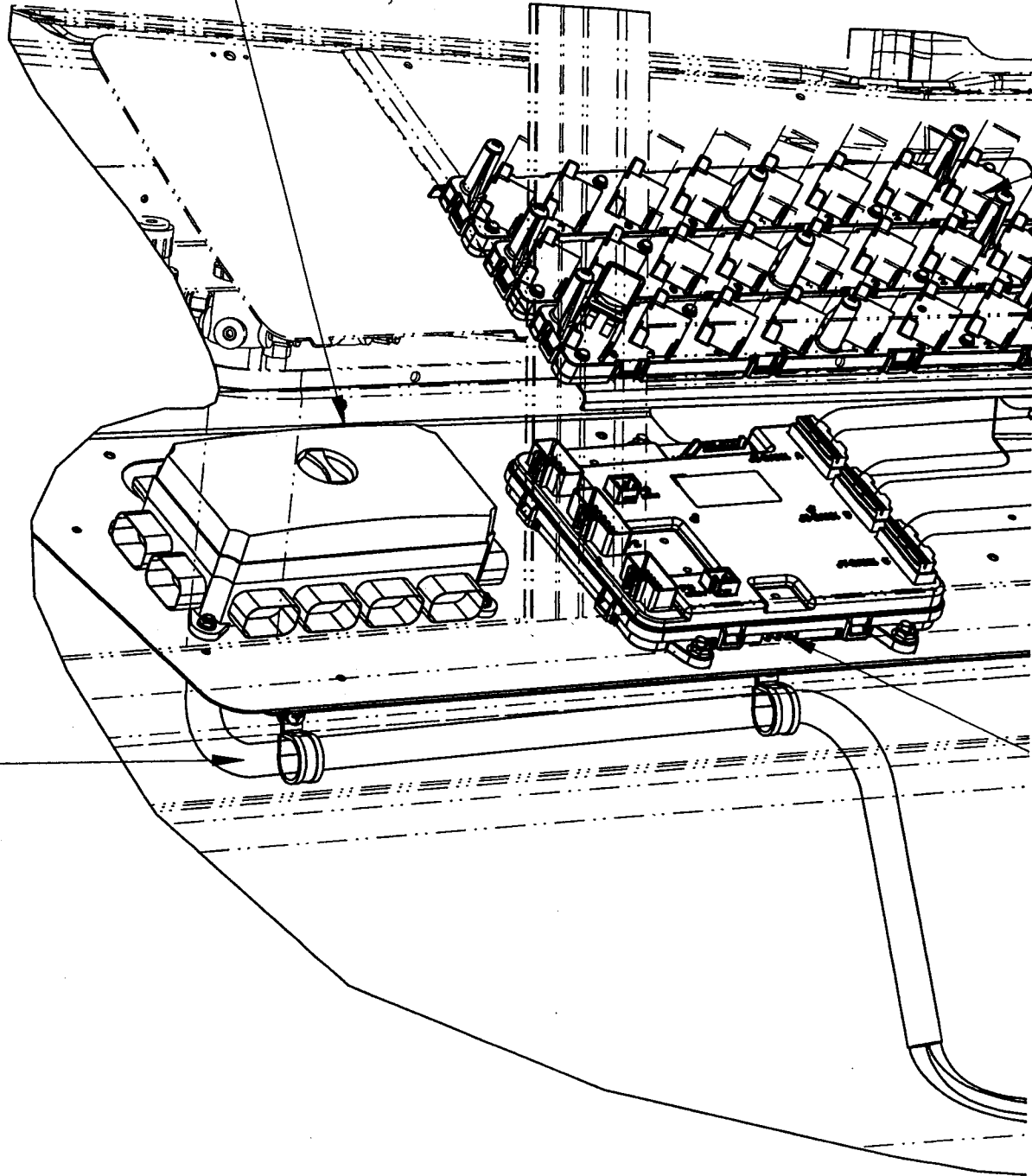


PE07-012
FREIGHTLINER
4/20/2007
ATTACHMENT
PART 2 OF 7

SEE SHEET 2

2



6

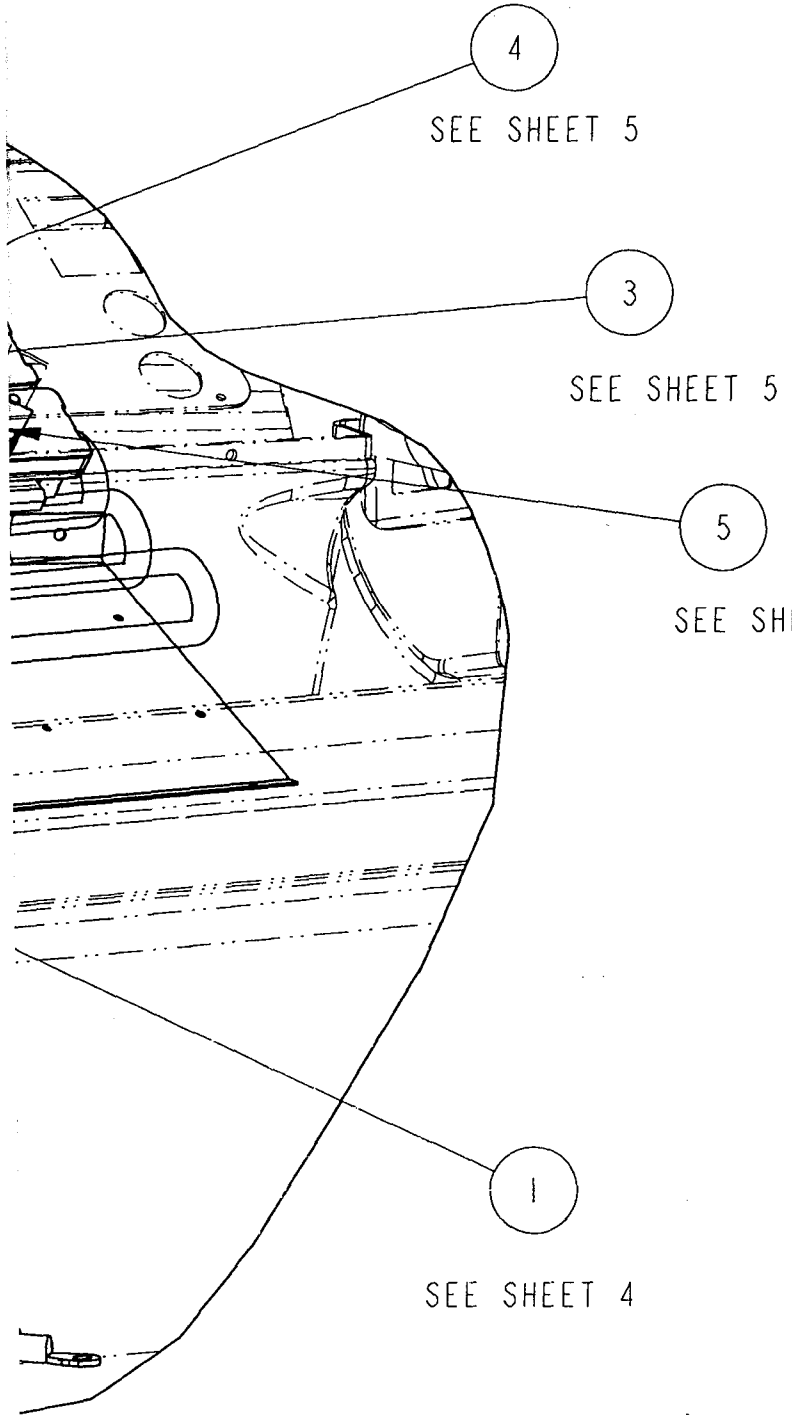
SEE SHEET 2

MAIN VIEW

B

A

ITEM	QTY	PART NUMBER	COMPONENT DESCRIPTION
1	1	100078	ELECTRONIC COMPONENT ASSY, SHM
2	1	100079	ELECTRICAL COMPONENTS, POWER DISTRIBUTION, PRIMARY, MAIN BODY
3	1	103162	ELECTRICAL COMPONENT ASSY, 8SB, SWITCH PANEL, ROW B
4	1	103297	ELECTRICAL COMPONENT ASSY, 8SB, SWITCH PANEL, ROW A
5	1	103298	ELECTRICAL COMPONENT ASSY, 8SB, SWITCH PANEL, ROW C
6	1	103310	CABLE ASSY, PRIMARY POWER AND GROUND DIST., LEFT SIDE BATTERY BOX, MAIN BODY
7	1	114505	MODULE MOUNTING PANEL ASSY, SWITCH CABINET



SEE SHEET 5

SEE SHEET 5

SEE SHEET 5

SEE SHEET 4

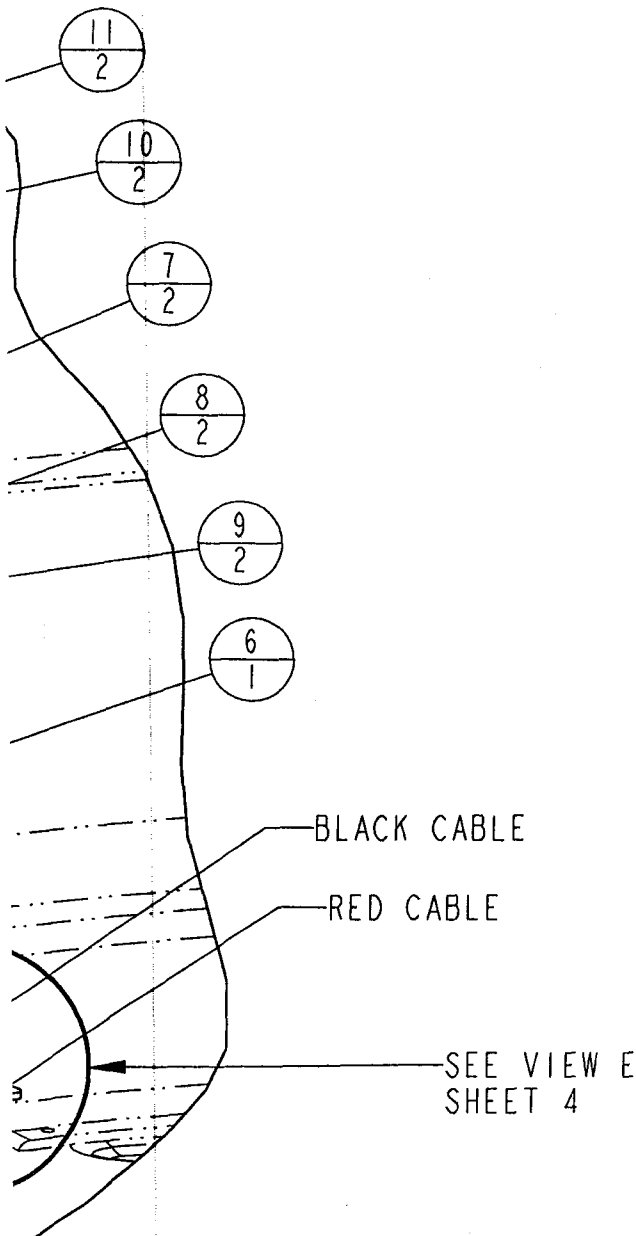
Attachment 19
(106348.pdf)

INACTIVE
 See title block for details

G		INACTIVE, REPLACED BY 119437				
				06/13/06	RDB	MIG
				ECR-2292	SWK	
LET	REVISION			DATE	BY	CF
THOMAS BUILT BUSES, INC. HIGH POINT, NC TOLERANCE UNLESS OTHERWISE NOTED						
THIRD ANGLE PROJECTION		DECIMAL	FRACTIONAL	ANGULAR		
		.XXX .015	±1/32	±1°		
		.XX .06				
		.X .1				
SWITCH PANEL ASSY, INSTALLATION						
DRN. 10/13/03	SSB	MATERIAL: SEE NOTE #1			0'	
CK'D 10/13/03	GSH	SIZE	DWG. NO. SHEET 1 OF 5			
ENGR/DESIGNER	SSB	B	106348			
0.500						

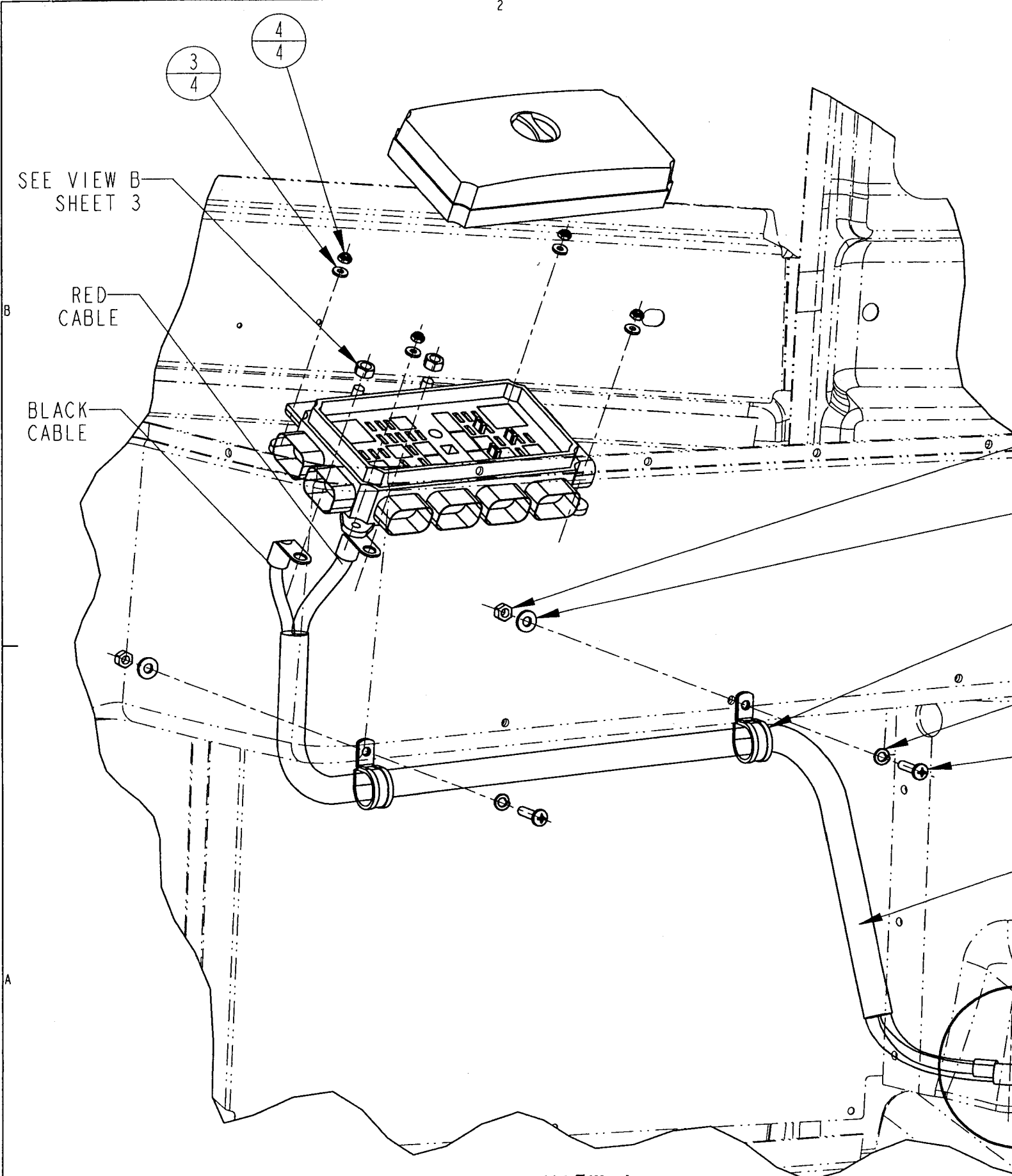
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EM	QTY	PART NUMBER	COMPONENT DESCRIPTION
1	1	100079	ELECTRICAL COMPONENTS, POWER DISTRIBUTION, PRIMARY, MAIN BODY
2	1	100280	POWER DISTRIBUTION MODULE ASSY, BUSSMANN, 32108-0
3	4	61371314	WASHER, FLAT, #8
4	4	69004158	NYLON LOCKNUT, 8-32 HEX, LIGHT NYLON LOCKING INSERT STEEL, ZINC
5	1	103310	CABLE ASSY, PRIMARY POWER AND GROUND DIST., LEFT SIDE BATTERY BOX, MAIN BODY
6	1	103303	CABLE ASSY, JUNCTION TO PDM, MAIN BODY, C2
7	2	61480487	CLAMP, LOOP, CUSHIONED .265 MOUNTING X 1.00 I.D.
8	2	27120380	LOCK WASHER, SPLIT, 1/4 ID X 1/2 OD REGULAR HELICAL SPRING, STEEL, ZINC PLATED
9	2	69003273	THREAD ROLLING TAPPING SCREW (SAE J81), PHILLIPS PAN HEAD
10	2	27150385	PLAIN WASHER, TYPE A, NARROW, .281 ID X .625 OD X .065 THICK, STEEL, ZINC PLATED
11	2	61370050	NUT, HEX HEAD, 1/4-20 JAM NUT, GRADE 5, STEEL
12	1	125787	MODULE MOUNTING PANEL, SWITCH CABINET

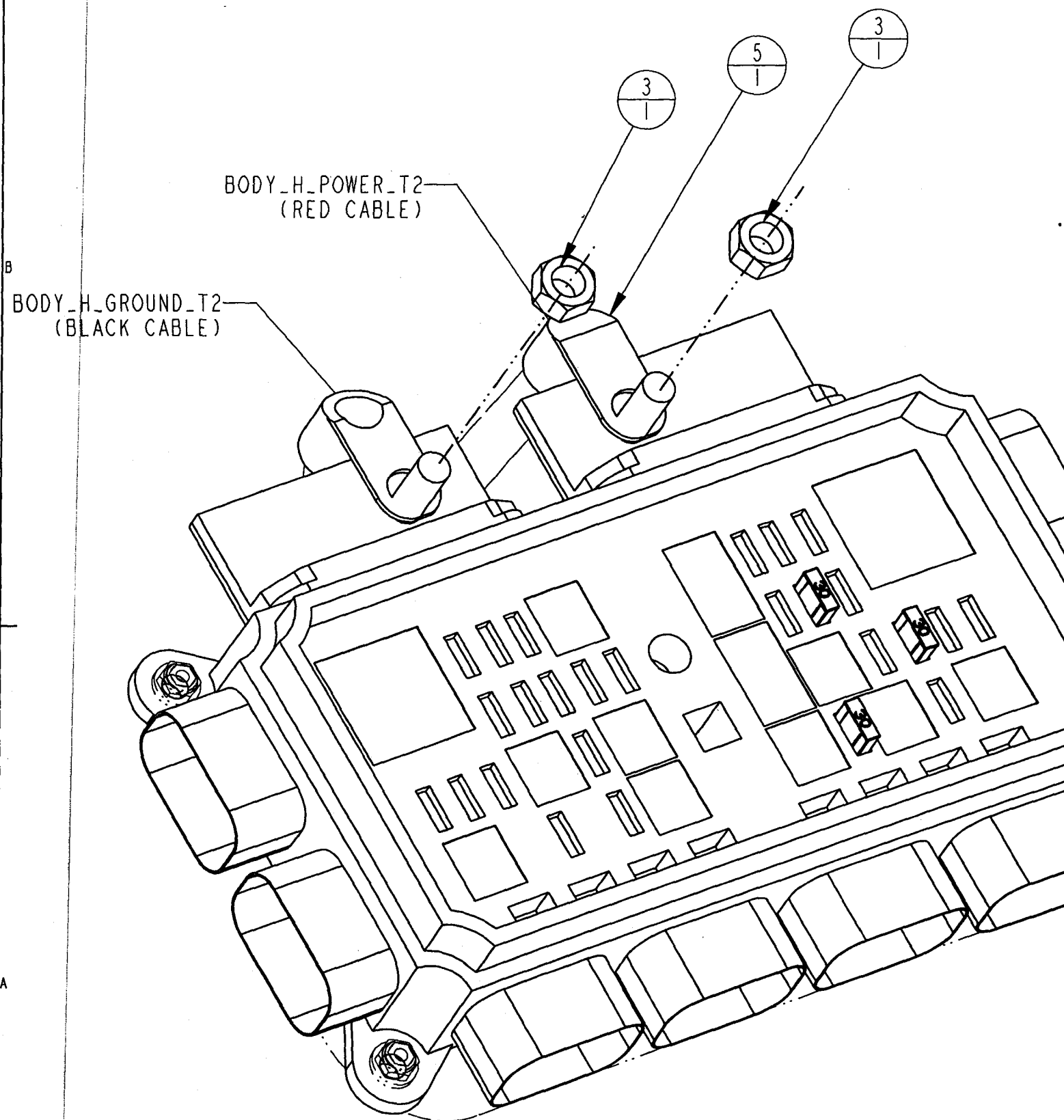


G	INACTIVE, REPLACED BY 119437					
				06/13/06	RDB	MIG
				ECR_2292	SWK	
LET	REVISION			DATE	BY	CF
THOMAS BUILT BUSES, INC. HIGH POINT, NC						
TOLERANCE UNLESS OTHERWISE NOTED						
THIRD ANGLE PROJECTION		DECIMAL	FRACTIONAL	ANGULAR		
		.XXX .015	±1/32	±1°		
		.XX .06				
		.X .1				
SWITCH PANEL ASSY, INSTALLATION						
DRN. 10/13/03	SSB	MATERIAL: SEE NOTE #1				01
CK'D 10/13/03	GSH	SIZE	DWG. NO. SHEET 2 OF 5			
ENGR/DESIGNER	SSB	B	106348			
0.500						

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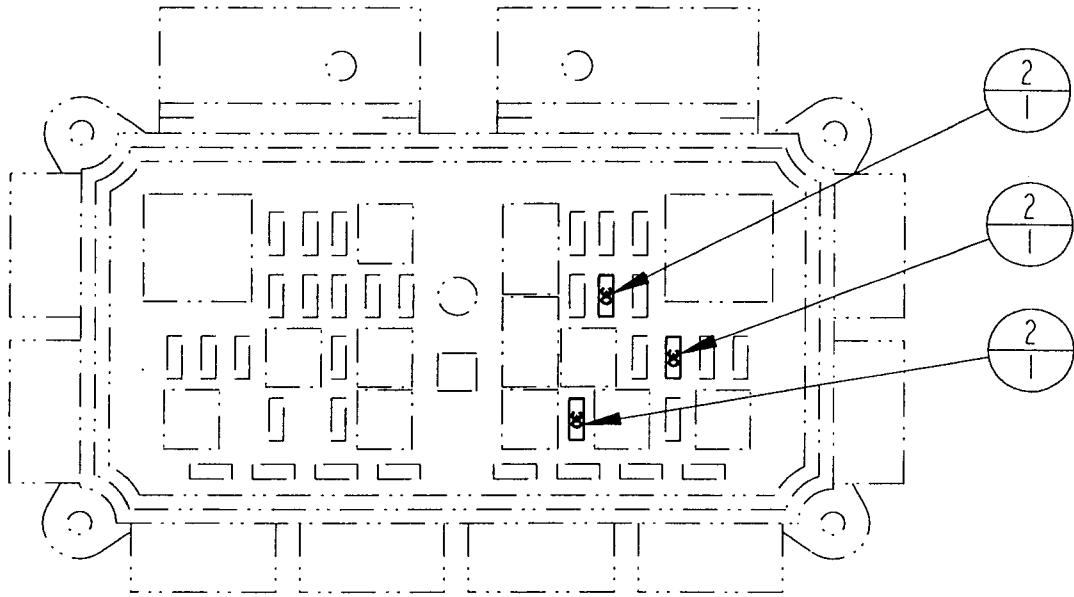


VIEW A
MAIN POWER/GROUND INSTALLATION
PDM INSTALLATION



VIEW B
FUSE LOCATIONS AND CABLE ATTACHMENT

ITEM	QTY	PART NUMBER	COMPONENT DESCRIPTION
1	1	100079	ELECTRICAL COMPONENTS, POWER DISTRIBUTION, PRIMARY, MAIN BODY
2	3	100038	MINI FUSE, BLADE STYLE, 30 AMP, FAST ACTING
3	2	27120376	NUT-HEX 5/16 - 18
4	1	103310	CABLE ASSY, PRIMARY POWER AND GROUND DIST., LEFT SIDE BATTERY BOX, MAIN BODY
5	1	103303	CABLE ASSY, JUNCTION TO PDM, MAIN BODY, C2

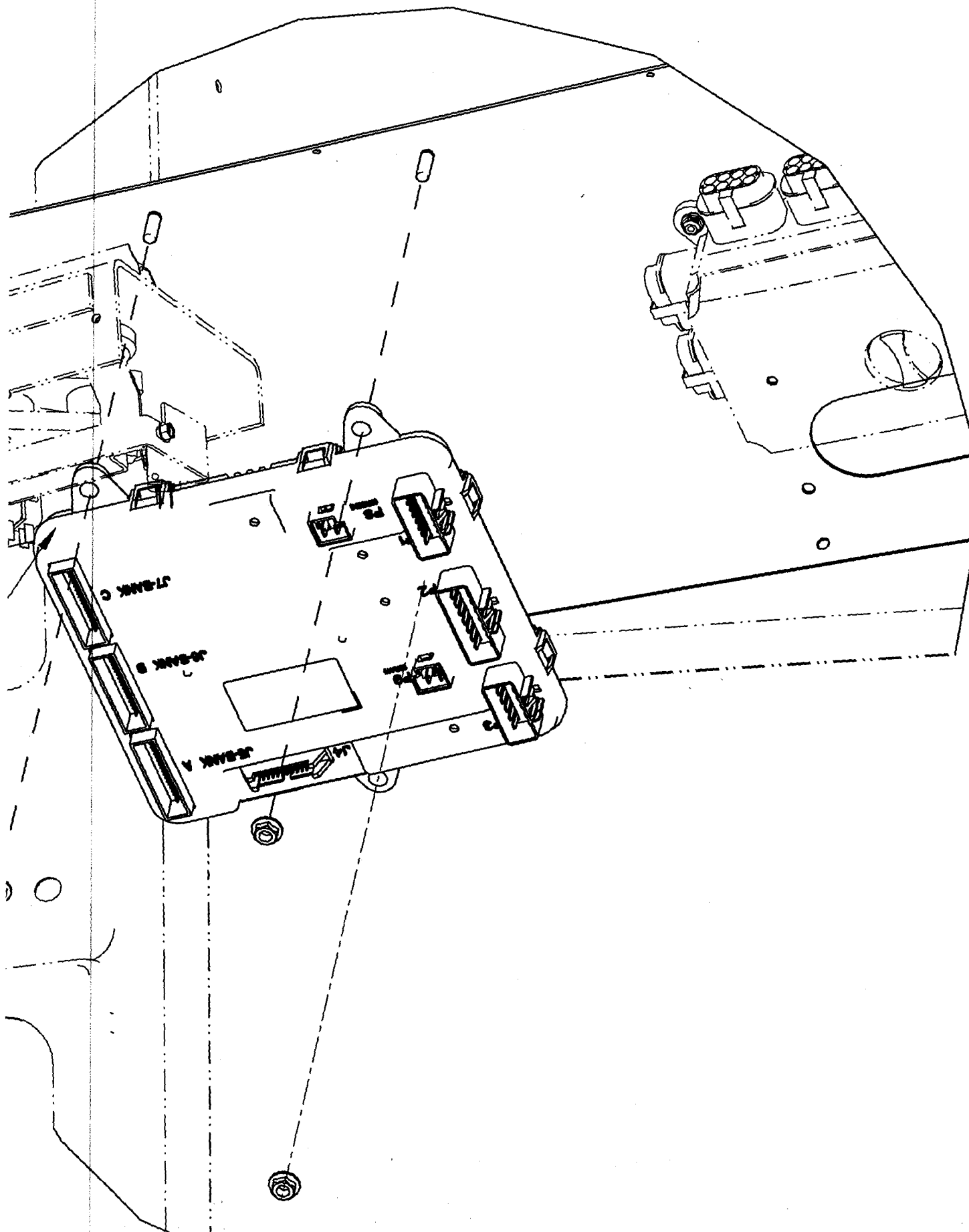


VIEW C
FUSES LOCATIONS

G	INACTIVE, REPLACED BY 119437					
				06/13/06	RDB	MIG
LET	REVISION			DATE	BY	CF
<p style="text-align: center;">THOMAS BUILT BUSES, INC. HIGH POINT, NC</p>						
TOLERANCE UNLESS OTHERWISE NOTED						
THIRD ANGLE PROJECTION		DECIMAL ±	FRACTIONAL	ANGULAR		
		.XXX .015	±1/32	±1°		
		.XX .06				
		.X .1				
SWITCH PANEL ASSY, INSTALLATION						
DRN.10/13/03	SSB	MATERIAL: SEE NOTE #1				0:
CK'D10/13/03	GSH	SIZE	DWG. NO. SHEET 3 OF 5			
ENGR/DESIGNER	SSB	B	106348			
0.500						

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VIEW D
SHM INSTALLATION



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0.500	ENGR/DESIGNER SSB	B	106348
CK'D 10/13/03	GSH		
DRN 10/13/03	SSB	MATERIAL: SEE NOTE #1	
DWG. NO. SHEET 4 OF 5			

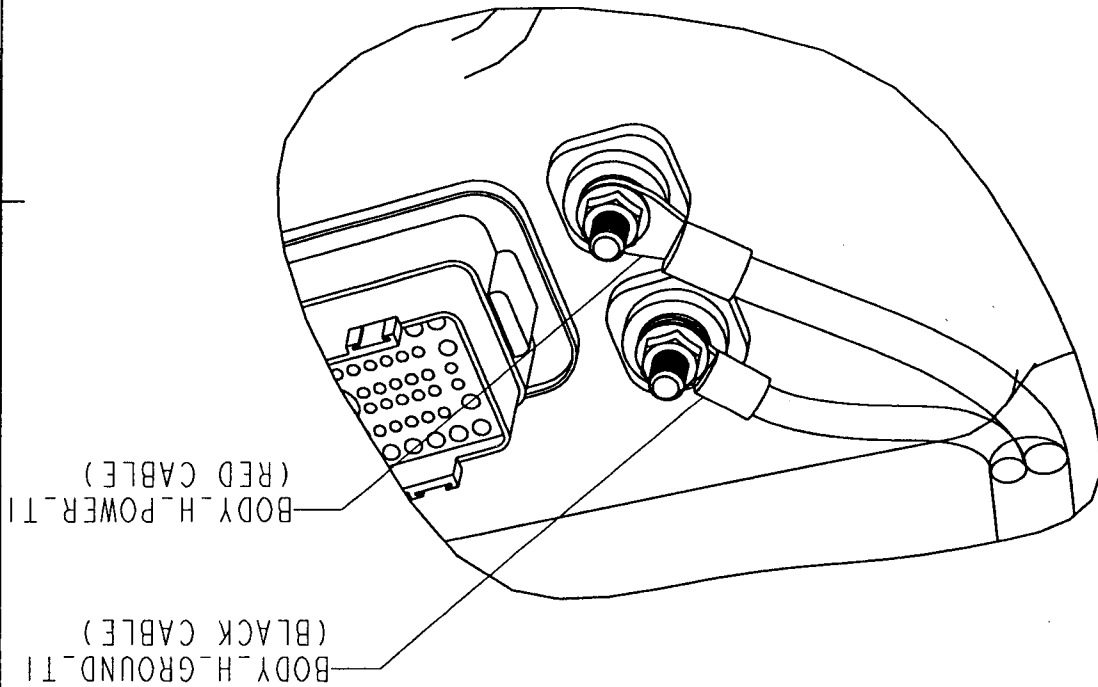
SWITCH PANEL ASSY, INSTALLATION

THIRD ANGLE PROJECTION	DECIMAL .015 .06 .1	FRACTIONAL $\frac{1}{32}$	ANGULAR $\pm 1^\circ$
TOLERANCE UNLESS OTHERWISE NOTED			

THOMAS BUILT BUSES, INC.
HIGH POINT, NC

6	INACTIVE, REPLACED BY 119437	REVISION	DATE	BY	CF
			06/13/06	RDB	MIG
			ECR-2292	SMK	

VIEW E
POWER AND GROUND

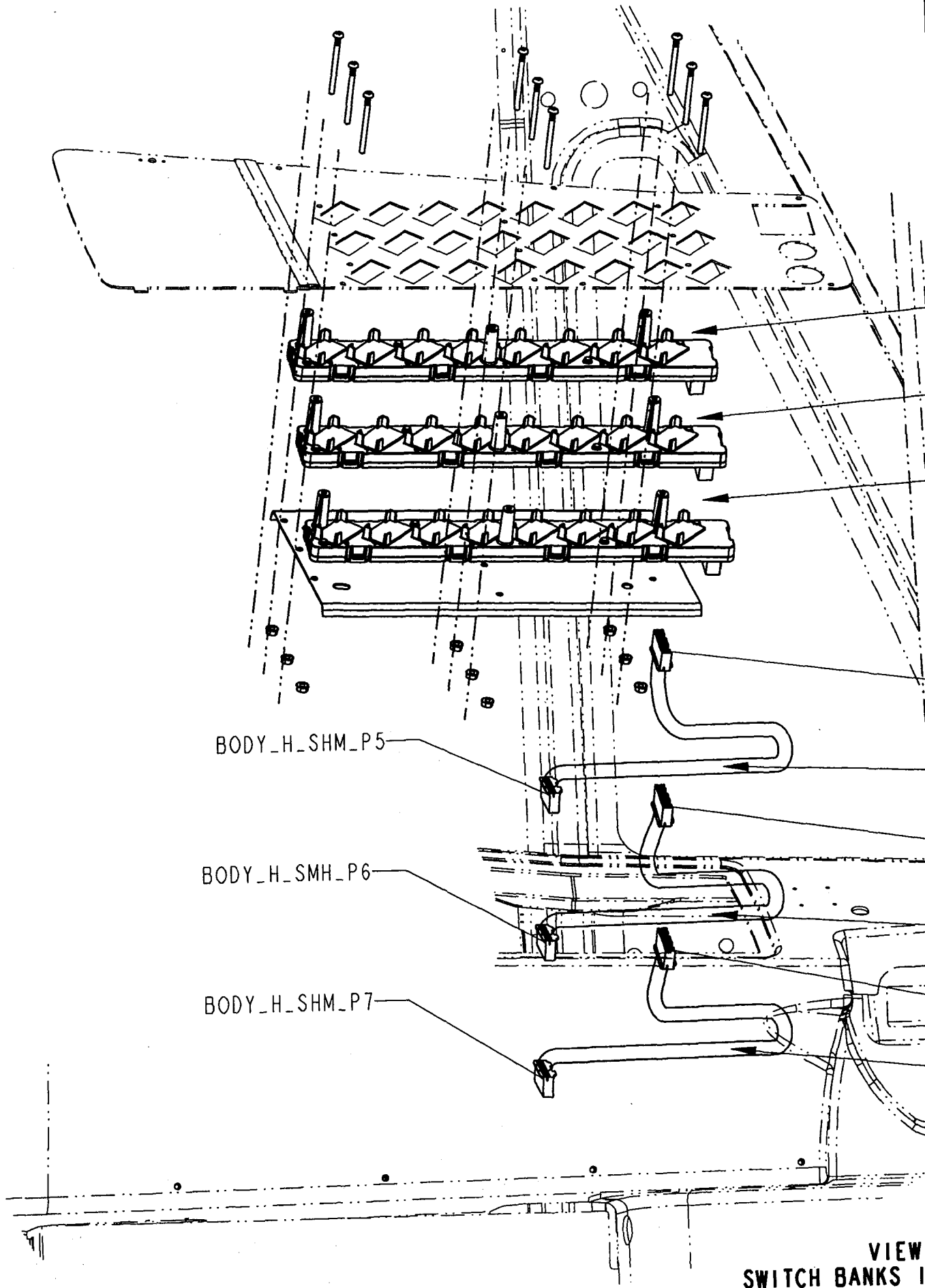


ITEM	QTY	PART NUMBER	COMPONENT DESCRIPTION
1	1	100078	ELECTRONIC COMPONENT ASSY, SHM
2	1	123719	ELECTRONIC MODULE, SWITCH HUB (SHM)
3	3	105826	1/4-20, HEX SERRATED FLANGE NUT

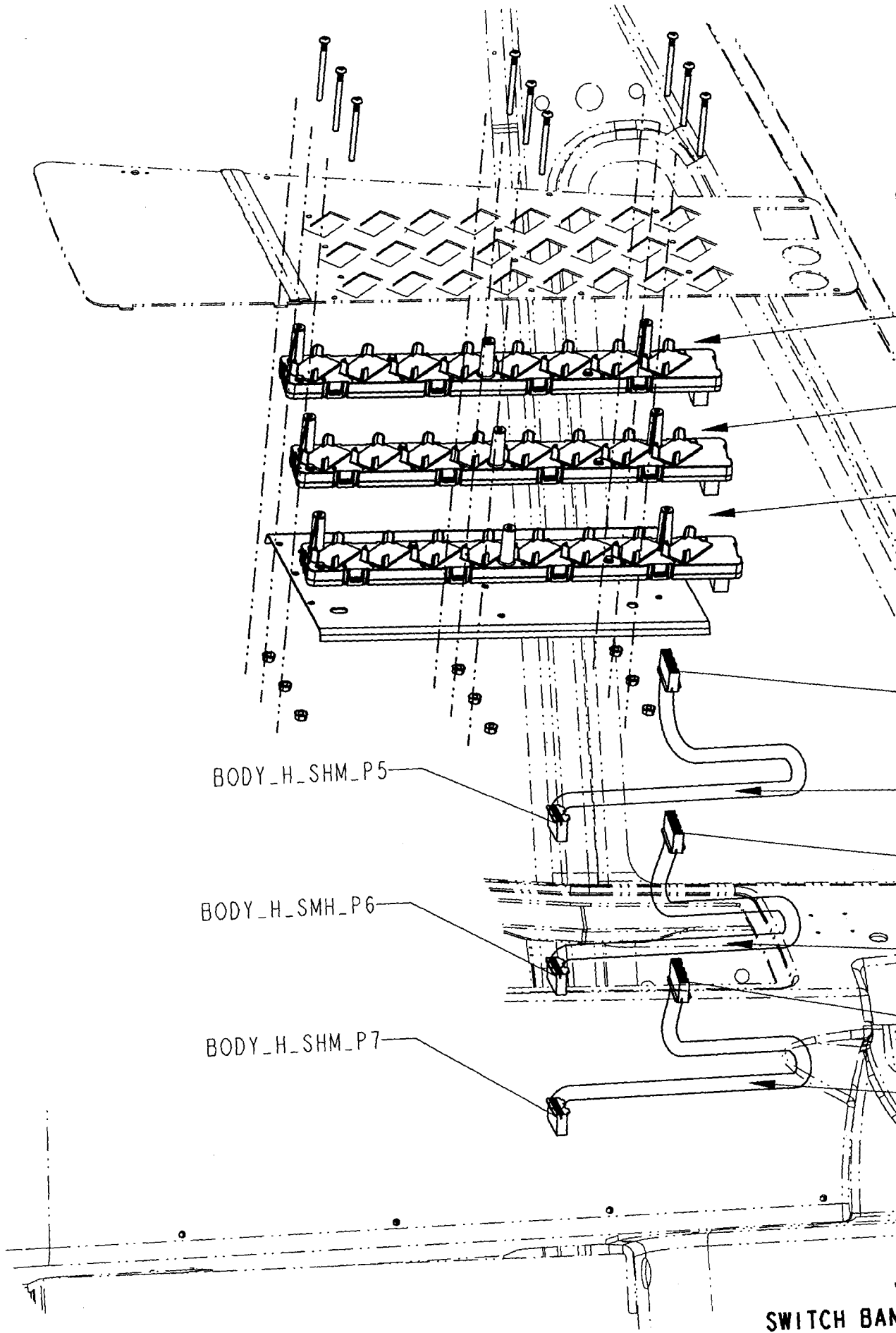
F

B

A



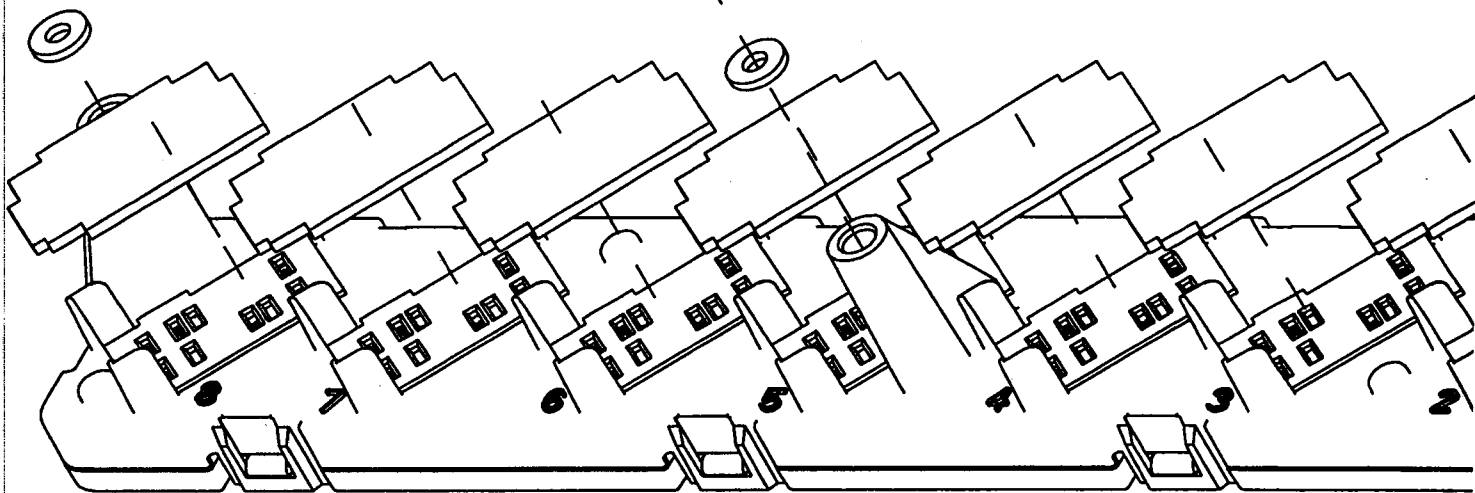
VIEW SWITCH BANKS I



B

A

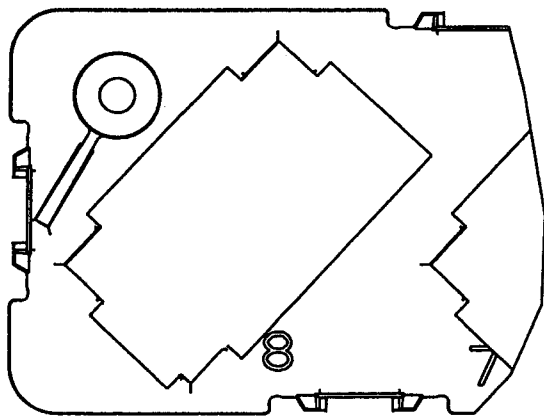
SWITCH BAN



SCALE 0.750

NOTES:

- 1. ORIENT EACH GELL GASKET
- 2. REMOVE PLASTIC LAMINATE AND APPLY.
- 3. ONCE IN PLACE, PRESS ON FROM BETWEEN THE GELL G



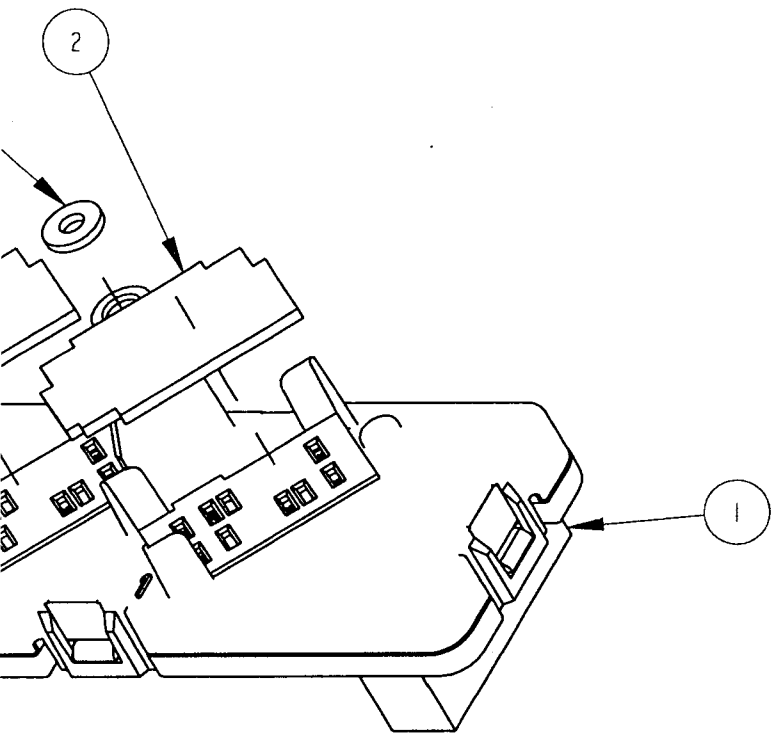
SCALE 1.000

VIEW A

B

A

ITEM	QTY	PART NUMBER	COMPONENT DESCRIPTION
1	1	100279	ELECTRONIC COMPONENT ASSY, 8SB
2	8	124989	GASKET, GELTECK, SWITCH BASE C2
3	3	61371314	WASHER, FLAT, #8



Attachment 20
(125535.pdf)

INACTIVE
 See title block for details

SHOWN IN VIEW A.
ON BOTH SIDES OF GELL GASKET

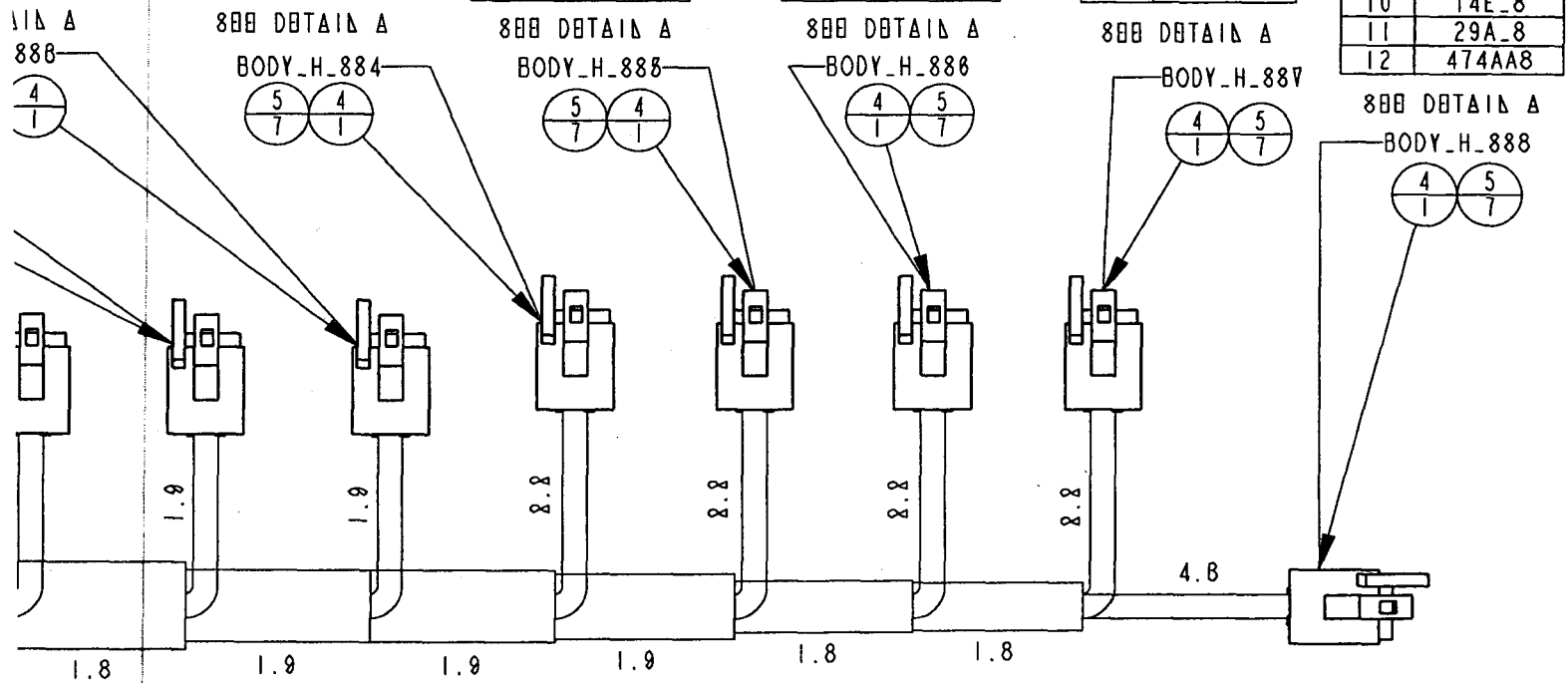
LL GASKET TO REMOVE AIR BUBBLES
ET AND THE SWITCH BASE ASSEMBLY.

B	INACTIVE, REPLACED BY 119437					
				06/14/06	RDB	MIG
LET	REVISION			DATE	BY	CF
THOMAS BUILT BUSES, INC. HIGH POINT, NC TOLERANCE UNLESS OTHERWISE NOTED						
THIRD ANGLE PROJECTION		DECIMAL ±	FRACTIONAL	ANGULAR		
		.XXX ±.015	±1/32	±1		
		.XX ±.06				
		.X ±.1				
ASSEMBLY, SWITCH BASE, GELTEK GASKET, C2						
DRN.12-19-05	DJH	MATERIAL: SEE NOTE #1				3
CK'D12-19-05	OCS	SIZE	DWG. NO. SHEET 1 OF 1			
ENGR/DESIGNER DJH		B	125535			
0.250						

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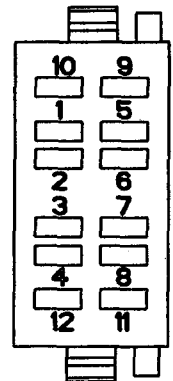
ITEM	QTY	PART NUMBER	COMPONENT DESCRIPTION
1	5	101220	WIRE SPLICE, ULTRASONIC PREFERRED, APPROPRIATE SUPPLIER AND PART NUMBER
2	1	102044	CONNECTOR, .025 40 PIN UNSEALED PLUG, AMP, 1318389-1
3	40	102045	TERMINAL, .025, 20-22 GA. UNSEALED RECEPTACLE, AMP, 1123343-1
4	8	130831	CONNECTOR, N-SERIES SMART SWITCH .187 TAB, CARLING, LCI-02
5	56	130832	TERMINAL, METRI PACK 480 20-22 GA, PACKARD, 12052219

CIRCUIT	PIN	CIRCUIT	PIN	CIRCUIT	PIN	CIRCUIT	PIN	CIRCUIT	PIN	CIRCUIT
4BA3	1		1		1		1		1	
	2	474BA4	2	474BA5	2	474BA6	2	474BA7	2	474BA8
	3		3		3		3		3	
	4		4		4		4		4	
	5		5		5		5		5	
	6		6		6		6		6	
4CA3	7	474CA4	7	474CA5	7	474CA6	7	474CA7	7	474CA8
4DA3	8	474DA4	8	474DA5	8	474DA6	8	474DA7	8	474DA8
DE_3	9	GNDE_4	9	GNDE_5	9	GNDE_6	9	GNDE_7	9	GNDE_8
IE_3	10	14E_4	10	14E_5	10	14E_6	10	14E_7	10	14E_8
IA_3	11	29A_4	11	29A_5	11	29A_6	11	29A_7	11	29A_8
4AA3	12	474AA4	12	474AA5	12	474AA6	12	474AA7	12	474AA8



BODY_H_VBAT_88

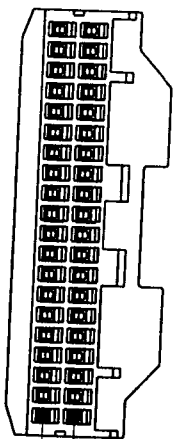
PIN	CIRCUIT
1	14_9
2	14E_4
2	14E_5
2	14E_6
2	14E_7
2	14E_8



DBTAIN A
TERMINAL INSERTION
REF ITEM 4

A	RELEASED			
		06/02/06	RDB	MIG
		ECR-2292	SWK	
LET	REVISION	DATE	BY	CF
THOMAS BUILT BUSES, INC. HIGH POINT, NC TOLERANCE UNLESS OTHERWISE NOTED				
THIRD ANGLE PROJECTION		DECIMAL ± .XXX .015 .XX .06 .X .1	FRACTIONAL ±1/32	ANGULAR ±1°
WIRING HARNESS CHART, 8SB INTERFACE, C2				
DRN.06/02/06	RDB	MATERIAL: SEE NOTE #1		0
CK'D06/02/06	SWK	SIZE	DWG. NO. SHEET 1 OF 2	
ENGR/DESIGNER	RDB	B	119437	
1 000				

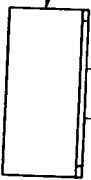
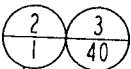
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DATA B
TERMINAL IDENTIFICATION
REF ITEM 8

888 DATA B

BODY_H_8HM_P8



8.6

8.1

BODY_H_GND_88

PIN	CIRCUIT
1	GNDE_0
2	GNDE_6
2	GNDE_7
2	GNDE_8

PIN	CIRCUIT
1	GNDE_1
2	474AA6
3	474AA4
4	474AA3
5	474AA1
6	29A_0
7	474BA2
8	GNDE_2
9	474BA4
10	474CA3
11	474CA2
12	474DA1
13	474CA4
14	474DA5
15	GNDE_3
16	474BA6
17	474CA6
18	474CA7
19	474DA8
20	GNDE_4
21	474AA8
22	474AA7
23	474AA5
24	GNDE_5
25	474AA2
26	14E_0
27	474BA1
28	474BA3
29	474DA4
30	474DA3
31	474DA2
32	GNDE_0
33	474CA1
34	474BA5
35	474CA5
36	474DA6
37	474BA7
38	474DA7
39	474BA8
40	474CA8

BODY_H_BAOKGT_84

PIN	CIRCUIT
1	29A_0
2	29A_1
2	29A_2
2	29A_3
2	29A_9

6.6

6.0

BODY_H_BAOKGT_81

PIN	CIRCUIT
1	29A_9
2	29A_4
2	29A_5
2	29A_6
2	29A_7
2	29A_8

1.6

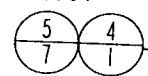
1.1

BODY_H_VBAT_88

PIN	CIRCUIT
1	14E_0
2	14E_1
2	14E_2
2	14E_3
2	14_9

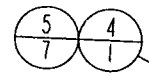
PIN	CIRCUIT
1	
2	474BA1
3	
4	
5	
6	
7	474CA1
8	474DA1
9	GNDE_1
10	14E_1
11	29A_1
12	474AA1

888 DATA A
BODY_H_881



PIN	CIRCUIT
1	
2	474BA2
3	
4	
5	
6	
7	474CA2
8	474DA2
9	GNDE_2
10	14E_2
11	29A_2
12	474AA2

888 DATA A
BODY_H_888



PIN	CIRCUIT
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

888 DATA A
BODY_H_888

NOTES:

1. REFER TO DRAWING 104018 FOR HARM888 SPECIFICATIONS.
2. HARM888 SHOWN IN BOUNDED FORM FOR CLARITY, SPOT TAPED FOR HARM888 SPECIFICATION.
3. CIRCUIT DATA TABLE COLUMN 'PIN' WITH PIN VALUE OF 'AAA_XX' FORMAT-- AAA IS REF DES AS REFERENCED BY HARM888 CONNECTOR AND XX IS CAVITY OF CONNECTOR. 'XX' FORMAT IS USED TO OVERLAY DRAWING.
4. ATTACH ONE LABEL TWO MONTHS FROM CONNECTOR: SEE LABEL REFERENCE DIAGRAM: 119488

CIRCUIT DESCRIPTION

MART SW, IND, SW A6
MART SW, IND, SW A4
MART SW, IND, SW A3
MART SW, IND, SW A1
MART SW, OUTPUT, SW A2
ND, ELECTRONICS
MART SW, OUTPUT, SW A4
MART SW, ID 1, SW A3
MART SW, ID 1, SW A2
MART SW, ID 2, SW A1
MART SW, ID 1, SW A4
MART SW, ID 2, SW A5
ND, ELECTRONICS
MART SW, OUTPUT, SW A6
MART SW, ID 1, SW A6
MART SW, ID 1, SW A7
MART SW, ID 2, SW A8
ND, ELECTRONICS
MART SW, IND, SW A8
MART SW, IND, SW A7
MART SW, IND, SW A5
ND, ELECTRONICS
MART SW, IND, SW A2
MART SW, OUTPUT, SW A1
MART SW, OUTPUT, SW A3
MART SW, ID 2, SW A4
MART SW, ID 2, SW A3
MART SW, ID 2, SW A2
ND, ELECTRONICS
MART SW, ID 1, SW A1
MART SW, OUTPUT, SW A5
MART SW, ID 1, SW A5
MART SW, ID 2, SW A6
MART SW, OUTPUT, SW A7
MART SW, ID 2, SW A7
MART SW, OUTPUT, SW A8
MART SW, ID 1, SW A8
ND, ELECTRONICS
ND, ELECTRONICS
ND, ELECTRONICS
ANEL LAMP SPLY
ANEL LAMP SPLY
ANEL LAMP SPLY
ANEL LAMP SPLY
ANEL LAMP SPLY
ANEL LAMP SPLY
ANEL LAMP SPLY
ANEL LAMP SPLY
VR, AUX PDM, ELECTRONIC
VR, AUX PDM, ELECTRONIC
VR, AUX PDM, ELECTRONIC
VR, AUX PDM, ELECTRONIC
VR, AUX PDM, ELECTRONIC
VR, AUX PDM, ELECTRONIC
VR, AUX PDM, ELECTRONIC
VR, AUX PDM, ELECTRONIC
VR, AUX PDM, ELECTRONIC
VR, AUX PDM, ELECTRONIC
ANEL LAMP SPLY
ANEL LAMP SPLY
ID, ELECTRONICS

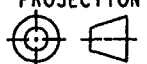
HARNESS CHART	
HARNESS PART NUMBER	CONFIGURATION
130802	BANK A
130594	BANK B
130596	BANK C

LABEL TABLE			
HARNESS	P5	SSI	SS8
130802	BANK A	BANKA_SSI	BANKA_SS8
130594	BANK B	BANKB_SSI	BANKB_SS8
130596	BANK C	BANKC_SSI	BANKC_SS8

A	RELEASED			
		06/02/06	RDB	MIG
LET	REVISION	DATE	BY	CF
		ECR-2292	SWK	

THOMAS BUILT BUSES, INC.
HIGH POINT, NC

TOLERANCE UNLESS OTHERWISE NOTED

	DECIMAL ±	FRACTIONAL	ANGULAR
	.xxx .015	±1/32	±1°
	.xx .06		
	.x .1		

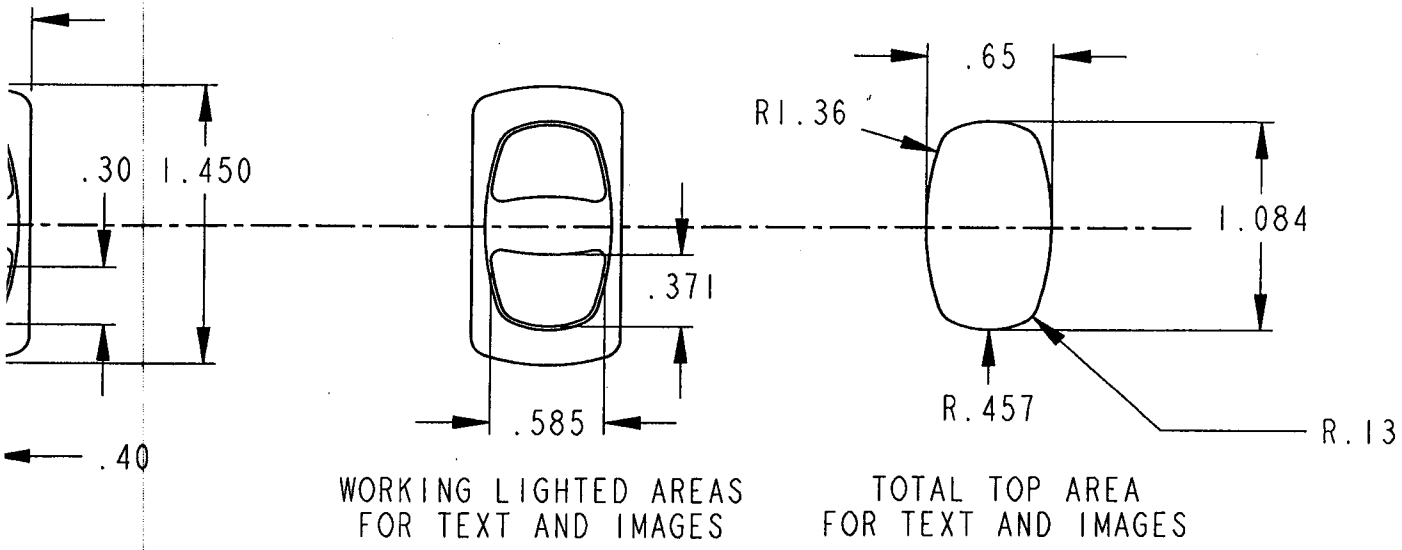
WIRING HARNESS CHART, 8SB INTERFACE, C2

DRN.06/02/06	RDB	MATERIAL: SEE NOTE #1	0
CK'D06/02/06	SWK	SIZE	DWG. NO. SHEET 2 OF 2
ENGR/DESIGNER	RDB	B	119437
1.000			

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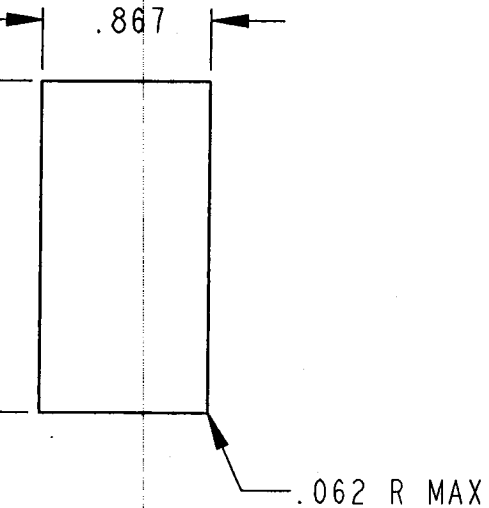
2 CIRCUIT DATA TABLE

CIRCUIT	SAE	TYPE	INSUL. TYPE	GAUGE	COLOR	STRIPE	FROM		TO		LENG
							REF DES (SEE NOTE 3)	PIN	REF DES	PIN	
474AA6	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS6	12	BODY_H_SHM_P5	2	32.7
474AA4	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS4	12	BODY_H_SHM_P5	3	29.0
474AA3	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS3	12	BODY_H_SHM_P5	4	26.8
474AA1	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS1	12	BODY_H_SHM_P5	5	23.1
474BA2	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS2	2	BODY_H_SHM_P5	7	24.9
GNDE_1	1206	WIRE	TXL	22	WHITE	NONE	BODY_H_SS1	9	BODY_H_SHM_P5	1	23.1
474BA4	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS4	2	BODY_H_SHM_P5	9	29.0
474CA3	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS3	7	BODY_H_SHM_P5	10	26.8
474CA2	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS2	7	BODY_H_SHM_P5	11	24.9
474DA1	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS1	8	BODY_H_SHM_P5	12	23.1
474CA4	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS4	7	BODY_H_SHM_P5	13	29.0
474DA5	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS5	8	BODY_H_SHM_P5	14	30.9
B GNDE_2	1206	WIRE	TXL	22	WHITE	NONE	BODY_H_SS2	9	BODY_H_SHM_P5	8	24.9
474BA6	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS6	2	BODY_H_SHM_P5	16	32.7
474CA6	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS6	7	BODY_H_SHM_P5	17	32.7
474CA7	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS7	7	BODY_H_SHM_P5	18	34.5
474DA8	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS8	8	BODY_H_SHM_P5	19	36.6
GNDE_3	1206	WIRE	TXL	22	WHITE	NONE	BODY_H_SS3	9	BODY_H_SHM_P5	15	26.8
474AA8	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS8	12	BODY_H_SHM_P5	21	36.6
474AA7	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS7	12	BODY_H_SHM_P5	22	34.5
474AA5	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS5	12	BODY_H_SHM_P5	23	30.9
GNDE_4	1206	WIRE	TXL	22	WHITE	NONE	BODY_H_SS4	9	BODY_H_SHM_P5	20	29.0
474AA2	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS2	12	BODY_H_SHM_P5	25	24.9
474BA1	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS1	2	BODY_H_SHM_P5	27	23.1
474BA3	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS3	2	BODY_H_SHM_P5	28	26.8
474DA4	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS4	8	BODY_H_SHM_P5	29	29.0
474DA3	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS3	8	BODY_H_SHM_P5	30	26.8
474DA2	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS2	8	BODY_H_SHM_P5	31	24.9
GNDE_5	1206	WIRE	TXL	22	WHITE	NONE	BODY_H_SS5	9	BODY_H_SHM_P5	24	30.9
474CA1	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS1	7	BODY_H_SHM_P5	33	23.1
474BA5	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS5	2	BODY_H_SHM_P5	34	30.9
474CA5	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS5	7	BODY_H_SHM_P5	35	30.9
474DA6	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS6	8	BODY_H_SHM_P5	36	32.7
474BA7	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS7	2	BODY_H_SHM_P5	37	34.5
474DA7	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS7	8	BODY_H_SHM_P5	38	34.5
474BA8	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS8	2	BODY_H_SHM_P5	39	36.6
474CA8	1408	WIRE	TXL	22	WHITE	NONE	BODY_H_SS8	7	BODY_H_SHM_P5	40	36.6
GNDE_6	1206	WIRE	TXL	22	WHITE	NONE	BODY_H_SS6	9	BODY_H_GND_S3	2	28.8
GNDE_7	1206	WIRE	TXL	22	WHITE	NONE	BODY_H_SS7	9	BODY_H_GND_S3	2	30.5
GNDE_8	1206	WIRE	TXL	22	WHITE	NONE	BODY_H_SS8	9	BODY_H_GND_S3	2	32.7
29A_1	1304	WIRE	TXL	22	WHITE	NONE	BODY_H_SS1	11	BODY_H_BACKLGT_S4	2	16.1
29A_2	1304	WIRE	TXL	22	WHITE	NONE	BODY_H_SS2	11	BODY_H_BACKLGT_S4	2	17.9
29A_3	1304	WIRE	TXL	22	WHITE	NONE	BODY_H_SS3	11	BODY_H_BACKLGT_S4	2	19.8
29A_4	1304	WIRE	TXL	22	WHITE	NONE	BODY_H_SS4	11	BODY_H_BACKLGT_S1	2	19.0
29A_5	1304	WIRE	TXL	22	WHITE	NONE	BODY_H_SS5	11	BODY_H_BACKLGT_S1	2	20.8
29A_6	1304	WIRE	TXL	22	WHITE	NONE	BODY_H_SS6	11	BODY_H_BACKLGT_S1	2	22.7
29A_7	1304	WIRE	TXL	22	WHITE	NONE	BODY_H_SS7	11	BODY_H_BACKLGT_S1	2	24.4
29A_8	1304	WIRE	TXL	22	WHITE	NONE	BODY_H_SS8	11	BODY_H_BACKLGT_S1	2	26.6
A 14E_1	1108	WIRE	TXL	22	WHITE	NONE	BODY_H_SS1	10	BODY_H_VBAT_S5	2	6.8
14E_2	1108	WIRE	TXL	22	WHITE	NONE	BODY_H_SS2	10	BODY_H_VBAT_S5	2	8.6
14E_3	1108	WIRE	TXL	22	WHITE	NONE	BODY_H_SS3	10	BODY_H_VBAT_S5	2	10.5
14E_4	1108	WIRE	TXL	22	WHITE	NONE	BODY_H_SS4	10	BODY_H_VBAT_S2	2	11.1
14E_5	1108	WIRE	TXL	22	WHITE	NONE	BODY_H_SS5	10	BODY_H_VBAT_S2	2	13.0
14E_6	1108	WIRE	TXL	22	WHITE	NONE	BODY_H_SS6	10	BODY_H_VBAT_S2	2	14.8
14E_7	1108	WIRE	TXL	22	WHITE	NONE	BODY_H_SS7	10	BODY_H_VBAT_S2	2	16.6
14E_8	1108	WIRE	TXL	22	WHITE	NONE	BODY_H_SS8	10	BODY_H_VBAT_S2	2	18.7
14E_9	1108	WIRE	TXL	22	WHITE	NONE	BODY_H_VBAT_S5	2	BODY_H_VBAT_S2	1	1.6
14E_0	1108	WIRE	TXL	22	WHITE	NONE	BODY_H_SHM_P5	26	BODY_H_VBAT_S5	1	16.3
29A_9	1304	WIRE	TXL	22	WHITE	NONE	BODY_H_BACKLGT_S1	1	BODY_H_BACKLGT_S4	2	3.0
29A_0	1304	WIRE	TXL	22	WHITE	NONE	BODY_H_SHM_P5	6	BODY_H_BACKLGT_S4	1	7.0
GNDE_0	1206	WIRE	TXL	22	WHITE	NONE	BODY_H_SHM_P5	32	BODY_H_GND_S3	1	3.9



TEXT AREA VIEWS
 (ALL DIMENSIONS ARE FOR REFERENCE ONLY)

ITCH MOUNTING HOLE

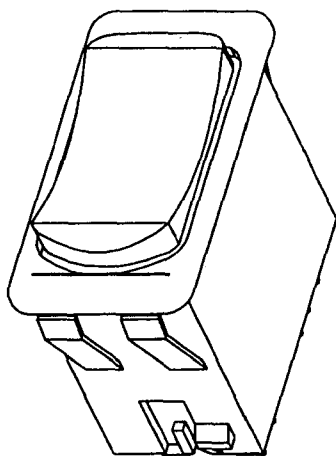


L THICKNESS RANGE
 .030 - .156

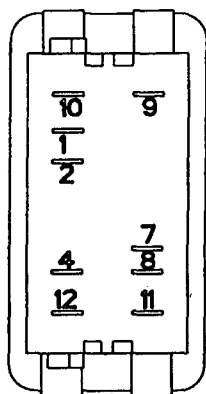
Attachment 23
 (103524.pdf)

E	1) SHEET 4, ADD SWITCH 134170					
	REV D ECR_2888			11-3-06	JBF	MIG
LET	REVISION			CR_D4551	RDB	
THOMAS BUILT BUSES, INC. HIGH POINT, NC						
TOLERANCE UNLESS OTHERWISE NOTED						
THIRD ANGLE PROJECTION	DECIMAL	FRACTIONAL	ANGULAR			
	.xxx .015	±1/32	±1°			
	.xx .06					
	.x .1					
SWITCH / PILOT LIGHT CHART, CODED						
DRN.9-16-03	MGP	MATERIAL: SEE NOTE #1			0	
CK'D9-16-03	TWH	SIZE	DWG. NO. SHEET 1 OF 15			
ENGR/DESIGNER	MGP	B	103524			
1.000						

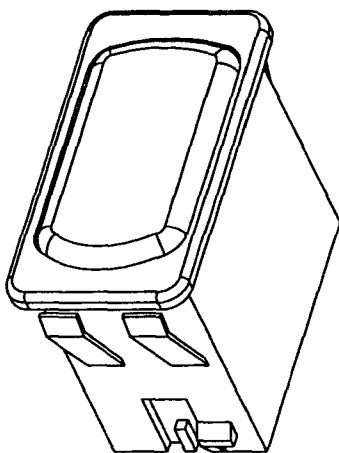
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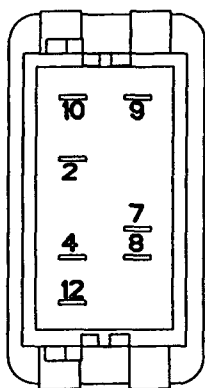
ROCKER SWITCH
ISO VIEW



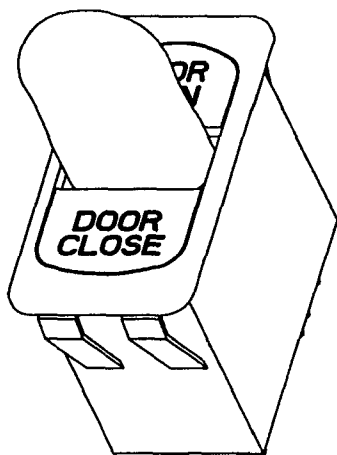
ROCKER SWITCH
TERMINAL
CONFIGURATION



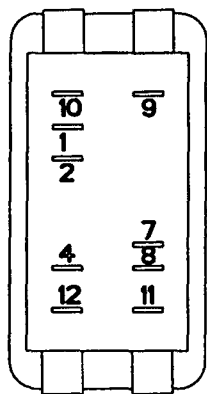
PILOT LIGHT
ISO VIEW



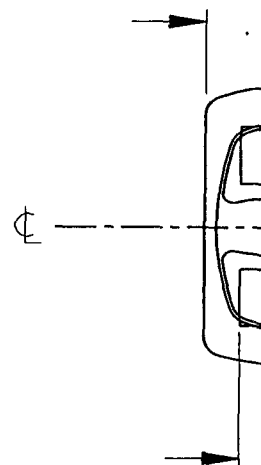
PILOT LIGHT
TERMINAL
CONFIGURATION



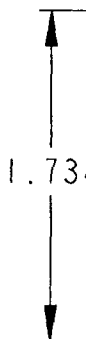
PADDLE SWITCH
ISO VIEW



PADDLE SWITCH
TERMINAL
CONFIGURATION



RECTANGLES REPRESENT
BEST LIT AREA
FOR TEXT



P

GENERIC VIEWS

ROCKER/PADDLE SWITCH DIODE CHART

COLOR	BRIGHTNESS	WAVELENGTH	VENDOR	VENDOR P/N
RED	60 MCD	630 nM	CARLING	338-07001-001
AMBER	50 MCD	610 nM	CARLING	338-07001-003
GREEN	240 MCD	563 nM	CARLING	338-07010-001

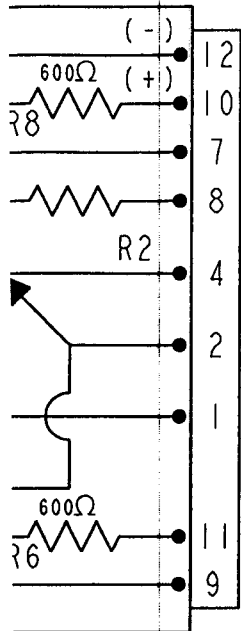
PILOT LIGHTS DIODE CHART

COLOR	BRIGHTNESS	WAVELENGTH	VENDOR	VENDOR P/N
RED	300 MCD	630 nM	CARLING	338-30468-001
AMBER	400 MCD	590 nM	CARLING	338-30468-002
GREEN	500 MCD	525 nM	CARLING	338-30468-003

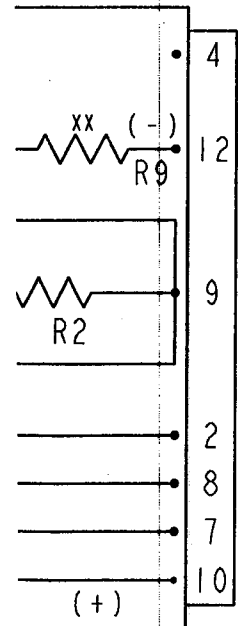
NOTES:

- 1) SUPPLIER: CARLING SWITCH
- 2) REFERENCE: MATE -LC2
TERMINAL -12015860
- 3) TERMINALS 1,2,4 GOLD PLATED
TERMINALS 7,8,9 SILVER PLATED
TERMINALS 10,11,12 NOT PLATED
*TERMINALS 2,4 ON PILOT LIGHTS, NOT PLATED
- 4) INCLUDE SERRATIONS ON MOUNTING WINGS
- 5) NO SINGLE CONTACT SHALL SOURCE CURRENT GREATER THAN 250 mA. RMS
- 6) PILOT LIGHT LENS MUST BE TRANSLUCENT
- 7) SWITCH TEXT FONT: MODIFIED FUTURA
NOMINAL SWITCH TEXT HEIGHT: 0.112
SWITCH TEXT ASPECT RATIO: 1:1
- 8) SMALLER FONT MAY BE USED TO DEPICT TEXT AS SHOWN ON SWITCHES AND PILOT LIGHTS WITH AN "*" BESIDE THE LEGEND COLORS.

CIRCUIT B



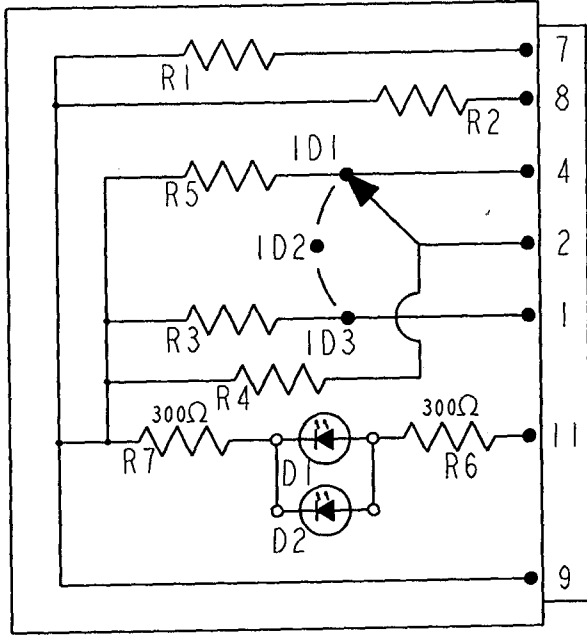
CIRCUIT D



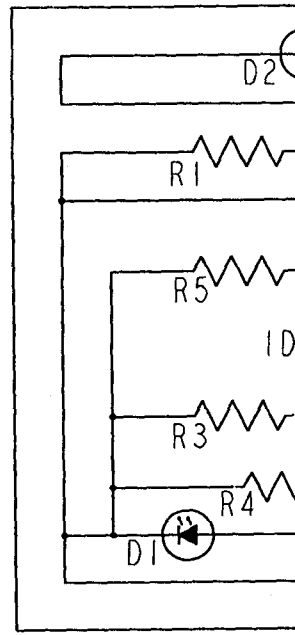
E	1) SHEET 4, ADD SWITCH 134170					
	REV D ECR.2888			11-3-06	JBF	MIG
				CR.04551	RDB	
LET	REVISION			DATE	BY	CF
THOMAS BUILT BUSES, INC. HIGH POINT, NC TOLERANCE UNLESS OTHERWISE NOTED						
THIRD ANGLE PROJECTION		DECIMAL	FRACTIONAL	ANGULAR		
		.XXX .015	±1/32	±1°		
		.XX .06				
		.X .1				
SWITCH / PILOT LIGHT CHART, CODED						
DRN.9-16-03	MGP	MATERIAL: SEE NOTE #1			0	
CK'D9-16-03	TWH	SIZE	DWG. NO. SHEET 2 OF 5			
ENGR/DESIGNER	MGP	B	103524			
1.000						

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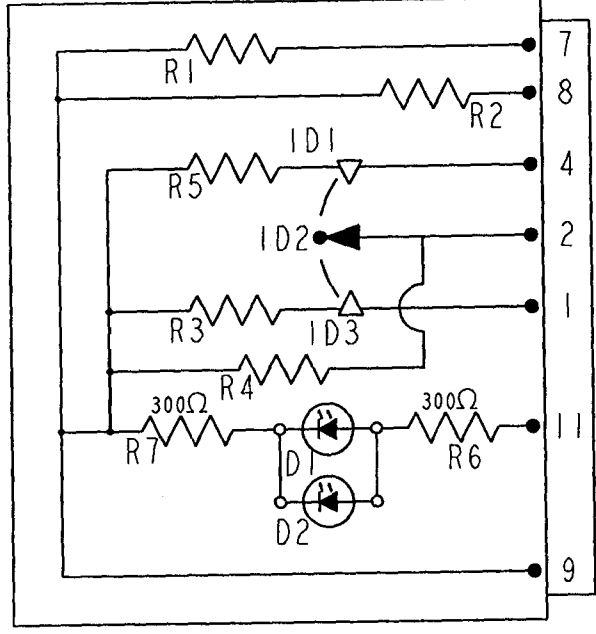
SMART SWITCH CIRCUIT A



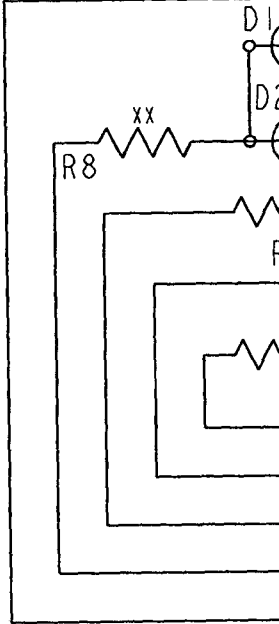
SMART SWITCH



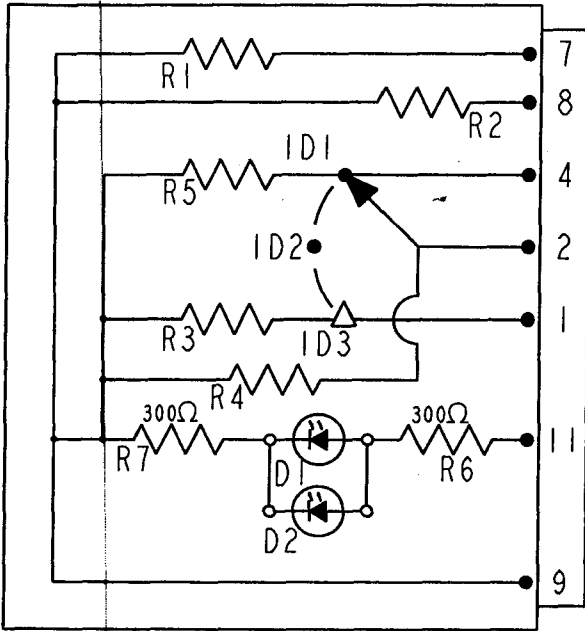
SMART SWITCH CIRCUIT C



SMART SWITCH



SMART SWITCH CIRCUIT F

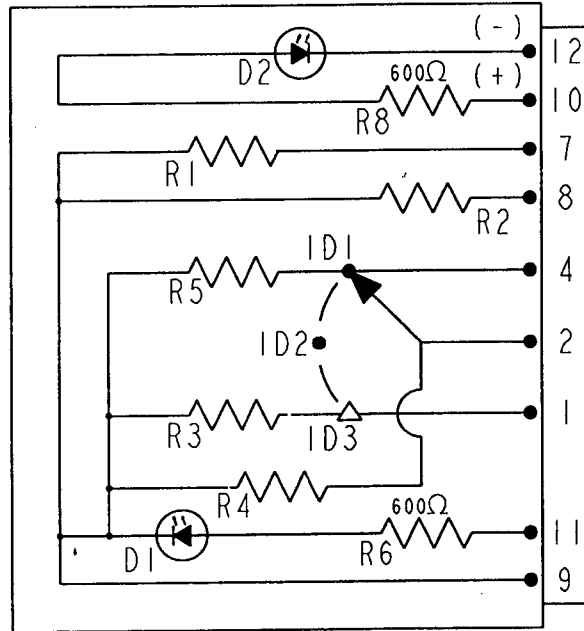


12
10
7
8
4
2
1
11
9

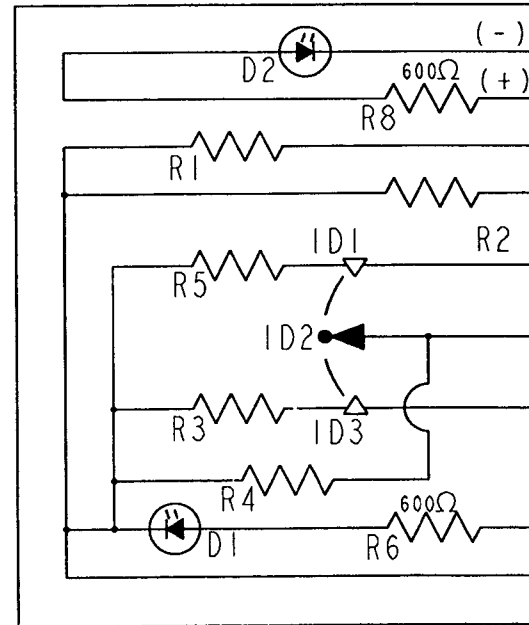
E	1) SHEET 4, ADD SWITCH 134170					
	REV D ECR.2888			11-3-06	JBF	MIG
LET	REVISION			CR_D4551	RDB	
				DATE	BY	CF
THOMAS BUILT BUSES, INC. HIGH POINT, NC						
TOLERANCE UNLESS OTHERWISE NOTED						
THIRD ANGLE PROJECTION		DECIMAL	FRACTIONAL	ANGULAR		
		.XXX .015	±1/32	±1°		
		.XX .06				
		.X .1				
SWITCH / PILOT LIGHT CHART, CODED						
DRN.9-16-03		MGP	MATERIAL: SEE NOTE #1			1
CK'D9-16-03		TWH	SIZE	DWG. NO. SHEET 3 OF 15		
ENGR/DESIGNER		SWK	B	103524		
1.000						

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SMART SWITCH CIRCUIT E



SMART SWITCH CIRCUIT G



B

A

ARE DECIMAL VALUE	
ARE HEX VALUE	
LOR (UPPER LED) ATOR (1) OR BACKLIGHT (B)	
LEGEND COLOR	
LEGEND R LEGEND LEGEND	REFERENCE ONLY
LEGEND COLOR	
LOR (LOWER LED) ATOR (1) OR BACKLIGHT (B)	
SISTOR VALUE	
SISTOR VALUE	
SISTOR VALUE	
SISTOR VALUE	
SISTOR VALUE	
IT	
POSITION E POSITION POSITION	
POSITION	
ED ROCKER SWITCH	
R SWITCH	
E SWITCH	
LIGHT	
R COLOR	
LIGHT LENS COLOR	
E COLOR	

E	1) SHEET 4, ADD SWITCH 134170			
	REV D ECR.2888	11-3-06	JBF	MIG
		CR_D4551	RDB	
LET	REVISION	DATE	BY	CF
THOMAS BUILT BUSES, INC. HIGH POINT, NC				
TOLERANCE UNLESS OTHERWISE NOTED				
THIRD ANGLE PROJECTION	DECIMAL .XXX .015 .XX .06 .X .1	FRACTIONAL ±1/32	ANGULAR ±1°	
SWITCH / PILOT LIGHT CHART, CODED				
DRN.9-16-03	MGP	MATERIAL: SEE NOTE #1		0
CK'D9-16-03	TWH	SIZE	DWG. NO. SHEET 4 OF 15	
ENGR/DESIGNER	MGP	B	103524	
1.000				

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273		274			275		276		277		278		279		SC	
111		112			113		114		115		116		117		SC	
GREEN (B)		GREEN (B)			GREEN (B)		RED (1)		RED (1)		AMBER (1)		GREEN (B)		D2 IN	
REVERSE WHITE		REVERSE WHITE			REVERSE WHITE		WHITE		REVERSE WHITE		REVERSE WHITE		REVERSE WHITE		UP	
																UP CE LO
REVERSE WHITE		REVERSE WHITE			REVERSE WHITE		WHITE		REVERSE WHITE		REVERSE WHITE		REVERSE WHITE		LO	
GREEN (B)		GREEN (B)			GREEN (B)		GREEN (B)		GREEN (B)		GREEN (B)		GREEN (B)		DI IN	
1.02K		1.02K			1.02K		1.02K		1.02K		1.02K		1.02K		RI	
1.02K		1.30K			1.62K		2.00K		2.43K		2.94K		3.57K		R2	
0.825K		0.825K			0.825K		0.825K		0.825K		0.825K		0.825K		R3	
6.65K		6.65K			6.65K		6.65K		6.65K		6.65K		6.65K		R4	
3.83K		3.83K			3.83K		3.83K		3.83K		3.83K		3.83K		R5	
A	F	A		F		A	F	E		B		B	A	CI		
ON NONE OFF	MOM ON ON OFF	ON NONE OFF		MOM ON ON OFF		ON NONE OFF	MOM ON ON OFF	MOM ON ON OFF		ON NONE OFF		ON NONE OFF	ON ON OFF	UP MI LO		
LOWER	LOWER	LOWER		LOWER		LOWER		LOWER		LOWER		LOWER	LOWER	RE		
															GU	
I		I			I		I		I		I		I		RO	
															PA	
															PI	
BLACK		BLACK			BLACK		BLACK		BLACK		RED		BLACK		RO	
															PI	
BLACK		BLACK			BLACK		RED		BLACK		BLACK		BLACK		FL	
A	100134 REAR DOME LIGHTS	104235 REAR DOME LIGHTS DIMMER	100129 FRONT DOME LIGHTS	103006 DOME LIGHTS	104236 FRONT DOME LIGHTS DIMMER	104237 DOME LIGHTS DIMMER	100130 DRIVER'S DOME LIGHT	104960 DRIVER'S DOME LIGHT DIMMER	100135 WARNING LIGHTS	134170 WARNING LIGHTS	100199 ID LIGHTS	102997 ID/MARKER LIGHTS	100136 STROBE LIGHT	100137 WINDSHIELD DEFROSTER FAN		

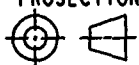
SOFTWARE DECIMAL VALUE
SOFTWARE HEX VALUE
D2 COLOR (UPPER LED) INDICATOR (I) OR BACKLIGHT (B)
UPPER LEGEND COLOR
UPPER LEGEND CENTER LEGEND LOWER LEGEND
REFERENCE ONLY
LOWER LEGEND COLOR
D1 COLOR (LOWER LED) INDICATOR (I) OR BACKLIGHT (B)
R1 RESISTOR VALUE
R2 RESISTOR VALUE
R3 RESISTOR VALUE
R4 RESISTOR VALUE
R5 RESISTOR VALUE
CIRCUIT
UPPER POSITION MIDDLE POSITION LOWER POSITION
REST POSITION
GUARDED ROCKER SWITCH
ROCKER SWITCH
PADDLE SWITCH
PILOT LIGHT
ROCKER COLOR
PILOT LIGHT LENS COLOR
FLANGE COLOR

E	1) SHEET 4, ADD SWITCH 134170			
	REV D ECR_2888	11-3-06	JBF	MIG
		CR_D4551	RDB	
LET	REVISION	DATE	BY	CF
THOMAS BUILT BUSES, INC. HIGH POINT, NC TOLERANCE UNLESS OTHERWISE NOTED				
THIRD ANGLE PROJECTION	DECIMAL .xxx .015 .xx .06 .x .1	FRACTIONAL ±1/32	ANGULAR ±1°	
SWITCH / PILOT LIGHT CHART, CODED				
DRN.9-16-03	MGP	MATERIAL: SEE NOTE #1		0
CK'D9-16-03	TWH	SIZE	DWG. NO. SHEET 5 OF 15	
ENGR/DESIGNER	MGP	B	103524	
1.000				

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280	281	282	283			284	² 289	290	291	292	293	294	
118	119	11A	11B			11C	121	122	123	124	125	126	
AMBER (1)	GREEN (B)	AMBER (1)	GREEN (B)			AMBER (1)	AMBER (1)	AMBER (1)	AMBER (1)	AMBER (1)	RED (1)	GREEN (B)	
REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	WHITE			REVERSE WHITE	REVERSE WHITE		REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	WHITE
REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	WHITE			REVERSE WHITE	REVERSE WHITE		REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	WHITE
GREEN (B)	GREEN (B)	GREEN (B)	GREEN (B)			GREEN (B)	GREEN (B)		GREEN (B)	GREEN (B)	GREEN (B)	GREEN (B)	GREEN (B)
1.02K	1.02K	1.02K	1.02K			1.02K	1.30K		1.30K	1.30K	1.30K	1.30K	1.30K
4.32K	5.23K	6.34K	7.87K			10.00K	1.02K		1.30K	1.62K	2.00K	2.43K	2.94K
0.825K	0.825K	0.825K	0.825K			0.825K	0.825K		0.825K	0.825K	0.825K	0.825K	0.825K
6.65K	6.65K	6.65K	6.65K			6.65K	6.65K		6.65K	6.65K	6.65K	6.65K	6.65K
3.83K	3.83K	3.83K	3.83K			3.83K	3.83K		3.83K	3.83K	3.83K	3.83K	3.83K
B	F	B	A	C	A	B	B	E	B	B	B	E	F
ON NONE OFF	MOM ON NONE OFF	ON NONE OFF	ON NONE OFF	MOM ON OFF MOM ON	ON ON OFF	ON NONE OFF	ON NONE OFF	MOM ON NONE OFF	ON ON OFF	ON ON OFF	ON ON OFF	MOM ON NONE OFF	MOM ON NONE OFF
LOWER	LOWER	LOWER	LOWER	MIDDLE	LOWER	LOWER	LOWER	LOWER	LOWER	LOWER	LOWER	LOWER	LOWER
BLACK	BLACK	BLACK	BLACK			BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK
BLACK	BLACK	BLACK	RED			BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	YELLOW	YELLOW
A 100131 LUGGAGE COMPARTMENT LIGHT	100138 AIR HORN	100132 DESTINATION SIGN	103223 AIR SERVICE DOOR	100139 ELECTRIC SERVICE DOOR	104539 AIR SERVICE DOOR (3 POSITION SWITCH)	100133 HEATER PUMP	100140 MIRROR HEATER	123549 MIRROR HEATER (TIMED)	100141 LEFT FRONT HEATER (FWD)	103539 LEFT REAR HEATER (AFT)	100215 RIGHT REAR HEATER (REAR)	103017 CROSSING ARM DEACTIVATION	100142 NOISE SUPPRESSION

	SOFTWARE DECIMAL VALUE
	SOFTWARE HEX VALUE
RED (1)	D2 COLOR (UPPER LED) INDICATOR (1) OR BACKLIGHT (B)
	UPPER LEGEND COLOR
	UPPER LEGEND CENTER LEGEND REFERENCE ONLY LOWER LEGEND
	LOWER LEGEND COLOR
RED (1)	D1 COLOR (LOWER LED) INDICATOR (1) OR BACKLIGHT (B)
	R1 RESISTOR VALUE
	R2 RESISTOR VALUE
	R3 RESISTOR VALUE
	R4 RESISTOR VALUE
	R5 RESISTOR VALUE
	CIRCUIT
	UPPER POSITION MIDDLE POSITION LOWER POSITION
	REST POSITION
	GUARDED ROCKER SWITCH
	ROCKER SWITCH
	PADDLE SWITCH
	PILOT LIGHT
	ROCKER COLOR
RED	PILOT LIGHT LENS COLOR
	FLANGE COLOR
105848 RED WARNING LIGHTS	

E	1) SHEET 4, ADD SWITCH 134170				
	REV D ECR-2888	11-3-06	JBF	MIG	
		CR-D4551	RDB		
LET	REVISION	DATE	BY	CF	
THOMAS BUILT BUSES, INC. HIGH POINT, NC					
TOLERANCE UNLESS OTHERWISE NOTED					
THIRD ANGLE PROJECTION	DECIMAL	FRACTIONAL	ANGULAR		
	.XXX .015 .XX .06 .X .1	±1/32	±1°		
SWITCH / PILOT LIGHT CHART, CODED					
DRN.9-16-03	MGP	MATERIAL: SEE NOTE #1			0
CK'D9-16-03	TWH	SIZE	DWG. NO. SHEET 6 OF 15		
ENGR/DESIGNER	MGP	B	103524		
1.000					

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295	296	297	298	299	300	305		306	307	308	309			
127	128	129	12A	12B	12C	131		132	133	134	135			
AMBER (1)	AMBER (1)	RED (1)	RED (1)	RED (1)	RED (1)	RED (1)		RED (1)	RED (1)	GREEN (B)	RED (1)	GREEN (1)		
REVERSE WHITE	WHITE	WHITE	WHITE	WHITE	WHITE	REVERSE WHITE		REVERSE WHITE	WHITE	REVERSE WHITE	WHITE	WHITE		
REVERSE WHITE	WHITE	WHITE	WHITE	WHITE	WHITE	REVERSE WHITE		REVERSE WHITE	WHITE	REVERSE WHITE	WHITE	WHITE		
GREEN (B)	AMBER (1)	RED (1)	RED (1)	RED (1)	GREEN (B)	GREEN (B)		GREEN (B)	GREEN (B)	GREEN (B)	RED (1)	GREEN (1)		
1.30K	1.30K	1.30K	1.30K	1.30K	1.30K	1.62K		1.62K	1.62K	1.62K	1.62K	1.62K		
3.57K	4.32K	5.23K	6.34K	7.87K	10.00K	1.02K		1.30K	1.62K	2.00K	2.43K	2.43K		
0.825K	--	--	--	--	0.825K	0.825K		0.825K	0.825K	0.825K	--	--		
6.65K	6.65K	6.65K	6.65K	6.65K	6.65K	6.65K		6.65K	6.65K	6.65K	6.65K	6.65K		
3.83K	--	--	--	--	3.83K	3.83K		3.83K	3.83K	3.83K	--	--		
B	D	D	D	D	B	B	E	E	B	E	C	D		
ON NONE OFF	--	--	--	--	ON OFF ON	ON NONE OFF	MOM ON NONE OFF	MOM NONE OFF	ON NONE OFF	MOM ON NONE OFF	MOM ON OFF MOM ON			
LOWER	--	--	--	--	MIDDLE	LOWER		LOWER	LOWER	LOWER	MIDDLE			
BLACK					BLACK	BLACK		BLACK	BLACK	BLACK				
	AMBER	RED	RED	RED							RED	GREEN		
BLACK	BLACK	BLACK	BLACK	BLACK	RED	RED		RED	RED	BLACK	RED	BLACK		
A 100143 SPEAKER (INTERIOR/EXTERIOR)	100154 AMBER WARNING LIGHTS	100155 RED WARNING LIGHTS	100268 BRAKE LIGHTS	103538 REAR EMERGENCY DOOR	103008 WARNING LIGHTS	102996 WARNING LIGHTS	103398 WARNING LIGHTS	103011 EMERGENCY WARNING (MOM-ON)	112364 EMERGENCY WARNING (OFF-ON)	103009 WARNING LIGHTS	103190 SWITCH BACKLIGHT DIMMER	103235 VANDALOCK STATUS	103237 WARNING SYSTEM (MASTER PILOT)	103194

SOFTWARE DECIMAL VALUE
SOFTWARE HEX VALUE
D2 COLOR (UPPER LED) INDICATOR (I) OR BACKLIGHT (B)
UPPER LEGEND COLOR
UPPER LEGEND CENTER LEGEND REFERENCE ONLY LOWER LEGEND
LOWER LEGEND COLOR
D1 COLOR (LOWER LED) INDICATOR (I) OR BACKLIGHT (B)
R1 RESISTOR VALUE
R2 RESISTOR VALUE
R3 RESISTOR VALUE
R4 RESISTOR VALUE
R5 RESISTOR VALUE
CIRCUIT
UPPER POSITION MIDDLE POSITION LOWER POSITION
REST POSITION
GUARDED ROCKER SWITCH
ROCKER SWITCH
PADDLE SWITCH
PILOT LIGHT
ROCKER COLOR
PILOT LIGHT LENS COLOR
FLANGE COLOR

E	1) SHEET 4, ADD SWITCH 134170			
	REV D ECR_2888	11-3-06	JBF	MIG
		CR_D4551	RDB	
LET	REVISION	DATE	BY	CF
THOMAS BUILT BUSES, INC. HIGH POINT, NC				
TOLERANCE UNLESS OTHERWISE NOTED				
THIRD ANGLE PROJECTION	DECIMAL .XXX .015 .XX .06 .X .1	FRACTIONAL ±1/32	ANGULAR ±1°	
SWITCH / PILOT LIGHT CHART, CODED				
DRN.9-16-03	MGP	MATERIAL: SEE NOTE #1		0
CK'D9-16-03	TWH	SIZE	DWG. NO. SHEET 7 OF 15	
ENGR/DESIGNER	MGP	B	103524	
1.000				

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311	312	313	314	315	316	2 321			322	323	324	325	326	
137	138	139	13A	13B	13C	141			142	143	144	145	146	
GREEN (B)	RED (I)	AMBER (I)	AMBER (I)	AMBER (I)	AMBER (I)	RED (I)	GREEN (B)	GREEN (B)	GREEN (B)	AMBER (I)	AMBER (I)	AMBER (I)	AMBER (I)	A
WHITE	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE*		WHITE*	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	RE
WHITE	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE*		WHITE*	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	REVERSE WHITE	RE
GREEN (B)	GREEN (B)	GREEN (B)	GREEN (B)	GREEN (B)	GREEN (B)	GREEN (B)			GREEN (B)	GREEN (B)	GREEN (B)	GREEN (B)	GREEN (B)	GR
1.62K	1.62K	1.62K	1.62K	1.62K	1.62K	2.00K			2.00K	2.00K	2.00K	2.00K	2.00K	2.
3.57K	4.32K	5.23K	6.34K	7.87K	10.00K	1.02K			1.30K	1.62K	2.00K	2.43K	2.94K	3.
0.825K	0.825K	0.825K	0.825K	0.825K	0.825K	0.825K			0.825K	0.825K	0.825K	0.825K	0.825K	0.8
6.65K	6.65K	6.65K	6.65K	6.65K	6.65K	6.65K			6.65K	6.65K	6.65K	6.65K	6.65K	6.
3.83K	3.83K	3.83K	3.83K	3.83K	3.83K	3.83K			3.83K	3.83K	3.83K	3.83K	3.83K	3.
C	B	B	B	B	B	B	F	C	B	B	B	B	B	
MOM ON OFF MOM ON	ON NONE OFF	ON NONE OFF	ON NONE OFF	ON NONE OFF	ON NONE OFF	ON NONE OFF	MOM ON NONE OFF	MOM ON OFF MOM ON	ON ON ON	ON NONE OFF	ON NONE OFF	ON ON OFF	ON ON OFF	C NO O
MIDDLE	LOWER	LOWER	LOWER	LOWER	LOWER	LOWER	LOWER	MIDDLE	LOWER	LOWER	LOWER	LOWER	LOWER	LO
BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	RED	RED	RED	BLACK	BLACK	BLACK	BLACK	BLACK	BL
RED	BLACK	BLACK	BLACK	BLACK	BLACK	RED	RED	RED	BLACK	BLACK	BLACK	BLACK	BLACK	BL
A 103010 WARNING LIGHTS	102319 WHEELCHAIR LIFT POWER	102998 VIDEO CAMERA	104538 HATCH VENT FAN	104166 FOG LIGHTS	104174 EMERGENCY DOOR LIGHT	123775 WARNING OVERRIDE	123776 WARNING OVERRIDE MOMENTARY	123777 WARNING OVERRIDE MOMENTARY	104379 A/C FAN	104175 STEP/DOOR LIGHT	104176 SANDER	103015 STEPWELL HEATER	104219 A/C	104223

328	329	330		331	332	337	² 338	339	340	341	342		SOFTWARE
148	149	14A		14B	14C	151	152	153	154	155	156		SOFTWARE
GREEN (B)	GREEN (B)	RED (1)	GREEN (1)	RED (1)	AMBER (1)	RED (1)	GREEN (1)	AMBER (1)	RED (1)	AMBER (1)	RED (1)	GREEN (1)	D2 COLOR INDICATOR
REVERSE WHITE	REVERSE WHITE	WHITE		WHITE*	REVERSE WHITE	WHITE*	WHITE*	REVERSE WHITE*	WHITE	REVERSE WHITE	WHITE		UPPER LEG
													UPPER LEG CENTER LEG LOWER LEG
REVERSE WHITE	REVERSE WHITE	WHITE		WHITE*	REVERSE WHITE	WHITE*	WHITE*	REVERSE WHITE*	WHITE	REVERSE WHITE	WHITE		LOWER LEG
GREEN (B)	GREEN (B)	RED (1)	GREEN (1)	RED (1)	GREEN (B)	RED (1)	GREEN (1)	GREEN (B)	RED (1)	GREEN (B)	RED (1)	GREEN (1)	D1 COLOR INDICATOR
2.00K	2.00K	2.00K		2.00K	2.00K	2.43K	2.43K	2.43K	2.43K	2.43K	2.43K		R1 RESIST
4.32K	5.23K	6.34K		7.87K	10.00K	1.02K	1.30K	1.62K	2.00K	2.43K	2.94K		R2 RESIST
0.825K	0.825K	--		--	0.825K	--	--	0.825K	--	0.825K	--		R3 RESIST
6.65K	6.65K	6.65K		6.65K	6.65K	6.65K	6.65K	6.65K	6.65K	6.65K	6.65K		R4 RESIST
3.83K	3.83K	--		--	3.83K	--	--	3.83K	--	3.83K	--		R5 RESIST
B	B	D		D	B	D	D	B	D	B	D		CIRCUIT
ON ON OFF	ON NONE OFF				ON NONE OFF			ON NONE OFF		ON NONE OFF			UPPER POS MIDDLE PO LOWER POS
LOWER	LOWER				LOWER			LOWER		LOWER			REST POSI
													GUARDED R
													ROCKER SW
													PADDLE SW
													PILOT LIG
BLACK	BLACK				BLACK			BLACK		BLACK			ROCKER CO
		RED	GREEN	RED		RED	GREEN		RED		RED	GREEN	PILOT LIG
BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	RED	BLACK		FLANGE CO
^A 104238 LEFT SIDE DEFROSTER FAN	104535 READING LIGHTS	104248 WHEELCHAIR LIFT POWER RED LED	104249 WHEELCHAIR LIFT POWER GREEN LED	104285 POST TRIP INSPECTION	104534 HEATED STEP TREAD	104537 ADA STOP REQUEST PILOT LIGHT	104536 STOP REQUEST PILOT LIGHT	104533 STOP REQUEST SWITCH	103397 SIDE EMERGENCY DOOR	103399 MASTER WARNING SWITCH	106436 LIFT DOOR PILOT (RED)	123736 LIFT DOOR PILOT (GREEN)	

UE

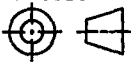
KLIGHT (B)

ERENCE ONLY

KLIGHT (B)

H

DR

E	1) SHEET 4, ADD SWITCH 134170				
	REV D ECR_2888			11-3-06	JBF MIG
				CR_04551	RDB
LET	REVISION			DATE	BY
	THOMAS BUILT BUSES, INC.				
	HIGH POINT, NC				
	TOLERANCE UNLESS OTHERWISE NOTED				
THIRD ANGLE PROJECTION	DECIMAL	FRACTIONAL	ANGULAR		
	.XXX .015	±1/32	±1°		
	.XX .06				
	.X .1				
SWITCH / PILOT LIGHT CHART, CODED					
DRN. 9-16-03	MGP	MATERIAL: SEE NOTE #1			0
CK'D 9-16-03	TWH	SIZE	DWG. NO. SHEET 9 OF 15		
ENGR/DESIGNER	MGP	B	103524		
1.000					

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