT WARNING SYSTEM	
Option: B3540-12-000 Effective Date: 2/1/00	



**B3580-03-000
SYSTEM OPERATION**

1. FOUR 7" AMBER LIGHTS AND FOUR 7" RED LIGHTS.
2. AMBER LIGHTS MANUALLY ENERGIZED BY FOOT OPERATED SWITCH LOCATED IN DRIVER'S FOOTBOARD.
3. RED LIGHTS AUTOMATICALLY ENERGIZED WITH AMBER LIGHTS DE-ENERGIZED WHEN BUS SERVICE DOOR IS OPENED.
4. RED LIGHTS AND STOP ARM ACTIVATED WHENEVER SERVICE DOOR IS OPENED. NON-SEQUENTIAL.
5. RED PILOT LIGHT IN SWITCH CABINET TO INDICATE SYSTEM OPERATION.
6. WELDON 7000 ELECTRONIC FLASHER.
7. MONTANA, MISSISSIPPI, OKLAHOMA SPECIFICATIONS.



OPTION B3580-03-000
MINOTOUR SRW, DRW



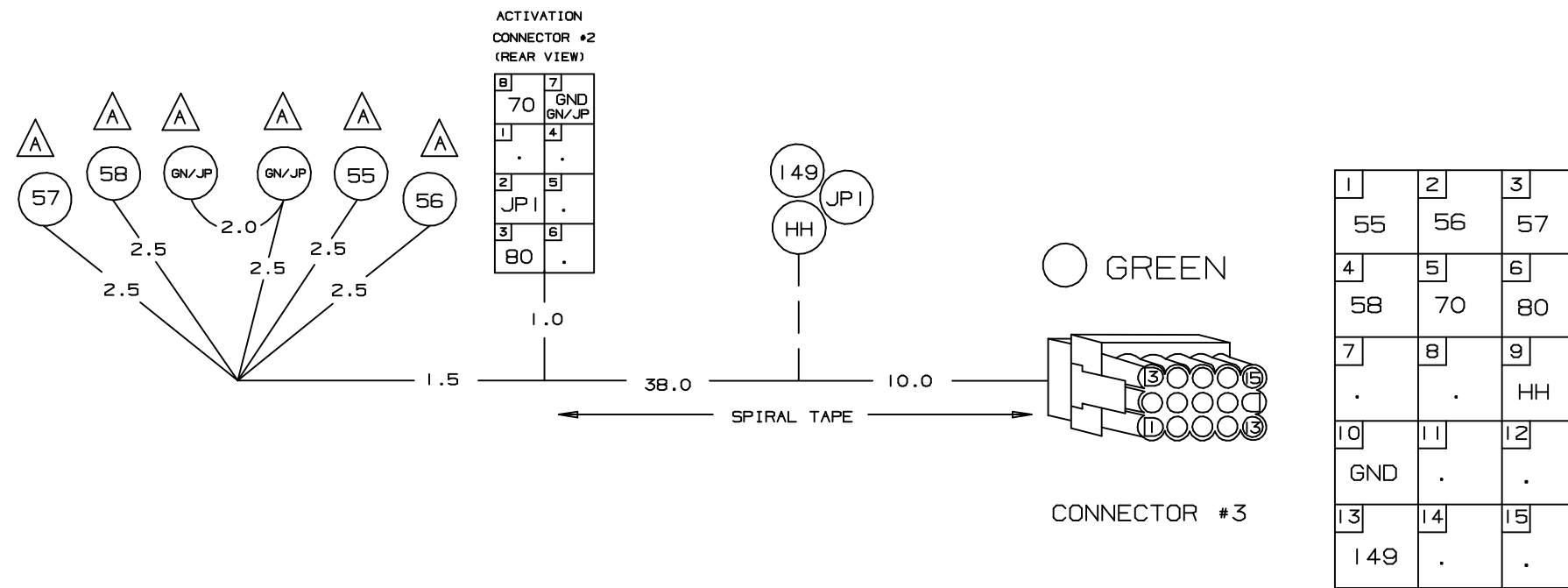
EIGHT LIGHT WARNING SYSTEM

Option: B3580-03-000
Effective Date: 2/1/00

CONN	VENDOR	PART #	DESCRIPTION	QTY
2	CARLING	99916716001	SWITCH CONNECTOR	1
	PED	12015869	18-20 GA TERMINAL	3
	PED	12015870	14-16 GA TERMINAL	2
	PED	12084590	10-12 GA TERMINAL	0
3	AMP	770006-3	14-20 GA. TERMINAL, RECEPTICAL.	9
	AMP	770004-3	10-12 GA. TERMINAL, RECEPTICAL.	.
	AMP	770023-1	15 POSITION CONNECTOR, PLUG.	1
RELAY	HELLA	87122	HOUSING-RELAY, 5 POSITION.	.
	INTERLOCK	.	TERMINAL-FEMALE, 1/4", 14-16 GA.	.
	INTERLOCK	.	TERMINAL-FEMALE, 1/4", 10-12 GA.	.

5. STRIP INSULATION BACK 3/8" ON UNTERMINATED LEADS.
4. REFER TO DWG. #52001136 FOR HARNESS SPECIFICATIONS.
3. FULLY TAPE BREAKOUTS FOR 3"-2" SPACING OTHERWISE.
2. TAG HARNESS FOR IDENTIFICATION.
1. CIRCUIT NUMBERS TO BE STAMPED AT 4" INTERVALS WITH THE PREFIX "B"
NOTES: ON ALL LEADS.

LEAD #	AWG	COLOR	DESCRIPTION
HH	12	RED	12V+ BAT. FROM FUSE PANEL.
149	12	BLACK	FLASHER POWER.
80	16	GREEN	ACTIVATION SW (AMBER) TO FLASHER.
GND	18	WHITE	CHASSIS GROUND.
70	18	WHITE/BLACK	SWITCH PANEL LIGHTS (+)
55	18	YELLOW	WARNING LIGHT TO WELDON, AMBER.
56	18	RED	WARNING LIGHT TO WELDON, RED.
57	18	RED	WARNING LIGHT TO WELDON, RED.
58	18	YELLOW	WARNING LIGHT TO WELDON, AMBER.
GN/JP	18	GREEN	GROUND, SWITCH LIGHT JUMPER. (-)
JPI	16	RED	SWITCH JUMPER (+)
.	.	.	.



OPTION: B3580-06-000
(SRW, DRW MODELS ONLY)

D	.	.	BUTT SPLICE, 14-16 GA BLUE.	.
C	.	.	RING TERMINAL, #10 STUD, 14-16 GA.	.
B	.	.	MALE RECEPT., 1/4", 14-16 GA.	.
A	.	.	FEMALE FAST-ON, 1/4", 14-16 GA.	6
	VENDOR	PART #	DESCRIPTION	QTY

	52003604 A
HARNESS, EIGHT LIGHT WARNING SYSTEM	
Option: B3580-06-000 Effective Date: 2/1/00	

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

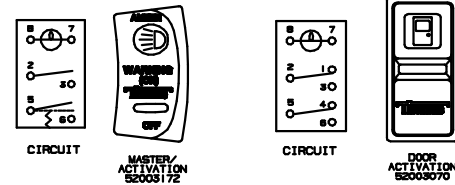
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- You can download the complete manual from: www.heydownloads.com by clicking the link below



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SWITCH LAYOUT

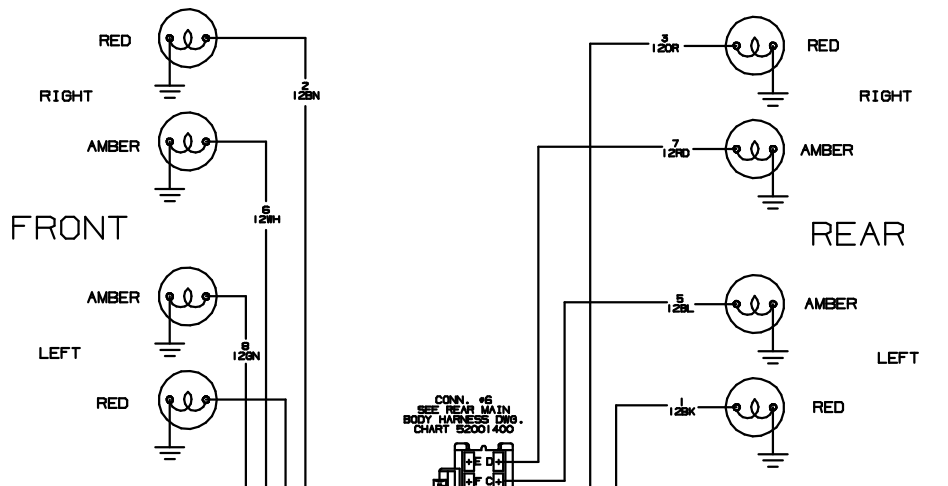
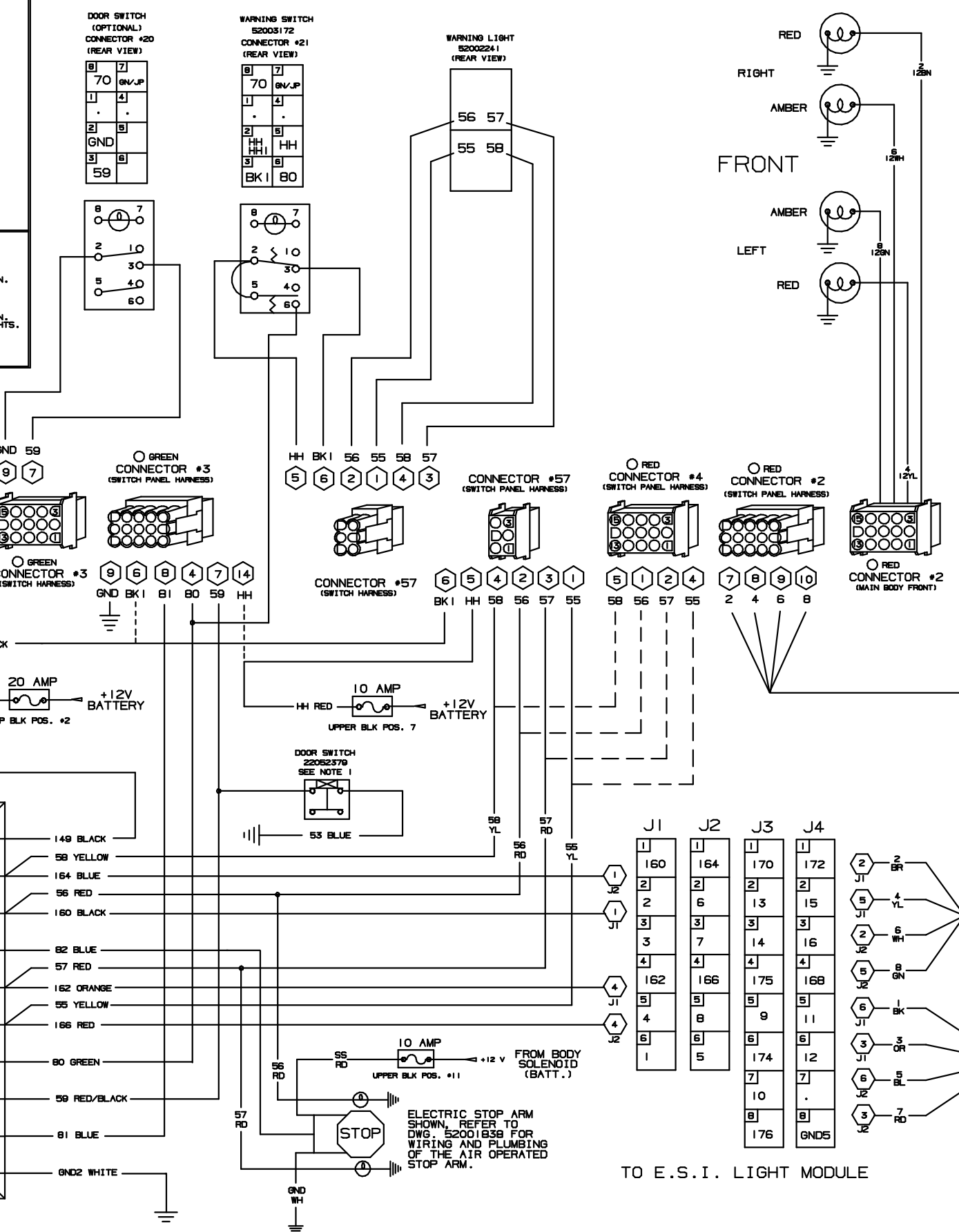
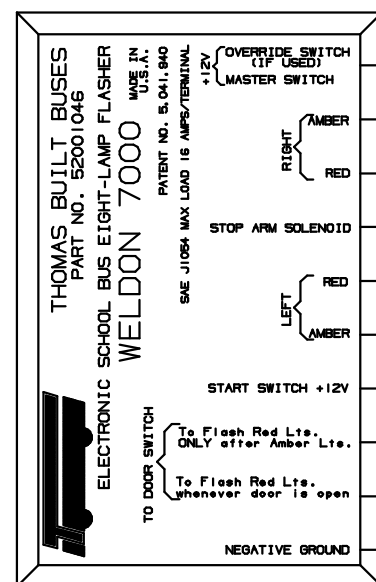
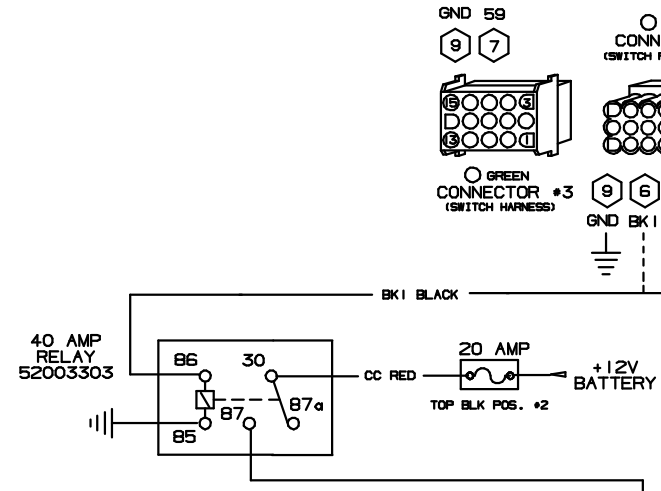


SWITCH BOX REQUIRED

MANUAL DOOR	52002144
AIR DOOR	52002145
ELECTRIC DOOR	52002145

B3580-11-000 SYSTEM OPERATION

- FOUR 7" AMBER LIGHTS AND FOUR 7" RED LIGHTS.
- AMBER LIGHTS MANUALLY ENERGIZED BY ROCKER SWITCH LOCATED IN A SWITCH BOX TO THE RIGHT OF STEERING COLUMN.
- RED LIGHTS AUTOMATICALLY ENERGIZED (WITH AMBER LIGHTS AUTOMATICALLY DE-ENERGIZED) WHEN BUS SERVICE DOOR IS OPENED.
- AMBER LIGHTS CAN ALSO BE DEACTIVATED BY ROCKER SWITCH LOCATED IN A SWITCH BOX TO THE RIGHT OF STEERING COLUMN.
- RED LIGHTS AND STOP ARM ONLY ACTIVATED AFTER AMBER LIGHTS.
- RED AND AMBER PILOT LIGHT IN SWITCH BOX TO INDICATE SYSTEM OPERATION.
- SEPARATE RELAY FOR WARNING LIGHT SYSTEM.
- WELDON 7000 ELECTRONIC FLASHER.

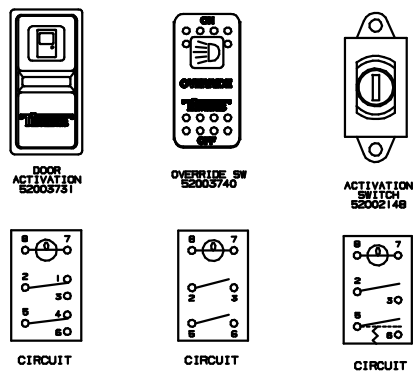


- NOTES:
- USE DOOR SWITCH 52003070 WHEN AIR SERVICE DOORS ARE ORDERED.
 - WIRING HARNESS 52003320 IS USED FOR WIRING TO THE SWITCH BOX.



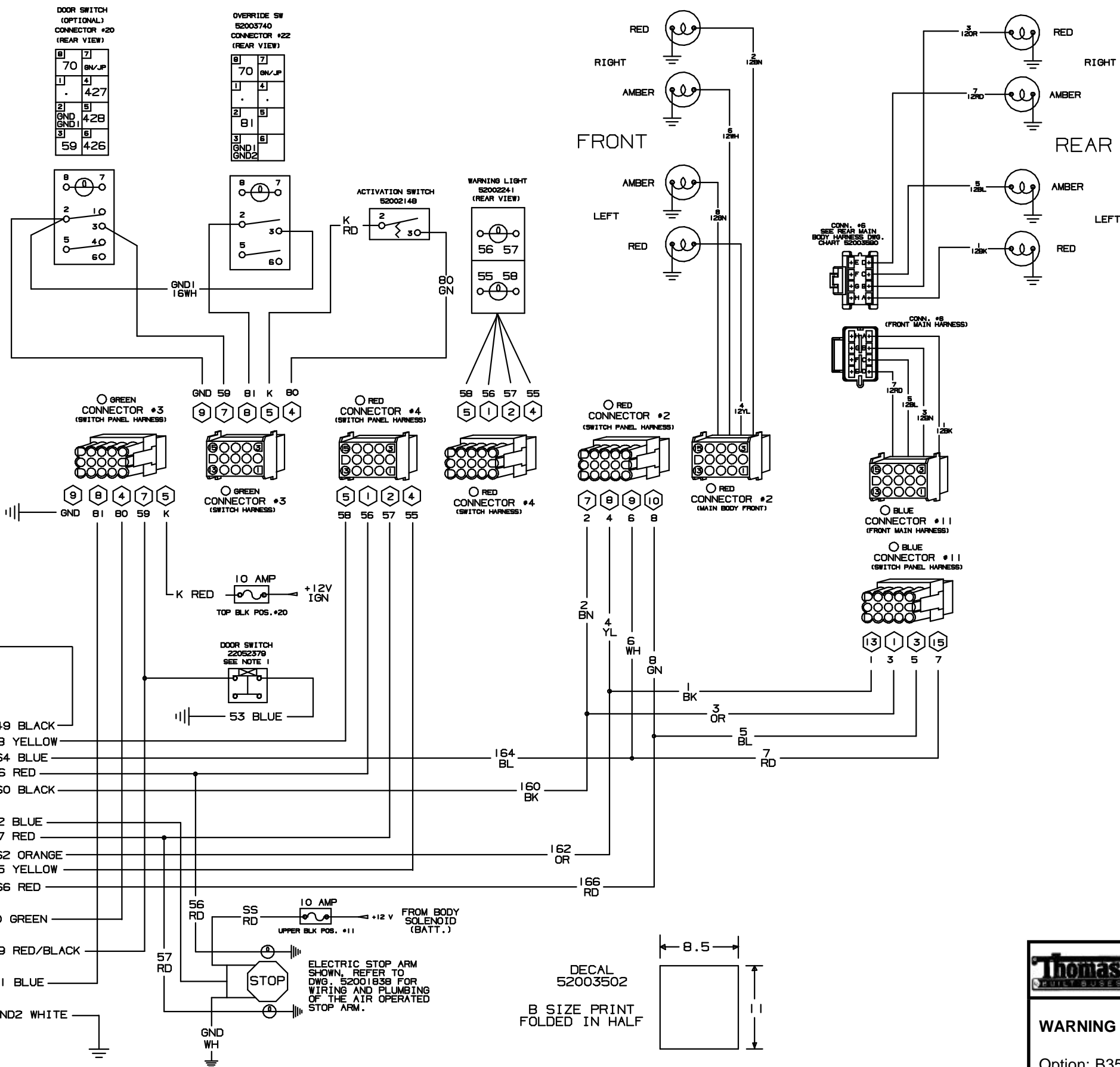
WARNING LIGHTS
Option: B3580-11-000

SWITCH LAYOUT



B3580-16-000 SYSTEM OPERATION

1. FOUR 7" AMBER LIGHTS AND FOUR 7" RED LIGHTS.
2. AMBER LIGHTS MANUALLY ENERGIZED BY ROCKER SWITCH LOCATED ON THE SWITCH PANEL.
3. RED LIGHTS AUTOMATICALLY ENERGIZED (WITH AMBER LIGHTS AUTOMATICALLY DE-ENERGIZED) WHEN BUS SERVICE DOOR IS OPENED.
4. RED LIGHTS AND STOP ARM ACTIVATED WHENEVER SERVICE DOOR IS OPENED (NONSEQUENTIAL).
5. OVERRIDE SWITCH IN SWITCH PANEL TO FLASH RED LIGHTS AND EXTEND STOP ARM.
6. RED AND AMBER PILOT LIGHT IN SWITCH CABINET TO INDICATE SYSTEM OPERATION.
7. WELDON 7000 ELECTRONIC FLASHER.



- NOTES:**
1. USE DOOR SWITCH 52003731 WHEN AIR SERVICE DOORS ARE ORDERED.
 2. WIRING HARNESS 52004571 IS USED FOR WIRING INSIDE THE SWITCH CABINET.

Thomas 52003500 B

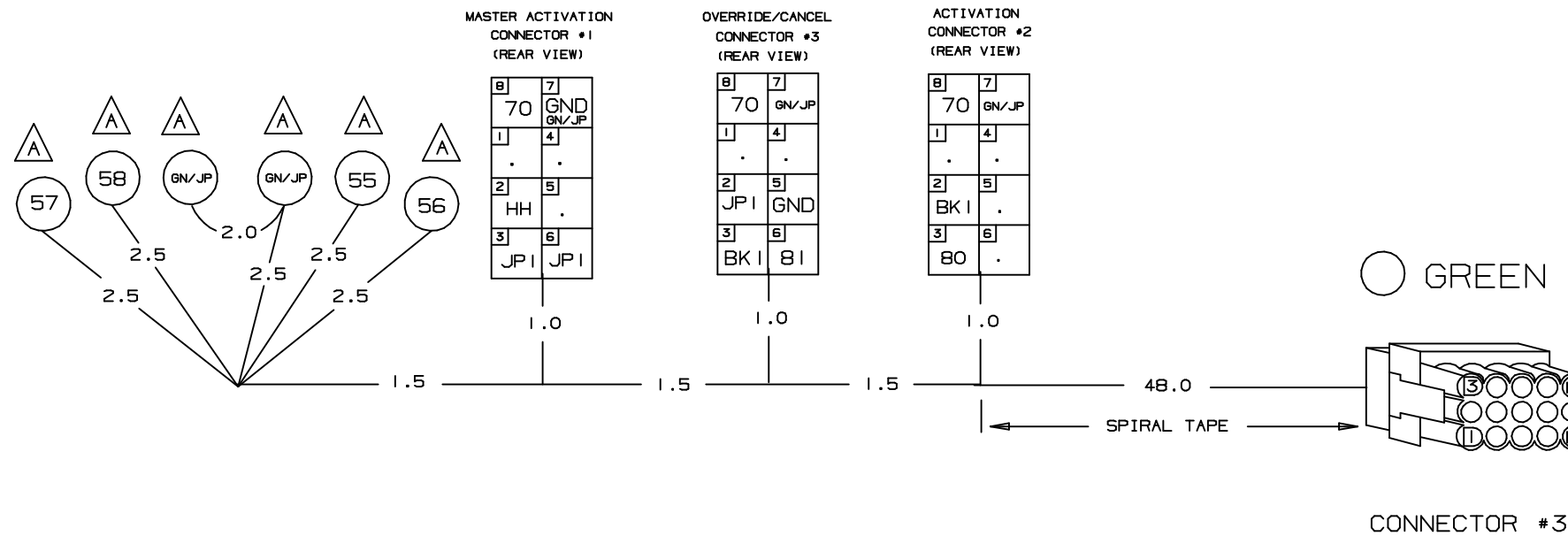
WARNING LIGHTS

Option: B3580-16-000

CONN	VENDOR	PART #	DESCRIPTION	QTY
1, 2, 3	CARLING	99916716001	SWITCH CONNECTOR	3
	PED	12015869	18-20 GA TERMINAL	3
	PED	12015870	14-16 GA TERMINAL	12
	PED	12084590	10-12 GA TERMINAL	0
3	AMP	770006-3	14-20 GA. TERMINAL, RECEPTICAL.	10
	AMP	770004-3	10-12 GA. TERMINAL, RECEPTICAL.	0
	AMP	770023-1	15 POSITION CONNECTOR, PLUG.	1
RELAY	HELLA	87122	HOUSING-RELAY, 5 POSITION.	.
	INTERLOCK	.	TERMINAL-FEMALE, 1/4", 14-16 GA.	.
	INTERLOCK	.	TERMINAL-FEMALE, 1/4", 10-12 GA.	.

5. STRIP INSULATION BACK 3/8" ON UNTERMINATED LEADS.
 4. REFER TO DWG. #52001136 FOR HARNESS SPECIFICATIONS.
 3. FULLY TAPE BREAKOUTS FOR 3"-2" SPACING OTHERWISE.
 2. TAG HARNESS FOR IDENTIFICATION.
 1. CIRCUIT NUMBERS TO BE STAMPED AT 4" INTERVALS WITH THE PREFIX "B"
- NOTES: ON ALL LEADS.

LEAD #	AWG	COLOR	DESCRIPTION
HH	16	RED	12V+ BAT. FROM FUSE PANEL.
BK1	16	BLACK	FROM SWITCH TO WELDON RELAY (+).
80	16	GREEN	ACTIVATION SW (AMBER) TO FLASHER.
GND	16	WHITE	CHASSIS GROUND.
70	18	WHITE/BLACK	SWITCH PANEL LIGHTS (+)
GN/JP	18	GREEN	GROUND, SWITCH LIGHT JUMPER (-).
JPI	16	BLACK/WHITE	SWITCH HARNESS JUMPER.
55	18	YELLOW	WARNING LIGHT TO WELDON, AMBER.
56	18	RED	WARNING LIGHT TO WELDON, RED.
81	18	BLUE/WHITE	TO WELDON, RED LIGHT ACTIVATION.
57	18	RED	WARNING LIGHT TO WELDON, RED.
58	18	YELLOW	WARNING LIGHT TO WELDON, AMBER.



1	2	3
55	56	57
4	5	6
58	70	80
7	8	9
.	.	HH
10	11	12
GND	.	.
13	14	15
.	BK1	81

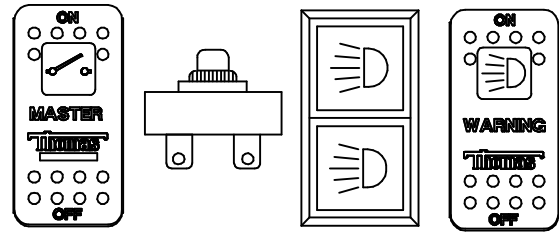
D	.	.	BUTT SPLICE, 14-16 GA BLUE.	.
C	.	.	RING TERMINAL, #10 STUD, 14-16 GA.	.
B	.	.	MALE RECEPT., 1/4", 14-16 GA.	.
A	.	.	FEMALE FAST-ON, 1/4", 14-16 GA.	6
	VENDOR	PART #	DESCRIPTION	QTY

OPTION: B3580-20-000
(SRW, DRW MODELS ONLY)



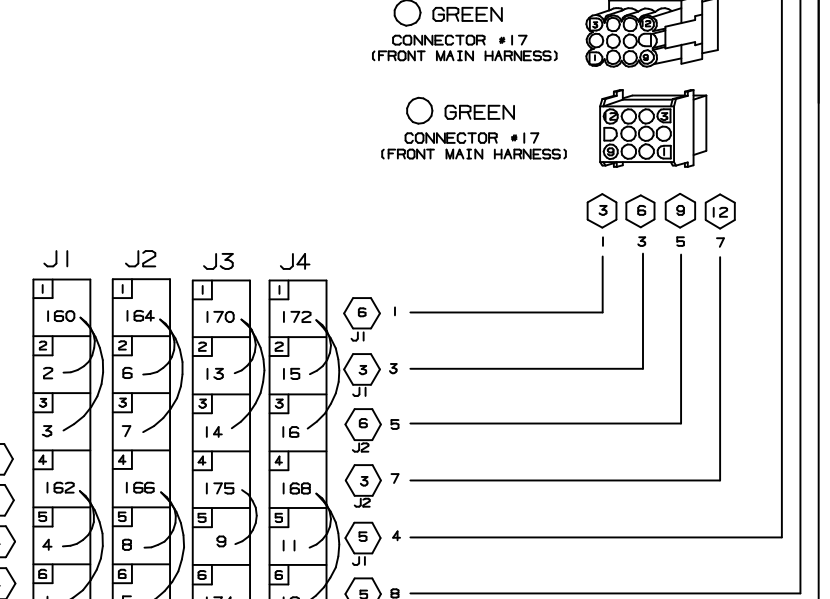
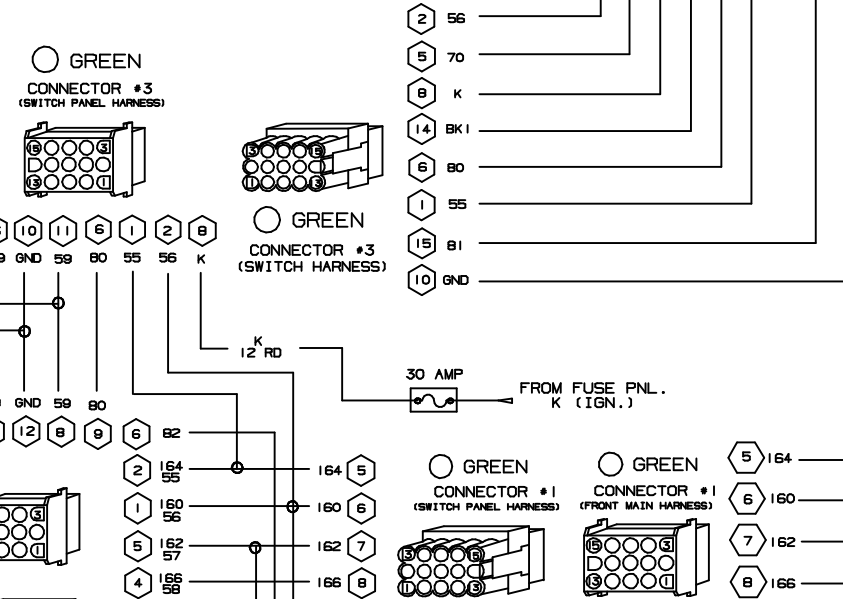
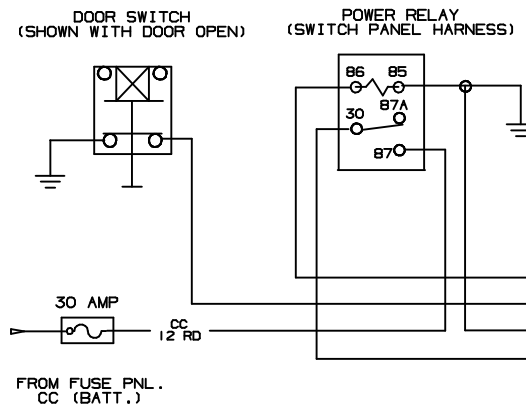
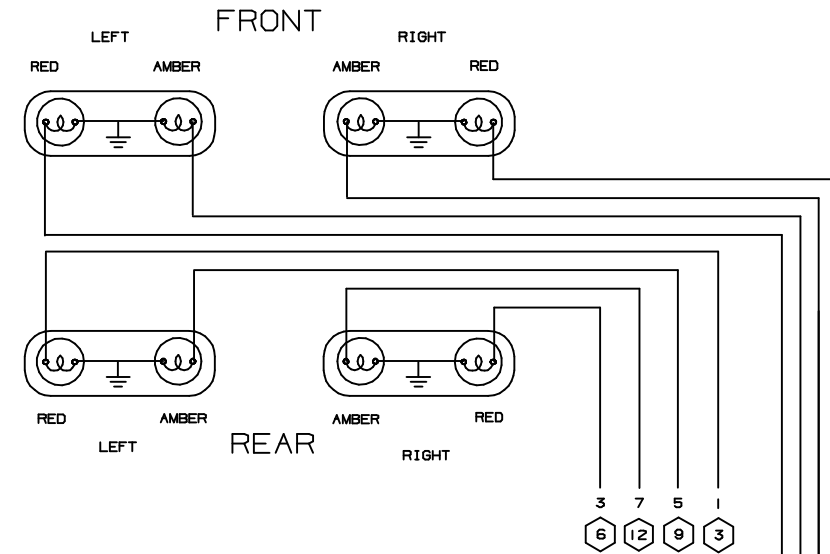
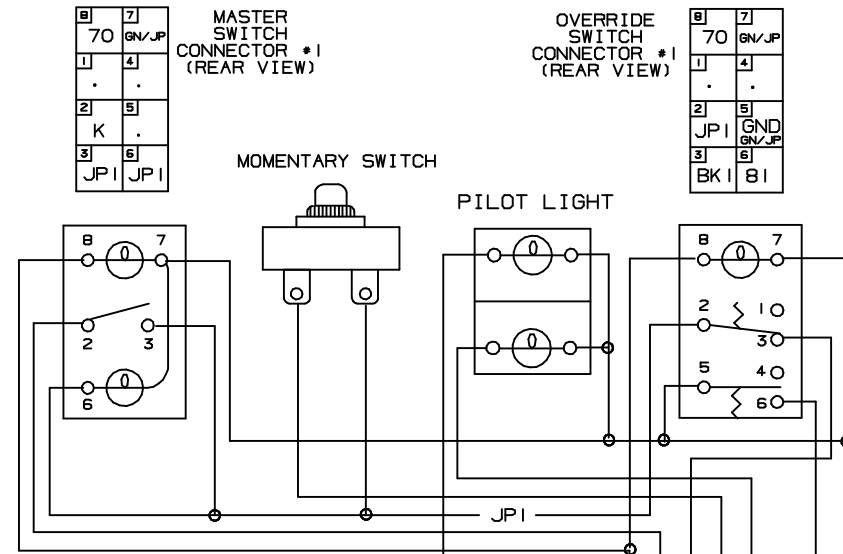
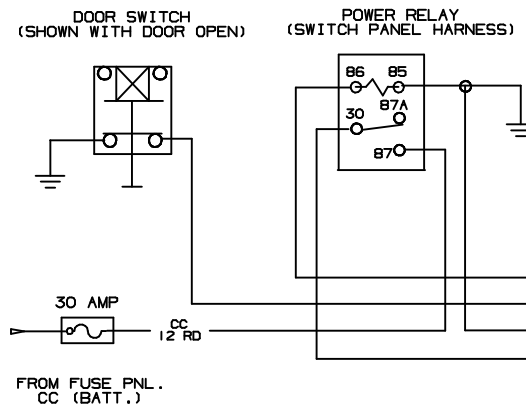
**HARNESS, EIGHT LIGHT
WARNING SYSTEM**

Option: B3580-20-000
Effective Date: 2/1/00



**B3580-22-000
SYSTEM OPERATION**

1. AMBER LIGHTS TO SPRING RETURN ON MOMENTARY (OFF) RED LIGHTS TO DOOR SWITCH MOMENTARY (ON).
2. MASTER SWITCH WITH AMBER AND RED PILOT LIGHTS ON SWITCH PANEL.
3. ALL LIGHTS CONNECTED TO RECYCLE SWITCH.
4. BAYDOR-BROWN 8404-88-1125 FLASHER MOTOR.
5. ALBERTA SPECIFICATION.

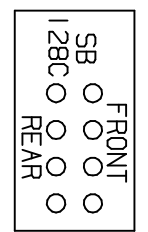




HARNESS, WELDON
FLASHER WARNING
LIGHTS, w/METRI-PACK
AND IN-LINE FUSE CONN.
IN SW. CAB. (VIRGINIA)

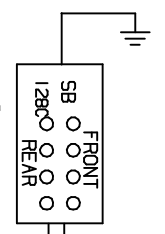
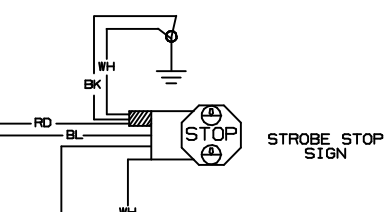
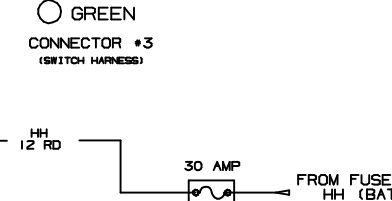
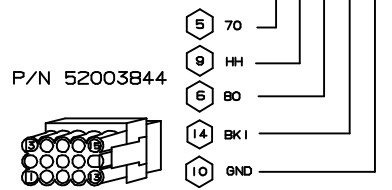
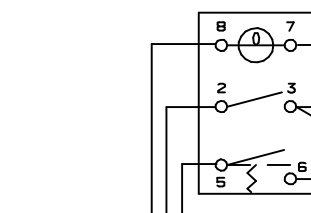
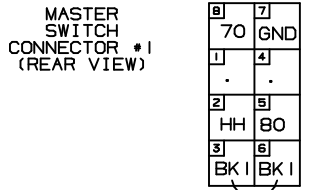
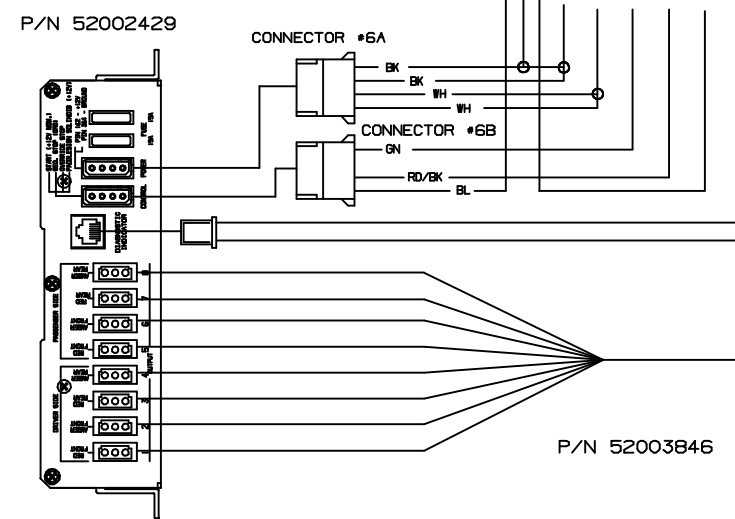
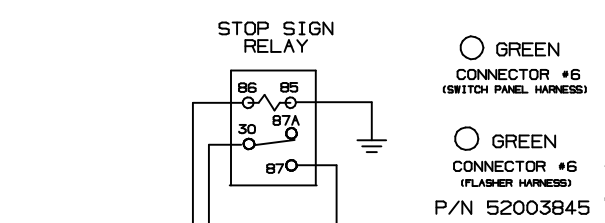
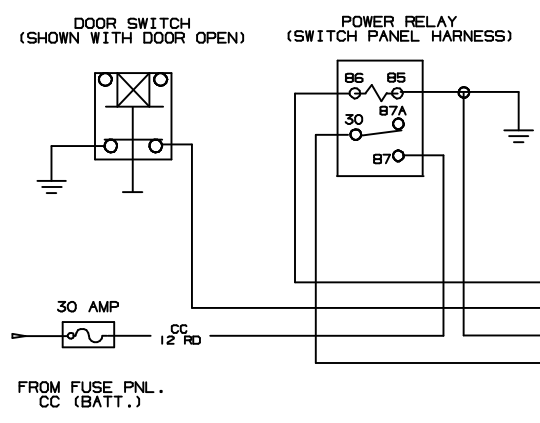


MASTER/ACTIVATION

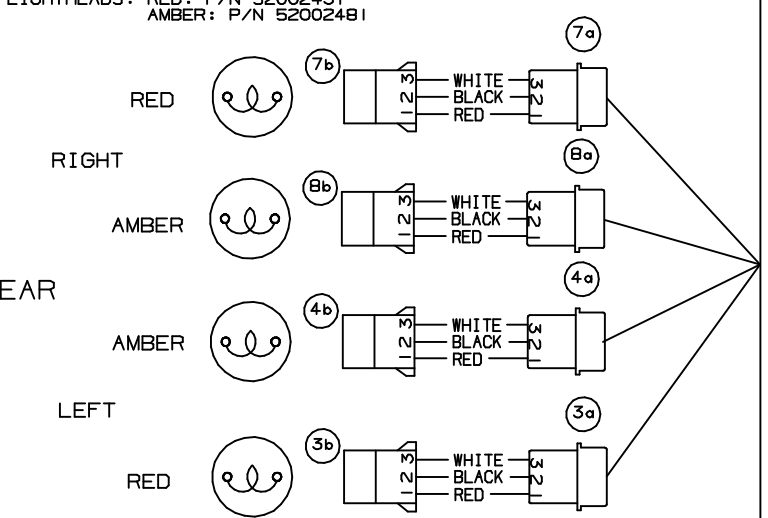
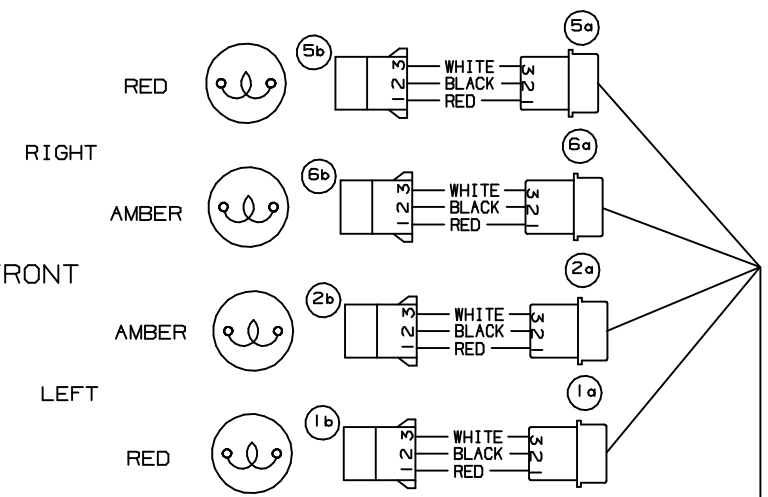


PILOT LIGHT

- B3580-31-000
SYSTEM OPERATION**
1. FOUR 5 1/2" AMBER STROBE LIGHTS AND FOUR 5 1/2" RED STROBE LIGHTS. AMBER LIGHTS MANUALLY ENERGIZED BY ROCKER SWITCH LOCATED ON THE SWITCH PANEL.
 2. RED LIGHTS AUTOMATICALLY ENERGIZED (WITH AMBER LIGHTS DE-ENERGIZED) WHEN BUS SERVICE DOOR IS OPENED.
 3. RED LIGHTS AND STOP ARM ACTIVATED WHENEVER SERVICE DOOR IS OPENED.
 4. MASTER SWITCH LOCATED IN SWITCH PANEL.
 5. RED AND AMBER PILOT LIGHTS IN SWITCH CABINET TO INDICATE SYS. OPERATION.
 6. NO VISORS OVER LIGHTS.
 7. WHELEN SCHOOL BUS STROBE WARNING SYSTEM.
 8. CONNECTICUT SPECIFICATION.



P/N 52002479



STROBE LIGHTHEADS: RED: P/N 52002431
AMBER: P/N 52002481

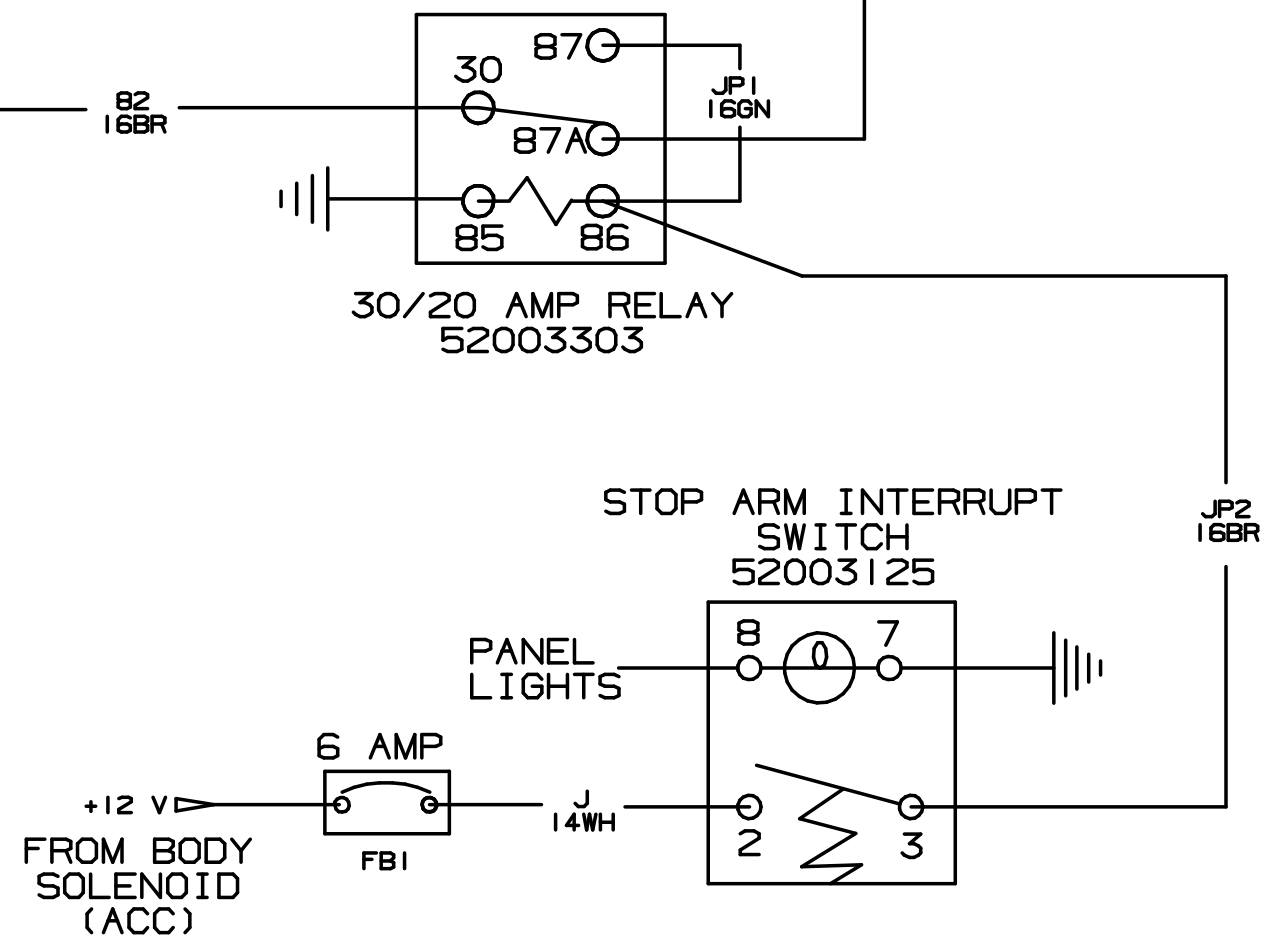
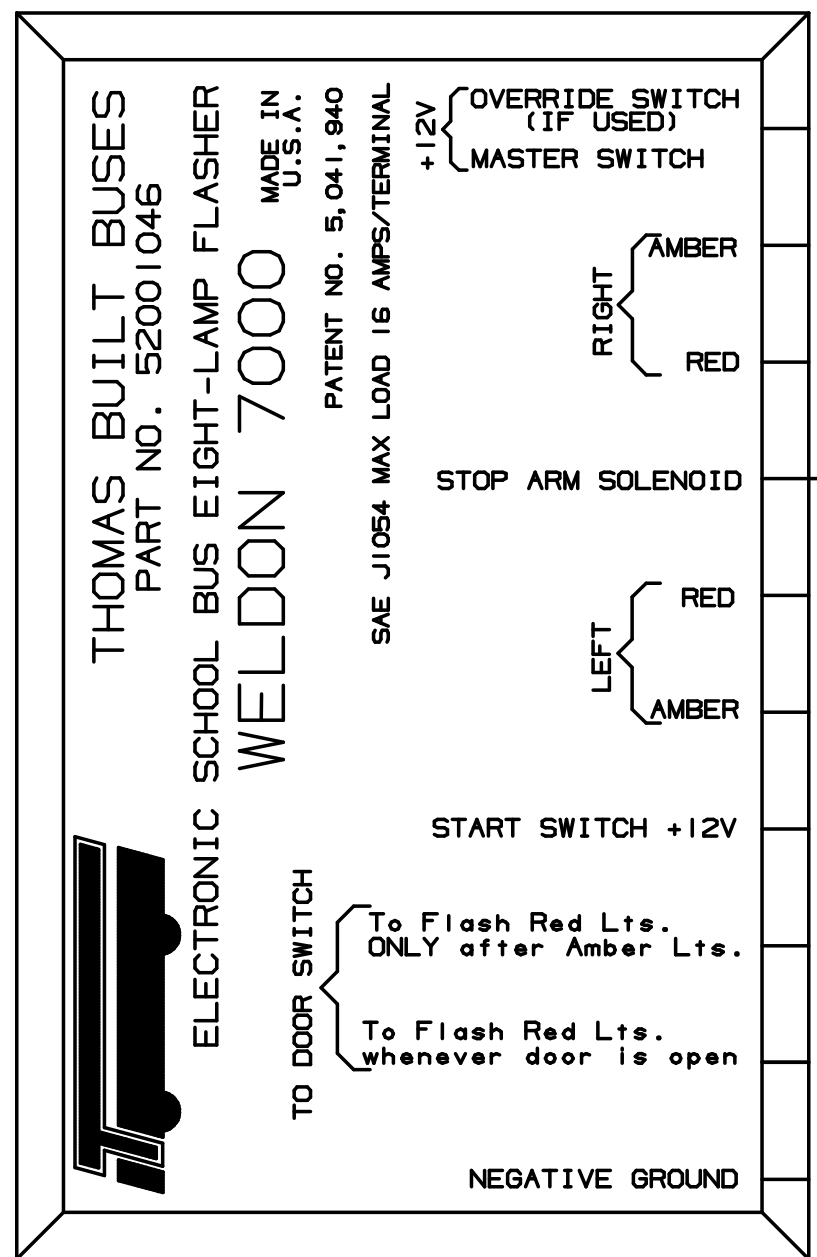
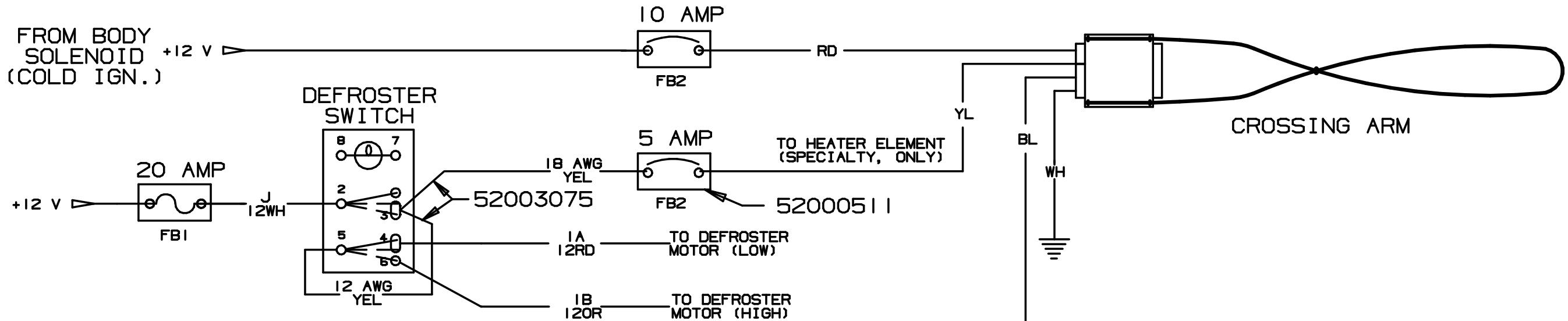
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OPTION B3580-31-000
MINOTOUR SRW, DRW



**STROBE EIGHT LIGHT
WARNING SYSTEM**

Option: B3580-31-000
Effective Date: 2/1/00



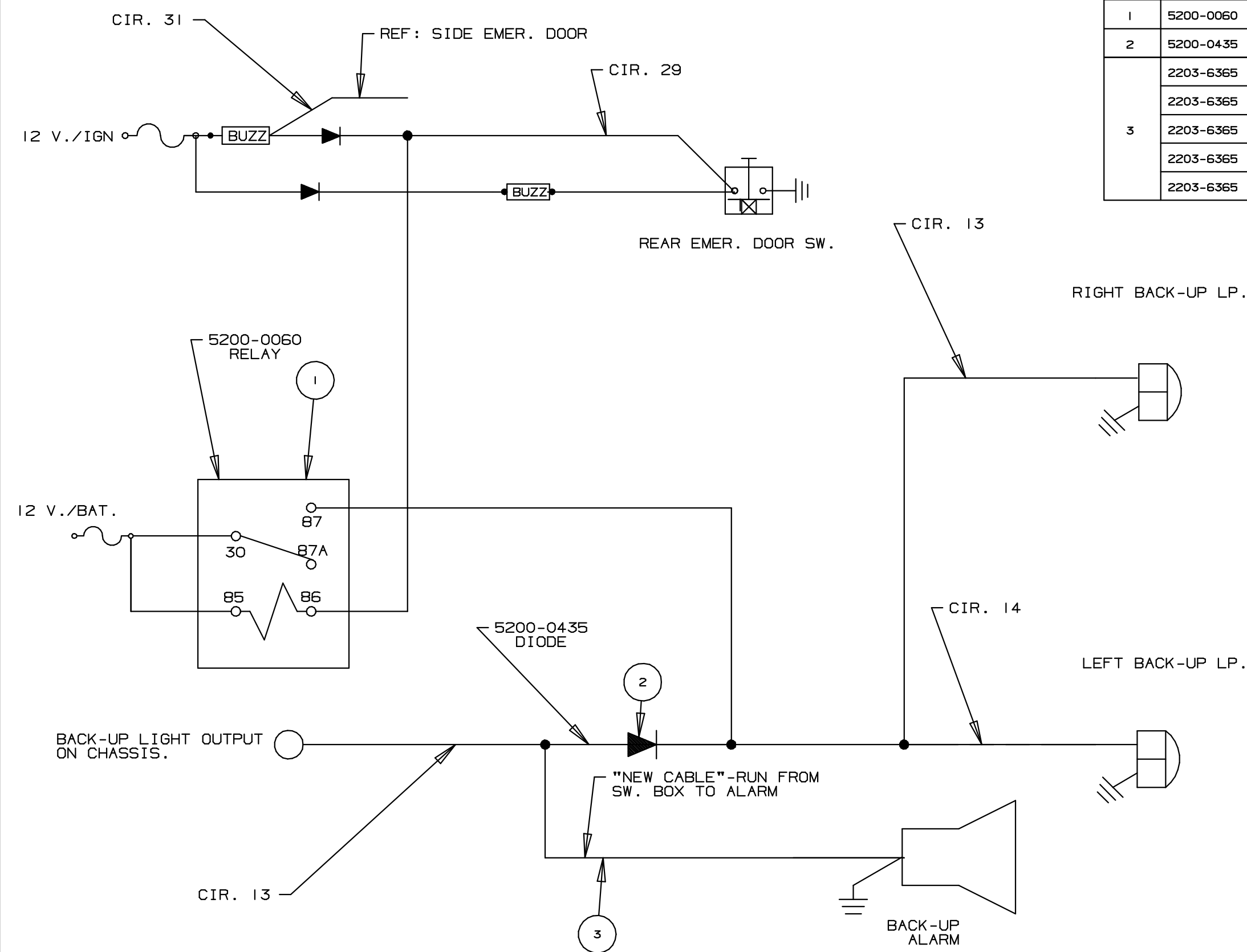
Thomas
52002769 D

CROSSING ARM
DEACTIVATING SWITCH

**MINOTOUR
AIR CONDITIONING
SCHEMATICS**

**MINOTOUR
LIFT SCHEMATICS**

ITEM	PART NUMBER	DESCRIPTION	MODEL	QUAN.
1	5200-0060	12 V. RELAY	ALL	1
2	5200-0435	DIODE	ALL	2
3	2203-6365	WIRE, BLACK 14 GAUGE	CONV.	AR
	2203-6365	WIRE, BLACK 14 GAUGE	VISTA	AR
	2203-6365	WIRE, BLACK 14 GAUGE	"FC"	AR
	2203-6365	WIRE, BLACK 14 GAUGE	PUSH	AR
	2203-6365	WIRE, BLACK 14 GAUGE	MVP	AR



Thomas
52001949 B

SPECIAL WIRING,
BACK-UP LAMPS
w/EMERGENCY DOOR
(NEW JERSEY)

**MINOTOUR
VANDALOCK
SCHEMATICS**

CONN	VENDOR	PART #	DESCRIPTION	QTY
1	CARLING	99916716001	SWITCH CONNECTOR	1
	PED	12015869	18-20 GA TERMINAL	2
	PED	12015870	14-16 GA TERMINAL	5
	PED	12084590	10-12 GA. TERMINAL	.
24	AMP	770006-3	14-20 GA. TERMINAL, RECEPTICAL.	7
	AMP	770004-3	10-12 GA. TERMINAL, RECEPTICAL.	.
	AMP	770021-1	9 POSITION CONNECTOR, PLUG.	1
RELAY K1	HELLA	87122	HOUSING-RELAY, 5 POSITION.	.
	INTERLOCK	.	TERMINAL-FEMALE, 1/4", 14-16 GA.	.
	INTERLOCK	.	TERMINAL-FEMALE, 1/4", 10-12 GA.	.

LEAD #	AWG	COLOR	DESCRIPTION
70	18	WHITE/BLACK	SWITCH PANEL LIGHTS (+).
GN/JP	18	GREEN	SWITCH PANEL LIGHTS (-).
110	16	PURPLE	SPEAKER FEED, RIGHT (+).
111	16	WHITE	SPEAKER FEED, LEFT (+).
110A	16	PURPLE	RIGHT SPEAKER FEED, (+).
110B	16	GREEN	EXTERNAL SPEAKER FEED, (+).
111A	16	WHITE	LEFT SPEAKER FEED, (+).
.	.	.	.

CONN. #1
OUTSIDE SPEAKER
SWITCH
52003057
(REAR VIEW)

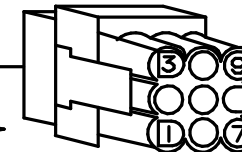
8	7
70	GN/JP
1	4
110A	111A
2	5
110	111
3	6
110B	.

1.0

48.0

SPIRAL TAPE

GREEN
CONNECTOR #24
(OUTSIDE SPEAKER)



1	2	3
110	111	110A
4	5	6
110B	111A	70
7	8	9
GN/JP	.	.

5. STRIP INSULATION BACK 3/8" ON UNTERMINATED LEADS.
4. REFER TO DWG. #52001136 FOR HARNESS SPECIFICATIONS.
3. FULLY TAPE BREAKOUTS FOR 3"-2" SPACING OTHERWISE.
2. TAG HARNESS FOR IDENTIFICATION.
1. CIRCUIT NUMBERS TO BE STAMPED AT 4" INTERVALS WITH THE PREFIX "B"
NOTES: ON ALL LEADS.

OUTSIDE SPEAKER HARNESS OPTION B2580-0X-000

D	.	.	BUTT SPLICE, 14-16 GA BLUE.	.
C	.	.	RING TERMINAL, #10 STUD, 14-16 GA.	.
B	.	.	MALE RECEPT., 1/4", 14-16 GA.	.
A	.	.	FEMALE FAST-ON, 1/4", 14-16 GA.	.
	VENDOR	PART #	DESCRIPTION	QTY

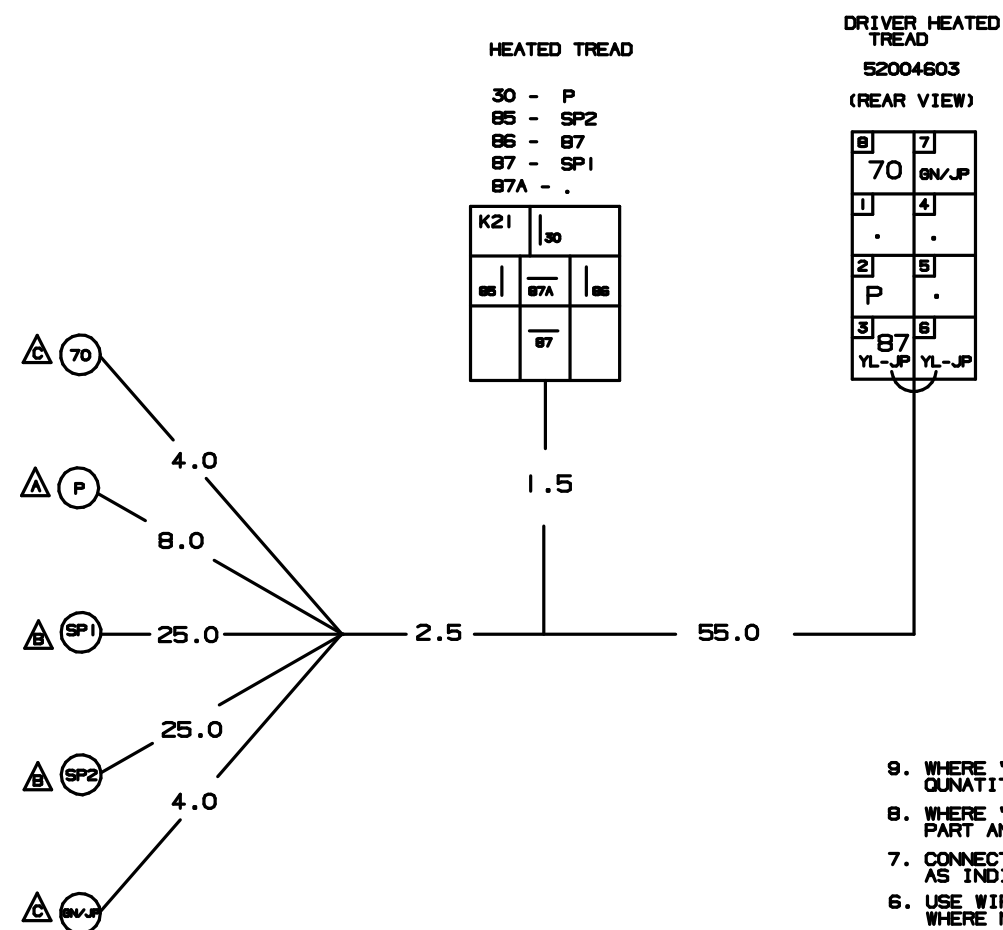
Thomas
52003800 A

HARNESS, OUTSIDE
SPEAKER SWITCH

Effective Date: 2/1/00

CONN	VENDOR	PART #	DESCRIPTION	QTY
I	CARLING	99916716001	SWITCH CONNECTOR	1
	PED	XX	18-20 GA TERMINAL	X
	PED	XX	14-16 GA TERMINAL	X
RELAY BLOCK	HELLA	87122	HOUSING-RELAY, 5 POSITION.	1
	X	XX	TERMINAL-FEMALE, 1/4", 14-16 GA.	X
	X	XX	TERMINAL-FEMALE, 1/4", 10-12 GA.	X

CIR	GA	COLOR	DESCRIPTION
GN/JF	16	GREEN	SWITCH PANEL LIGHTS (-).
70	16	WHITE/BLACK	SWITCH PANEL LIGHTS (+) FEED.
P	16	RED	FROM FUSE PNL. (IGN) TO RELAY.
87	16	YELLOW	FEED FROM SWITCH TO RELAY.
SP1	14	BLACK/YELLOW	SPARE-RELAY TO STEAP HEATER.
SP2	16	BLACK/WHITE	SPARE-RELAY TO THERMOSTAT.
YL-JF	16	YELLOW	JUMPER IN SWITCH.
.	.	.	.
.	.	.	.
.	.	.	.
.	.	.	.



NOTE: BOTTOM VIEW OF RELAY BLOCK IS SHOWN. RELAY BLOCKS SHOULD BE ORIENTED SUCH THAT MOUNTING TAB IS UPRIGHT AND TO THE REAR ON FINISHED HARNESS.

9. WHERE "X" IS INDICATED, USE APPROPRIATE QUANTITIES AS NEEDED FOR TERMINATION.
8. WHERE "XX" IS INDICATED, USE APPROPRIATE PART AND/OR VENDOR AS NEEDED.
7. CONNECTORS AND BREAK-OUTS MUST FACE AS INDICATED ON THE DRAWING.
6. USE WIRE TIES TO HOLD HARNESS WHERE NEEDED, MINIMUM AMOUNT AND SIZE.
5. FULLY TAPE HARNESS WHERE HEAVY LINES HAVE BEEN SHOWN. IN TAPED AREAS, THE HARNESS MUST BE SMOOTH AND NON-TWISTED.
4. REFER TO DWG. #52001136 FOR HARNESS SPECIFICATIONS.
3. STRIP INSULATION BACK 3/8" ON UNTERMINATED LEADS.
2. TAG HARNESS FOR IDENTIFICATION.
1. CIRCUIT NUMBERS TO BE STAMPED AT 4" INTERVALS WITH THE PREFIX "B" ON ALL LEADS.

NOTES:

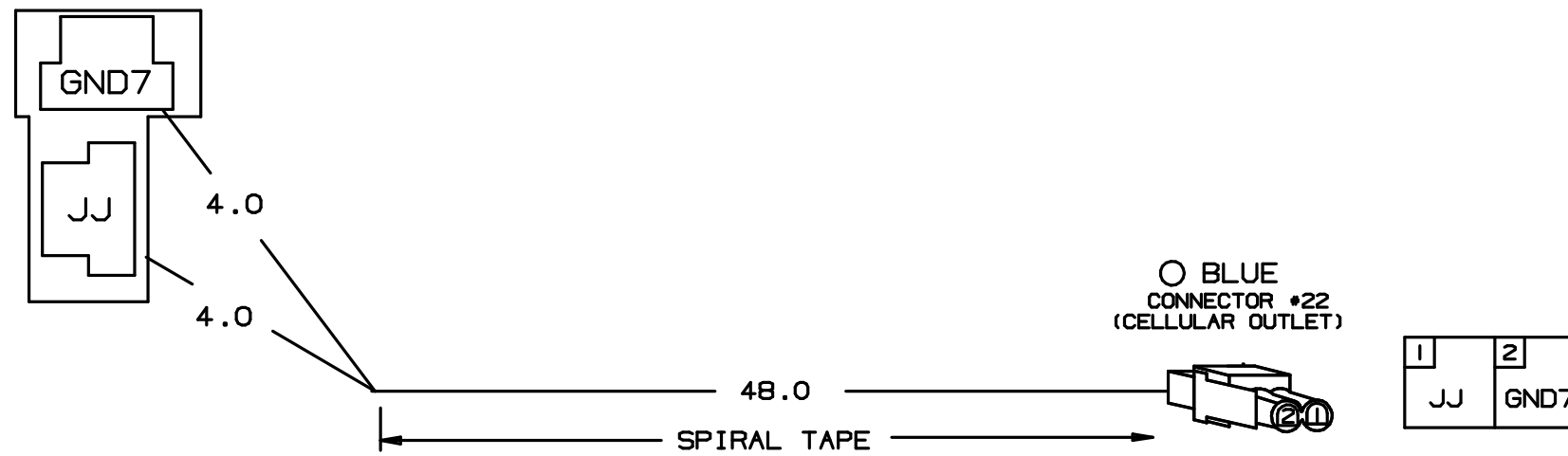
TERM	DESCRIPTION	QTY
C	BUTT-SPLICE, 16-14 AWG.	2
B	TERMINAL-PIN, 14-16 GA (AMP#770005-1, OR EQV.)	2
A	FEMALE FAST-ON 1/4" 14-16 GA	1

	52004605 C
HARNESS, STEP TREAD	
Effective Date: 7/22/00	

CONN	VENDOR	PART #	DESCRIPTION	QTY
1	PED	02973781	2 POSITION CONNECTOR	1
	PED	12124503	14 GA. TERMINAL	2
22	AMP	770006-3	14-20 GA. TERMINAL, RECEPTICAL.	2
	AMP	770004-3	10-12 GA. TERMINAL, RECEPTICAL.	.
	AMP	770017-1	2 POSITION CONNECTOR, PLUG.	1
RELAY K1	HELLA	87122	HOUSING-RELAY, 5 POSITION.	.
	INTERLOCK	.	TERMINAL-FEMALE, 1/4", 14-16 GA.	.
	INTERLOCK	.	TERMINAL-FEMALE, 1/4", 10-12 GA.	.

LEAD #	AWG	COLOR	DESCRIPTION
JJ	14	RED	FROM FUSE PANEL (BAT.), ACCESSORY POWER.
GND7	14	WHITE	GROUND TO CHASSIS.
.	.	.	.

CELLULAR OUTLET
CONNECTOR # 1



5. STRIP INSULATION BACK 3/8" ON UNTERMINATED LEADS.
 4. REFER TO DWG. #52001136 FOR HARNESS SPECIFICATIONS.
 3. FULLY TAPE BREAKOUTS FOR 3"-2" SPACING OTHERWISE.
 2. TAG HARNESS FOR IDENTIFICATION.
 1. CIRCUIT NUMBERS TO BE STAMPED AT 4" INTERVALS WITH THE PREFIX "B"
- NOTES: ON ALL LEADS.

CELLULAR OUTLET
OPTION B2592-06-000

D	.	.	BUTT SPLICE, 14-16 GA BLUE.	.
C	.	.	RING TERMINAL, #10 STUD, 14-16 GA.	.
B	.	.	MALE RECEPT., 1/4", 14-16 GA.	.
A	.	.	FEMALE FAST-ON, 1/4", 14-16 GA.	.
	VENDOR	PART #	DESCRIPTION	QTY

	52003801 B
HARNESS, CELLULAR PHONE OUTLET	
Effective Date: 2/1/00 End Date: 6/3/00	

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