13. CONNECTOR COMPOSITES (CHAPTER 13)

13.1. LEFT GAUGE CLUSTER (CONNECTOR 423)

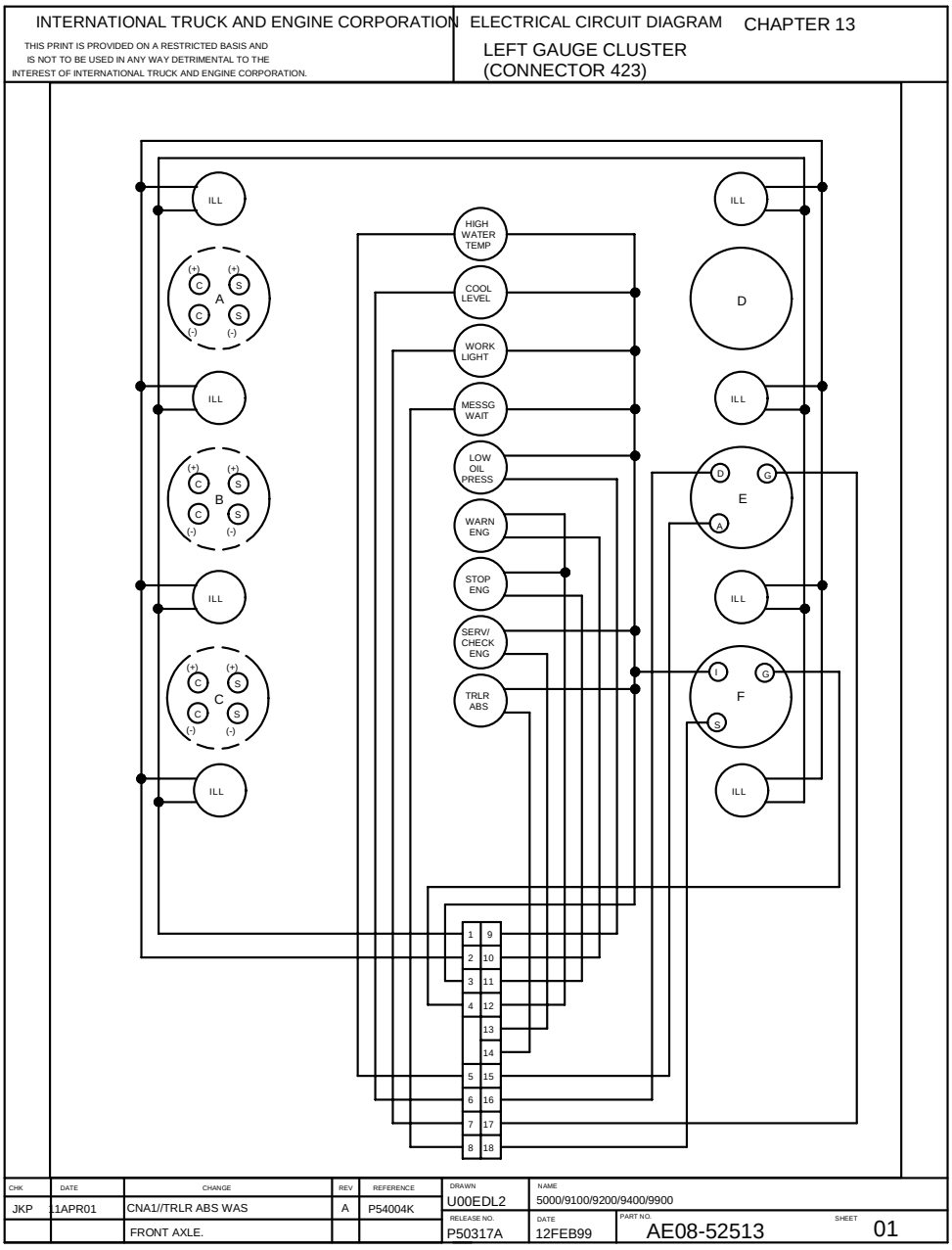


Figure 132 Left Gauge Cluster (Connector 423)

13.2. LEFT GAUGE CLUSTER (CONNECTOR 424)

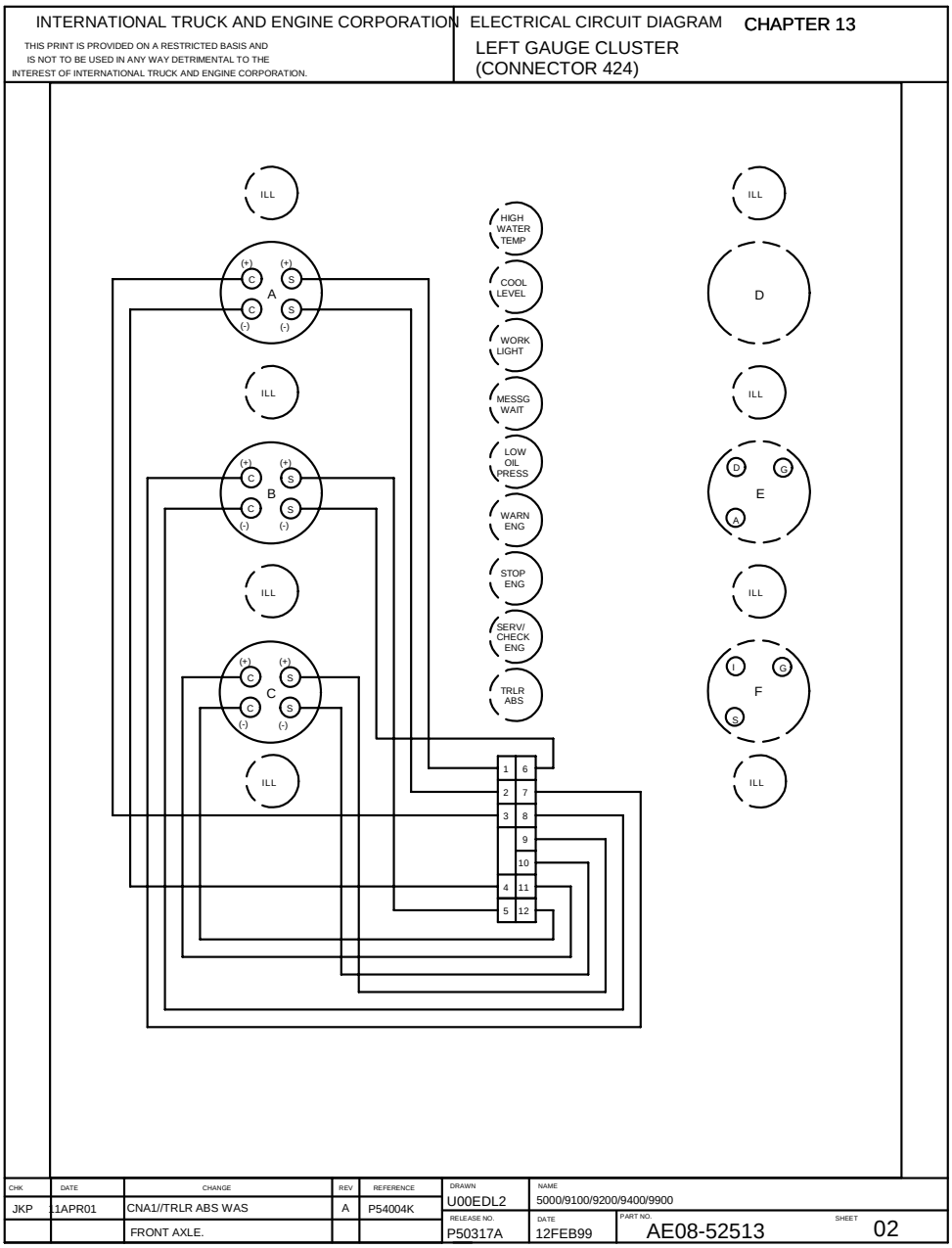


Figure 133 Left Gauge Cluster (Connector 424)

13.3. LEFT GAUGE CLUSTER — GAUGE INFORMATION

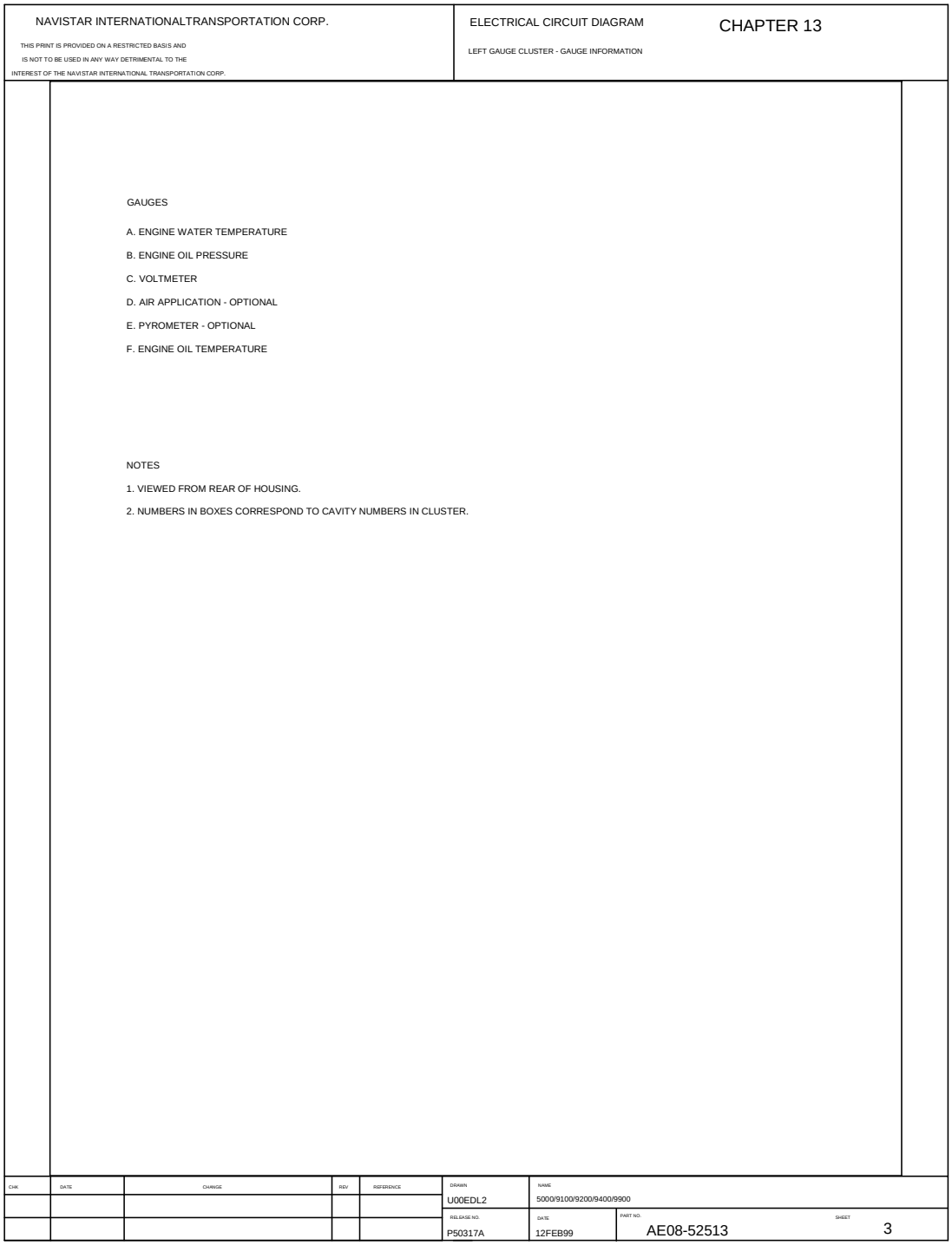


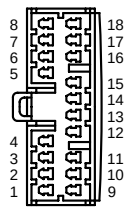
Figure 134 Left Gauge Cluster — Gauge Information

13.4. LEFT GAUGE CLUSTER — TERMINAL INFORMATION

INTERNATIONAL TRUCK AND ENGINE CORPORATION

ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

LEFT GAUGE CLUSTER - TERMINAL INFORMATION



(423)
(SEE NOTE 1)

CONNECTOR 423			
CAVITY	CIRCUIT NO.	CAVITY	CIRCUIT NO.
1	62C	10	97AT
2	62-GC	11	97AP
3	28A	12	28D
4	11-GM	13	97AZ
5	29L	14	94T
6	34B	15	25A
7	65C	16	25B
8	---	17	25-GA
9	35L	18	30

TERMINALS

1. INSTRUMENT LAMP POWER (+)
2. INSTRUMENT LAMP GROUND (-)
3. IGNITION (+)
4. GROUND (-)
5. HIGH WATER TEMPERATURE WARNING LIGHT (GROUND ACTIVE)
6. LOW COOLANT LEVEL WARNING LIGHT (GROUND ACTIVE) *
7. WORK LIGHT (GROUND ACTIVE) *
8. MESSAGE WAIT (GROUND ACTIVE) *
9. LOW OIL PRESSURE WARNING LIGHT (GROUND ACTIVE)
10. WARN ENGINE WARNING LIGHT W/ELECTRONIC ENGINES
11. STOP ENGINE WARNING LIGHT W/ELECTRONIC ENGINES
12. WARN & STOP ENGINE WARNING LIGHT (COMMON) W/ELECTRONIC ENGINES
13. CHECK ENGINE WARNING LIGHT (GROUND ACTIVE) W/ELECTRONIC ENGINES
14. TRAILER ABS WARNING LIGHT (GROUND ACTIVE)
15. PYROMETER AMPLIFIER (POWER) *
16. PYROMETER AMPLIFIER (GAUGE SIGNAL) *
17. PYROMETER AMPLIFIER (GROUND) *
18. ENGINE OIL TEMPERATURE SENDER (INPUT SIGNAL) *

* OPTIONAL

NOTES

1. VIEW OF CLUSTER CONNECTOR VIEWED FROM MATING (TERMINAL) END.

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
JKP	11APR01	CNA1//CAV 14 WAS ---.	A	P54004K	U00EDL2	5000/9100/9200/9400/9900		
		TERM 14 WAS FRT AXLE			RELEASE NO. P50317A	DATE 12FEB99	PART NO. AE08-52513	SHEET 04

Figure 135 Left Gauge Cluster — Terminal Information

13.5. LEFT GAUGE CLUSTER — TERMINAL INFORMATION

NAVISTAR INTERNATIONALTRANSPORTATION CORP.

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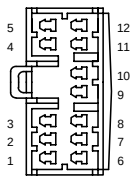
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

LEFT GAUGE CLUSTER - TERMINAL INFORMATION



(424)
(SEE NOTE 1)

CONNECTOR 424			
CAVITY	CIRCUIT NO.	CAVITY	CIRCUIT NO.
1	29S(+)	7	35C(+)
2	29S(-)	8	35C(-)
3	29C(+)	9	27S(+)
4	29C(-)	10	27S(-)
5	35S(+)	11	27C(+)
6	35S(-)	12	27C(-)

TERMINALS

1. ENGINE WATER TEMPERATURE GAUGE (SINE +)
2. ENGINE WATER TEMPERATURE GAUGE (SINE -)
3. ENGINE WATER TEMPERATURE GAUGE (COS +)
4. ENGINE WATER TEMPERATURE GAUGE (COS -)
5. ENGINE OIL PRESSURE GAUGE (SINE +)
6. ENGINE OIL PRESSURE GAUGE (SINE -)
7. ENGINE OIL PRESSURE GAUGE (COS +)
8. ENGINE OIL PRESSURE GAUGE (COS -)
9. VOLTMETER GAUGE (SINE +)
10. VOLTMETER GAUGE (SINE -)
11. VOLTMETER GAUGE (COS +)
12. VOLTMETER GAUGE (COS -)

* OPTIONAL

NOTES

1. VIEW OF CLUSTER CONNECTOR VIEWED FROM MATING (TERMINAL) END.

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
					U00EDL2	5000/9100/9200/9400/9900
					RELEASE NO. P50317A	DATE 12FEB99

PART NO. AE08-52513 SHEET 5

Figure 136 Left Gauge Cluster — Terminal Information

13.6. RIGHT GAUGE CLUSTER (CONNECTOR 420)

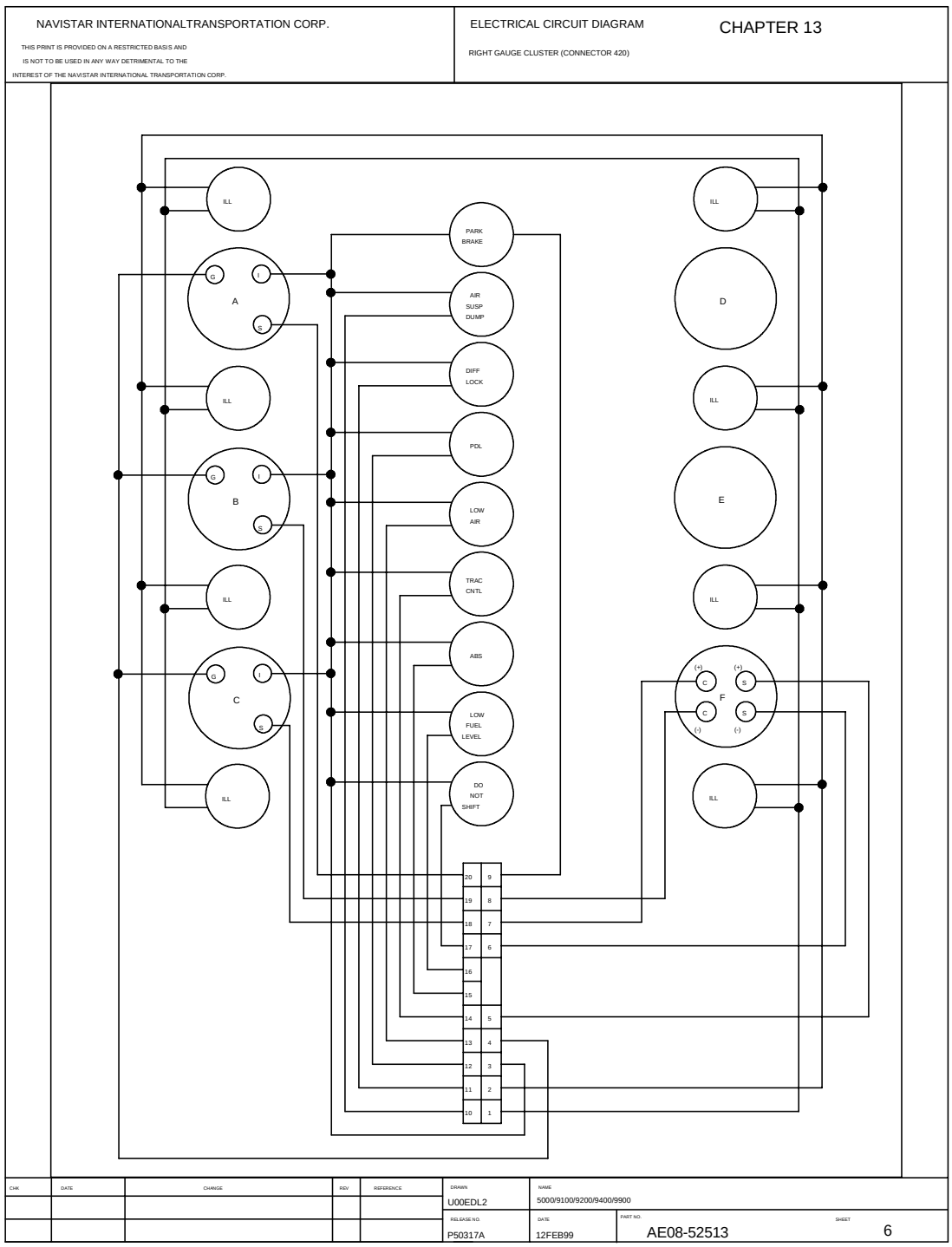


Figure 137 Right Gauge Cluster (Connector 420)

13.7. RIGHT GAUGE CLUSTER — GAUGE INFORMATION

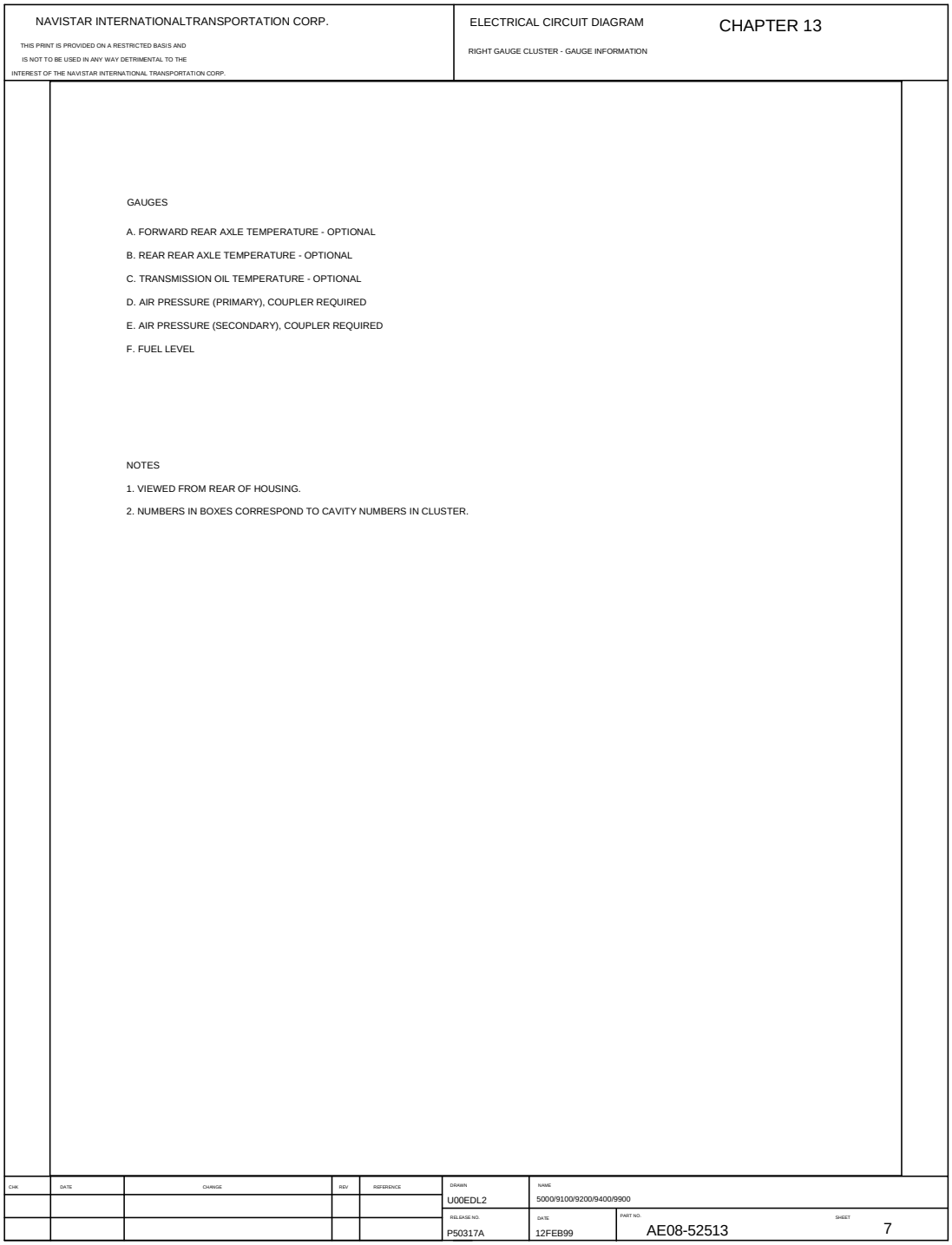


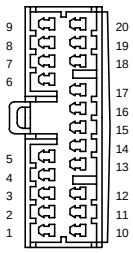
Figure 138 Right Gauge Cluster — Gauge Information

13.8. RIGHT GAUGE CLUSTER — TERMINAL INFORMATION

NAVISTAR INTERNATIONALTRANSPORTATION CORP.

ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

RIGHT GAUGE CLUSTER - TERMINAL INFORMATION



(420)
(SEE NOTE 1)

CONNECTOR 420			
CAVITY	CIRCUIT NO.	CAVITY	CIRCUIT NO.
1	62B	11	---
2	62-GB	12	43
3	28C	13	40A
4	11-GJ	14	94BD
5	36S(+)	15	94E
6	36S(-)	16	36L
7	36C(+)	17	---
8	36C(-)	18	31
9	44	19	32A
10	38	20	32

TERMINALS

1. INSTRUMENT LAMP POWER (+)
2. INSTRUMENT LAMP GROUND (-)
3. IGNITION (+)
4. GROUND (-)
5. FUEL LEVEL GAUGE (SINE +)
6. FUEL LEVEL GAUGE (SINE -)
7. FUEL LEVEL GAUGE (COS +)
8. FUEL LEVEL GAUGE (COS -)
9. PARK BRAKE WARNING LIGHT (GROUND ACTIVE) *
10. AIR SUSPENSION DUMP WARNING LIGHT (GROUND ACTIVE) *
11. DIFFERENTIAL LOCK WARNING LIGHT (GROUND ACTIVE) *
12. PDL WARNING LIGHT (GROUND ACTIVE) *
13. LOW AIR PRESSURE WARNING LIGHT (GROUND ACTIVE)
14. TRACTION CONTROL WARNING LIGHT (GROUND ACTIVE) *
15. ANTILOCK BRAKES WARNING LIGHT (GROUND ACTIVE) *
16. LOW FUEL LEVEL WARNING LIGHT (GROUND ACTIVE)
17. ALLISON WT WARNING LIGHT (GROUND ACTIVE) *
18. TRANSMISSION OIL TEMPERATURE SENDER (INPUT SIGNAL) *
19. REAR REAR AXLE TEMPERATURE SENDER (INPUT SIGNAL) *
20. FORWARD REAR AXLE TEMPERATURE SENDER (INPUT SIGNALS) *

* OPTIONAL

NOTES

1. VIEW OF CLUSTER CONNECTOR VIEWED FROM MATING (TERMINAL) END.

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
					U00EDL2	5000/9100/9200/9400/9900		
					RELEASE NO.	DATE	PART NO.	SHEET
					P50317A	12FEB99	AE08-52513	8

Figure 139 Right Gauge Cluster — Terminal Information

13.9. SPEEDOMETER/TACHOMETER MODULE — TERMINAL INFORMATION

NAVISTAR INTERNATIONALTRANSPORTATION CORP.

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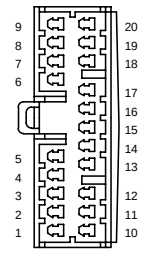
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

SPEEDOMETER/TACHOMETER MODULE - TERMINAL INFORMATION



(421)
(SEE NOTE 1)

CONNECTOR 421

CAVITY	CIRCUIT NO.	CAVITY	CIRCUIT NO.
1	62D	11	35-G
2	62-GD	12	35A
3	28B	13	48A
4	11-GL	14	48B
5	47/48(+)	15	36
6	47/48(-)	16	29
7	47A	17	93B
8	47B	18	40C
9	14G	19	36L
10	35	20	52J

TERMINALS

1. INSTRUMENT LAMP POWER (+)
2. INSTRUMENT LAMP GROUND (-)
3. IGNITION (+)
4. GROUND (-)
5. J1708 DATA LINK (+) W/ELECTRONIC ENGINES
6. J1708 DATA LINK (-) W/ELECTRONIC ENGINES
7. SPEEDOMETER SENSOR-HIGH (INPUT SIGNAL) W/MECHANICAL ENGINES
8. SPEEDOMETER SENSOR-LOW (INPUT SIGNAL) W/MECHANICAL ENGINES
9. BATTERY (+)
10. OIL PRESSURE SENDER (INPUT SIGNAL) W/MECHANICAL ENGINES
11. OIL PRESSURE SENDER (GROUND SIGNAL) W/MECHANICAL ENGINES
12. OIL PRESSURE SENDER (+5V SUPPLY) W/MECHANICAL ENGINES
13. TACHOMETER SENSOR-HIGH (INPUT SIGANL) W/MECHANICAL ENGINES
14. TACHOMETER SENSOR-LOW (INPUT SIGNAL) W/MECHANICAL ENGINES
15. FUEL SENDER (INPUT SIGNAL)
16. WATER TEMPERATURE SENDER (INPUT SIGNAL) W/MECHANICAL ENGINES
17. TWO SPEED AXLE (OUTPUT SIGNAL) *
18. LOW AIR SWITCH (GROUND ACTIVE)
19. LOW FUEL LEVEL WARNING LIGHT (OUTPUT SIGNAL)
20. HIGH BEAM INDICATOR (INPUT SIGNAL)

* OPTIONAL

NOTES

1. VIEW OF CLUSTER CONNECTOR VIEWED FROM MATING (TERMINAL) END.

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
					U00EDL2	5000/9100/9200/9400/9900		
					RELEASE NO.	DATE	PART NO.	SHEET
					P50317A	12FEB99	AE08-52513	9

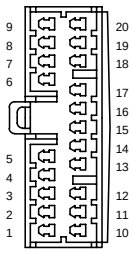
Figure 140 Speedometer/Tachometer Module — Terminal Information

13.10. SPEEDOMETER/TACHOMETER MODULE — TERMINAL INFORMATION

NAVISTAR INTERNATIONALTRANSPORTATION CORP.

ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

SPEEDOMETER/TACHOMETER MODULE - TERMINAL INFORMATION



(422)
(SEE NOTE 1)

CONNECTOR 422			
CAVITY	CIRCUIT NO.	CAVITY	CIRCUIT NO.
1	57R	11	35C(+)
2	56R	12	35C(-)
3	29L	13	27S(+)
4	35L	14	27S(-)
5	29S(+)	15	27C(+)
6	29S(-)	16	27C(-)
7	29C(+)	17	36S(+)
8	29C(-)	18	36S(-)
9	35S(+)	19	36C(+)
10	35S(-)	20	36C(-)

TERMINALS

1. RIGHT TURN SIGNAL (INPUT SIGNAL)
2. LEFT TURN SIGNAL (INPUT SIGNAL)
3. HIGH WATER TEMPERATURE WARNING LIGHT (OUTPUT SIGNAL)
4. LOW OIL PRESSURE WARNING LIGHT (OUTPUT SIGNAL)
5. ENGINE WATER TEMPERATURE GAUGE (SINE +)
6. ENGINE WATER TEMPERATURE GAUGE (SINE -)
7. ENGINE WATER TEMPERATURE GAUGE (COS +)
8. ENGINE WATER TEMPERATURE GAUGE (COS -)
9. ENGINE OIL PRESSURE GAUGE (SINE +)
10. ENGINE OIL PRESSURE GAUGE (SINE -)
11. ENGINE OIL PRESSURE GAUGE (COS +)
12. ENGINE OIL PRESSURE GAUGE (COS -)
13. VOLTMETER GAUGE (SINE +)
14. VOLTMETER GAUGE (SINE -)
15. VOLTMETER GAUGE (COS +)
16. VOLTMETER GAUGE (COS -)
17. FUEL LEVEL GAUGE (SINE +)
18. FUEL LEVEL GAUGE (SINE -)
19. FUEL LEVEL GAUGE (COS +)
20. FUEL LEVEL GAUGE (COS -)

* OPTIONAL

NOTES

1. VIEW OF CLUSTER CONNECTOR VIEWED FROM MATING (TERMINAL) END.

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
					U00EDL2	5000/9100/9200/9400/9900
					RELEASE NO. P50317A	DATE 12FEB99	PART NO. AE08-52513	SHEET 10

Figure 141 Speedometer/Tachometer Module — Terminal Information

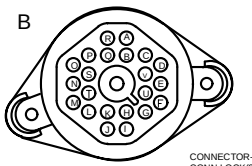
13.11. CONNECTOR COMPOSITES (1), (2), (3)

INTERNATIONAL TRUCK AND ENGINE CORPORATION

ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

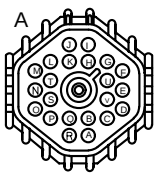
CONNECTOR COMPOSITES

B



CONNECTOR-593389C1
CONN LOCK(2-RECD)-598333C1
TERMINAL(18,20AWG)-587576C1
TERMINAL(14,16,18AWG)-587575C1
TERMINAL(12AWG)-1673747C1
CABLE SEAL(16,18,20AWG)-1652325C1
CABLE SEAL(14AWG)-589391C1
CABLE SEAL(12AWG)-589390C1

A



CONNECTOR-589332C1
CONN LOCK(2 RECD)-589333C1
TERMINAL(14,16AWG)-587577C1
TERMINAL(18,20AWG)-587578C1
CAVITY PLUG-587579C1
CABLE SEAL(16,20AWG)-1652325C1
CABLE SEAL(14 AWG)-589391C1

DASH PANEL - LEFT SIDE (1)
A-FRONT END,B-MAIN CAB

CAVITY	CIRCUIT		CAVITY	CIRCUIT	
	A	B		A	B
A	53B	53B	L	---	97AL
B	---	---	M	64B	64B
C	---	---	N	21	21**
D	---	---	O	---	---
E	RED*	39B	P	56	56
F	52F	52F	Q	21A	21A
G	52-GE	52-GE	R	---	---
H	---	97-GF	S	57	57
I	70A	70A	T	85B	85B
J	70	70	U	41C	---
K	58H	58H	V	41D	---

*W/AD-9 AIR DRYER **W/ETHER START

DASH PANEL - RIGHT SIDE (2)
A-ENGINE,B-MAIN CAB

CAVITY	CIRCUIT		CAVITY	CIRCUIT	
	B	A		B	A
A	19	---	L	17B	17B
B	30	30	M	82C	82C
C	77C	77C	N	82D	82D
D	48A	---	O	82E	82E
E	92PF	RD	P	13D	13D
F	48B	---	Q	21A	21A
G	71	71	R	23	23
H	71A/71B	71A	S	82F	82F
I	29	29	T	82-GC	82-GC
J	29A	23A	U	97AW	---
K	97BC	23B	V	31	31

DASH PANEL - RIGHT SIDE (3)
A-CHASSIS,B-MAIN CAB

CAVITY	CIRCUIT		CAVITY	CIRCUIT		CAVITY	CIRCUIT		CAVITY	CIRCUIT	
	A	B		A	B		A	B		A	B
A	32	32	G	68A	68A	M	---	---	S	---	87A
B	47A@	47A	H	71A	71A	N	---	---	T	---	87B
C	47B@	47B	I	---	---	O	---	---	U	---	---
D	---	71P	J	---	---	P	---	---	V	36	36
E	56B	56B	K	---	---	Q	---	---			
F	57B	57B	L	---	---	R	32A	32A			

@W/3406C ONLY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JKP	4MAR02	ADDED CIR 41C,41D	A	55093F	U00EDL2	5000/9100/9200/9400/9900
TO CAV U & V OF		CHART (1).			RELEASE NO. P50317A	DATE 12FEB99 PART NO. AE08-52513 SHEET 11

Figure 142 Connector Composites (1), (2), (3)

13.12. CONNECTOR COMPOSITES (4), (9), (11), (15), (20), (27)

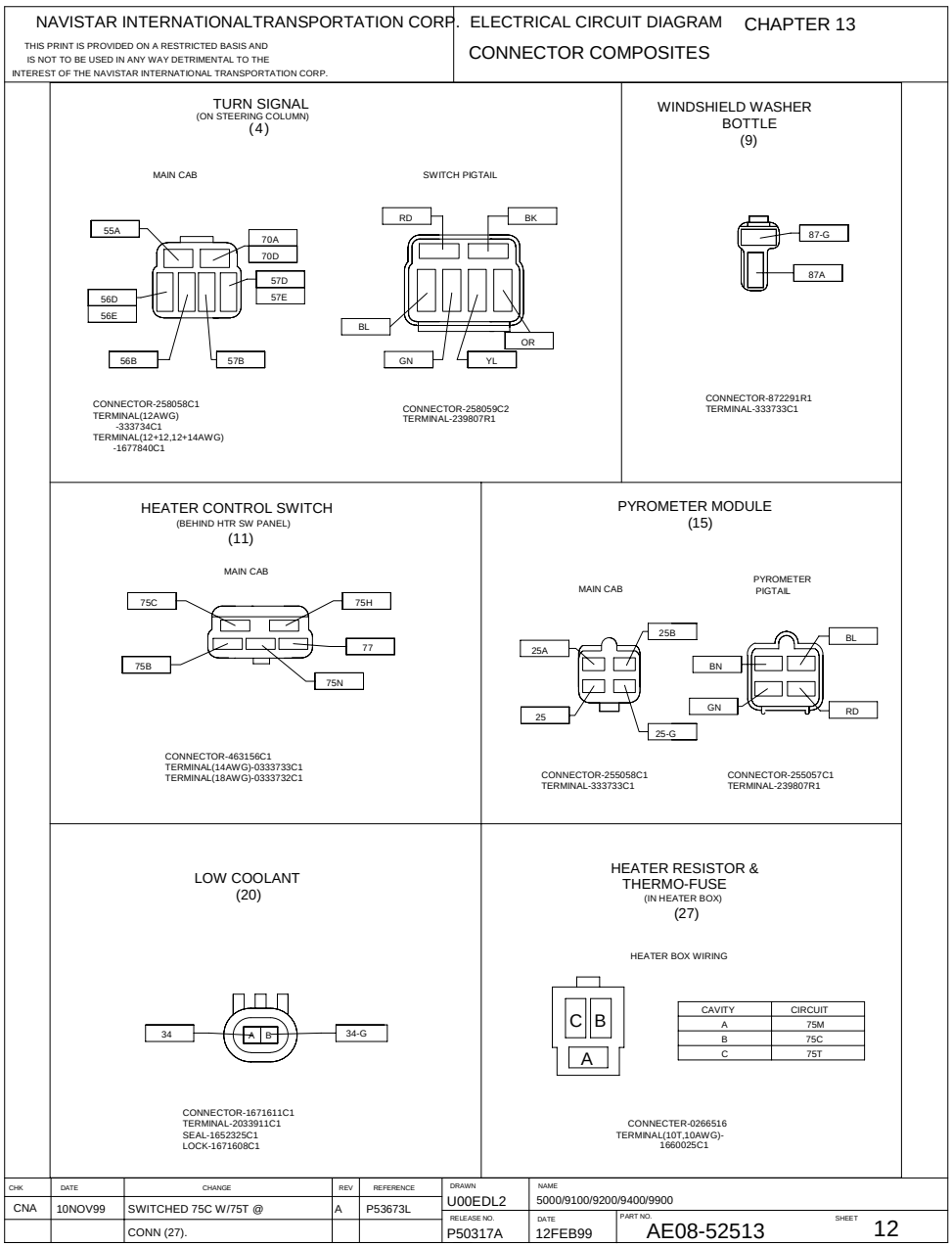


Figure 143 Connector Composites (4), (9), (11), (15), (20), (27)

13.13. CONNECTOR COMPOSITES (40), (41), (42), (43), (48), (65)

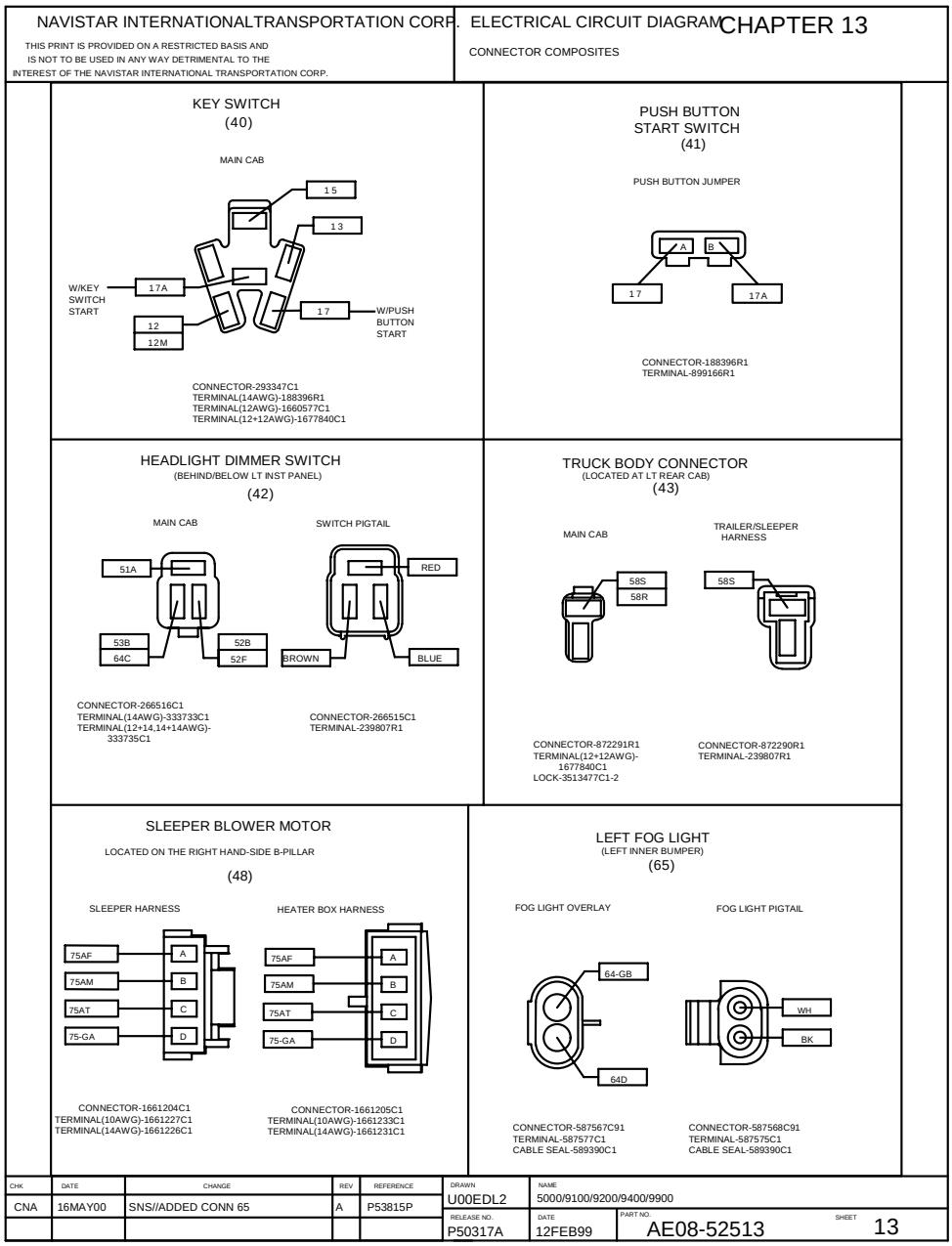


Figure 144 Connector Composites (40), (41), (42), (43), (48), (65)

13.14. CONNECTOR COMPOSITES (66), (71), (72), (76), (77), (94)

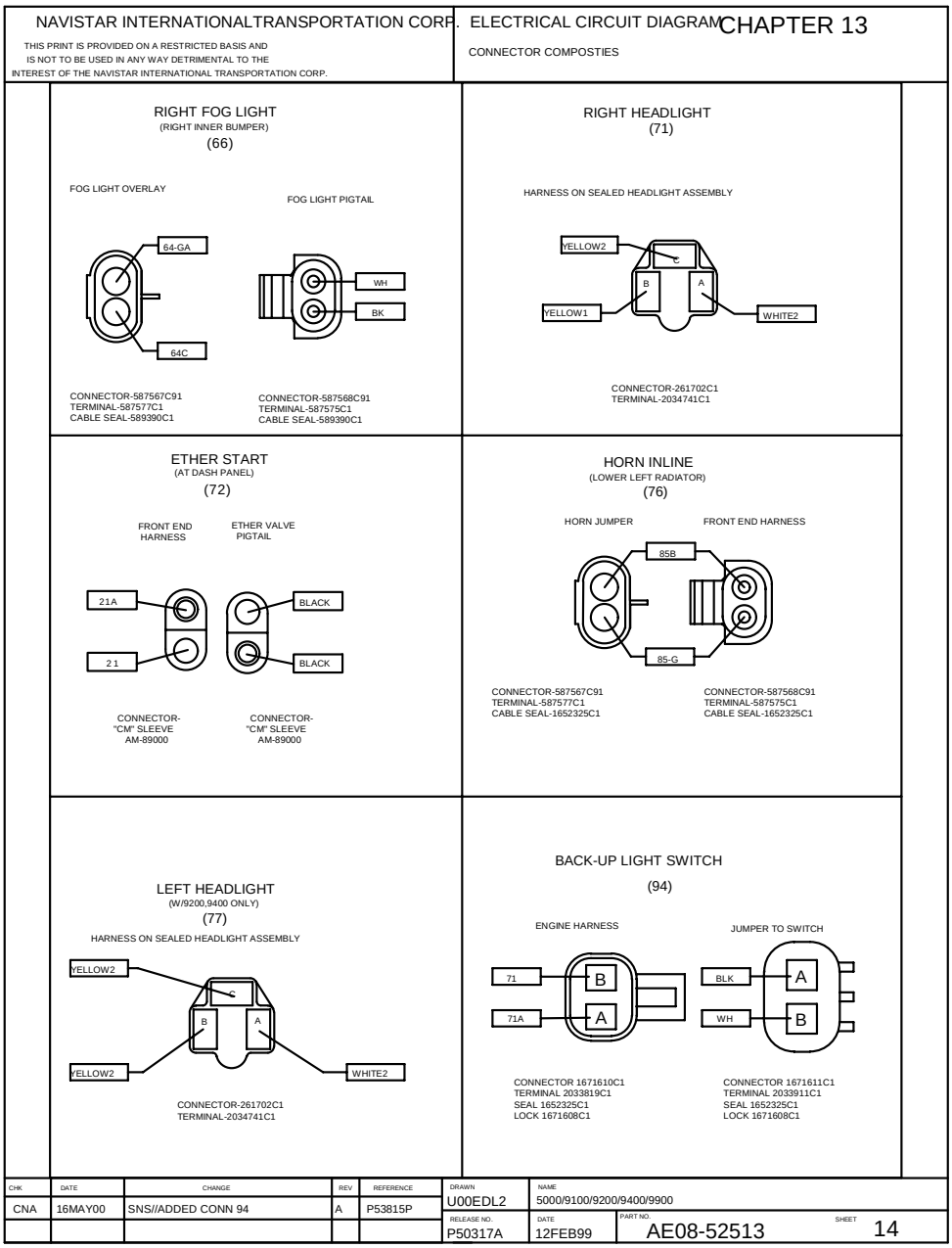


Figure 145 Connector Composites (66), (71), (72), (76), (77), (94)

13.15. CONNECTOR COMPOSITES (100), (100A), (105), (111), (112), (113), (115)

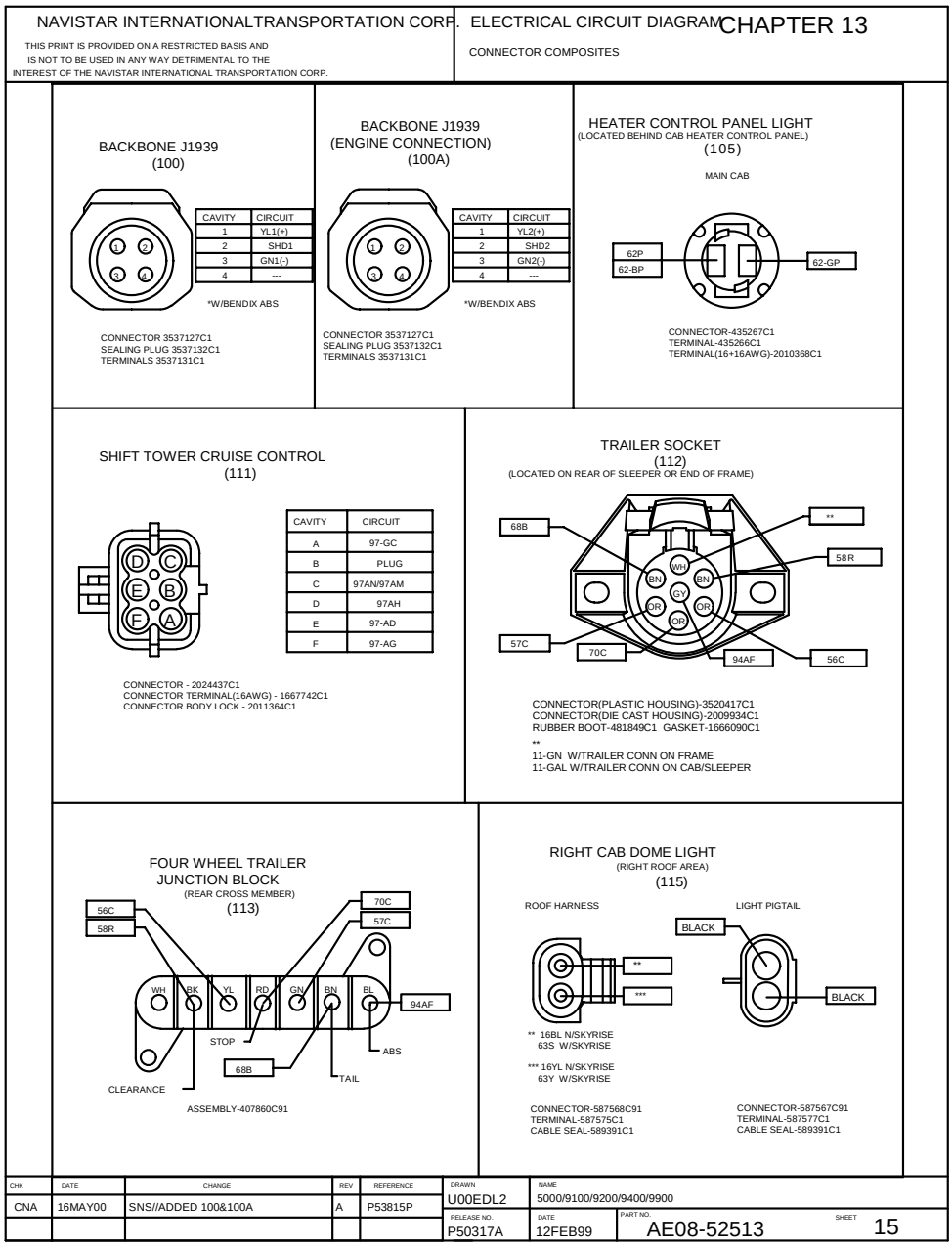


Figure 146 Connector Composites (100), (100A), (105), (111), (112), (113), (115)

13.16. CONNECTOR COMPOSITES (116), (117), (118), (127A), (128)

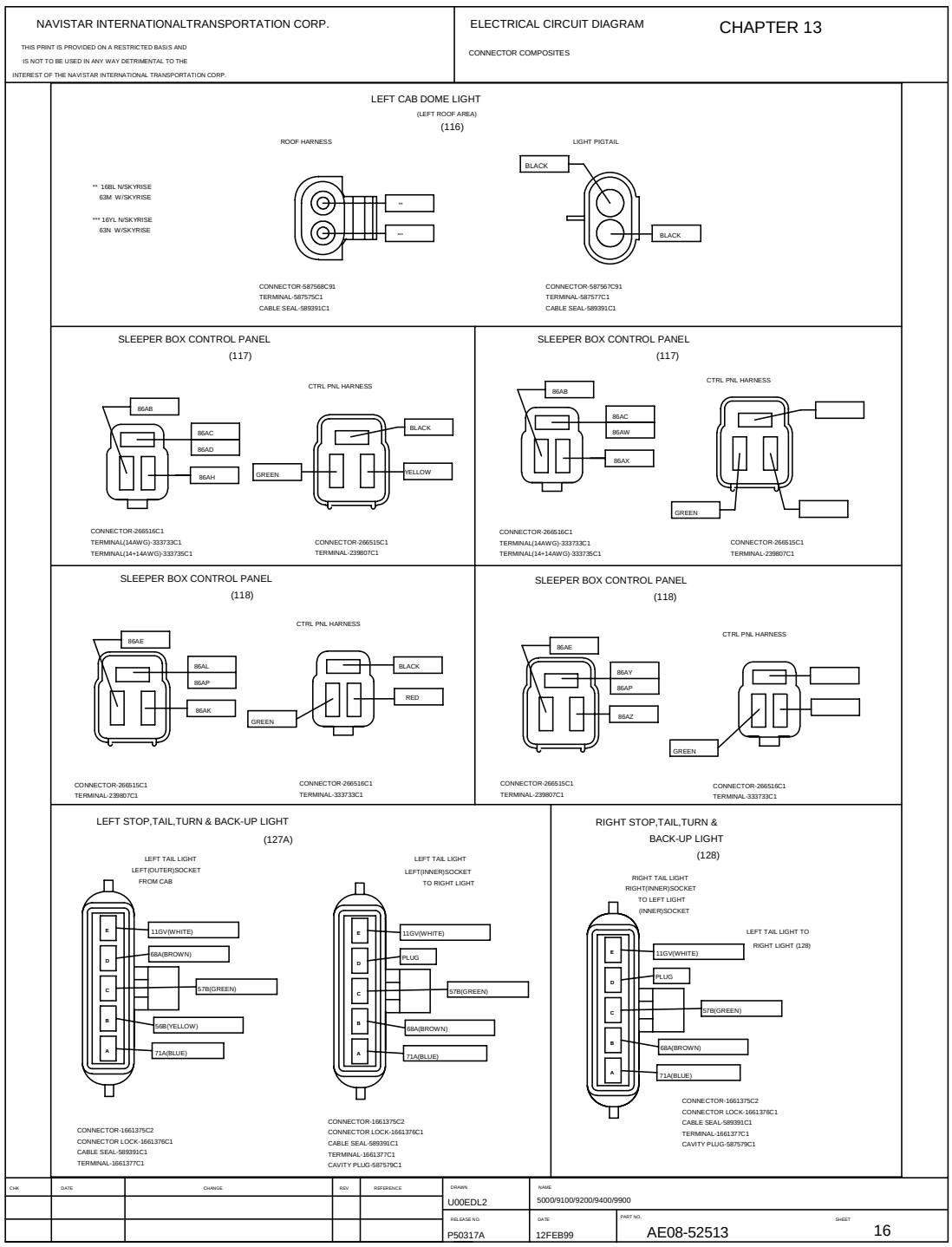


Figure 147 Connector Composites (116), (117), (118), (127A), (128)

13.17. CONNECTOR COMPOSITES (137), (141), (142), (143), (144), (145), (146), (147), (148)

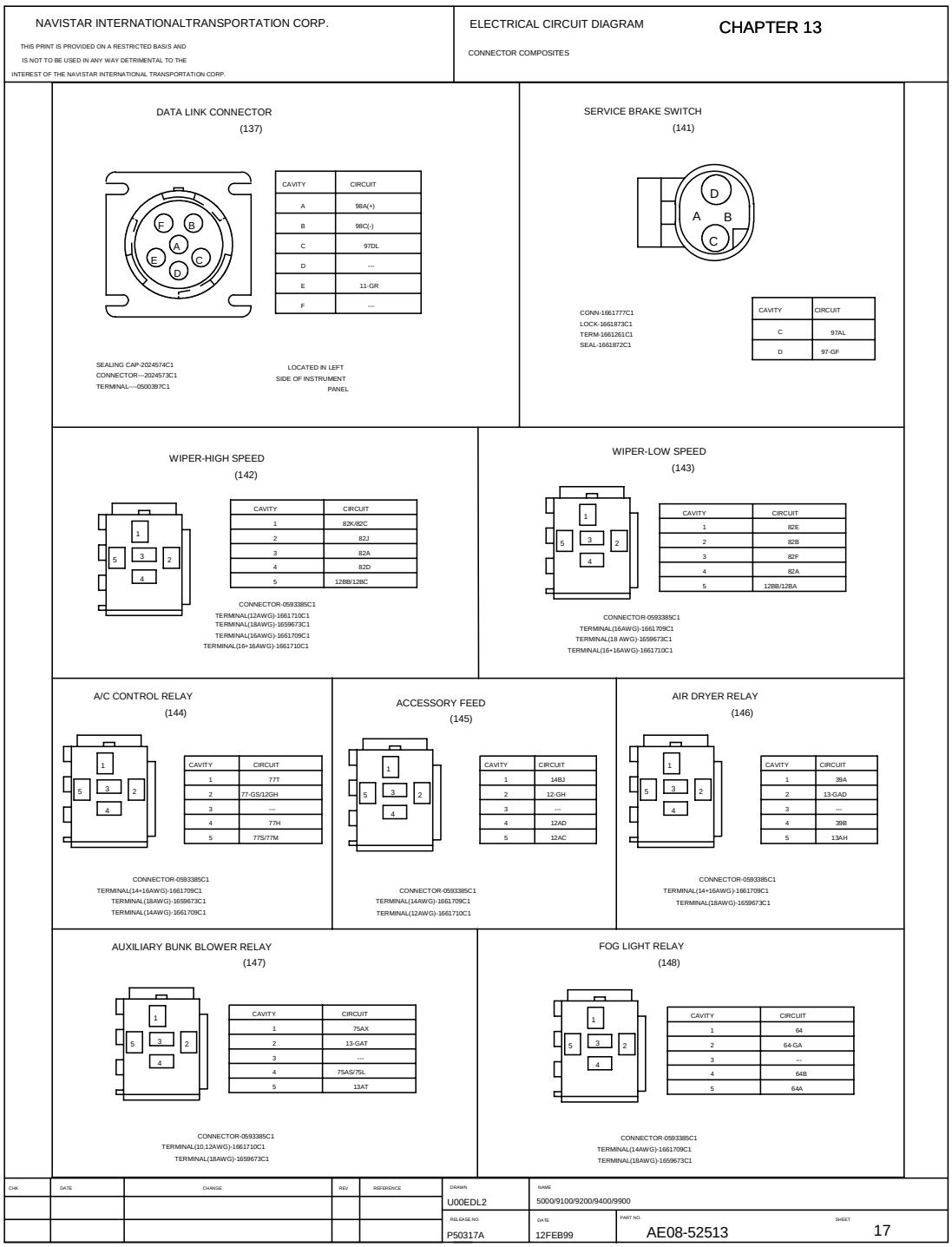


Figure 148 Connector Composites (137), (141), (142), (143), (144), (145), (146), (147), (148)

13.18. CONNECTOR COMPOSITES (149), (150), (151), (152), (161), (162)

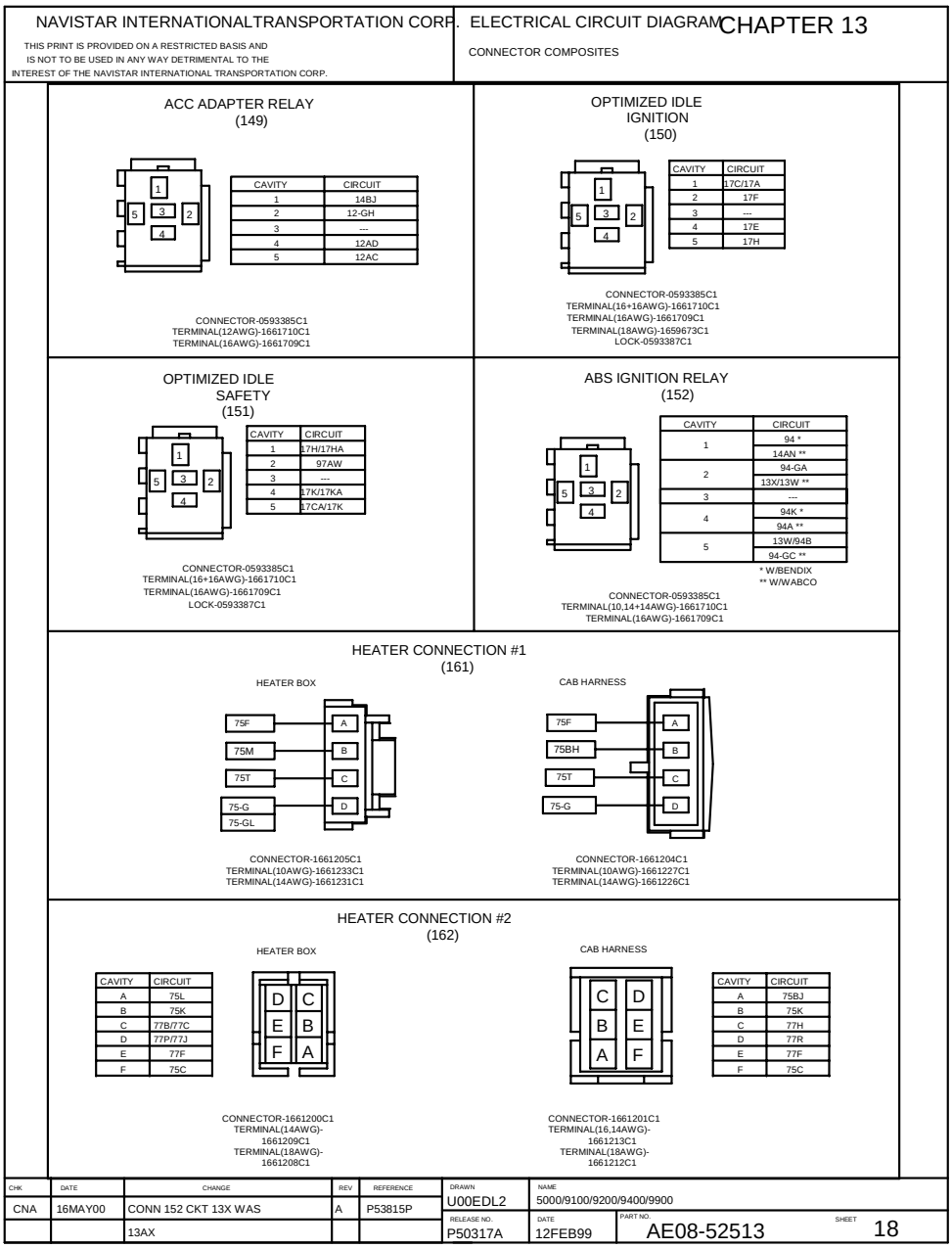


Figure 149 Connector Composites (149), (150), (151), (152), (161), (162)

13.19. CONNECTOR COMPOSITES (165), (166), (167), (170), (171), (180)

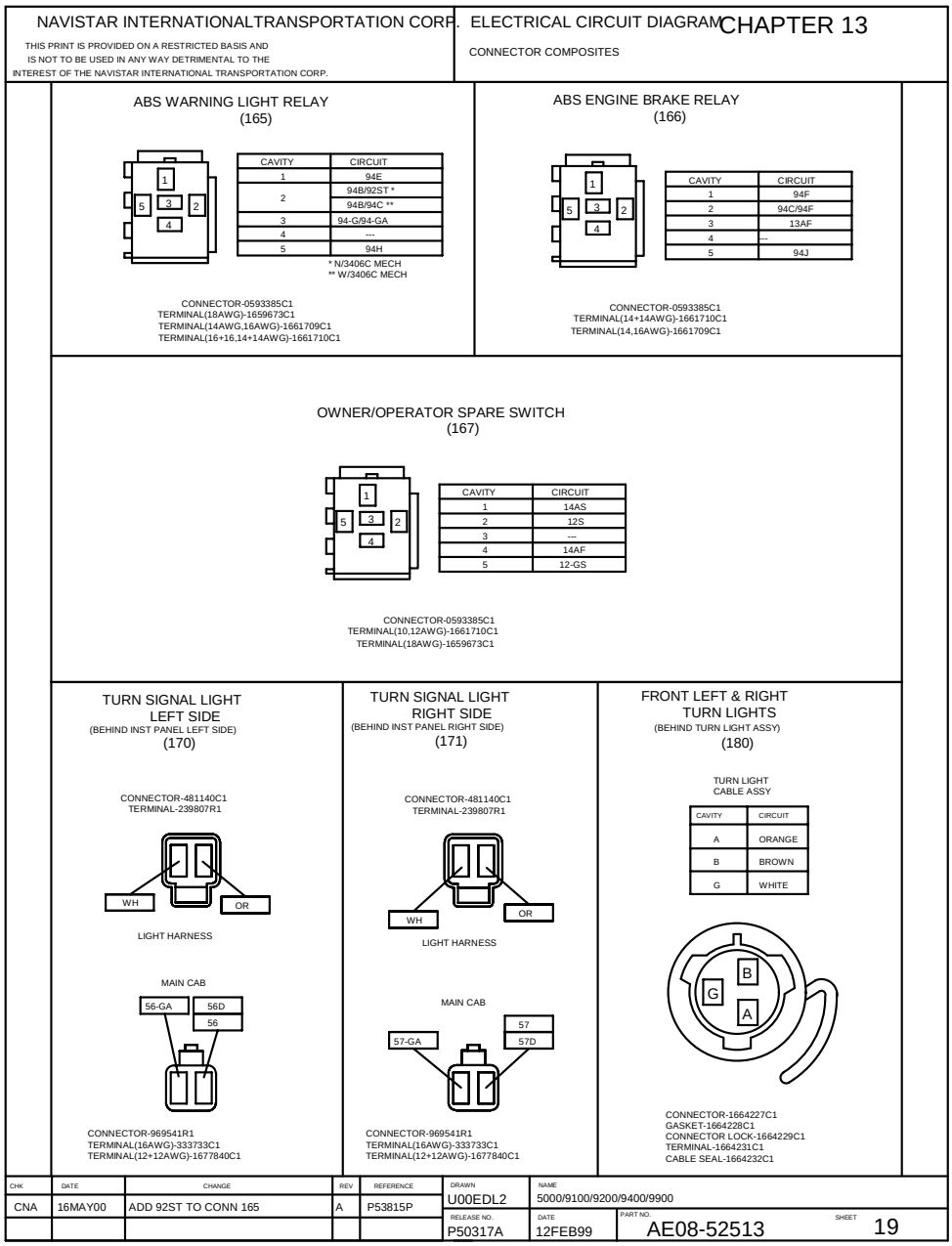


Figure 150 Connector Composites (165), (166), (167), (170), (171), (180)

13.20. CONNECTOR COMPOSITE (190)

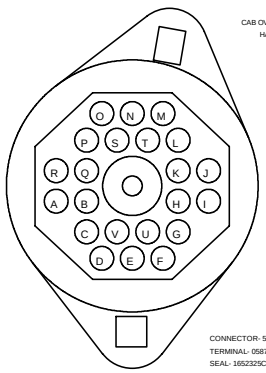
NAVISTAR INTERNATIONALTRANSPORTATION CORP.

ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

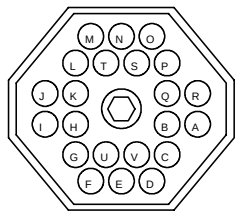
CONNECTOR COMPOSITES

ELECTRONIC ENGINE DASH CONNECTORS

(190)



CONNECTOR- 593389C1
TERMINAL- 0587576C1
SEAL- 1652325C1
PLUG- 0587579C1



CONNECTOR- 598332C1
TERMINAL- 0587578C1
SEAL- 1652325C1
PLUG- 0587579C1

N14	
CAV	CIRCUIT
A	99
B	99A(5V)
C	99-G
D	99B
E	99C
F	97AL
G	97AM
H	97AP
I	97AB
J	97AE
K	97AA
L	24AF
M	24AE
N	97AZ
O	97AU
P	97AV
Q	97AU
R	97AH
S	98B(-)
T	98(+)
U	97AT
V	97-GA

C10/C12/3406E	
CAV	CIRCUIT
A	99
B	99A(5V)/(8V)
C	PLUG
D	PLUG
E	PLUG
F	97AL
G	PLUG
H	PLUG
I	97AB
J	97AE
K	97AA
L	24AF
M	24AE
N	97AZ
O	PLUG
P	PLUG
Q	97L
R	97AH
S	98B(-)
T	98(+)
U	97AT
V	97-GA

SERIES 60	
CAV	CIRCUIT
A	99
B	99A(5V)/(8V)
C	99-G
D	99B/99-B
E	13-DB
F	97AL
G	17F
H	97AP
I	97AB
J	97AE
K	97AA
L	24AF
M	24AE
N	75DD/75DC
O	97AU
P	97AV/75DH
Q	75DE
R	97AH
S	98B(-)
T	98(+)
U	97AT
V	97-GA

AHD & ISM	
CAV	CIRCUIT
A	99
B	99A(5V)/(8V)
C	99-G
D	99B
E	99C
F	97AL
G	99AM
H	97AP
I	97AB
J	97AE
K	97AA
L	24AF
M	24AE
N	97AZ
O	PLUG
P	PLUG
Q	24AP*
R	97AH
S	98B(-)
T	98(+)
U	97AT
V	97-GA

I6 HEUI	
CAV	CIRCUIT
A	99B
B	97U(5V)
C	97W
D	97D
E	97A
F	97CT
G	98
H	97AF
I	97DK
J	97CF
K	97DJ
L	24
M	PLUG
N	97CD
O	97AA
P	97NM
Q	PLUG
R	97CR
S	98C(-)
T	98A(+)
U	97T
V	PLUG

* W/AHD ENGINES ONLY

CHK	DATE	CHANGE	REV	REFERENCE

DRAWN	NAME
U00EDL2	5000/9100/9200/9400/9900
RELEASE NO.	DATE / PART NO. / SHEET
P50317A	12FEB99 / AE08-52513 / 20

Figure 151 Connector Composite (190)

13.21. CONNECTOR COMPOSITES (196), (199), (200), (201), (209), (211), (214), (216)

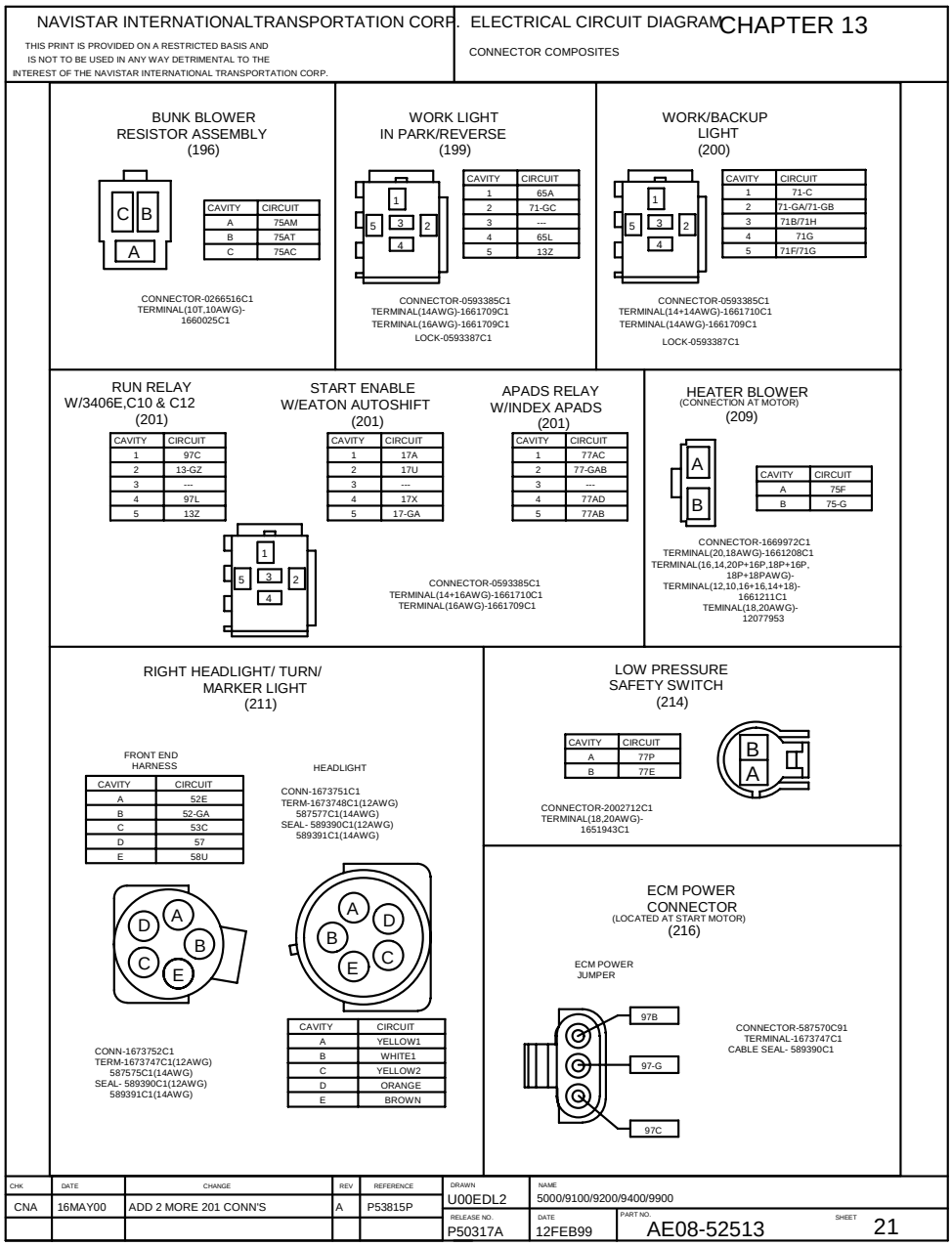


Figure 152 Connector Composites (196), (199), (200), (201), (209), (211), (214), (216)

13.22. CONNECTOR COMPOSITES (217), (218), (220), (221)

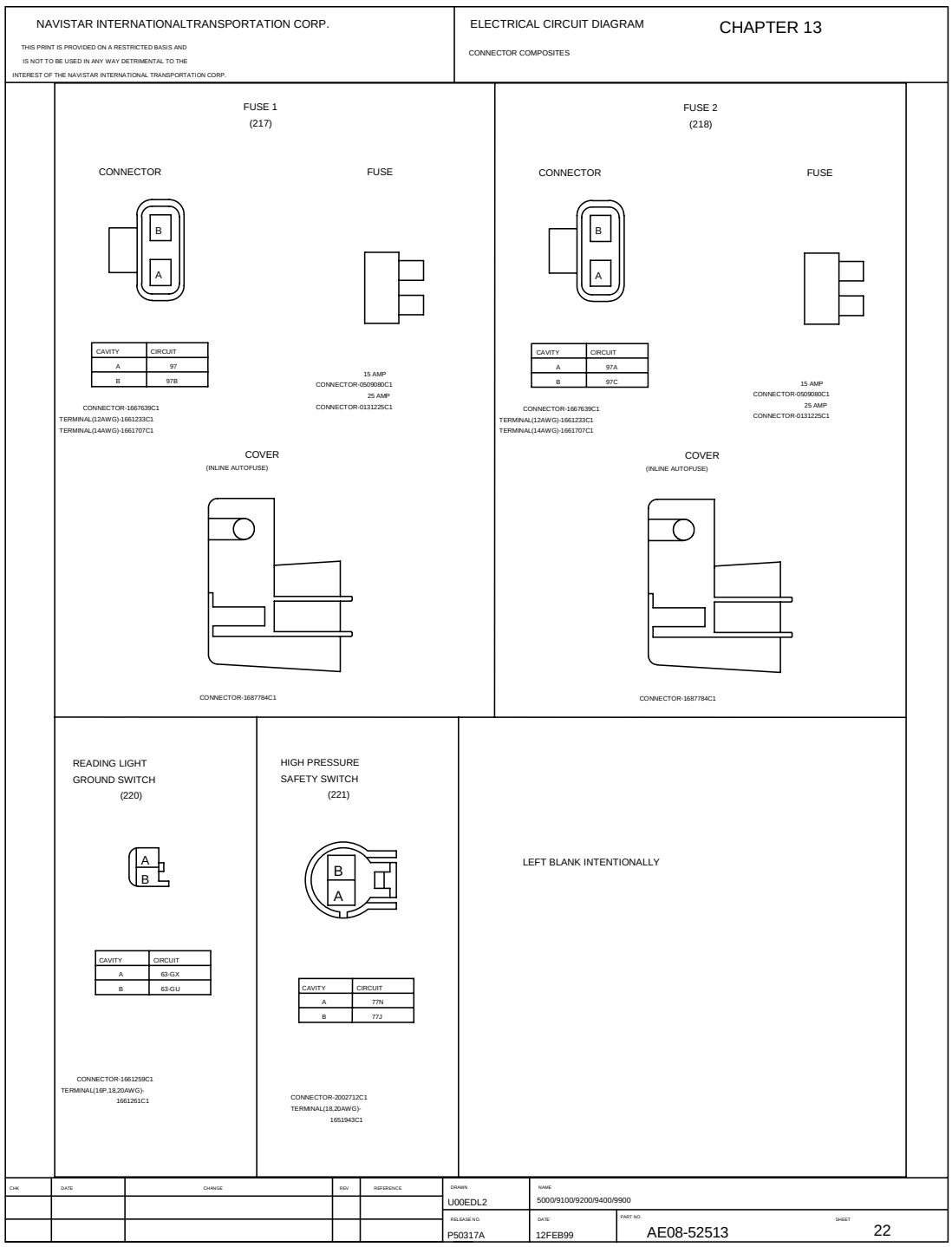


Figure 153 Connector Composites (217), (218), (220), (221)

13.23. CONNECTOR COMPOSITES (227), (228), (229)

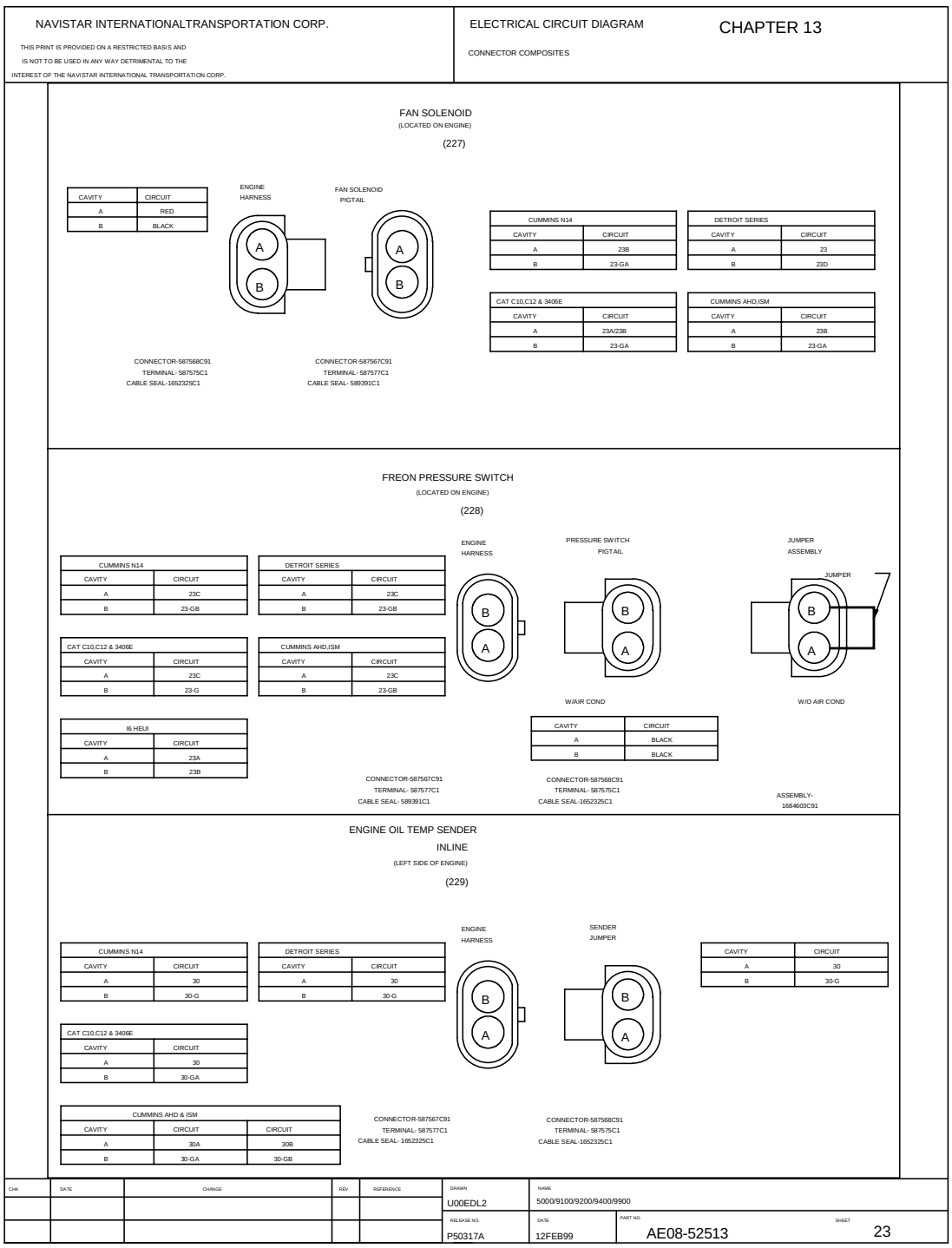


Figure 154 Connector Composites (227), (228), (229)

13.24. CONNECTOR COMPOSITES (230), (231), (236), (241)

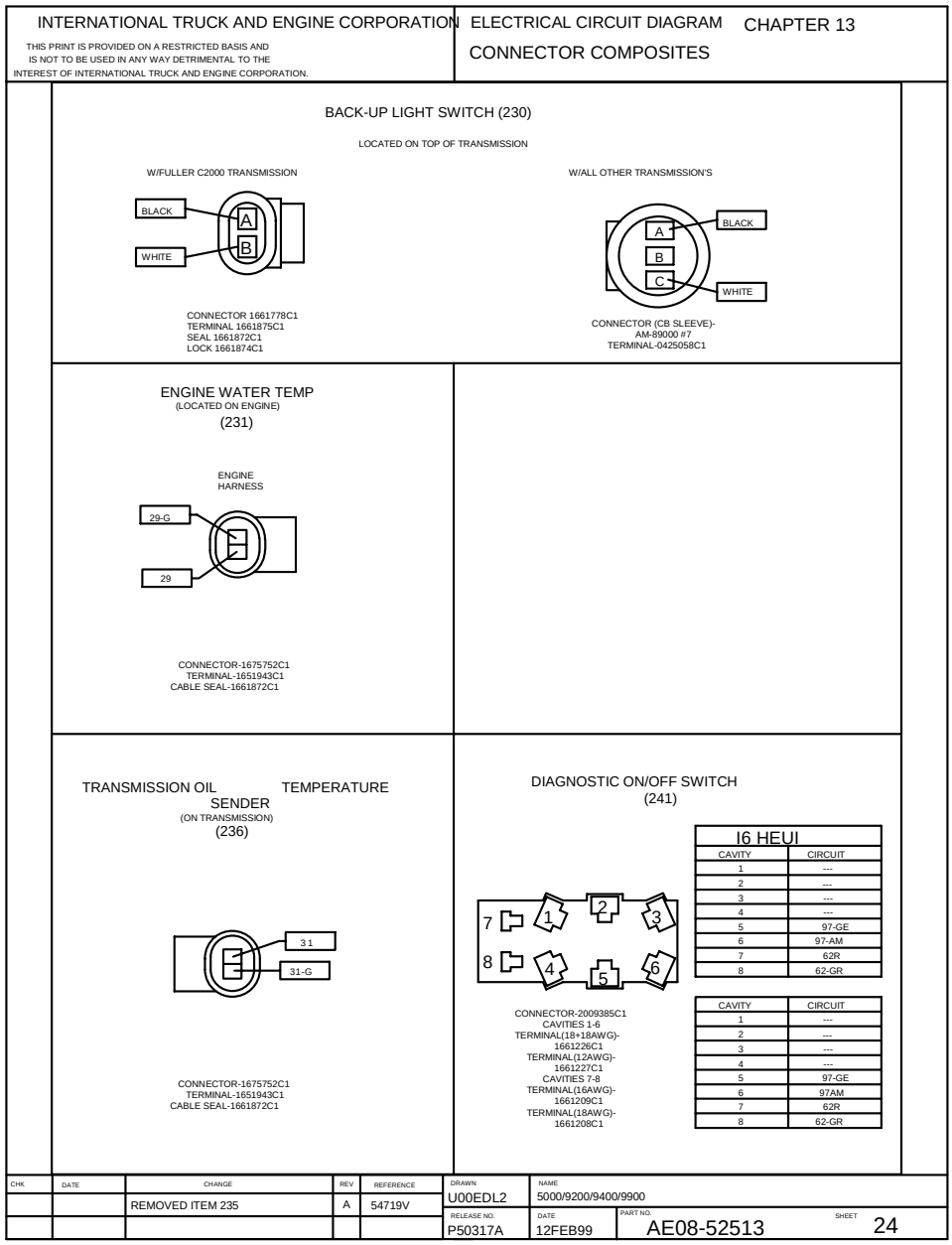


Figure 155 Connector Composites (230), (231), (236), (241)

13.25. CONNECTOR COMPOSITES (243), (244), (249), (250), (251)

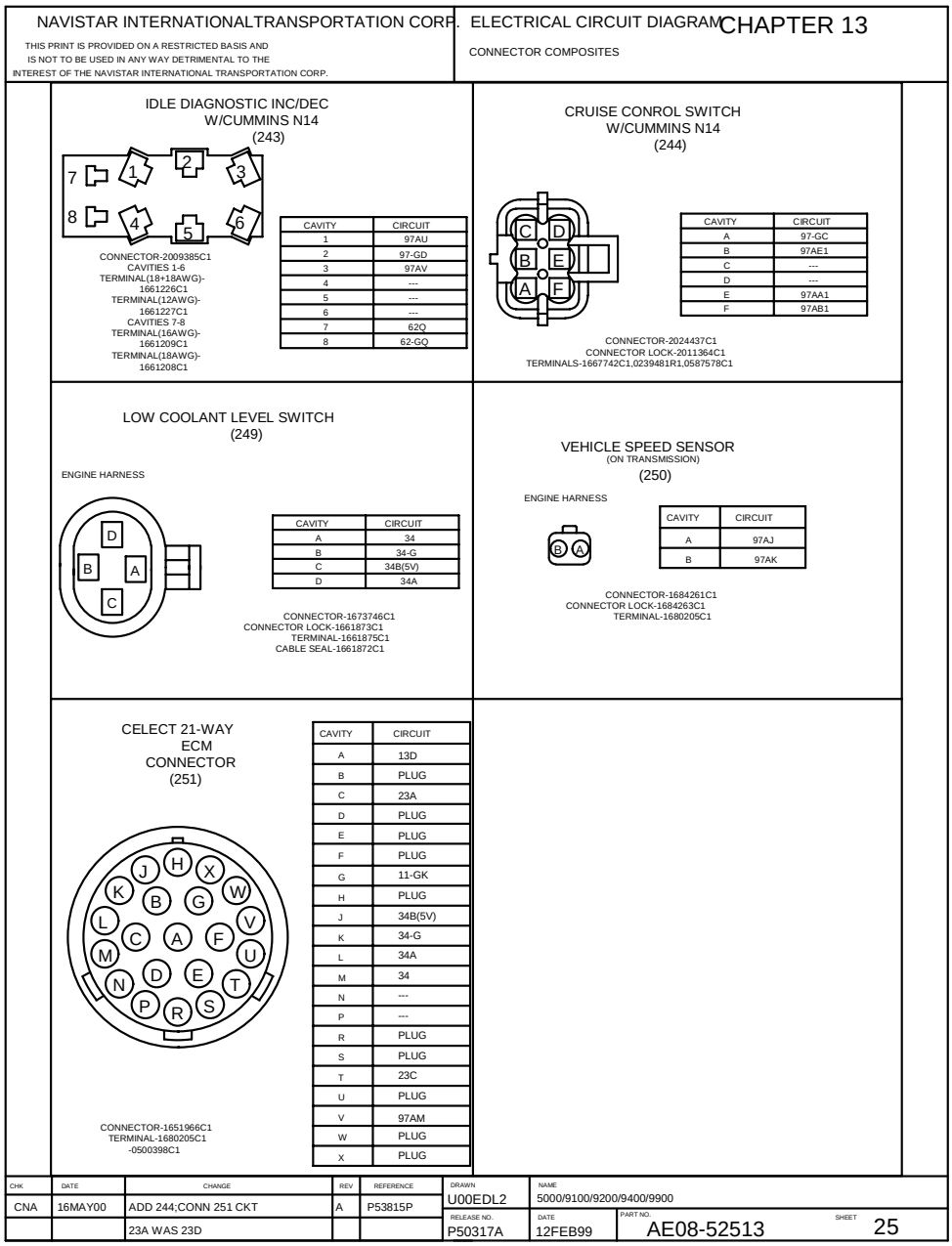


Figure 156 Connector Composites (243), (244), (249), (250), (251)

13.26. CONNECTOR COMPOSITES (252), (260), (267)

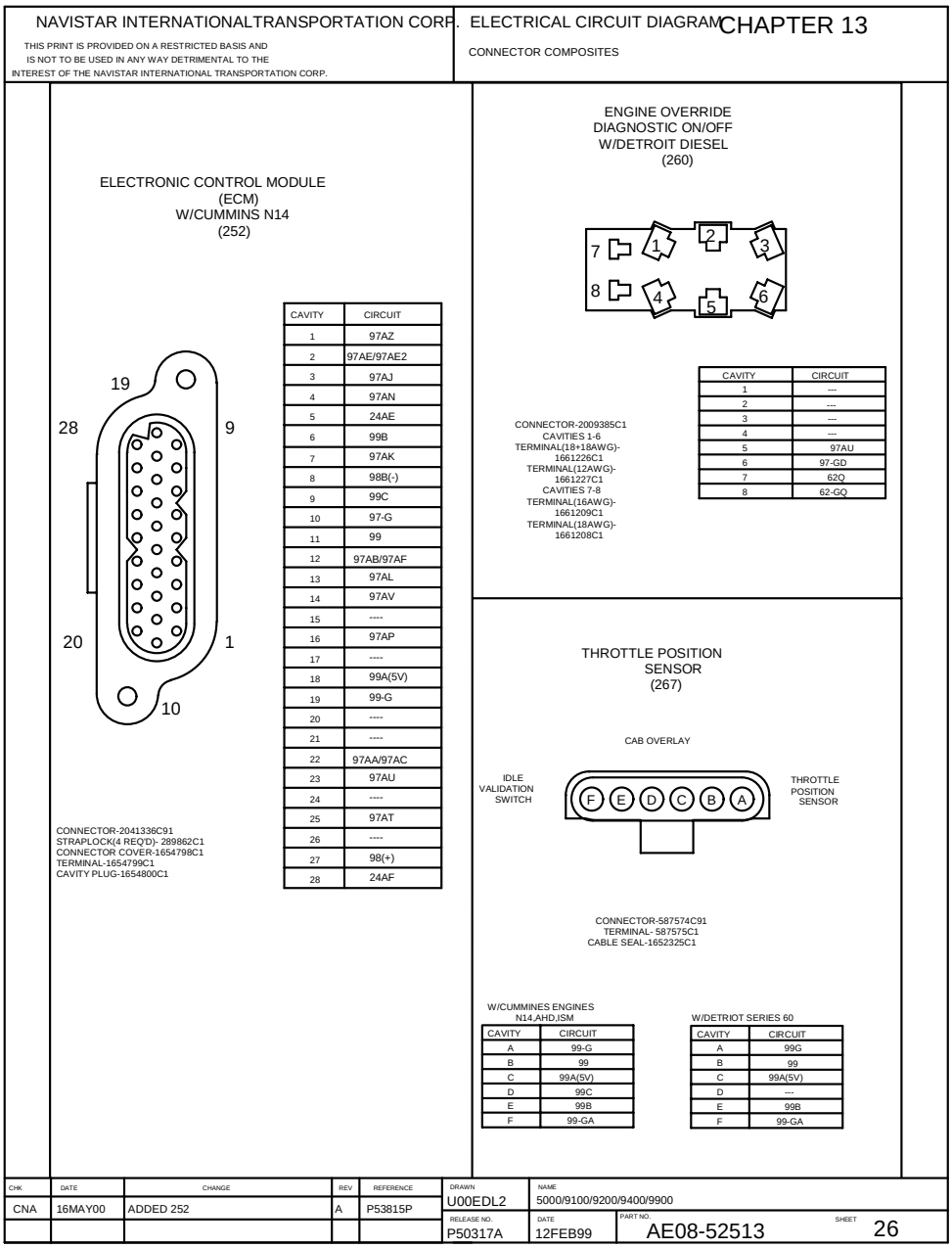


Figure 157 Connector Composites (252), (260), (267)

13.27. CONNECTOR COMPOSITES (268), (273), (275), (278), (282), (289)

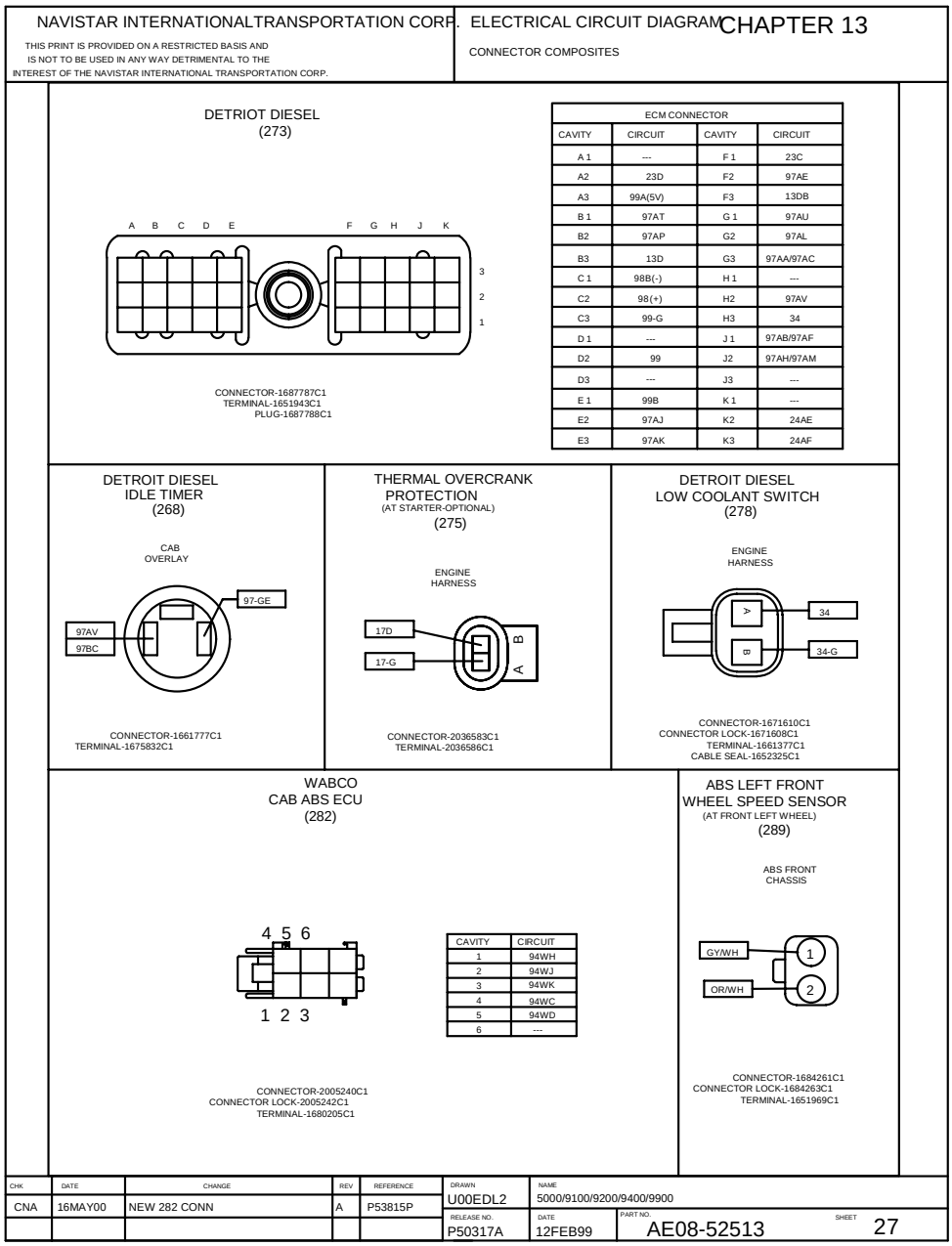


Figure 158 Connector Composites (268), (273), (275), (278), (282), (289)

13.28. CONNECTOR COMPOSITES (290), (291), (292), (293), (294), (296)

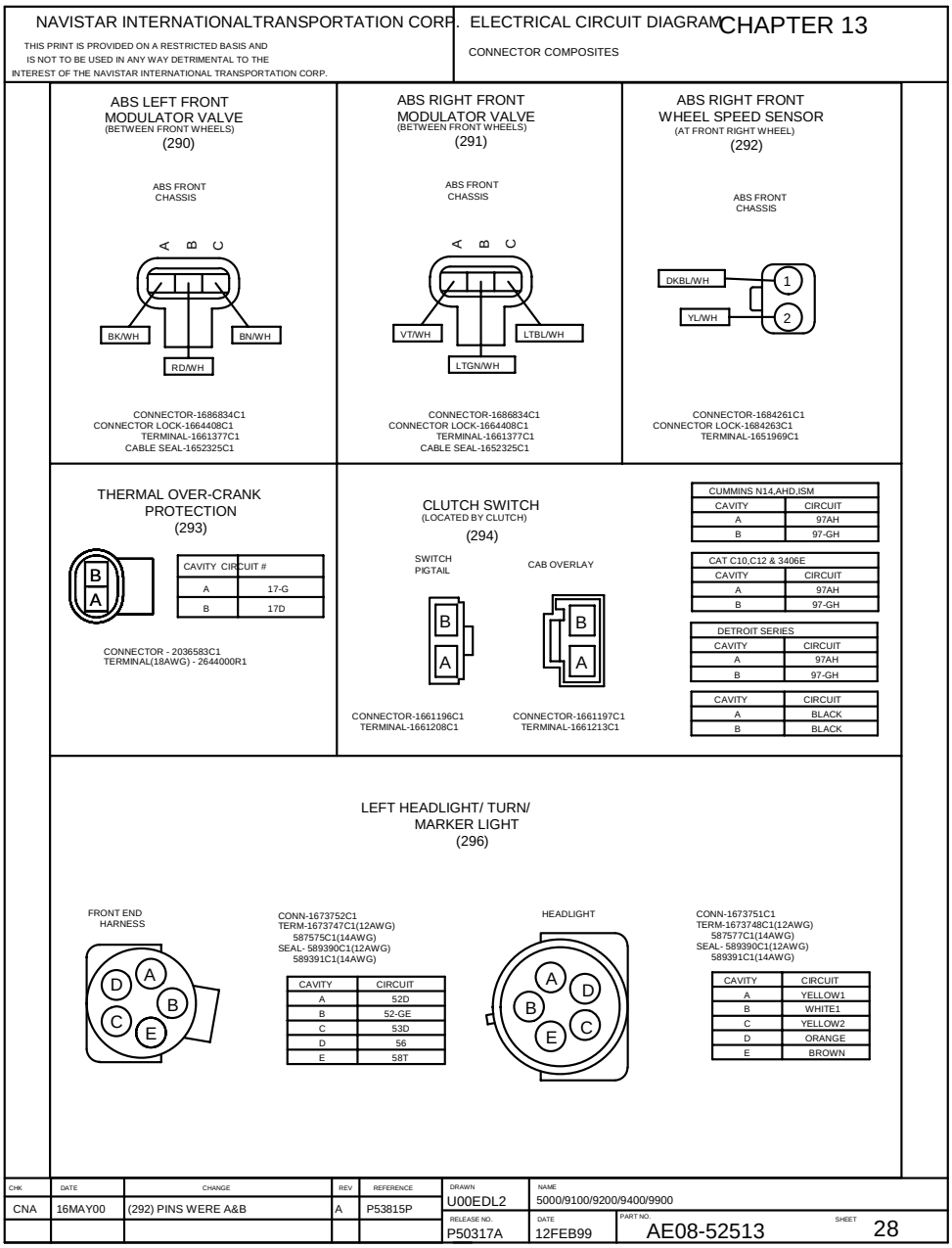


Figure 159 Connector Composites (290), (291), (292), (293), (294), (296)

13.29. CONNECTOR COMPOSITES (298), (299), (311), (312), (313), (315, 316)

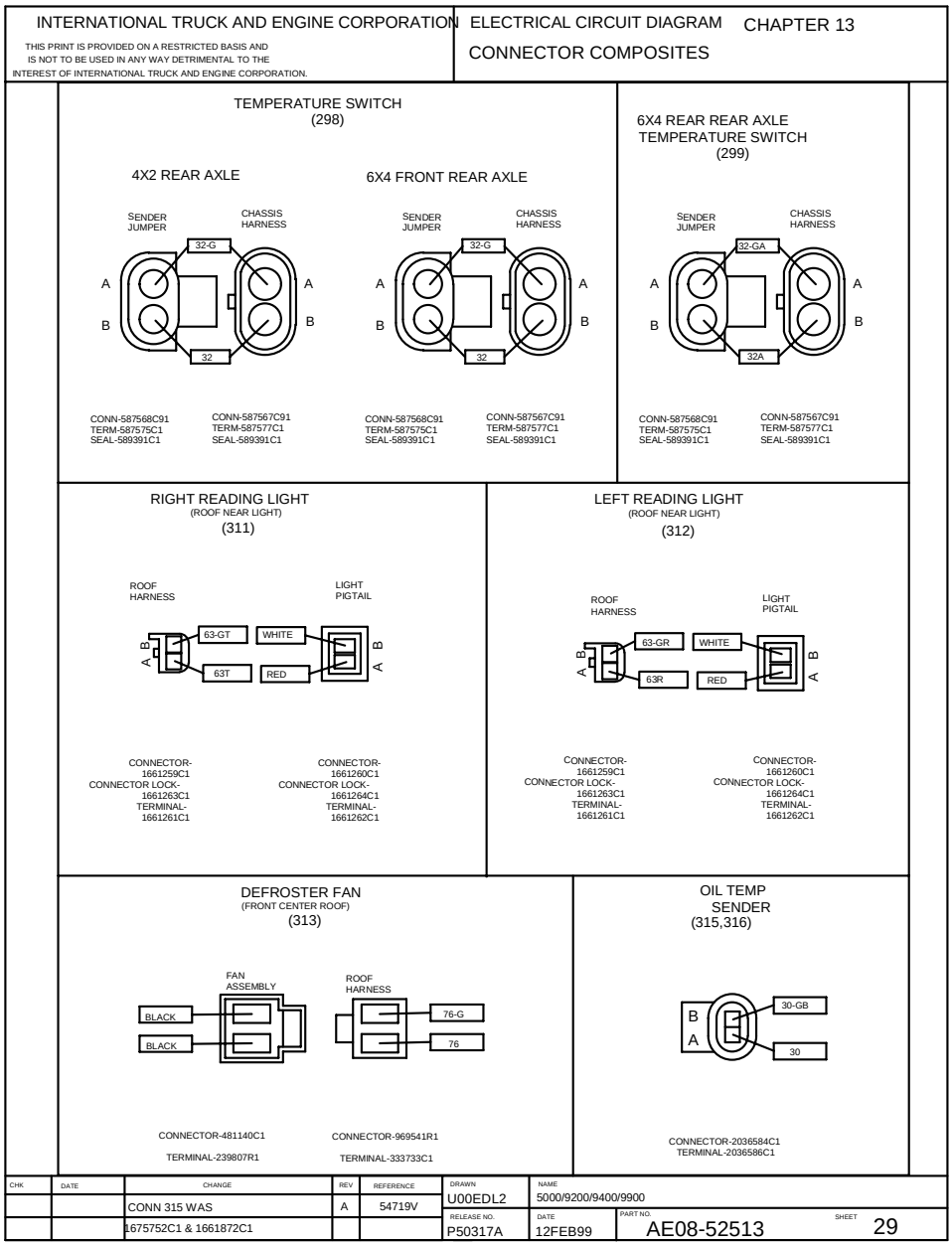


Figure 160 Connector Composites (298), (299), (311), (312), (313), (315, 316)

13.30. CONNECTOR COMPOSITES (316), (318), (320), (321), (322), (323)

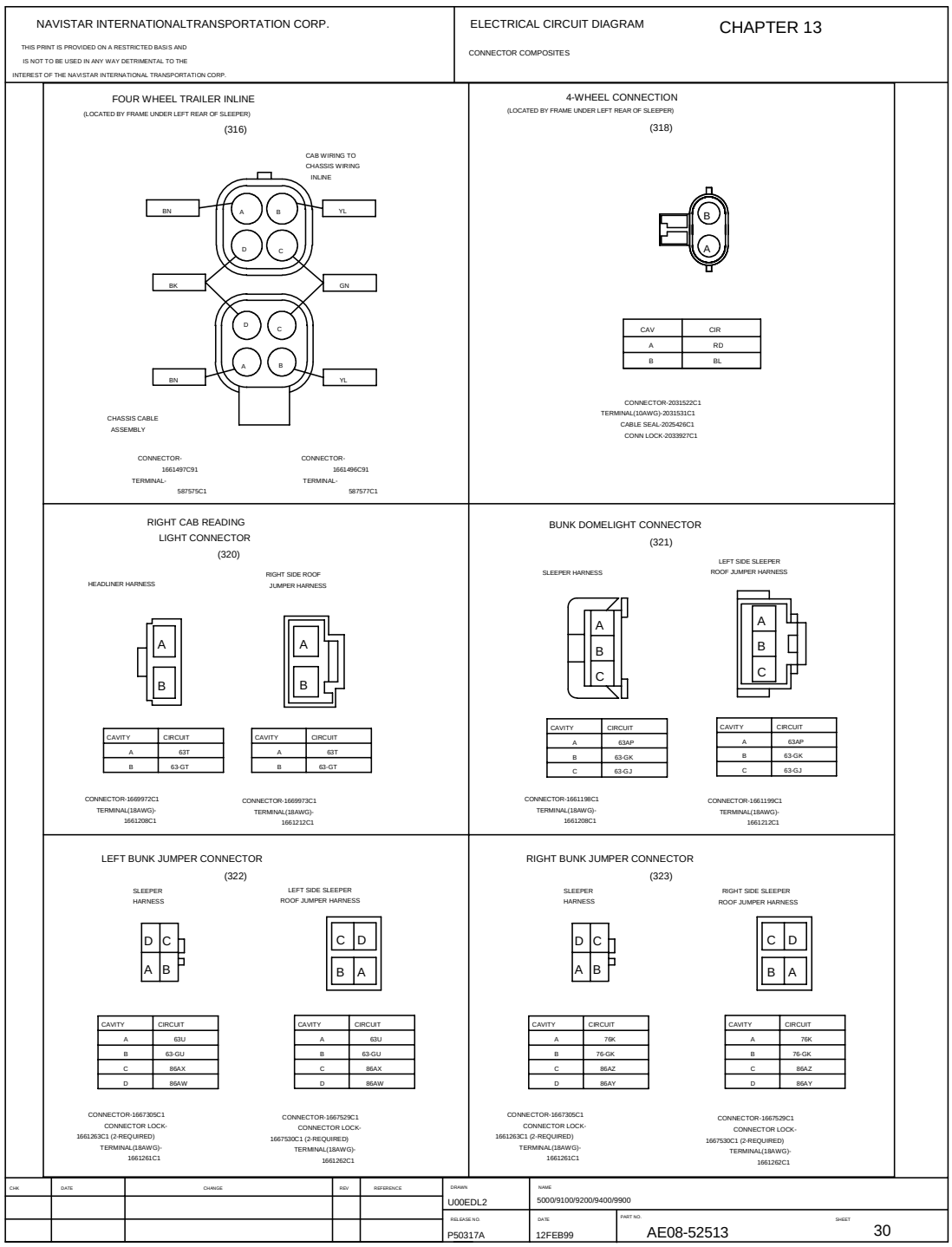


Figure 161 Connector Composites (316), (318), (320), (321), (322), (323)

13.31. CONNECTOR COMPOSITES (325), (345), (350), (351), (352), (353), (354)

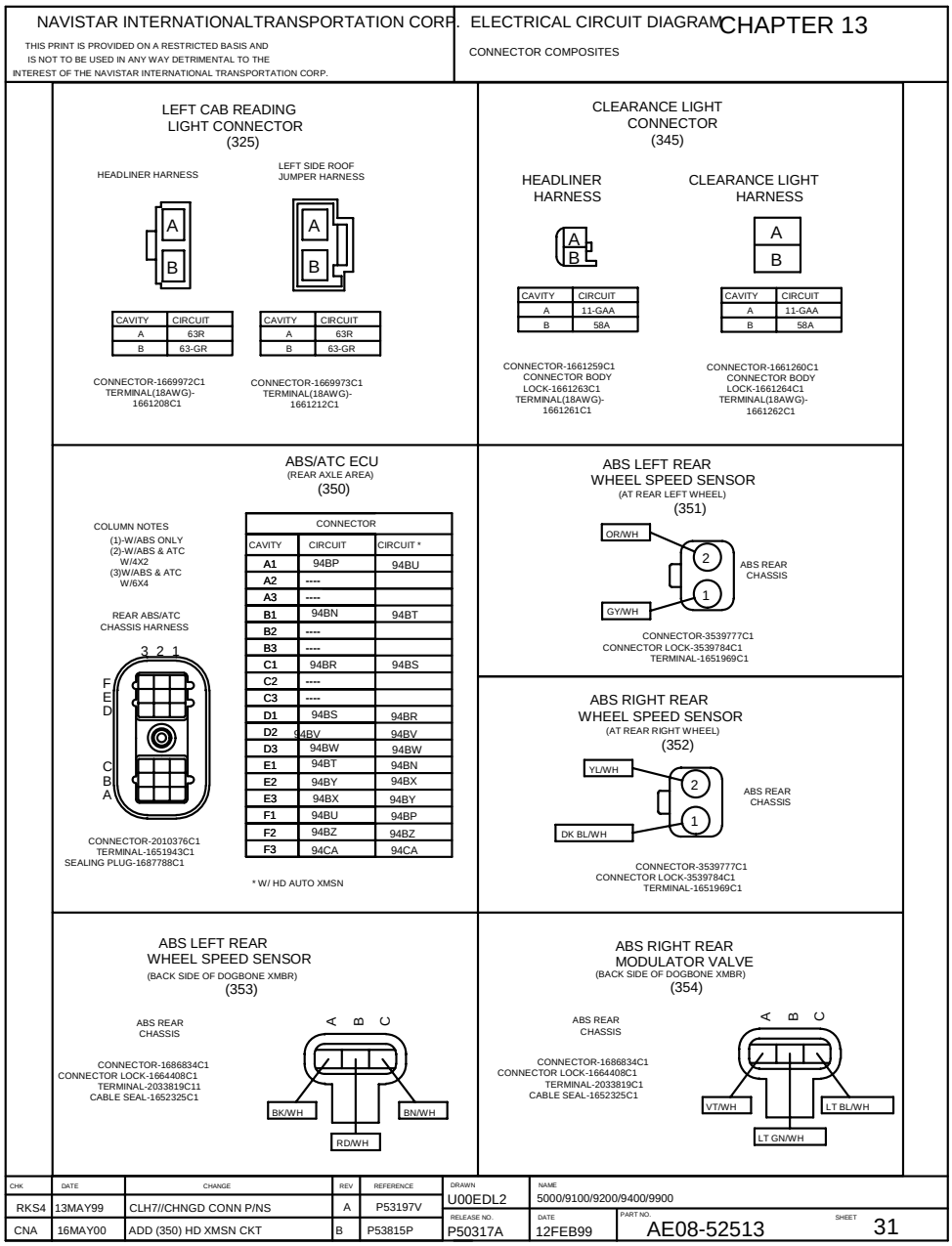


Figure 162 Connector Composites (325), (345), (350), (351), (352), (353), (354)

13.32. CONNECTOR COMPOSITES (355), (360), (363), (379), (393), (396)

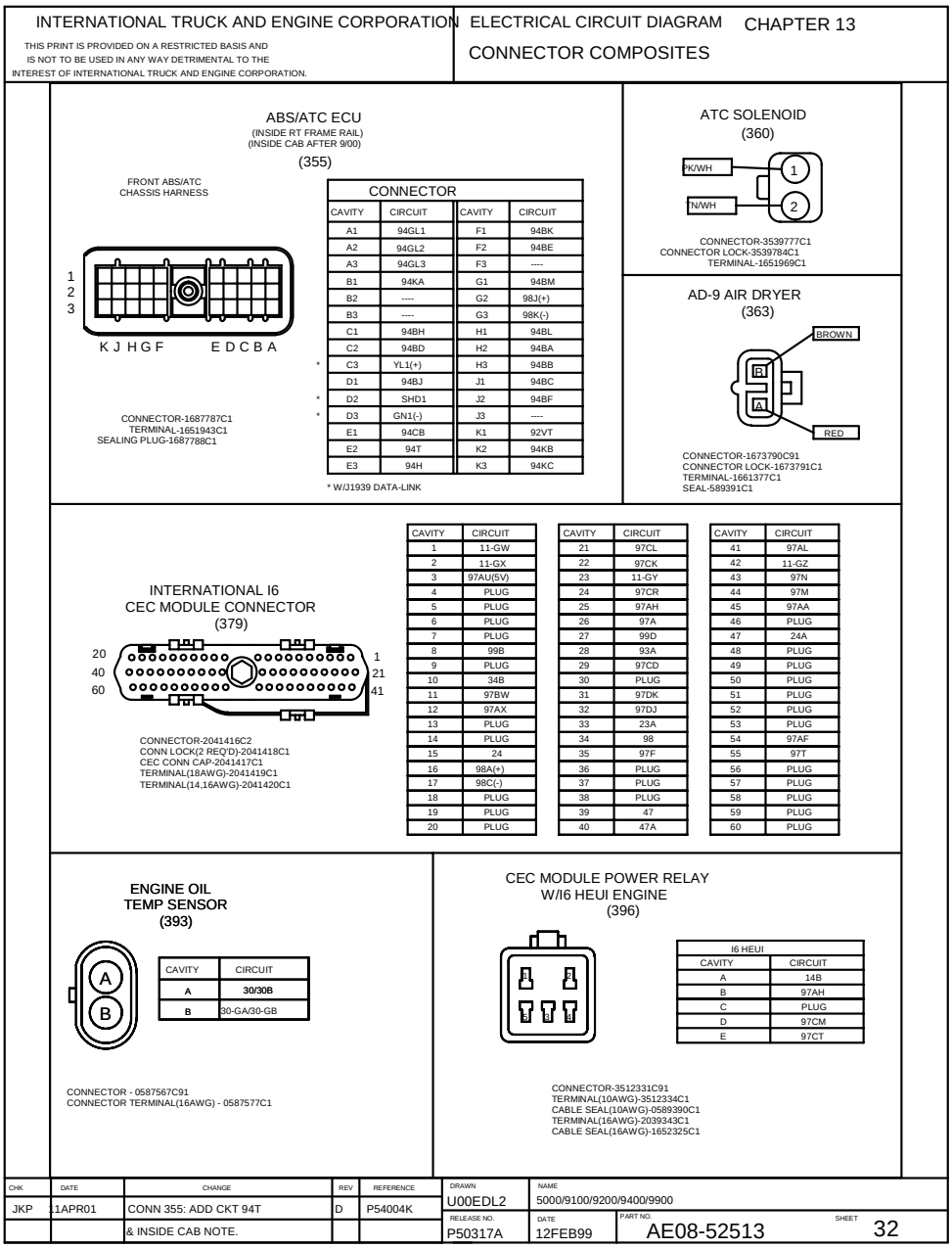


Figure 163 Connector Composites (355), (360), (363), (379), (393), (396)

13.33. CONNECTOR COMPOSITES (400), (402), (403), (404), (406), (409)

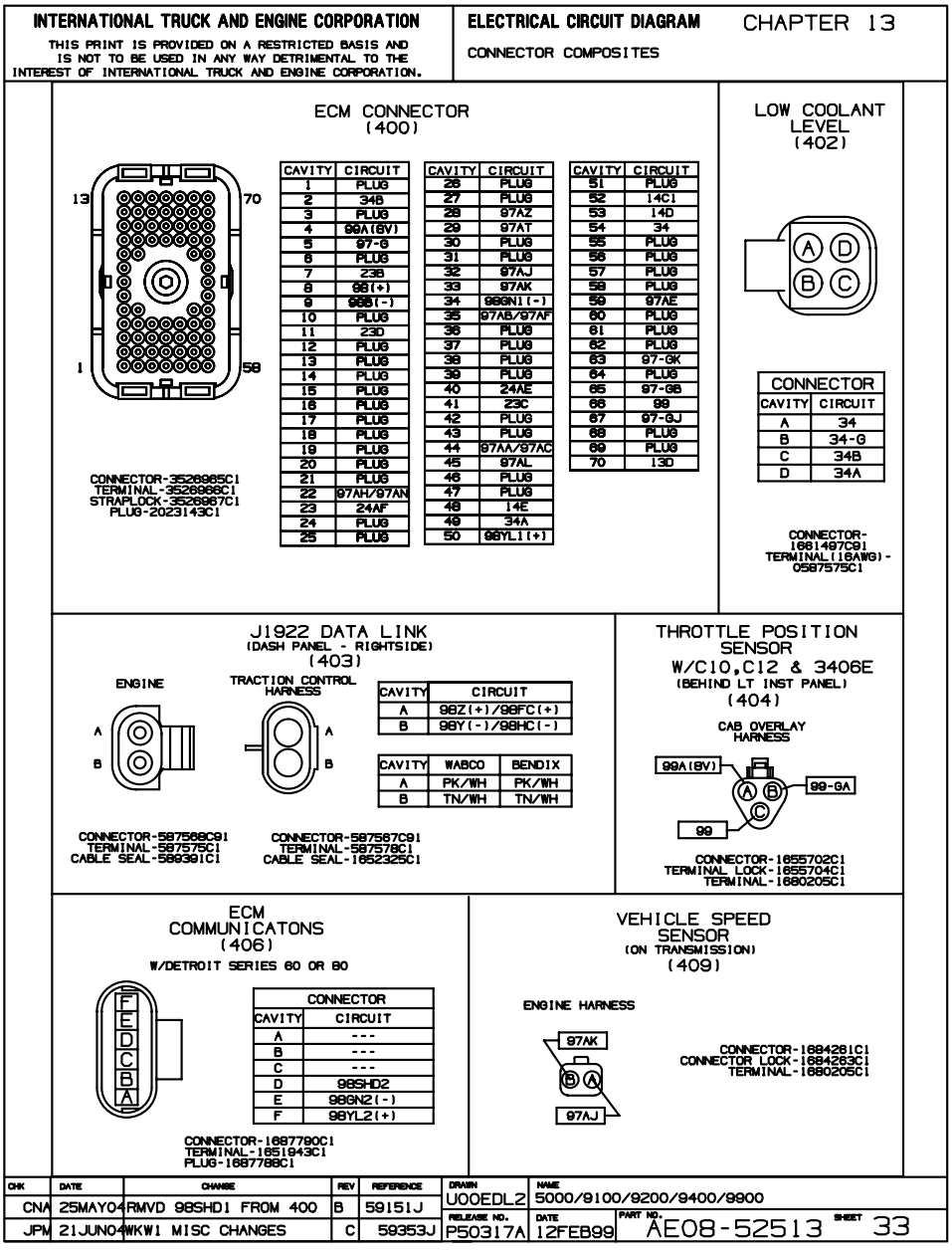


Figure 164 Connector Composites (400), (402), (403), (404), (406), (409)

13.34. CONNECTOR COMPOSITES (417), (420), (421)

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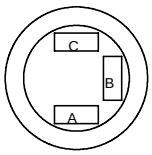
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR COMPOSITES

TWO SPEED AXLE SWITCH (417)



CAVITY	CIRCUIT
A	93
B	---
C	93A

CONNECTOR (CAE SLEEVE)-
AM-85000 #27
TERMINAL-592952C1

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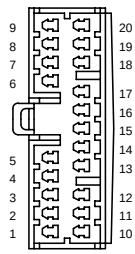
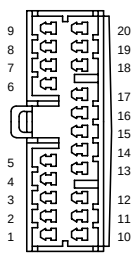
RIGHT GAUGE CLUSTER (420)



CAVITY	CIRCUIT	CAVITY	CIRCUIT
1	62B	11	---
2	62-GB	12	43
3	28C	13	40
4	11-GJ	14	94BD
5	36S(+)	15	94E
6	36S(-)	16	36L
7	36C(+)	17	---
8	36C(-)	18	31
9	44	19	32A
10	38	20	32

GREY CONNECTOR-2024509C1
TERMINAL(18AWG)-2018639C1

SPEEDOMETER/TACHOMETER MODULE (421)



CAVITY	CIRCUIT	CAVITY	CIRCUIT
1	62D	11	35-G
2	62-GD	12	35A
3	28B	13	48A
4	11-GL	14	48B
5	47/48(+)	15	36
6	47/48(-)	16	29
7	47A	17	93B
8	47B	18	40C
9	14G	19	36L
10	35	20	52J

WHITE CONNECTOR-2018588C1
TERMINAL(18AWG)-2018639C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
					U00EDL2	5000/9100/9200/9400/9900
					RELEASE NO. P50317A	DATE 12FEB99

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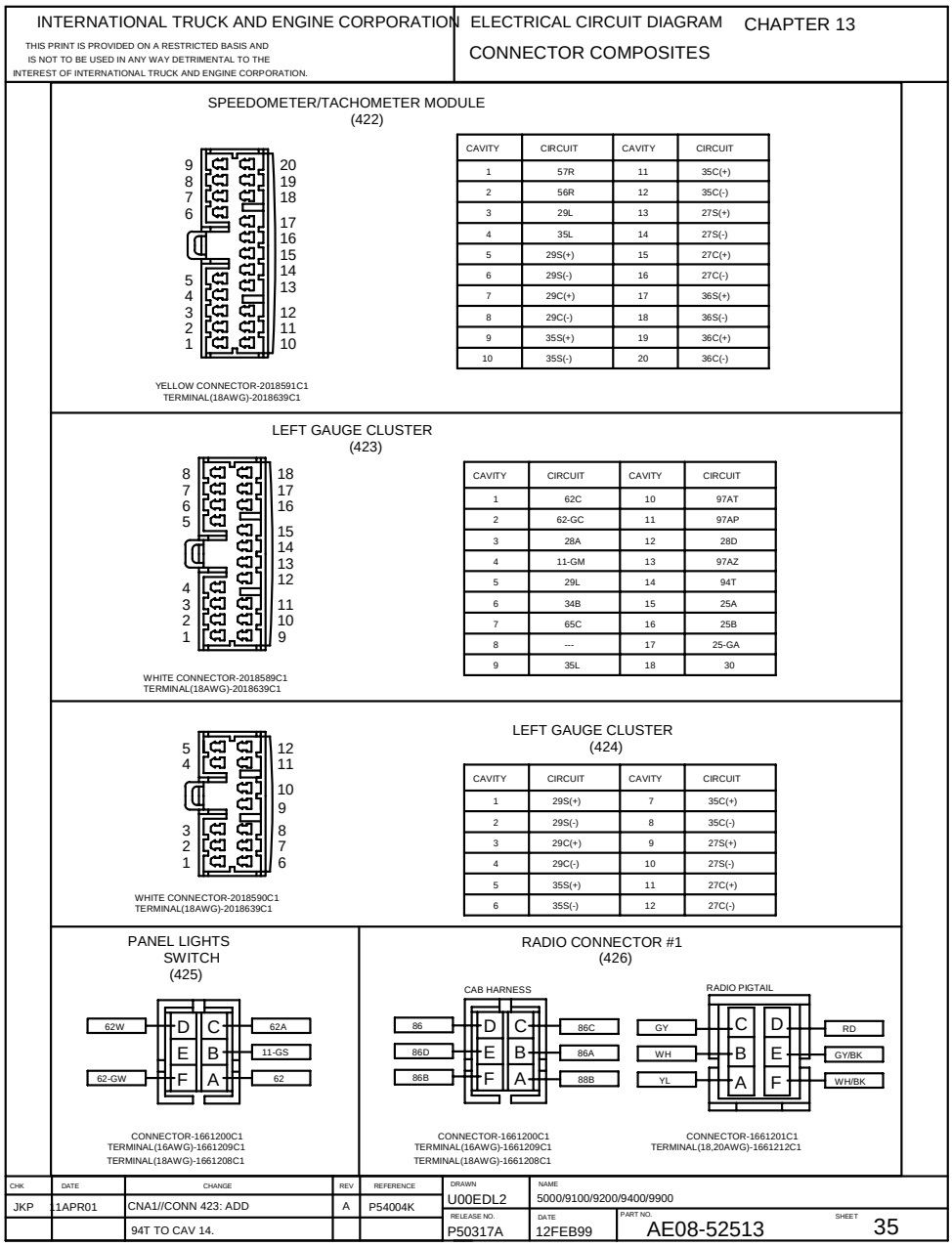
Figure 165 Connector Composites (417), (420), (421)

13.35. CONNECTOR COMPOSITES (422), (423), (424), (425), (426)



CAVITY	CIRCUIT	CAVITY	CIRCUIT
1	57R	11	35C(+)
2	56R	12	35C(-)
3	29L	13	27S(+)
4	35L	14	27S(-)
5	29S(+)	15	27C(+)
6	29S(-)	16	27C(-)
7	29C(+)	17	36S(+)
8	29C(-)	18	36S(-)
9	35S(+)	19	36C(+)
10	35S(-)	20	36C(-)

CAVITY	CIRCUIT	CAVITY	CIRCUIT
1	62C	10	97AT
2	62-GC	11	97AP
3	28A	12	28D
4	11-GM	13	97AZ
5	29L	14	94T
6	34B	15	25A
7	65C	16	25B
8	---	17	25-GA
9	35L	18	30

CAVITY	CIRCUIT	CAVITY	CIRCUIT
1	29S(+)	7	35C(+)
2	29S(-)	8	35C(-)
3	29C(+)	9	27S(+)
4	29C(-)	10	27S(-)
5	35S(+)	11	27C(+)
6	35S(-)	12	27C(-)

Figure 166 Connector Composites (422), (423), (424), (425), (426)

13.36. CONNECTOR COMPOSITES (427), (428), (429), (430)

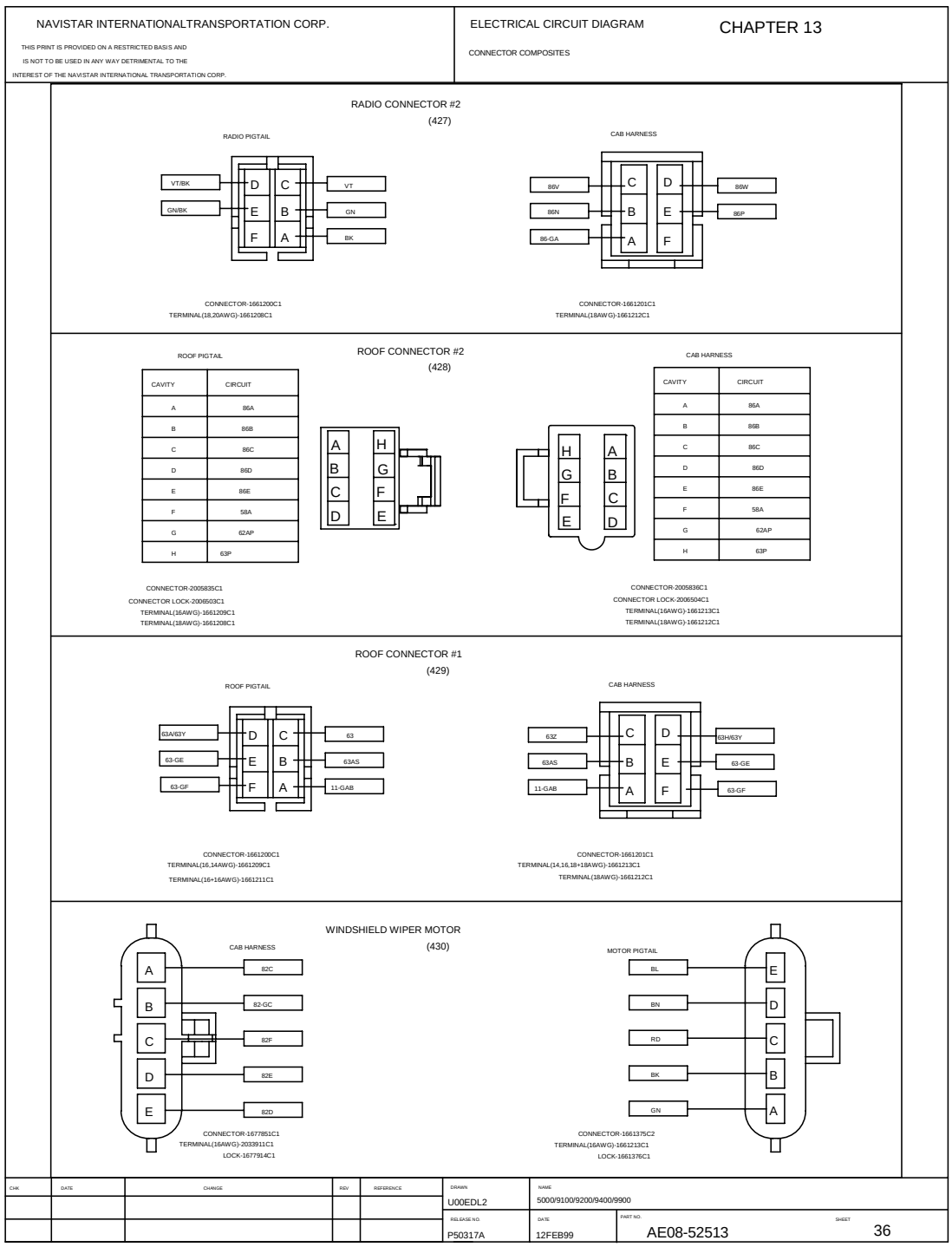


Figure 167 Connector Composites (427), (428), (429), (430)

13.37. CONNECTOR COMPOSITES (433), (434), (435)

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ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 13

CONNECTOR COMPOSITES

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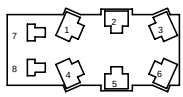


ENGINE BRAKE SELECTOR SWITCH (433)

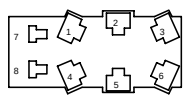
CONNECTOR-2009385C1
CAVITIES 1-6
TERMINAL(16AWG)-1661226C1
CAVITIES 7-8
TERMINAL(16AWG)-1661209C1
TERMINAL(18AWG)-1661208C1

CUMMINS AHD,ISM	
CAVITY	CIRCUIT
1	---
2	24AD
3	24AE
4	---
5	---
6	24AF/24AP
7	62L
8	62-GL

DETROIT SERIES 60	
CAVITY	CIRCUIT
1	---
2	24AD
3	24AF
4	---
5	---
6	24AE
7	62AL
8	62-GL

CUMMINS N14	
CAVITY	CIRCUIT
1	---
2	24AD
3	24AE
4	---
5	---
6	24AF
7	62L
8	62-GL

CAT C10,C12 & 3406E	
CAVITY	CIRCUIT
1	---
2	24A
3	24AF
4	---
5	---
6	24AE
7	62L
8	62-GL



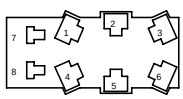
ENGINE BRAKE ON/OFF SWITCH (434)

CONNECTOR-2009385C1
CAVITIES 1-6
TERMINAL (16AWG)-1661226C1
TERMINAL (18AWG)-1661224C1
CAVITIES 7-8
TERMINAL (16AWG)-1661209C1
TERMINAL (18AWG)-1661208C1

CUMMINS	
CAVITY	CIRCUIT
1	---
2	24-G
3	24AD
4	---
5	---
6	---
7	62N
8	62-GN

DETROIT SERIES 60	
CAVITY	CIRCUIT
1	---
2	---
3	---
4	---
5	24AD
6	24-G
7	62N
8	62-GN

CAT C10,C12 & 3406E	
CAVITY	CIRCUIT
1	---
2	---
3	---
4	---
5	24A
6	24-G
7	62N
8	62-GN



CRUISE ON/OFF SWITCH (435)

CONNECTOR-2009385C1
CAVITIES 1-6
TERMINAL(16AWG)-1661226C1
TERMINAL(18AWG)-1661224C1
CAVITIES 7-8
TERMINAL(16AWG)-1661209C1
TERMINAL(18AWG)-1661208C1

CUMMINS	
CAVITY	CIRCUIT
1	---
2	---
3	---
4	---
5	97-GC
6	97AE
7	62J
8	62-GJ

CAT 3406E,C10 &C12	
CAVITY	CIRCUIT
1	---
2	---
3	---
4	---
5	97AE
6	97-GC
7	62J
8	62-GJ

DETROIT SERIES 60	
CAVITY	CIRCUIT
1	---
2	---
3	---
4	---
5	97AE
6	97-GC
7	62J
8	62-GJ

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
					U00EDL2	5000/9100/9200/9400/9900
					RELEASE NO. P50317A	DATE 12FEB99

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Figure 168 Connector Composites (433), (434), (435)

13.38. CONNECTOR COMPOSITES (436), (437), (440), (441), (442)

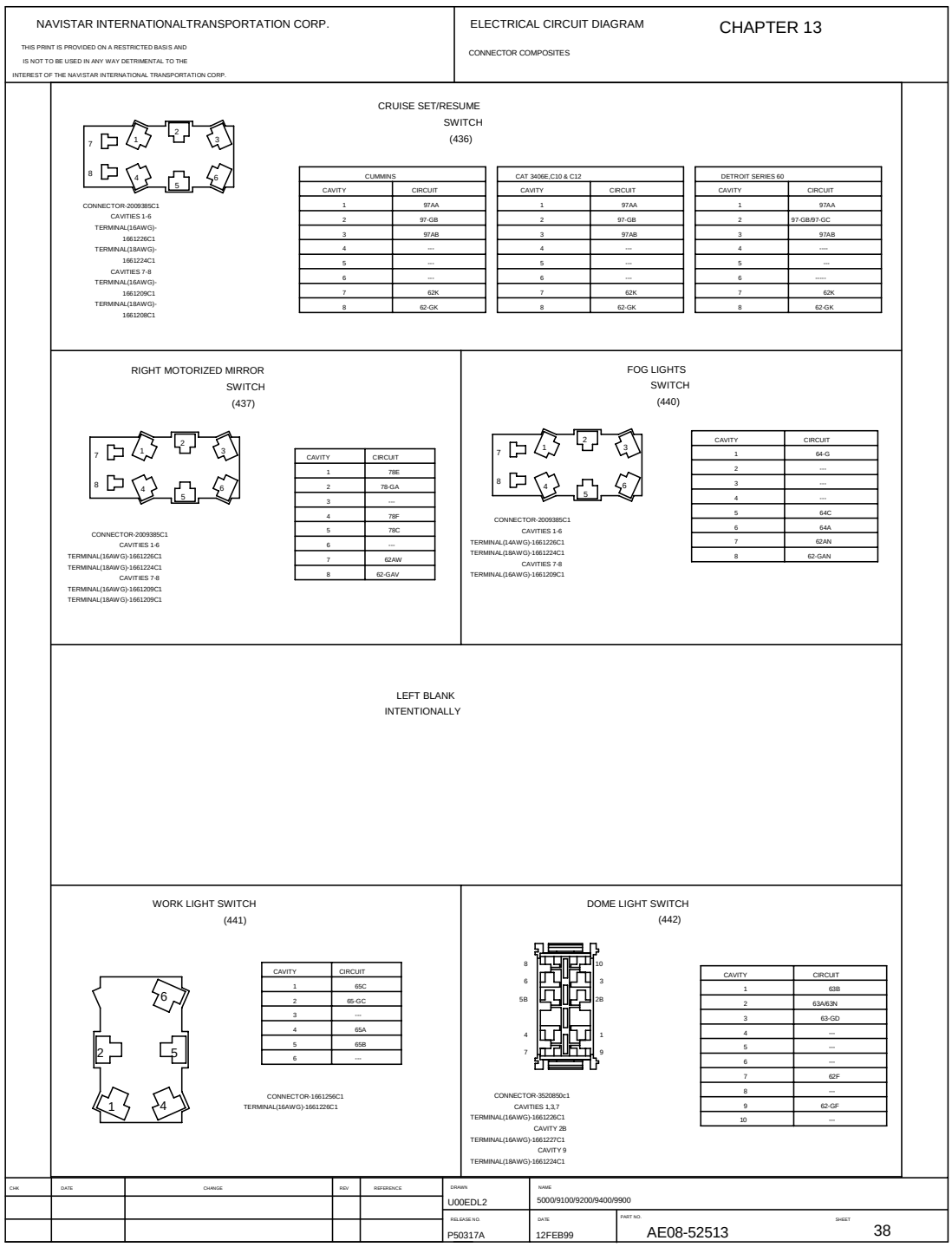

Figure 169 Connector Composites (436), (437), (440), (441), (442)

13.39. CONNECTOR COMPOSITES (453), (454)

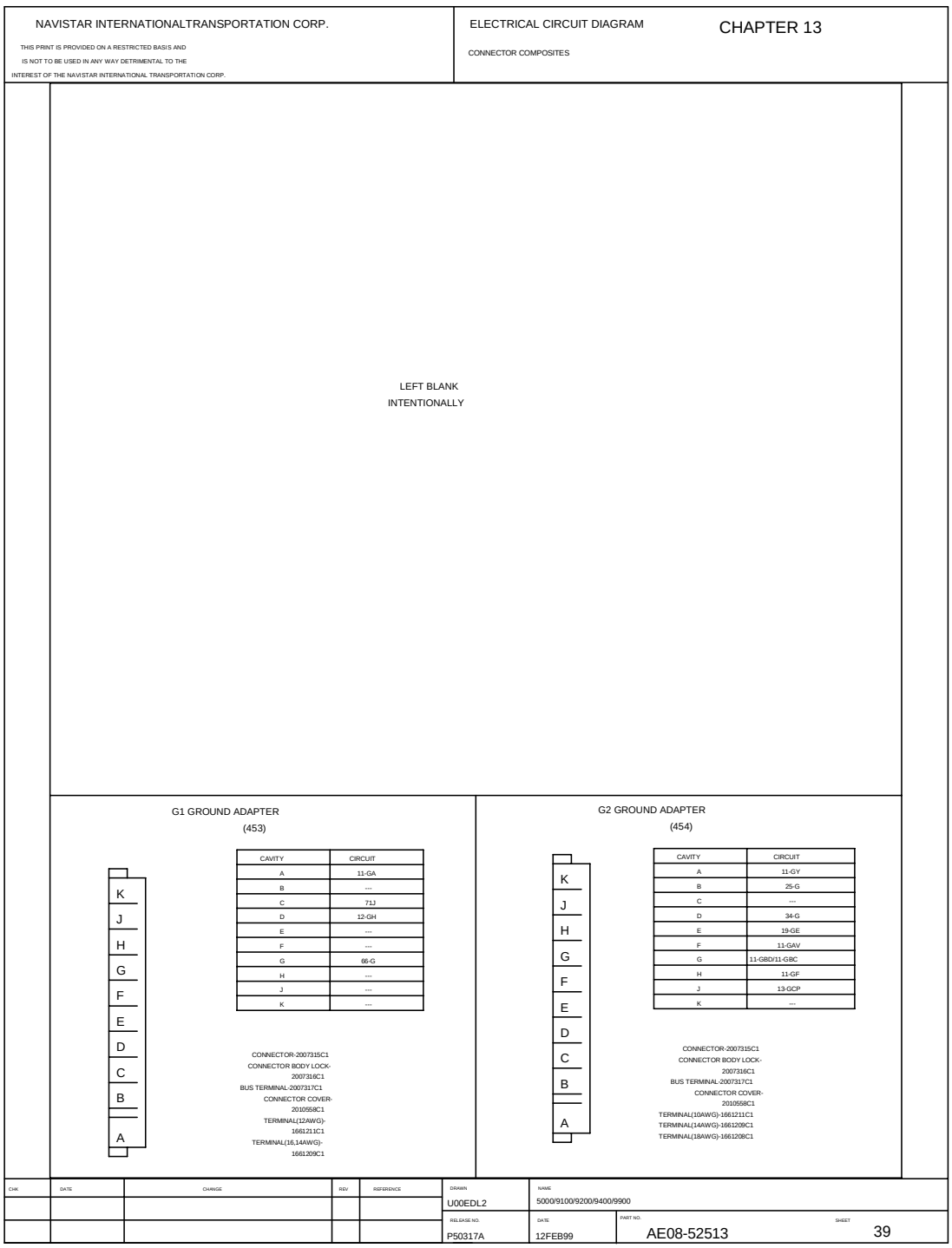

Figure 170 Connector Composites (453), (454)

13.40. CONNECTOR COMPOSITES (455), (456), (460), (462)

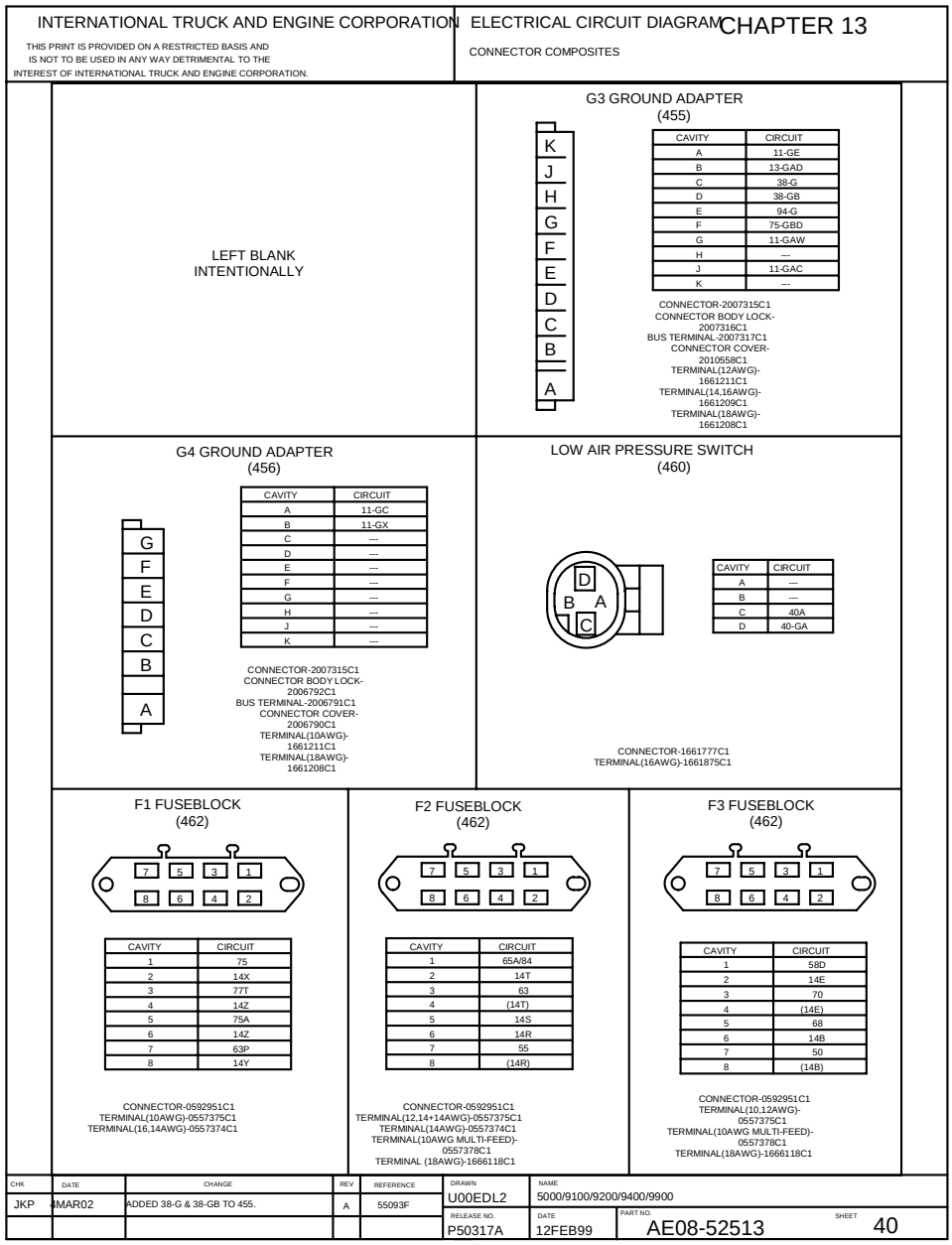

Figure 171 Connector Composites (455), (456), (460), (462)

13.41. CONNECTOR COMPOSITES (462), (463)

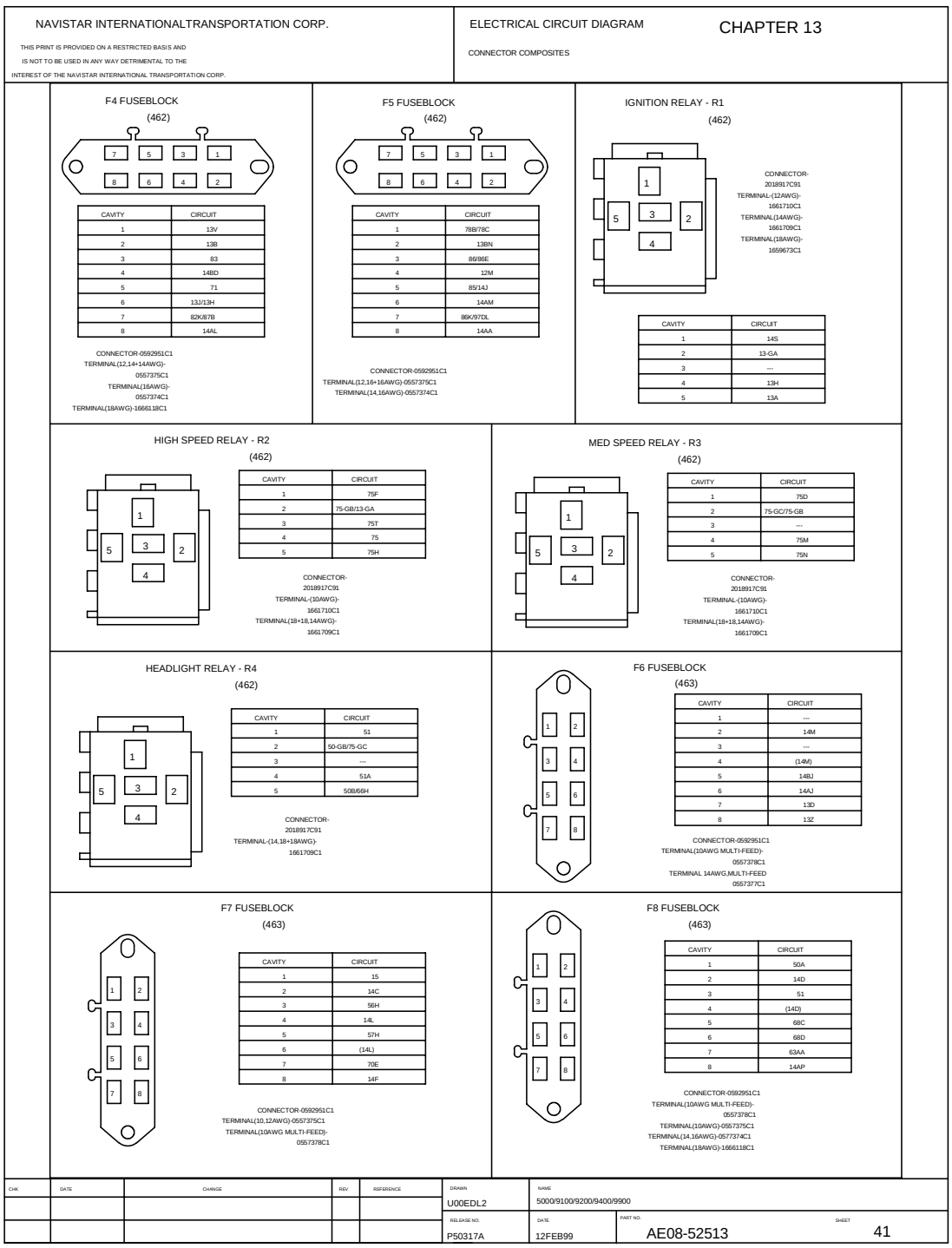

Figure 172 Connector Composites (462), (463)

13.42. CONNECTOR COMPOSITES (463)

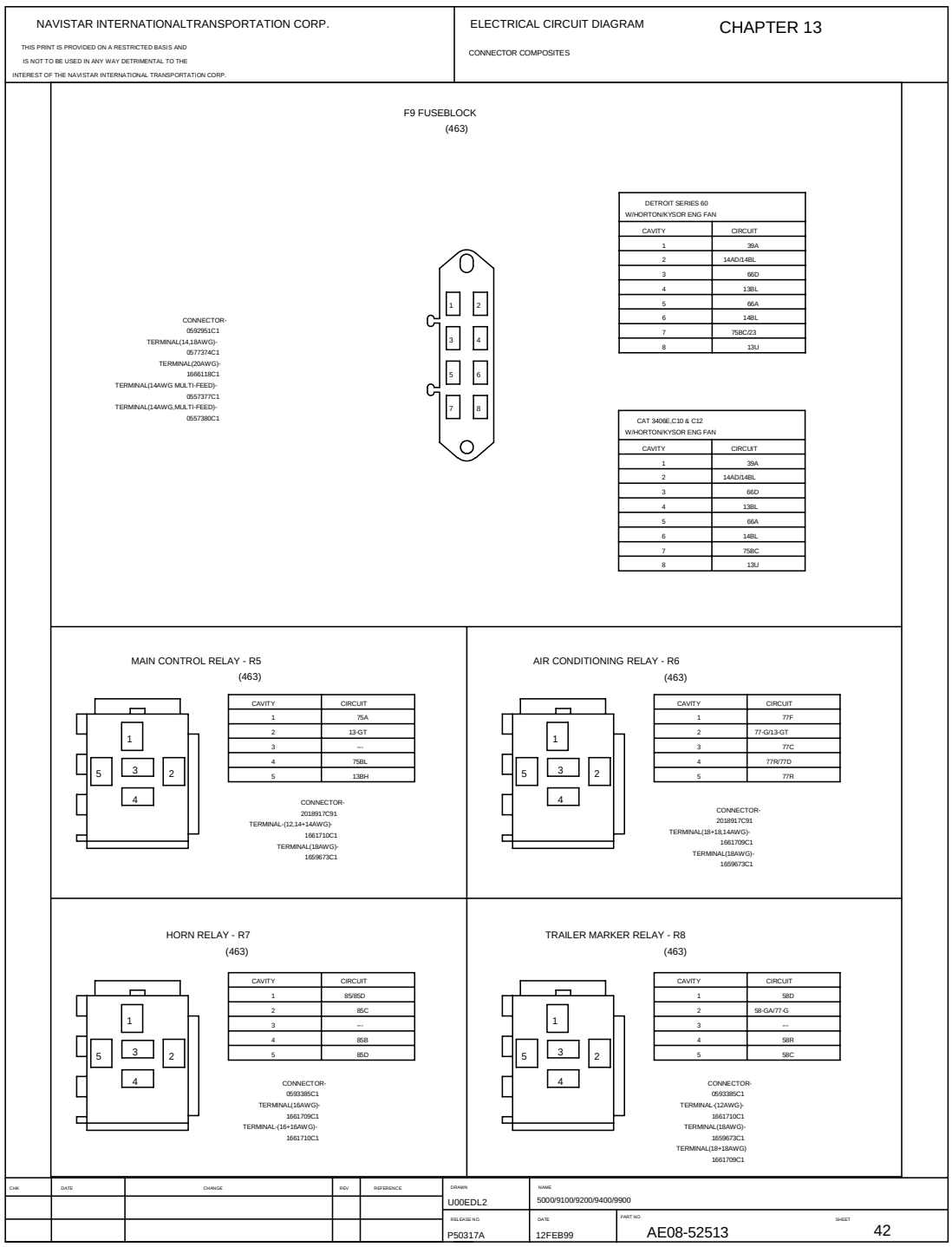

Figure 173 Connector Composites (463)

13.43. CONNECTOR COMPOSITES (464)

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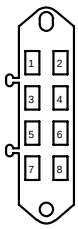
CONNECTOR COMPOSITES

F10-F14 FUSEBLOCK-POOL
(464)



CONNECTOR-0592951C1
TERMINAL(10,12AWG)-0557375C1
TERMINAL(14,16AWG)-0577374C1
TERMINAL(18AWG)-1666118C1

* FUSE LOCATIONS VARY - CHECK INSIDE POWER DISTRIBUTION CENTER FOR ACTUAL LOCATION.

STANDARD (F10)	
CAVITY	CIRCUIT
1	94AH
2	14CP
3	12BA
4	12F
5	24AC/75DA
6	13DA
7	75DB
8	13DC

BENDIX ABS/ATC (F10)	
CAVITY	CIRCUIT
1	94
2	14AE
3	94P
4	14P
5	---
6	---
7	---
8	---

WABCO ABS/ATC (F11)	
CAVITY	CIRCUIT
1	94K
2	94A
3	94K1
4	(94A)
5	---
6	---
7	---
8	---

PRO-SLEEPER (F11)	
CAVITY	CIRCUIT
1	75AW
2	14AU
3	75AX
4	(14AU)
5	14AY
6	14AW
7	14AX
8	14AV

CLOCK (F11)	
CAVITY	CIRCUIT
1	88F
2	14N
3	---
4	---
5	---
6	---
7	---
8	---

ETHER START (F11)	
CAVITY	CIRCUIT
1	21H
2	13L
3	---
4	---
5	---
6	---
7	---
8	---

POWER LOCKS (F11)	
CAVITY	CIRCUIT
1	81
2	14FA
3	---
4	---
5	---
6	---
7	---
8	---

FOG LIGHTS (F11)	
CAVITY	CIRCUIT
1	64
2	12P
3	---
4	---
5	---
6	---
7	---
8	---

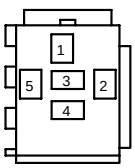
SPARE SWITCH (F11)	
CAVITY	CIRCUIT
1	14AS
2	14AR
3	---
4	---
5	---
6	---
7	---
8	---

MERITOR G XMSN (F11)	
CAVITY	CIRCUIT
1	92PF
2	13Y
3	---
4	---
5	---
6	---
7	---
8	---

EATON AUTOSHIFT(F10)	
CAVITY	CIRCUIT
1	13U
2	92U
3	---
4	---
5	---
6	---
7	---
8	---

APADS (F10)	
CAVITY	CIRCUIT
1	77AC
2	14BA
3	77AB
4	77AA
5	---
6	---
7	---
8	---

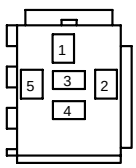
TRAILER TAIL RELAY - R9
(464)



CAVITY	CIRCUIT
1	68
2	58-G
3	---
4	68E
5	58P

CONNECTOR-0593385C1
TERMINAL-(10AWG)-1661710C1
TERMINAL(18AWG)-1659673C1

TRAILER STOP LIGHT RELAY - R10
(464)



CAVITY	CIRCUIT
1	70E
2	70-G/58-G
3	---
4	70C
5	70D

CONNECTOR-0593385C1
TERMINAL-(10AWG)-1661710C1
TERMINAL(14,18+18AWG)-1661709C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA	16MAY00	ADDED CHARTS TO 464	A	P53815P

DRAWN U00EDL2 | NAME 5000/9100/9200/9400/9900
RELEASE NO. P50317A | DATE 12FEB99 | PART NO. AE08-52513 | SHEET 43

Figure 174 Connector Composites (464)

13.44. CONNECTOR COMPOSITES (464), (465), (466), (468), (470), (1000)

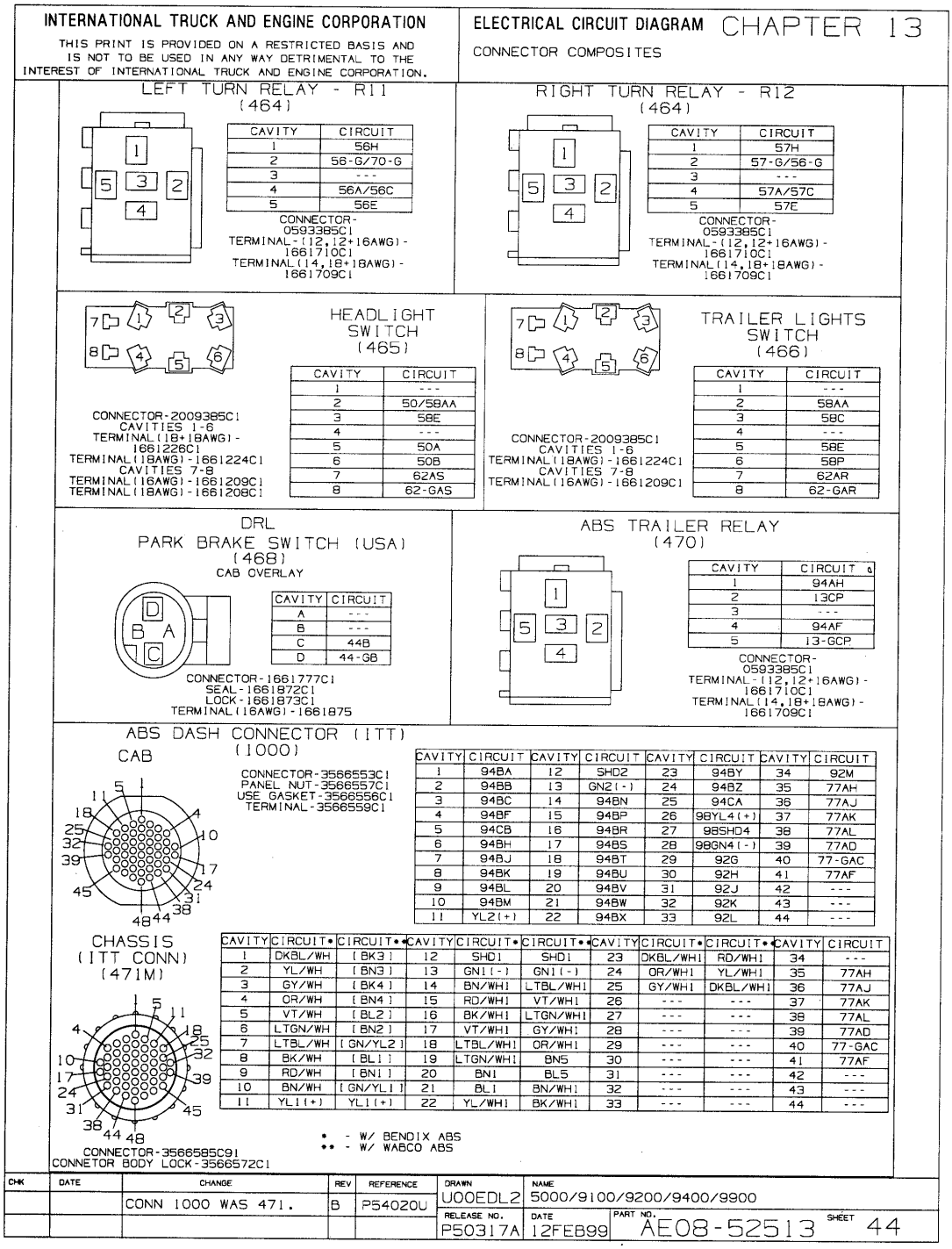


Figure 175 Connector Composites (464), (465), (466), (468), (470), (1000)

13.45. CONNECTOR COMPOSITES (474), (480), (481), (482), (483), (489)

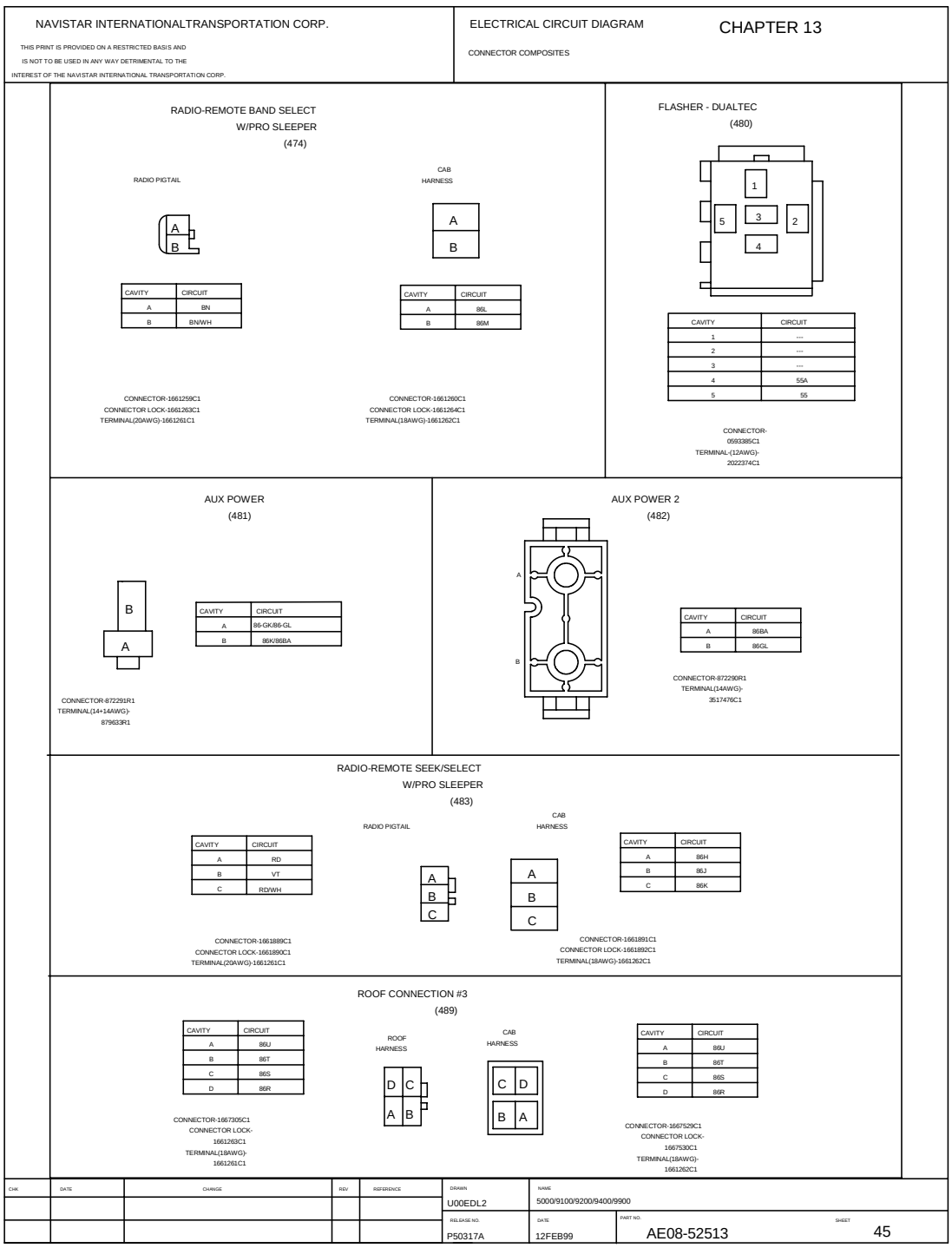


Figure 176 Connector Composites (474), (480), (481), (482), (483), (489)

13.46. CONNECTOR COMPOSITES (491), (492), (494), (495), (497), (498), (499), (501)

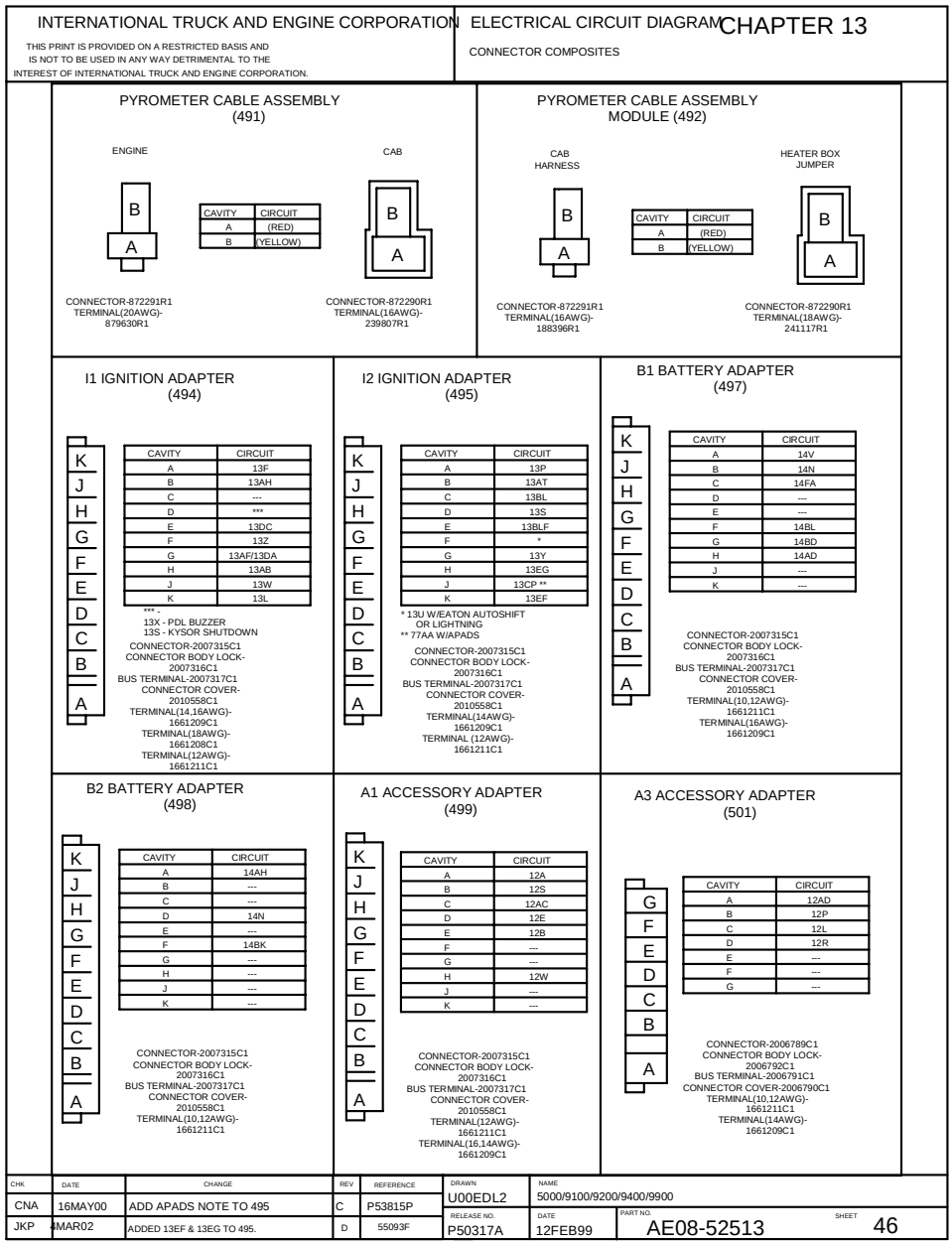
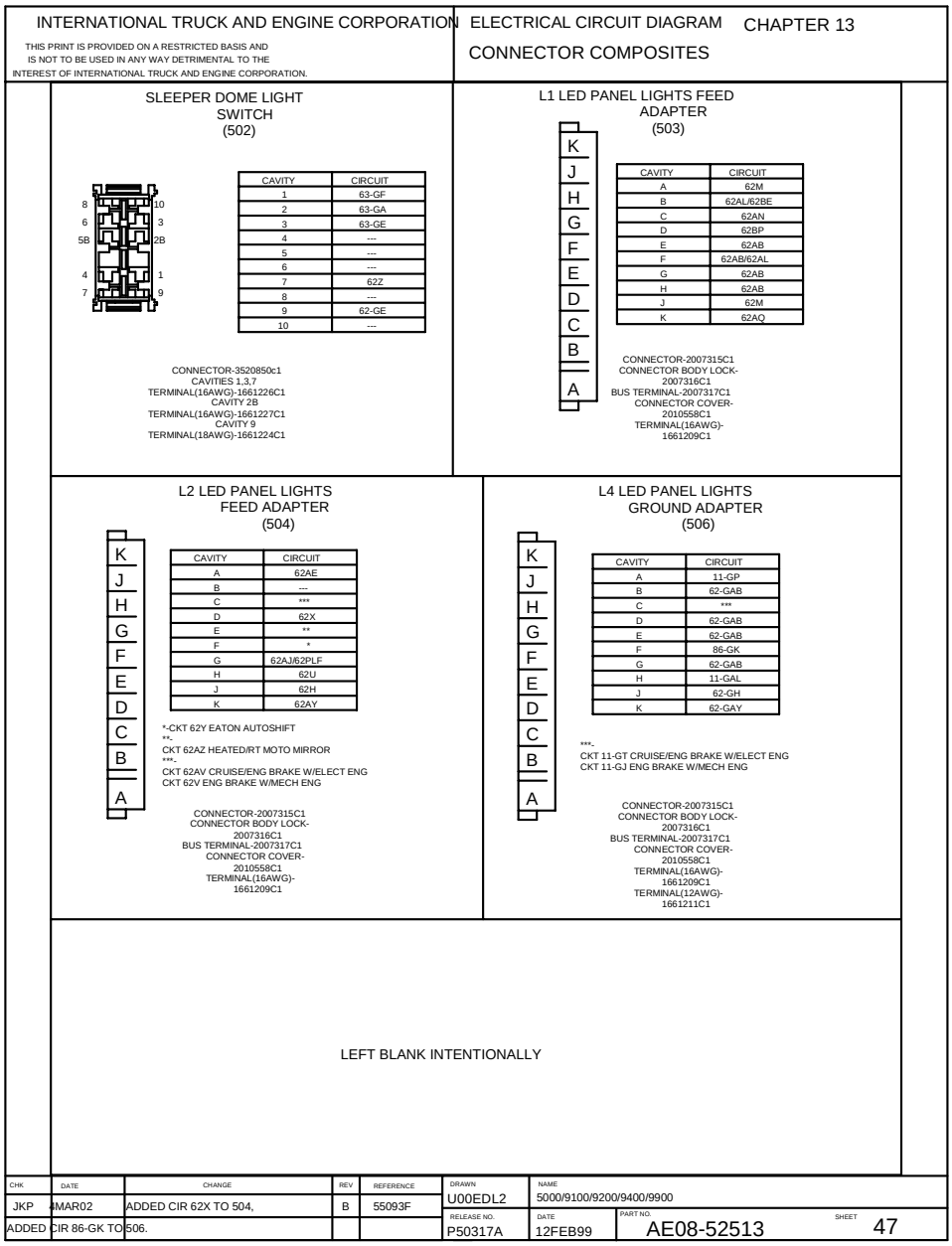


Figure 177 Connector Composites (491), (492), (494), (495), (497), (498), (499), (501)

13.47. CONNECTOR COMPOSITES (502), (503), (504), (506)



CAVITY	CIRCUIT
1	63-GF
2	63-GA
3	63-GE
4	---
5	---
6	---
7	62Z
8	---
9	62-GE
10	---

CAVITY	CIRCUIT
A	62M
B	62AL/62BE
C	62AN
D	62BP
E	62AB
F	62AB/62AL
G	62AB
H	62AB
J	62M
K	62AQ

CAVITY	CIRCUIT
A	62AE
B	---
C	***
D	62X
E	**
F	*
G	62AJ/62PLF
H	62U
J	62H
K	62AY

CAVITY	CIRCUIT
A	11-GP
B	62-GAB
C	***
D	62-GAB
E	62-GAB
F	86-GK
G	62-GAB
H	11-GAL
J	62-GH
K	62-GAY

Figure 178 Connector Composites (502), (503), (504), (506)

13.48. CONNECTOR COMPOSITES (509), (511), (512), (513), (514), (515)

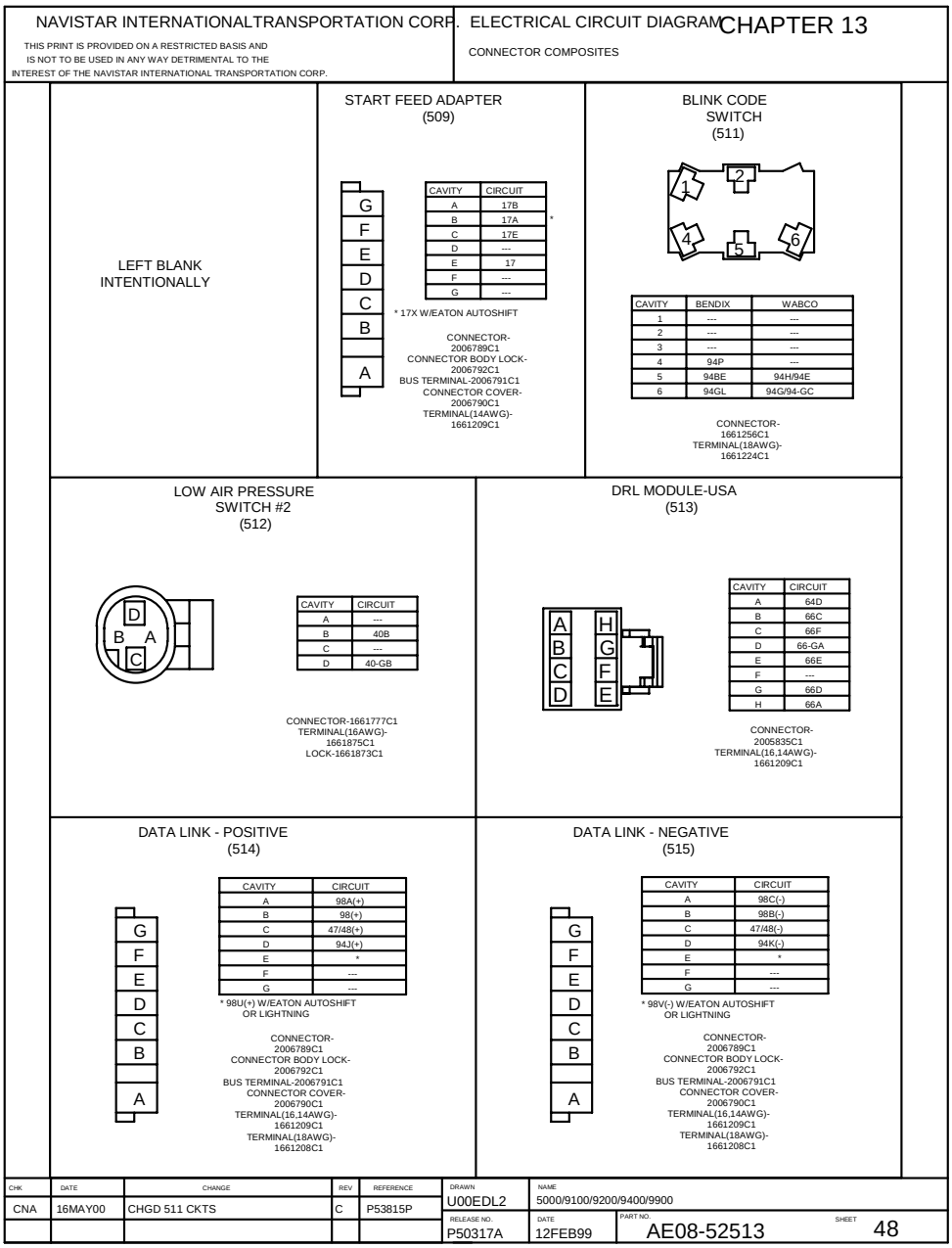


Figure 179 Connector Composites (509), (511), (512), (513), (514), (515)

13.49. CONNECTOR COMPOSITES (517), (520), (521), (522), (523), (524), (525), (526)

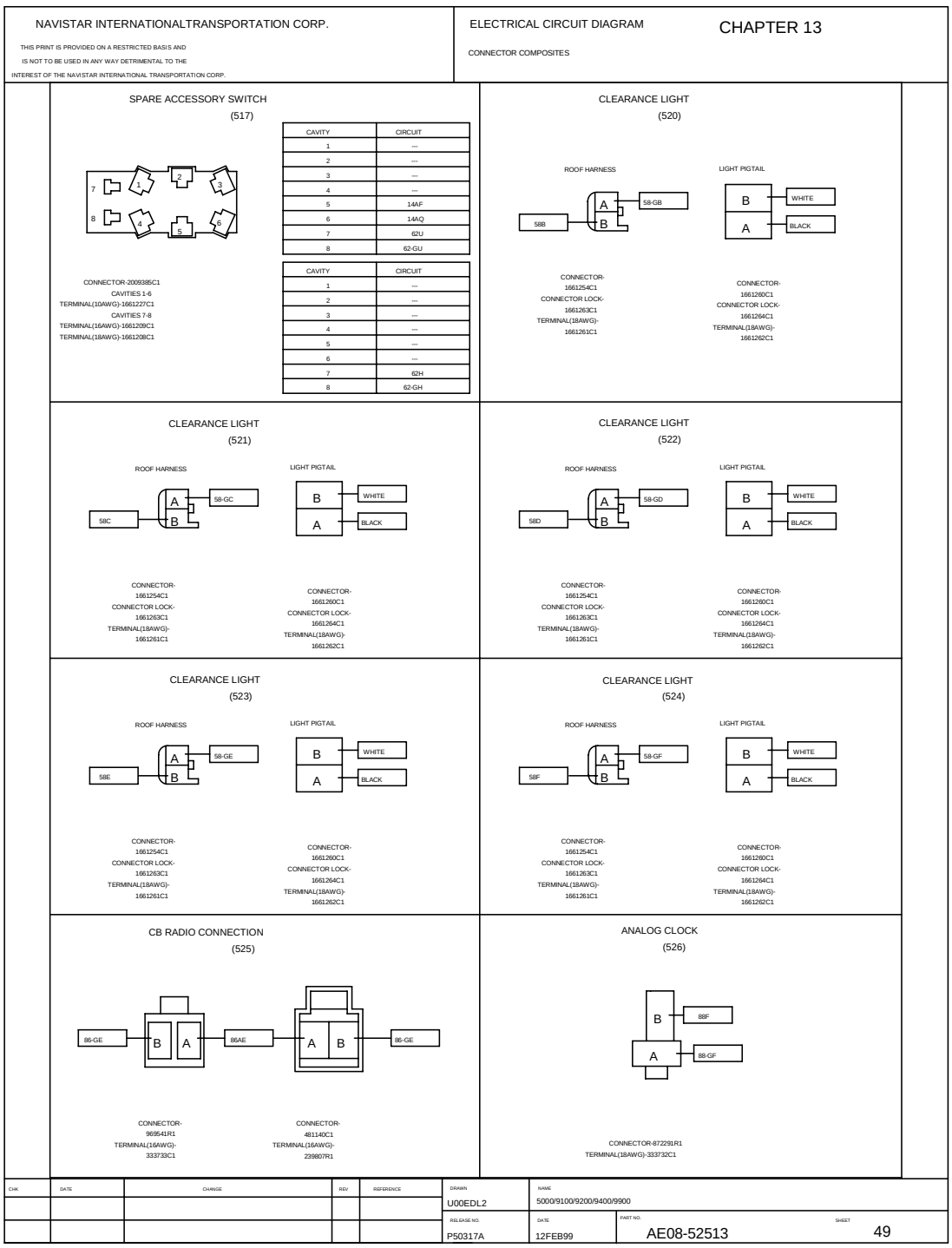


Figure 180 Connector Composites (517), (520), (521), (522), (523), (524), (525), (526)

13.50. CONNECTOR COMPOSITES (528), (529), (530), (531), (560), (562), (574)

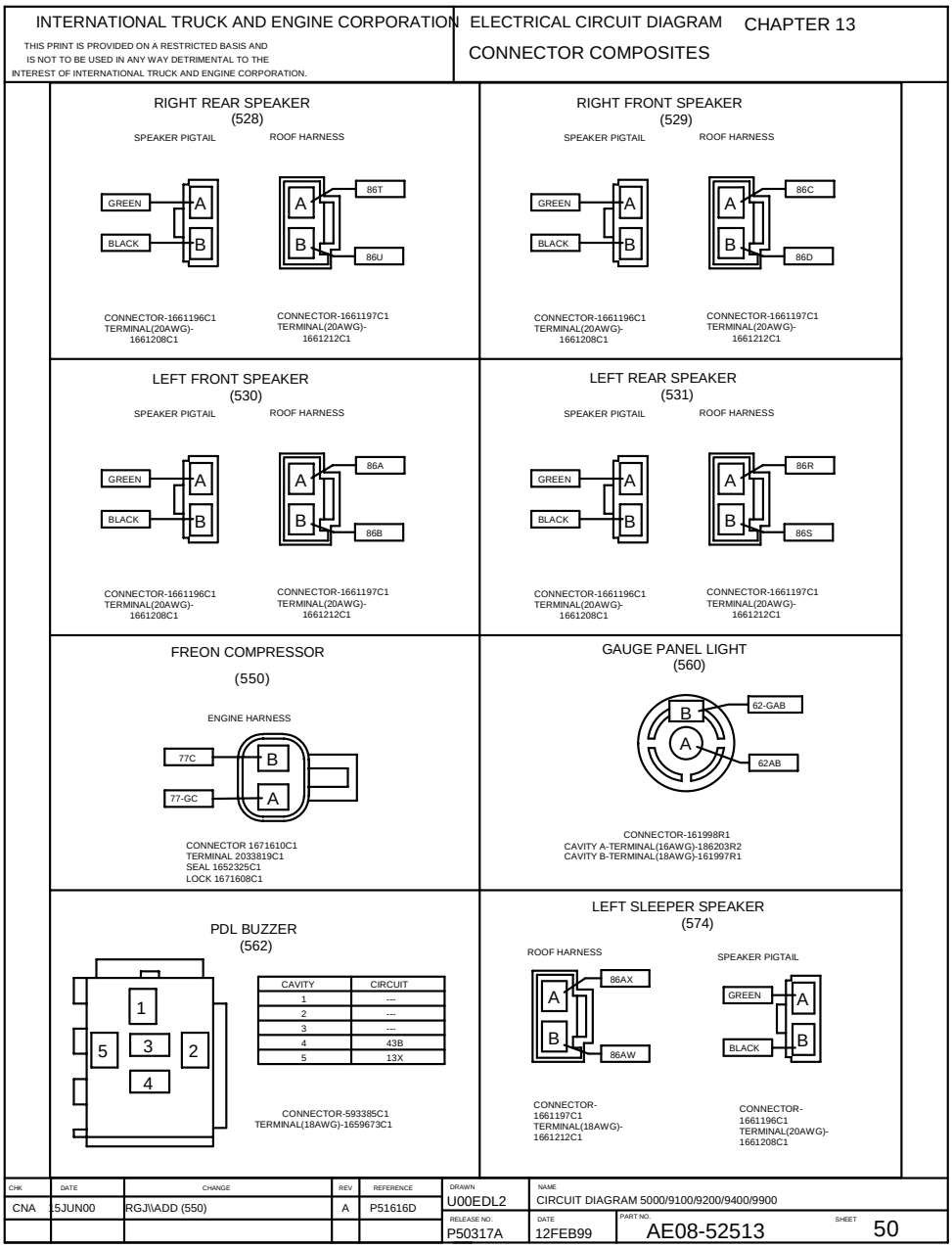


Figure 181 Connector Composites (528), (529), (530), (531), (560), (562), (574)

13.51. CONNECTOR COMPOSITES (575), (576), (577), (578), (579), (582)

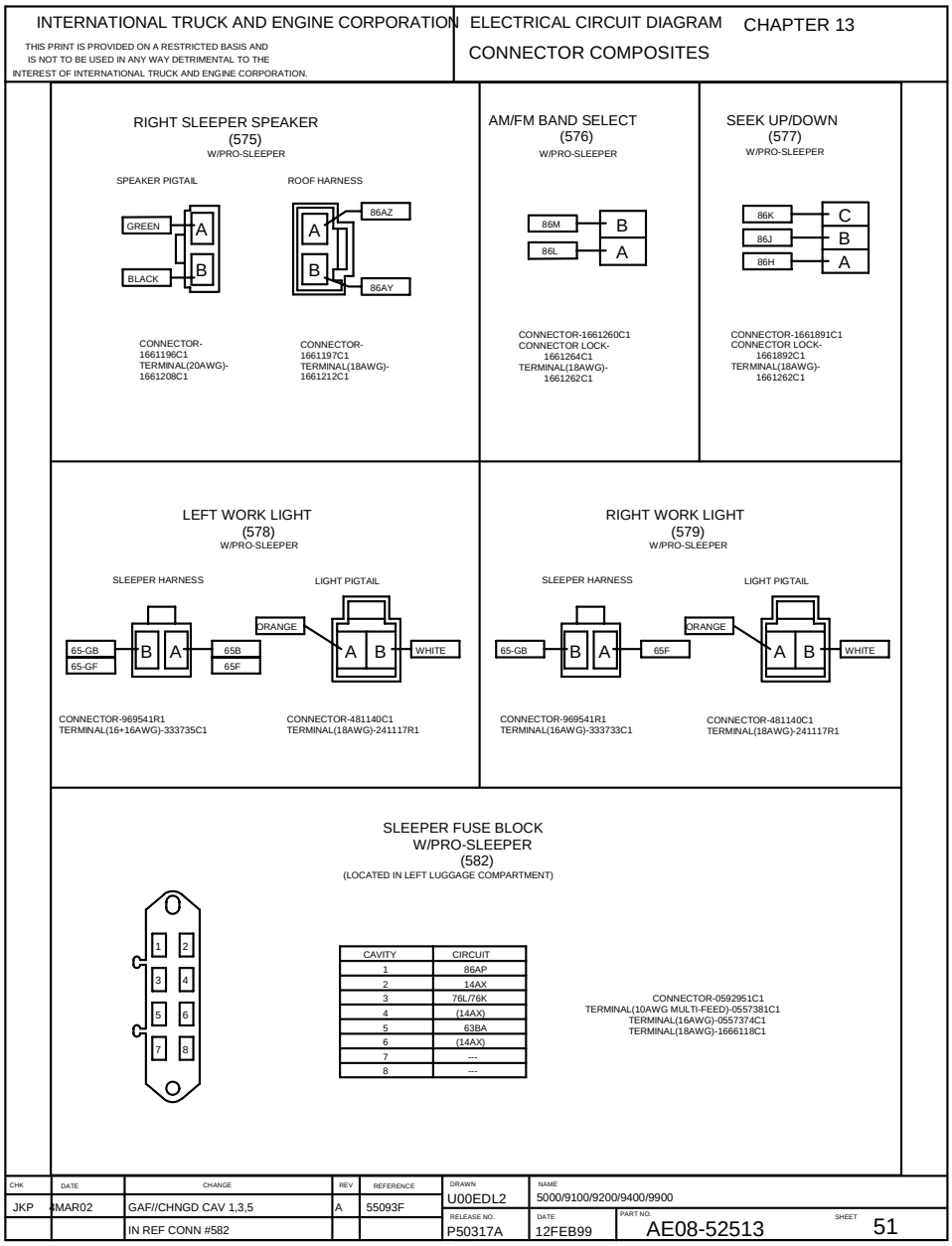


Figure 182 Connector Composites (575), (576), (577), (578), (579), (582)

13.52. CONNECTOR COMPOSITES (584), (585), (587)

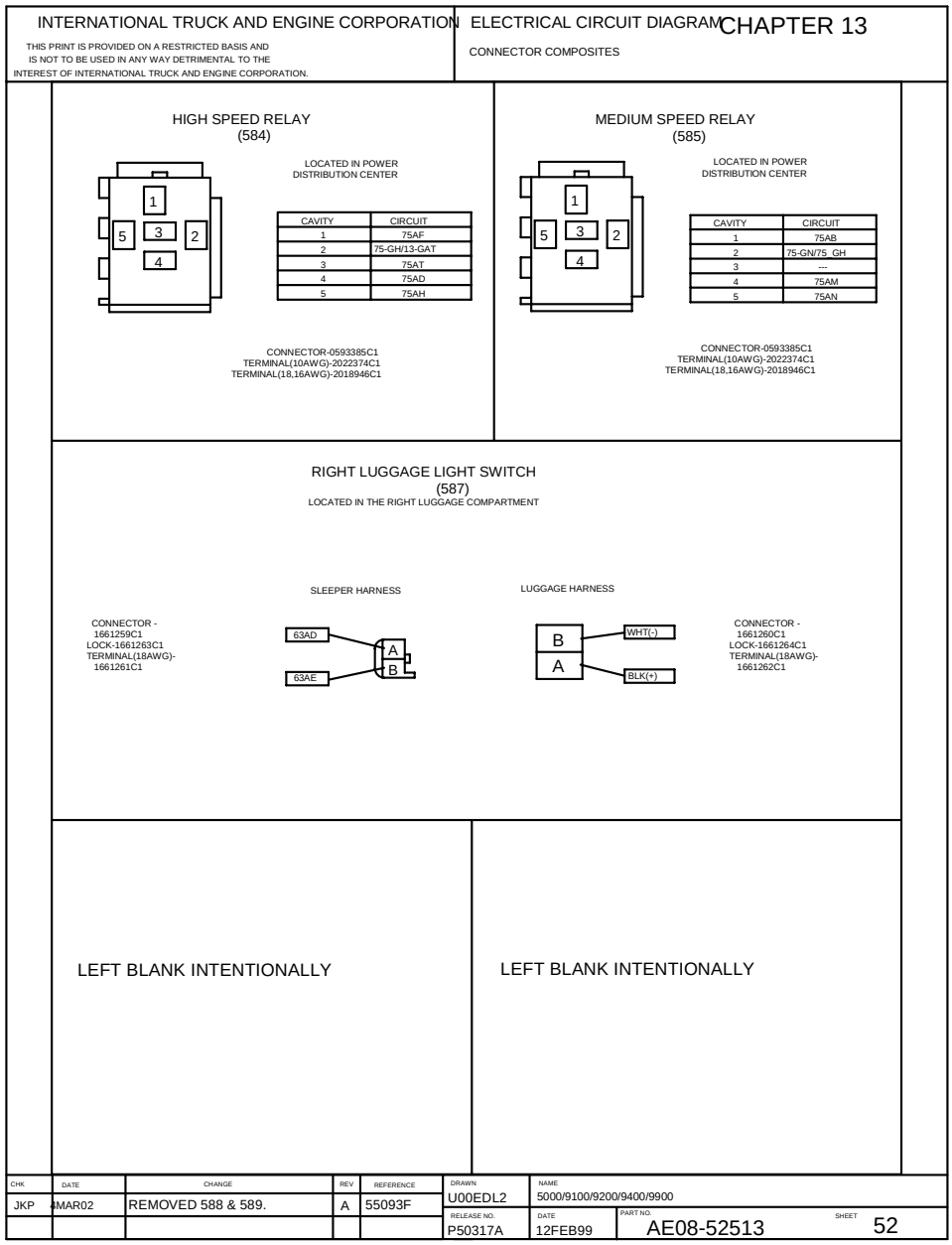


Figure 183 Connector Composites (584), (585), (587)

13.53. CONNECTOR COMPOSITES (592), (592F), (593), (594), (600)

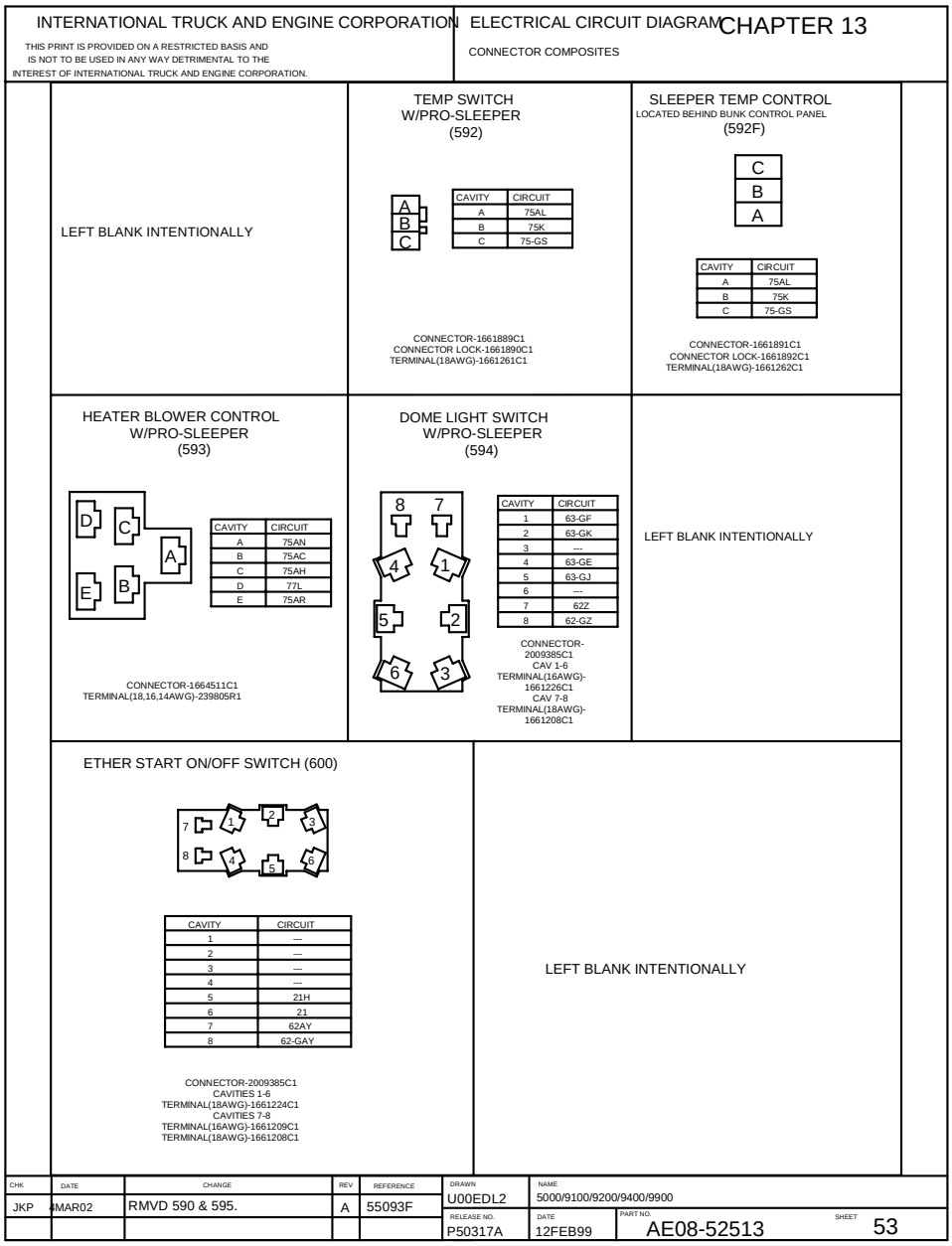


Figure 184 Connector Composites (592), (592F), (593), (594), (600)

13.54. CONNECTOR COMPOSITES (603), (604), (605), (606), (607), (610), (611)

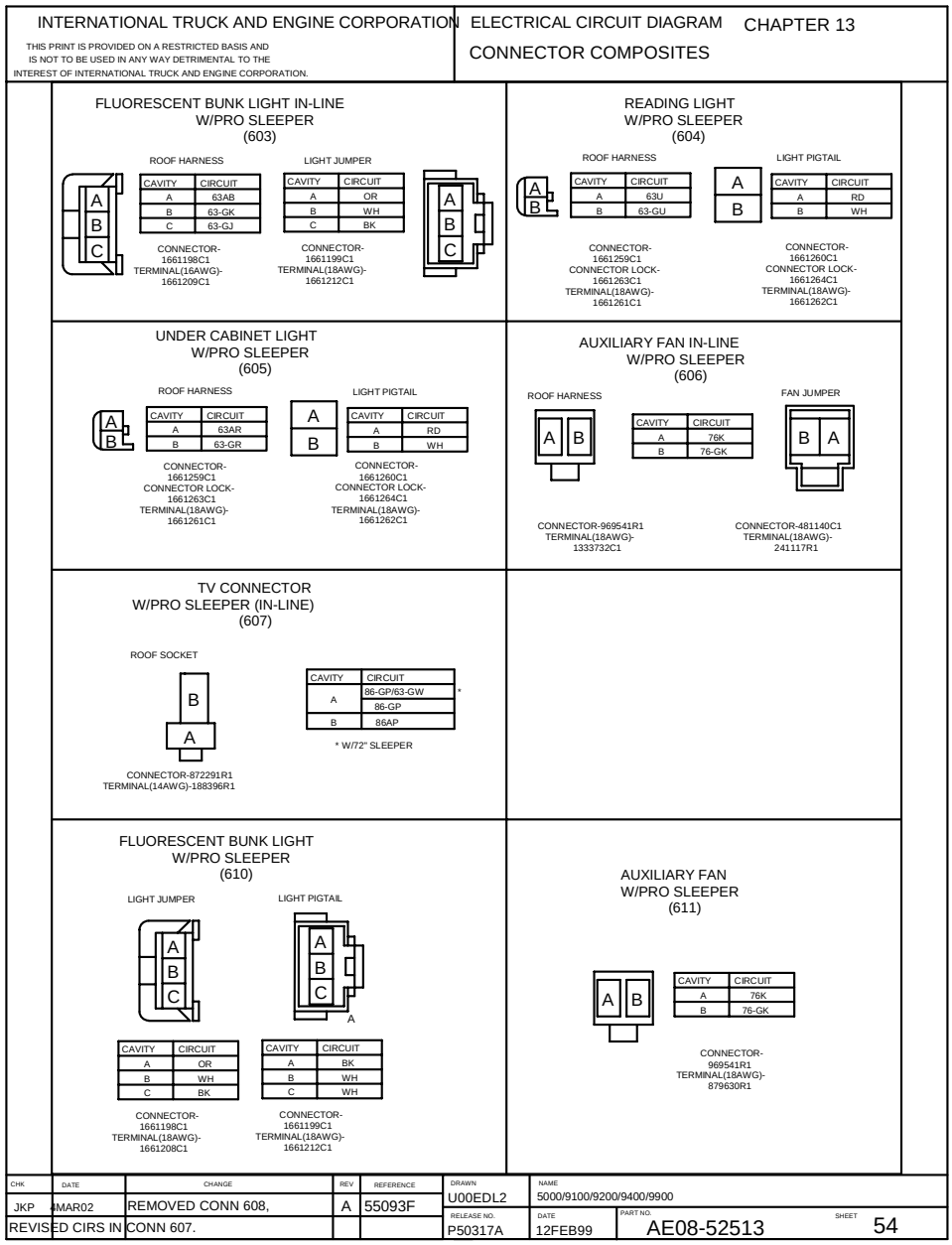


Figure 185 Connector Composites (603), (604), (605), (606), (607), (610), (611)

13.55. CONNECTOR COMPOSITES (612), (613), (640), (642), (643), (659)

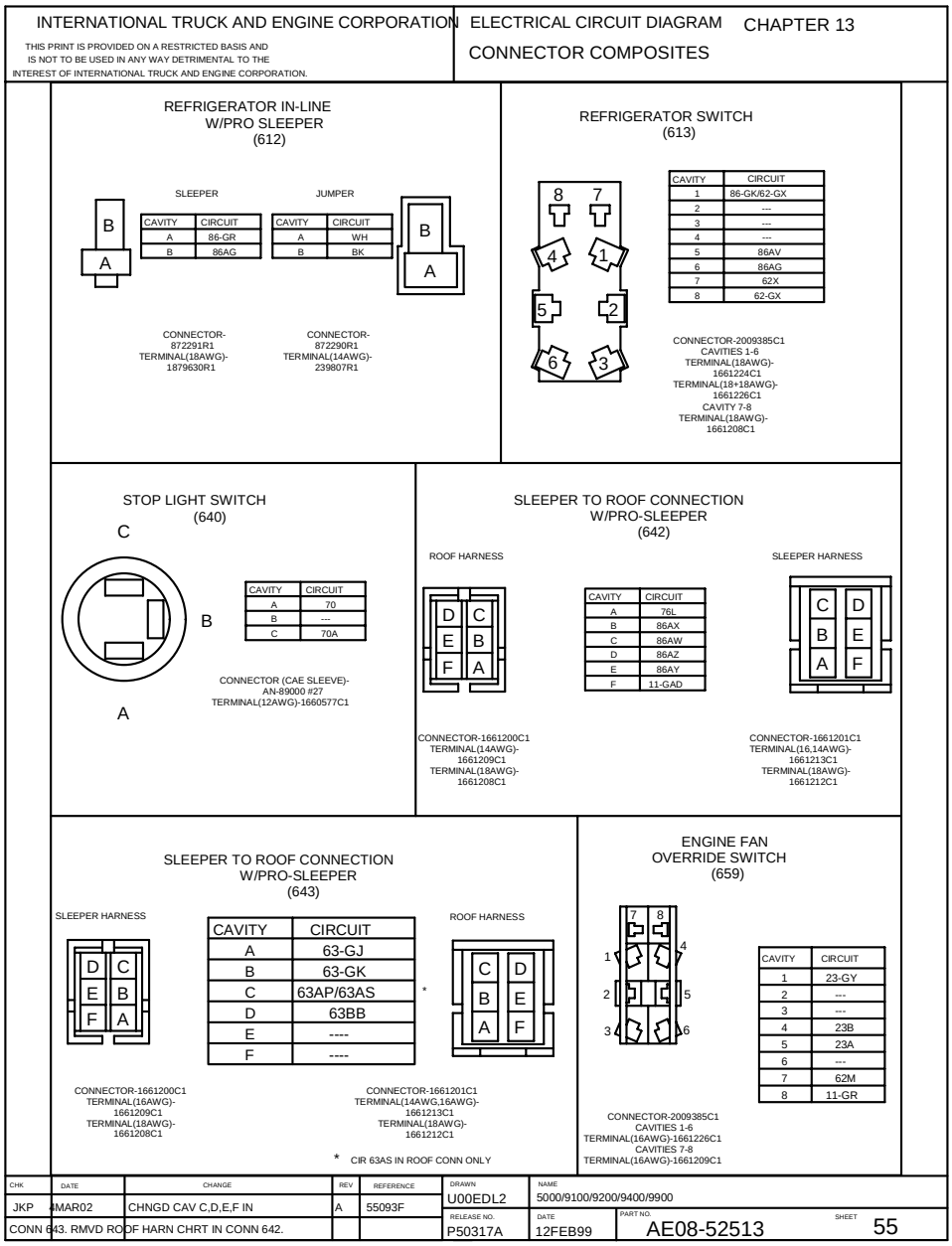


Figure 186 Connector Composites (612), (613), (640), (642), (643), (659)

13.56. CONNECTOR COMPOSITES (662), (675), (676), (690)

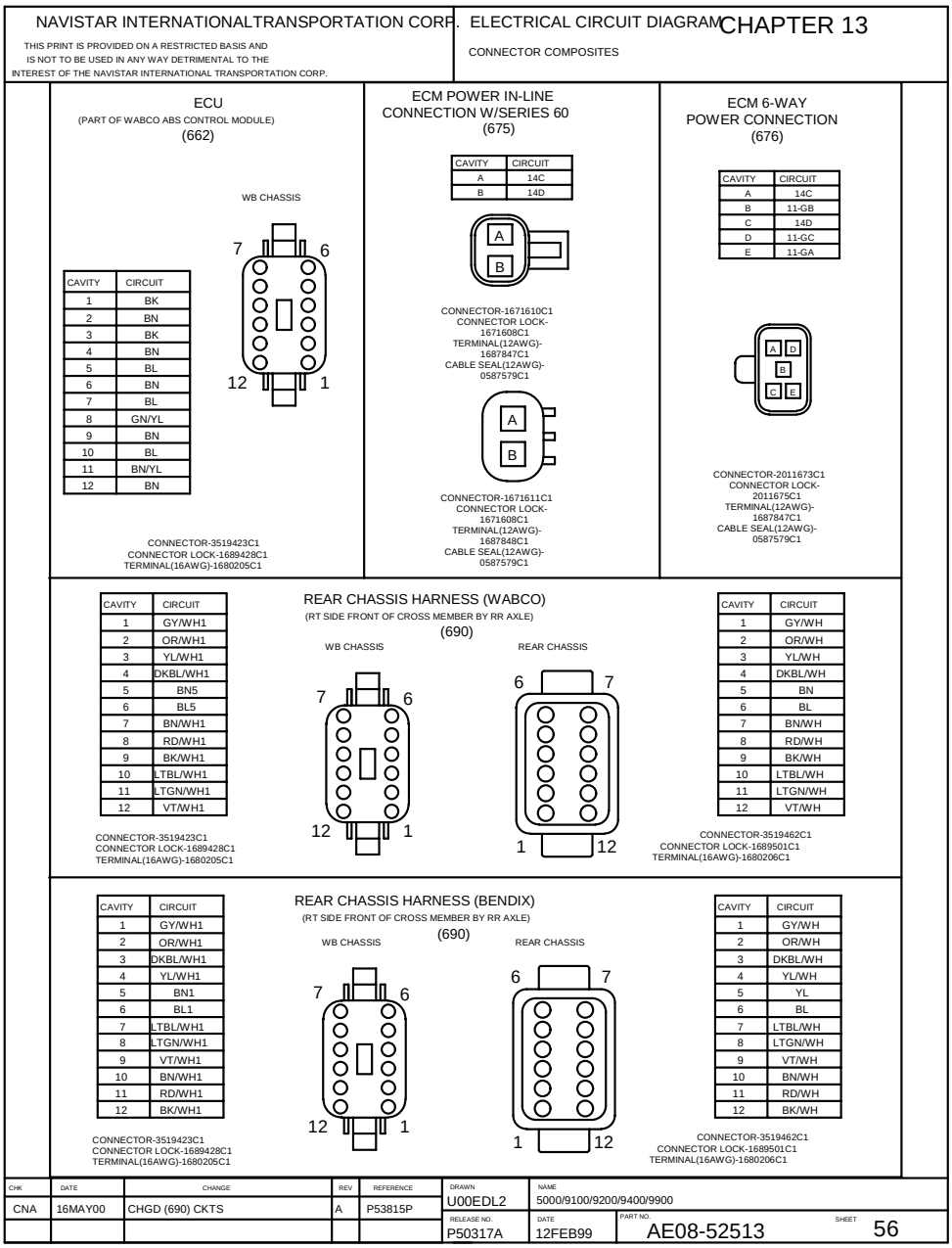


Figure 187 Connector Composites (662), (675), (676), (690)

13.57. CONNECTOR COMPOSITES (720), (753), (755), (766), (767), (768)

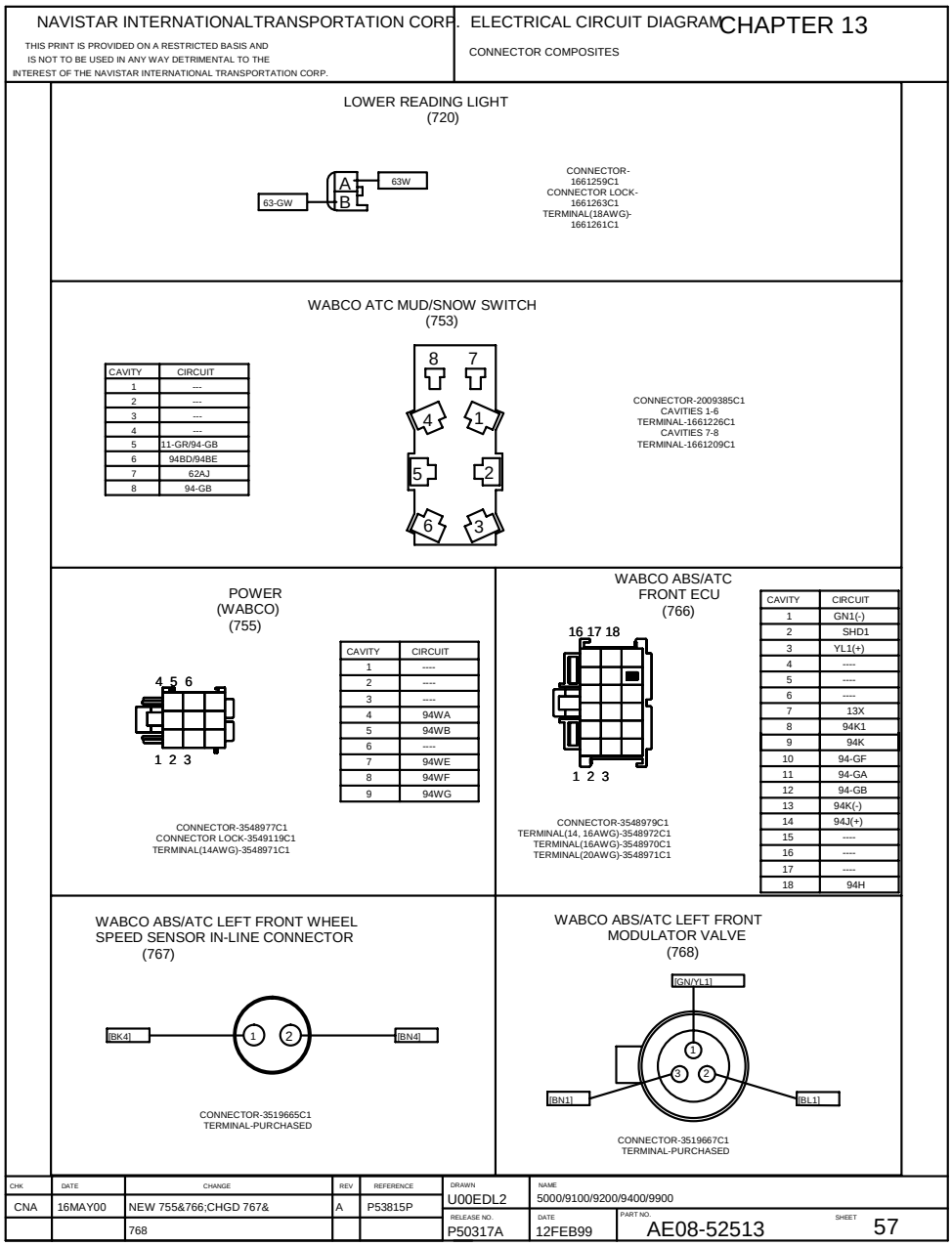


Figure 188 Connector Composites (720), (753), (755), (766), (767), (768)

13.58. CONNECTOR COMPOSITES (769), (770), (771), (774), (775), (776), (777), (778), (789)

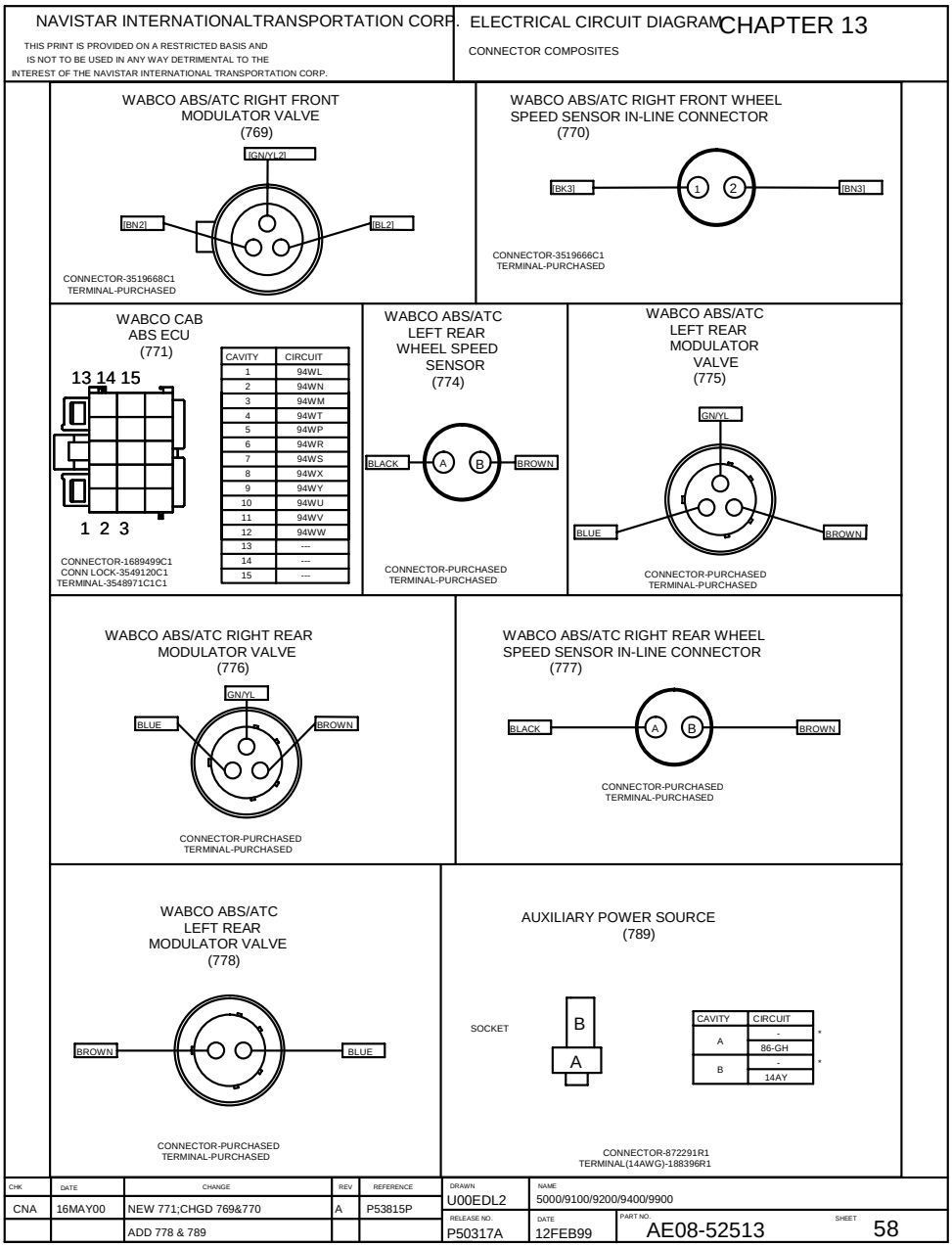


Figure 189 Connector Composites (769), (770), (771), (774), (775), (776), (777), (778), (789)

13.59. CONNECTOR COMPOSITES (791), (823), (851), (854), (884), (885), (887)

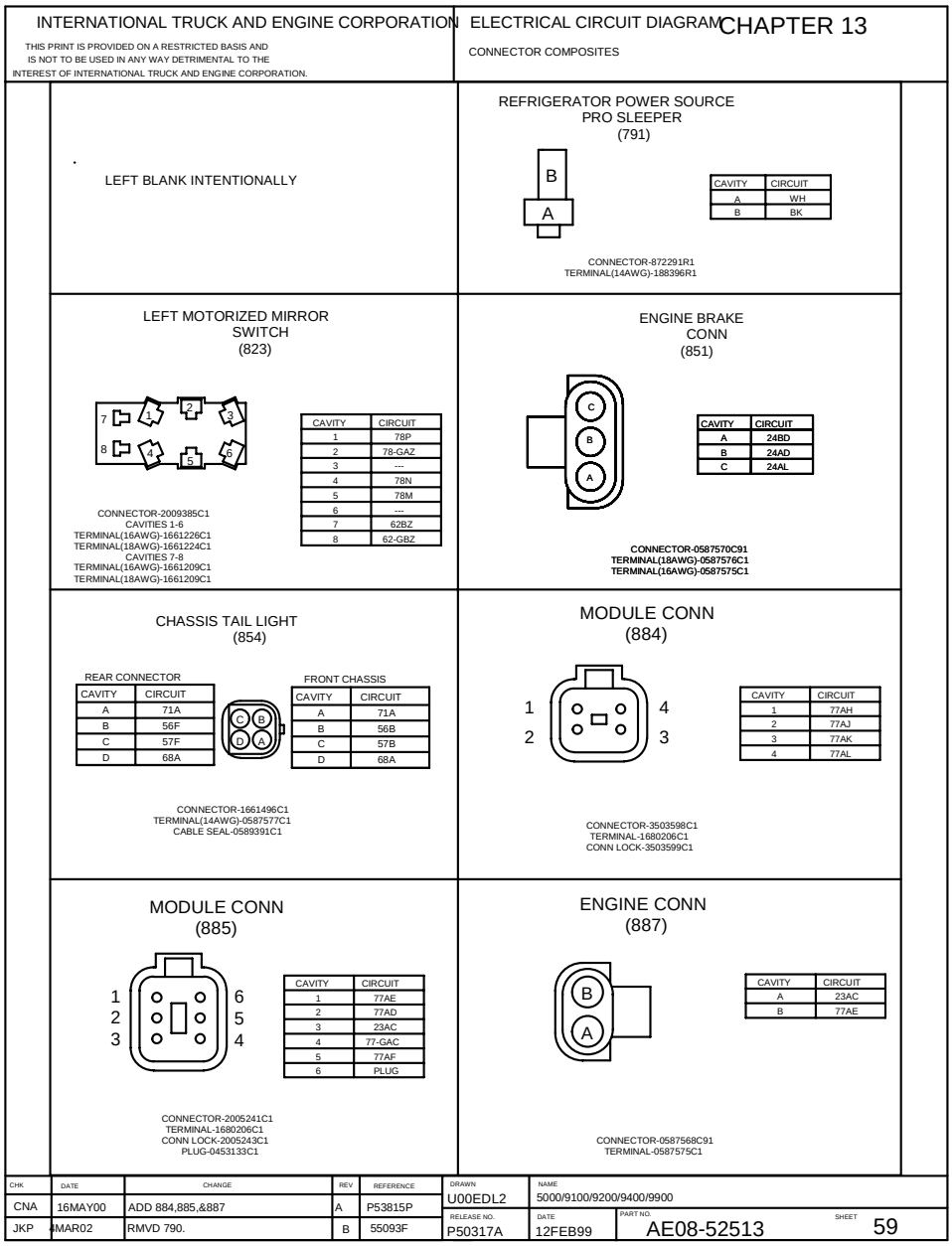
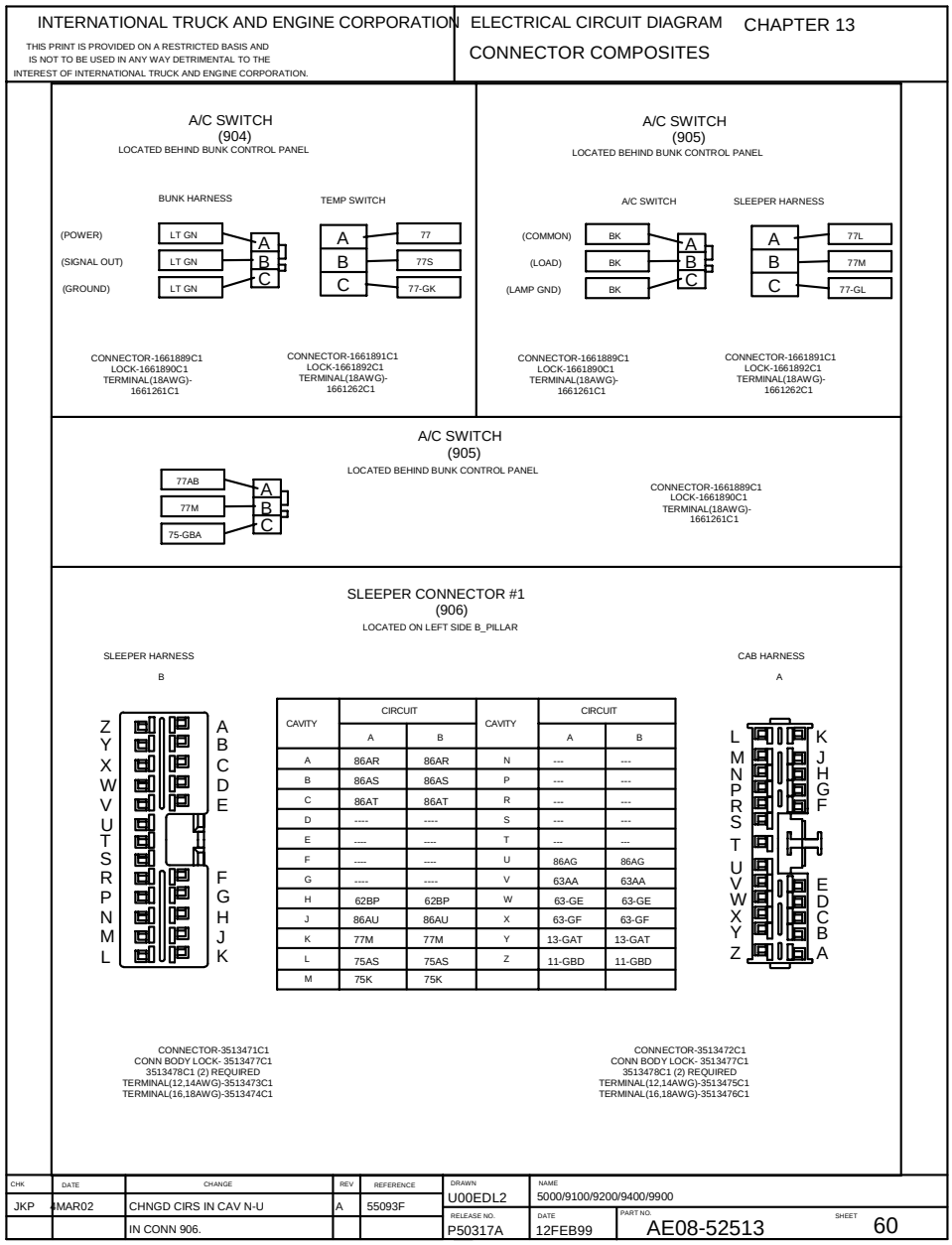


Figure 190 Connector Composites (791), (823), (851), (854), (884), (885), (887)

13.60. CONNECTOR COMPOSITES (904), (905), (906)



CAVITY	CIRCUIT A	CIRCUIT B	CAVITY	CIRCUIT A	CIRCUIT B
A	86AR	86AR	N	---	---
B	86AS	86AS	P	---	---
C	86AT	86AT	R	---	---
D	----	----	S	---	---
E	----	----	T	---	---
F	----	----	U	86AG	86AG
G	----	----	V	63AA	63AA
H	62BP	62BP	W	63-GE	63-GE
J	86AU	86AU	X	63-GF	63-GF
K	77M	77M	Y	13-GAT	13-GAT
L	75AS	75AS	Z	11-GBD	11-GBD
M	75K	75K			

Figure 191 Connector Composites (904), (905), (906)

13.61. CONNECTOR COMPOSITES (907), (909), (912), (913), (914), (915), (916), (918)

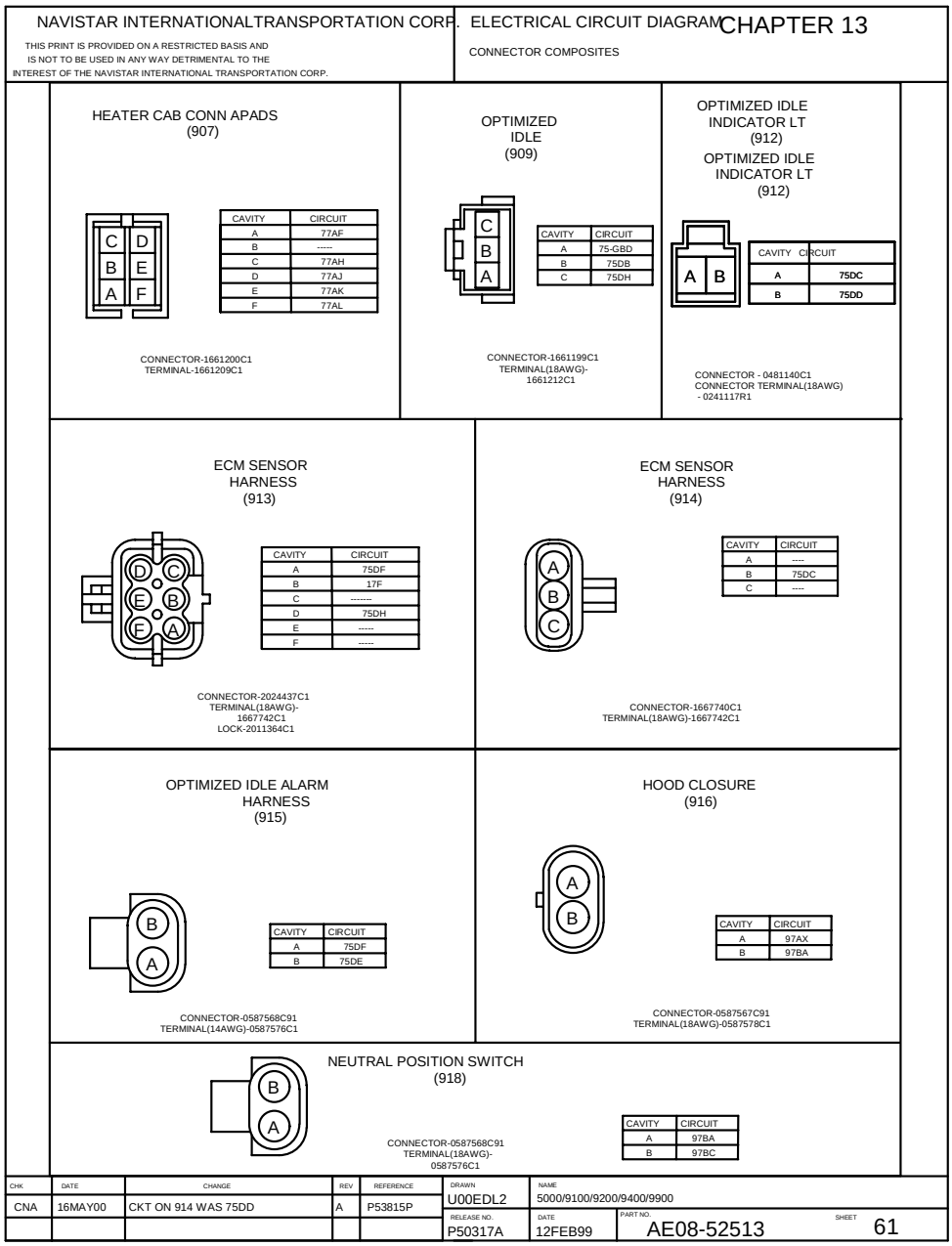


Figure 192 Connector Composites (907), (909), (912), (913), (914), (915), (916), (918)

13.62. CONNECTOR COMPOSITES (922), (923), (925)

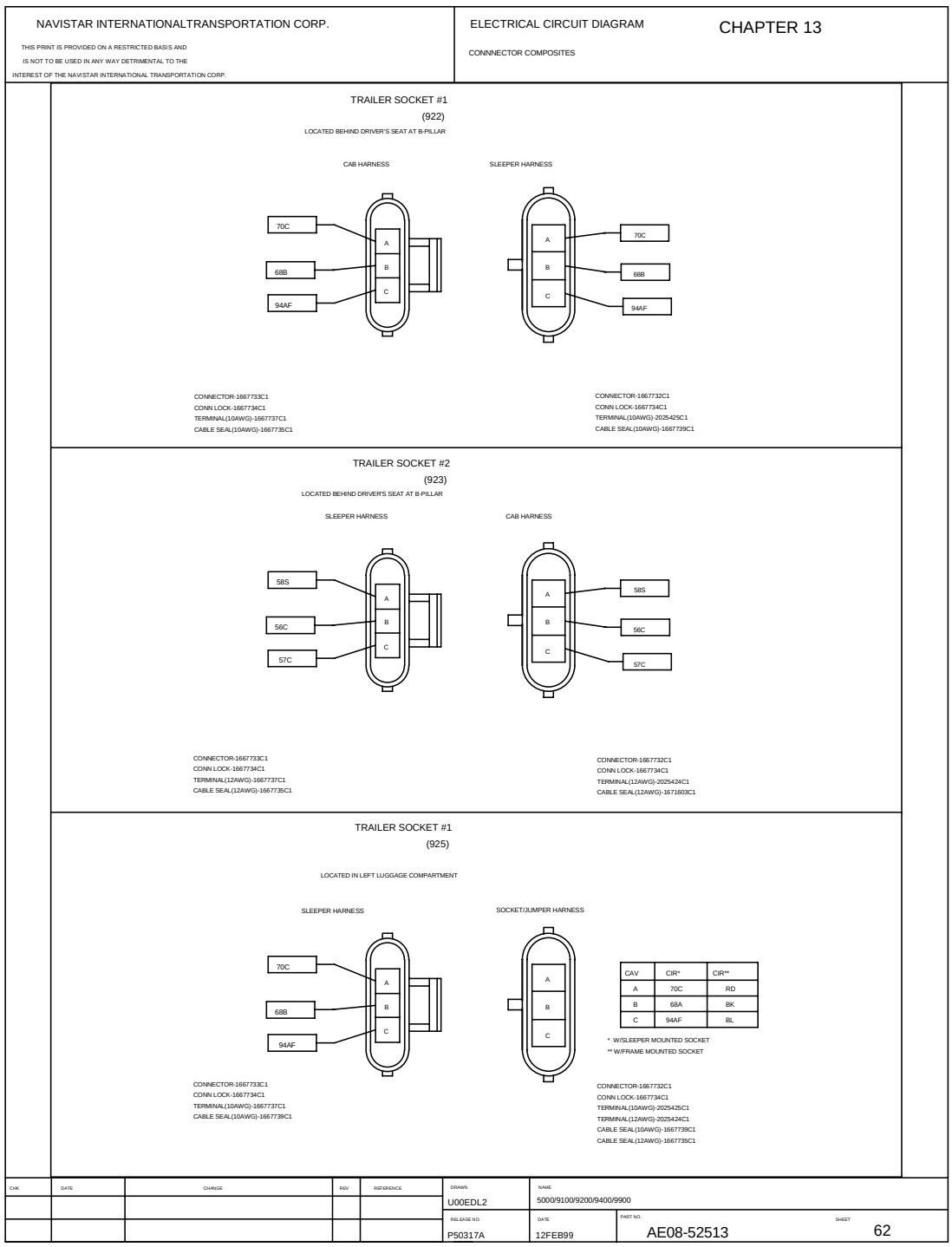


Figure 193 Connector Composites (922), (923), (925)

13.63. CONNECTOR COMPOSITES (926), (930), (935), (936), (937)

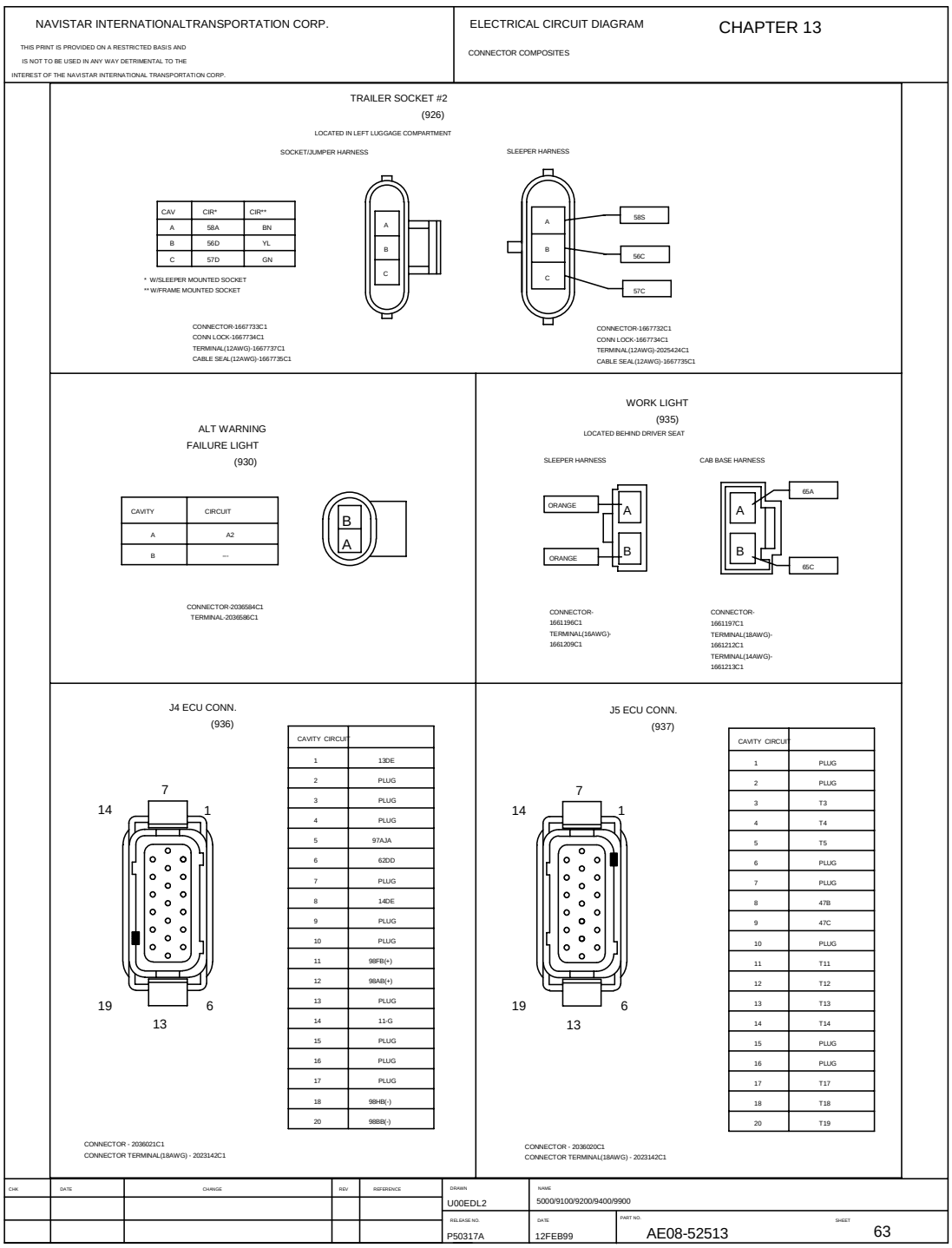


Figure 194 Connector Composites (926), (930), (935), (936), (937)

13.64. CONNECTOR COMPOSITES (938), (939), (940), (941), (942)

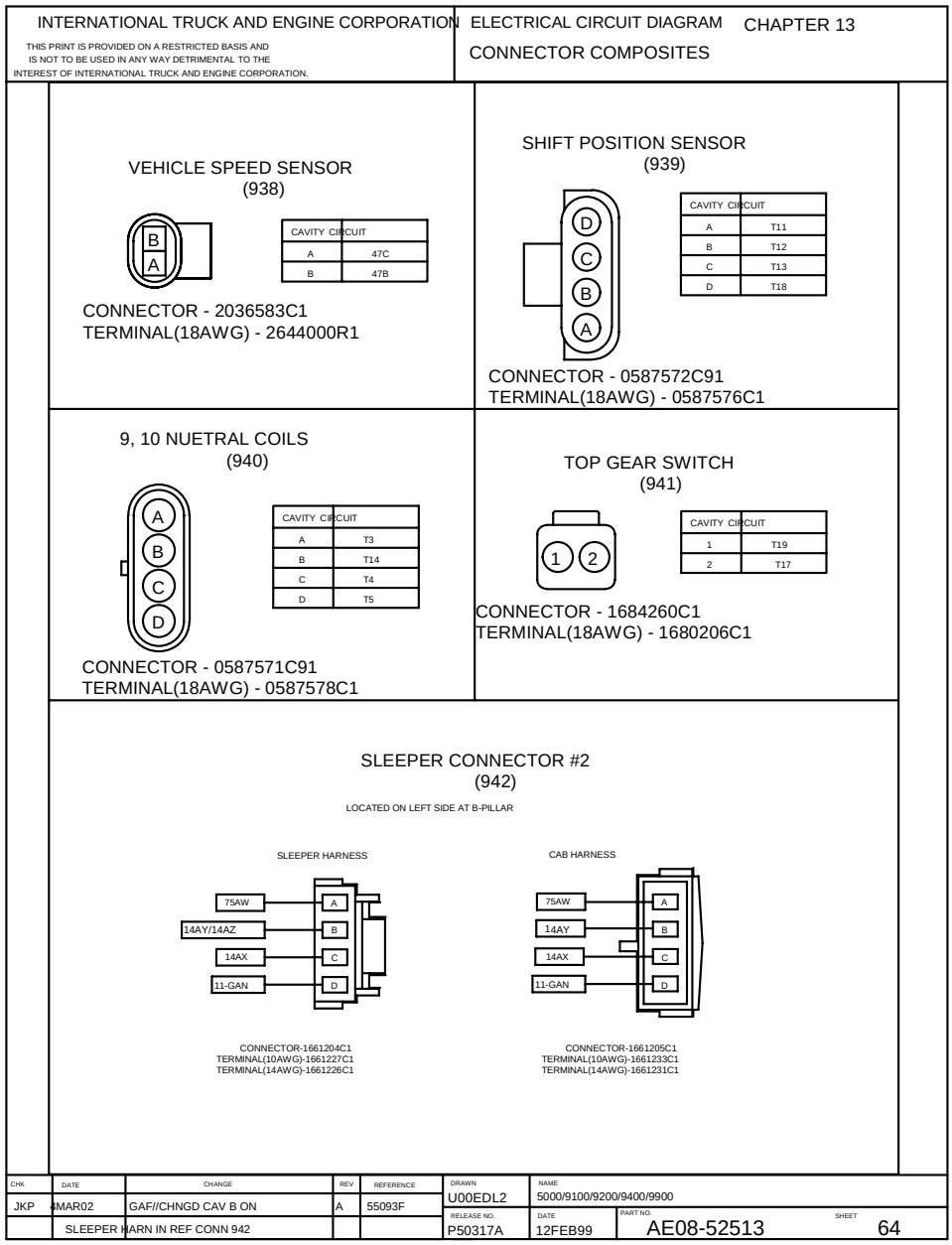


Figure 195 Connector Composites (938), (939), (940), (941), (942)

13.65. CONNECTOR COMPOSITES (955), (956), (962), (963), (992), (993), (994)

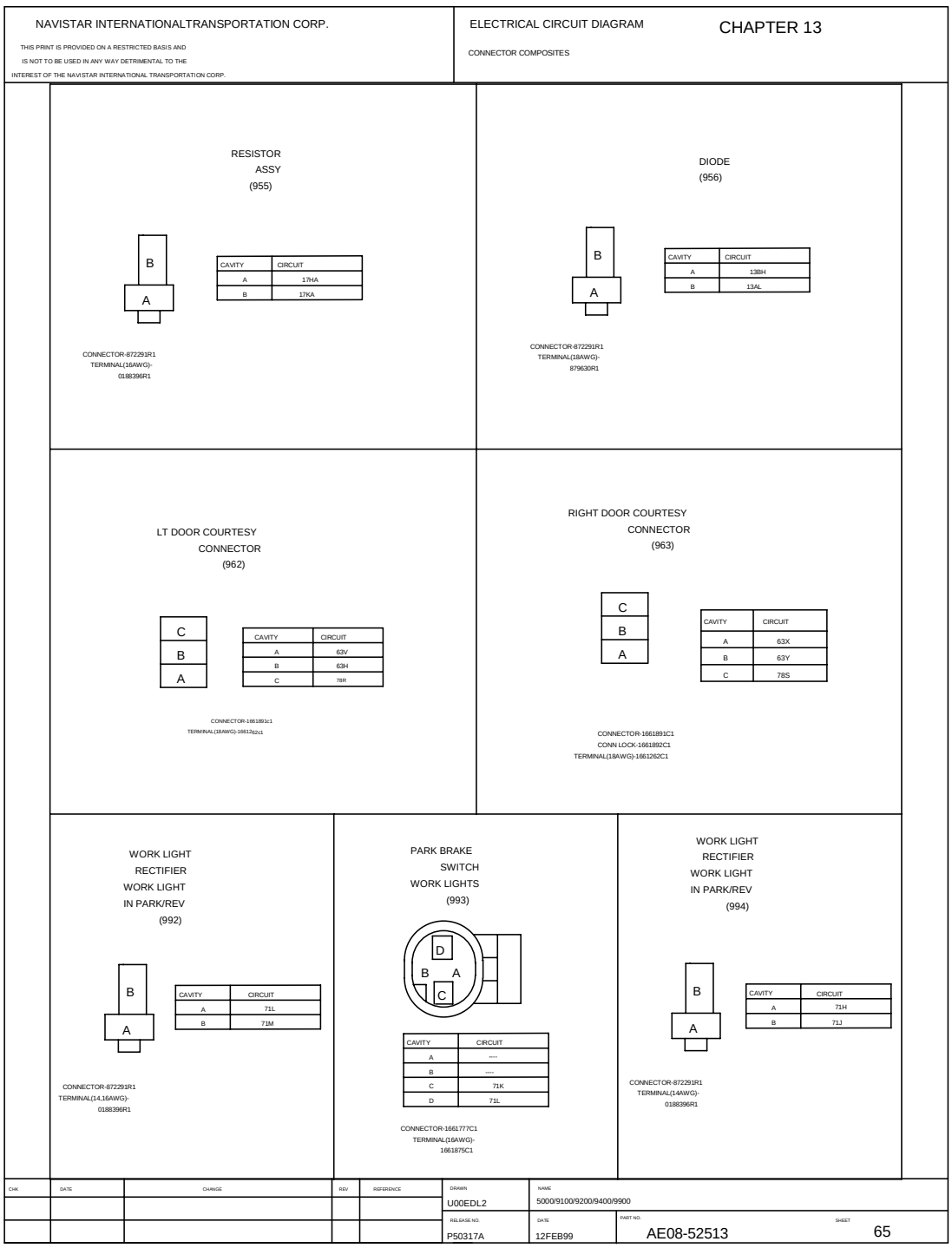


Figure 196 Connector Composites (955), (956), (962), (963), (992), (993), (994)

13.66. CONNECTOR COMPOSITES (995–999), (1000), (1033), (1034)

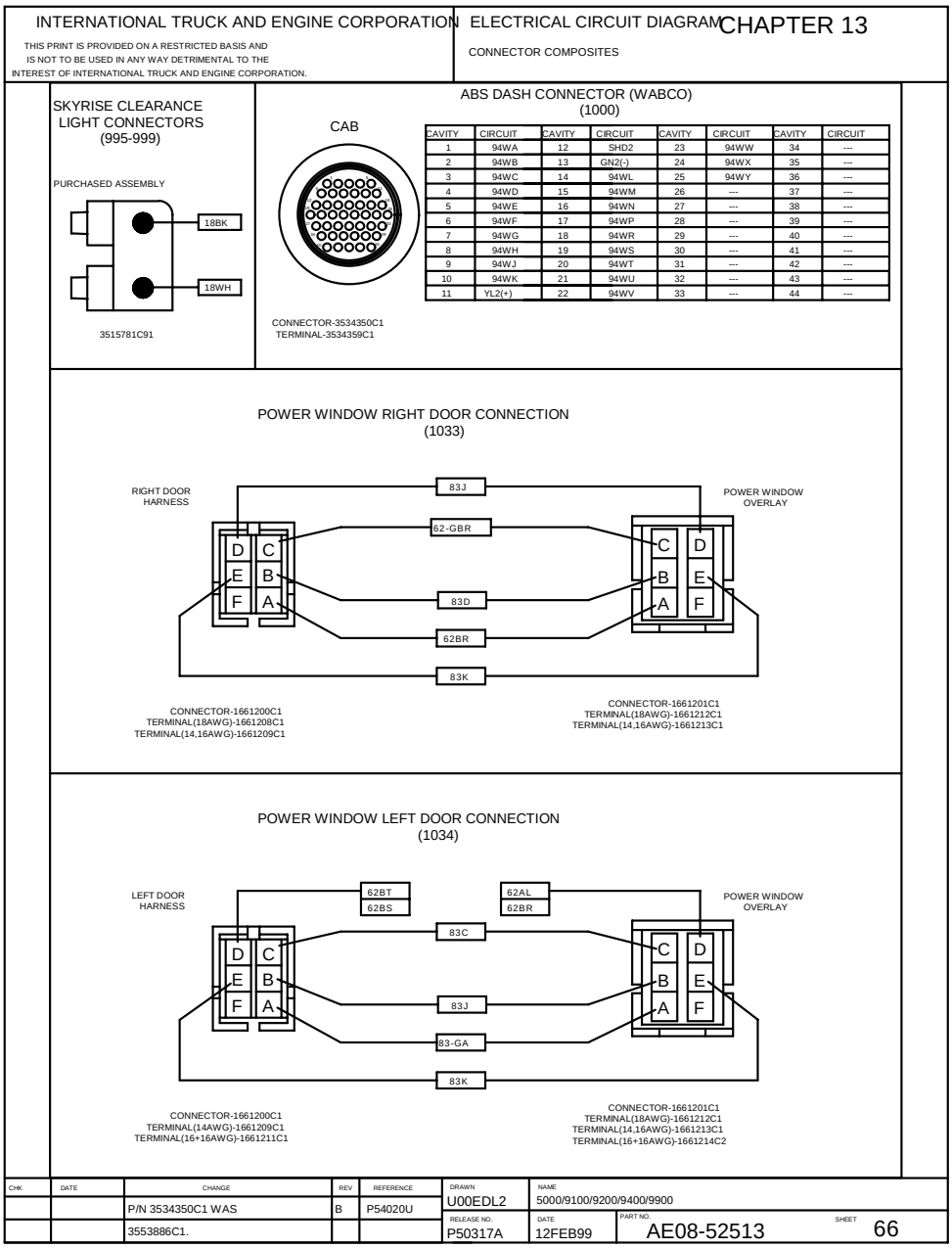


Figure 197 Connector Composites (995–999), (1000), (1033), (1034)

13.67. CONNECTOR COMPOSITES (1039), (1040), (1041), (1042), (1043), (1044)

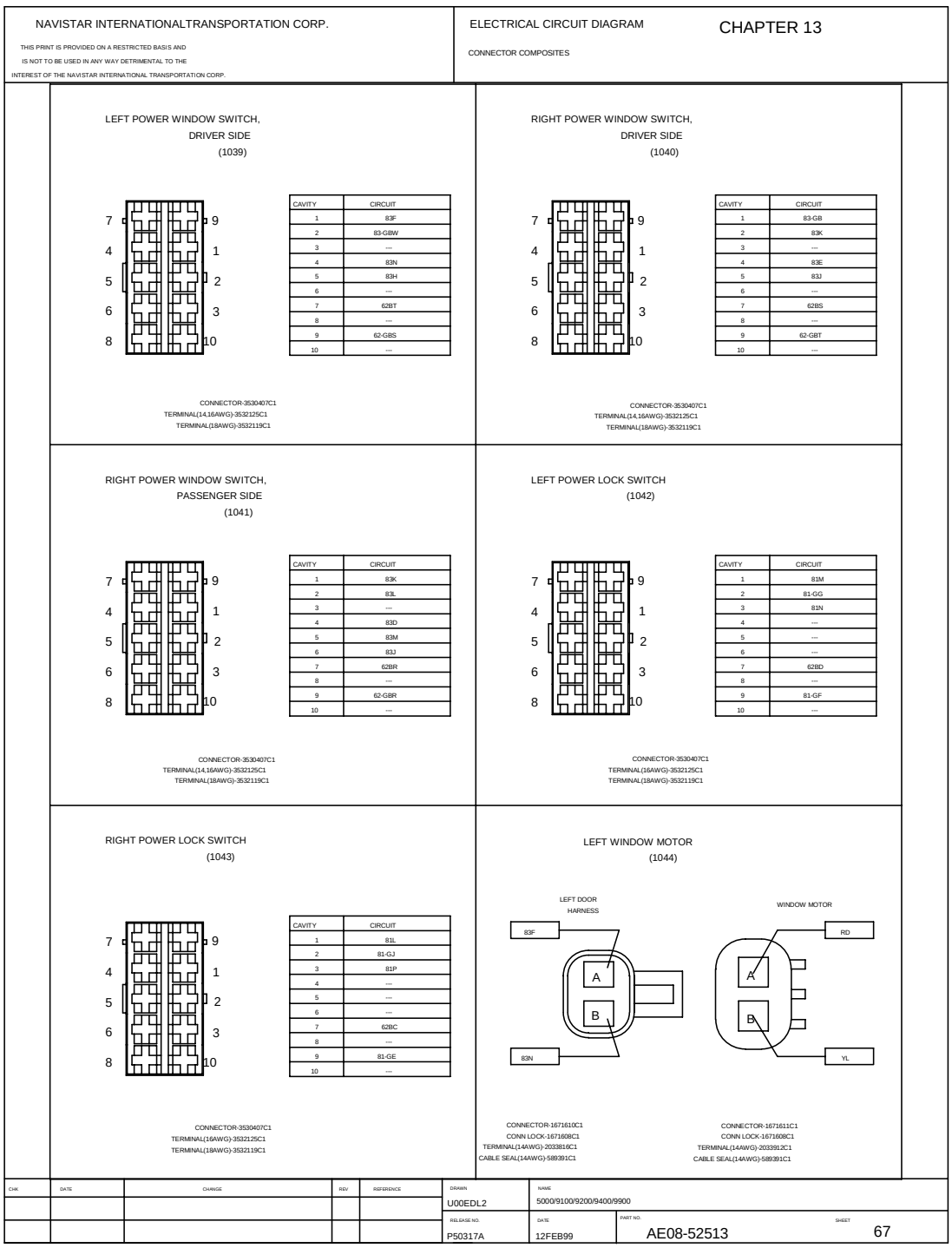


Figure 198 Connector Composites (1039), (1040), (1041), (1042), (1043), (1044)

13.68. CONNECTOR COMPOSITES (1045), (1046), (1047), (1048)

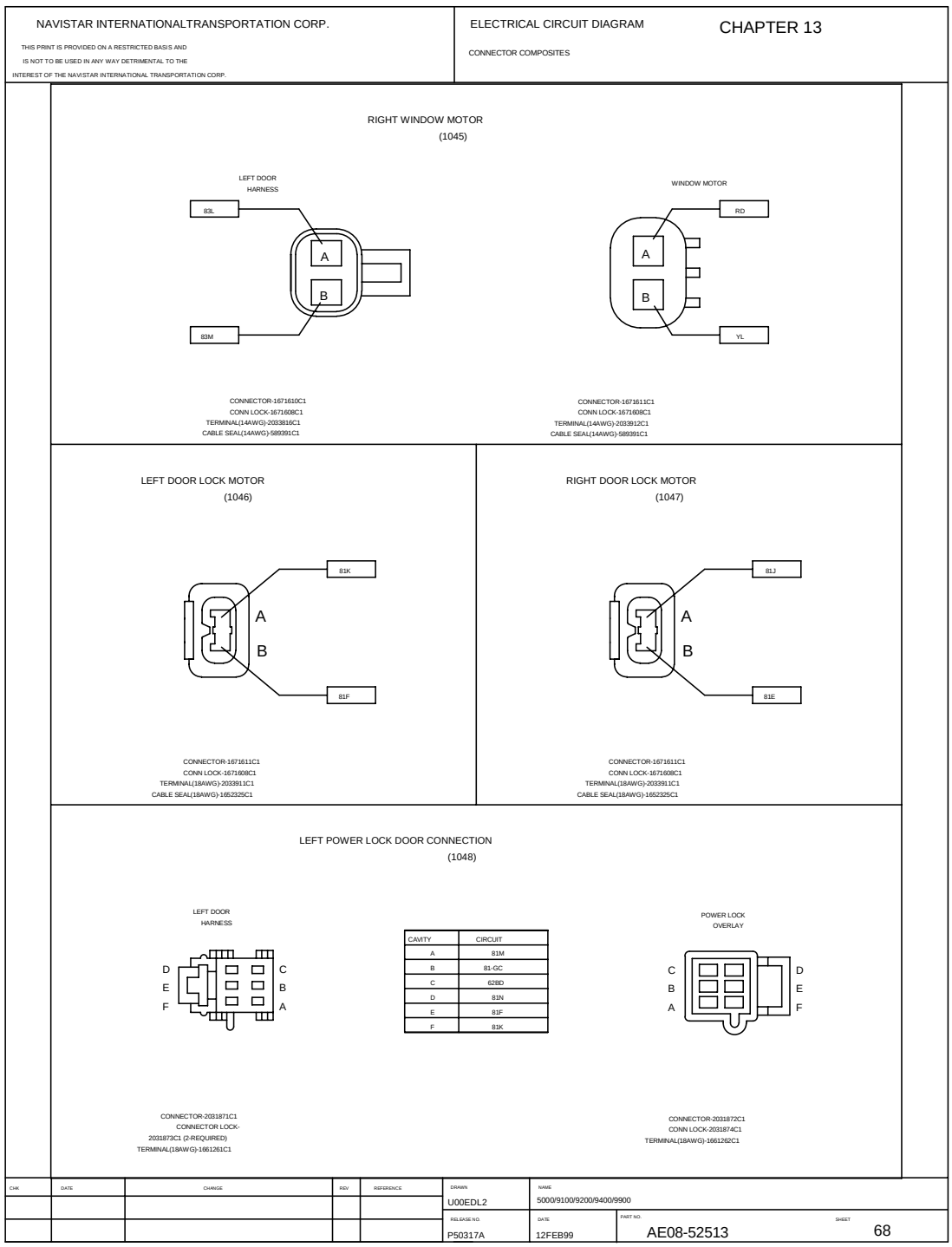


Figure 199 Connector Composites (1045), (1046), (1047), (1048)

13.69. CONNECTOR COMPOSITES (1049), (1050), (1051)

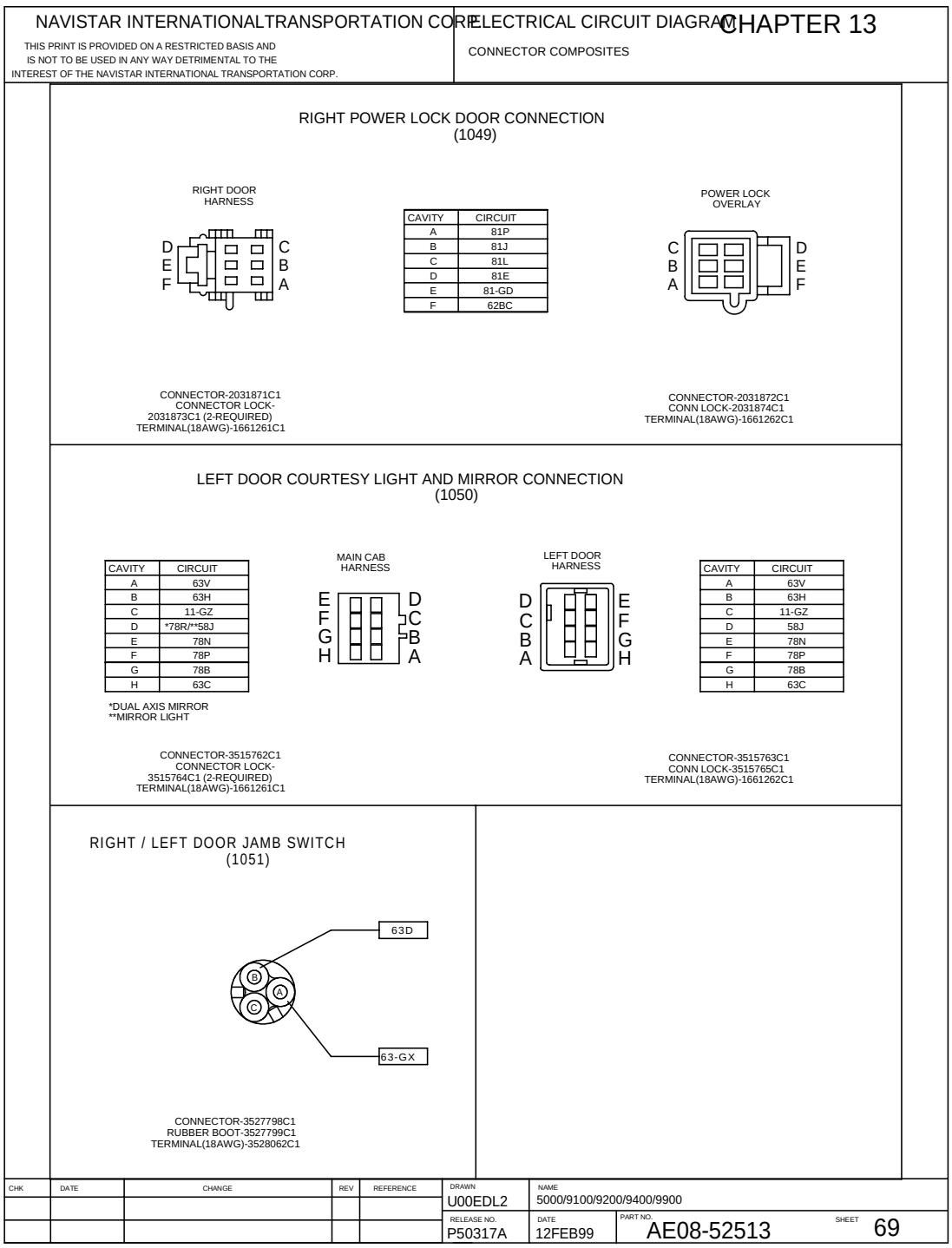


Figure 200 Connector Composites (1049), (1050), (1051)

13.70. CONNECTOR COMPOSITES (1053), (1054), (1056), (1057)

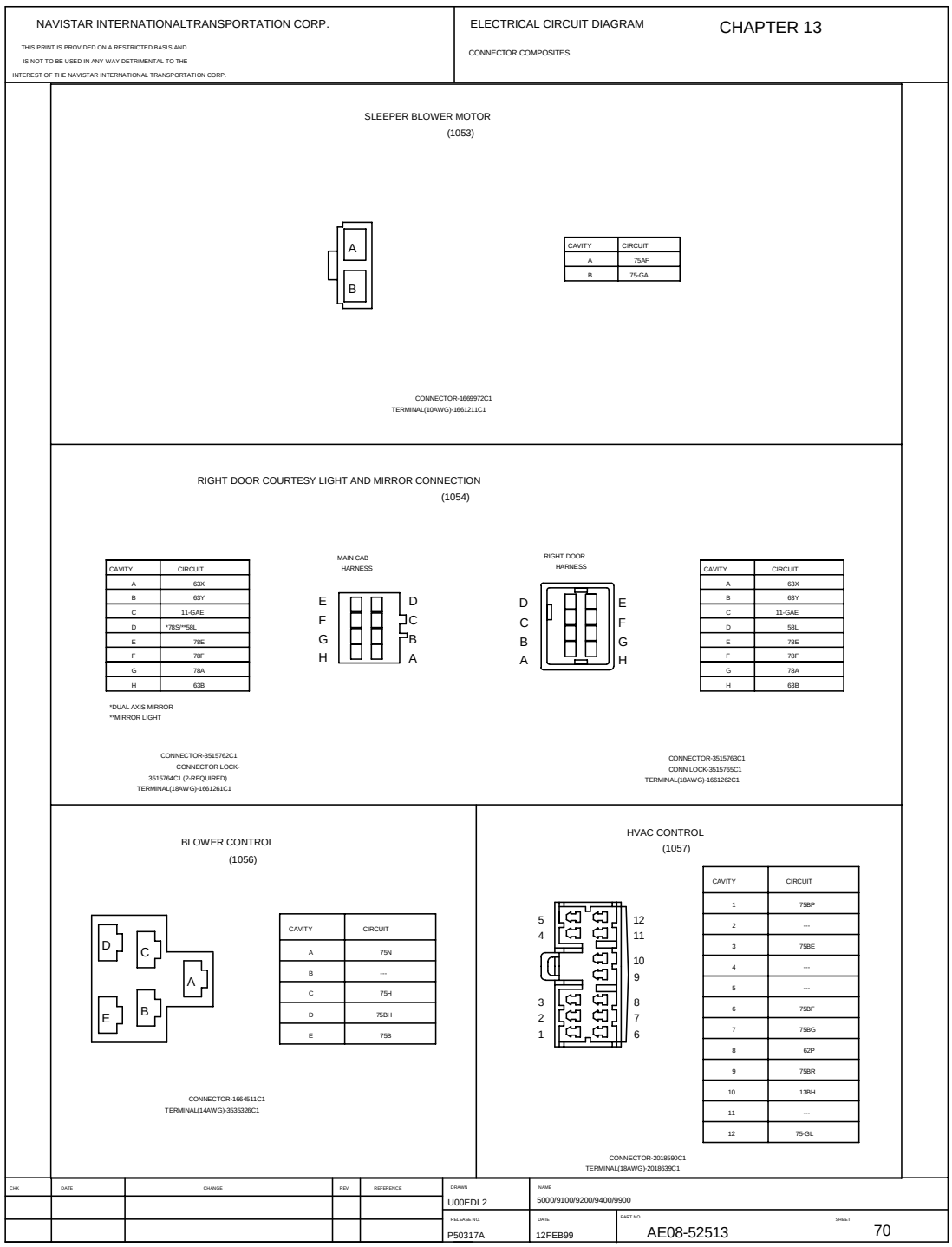


Figure 201 Connector Composites (1053), (1054), (1056), (1057)

13.71. CONNECTOR COMPOSITES (1058), (1059), (1060), (1084), (1085), (1086), (1088), (1090F)

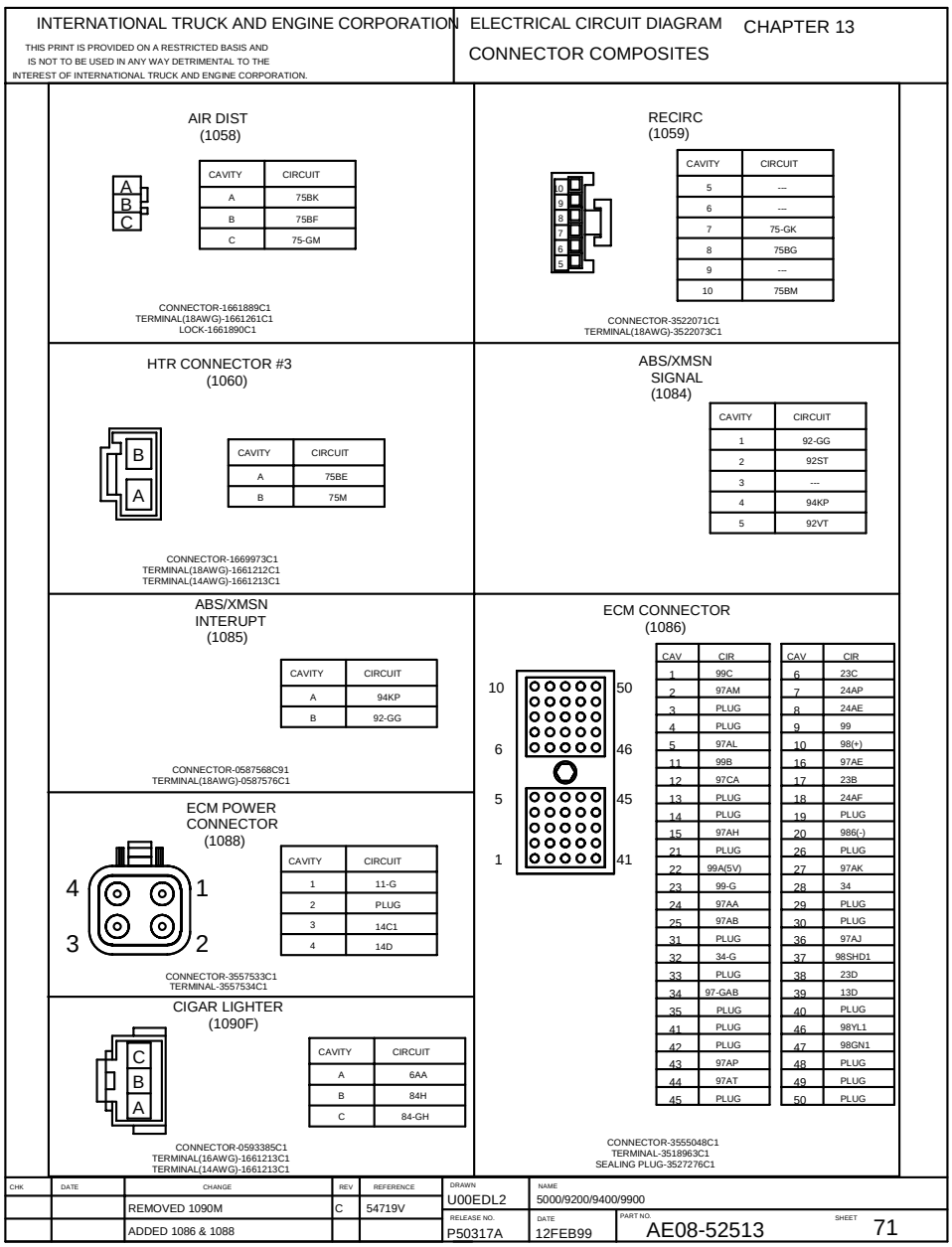


Figure 202 Connector Composites (1058), (1059), (1060), (1084), (1085), (1086), (1088), (1090F)

13.72. CONNECTOR COMPOSITES (1090M), (1091), (1093), (1094), (1095)

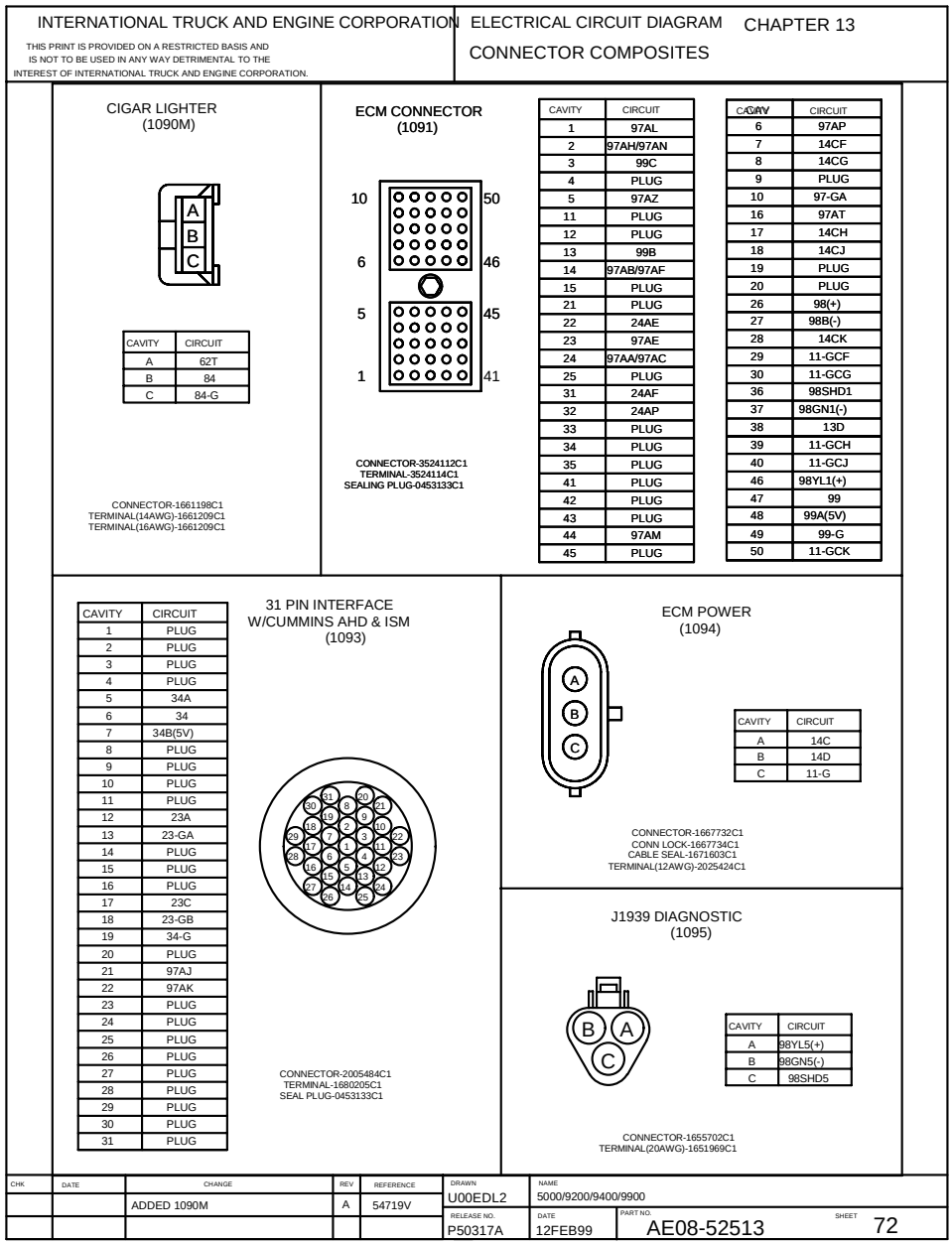


Figure 203 Connector Composites (1090M), (1091), (1093), (1094), (1095)

13.73. CONNECTOR COMPOSITES (1097), (1098), (1099), (1108)

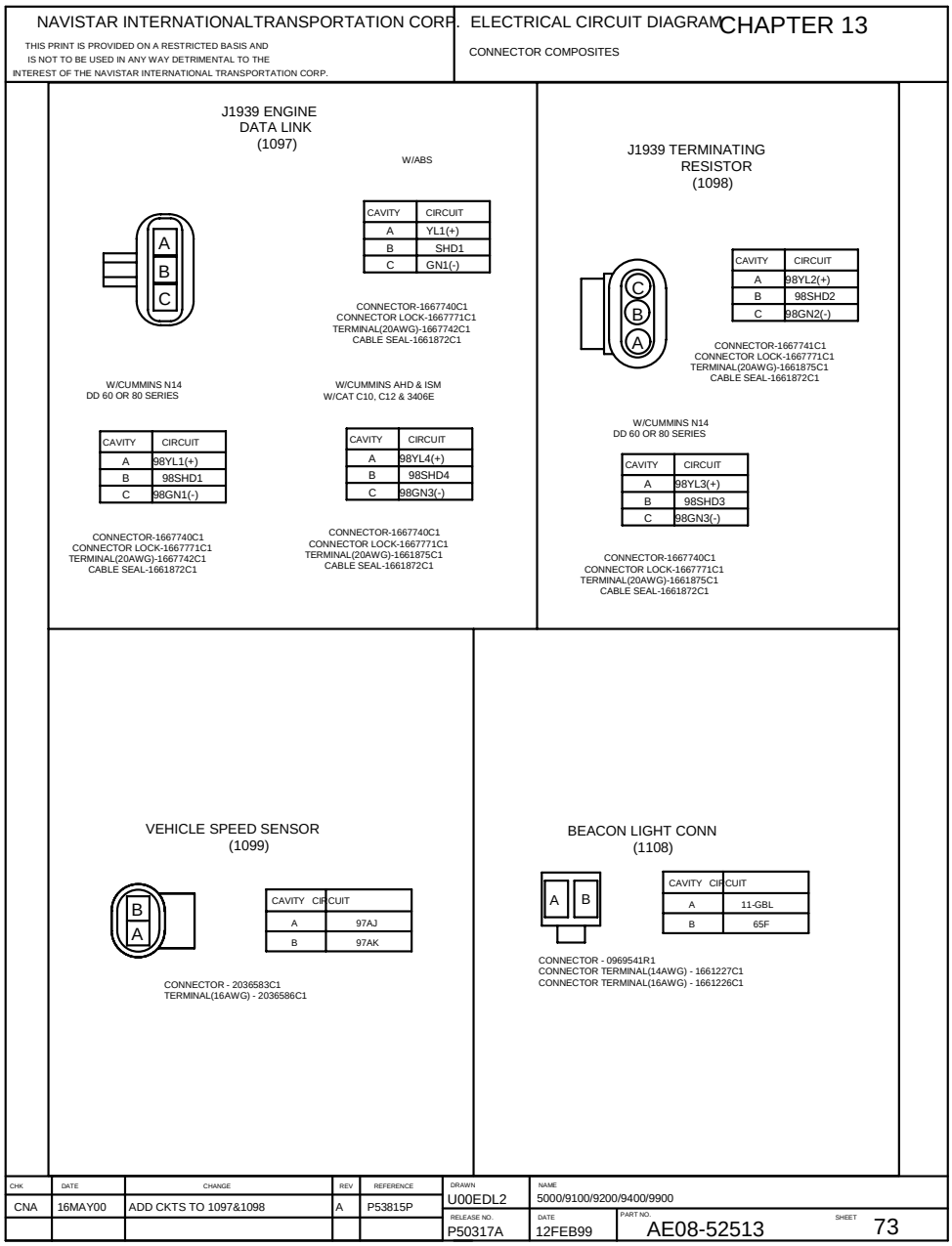


Figure 204 Connector Composites (1097), (1098), (1099), (1108)

13.74. CONNECTOR COMPOSITES (1110), (1112), (1113), (1125), (1126)

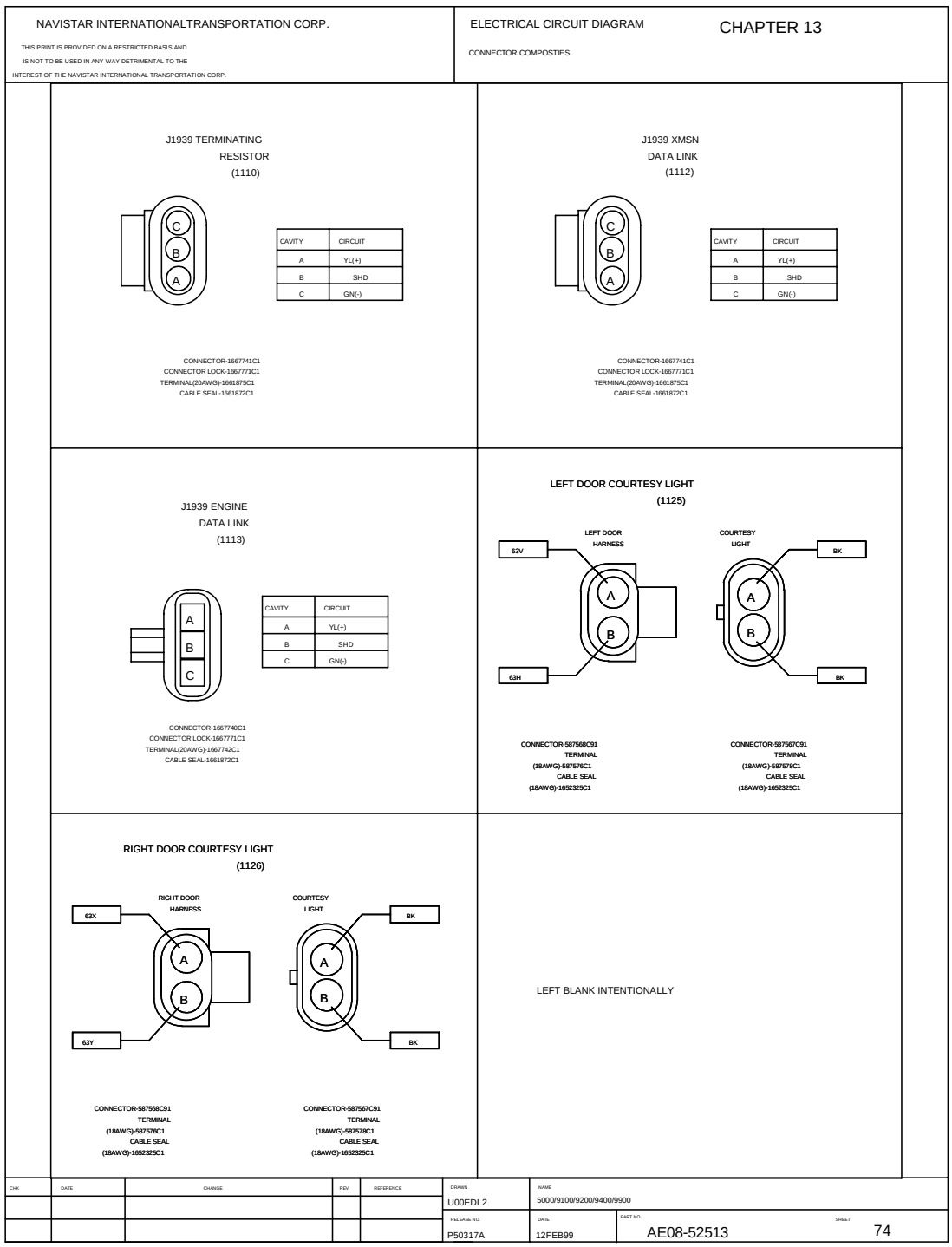


Figure 205 Connector Composites (1110), (1112), (1113), (1125), (1126)

13.75. CONNECTOR COMPOSITES (1127), (1128), (1130), (1135)

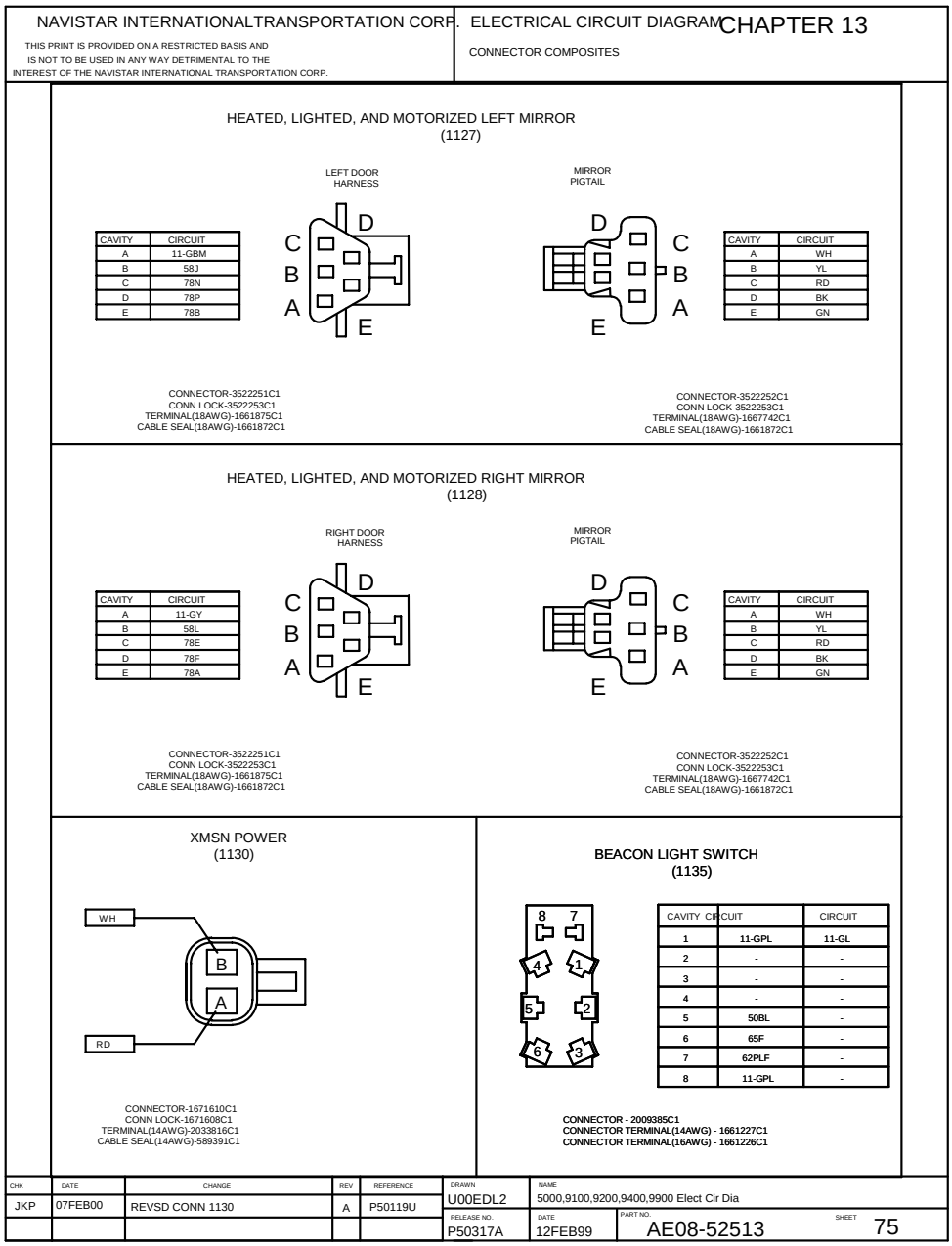


Figure 206 Connector Composites (1127), (1128), (1130), (1135)

13.76. CONNECTOR COMPOSITES (1137), (1138), (1139), (1140), (1141)

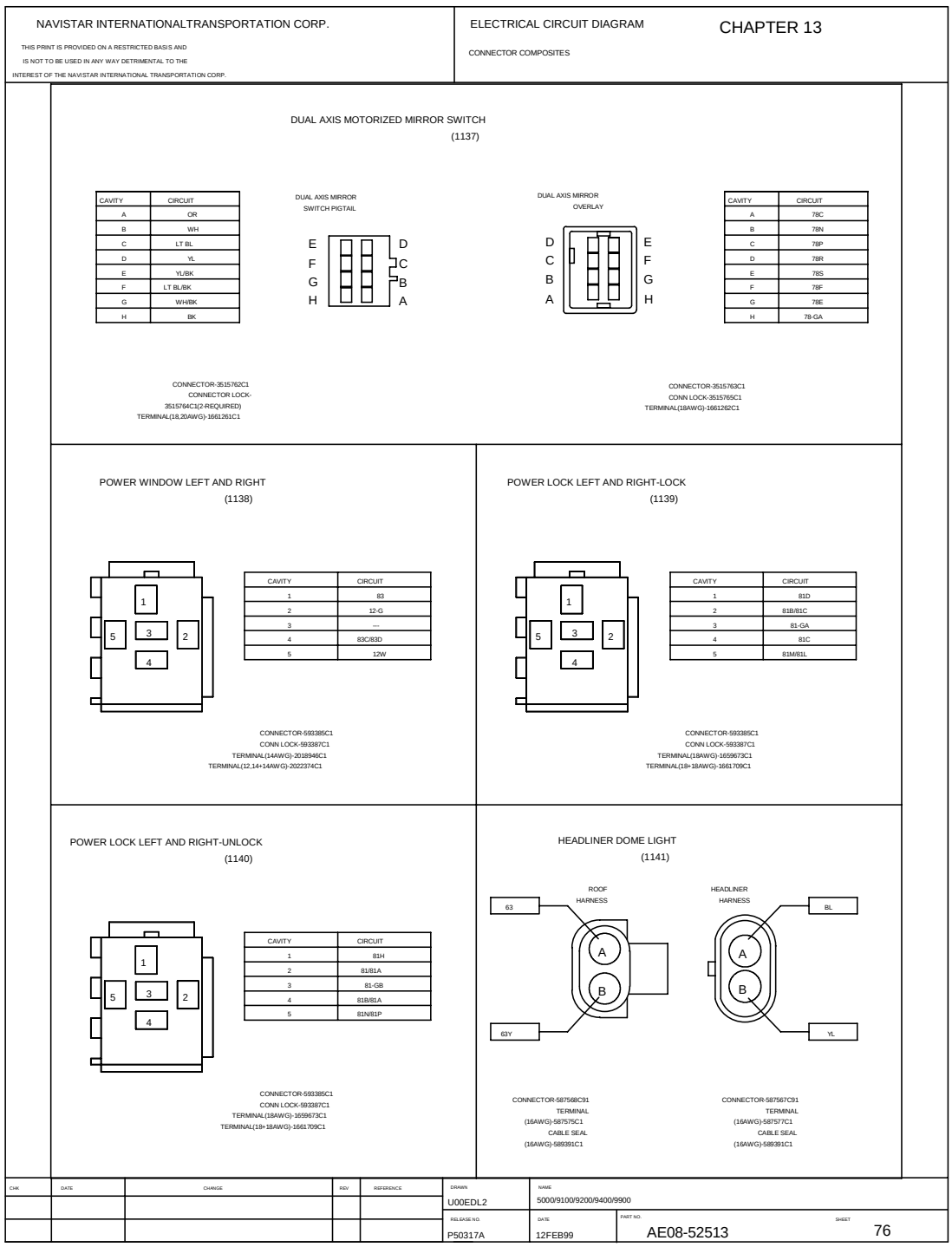


Figure 207 Connector Composites (1137), (1138), (1139), (1140), (1141)

13.77. CONNECTOR COMPOSITES (1155), (1156), (1157), (1158), (1159), (1170)

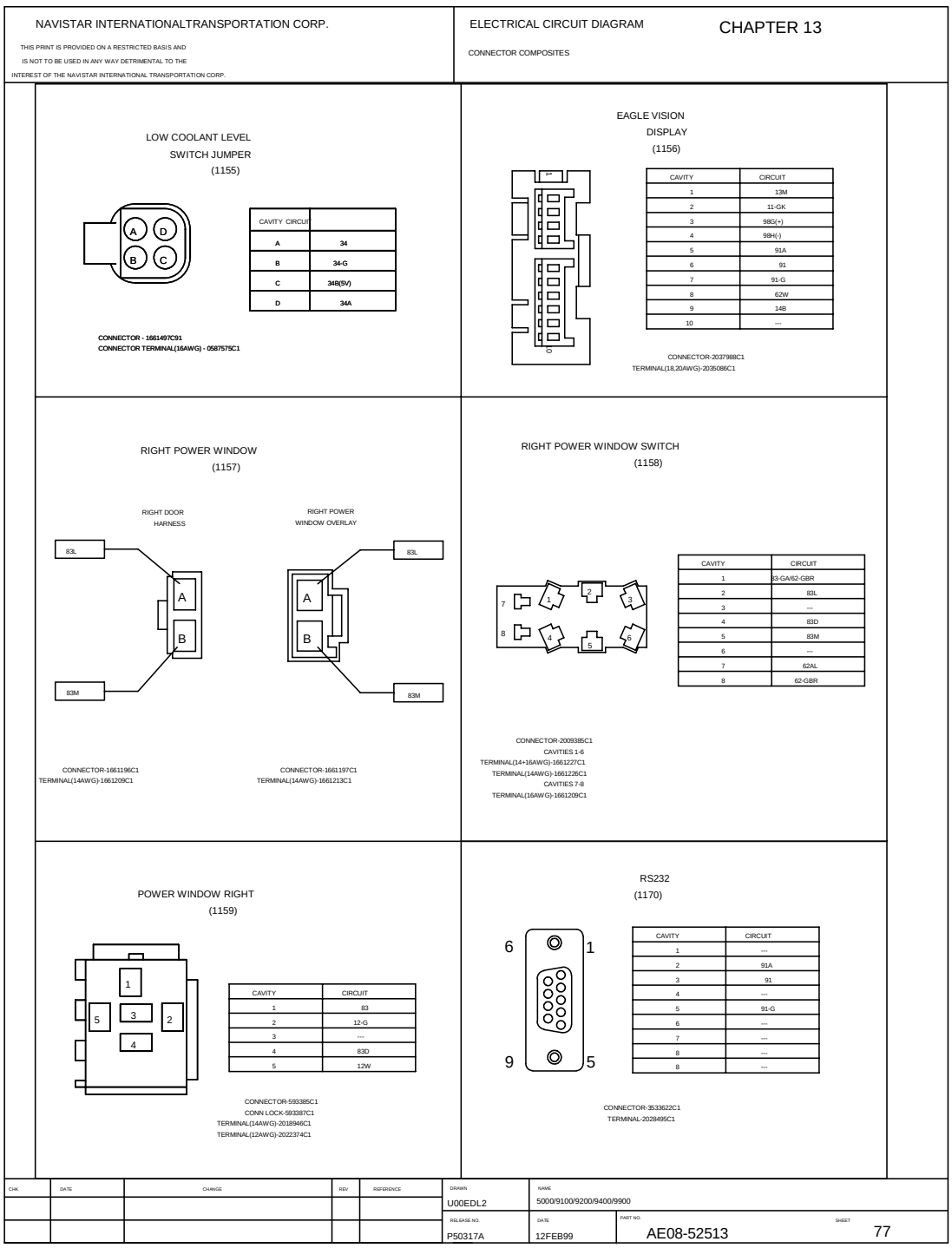


Figure 208 Connector Composites (1155), (1156), (1157), (1158), (1159), (1170)

13.78. CONNECTOR COMPOSITES (1171), (1188), (1189), AND JUNCTION POINTS J7 AND J4

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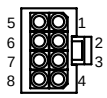
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

CONNECTOR COMPOSTIES
JUNCTION POINTS

WINDSHIELD WIPER DELAY-ON/OFF AND WASHER BOTTLE SWITCH (1171)



CAVITY	CIRCUIT
1	12BC
2	62AG
3	82B
4	82J
5	87A
6	82-GB
7	---
8	---

CONNECTOR-3534177C1
TERMINAL(16AWG)-3534193C1

JUNCTION POINTS

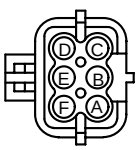
J7-IN DASH PANEL-LEFT SIDE

39-G - AIR DRYER
52-GD - HEADLIGHT,RT FRT/PARK/TURN
52-GB - HEADLIGHT
11-GR - HEADLIGHT
64-GC - FOG LIGHTS/RT HEADLIGHTS
52-GA - LEFT HEAD/PARK/TURN-FRT

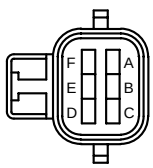
J4-IN DASH PANEL-RIGHT SIDE

32-G - RR AXLE TEMP 4X2
32-G - FWD RR AXLE TEMP 6X4
36-GA - RR RR AXLE TEMP 6X4
36-GA - FUEL LEVEL SENDER
11-GA -

(1188) DASH GROMMET



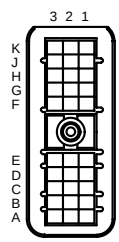
CONNECTOR-2024437C1
CONN LOCK-2011364C1
TERMINAL(16,18,20AWG)-1667742C1



CONNECTOR-2011340C1
CONN LOCK-2011364C1
TERMINAL(16,18,20AWG)-1661875C1

CONNECTOR			
CAVITY	CIRCUIT	CAVITY	CIRCUIT
A	98YL(+)	D	98YL(+)
B	98SHD	E	98SHD
C	98GN(-)	F	98GN(-)

AUTOSHIFT SHIFT SELECTOR (1189)



CONNECTOR-3537833C1
TERMINAL-1651943C1
SEALING PLUG-1687788C1

CONNECTOR			
CAVITY	CIRCUIT	CAVITY	CIRCUIT
A1	---	F1	98YL(+)
A2	17W	F2	98GN(-)
A3	17-GA	F3	98SHD
B1	---	G1	98YL(+)
B2	98U(+)	G2	98GN(-)
B3	62Y	G3	98SHD
C1	92S	H1	---
C2	98V(-)	H2	---
C3	17U	H3	---
D1	---	J1	92G
D2	---	J2	92H
D3	---	J3	92J
E1	92N	K1	92K
E2	92P	K2	92L
E3	92R	K3	92M

CHK	DATE	CHANGE	REV.	REFERENCE	DRAWN	NAME
		REMOVED 1241, 1258 &	C	54719V	U00EDL2	5000/9200/9400/9900
		1279 ADDED 1188 & 1189			RELEASE NO. P50317A	DATE 12FEB99

PART NO. AE08-52513 SHEET 78

Figure 209 Connector Composite (1171), (1188), (1189), and Junction Points J4 and J7

13.79. CONNECTOR COMPOSITES (1190), (1193), (1194), (1195), (1223), (1224), (1225)

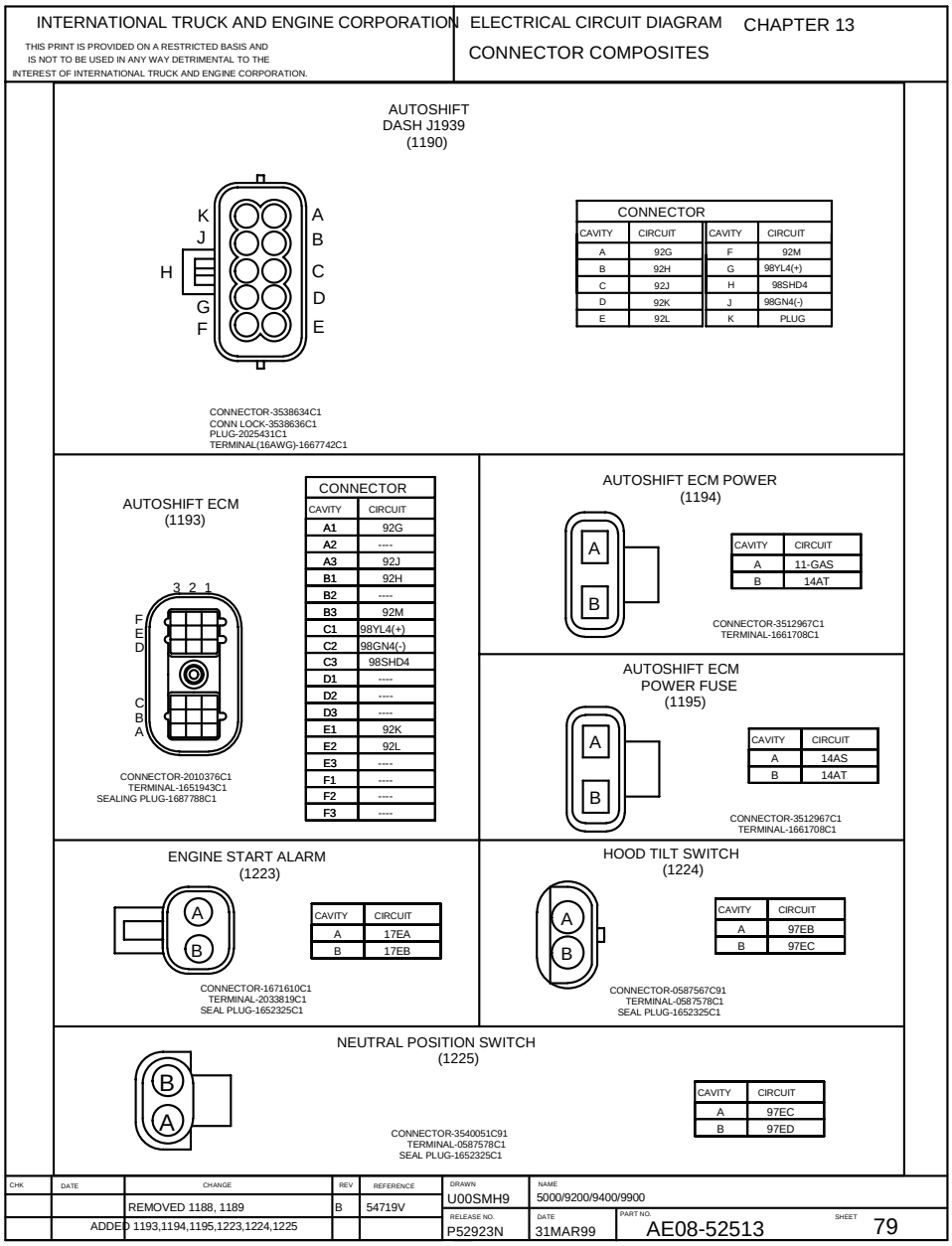


Figure 210 Connector Composites (1190), (1193), (1194), (1195), (1223), (1224), (1225)

13.80. CONNECTOR COMPOSITES (1227), (1229), (1239A, B, C), (1239), (1240)

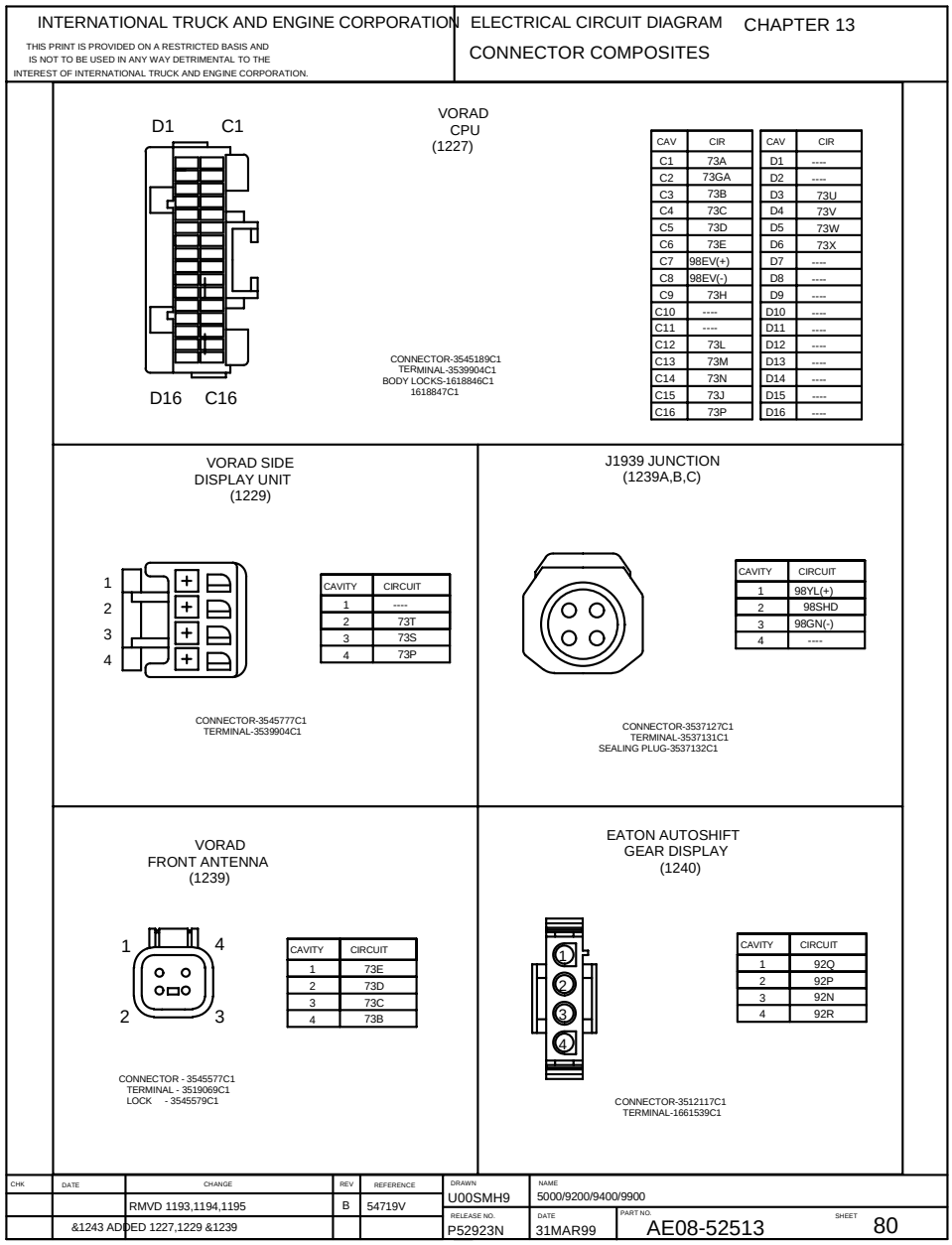


Figure 211 Connector Composites (1227), (1229), (1239A, B, C), (1239), (1240)

13.81. CONNECTOR COMPOSITES (1241), (1243), (1244), (1258), (1260), (1261)

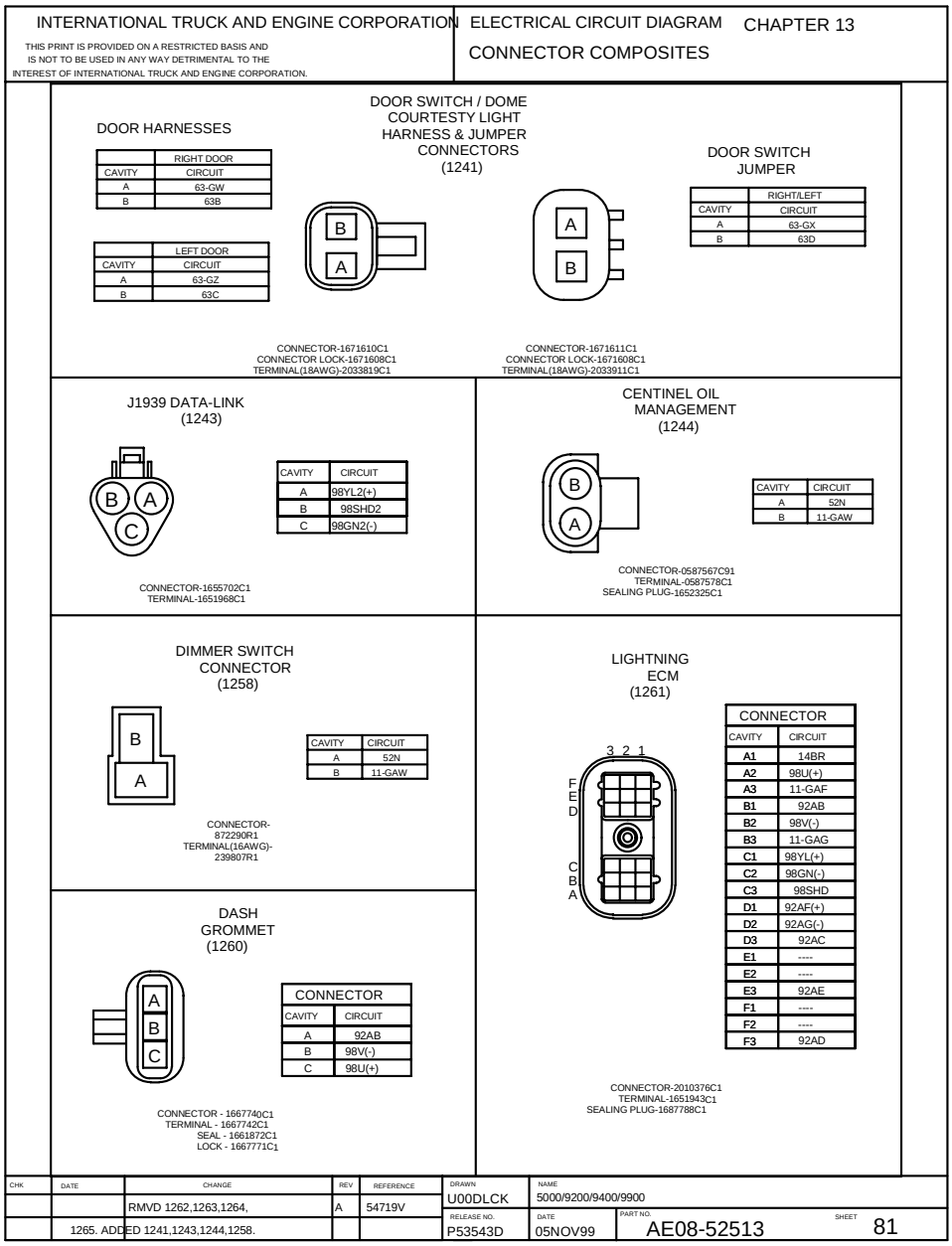


Figure 212 Connector Composites (1241), (1243), (1244), (1258), (1260), (1261)

13.82. CONNECTOR COMPOSITES (1262), (1263), (1264), (1265), (1279)

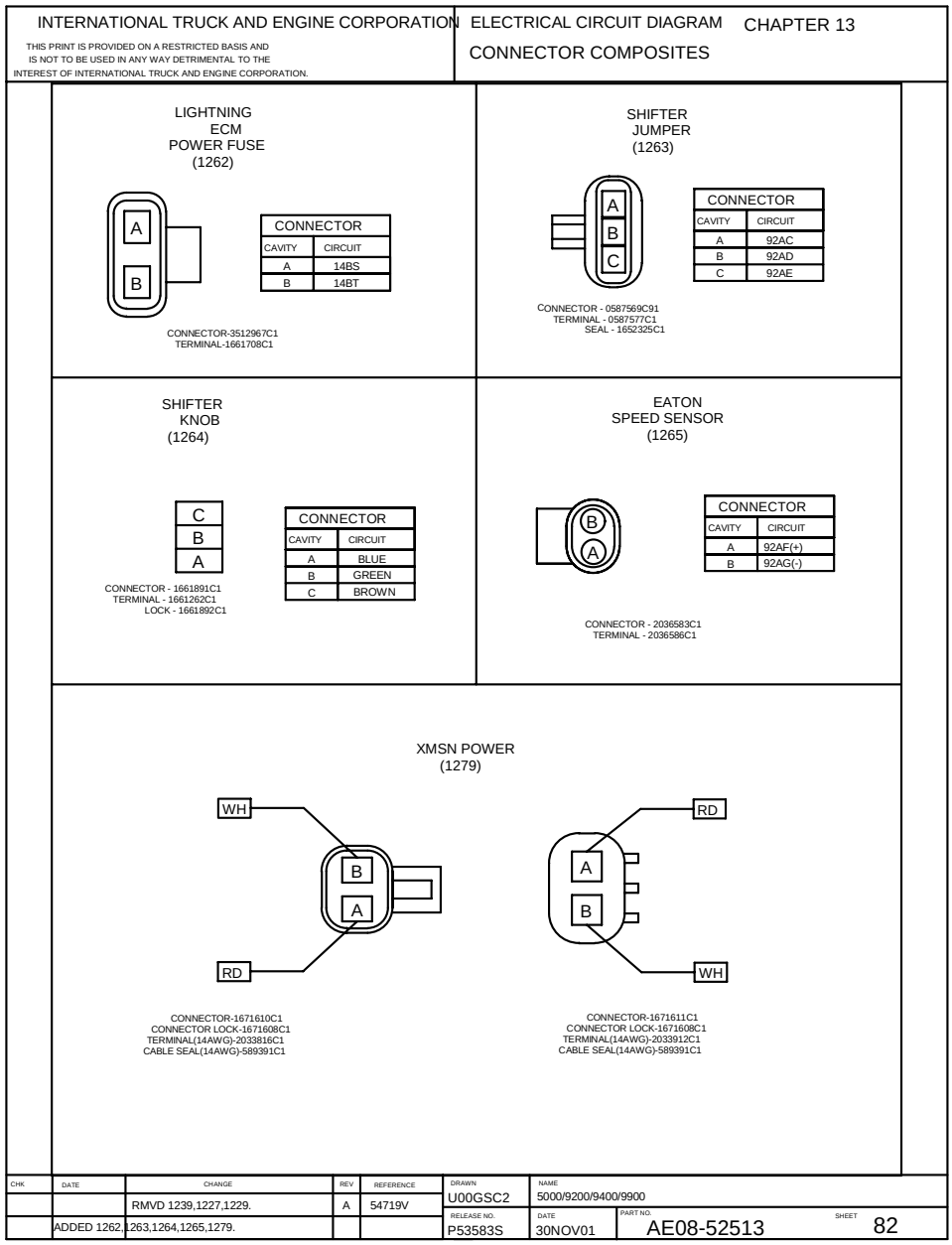


Figure 213 Connector Composites (1262), (1263), (1264), (1265), (1279)

13.83. LEFT BLANK INTENTIONALLY

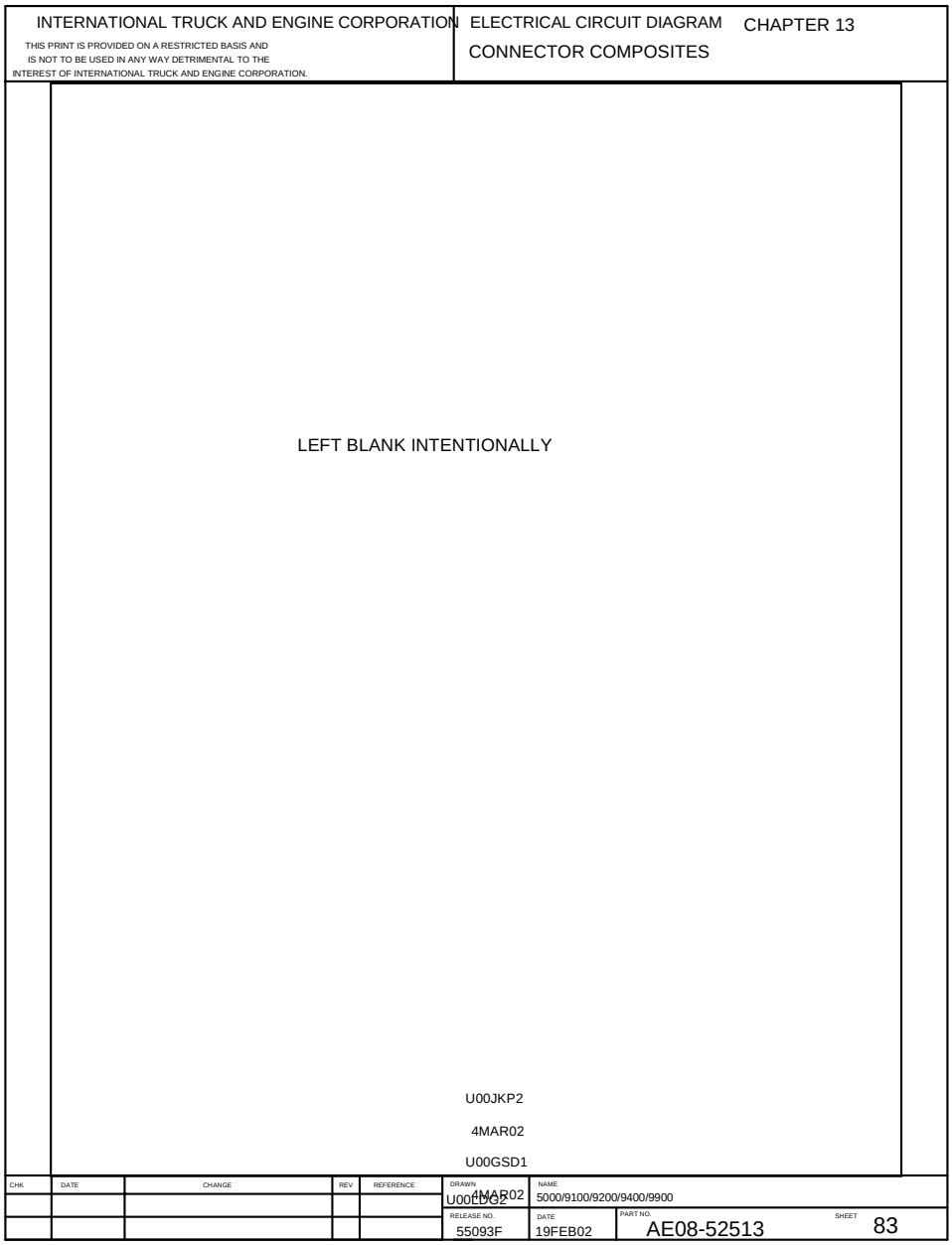


Figure 214 Left Blank Intentionally

13.84. CONNECTOR COMPOSITE (1285)

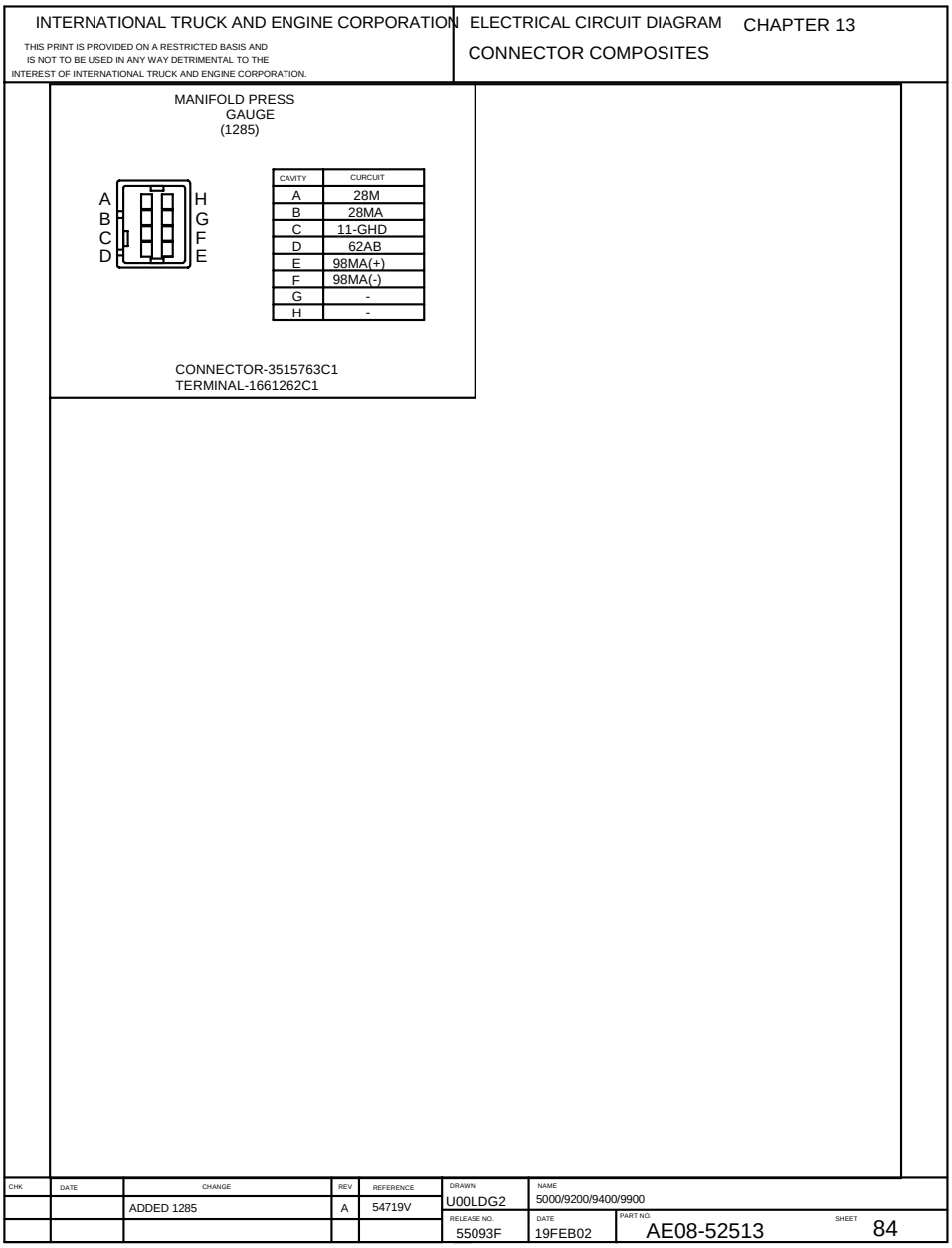


Figure 215 Connector Composite (1285)

13.85. CONNECTOR COMPOSITES (1286), (1287), (1288), (1289), (1290)

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

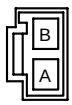
CONNECTOR COMPOSITES

RIGHT LUGGAGE LIGHT
(1286)

CAVITY	CIRCUIT
A	63AH
B	63-GD

CONNECTOR - 1669973C1
TERMINAL(18AWG) - 1661212C1

LEFT LUGGAGE LIGHT
(1287)



CAVITY	CIRCUIT
A	63AL
B	63-GAK

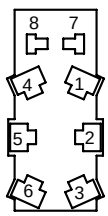
CONNECTOR - 1669973C1
TERMINAL(18AWG) - 1661212C1

CENTER LUGGAGE LIGHT
(1288)

CAVITY	CIRCUIT
A	63AN
B	63-GN

CONNECTOR - 1669973C1
TERMINAL(18AWG) - 1661212C1

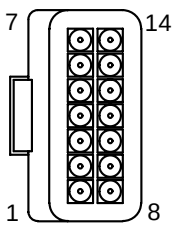
ACCENT LIGHT SWITCH
(1289)



CAVITY	CIRCUIT
1	----
2	----
3	----
4	----
5	63BA
6	63BB
7	62Y
8	62-GY

CONNECTOR - 2009385C1
TERMINAL,CAV 1-6(18AWG) - 1661224C1
TERMINAL,CAV 7-8(18AWG) - 1661208C1

EM100 CONNECTOR
(1290)



CAV	CIRCUIT
1	14D2
2	PLUG
3	PLUG
4	11-G2
5	13D2
6	97EA
7	97EH
8	97ER
9	97EJ
10	97PB2
11	97EM
12	14ED
13	17EB
14	17EA

CONNECTOR - 3573078C1
TERMINAL - 3573077C1

LEFT BLANK INTENTIONALLY

CHK	DATE	CHANGE	REV	REFERENCE
		ADDED 1290	A	54719V

DRAWN U00LDG2
NAME 5000/9200/9400/9900
RELEASE NO. 55093F
DATE 19FEB02
PART NO. AE08-52513
SHEET 85

Figure 216 Connector Composites (1286), (1287), (1288), (1289), (1290)

13.86. CONNECTOR COMPOSITES (1304), (1305), (1306), (1307)

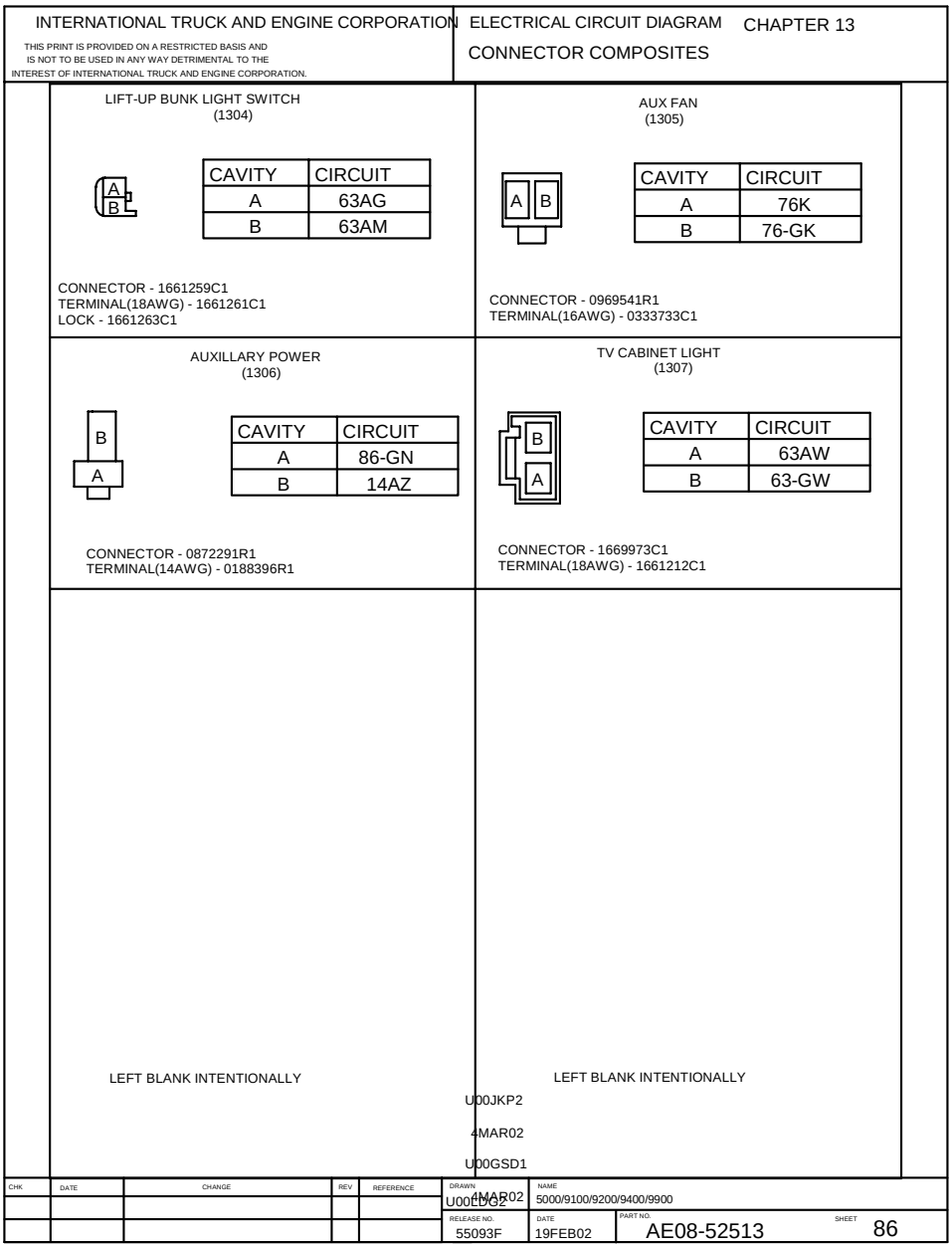


Figure 217 Connector Composites (1304), (1305), (1306), (1307)

13.87. CONNECTOR COMPOSITES (1310), (1311), (1312), (1313), (1315)

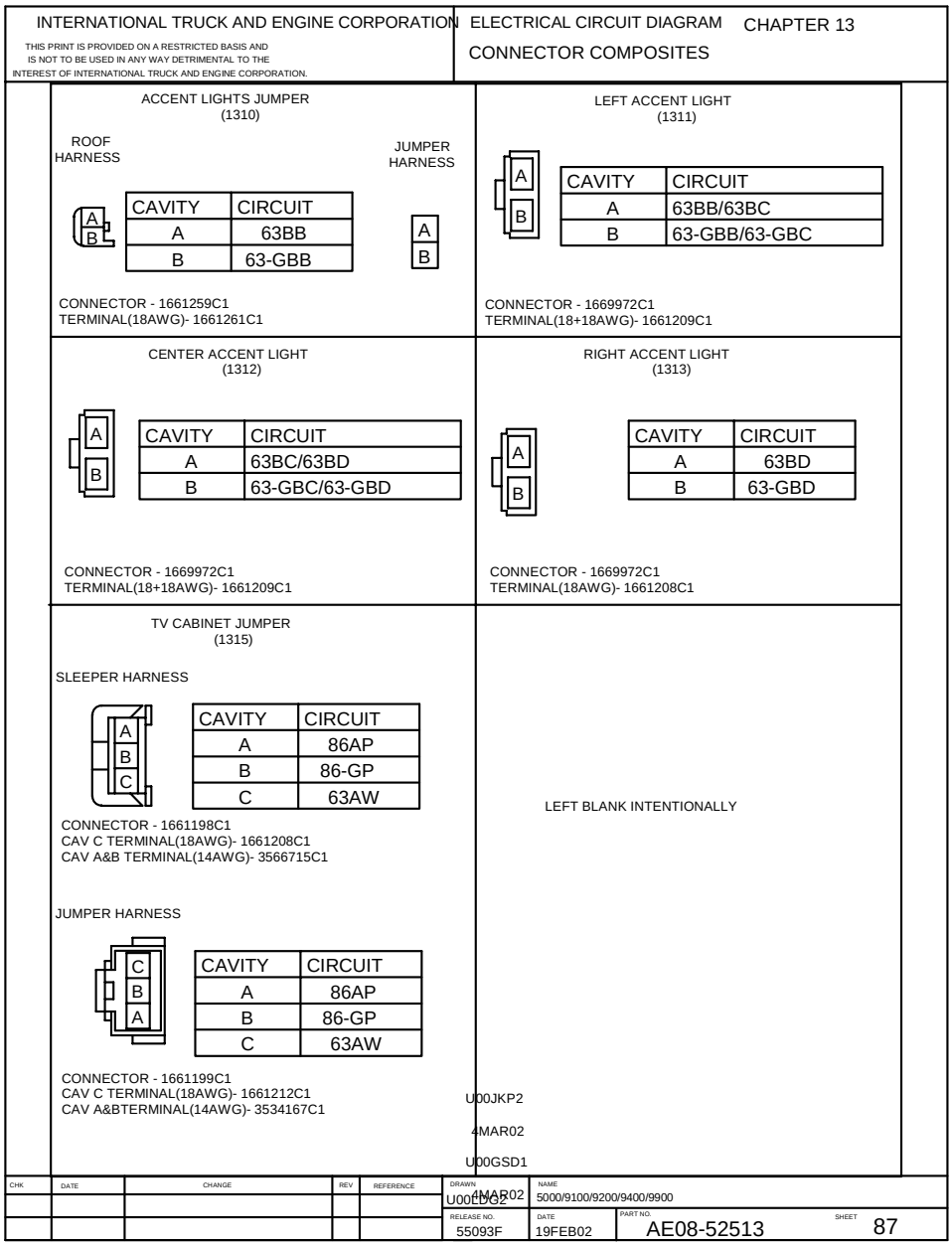


Figure 218 Connector Composites (1310), (1311), (1312), (1313), (1315)

13.88. CONNECTOR COMPOSITES (1322), (1323), (1324), (1327), (1328)

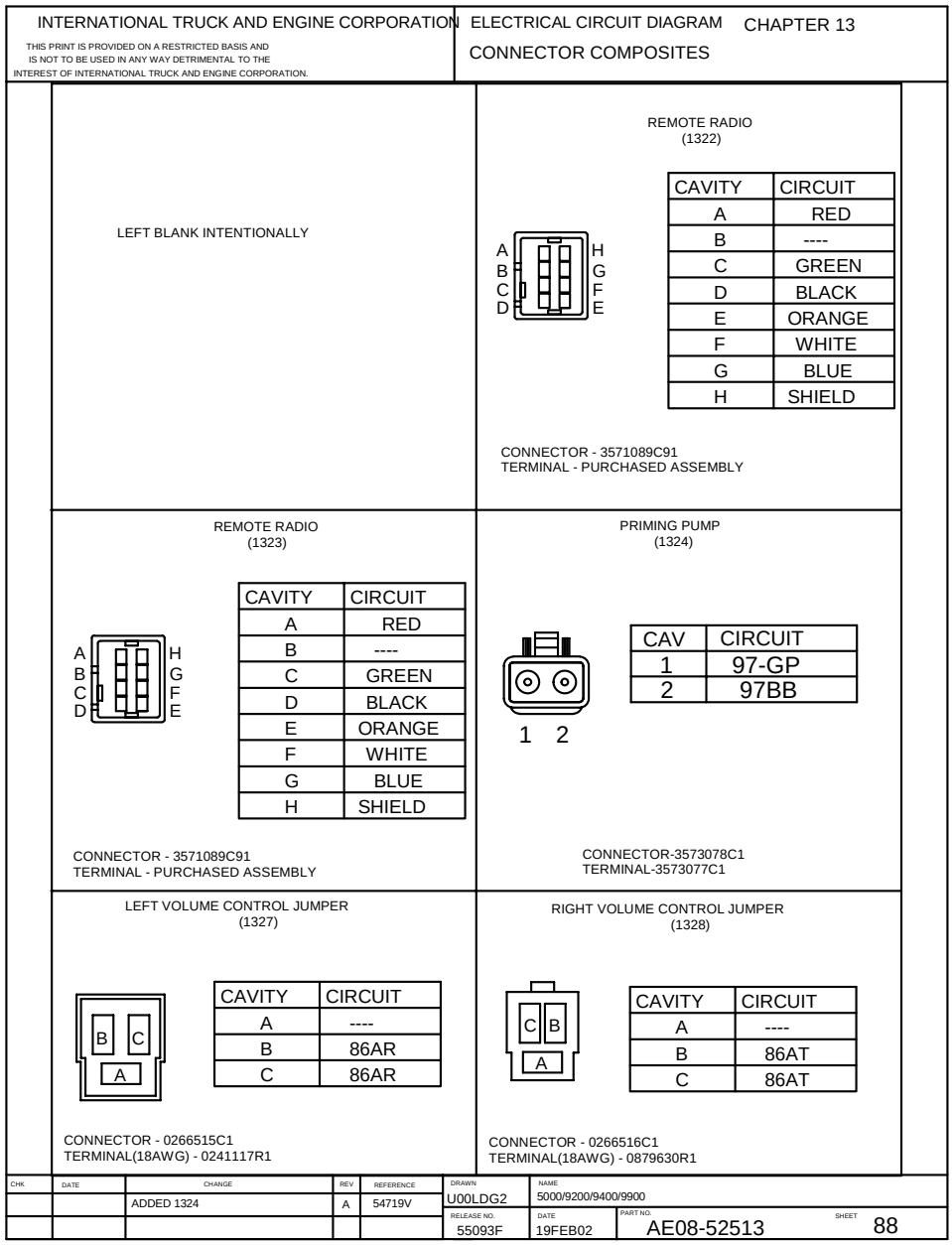


Figure 219 Connector Composites (1322), (1323), (1324), (1327), (1328)

13.89. CONNECTOR COMPOSITES (1331), (1332)

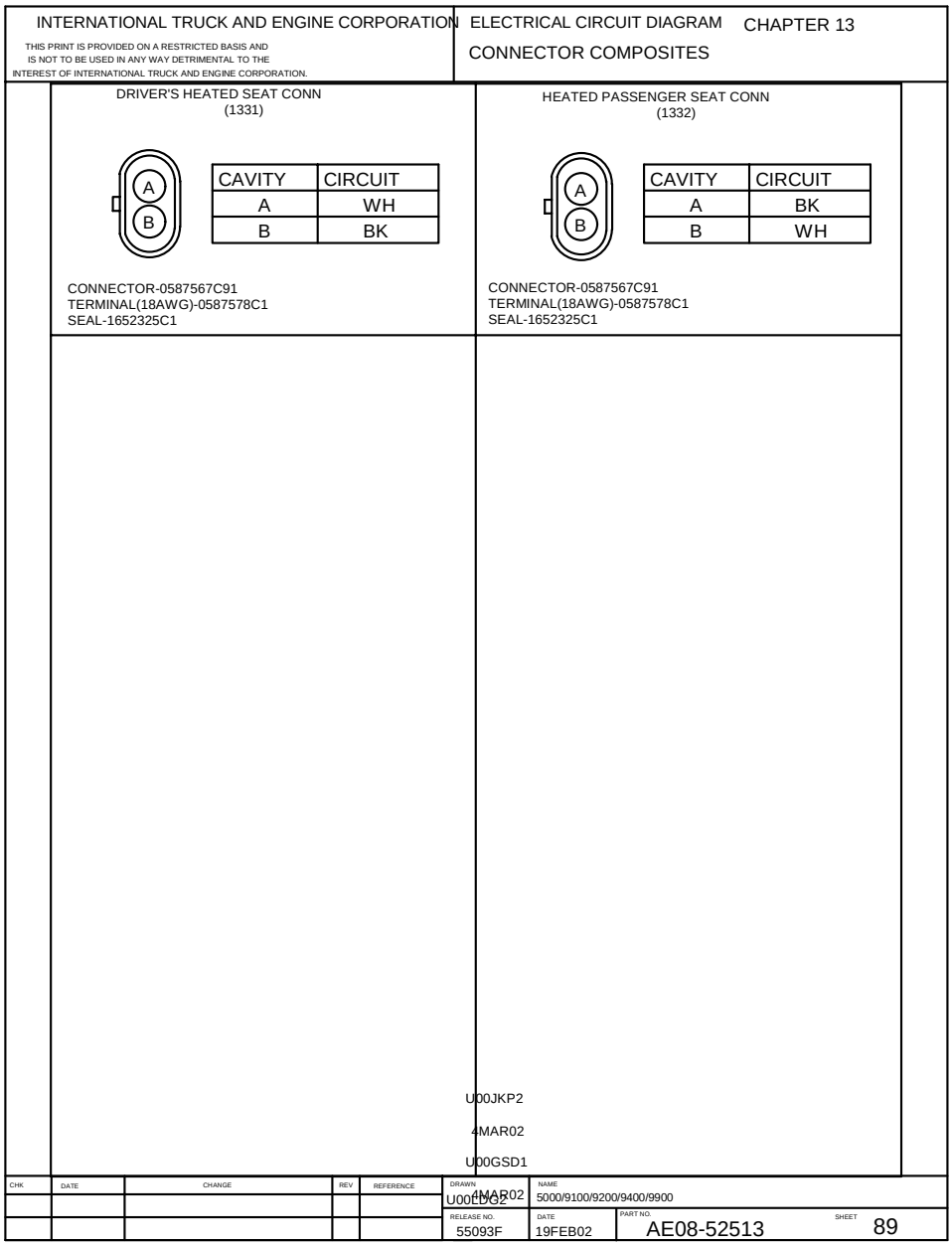


Figure 220 Connector Composites (1331), (1332)

14. FUSES, CIRCUIT BREAKERS, RELAYS (CHAPTER 14)

14.1. POWER DISTRIBUTION CENTER, FUSE AND CIRCUIT BREAKER LOCATION, P. 1

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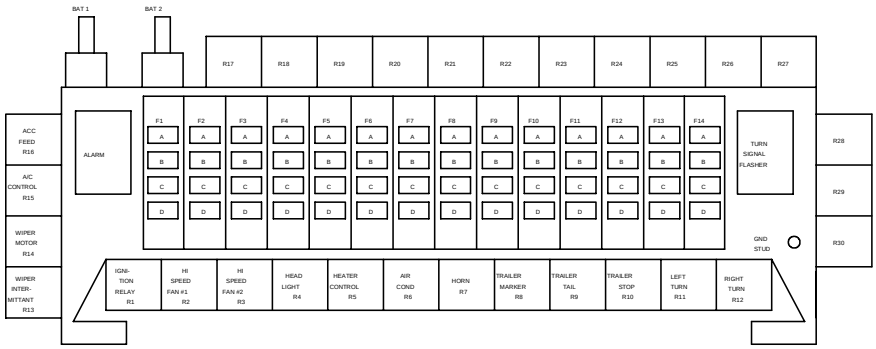
ELECTRICAL CIRCUIT DIAGRAM — CHAPTER 14

POWER DISTRIBUTION CENTER

FUSE & CIRCUIT BREAKER LOCATION

POWER DISTRIBUTION CENTER



FUSE AND CIRCUIT BREAKER LOCATION

LOCATION	SIZE	DESCRIPTION
F1-A	30A	HEATER MOTOR, HIGH FAN SPEED
F1-B	10A	AIR CONDITIONER COMPRESSOR
F1-C	20A	HEATER & A/C CONTROLS; LOW, MEDIUM FAN SPEEDS
F1-D	15A	READING/SPOT LIGHTS
F2-A	15A	CIGARETTE LIGHTER/WORK LIGHTS
F2-B	10A	DOME AND COURTESY LIGHTS
F2-C	30A	IGNITION RELAY
F2-D	20A	TURN SIGNAL AND HAZARD FLASHER LIGHTS
F3-A	20A	TRAILER MARKER AND IDENTIFICATION LIGHTS
F3-B	20A	TRACTOR STOP LIGHTS
F3-C	30A	TRAILER TAIL AND CLEARANCE LIGHTS & F8-C
F3-D	10A	TRAILER TAIL & CLEAR MARKER & IDENT LTS RELAY
F4-A	10A	IGN - INSTRUMENTS
F4-B	25A	PASSENGER ELECTRIC WINDOW
F4-C	10A	BACK-UP LIGHTS
F4-D	15A*	WINDSHIELD WIPER - WINDSHIELD WASHER
F5-A	10A	HEATED MIRRORS
F5-A	15A	HEATED AND MOTORIZED MIRRORS
F5-B	15A	RADIO/CB/DEFROSTER FANS
F5-C	15A	BAT - RADIO MEMORY/INSTRUMENT/HORN
F5-D	20A	BATTERY POWER SOURCE/ENGINE DATA LINK
F6-A	20A	SPARE 1 (B+)
F6-B	10A	SPARE 2 (B+)

* TYPE 1 CIRCUIT BREAKER ONLY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
					U00EDL2	5000/9100/9200/9400/9900
					RELEASE NO. P50317A	DATE 12FEB99 — PART NO. AE08-52514 — SHEET 1

Figure 221 Power Distribution Center, Fuse and Circuit Breaker Location

14.2. FUSE AND CIRCUIT BREAKER LOCATION (CONT.), P. 2

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

FUSE & CIRCUIT BREAKER LOCATION (CONTINUED)

LOCATION	SIZE	DESCRIPTION
F6-C	30A	A3 - ACCESSORY RELAY FOR A3-ADAPTER
F6-D	20A	ENGINE ECM POWER (CAT)
F6-D	5A**	ENGINE ECM POWER (CUMMINS,DETROIT)
F7-A	25A	KEY SWITCH CIRCUIT & RELATED RELAYS FOR IGN & ACC
F7-B	15A	TRAILER LEFT TURN LIGHTS & INDICATOR BULB
F7-C	15A	TRAILER RIGHT TURN LIGHTS & INDICATOR BULB
F7-D	30A	TRAILER STOP LIGHTS
F8-A	10A*	HEADLIGHT SWITCH RELAY FEED
F8-B	25A*	HEADLIGHT FEED
F8-C	15A	LIGHTS PANEL-MIRROR,CAB CLEAR,TRACTOR PARK & TAIL
F8-D	20A	SLEEPER-DOME,READING & LUGGAGE LIGHTS
F9-A	10A	AIR DRYER FEED
F9-B	20A	IGN-DAYTIME RUNNING LIGHTS FEED
F9-C	5A**	BAT-DAYTIME RUNNING LIGHTS FEED
F9-D	10A	HEATER CONTROL MODULE IGNITION FEED
F10-A	15A	TRAILER ABS POWER FEED
F10-B	30A	WIPER-WASHER/ACCESSORY

THE FOLLOWING FUSE AND CIRCUIT BREAKERS (LOCATIONS F10-C THRU F13-D) ARE OPTIONAL. LOCATIONS ARE CHOSEN BY COMPUTER SOFTWARE PROGRAM ACCORDING TO CUSTOMER ORDER. SEE POWER DISTRIBUTION CENTER FOR ACTUAL LOCATIONS.

F10-C	10A	FAN DRIVE (DETROIT)
F10-D	15A	OPTIMIZED IDLE-INDICATOR LIGHT & ALARM
F11-A	15A	OPTIMIZED IDLE-IGNITION RELAY & THERMOSTAT
F11-B	20A	FUEL SOLENOID W/3406C MECH
F11-C	20A	KYSOR SHUTDOWN W/3406C MECH
F11-D	5A**	ENGINE DATA LINK W/3406C MECH
F12-A	15A	ENGINE BRAKE W/3406C MECH
F12-B	15A	BUNK AUXILIARY BLOWER
F12-C	10A	EXHAUST PYROMETER
F12-D	10A	ETHER START
F13-A	20A	FOG LIGHTS
F13-B	30A	BENDIX ABS IGNITION
F13-C	10A	BENDIX ABS TRACTION CONTROL
F13-D	10A	WABCO ABS IGNITION
F14-A	10A	IGN - WABCO ABS
F14-B	10A	ANALOG CLOCK
F14-C	30A	SPARE SWITCH FEED
F14-D	15A	KYSOR LOW COOLANT
	10A	MERITOR G SERIES XMSN
	5A	REFRIGERATOR
	10A	DRIVER HEATED SEAT
	10A	PASSENGER HEATED SEAT

* TYPE 1 CIRCUIT BREAKER ONLY

** FUSE ONLY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JKP	4MAR02	F9-D FUSE WAS 15A,	B	55093F	U00EDL2	5000/9100/9200/9400/9900
ADDED REFRIGERATOR & HEATED SEAT.					RELEASE NO. P50317A	DATE 12FEB99 / PART NO. AE08-52514 / SHEET 02

Figure 222 Power Distribution Center, Fuse and Circuit Breaker Location (Cont.)

14.3. RELAY LOCATION, P. 3

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

RELAY LOCATION

LOCATION	DESCRIPTION
R1	IGNITION
R2	HIGH SPEED FAN
R3	MEDIUM SPEED FAN
R4	HEADLIGHT
R5	HEATER CONTROL
R6	AIR CONDITIONER
R7	HORN
R8	TRAILER MARKER
R9	TRAILER TAIL
R10	TRAILER STOP
R11	LEFT TURN
R12	RIGHT TURN
R13	ELECT WIPER/INTERMITTANT
R14	ELECT WIPER MOTOR
R15	A/C CONTROL RELAY
R16	ACCESSORY FEED RELAY
R17	AIR DRYER
R18	BUNK AUX BLOWER
R19	FOG LIGHTS
R20	RELAY CONTROL ACC ADAPTER
R21	ABS TRAILER RELAY

THE FOLLOWING RELAYS (LOCATIONS R22 THRU R30) ARE OPTIONAL. LOCATIONS ARE CHOSEN BY COMPUTER SOFTWARE PROGRAM ACCORDING TO CUSTOMER ORDER. SEE POWER DISTRIBUTION CENTER FOR ACTUAL LOCATIONS.

R22	ABS IGNITION OR BATTERY
R23	ABS WARNING LIGHT
R24	ABS ENGINE BRAKE INTERRUPT
R25	SPARE ACC RELAY SWITCH
R26	KYSOR SHUTDOWN
R27	ABS BATTERY
R28	
R29	
R30	

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
					U00EDL2	5000/9100/9200/9400/9900		
					RELEASE NO. P50317A	DATE 12FEB99	PART NO. AE08-52514	SHEET 3

Figure 223 Relay Location

14.4. PRO SLEEPER FUSE INDEX, P. 4

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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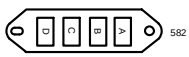
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 14

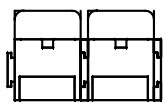
PRO-SLEEPER FUSE INDEX

PRO-SLEEPER FUSE INDEX



MEDIUM SEED

HIGH SPEED



LEFT LUGGAGE COMPARTMENT

LOCATION	SIZE	DESCRIPTION
582-A	20A	TV/VCR
582-B	5A	AUXILLIARY FAN
582-C	10A	OVERHEAD CABINET LTS
582-D	---	NOT USED

LEFT BLANK
INTENTIONALLY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JKP	4MAR02	FUSE 582-B WAS 10A,	A	55093F	U00EDL2	5000/9100/9200/9400/9900
FUSE 582-C WAS 5A		& REFRIGERATOR.			RELEASE NO. P50317A	DATE 12FEB99 / PART NO. AE08-52514 / SHEET 04

Figure 224 Pro Sleeper Fuse Index