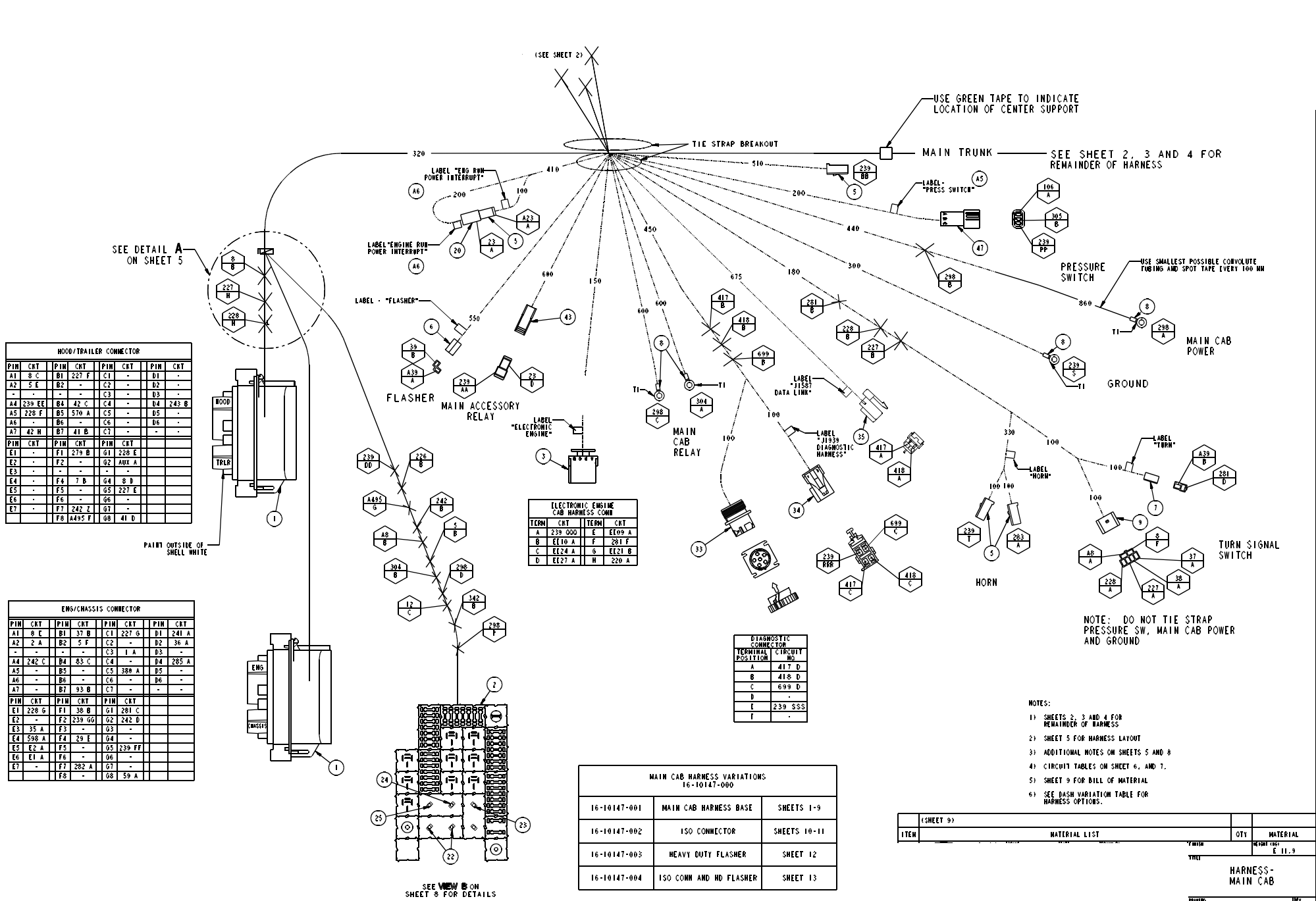
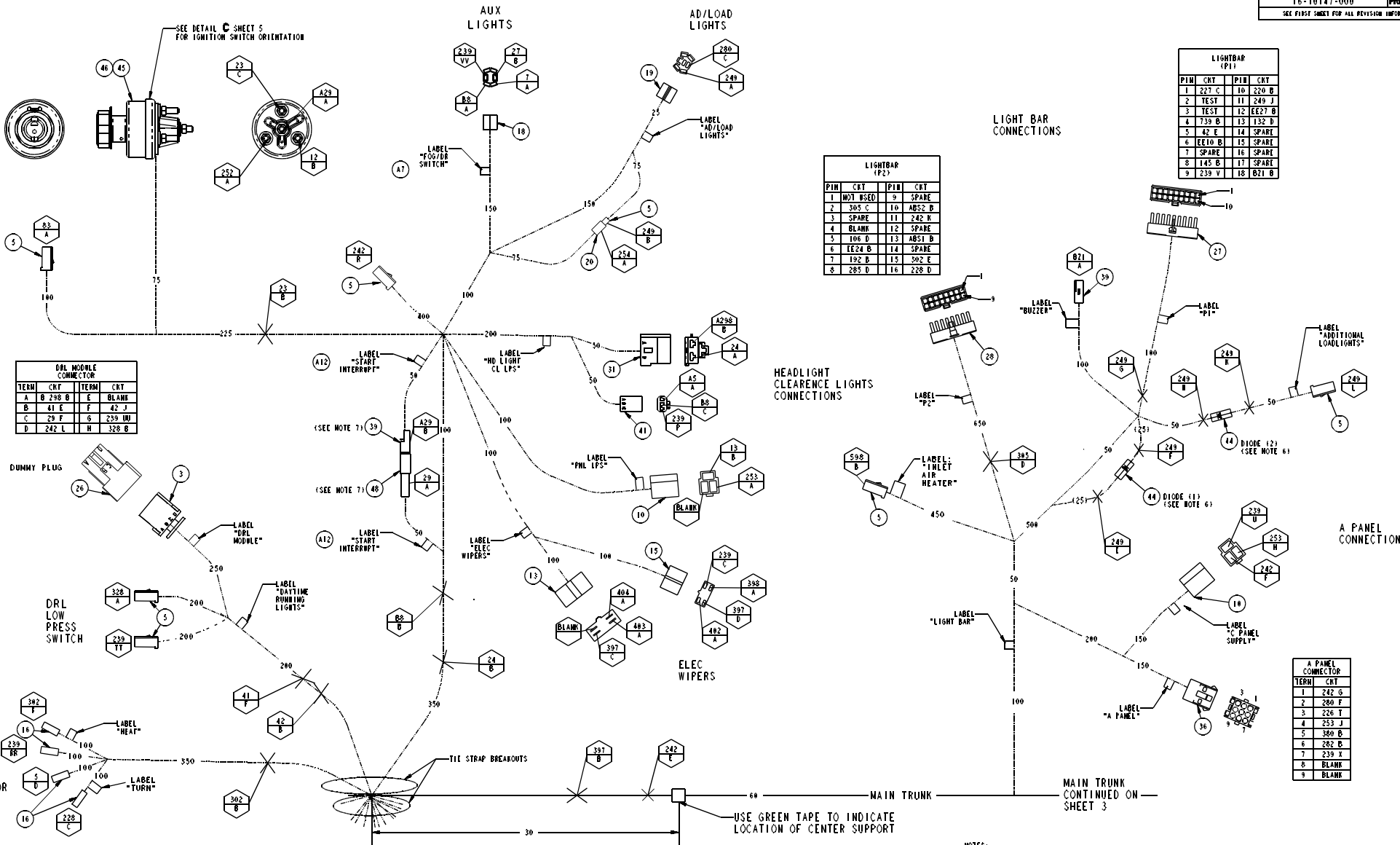






DRL MODULE CONNECTOR

TERM	CHT	TERM	CHT
A	B 298 B	E	BLANK
B	A1 E	F	A2 J
C	29 F	G	239 IM
D	242 L	H	328 B

LIGHTBAR (P1)

PIN	CHT	PIN	CHT
1	W1 USED	9	SPARE
2	305 C	10	ABS2 B
3	SPARE	11	242 K
4	BLANK	12	SPARE
5	106 D	13	ABS1 B
6	EE24 B	14	SPARE
7	192 B	15	302 E
8	285 D	16	228 D

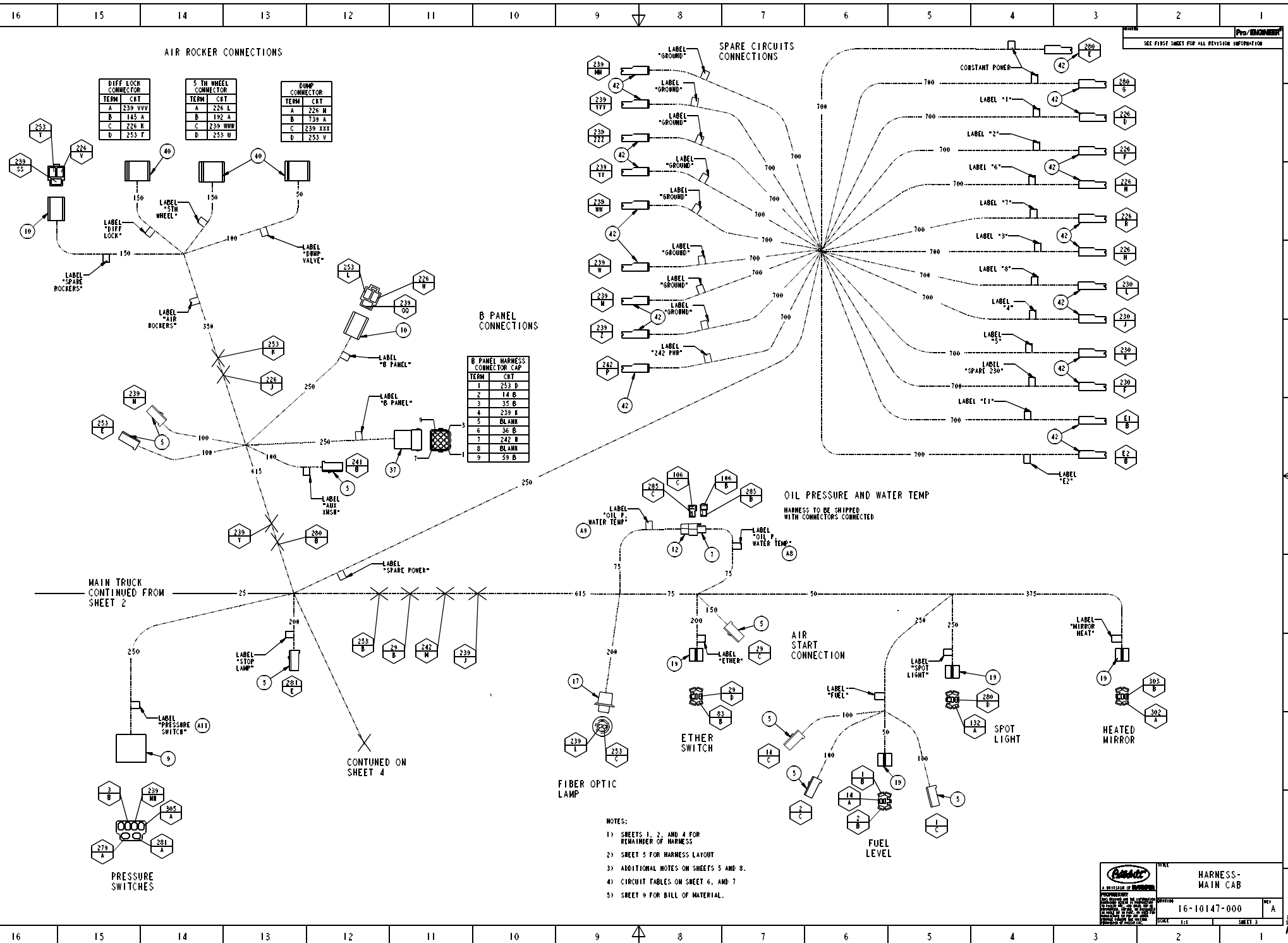
LIGHTBAR (P1)

PIN	CHT	PIN	CHT
1	227 C	10	220 B
2	TEST	11	249 J
3	TEST	12	EE27 B
4	739 B	13	132 D
5	42 E	14	SPARE
6	EE10 B	15	SPARE
7	SPARE	16	SPARE
8	145 B	17	SPARE
9	239 V	18	B21 B

A PANEL CONNECTOR

TERM	CHT
1	242 G
2	280 F
3	226 V
4	253 J
5	360 E
6	282 D
7	239 J
8	BLANK
9	BLANK

- NOTES:
- 1) SHEET 1, 3, AND 4 FOR REMAINDER OF HARNESS
 - 2) SHEET 5 FOR HARNESS LAYOUT
 - 3) ADDITIONAL NOTES ON SHEETS 5 AND 8.
 - 4) CIRCUIT TABLES ON SHEET 6, AND 7
 - 5) SHEET 9 FOR BILL OF MATERIAL.
 - 6) ORIENT DIODES AS SHOWN. DIODES (1) TO BE ROUTED WITH CHTS TO CONNECTOR "P1". DIMENSIONS SHOWN IN PARENTHESES ARE FOR REFERENCE ONLY. USE UNAL WALL HEAT SINKING ON BOTH DIODES.
 - 7) HARNESS TO BE SHIPPED WITH ITEMS 39 AND 40 CONNECTED.



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16-10147-000

Pro ENGINEER

SEE FIRST SHEET FOR ALL REVISION INFORMATION

ACC POWER OUTLET
CONNECTIONSELECTRIC
WASHER
CONNECTIONS

ROOF HARNESS CONNECTOR PLUS	
TERM	CRT
1	5 G
2	248 C
3	429 B
4	239 E
5	348 B
6	B239 B
7	329 A
8	132 C
9	19 B

ROOF
HARNESS
CONNECTIONS

ROOF HARNESS CONNECTOR C/P	
TERM	CRT
1	249 D
2	A495 A
3	254 B
4	229 B
5	A252 B
6	A429 B
7	B429 B
8	C429 B
9	226 U

CONTINUED FROM
SHEET 3

TEMP MODE CONNECTOR			
TERM	CRT	TERM	CRT
A	239 JJJ	E	A495 E
B	629 B	F	631 C
C	634 A	G	253 S
D	342 W	H	239 HHN

NOTES:

- 1) SHEET 1, 2 AND 3 FOR
REMAINDER OF HARNESS
- 2) SHEET 5 FOR HARNESS LAYOUT
- 3) ADDITIONAL NOTES ON SHEET 5 AND 8
- 4) CIRCUIT TABLES ON SHEETS 6, AND 7
- 5) SHEET 9 FOR BILL OF MATERIALS.



HARNESS- MAIN CAB	
16-10147-000	REV: A
SHEET 4	END OF SHEET

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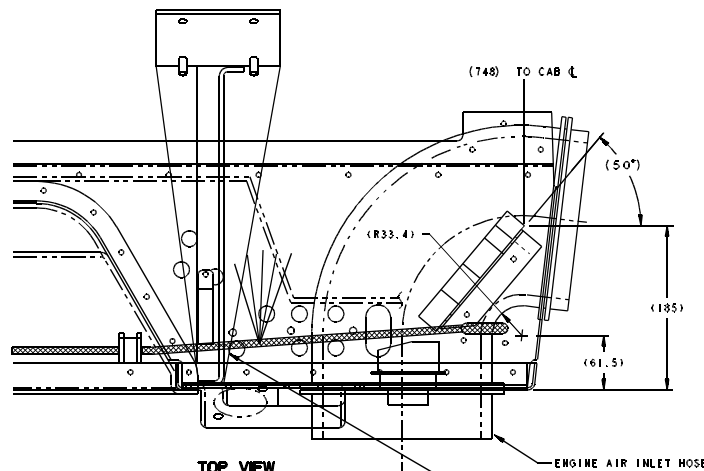
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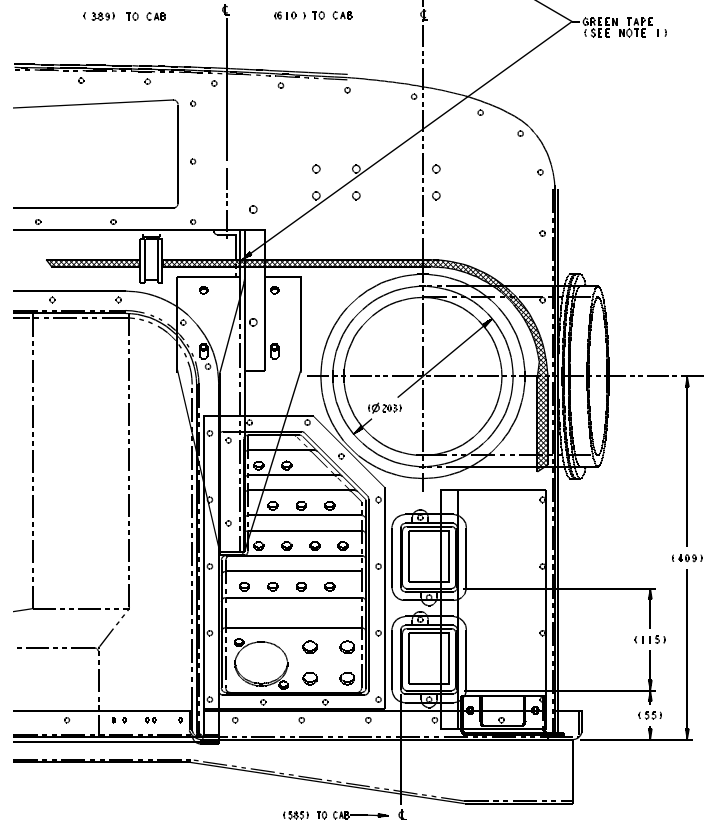
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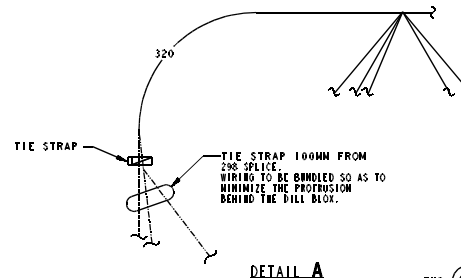
SEE FIRST SHEET FOR ALL REVISION INFORMATION



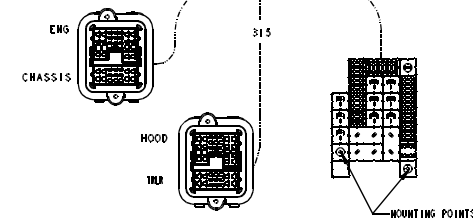
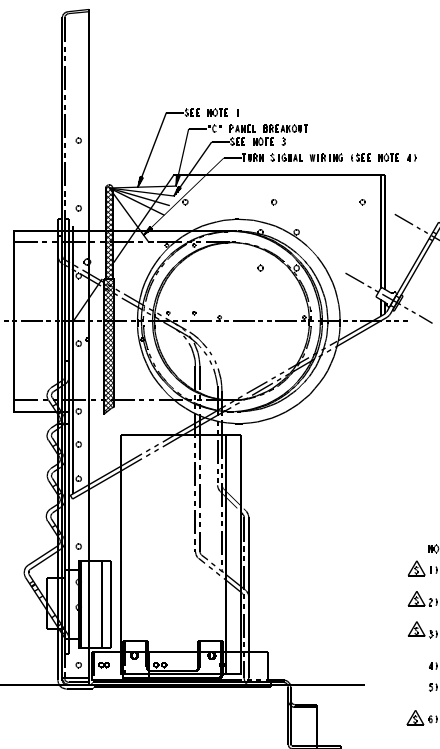
TOP VIEW



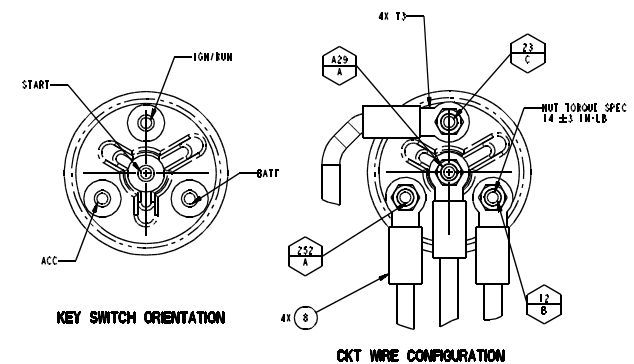
FRONT VIEW



DETAIL A

FEED-THROUGHS AND DILL BLOC
DETAIL B

SIDE VIEW

DETAIL C
SCALE: 2:1
(SEE NOTE 6)

NOTES:

- 1) ALL BREAKOUTS BETWEEN GREEN TAPE AND DILL BLOC SHOULD BE ORIENTED AS SHOWN.
- 2) "A" PANEL AND "LIGHT BAR" BREAKOUTS SHOULD BE TOP MOST BREAKOUT
- 3) 298 MAIN CAB POWER WIRE SHOULD BE BOTTOM WIRE WITHIN ITS BREAKOUT
- 4) TURN SIGNAL WIRING SHOULD POINT DOWN
- 5) ROUTE HARNESS FOR MINIMAL INTERFERENCE BY INTAKE ELBOW
- 6) ORIENT IGNITION SWITCH WITH IGN/RUN POST ON TOP POSITION. ROUTE WIRES AS SHOWN IN DETAIL C.

		HARNESS-MAIN CAB	
16-10147-000		REV. A	
SHEET 2		SHEET 2	

CRT	GA	WIRE	LOC	LOC	FUNCTION
AUX AB	16	16-07664	A	B	TRAILER AUX TO FUSE
B21 AB	16	16-04783	A	B	BUIZER TO WARNING LT BAR
E1 AB	14	16-06017	A	B	ENGINE SPARE B1
E2 AB	14	16-06017	A	B	ENGINE SPARE B2
1 AB	16	16-04762	A	B	LEFT FUEL TO SWITCH
1 BC	16	16-04762	B	C	LEFT FUEL TO GAUGE 1
2 AB	16	16-04762	A	B	RIGHT FUEL TO SWITCH
2 BC	16	16-04762	B	C	RIGHT FUEL TO GAUGE 2
3 AB	16	16-04762	A	B	CIRCUIT BREAKER TO PRESS SWITCH
4 AB	14	16-06017	A	B	LEFT HD LT CB TO LEFT RELAY
4 CD	14	16-06017	C	D	RIGHT HD LT CB TO RIGHT RELAY
5 AB	12	16-05749	A	B	CL LP RELAY TO SPlice
5 BC	12	16-05749	B	C	CL LP SPlice TO SPlice
5 BE	12	16-05749	B	E	CL LP SPlice TO TRAILER
5 BF	12	16-05749	B	F	CL LP SPlice TO CHASSIS
5 CD	14	16-06017	C	D	CL LP SPlice TO LEFT MIRROR
5 CG	12	16-05749	C	G	CL LP SPlice TO ROOF
5 CH	14	16-06017	C	H	CL LP SPlice TO RIGHT MIRROR
A5 AB	16	16-04762	A	B	CL LP SW TO CL LP RELAY
7 AB	14	16-06017	A	B	FOG LP SW TO MOOD
8 AB	12	16-05749	A	B	MARKER LP RELAY TO SPlice
8 BC	12	16-05749	B	C	MARKER LP - SPlice TO MOOD
8 BD	12	16-05749	B	D	MARKER LP - SPlice TO TRAILER
8 BE	12	16-05749	B	E	MARKER LP CHASSIS
8 BF	14	16-06017	B	F	SPlice TO DIMMER SWITCH
8 BS	12	16-05749	B	S	SPlice TO PANEL LP FUSE
A8 AB	16	16-04762	A	B	DIMMER SW TO SPlice
A8 BC	16	16-04762	B	C	SPlice TO L MD LT RELAY
A8 BD	16	16-04762	B	D	SPlice TO R MD LT RELAY
B8 AB	16	16-04762	A	B	MARKER LP FOG LT SW TO SPlice
B8 BC	16	16-04762	B	C	SPlice TO MD LT AND CL LP SWITCH
B8 BD	16	16-04762	B	D	SPlice TO MARKER LP RELAY
12 AC	14	16-06017	A	C	IGN PWR CB TO SPlice
12 CB	14	16-06017	C	B	SPlice TO IGNITION SWITCH
12 CD	16	16-04783	C	D	SPlice TO EE FUSE
12 DE	16	16-04783	D	E	EE FUSE TO DIAGNOSTIC FUSE
13 AB	16	16-04783	A	B	PRL LP CB TO DIMMER
14 AB	16	16-04762	A	B	FUEL LEVEL SW TO B PANEL
14 AC	16	16-04762	A	C	FUEL LEVEL SW TO GAUGE 1 OR 2
19 AB	12	16-05749	A	B	ROOF PWR-FUSE TO ROOF
23 AB	16	16-04783	A	B	INTERUPT COMM TO SPlice
23 BC	16	16-04783	B	C	SPlice TO IGNITION SWITCH
23 BD	16	16-04783	B	D	SPlice TO MAIN ACC RELAYS
A23 AB	16	16-04783	A	B	INTERUPT COMM TO EE FUSE
24 AB	12	16-05749	A	B	MD LT AND CL LP COMM TO SPlice
24 BC	14	16-06017	B	C	SPlice TO LEFT CB
24 BD	14	16-06017	B	D	SPlice TO RIGHT CB
25 AB	12	16-05749	A	B	CL LP PWR FUSE TO RELAY
25 BC	16	16-04783	B	C	RELAY TO RELAY
27 AB	14	16-06017	A	B	FOG LP PWR FUSE TO SW
28 AB	12	16-05749	A	B	TAIL LP CB TO RELAY
28 BC	16	16-04783	B	C	RELAY TO RELAY
A29 AB	16	16-04783	A	B	ENG START TO INTERUPT COMM
29 AB	16	16-04783	A	B	INTERUPT COMM TO SPlice
29 BC	16	16-04783	B	C	SPlice TO AIR START
29 BD	16	16-04783	B	D	SPlice TO ETHER SW
29 BE	16	16-04783	B	E	SPlice TO ENGINE
29 BF	16	16-04783	B	F	SPlice TO DAYTIME RMLT MODULE
35 AB	16	16-04762	A	B	FRONT DRIVER TEMP TO B PANEL
36 AB	16	16-04762	A	B	REAR DRIVER TEMP TO B PANEL
37 AB	12	16-05749	A	B	CHASSIS RIGHT TURN SW TO CHASSIS
38 AB	12	16-05749	A	B	CHASSIS LEFT TURN SW TO CHASSIS
A39 AB	16	16-07664	A	B	FLASHER PWR FLASHER TO TURN SW
39 AB	16	16-07664	A	B	FLASHER PWR FUSE TO FLASHER
41 AB	14	16-06017	A	B	LEFT LOW BEAM RELAY TO MOOD
41 BF	14	16-06017	B	F	MOOD TO SPlice
41 CD	14	16-06017	C	D	RIGHT LOW BEAM RELAY TO MOOD
41 DF	14	16-06017	D	F	MOOD TO SPlice
41 EF	14	16-06017	E	F	DAYTIME RMLT MODULE TO SPlice
42 AB	14	16-06017	A	B	LEFT HI BEAM RELAY TO SPlice
42 BC	14	16-06017	B	C	SPlice TO MOOD
42 BE	16	16-04783	B	E	SPlice TO WARNING LP ASSY
42 BJ	16	16-04783	B	J	SPlice TO DBL MODULE
42 GN	14	16-06017	G	N	RIGHT HI BEAM RELAY TO MOOD
45 AB	12	16-05749	A	B	HEATER PWR FUSE TO BLOWER MOTOR
56 AB	16	16-04762	A	B	WASH TEMP TO B PANEL
83 AB	14	16-06017	A	B	ETHER-TURN SW TO ETHER SW
83 BC	14	16-06017	B	C	ETHER SW TO ENGINE COMM
93 AB	14	16-06017	A	B	CPSCR CLUTCH RELAY TO ENG HARNESS

CRT	GA	WIRE	LOC	LOC	FUNCTION
106 AB	20	16-07872	A	B	OIL PRESS SW TO JUMPER
106 CD	20	16-07872	C	D	JUMPER TO WARNING LP ASSY
132 AB	14	16-06017	A	B	SPOT LP SW FO SPlice
132 BC	14	16-06017	B	C	SPlice TO ROOF HARN
132 BD	16	16-04783	B	D	SPlice TO WARNING LP ASSY
145 AB	20	16-07872	A	B	DIFF LN RNR SW TO WARN LP ASSY
152 AB	14	16-06017	A	B	BLOWER LOW-RESISTOR TO SPlice
152 BC	14	16-06017	B	C	SPlice TO CAB FAN LOW RELAY
152 BD	16	16-06017	B	D	BLOWER LOW - SPlice TO BLOWER CONT
153 AB	14	16-06017	A	B	BLOWER HIGH - SPlice TO SPlice
153 BC	14	16-06017	B	C	BLOWER HIGH - SPlice TO RESISTOR
153 BD	14	16-06017	B	D	BLOWER HIGH - SPlice TO BLOWER CONT
182 AB	20	16-07872	A	B	5TH WHEEL AIR ROCKER TO WARN LP ASSY
312 AB	14	16-06017	A	B	BLOWER MED/LOW RESISTOR TO BLOWER CONT
220 AB	20	16-07872	A	B	ELEC ENG TO WARNING LP ASSY
226 AB	12	16-05749	A	B	SW PWR TO SPlice
226 BJ	14	16-06017	B	J	SPlice TO SPlice
226 BT	14	16-06017	B	T	SPlice TO A PANEL COMM
226 BU	14	16-06017	B	U	SPlice TO ROOF
226 CD	12	16-05749	C	D	FUSE B1 SPARE SW POWER
226 EF	12	16-05749	E	F	FUSE B2 SPARE SW POWER
226 GH	12	16-05749	G	H	FUSE B3 SPARE SW POWER
226 JH	16	16-04783	J	H	SPlice TO DIFF LOCK ROCKER SW
226 JL	16	16-04783	J	L	SPlice TO 5TH WHEEL ROCKER SW
226 JM	16	16-04783	J	M	SPlice TO DIMM ROCKER SW
226 JV	14	16-06017	J	V	SPlice TO SPARE ROCKERS
226 JW	14	16-06017	J	W	SPlice TO B PANEL
226 PR	12	16-05749	P	R	FUSE B7 SPARE SW POWER
226 SW	12	16-05749	S	H	FUSE B6 SPARE SW POWER
227 AB	12	16-05749	A	B	RIGHT TURN SW TO SPlice
227 BC	16	16-04783	B	C	SPlice TO LIGHT BAR
227 BD	14	16-06017	B	D	SPlice TO RIGHT MIRROR
227 BH	12	16-05749	B	H	SPlice TO SPlice
227 HE	14	16-06017	B	E	SPlice TO MOOD
227 HF	12	16-05749	B	F	SPlice TO TRAILER
227 HS	14	16-06017	B	S	RIGHT TURN SPlice TO CHASSIS
228 AB	12	16-05749	A	B	LEFT TURN SW TO SPlice
228 BC	14	16-06017	B	C	SPlice TO LEFT MIRROR
228 BD	16	16-04783	B	D	SPlice TO LIGHT BAR
228 BN	12	16-05749	B	N	SPlice TO SPlice
228 NE	12	16-05749	B	E	SPlice TO TRAILER
228 NF	12	16-05749	B	F	SPlice TO MOOD
228 NG	14	16-06017	B	G	LEFT TURN SPlice TO CHASSIS
228 NH	14	16-06017	B	H	AUX DEF FAN FUSE TO ROOF
228 AF	14	16-06017	A	F	UNSWITCHED ACCESS FUSE TO SW
230 AS	14	16-06017	A	G	UNSWITCHED ACCESS FUSE TO HORN PWR
230 BJ	12	16-05749	B	J	FUSE TO SPARE W4
230 CK	12	16-05749	C	K	FUSE TO SPARE W5
230 DL	12	16-05749	D	L	UNSWITCHED PWR TO B3 SPARE
230 GH	14	16-06017	G	H	HORN PWR TO HORN RELAY TRIP
A239 AB	16	16-04783	A	B	BUNK TO BUNK SW TO BUNK RELAY
B239 AB	12	16-05749	A	B	A/C BUNK SW GRD-BUNK RLTY TO RF HARNESS
239 AB	6	16-04452	A	B	GROUND STRUCTURE TO SPlice
239 BD	14	16-06017	B	D	SPlice TO ELEC. WASHER
239 BE	12	16-05749	B	E	SPlice TO ROOF HARNESS
239 BF	14	16-06017	B	F	SPlice TO RIGHT MIRROR
239 BS	14	16-06017	B	S	SPlice TO WIPER MOTOR
239 BR	10	16-07664	B	R	SPlice TO SPlice
239 CJ	14	16-06017	C	J	WIPER CONTROL TO SPlice
239 JL	16	16-04762	J	L	SPlice TO FIBEROPTIC LP
239 JH	14	16-06017	J	H	SPlice TO SPARE
239 JR	10	16-07664	J	R	SPlice TO SPlice
239 JW	14	16-06017	J	W	SPlice TO SPARE
239 RU	14	16-06017	R	U	SPlice TO C PANEL SUPPLY
239 RV	16	16-04783	R	V	SPlice TO WARNING LP ASSY
239 RX	14	16-06017	R	X	SPlice TO A PANEL
239 YN	12	16-05749	Y	N	SPlice TO B PANEL
239 YH	14	16-06017	Y	H	SPlice TO SPARE
239 YP	18	16-04762	Y	P	SPlice TO HD LT AND CL LP COMM
239 YL	16	16-04762	Y	L	SPlice TO MOOD
239 YZ	14	16-06017	Y	Z	SPlice TO PNL LPS
239 YV	14	16-06017	Y	V	SPlice TO SPARE
239 AA	18	16-04762	R	AA	SPlice TO MAIN RELAY
239 RBB	14	16-06017	R	BB	SPlice TO SPARE
239 RDD	10	16-07664	R	DD	SPlice TO SPlice
239 RHH	14	16-06017	R	HH	SPlice TO SPARE
239 RHH	20	16-07872	R	HH	SPlice TO PRESSURE SW
239 RPP	20	16-07872	R	PP	SPlice TO PRESS SW
239 RUU	16	16-04783	R	UU	SPlice TO DAYTIME RMLT MODULE

CRT	GA	WIRE	LOC	LOC	FUNCTION
239 RVV	14	16-06017	R	VV	SPlice TO AUX LP
239 RWW	14	16-06017	R	WW	SPlice TO SPARE GRD
239 SDD	10	16-07664	S	DD	SPlice TO STRUCTURE
239 YDD	10	16-07664	Y	DD	SPlice TO SPlice
239 YDD	14	16-06017	Y	DD	SPlice TO B PANEL
239 YER	14	16-06017	Y	RR	SPlice TO LT MIRROR
239 YSS	14	16-06017	Y	SS	SPlice TO SPARE ROCKERS
239 YTT	20	16-07872	Y	TT	SPlice TO DAYTIME RMLT LOW PRESS SW
239 YDDG	10	16-07664	B	DDG	SPlice TO SPlice
239 YDGG	12	16-05749	B	GGG	SPlice TO BLOWER CONTROL
239 YRRK	12	16-05749	B	RRK	SPlice TO BLOWER CONTROL
239 YHNN	18	16-04762	B	NNN	SPlice TO TEMP ACTRATOR
239 YHNB	18	16-04762	B	NNB	SPlice TO MOOD HARN
239 YDNE	12	16-05749	DD	EE	SPlice TO MOOD HARN
239 YDFF	14	16-06017	DD	FF	SPlice TO ENGINE HARN
239 YDHN	16	16-04783	DD	HN	SPlice TO LEFT HEAD LP RELAY
239 YDXX	16	16-04783	DD	XX	SPlice TO FRESH/RECIRC RELAY
239 YFGG	14	16-06017	FF	GG	ENGINE HARN TO CHASSIS HARN
239 YHJJ	18	16-04762	HH	JJ	LEFT RELAY TO RIGHT HEADLIGHT RELAY
239 YJRK	18	16-04762	JJ	KK	RIGHT RELAY TO DILL BLOC LP
239 YJGO	16	16-04783	J	OGO	SPlice TO ELEC ENGINE
239 YJRR	14	16-06017	J	RRR	SPlice TO J1939 DIAGNOSTIC COMM
239 YJSS	14	16-06017	J	SSS	SPlice TO DIAGNOSTIC COMM
239 YJTY	14	16-06017	J	TTY	SPlice TO SPARE
239 YJZZ	14	16-06017	J	ZZZ	SPlice TO SPARE
239 YVVB	18	16-04762	V	VVB	SPlice TO DIFF LOCK ROCKER SW
239 YVVB	18	16-04762	V	VVB	SPlice TO 5TH WHEEL ROCKER SW
239 YVXX	18	16-04762	V	XXX	SPlice TO SPARE ROCKER SW
239 YDAA	14	16-06017	DD	AA	SPlice TO CAB FAN LOW RELAY
239 YDPP	12	16-05749	DD	PP	SPlice TO BUNK RELAY
239 YDTT	18	16-04762	DD	TT	SPlice TO FRESH/RECIRC RELAY
239 YBGB	14	16-06017	BB	22	SPlice TO LIGHTER
239 YBCC	16	16-04783	BB	CC	SPlice TO A/C ON/OFF SW
239 YBDD	16	16-04783	BB	DD	SPlice TO FRESH/RECIRC SW
239 YBEE	16	16-04783	BB	EE	SPlice TO FRESH/RECIRC SW
239 YBFF	16	16-04783	BB	FF	SPlice TO BUNK ON/OFF SW
239 YBHH	16	16-04783	BB	HH	SPlice TO TEMP/MODE COMM
239 YBJJ	16	16-04783	BB	JJ	SPlice TO TEMP/MODE COMM
239 YBLL	16	16-04783	BB	LL	SPlice TO BUNK ON/OFF SW
239 YBMM	14	16-06017	BB	MM	SPlice TO PWR OUTLET
240 AB	14	16-06017	A	B	BLOWER MED/HI-RESISTOR TO BLOWER CONT
241 AB	20	16-07872	A	B	AUX KNRM TEMP CHASSIS TO B PANEL
242 AB	12	16-05749	A	B	SWITCHED POWER FUSE TO SPlice
242 BC	14	16-06017	B	C	SPlice TO ENGINE HARNESS
242 BE	12	16-05749	B	E	SPlice TO SPlice
242 B2	14	16-06017	B	2	SPlice TO MOOD HARNESS
242 CD	14	16-06017	C	D	ENGINE TO CHASSIS HARNESS
242 EF	16	16-04783	E	F	SPlice TO C PANEL SUPPLY
242 EG	14	16-06017	E	G	SPlice TO A PANEL
242 EN	16	16-04783	E	N	SPlice TO WARNING LP ASSY
242 EL	14	16-06017	E	L	SPlice TO DBL MODULE
242 EM	12	16-05749	E	M	SPlice TO SPlice
242 ER	14	16-06017	E	R	SPlice TO ELEC WASHER
242 NM	14	16-06017	N	M	SPlice TO B PANEL
242 NF	14	16-06017	N	F	SPlice TO SPARE SW PWR
243 AB	14	16-06017	A	B	NORM-RELAY TO MOOD
248 AB	12	16-05749	A	B	BUNK A/C PWR-FUSE TO CFL RELAY
248 BC	12	16-05749	B	C	BUNK A/C PWR-CTL RLY TO ROOF HARN
249 AB	14	16-06017	A	B	LOAD LP SW TO SPARE
249 AC	14	16-06017	A	C	LOAD LP SW TO SPlice
249 CD	14	16-06017	C	D	SPlice TO ROOF
249 CE	16	16-04783	C	E	SPlice TO DIODE(1)
249 FG	16	16-04783	F	G	DIODE(1) TO SPlice
249 GH	16	16-04783	G	H	SPlice TO DIODE (2)
249 HI	16	16-04783	H	I	SPlice TO LIGHTBULB
249 JL	16	16-04783	J	L	DIODE (2) TO CONNECTOR
A252 AB	16	16-04783	A	B	RADIO PWR-FUSE TO ROOF
A252 AB	16	16-04783	A	B	RADIO PWR-IGN SW TO FUSE

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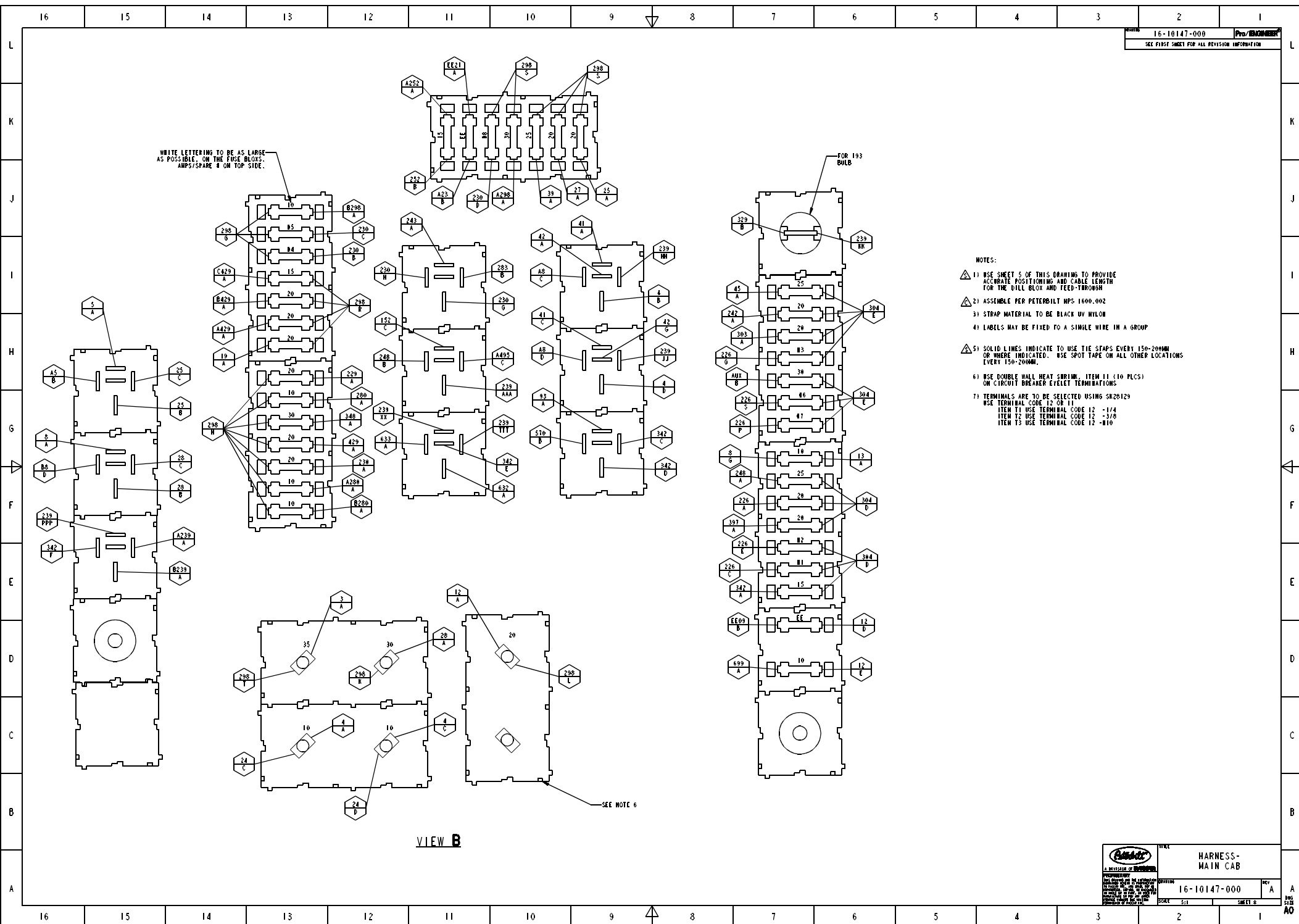
CRT	GA	WIRE	LOC	LOC	FUNCTION
253 AB	18	16-84762	A	B	INSTRUMENT LP CONTROL TO SPLICE
253 BC	18	16-84762	B	C	SPLICE TO FIBER OPTIC LP
253 BH	18	16-84762	B	H	SPLICE TO C PANEL SUPPLY
253 BJ	18	16-84762	B	J	SPLICE TO A PANEL
253 BK	18	16-84762	B	K	SPLICE TO SPLICE
253 BM	18	16-84762	B	M	SPLICE TO SPLICE
253 BD	18	16-84762	K	D	SPLICE TO B PANEL
253 BE	18	16-84762	K	E	SPLICE TO SPARE
253 BL	18	16-84762	K	L	SPLICE TO B PANEL
253 BT	18	16-84762	K	T	SPLICE TO DIFF LOCK ROCKER SW
253 BU	18	16-84762	K	U	SPLICE TO STN WHEEL RNR SW
253 BV	18	16-84762	K	V	SPLICE TO DUMP VLV RNR SW
253 BY	18	16-84762	K	Y	SPLICE TO SPARE RNR COIN
253 MF	18	16-84762	M	F	SPLICE TO LIGHTER
253 MG	18	16-84762	M	G	SPLICE TO A/C ON/OFF SW
253 MH	18	16-84762	M	H	SPLICE TO A/C ON/OFF SW
253 MP	18	16-84762	M	P	SPLICE TO FRESH/RECIRC SW
253 MQ	18	16-84762	M	Q	SPLICE TO BUNK ON/OFF SW
253 MR	18	16-84762	M	R	SPLICE TO BUNK ON/OFF SW
253 MS	18	16-84762	M	S	SPLICE TO TEMP/MODE COIN
254 AB	14	16-86017	A	B	AD LP SW TO ROOF
279 AB	10	16-87064	A	B	TRAILER BRAKE-SW TO TRAILER
280 AB	14	16-86017	A	B	UNSWITCHED POWER-FUSE TO SPLICE
280 BC	14	16-86017	B	C	SPLICE TO AN/LOAD LP SWITCH
280 BD	14	16-86017	B	D	SPLICE TO SPOT LP SWITCH
280 BE	14	16-86017	B	E	SPLICE TO SPARE
280 BF	14	16-86017	B	F	SPLICE TO A PANEL
280 BG	14	16-86017	B	G	SPLICE TO SPARE
A280 AB	14	16-86017	A	B	UNSWITCHED PWR TO CIGAR LIGHTER
B280 AB	14	16-86017	A	B	UNSWITCHED PWR TO ACC PWR OUTLET
281 AB	12	16-85749	A	B	BRAKE LP SW TO SPLICE
281 BC	12	16-85749	B	C	BRAKE LP SPLICE TO CHASSIS
281 BD	12	16-85749	B	D	BRAKE LP SPLICE TO TURN SIGNAL SW
281 BE	16	16-84783	B	E	BRAKE LP SPLICE TO ABS ECU
281 BF	12	16-85749	B	F	BRAKE LP SPLICE TO ELEC ENGINE
282 AB	18	16-84762	A	B	ENGINE OIL TEMP-ENGINE TO A PANEL
283 AB	18	16-84762	A	B	HORN-BUTTON TO RELAY
285 AB	20	16-87872	A	B	ENGINE WATER TEMP-ENGINE TO JUMPER
285 CD	20	16-87872	C	D	JUMPER TO LIGHT BAR
298 AB	4	16-84452	A	B	MAIN CAB POWER TO SPLICE
298 BC	6	16-84452	B	C	SPLICE TO MAIN RELAY
298 BD	6	16-84452	B	D	SPLICE TO SPLICE
298 BG	6	16-87277	B	G	SPLICE TO BUS BAR
298 DH	8	16-87277	D	H	SPLICE TO BUS BAR
298 DL	12	16-85749	D	L	SPLICE TO IGN SW CIRCUIT BREAKER
298 DK	10	16-87064	D	K	SPLICE TO TAIL PL CIRCUIT BREAKER
298 DP	6	16-84452	D	P	SPLICE TO SPLICE
298 PR	8	16-87277	P	R	SPLICE TO BUSBAR
298 PS	8	16-87277	P	S	SPLICE TO BUSBAR
298 PT	10	16-87064	P	T	SPLICE TO STOP LP CIRCUIT BREAKER
A298 AB	12	16-85749	A	B	UNSWITCHED POWER TO HD LT COIN
B298 AB	14	16-86017	A	B	FUSE TO DRL MODULE
302 AB	14	16-86017	A	B	HEATER MIRROR SW TO SPLICE
302 BD	14	16-86017	B	D	SPLICE TO RIGHT MIRROR
302 BE	16	16-84783	B	E	SPLICE TO LIGHT BAR
302 BF	14	16-86017	B	F	SPLICE TO LEFT MIRROR
303 AB	14	16-86017	A	B	MIRROR HEAT FUSE TO SWITCH
304 AB	6	16-84452	A	B	SWITCHED POWER-RELAY TO SPLICE
304 BD	6	16-87277	B	D	SPLICE TO BALL BLCK ENG BAR
304 BE	8	16-87277	B	E	SPLICE TO BUS BAR
305 AD	20	16-87872	A	D	LOW AIR-PRESSURE SW TO SPLICE
305 BD	20	16-87872	B	D	PRESS SW TO SPLICE
305 CD	20	16-87872	C	D	LP TO SPLICE
328 AB	16	16-84783	A	B	PARK BRAKE SW TO DRL MODULE
329 AB	16	16-84783	A	B	DOOR SW-ROOF TO BLCK LP

CRT	GA	WIRE	LOC	LOC	FUNCTION
342 AB	12	16-85749	A	B	A/C-FUSE TO SPLICE
342 BC	16	16-84783	B	C	A/C-SPLC TO CPRSR CLUTCH RELAY
342 BD	14	16-86017	B	D	A/C-SPLC TO CPRSR CLUTCH RELAY
342 BE	16	16-84783	B	E	A/C-SPLC TO CPRSR CLUTCH RELAY
342 BF	16	16-84783	B	F	A/C-SPLICE TO BUNK RELAY
342 BG	14	16-86017	B	G	A/C-SPLICE TO SPLICE
342 GH	16	16-84783	G	H	A/C-SPLICE TO TEMP/MODE SW
342 GJ	16	16-84783	G	J	A/C-SPLICE TO FRESH/RECIRC SW
342 GK	18	16-84762	G	K	A/C-SPLICE TO MODE ACTUATOR
342 GL	18	16-84762	G	L	A/C-SPLICE TO TEMP ACTUATOR
348 AB	12	16-85749	A	B	CB RADIO-FUSE TO ROOF
380 AB	18	16-84762	A	B	ELEC WATER TEMP-ENGINE TO A PANEL
397 AB	14	16-86017	A	B	ELEC WIPER-FUSE TO SPLICE
397 BC	14	16-86017	B	C	SPLICE TO CONTROL
397 BE	14	16-86017	B	E	SPLICE TO MOTOR
397 CD	14	16-86017	C	D	CONTROL TO CONTROL
398 AB	14	16-86017	A	B	CONTROL TO MOTOR-HIGH
402 AB	14	16-86017	A	A	CONTROL TO MOTOR-LOW
403 AB	14	16-86017	A	A	CONTROL TO MOTOR-PARK
404 AB	14	16-86017	A	B	WIPER CONTROL TO WASHER
417 AB	18	16-84762 SEE BOX 2	A	B	J1587 (+) COIN TO SPLICE
417 BC	18	16-84762 SEE BOX 2	B	C	J1587 (+) SPLICE TO J1939 HARN COIN
417 BD	14	16-86017	B	D	J1587 (+) SPLICE TO DIAGNOSTIC COIN
418 AB	18	16-84762 SEE BOX 2	A	B	J1587 (+) COIN TO SPLICE
418 BC	18	16-84762 SEE BOX 2	B	C	J1587 (+) SPLICE TO J1939 HARN COIN
418BD	14	16-86017	B	D	J1587 (+) SPLICE TO DIAGNOSTIC COIN
429 AB	14	16-86017	A	B	UNSWITCHED SLEEPER PWR-FUSE TO ROOF
A429 AB	10	16-87064	A	B	UNSWITCHED PWR-FUSE TO ROOF
B429 AB	10	16-87064	A	B	UNSWITCHED PWR-FUSE TO ROOF
C429 AB	14	16-86017	A	B	UNSWITCHED PWR-FUSE TO ROOF
A495 AB	14	16-86017	A	B	BUNK ENABLE-SPLICE TO ROOF HARNESS
A495 BD	14	16-86017	B	D	BUNK ENABLE-SPLICE TO A/C ON/OFF SW
A495 BE	14	16-86017	B	E	BUNK ENABLE-SPLICE TO TEMP/MODE COIN
A495 BG	14	16-86017	B	G	SPLICE TO SPLICE
A495 GC	14	16-86017	G	C	BUNK ENABLE-SPLICE TO CIL RELAY
A495 GF	14	16-86017	G	F	BUNK ENABLE-SPLICE TO HOOD HARNESS
570 AB	14	16-86017	A	B	CPRSR ENABLE-HOOD HARNESS TO CPRSR RLY
598 AB	16	16-84783	A	B	ENGINE TO INLET AIR HEATER
629 AB	18	18-84762	A	B	TEMP ACT SIG-TEMP ACT TO TEMP MDL
631 AB	14	16-86017	A	B	BLOWER GND SIG-A/C SW TO SPLICE
631 BC	14	16-86017	B	C	BLOWER GND SIG-SPLICE TO TEMP MDL SW
631 BD	14	16-86017	B	D	BLOWER GND SIG-SPLICE TO BLOWER SW
632 AB	18	18-84762	A	B	FRESH/RECIRC CONT 1-RELAY TO ACT
633 AB	16	16-84783	A	B	FRESH/RECIRC CONT 2-RELAY TO SPLC
633 BC	18	16-84762	B	C	FRESH/RECIRC CONT 2-SPLICE TO ACT
633 BD	16	16-84783	B	D	FRESH/RECIRC CONT 2-SPLICE TO FR SW
634 AB	18	18-84762	A	B	TEMP MODE COIN TO ACTUATOR
699 AB	14	16-86017	A	B	DIAGNOSTIC POWER - FUSE TO SPLICE
699 BC	14	16-86017	B	C	SPLICE TO J1939 DIAGNOSTIC HARNESS
699 BD	14	16-86017	B	D	SPLICE TO J1587 DIAGNOSTIC COIN
739 AB	16	16-84783	A	B	SPINCH DUMP SW TO LTBAR
EE89 AB	16	16-84783	A	B	ECM POWER-FUSE TO ELEC ENGINE HARN
EE10 AB	20	16-87872	A	B	STOP ENG LIGHT ELEC ENG TO LIGHT BAR
EE21 AB	16	16-84762	A	B	ECM SWITCHED PWR - FUSE TO ELEC ENG HARN
EE24 AB	20	16-87872	A	B	CHECK ENG LIGHT ELEC ENG TO LIGHT BAR
EE 27 AB	20	16-87872	A	B	CRUISE ON LIGHT ELEC ENG TO LIGHT BAR
AB51 AB	18	16-84762	A	B	ABS LAMP COIN TO LIGHT BAR
AB52 AB	18	16-84762	A	B	TR-ABS LAMP COIN TO LIGHT BAR

NOTE:
1) CHART CONTINUED FROM SHEET 6



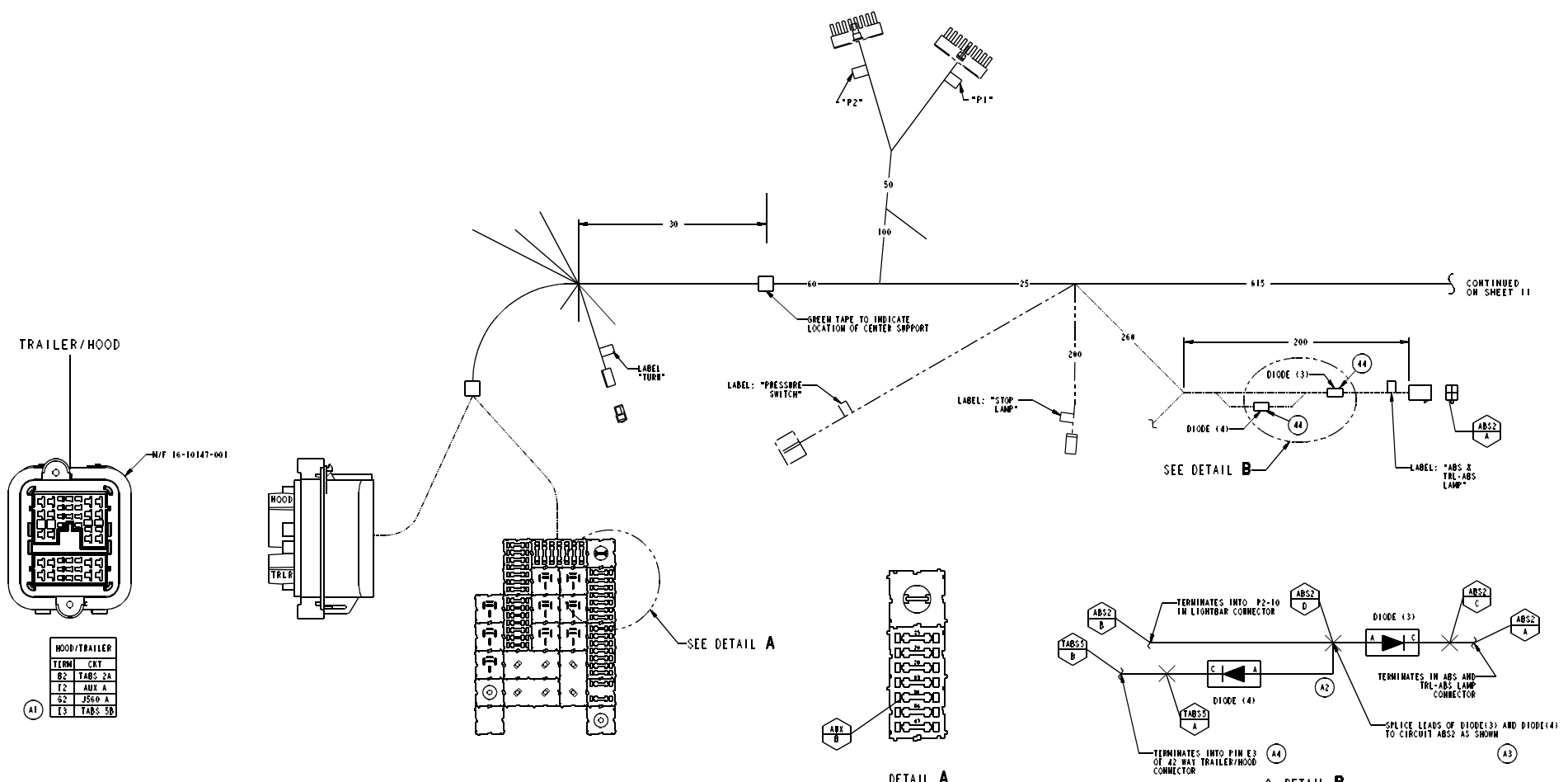
HARNESS- MAIN CAB	
16-10147-000	REV: A
SHEET 7	



	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
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QTY	PART NO.	DESCRIPTION	UNIT	
51	(1648-016-045)	CIRCUIT BREAKER PH 1648-016-045	1	
50	16-02897	SHELL 1-WAY	2	
49	(39-01-3043)	CONNECTOR 4-WAY MOLEX	1	
48	16-09577	CONNECTOR 1-WAY	1	
47	16-09835	CONNECTOR 3 WAY METRI-PACK 150	1	
46	27-01373	NUT	4	
45	16-08461	KEY SWITCH	1	
44		DIODE; MIN 2 AMP AVE @25°C, MIN 300 VOLT PIV	4	
43	16-10085	AMP 2-WAY CONNECTOR	1	
42	16-09784	AMP 1-WAY	22	
41	16-09199	CONNECTOR, METRI-PACK 150	1	
40	16-06396	CONNECTOR, 4-WAY	3	
39	16-09578	CONNECTOR, 1-WAY	2	
38	16-09573	CONNECTOR 9-WAY PLUG	1	
37	16-09572	CONNECTOR 9-WAY CAP	2	
36	16-09520	CONNECTOR MLX 9-WAY RECEPTICAL	1	
35	16-07493	METRI-PACK PLUG, 2-WAY	1	
34	16-07710	METRI-PACK PLUG, 4-WAY	1	
33	16-06165	DUST CAP	1	
32	16-05925	DIAGNOSTIC CONNECTOR	1	
31	16-06994	SHELL 4 WAY FEMALE	1	
30	16-08066	CONNECTOR-FEMALE 2 WAY	1	
29	16-06995	MICRO-PACK, 6-WAY FEMALE	3	
28	16-05679	SHELL, SWITCH, DP CLEAR	2	
27	16-05680	MOLEX 16-WAY	1	
26	16-05683	MOLEX 18-WAY	1	
25	16-05701	METRIC PACK 8-WAY	1	
24	16-04269-035	CIRCUIT BREAKER	1	
23	16-04269-030	CIRCUIT BREAKER	1	
22	16-04269-020	CIRCUIT BREAKER	1	
21	16-04269-010	CIRCUIT BREAKER	2	
20	16-04287	SHELL, 1 WAY, LATCHING	2	
19	16-02897	SHELL, 1 WAY, FEMALE	2	
18	16-03282	SHELL, SWITCH, SP	5	
17	16-03191	SHELL, SWITCH, DP BLACK	2	
16	16-02999	SOCKET		
15	193	BULB	1	
14	16-04401	LIGHT SOURCE		
13	16-02180	MOLD, RECEPTACLE	8	
12	16-02973	SHELL, 4 WAY, MALE	1	
11	16-02385	MOLD-90°, BS	1	
10	16-02974	SHELL, 4 WAY, FEMALE	1	
9	16-02899	SHELL, 2 WAY, FEMALE	1	
8	11	SHRINK SLEEVE (DOUBLE WALL) (SEE NOTE 6, SHEET 8)	10	
7	10	16-02971	SHELL, 3 WAY, MALE	4
6	9	16-02975	SHELL, 6 WAY, MALE	2
5	8	SHRINK SLEEVE	AR	
4	7	16-02898	SHELL, 2 WAY, MALE	5
3	6	16-03443	SHELL, 2 WAY, MALE, 90°	1
2	5	16-02896	SHELL, 1 WAY, MALE	20
1	4	16-02977	SHELL, 6-WAY, MALE	2
	3	16-05782	METRI PACK 8-WAY	3
	2		DILL BLOC ASSY	1
	1	16-04286	METRI PACK FEED THRU	
		16-04407	RETAINER	2
		16-04408	RETAINER	
		16-04289	COVER	
		27-00994	BOLT HH M4X25	4

	TITLE	HARNES-
	MAIN CAB	
DESIGNED BY	DATE	REV
16-10147-000	16-10147-000	A
DRWNG BY	CHKD BY	
16-10147-000	16-10147-000	
APP'D BY	DATE	
16-10147-000	16-10147-000	



TRAILER/HOOD

M/F 16-10147-001

TERM	CNT
B2	TABS 2A
T2	AUX A
G2	J560 A
T3	TABS 5B

A1

SEE DETAIL A

DETAIL A

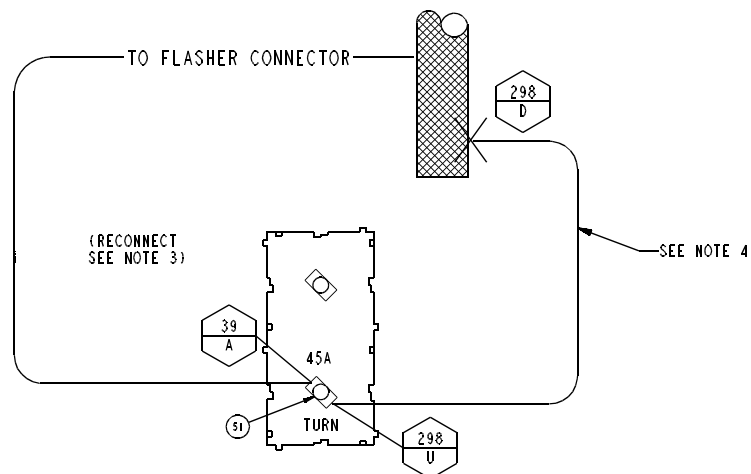
SEE DETAIL B

DETAIL B
(SEE NOTES: 8, 9 AND 10)

- NOTES:
- 1) ASSEMBLE PER PETERBILT MFS 1608-002
 - 2) THIS HARNESS IS MADE FROM 16-10147-001 BY ADDING THE FOLLOWING CIRCUITS:
J560 - J560 7TH WIRE CIRCUIT
TABS 2 - TRAILER SPARE CIRCUIT
TABS 5 - TRAILER ABS LAMP W/O PLC
 - 3) EXISTING CONNECTOR SHOWN IN PHANTOM FOR REFERENCE.
 - 4) SPOT TAPE ADDITIONAL WIRING TO EXISTING WIRE BREAKOUTS.
 - 5) MOVE CNT AUX IN HARNESS 16-10147-001 TO CNT AUX SHOWN IN DETAIL A.
 - 6) TERMINALS TO BE SELECTED PER SK28129.
USE TERMINAL CODE 12 OR 11.
 - 7) ALL CNTS NOT SHOWN IN CNT TABLE ARE FOR REFERENCE ONLY.
 - 8) SEE DETAIL B FOR DIODE ORIENTATION.
 - 9) DIODES TO BE LOCATED WITH BREAKOUT TO ABS AND TRL-LAMP CONNECTOR AND ARE TO LAY FLAT AGAINST BUNDLE.
 - 10) USE DOUBLE WALL HEAT SHRINK OR BOTH DIODES.

A2

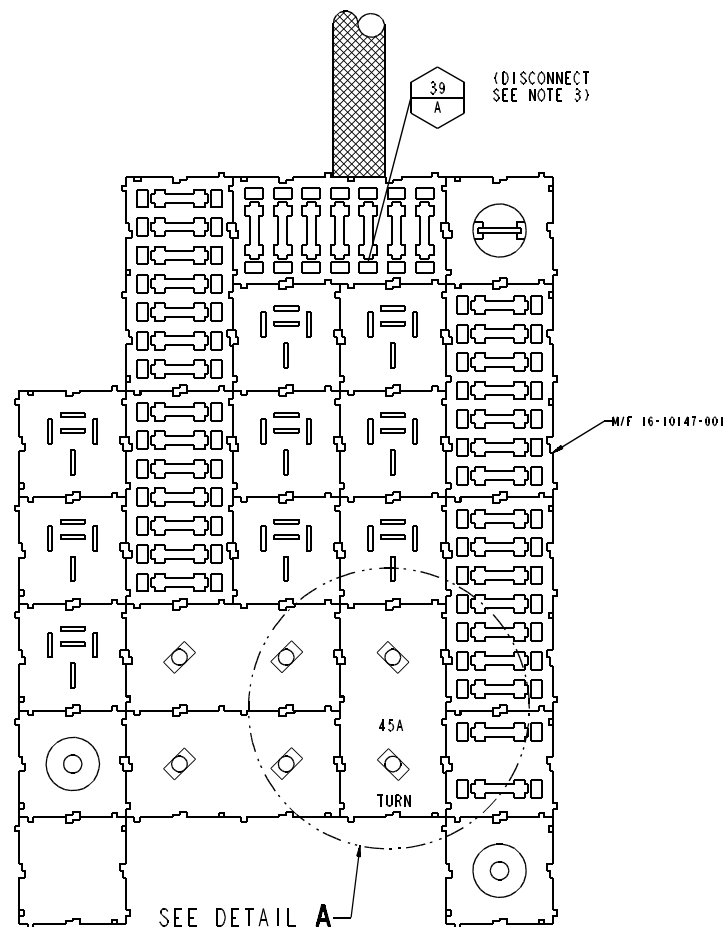
VARIATION 16-10147-002 MAIN CAB HARNESS WITH ISO CONNECTOR					
CNT	GA	WIRE	LOC	LOC	FUNCTION
AUX AB	14	16-06017	A	B	ISO 3731 7TH WIRE - TRAILER CONN TO DILL BLOX
J560 AB	14	16-06017	A	B	J560 7TH WIRE - TRAILER CONN TO SPARE
TABS 2AB	14	16-06017	A	B	TRAILER SPARE CNT-TRAILER CONN TO SPARE
ABS2 AC	18	16-04762	A	C	TR-ABS LAMP CONN TO DIODE (3)
ABS2 DB	18	16-04762	D	B	TR-ABS LAMP DIODE (3) TO LIGHTBAR
TABS 5AB	18	16-04762	A	B	TR-ABS LAMP DIODE (4) TO TRAILER CONN



DETAIL A

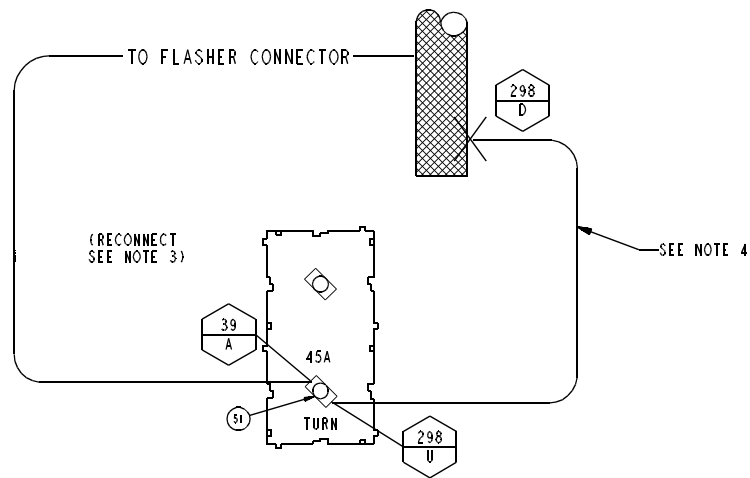
NOTES:

- 1) ADD ITEM 51 CIRCUIT BREAKER IN POSITION SHOWN
- 2) LABEL CIRCUIT BREAKER "45A/TURN" AS SHOWN
- 3) DISCONNECT CIRCUIT #39/A FROM THE FUSE HOLDER, AND CONNECT IT TO THE NEW CIRCUIT BREAKER
- 4) CONNECT 10 GA WIRE FROM 298D SPLICE AND CONNECT TO CIRCUIT BREAKER 298U
- 5) REWORK PER PETERBILT MPS 1600.002
- 6) TERMINALS TO BE SELECTED PER SK28129. USE TERMINAL CODE 12 OR 11
- 7) DOUBLE WALL HEAT SHRINK TUBING (NOT SHOWN)
- 8) THIS HARNESS IS MADE FROM 16-10147-001.

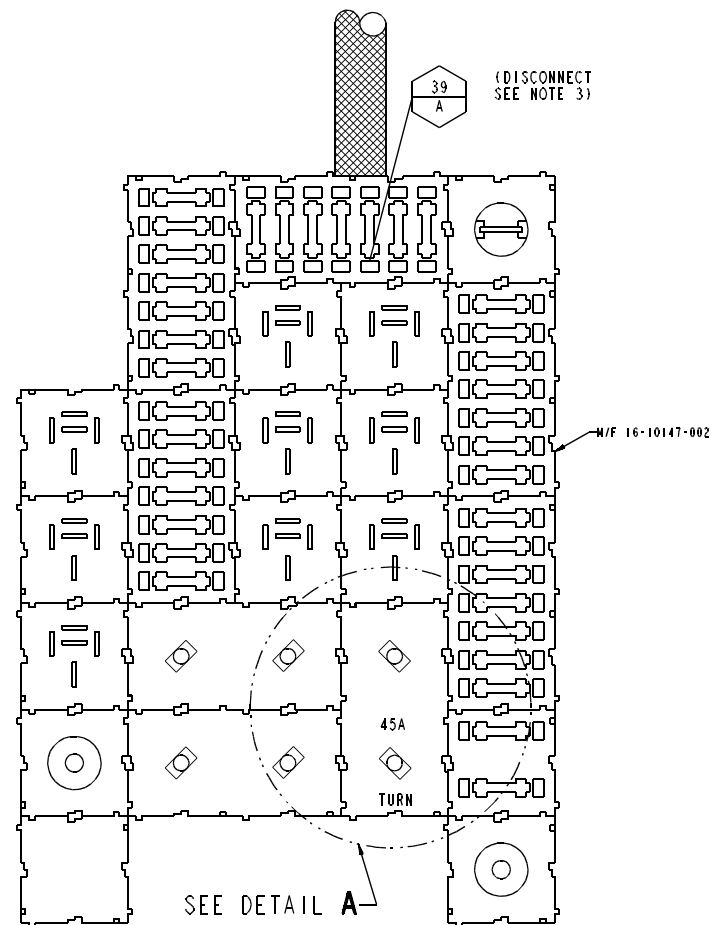


SOME DETAILS WERE REMOVED FOR CLARITY

VARIATION 16-10147-003 WITH HD FLASHER						
CKT	GA	WIRE	LOC	LOC	FUNCTION	
298DU	10	16-07064	D	U	SPLICE TO SPARE CIRCUIT BREAKER	
39AB	10	16-07064	A	B	FLASHER TO CIRCUIT BREAKER	



DETAIL A



SOME DETAILS WERE REMOVED
FOR CLARITY

NOTES:

- 1) ADD ITEM 51 CIRCUIT BREAKER IN POSITION SHOWN
- 2) LABEL CIRCUIT BREAKER "45A/TURN" AS SHOWN
- 3) DISCONNECT CIRCUIT #39/A FROM THE FUSE HOLDER, AND CONNECT IT TO THE NEW CIRCUIT BREAKER
- 4) CONNECT 10 GA WIRE FROM 298D SPLICE AND CONNECT TO CIRCUIT BREAKER 298U
- 5) REWORK PER PETERBILT MPS 1600.002
- 6) TERMINALS TO BE SELECTED PER SK28129. USE TERMINAL CODE 12 OR 11
- 7) DOUBLE WALL HEAT SHRINK TUBING (NOT SHOWN).
- 8) THIS HARNESS IS MADE FROM 16-10147-002.

VARIATION 16-10147-004 WITH ISO CONN AND HD FLASHER					
CKT	GA	WIRE	LOC	LOC	FUNCTION
298DU	10	16-07064	D	U	SPLICE TO SPARE CIRCUIT BREAKER
39AB	10	16-07064	A	B	FLASHER TO CIRCUIT BREAKER

		HARNESS-MAIN CAB	
16-10147-000		REV. A	
16-10147-000		REV. A	