12. CONNECTOR COMPOSITES (CHAPTER 12)

12.1. CONNECTOR COMPOSITES (10M), (71), (72), (345F), P. 1

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

AUXILIARY POWER (10M)
(LOCATED IN INSTRUMENT PANEL)

CONNECTOR - 1661197C1

CIGAR LIGHTER TYPE

CAV	CIR	GAUGE	COLOR	TERM
A	A86M	14	LT GN	3534167C1
B	A86-GA	14	WH	3534167C1

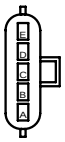
TWO POST TYPE

CAV	CIR	GAUGE	COLOR	TERM
A	A86N	14	LT GN	3534167C1
B	A86-GB	14	WH	3534167C1

CONNECTOR - 1661196C1

CAV	CIR	GAUGE	COLOR	TERM
A	A86M	14	LT GN	1661209C1
B	A86-GA	14	WH	1661209C1

LEFT TAIL LIGHT (71)
(LOCATED AT TAIL LIGHTS)



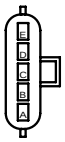
CONNECTOR - 1661375C2
BODY LOCK - 1661376C1
PLUG - 0587579C1

STOP & TAIL LIGHT TO LIGHT

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	S71C	14	LT BL	2033816C1	0589391C1
B	S68C	14	BN	2033816C1	0589391C1
C	S57B	14	LT GN	2033816C1	0589391C1
D	PLUG	-	-	-	-
E	S10-GC	14	WH	2033816C1	0589391C1

RIGHT TAIL LIGHT (72)
(LOCATED AT TAIL LIGHTS)

CONNECTOR - 1661375C2
BODY LOCK - 1661376C1
PLUG - 0587579C1



STOP & TAIL LIGHT TO LIGHT

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	S71C	14	LT BL	2033816C1	0589391C1
B	S68C	14	BN	2033816C1	0589391C1
C	S57B	14	LT GN	2033816C1	0589391C1
D	PLUG	-	-	-	-
E	S10-GC	14	WH	2033816C1	0589391C1

CLEARANCE LIGHT
(345F)
(LOCATED IN ROOF OF CAB)

CONNECTOR - 1661260C1
BODY LOCK - 1661264C1

CAV	CIR	GAUGE	COLOR	TERM
A	58A	18	BN	1661261C1
B	58-GA	18	WH	1661261C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
		10M WAS 10. 345F WAS	B	56507K	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		345. RMV'D CHART (72)			RELEASE NO. P52778H	DATE 28JUN00 · PART NO. AF08-52376 · SHEET 01

Figure 175 Connector Composites (10M), (71), (72), (345F)

12.2. CONNECTOR COMPOSITES (420F), (421F), (422M), (520), (521), (522), (523), (524), P. 2

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

SHIFT SELECTOR (420F) (LOCATED IN INSTRUMENT PANEL)

CONNECTOR - 3522538C91
BODY LOCK - 3518287C1
PLUG - 3518314C1

CAV	CIR	GAUGE	COLOR	TERM
A	A170	18	OR	3517243C1
B	A171	18	LT GN	3517243C1
C	A172	18	DK BL	3517243C1
D	A173	18	YL	3517243C1
E	A174	18	TN	3517243C1
L	-	-	-	-
M	A175	18	LT GN	3517243C1
N	A124	18	PK	3517243C1
P	A143D	18	GY	3517243C1
R	A136D	18	PK	3517243C1
S	A180	18	DK BL	3517243C1
T	A186	18	DK BL	3517243C1
U	A62L	18	DK BL	3517243C1
V	A188	18	DK BL	3517243C1

FELSTED SHIFTER PARK BRAKE (421F) (LOCATED IN INSTRUMENT PANEL)

CONNECTOR - 1667741C1
BODY LOCK - 1667771C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	A62-GC	18	WH	1661875C1	1661872C1
B	A92AF	18	TN	1661875C1	1661872C1
C	A92AG	18	TN	1661875C1	1661872C1

SHIFTER (422M) (LOCATED IN INSTRUMENT PANEL)

CONNECTOR - 3540756C1
BODY LOCK - 3540758C1
BODY LOCK2 - 3540759C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	A92VA	16	PK	1667742C1	1661872C1
B	A128D	18	YL	1667742C1	3568570C1
C	A123	18	PK	1667742C1	1661872C1
D	A110	18	YL	1667742C1	1661872C1

CLEARANCE LIGHT (520) (LOCATED IN SUNSHADE)

CONNECTOR - 1661259C1
BODY LOCK - 1661263C1

CAV	CIR	GAUGE	COLOR	TERM
A	58B	18	BN	1661261C1
B	58-GB	18	WH	1661261C1

CLEARANCE LIGHT (521) (LOCATED IN SUNSHADE)

CONNECTOR - 1661259C1
BODY LOCK - 1661263C1

CAV	CIR	GAUGE	COLOR	TERM
A	58C	18	BN	1661261C1
B	58-GC	18	WH	1661261C1

CLEARANCE LIGHT (522) (LOCATED IN SUNSHADE)

CONNECTOR - 1661259C1
BODY LOCK - 1661263C1

CAV	CIR	GAUGE	COLOR	TERM
A	58D	18	BN	1661261C1
B	58-GD	18	WH	1661261C1

CLEARANCE LIGHT (523) (LOCATED IN SUNSHADE)

CONNECTOR - 1661259C1
BODY LOCK - 1661263C1

CAV	CIR	GAUGE	COLOR	TERM
A	58E	18	BN	1661261C1
B	58-GE	18	WH	1661261C1

CLEARANCE LIGHT (524) (LOCATED IN SUNSHADE)

CONNECTOR - 1661259C1
BODY LOCK - 1661263C1

CAV	CIR	GAUGE	COLOR	TERM
A	58F	18	BN	1661261C1
B	58-GF	18	WH	1661261C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	18AUG04	REF 422M WAS 422F	D	59334D	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		P/N WAS 3540757C1			RELEASE NO. P52778H	DATE 31MAY00 · PART NO. AE08-52376 · SHEET 02

Figure 176 Connector Composites (420F), (421F), (422M), (520), (521), (522), (523), (524)

12.3. CONNECTOR COMPOSITES (734M), (1002), (1003), (1010), P. 3

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

XATA COMPUTER PROVISION (734M)

CAV	CIR	GAUGE	COLOR	TERM
A	A14Z	18	RD	1661261C1
B	A11-GZ	18	WH	1661261C1
C	A98(+)	18	DK BL	1661261C1
D	A98(-)	18	GY	1661261C1

CONNECTOR - 1667305C1
LOCK (2) - 1661263C1

PANEL LIGHT ADAPTER (1002) (LOCATED IN INSTRUMENT PANEL)

CAV	CIR	GAUGE	COLOR	TERM
A	A62N	18	DK BL	1661208C1
B	A62L	18	DK BL	1661208C1
B	A62J	18	DK BL	1661208C1
C	A62P	18	LT BL	1661208C1
D	A62D	18	DK BL	1661208C1
E	A62R	18	DK BL	1661208C1
F	A21B	16	TN	1661209C1
G	A62F	18	DK BL	1661208C1
H	-	-	-	-
J	-	-	-	-
K	HB62	18	GY	1661208C1

CONNECTOR - 2007315C1

NOTE:
A62L USED WITH WTEC TRANSMISSION
A62J USED WITH EATON AUTO SHIFT

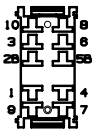
GROUND ADAPTER (1003) (LOCATED IN INSTRUMENT PANEL)

CAV	CIR	GAUGE	COLOR	TERM
A	A11-GAL	12	WH	1661211C1
B	A11-GBA	18	WH	1661208C1
C	A62-GC	18	WH	1661208C1
C	A62-GD	18	WH	1661208C1
D	A23-GA	18	WH	1661208C1
E	A11-GDY	12	WH	1661211C1
E	A11-GDY	12	WH	1661211C1
F	A62-GF	18	WH	1661208C1
G	A21-G	16	WH	1661209C1
H	A41-G	18	WH	1661208C1
J	-	-	-	-
K	-	-	-	-

CONNECTOR - 2007315C1

NOTE:
A62-GC USED WITH LCT TRANSMISSIONS
A62-GD USED WITH WTEC TRANSMISSIONS

ETHER START (1010) (LOCATED IN INSTRUMENT PANEL)



CAV	CIR	GAUGE	COLOR	TERM
1	-	-	-	-
2B	A21C	16	TN	1661226C1
3	A21E	16	TN	1661226C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	A21B	16	TN	1661226C1
9	-	-	-	-
10	A21-G	16	WH	1661226C1

CONNECTOR - 3520850C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA	23JUN05	ADDED HB62 TO CAV K	C	59464N
		OF 1002		

DRAWN U00JXP9 — NAME 42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
RELEASE NO. P52778H — DATE 21JUN00 — PART NO. AE08-52376 — SHEET 03

Figure 177 Connector Composites (734M), (1002), (1003), (1010)

12.4. CONNECTOR COMPOSITE (1011), P. 4

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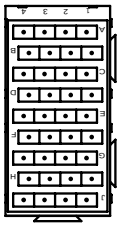
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

FUSE BLOCK #1 (1011)
LOCATED IN INSTRUMENT PANEL



CONNECTOR - 3534572C1

BODY LOCK - 3536085C1

CAV	CIR	GAUGE	COLOR	TERM
A1	A78P	16	LT GN	3573312C1
A2	A14AS	10	RD	3536303C1
A3	A14	10	RD	3536303C1
A4	A14AB	10	RD	3536303C1
B1	A78J	16	LT GN	3573312C1
B2	A86M	14	LT GN	3573312C1
B3	A81B	12	LT GN	3573311C1
B4	A81A	12	LT GN	3573311C1
C1	A62M	16	DK BL	3573312C1
C2	(A14AS)	-	-	3536303C1
C3	(A14)	-	-	3536303C1
C4	(A14AB)	-	-	3536303C1
D1	A62N	16	DK BL	3573312C1
D2	A73B	16	LT GN	3573312C1
D3	-	-	-	-
D4	A63D	18	DK BL	3573312C1
D4	A86A	20	LT GN	3573312C1
E1	A12C	10	LT BL	3536298C1
E1	A12B	10	LT BL	3573311C1
E2	(A14AS)	-	-	3536303C1
E3	(A14)	-	-	3536303C1
E4	A14AB	-	-	3536303C1
F1	A12P	18	LT BL	3573312C1
F1	A12N	18	LT BL	3573312C1
F2	A15	18	RD	3573312C1
F2	A98	18	VT	3573312C1
F3	A84	14	LT GN	3573312C1
F4	-	-	-	-
G1	(A12C)	-	-	3536298C1
G1	(A12B)	-	-	3536298C1
G2	(A14AS)	-	-	3536303C1
G3	(A14)	-	-	3536303C1
G4	(A14AB)	-	-	3536303C1
H1	A86E	18	LT GN	3573312C1
H1	A86	20	LT GN	3573312C1
H2	A28	16	TN	3573312C1
H3	A14G	16	RD	3573312C1
H4	A73C	12	LT GN	3573311C1

LOCATION	CAVITY	RATING	PART NUMBER FUSE	PART NUMBER BREAKER	DESCRIPTION
F13	A1, B1	10 AMPS	3534209C1	3536178C1	RIGHT MIRROR HEAT
F9	C1, D1	5 AMPS	3534208C1	-	OPTIONAL PANEL LIGHTS
F5	E1, F1	5 AMPS	3534208C1	-	SYSTEM CONTROLLER/6 SW PACK
F1	G1, H1	10 AMPS	3534209C1	3536178C1	CB/RADIO
F14	A2, B2	20 AMPS	353421C1	3536180C1	AUX POWER SOURCE
F10	C2, D2	5 AMPS	3534208C1	-	HEATER-A/C CONTROL
F6	E2, F2	5 AMPS	3534208C1	-	KEY SWITCH/DIAGNOSTIC CONN
F2	G2, H2	15 AMPS	3534210C1	3536179C1	INSTRUMENT CLUSTER
F15	A3, B3	30 AMPS	3534213C1	3536182C1	POWER WINDOW/LOCK-DRIVERS DOOR
F11	C3, D3	N/A	-	-	-
F7	E3, F3	15 AMPS	3534210C1	3536179C1	CIGAR LIGHTER
F3	G3, H3	15 AMPS	3534210C1	3536179C1	OWNER/OPERATOR
F16	A4, B4	30 AMPS	3534213C1	3536182C1	POWER WINDOW/LOCK-PASS RT FRT DR
F12	C4, D4	10 AMPS	3534209C1	3536178C1	DOME LIGHTS/MAP LIGHTS/RADIO
F8	E4, F4	-	-	-	NOT AVAILABLE
F4	G4, H4	30 AMPS	3534213C1	3536182C1	HEATER-A/C BLOWER

NOTE:

CIRCUIT NAMES DEGINATED WITH PARENTESES REPRESENT
BUSS BARS

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
		RMVD & ADDED MULTIPLE	B	56507K	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		CIR NUMBERS TO (1011).			RELEASE NO. P52778H	DATE 31MAY00 / PART NO. AE08-52376 / SHEET 04

Figure 178 Connector Composite (1011)

12.5. CONNECTOR COMPOSITE (1012), P. 5

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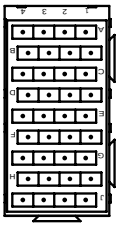
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

FUSE BLOCK #2 (1012)
LOCATED IN INSTRUMENT PANEL



CONNECTOR - 3534572C1

BODY LOCK - 3536085C1

CAV	CIR	GAUGE	COLOR	TERM
A1	A13A1	10	PK	3536303C1
A2	A13A1	10	PK	3515516C1
A2	(A13AH)	-	-	3515516C1
A3	A92-GA	16	WH	3515517C1
A4	A13DE	16	PK	3515517C1
B1	A41B	16	GY	3573312C1
B2	A99E	16	VT	3573311C1
B3	-	-	-	-
B4	-	-	-	-
C1	(A13A1)	-	-	3536303C1
C2	(A13AH)	-	-	3515516C1
C3	A17C	16	PK	3536295C1
C4	A92DW	16	TN	3515517C1
D1	A13B	16	PK	3573312C1
D2	A13HC	18	PK	3515517C1
D2	A13HC	16	PK	3573312C1
D3	A11-GAD	16	WH	3573311C1
D3	A11-GAE	16	WH	3573311C1
D4	A14AV	10	RD	3573311C1
E1	(A13A1)	-	-	3536303C1
E2	A13AH	10	PK	3515516C1
E3	-	-	-	-
E4	-	-	-	-
F1	A75C	18	LT GN	3536295C1
F1	A28A	16	TN	3536295C1
F2	A13AF	18	PK	3515517C1
F2	A75D	18	LT GN	3515517C1
F3	A13AH	10	PK	3573311C1
F4	A13AG	16	PK	3573312C1
G1	(A13A1)	-	-	3536303C1
G2	A78M	16	LT GN	3573312C1
G3	A11-GAF	16	WH	3573312C1
G4	A14AT	10	RD	3573311C1
H1	A13DE	16	PK	3536295C1
H1	A92Y	16	TN	3536295C1
H1	A92VA	16	PK	3573312C1
H2	A78H	16	LT GN	3573312C1
H3	-	-	-	-
H4	-	-	-	-
J1	-	-	-	-
J2	-	-	-	-
J3	A12B	10	LT BL	3573311C1
J4	A12M	16	LT BL	3573312C1

LOCATION	CAVITY	RATING	PART NUMBER FUSE	PART NUMBER BREAKER	DESCRIPTION
F23	A1, B1	5 AMPS	3534208C1	-	COMPASS/TEMP
F21	C1, D1	5 AMPS	3534208C1	-	OWNER/OPERATOR
F19	E1, F1	5 AMPS	3534208C1	-	INST CLUSTER/HTR-A/C CONTROLS
F17	G1, H1	10 AMPS	3534209C1	3536178C1	ALLISON LCT/EATON AUTOSHIFT-AUTOCLUTCH
F24	A2, B2	5 AMPS	3534208C1	-	ACCELERATOR/CLUTCH SW
F22	C2, D2	5 AMPS	3534208C1	-	HYD BRK MON/DRIVERS INFO CENTER
F20	E2, F2	5 AMPS	3534208C1	-	SYSTEM CONTROLLER & HVAC LPM
F18	G2, H2	10 AMPS	3534209C1	3536178C1	LEFT MIRROR HEAT

RELAY PIN #		
85, 86, 30, 87, 87a		
CAVITY	PART NUMBER	RELAY DESCRIPTION
D3, F4, D4, F3, E3	3519350C1	IGNITION
G3, J4, G4, J3, H3	3519350C1	ACCESSORY
A3, C4, A4, C3, B3	3519350C1	AUTO SHIFT

NOTE:

CIRCUIT NAMES DEGINATED WITH PARENTESES REPRESENT
BUSS BARS

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
		RMVD & ADDED MULTIPLE	C	56507K	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		CIR NUMBERS TO (1012)			RELEASE NO. P52778H	DATE 31MAY00 / PART NO. AE08-52376 / SHEET 05

Figure 179 Connector Composite (1012)

12.6. CONNECTOR COMPOSITE (1013), P. 6

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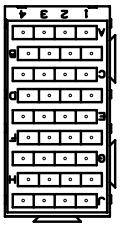
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

FUSE BLOCK #3 (1013)
LOCATED IN INSTRUMENT PANEL



CONNECTOR - 3534572C1

BODY LOCK - 3536085C1

-	CIR	GAUGE	COLOR	TERM
A1	A13FB	10	PK	3515516C1
A2	A13FB/(A13FA)	10/-	PK/-	3536303C1
A3	A12D	10	LT BL	3573311C1
A4	A12E	10	LT BL	3573311C1
B1	A21C	16	TN	3573312C1
B2	A13DA	16	PK	3573312C1
B3	A12X	14	LT BL	3573312C1
B3	A12S	16	LT BL	3573312C1
B4	A78L	16	LT GN	3573312C1
C1	(A13FB)	-	-	3515516C1
C2	(A13FA)	-	-	3536303C1
C3	-	-	-	-
C4	A13G	16	WH	3573312C1
D1	A59H	18	BK	3573312C1
D2	A13RA	18	PK	3536295C1
D2	A12RD	18	RD	3515517C1
D2	HA13A	16	PK	3573312C1
D3	A92#125	18	TN	3515517C1
D3	A104H	16	DK BL	3573312C1
D4	A13	16	PK	3573312C1
D4	A13RB	18	PK	3536295C1
D4	A104E	16	DK BL	3573312C1
E1	(A13FB)	-	-	3515516C1
E2	(A13FA)	-	-	3536303C1
E3	-	-	-	-
E4	-	-	-	-
F1	A13K	16	PK	3573312C1
F2	-	-	-	-
F3	A92RK	18	TN	3515517C1
F3	A104C	16	DK BL	3573312C1
F4	A13RA	18	PK	3515517C1
F4	A104D	18	DK BL	3573312C1
G1	-	-	-	-
G2	A13FA	10	PK	3536303C1
G3	A11-GBA	18	WH	3515517C1
G4	A14FJ	10	RD	3573311C1
H1	-	-	-	-
H2	A13F	16	PK	3573311C1
H3	-	-	-	-
H4	-	-	-	-
J1	-	-	-	-
J2	-	-	-	-
J3	A13FA	10	PK	3573311C1
J4	A13DB	18	PK	3515517C1

LOCATION	CAVITY	RATING	PART NUMBER FUSE	PART NUMBER BREAKER	DESCRIPTION
F33	A1, B1	10 AMPS	3534208C1	3536178C1	ETHER START
F31	C1, D1	5 AMPS	3534208C1	-	LIFT AXLE
F29	E1, F1	5 AMPS	3534208C1	-	OPT WARNING LTS
F27	G1, H1	5 AMPS	3534208C1	-	OPEN
F34	A2, B2	10 AMPS	3534208C1	3536178C1	SNOW VALVE
F32	C2, D2	OPEN	-	-	-
F30	E2, F2	5 AMPS	3534208C1	-	2-WAY RADIO
F28	G2, H2	10 AMPS	3534208C1	3536178C1	QUALCOM
F35	A3, B3	5 AMPS	3534208C1	-	TRLR AUX/ROOF AUX
F36	A4, B4	5 AMPS	3534208C1	-	POWER MIRROR

RELAY PIN #	-	-
85, 86, 30, 87, 87a	-	-
CAVITY	PART NUMBER	RELAY DESCRIPTION
D3, F4, D4, F3, E3	3519350C1	EATON AUTOSHIFT
D3, F4, D4, F3, E3	3519350C1	REMOTE STOP
G3, J4, G4, J3, H3	3519350C1	IGNITION

NOTE:
CIRCUIT NAMES DESIGNATED WITH PARENTHESES REPRESENT BUSS BARS

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	23JUN05	ADDED HA13A TO CAV D2	G	59464N	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 31MAY00 · PART NO. AE08-52376 · SHEET 06

Figure 180 Connector Composite (1013)

12.7. CONNECTOR COMPOSITE (1014), P. 7

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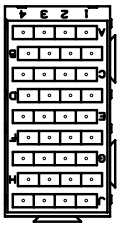
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

FUSE BLOCK #4 (1014)
LOCATED IN INSTRUMENT PANEL



CONNECTOR - 3534572C1

BODY LOCK - 3536085C1

CAV	CIR	GAUGE	COLOR	TERM
A1	A14FG	10	RD	3536298C1
A2	A14FM	10	RD	3536303C1
A3	A70NS	16	RD	3573312C1
A4	A12Z	14	LT BL	3573312C1
B1	A81D	12	LT GN	3573311C1
B2	A14NS	10	BK	3573311C1
B3	A70NP	16	RD	3573312C1
B4	A12U	14	LT BL	3573312C1
C1	A14FG	10	RD	3536298C1
C2	A14FM	10	RD	3536303C1
C3	-	-	-	-
C4	-	-	-	-
D1	A14HE	16	RD	3573312C1
D2	HA14A	16	RD	3573312C1
D3	A58AE	20	BN	3536294C1
D3	A104A	18	DK BL	3515517C1
D4	A58AC	16	BN	3573311C1
D4	A104EA	16	DK BL	3573312C1
E1	A14FG	10	RD	3536298C1
E2	A14FM	10	RD	3536303C1
E3	A72B	12	OR	3573311C1
E3	A13RS	18	PK	3515517C1
E4	-	-	-	-
F1	A14FF	16	RD	3673312C1
F2	A58AB	16	BN	3573312C1
F3	A58AB	16	BN	3573312C1
F3	A72C	12	OR	3573311C1
F3	A104B	16	DK BL	3573312C1
F4	A58AB	16	BN	3573312C1
F4	A104C/A104B	16/18	DK BL	3573311C1
G1	A14FG	10	RD	3536303C1
G2	A14FM	10	RD	3536303C1
G3	-	-	-	-
G4	A14FR	10	RD	3573311C1
H1	A81C	12	LT GN	3573311C1
H2	A14J	14	RD	3573312C1
H3	-	-	-	-
H4	-	-	-	-
J1	-	-	-	-
J2	-	-	-	-
J3	A12Z	14	LT BL	3573312C1
J4	A12Y	14	LT BL	3573312C1

LOCATION	CAVITY	RATING	PART NUMBER FUSE	PART NUMBER BREAKER	DESCRIPTION
F43	A1, B1	30 AMPS	3534213C1	3536182C1	POWER WINDOW/LOCK-PASS RT RR DR
F41	C1, D1	5 AMPS	3534208C1	-	TRAILER AUX
F39	E1, F1	5 AMPS	3534208C1	-	AUX GA & SW PACK/DRIVERS INFO CTR
F37	G1, H1	30 AMPS	3534213C1	3536182C1	POWER WINDOW/LOCK-PASS LT RR DR
F44	A2,B2	OPEN	-	-	-
F42	C2,D2	OPEN	-	-	-
F40	E2, F2	10 AMPS	3534209C1	3536178C1	AIR SHIELD LIGHT
F38	G2, H2	10 AMPS	3534209C1	3536178C1	W/QUALCOM OR
F38	G2, H2	20 AMPS	3534211C1	3536180C1	W/AIR SEAT,HYD CHASSIS
F45	A3,B3	OPEN	-	-	-
F46	A4, B4	20 AMPS	3534211C1	3536180C1	ROOF AUX

RELAY PIN #		
85, 86, 30, 87, 87a		
CAVITY	PART NUMBER	RELAY DESCRIPTION
D3, F4, D4, F3, E3	3519350C1	LIGHTED AIR SHIELD
G3, J4, G4, J3, H3	3519350C1	ROOF MTD ACCESSORY
G3, J4, G4, J3, H3	3519350C1	REMOTE STOP

NOTE:

CIRCUIT NAMES DEGINATED WITH PARENTESES REPRESENT BUSS BARS

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	23JUN05	ADDED HA14A TO CAV D2	E	59464N	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 31MAY00 · PART NO. AE08-52376 · SHEET 07

Figure 181 Connector Composite (1014)

12.8. CONNECTOR COMPOSITES (1018), (1019M), (1020M), (1021M), (1022M), P. 8

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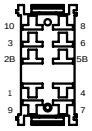
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

HORN SWITCH (1018)
(LOCATED IN INSTRUMENT PANEL)



CONNECTOR - 3520850C1

CAV	CIR	GAUGE	COLOR	TERM
1	-	-	-	-
2B	A85L	18	GY	1661224C1
3	A9M	18	GY	1661224C1
4	-	-	-	-
5b	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	A62R	18	DK BL	1661224C1
9	-	-	-	-
10	A62-GF	18	WH	1661224C1

LIFT AXLE CONTROLS
(1019M)

CONNECTOR - 1661889C1
BODY BLOCK - 1661890C1

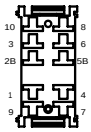
CAV	CIR	GAUGE	COLOR	TERM
A	A59H	18	BK	1661261C1
B	A59J	18	BK	1661261C1
C	A59-G	16	WH	1661261C1

(1019F)

CONNECTOR - 1661891C1
BODY BLOCK - 1661892C1

CAV	CIR	GAUGE	COLOR	TERM
A	T59H	18	BK	1661262C1
B	T59J	18	BK	1661262C1
C	T59-G	18	WH	1661262C1

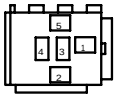
AXLE ENABLE SWITCH
(1020M)



CAV	CIR	GAUGE	COLOR	TERM
1	T59R	18	BK	1661224C1
2B	T59H	18	BK	1661224C1
8	T59T	18	BK	1661224C1
10	T59-GA	18	WH	1661224C1

CONNECTOR - 3520850C1
BODY LOCK - 0593387C1

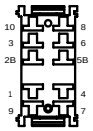
LIFT AXLE RELAY
(1021M)



CAV	CIR	GAUGE	COLOR	LENGTH	TERM
1	T59J	18	BK		1659673C1
2	T59-GC	18	WH		1659673C1
3					
4	T59K	18	BK		1661709C1
4	T59L	18	BK	C75	1661709C1
5	T59L	18	BK	C75	1661709C1
5	T59R	18	BK		1661709C1

CONNECTOR - 0593385C1
BODY LOCK - 0593387C1

AXLE UP/DOWN SWITCH
(1022M)



CAV	CIR	GAUGE	COLOR	LENGTH	TERM
1	T59A	18	BK	C75	3541250C1
1	T59M	18	BK		
2B	T59S	18	BK		1661224C1
8	T59A	18	BK	C75	1661224C1
10	T59-GB	18	WH		1661224C1

CONNECTOR - 3520850C1
BODY LOCK - 0593387C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
		RMV'D 1023M,1025M	C	56507K	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		1026M, & CIR T59MB			RELEASE NO. P52778H	DATE 31MAY00 / PART NO. AE08-52376 / SHEET 08

Figure 182 Connector Composites (1018), (1019M), (1020M), (1021M), (1022M)

12.9. CONNECTOR COMPOSITES (1027M, F), (1040), (1100), (1101A), (1101), (1102), P. 9

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12
CONNECTOR COMPOSITES - MATING VIEW SHOWN

CHASSIS CONN
(LIFT AXLE)

(1027M)

CONNECTOR - 1667305C1
BODY LOCK - 1661263C1

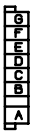
CAV	CIR	GAUGE	COLOR	TERM
A	T59MB	18	BK	1661261C1
B	-	-	-	-
C	-	-	-	-
D	-	-	-	-

(1027F)

CONNECTOR - 0475081C1

CAV	CIR	GAUGE	COLOR	TERM
A	T59M	18	BK	0241117R1

OPTIONAL WARNING LIGHTS ADAPTOR (1040)



CONNECTOR - 2006789C1

CAV	CIR	GAUGE	COLOR	TERM
A	A13K	16	PK	1661208C1
B	A49C	18	GY	1661208C1
C	A49E	18	GY	1661208C1
D	A42A	18	GY	1661208C1

KEY SWITCH (1100)
(LOCATED IN INSTRUMENT PANEL)

CONNECTOR - 3546518C1
BODY LOCK - 3546519C1

CAV	CIR	GAUGE	COLOR	TERM
A	A15	18	RD	1661209C1
B	A17	18	PK	1661209C1
C	A12AB	18	LT BL	1661209C1
C	A12	18	LT BL	1661209C1
D	A13DH	18	PK	1661209C1
D	A104EB	18	DK BL	1661209C1
D	A13DD	18	PK	1661209C1

SWITCH PACK (1101A)
(LOCATED IN INSTRUMENT PANEL)

CONNECTOR - 2031872C1
BODY LOCK - 2031874C1

CAV	CIR	GAUGE	COLOR	TERM
A	A11-GJ	18	WH	1661262C1
B	A12FC	18	LTBL	1661262C1
C	A62S	18	DK BL	1661262C1

SWITCH PACK (1101)
(LOCATED IN INSTRUMENT PANEL)

CONNECTOR - 2031871C1
BODY LOCK - 2031873C1

CAV	CIR	GAUGE	COLOR	TERM
A	A11-GDB	18	WH	1661261C1
B	A12P	18	LT BL	1661261C1
C	A62C	18	DK BL	1661261C1
D	A3E(+)	20	DK BL	3544254C1
D	A3J(+)	18	DK BL	1661261C1
E	A3F(-)	20	GY	3544254C1
E	A3K(-)	18	GY	1661261C1

FUSE BLOCKS 3 & 4 IGN FEED (1102)
(LOCATED IN INSTRUMENT PANEL)

CONNECTOR - 1661260C1
BODY LOCK - 1661264C1

CAV	CIR	GAUGE	COLOR	TERM
A	A13DC	18	PK	1661262C1
B	-	-	-	-

CONNECTOR - 1661259C1
BODY LOCK - 1661263C1

CAV	CIR	GAUGE	COLOR	TERM
A	A13DB	18	PK	1661261C1
B	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	10JUL03	LAS9//ADDED A104EB.	D	57097S	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
CNA	11SEP03	ADDED 1040.	E	58774T	RELEASE NO. P52778H	DATE 31MAY00 PART NO. AE08-52376 SHEET 09

Figure 183 Connector Composites (1027M, F), (1040), (1100), (1101A), (1101), (1102)

12.10. CONNECTOR COMPOSITES (1104), (1105M), (1106), (1200), (1210), (1240), P. 10

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

HYD BRAKE SWITCH (1104) (LOCATED IN INSTRUMENT PANEL)

CAV	CIR	GAUGE	COLOR	TERM
A	A44K	18	GY	1661281C1
B	A44F	18	GY	1661281C1
C	A44H	18	GY	1661281C1
D	A44J	18	GY	1661281C1

CONNECTOR - 1687305C1
BODY LOCK - 1661283C1

DIODE ASSEMBLY (1106)

(LOCATED ABOVE ACCELERATOR PEDAL)

BASE HARNESS

DIODE ASSY

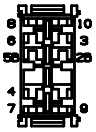
CONNECTOR - 0872291R1
TERMINAL - 0879630R1

DIODE ASSY - 0467404C91

CAV	CIR	GAUGE	COLOR
A	-	-	-
B	A12	18	LTBL
B	A12AB	18	LTBL

PUSH BUTTON START SWITCH (1105M) (LOCATED IN INSTRUMENT PANEL)

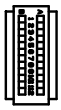
CONNECTOR - 3520850C1



CAV	CIR	GAUGE	COLOR	TERM
1	-	-	-	-
28	A13D	18	PK	1661224C1
3	A17	18	PK	1661224C1
4	-	-	-	-
56	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	A62T	18	DK BL	1661224C1
9	-	-	-	-
10	A62-GH	18	WH	1661224C1

HVAC CONTROL (1200) (LOCATED IN INSTRUMENT PANEL)

CONNECTOR - 3534302C1
BODY LOCK - 3539892C1
BODY LOCK - 3539893C1



CAV	CIR	GAUGE	COLOR	TERM
A1	A75C	18	LT GN	3522073C1
A2	A73B	16	LT GN	3522073C1
A3	-	-	-	-
A4	A77	20	LT GN	3534303C1
A5	-	-	-	-
A6	-	-	-	-
A7	-	-	-	-
A8	-	-	-	-
A9	A75A	20	LT GN	3534303C1
A10	-	-	-	-
A11	A73D	16	LT GN	3522073C1
A12	A62A	18	DK BL	3522073C1
B1	A74	18	LT GN	3522073C1
B2	A74A	18	LT GN	3522073C1
B3	-	-	-	-
B4	-	-	-	-
B5	-	-	-	-
B6	A74-G	18	WH	3522073C1
B7	-	-	-	-
B8	-	-	-	-
B9	A74B	18	LT GN	3522073C1
B10	A74C	18	LT GN	3522073C1
B11	A74D	18	LT GN	3522073C1
B12	A74E	18	LT GN	3522073C1

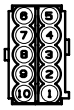
HVAC UNIT (1210) (LOCATED IN INSTRUMENT PANEL)

CONNECTOR - 2005835C1
BODY LOCK - 2006503C1

CAV	CIR	GAUGE	COLOR	TERM
A	A74B	18	LT GN	1661208C1
B	A74C	18	LT GN	1661208C1
C	A74D	18	LT GN	1661208C1
D	A74E	18	LT GN	1661208C1
E	A73C	12	LT GN	1661211C1
F	A73D	16	LT GN	1661209C1
G	A73-G	12	WH	1661211C1
H	A75D	18	LT GN	1661208C1

AUTOSHIFT DISPLAY (1240)

CONNECTOR - 3584887C1
PLUG - 1687788C1



CAV	CIR	GAUGE	COLOR	TERM
1	PLUG	-	-	-
2	A62J	18	DKBL	3548971C1
3	PLUG	-	-	-
4	A92MA	16	TN	3548972C1
5	A92ET	16	TN	3548972C1
6	A3T-	18	GY	3548971C1
7	A3T+	18	DKBL	3548971C1
8	PLUG	-	-	-
9	PLUG	-	-	-
10	PLUG	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JW	8CT05	ADDED CONNECTOR 1240.	E	59822S	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 21JUN00 · PART NO. AE08-52376 · SHEET 10

Figure 184 Connector Composites (1104), (1105M), (1106), (1200), (1210), (1240)

12.11. CONNECTOR COMPOSITES (1300), (1301), (1400), (1402), (1410), (1500), (1510), P. 11

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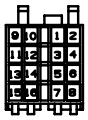
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12
CONNECTOR COMPOSITES - MATING VIEW SHOWN



CONNECTOR - 3597143C1

PREMIUM RADIO (1300)
(LOCATED IN INSTRUMENT PANEL)

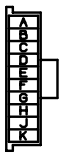
CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM
1	-	-	-	-	9	A86D	20	LT GN	3597102C1
2	-	-	-	-	10	A86E	20	LT GN	3597102C1
3	A86M	18	LT GN	3597102C1	11	A86K	20	LT GN	3597102C1
4	A86	18	LT GN	3597102C1	12	A86L	20	LT GN	3597102C1
5	-	-	-	-	13	A86H	20	LT GN	3597102C1
6	A62E	20	DK BL	3597102C1	14	A86J	20	LT GN	3597102C1
7	A86A	20	LT GN	3597102C1	15	A86B	20	LT GN	3597102C1
8	A86-G	20	WH	3597102C1	16	A86C	20	LT GN	3597102C1

CONNECTOR - 3580403C1

STANDARD RADIO (1301)
(LOCATED IN INSTRUMENT PANEL)

CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM
1	A86H	20	LT GN	3580404C1	7	A86K	20	LT GN	3580404C1
2	A86J	20	LT GN	3580404C1	8	A86L	20	LT GN	3580404C1
3	A86B	20	LT GN	3580404C1	9	A86D	20	LT GN	3580404C1
4	A86C	20	LT GN	3580404C1	10	A86E	20	LT GN	3580404C1
5	A86-G	20	WH	3580404C1	11	-	-	-	-
6	A86	20	LT GN	3580404C1	12	A86A	20	LT GN	3580404C1

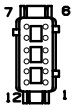
BRAKE MONITOR MODULE
(1400)
(LOCATED IN INSTRUMENT PANEL)



CONNECTOR - 1654231C1

CAV	CIR	GAUGE	COLOR	TERM
A	A90N	18	GY	3507202C1
C	A90P	18	GY	3507202C1
D	A90-GA	18	WH	3507202C1
F	A90M	18	GY	3507202C1
G	A90L	18	GY	3507202C1
H	A90L	18	GY	3507202C1

HYD PARK BRAKE CONTROL
(1402)
(LOCATED IN INSTRUMENT PANEL)



CONNECTOR - 3553404C1
BODY LOCK - 3553460C1
PLUG - 3527276C1

CAV	CIR	GAUGE	COLOR	TERM
1	A14HB	16	RD	3518963C1
2	A44K	16	GY	3518963C1
3	A44H	16	GY	3518963C1
4	A13HB	16	PK	3518963C1
5	A44J	16	GY	3518963C1
6	A11-G8C	16	WH	3518963C1

OIL TEMP SENSOR
(1410)

CONNECTOR - 3536864C1
TERMINAL - 3536865C1
SEAL - 3536867C1
SEAL - 3536868C1

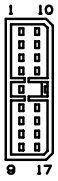
CAV	CIR	GAUGE	COLOR
1	K30A	16	TN
2	K30B	16	TN

CLUSTER (1500)
(LOCATED IN INSTRUMENT PANEL)

CONNECTOR - 2015890C1

CAV	CIR	GAUGE	COLOR	TERM
1	A62	18	DKBL	2018639C1
2	A62-G	18	WH	2018639C1
3	A28	18	TN	2018639C1
4	A5AL(+)	20	YL	2018639C1
5	A5AM(-)	20	GN	2018639C1
7	A28-G	18	WH	2018639C1
8	A28A	18	TN	2018639C1
9	A50	20	YL	2018639C1

OPTIONAL GAUGE PACK (1510)
(LOCATED IN INSTRUMENT PANEL)



CONNECTOR - 3548792C1

CAV	CIR	GAUGE	COLOR	TERM
1	A14FF	18	RD	2018639C1
2	A12FC	18	LTBL	2018639C1
3	A11-GJ	18	WH	2018639C1
4	A62S	18	DKBL	2018639C1
10	A5C(-)	20	GN	2018639C1
11	A5C(+)	20	YL	2018639C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	2APR04	CONN 1300 WAS 3580402C1	F	50174W	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 31MAY00 PART NO. AE08-52376 SHEET 11

Figure 185 Connector Composites (1300), (1301), (1400), (1402), (1410), (1500), (1510)

12.12. CONNECTOR COMPOSITES (1553), (1554F), (1555), (1600), (1601), (1650), P. 12

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12
CONNECTOR COMPOSITES - MATING VIEW SHOWN

DRIVERS SIDE COURTESY LIGHT (1553)
(LOCATED IN INSTRUMENT PANEL)

CONNECTOR: 3544198C1
BODY LOCK: 3544199C1

CAV	CIR	GAUGE	COLOR	TERM
A	A63N	18	DK BL	3544200C1
B	A11-GDW	18	WH	3544200C1

PASSENGER SIDE COURTESY LIGHT CONN.
(1554F)

CONNECTOR: 3544198C1
BODY LOCK: 3544199C1

CAV	CIR	GAUGE	COLOR	TERM
A	A63P	18	DK BL	3544200C1
B	A11-GDV	18	WH	3544200C1

WARNING LIGHT CONN
(1555)

CONNECTOR: 2005835C1
BODY LOCK: 2006503C1

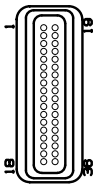
CAV	CIR	GAUGE	COLOR	TERM
B	A49E	18	GY	1661208C1
D	A49C	18	GY	1661208C1
E	A49D	18	GY	1661208C1
G	A49F	18	GY	1661208C1

OPT. WARNING
LIGHT CONN

CONNECTOR: 2005835C1
BODY LOCK: 2006503C1

CAV	CIR	GAUGE	COLOR	TERM
A	A23F	18	TN	1661208C1
C	A28C	18	RD	1661208C1
C	A42	18	GY	1661208C1
F	A28B	18	WH	1661208C1
F	A42A	18	GY	1661208C1
H	A23M	18	TN	1661208C1

SYSTEM CONTROLLER
INSIDE CAB
(1600)



CONNECTOR ASSY: 3533832C1
CONNECTOR: 3533834C1
RETAINER: 3533833C1
SEAL: 3533835C1
CPA: 3533836C1
STRAIN RELIEF: 3533832C1
PLUG: 3518314C1
TERMINAL: 3517243C1 (18 AWG)
3533507C1 (20 AWG)

CAV	CIR	GAUGE	COLOR
1	A11-GAB	20	WH
2	A12N	18	LT BL
3	A9H	20	GY
5	A85C	20	GY
6	A128D	18	YL
6	A58AE	20	BN
7	A77	20	LT GN
8	A75A	20	LT GN
9	A90P	18	GY
10	A96	20	VT
11	A12LC	18	PK
11	A104A	18	DK BL
12	A13AF	18	PK
13	A85B	20	GY
14	A50	20	YL
15	A40	20	GY
16	A40A	20	GY
17	A98A	20	VT
18	A57A	20	OR
19	A58A	20	OR
20	A52A	20	YL
21	A102A	20	YL
22	A82	20	GY
23	A82A	20	GY
24	A82B	20	GY
25	A63A	18	DK BL
27	A8H	20	GY
28	A87A	20	GY
29	A3E(+)	20	DK BL
30	A3F(-)	20	GY
32	A44BB	20	GY
33	A70C	20	RD
34	A5AN(+)	20	YL
35	A5AP(-)	20	GN

ELECT SYSTEM CONTROLLER
(LOC. CAB)
(1601)

CONNECTOR: 3548934C1
BODY LOCK: 3548943C1
SEAL: 3535936C1 (18 AWG)
SEAL: 3535937C1 (14 AWG)

CAV	CIR	GAUGE	COLOR	TERM	NOTES
A	A103	18	LT GN	3535930C1	W/AUX 40 AMP CIRCUIT
A	A59RA	18	GY	3535930C1	W/REMOTE START/STOP
B	A11-GAH	14	WH	3535931C1	
C	A63E	18	DK BL	3535930C1	
G	A78	14	LT GN	3535931C1	
H	A58L	18	BN	3535930C1	
H	A58S	18	BN	3535930C1	

DIAGNOSTIC
CONN
(1650)

CONNECTOR: 3538798C1

CAV	CIR	GAUGE	COLOR	TERM
A	A98-G	18	WH	1651988C1
B	A98-G	18	VT	1651988C1
C	A5AE(+)	20	YL	1651988C1
D	A5AF(-)	20	GN	1651988C1
F	A3S(+)	18	DK BL	1651988C1
G	A3S(-)	18	GY	1651988C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	15OCT03	LAS/CIR A59RA WAS A59K	G	58232W	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
CNA	2APR04	A58L&A58S WAS 16 GA	H	50174W	RELEASE NO. P52778H	DATE 21JUN00 PART NO. AE08-52376 SHEET 12

Figure 186 Connector Composites (1553), (1554F), (1555), (1600), (1601), (1650)

12.13. CONNECTOR COMPOSITES (1652), (1657), (1657M), (1657N), (1657Y), (1658), (1659), (1660), (1661), P. 13

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

DRIVETRAIN J1939 EATON AUTOSHIFT (1652)

IP HARNESS

CONNECTOR: 1661259C1
BODY LOCK: 1661263C1
TERMINAL: 3534481C1 (20 AWG)

CAV	CIR	GAUGE	COLOR
A	A5AV(+)	20	YL
B	A5AV(-)	20	GN

SHIFTER HARNESS

CONNECTOR: 1661260C1
BODY LOCK: 1661264C1
TERMINAL: 3534481C1 (20 AWG)

CAV	CIR	GAUGE	COLOR
A	A5AV(+)	20	YL
B	A5AV(-)	20	GN

TELEMATICS J1939 TERM. RESISTOR (1657)

RESISTOR: 3519178C91

DRIVETRAIN J1939 (1657M)

CONNECTOR: 1667741C1
BODY LOCK: 1667771C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	A5AG(+)	20	YL	1661875C1	1661872C1
B	PLUG	-	-	-	-
C	A5AH(-)	20	GN	1661875C1	1661872C1

TELEMATICS J1939 (1657N)

CONNECTOR: 1667741C1
BODY LOCK: 1667771C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	HA5A(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	-	-
C	HA5A(-)	18	GN	1661875C1	3568570C1

TELEMATICS J1939 TRUNK (1657Y)

CONNECTOR: 1667740C1
BODY LOCK: 1667771C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	HA5B(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	-	-
C	HA5B(-)	18	GN	1661875C1	3568570C1

DRIVETRAIN J1939 AUTO HVAC (1658)

CONNECTOR: 1661259C1
BODY LOCK: 1661263C1

CAV	CIR	GAUGE	COLOR	TERM
A	A5BE(+)	20	YL	3544254C1
B	A5BF(-)	20	GN	3544254C1

DRIVETRAIN J1939 OPT. GAUGES (1659)

GAUGE HARNESS

CONNECTOR: 1661260C1
BODY LOCK: 1661264C1

CAV	CIR	GAUGE	COLOR	TERM
A	A5C(+)	20	YL	3534481C1
B	A5C(-)	20	GN	3534481C1

IP HARNESS

CONNECTOR: 1661259C1
BODY LOCK: 1661263C1

CAV	CIR	GAUGE	COLOR	TERM
A	A5BJ(+)	20	YL	3544254C1
B	A5BK(-)	20	GN	3544254C1

J1708 PUBLIC (+) CONNECTOR (1660)

CONNECTOR - 2006789C1
BODY LOCK - 2006792C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A3C(+)	18	DK BL	1661208C1
B	A3T(+)	18	DK BL	1661208C1
C	A3E(+)	18	GY	1661208C1
C	A3E(+)	20	GY	1661208C1
D	A98SC+	18	BK	1661208C1
D	A3BH(+)	18	DK BL	1661208C1
D	A3AB(+)	18	DK BL	1661208C1
D	A3CE(+)	18	DK BL	1661208C1
E	A3D(+)	16	DK BL	1661209C1
F	A98(+)	18	DK BL	1661208C1
F	A98EV+	16	BK	1661209C1
G	A3D(+)	18	DK BL	1661208C1

J1708 PUBLIC (-) CONNECTOR (1661)

CONNECTOR - 2006789C1
BODY LOCK - 2006792C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	A3C(-)	18	GY	1661208C1
B	A3T(-)	18	GY	1661208C1
C	A3F(-)	20	GY	1661208C1
C	A3F(-)	18	GY	1661208C1
D	A3AB(-)	18	GY	1661208C1
D	A98SD-	18	BK	1661208C1
D	A3BH(-)	18	GY	1661208C1
D	A3CE(-)	18	GY	1661208C1
E	A3D(-)	18	GY	1661208C1
F	A98(-)	18	GY	1661208C1
F	A98EV-	16	BK	1661209C1
G	A3D(-)	18	GY	1661208C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA	11OCT05	ADDED ABS6 EFFECTS.	F	59756C

DRAWN: UOODLCK — NAME: 42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
RELEASE NO.: 52778H — DATE: 21JUN00 — PART NO.: AE08-52376 — SHEET 13

Figure 187 Connector Composites (1652), (1657), (1657M), (1657N), (1657Y), (1658), (1659), (1660), (1661)

12.14. CONNECTOR COMPOSITE (1701), P. 13A

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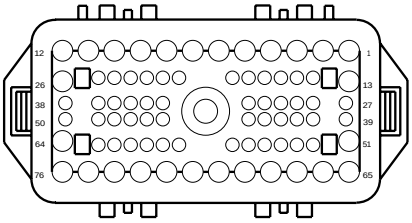
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

IP/DASH CONNECTOR
(1701)

OUTSIDE



CONNECTOR ASSY - 3595625C1
PLUG - 3598921C1

CAV	CIRCUIT	GA	COLOR	TER
1	A99V	16	VT	3574288C1
2	A97Y	16	VT	3574288C1
3	A99W	16	VT	3574288C1
4	A99U	16	VT	3574288C1
5	A97P	16	VT	3574288C1
6	A3D(+)	16	DK BL	3574288C1
6	A59R	16	BK	3574288C1
7	A97O	16	VT	3574288C1
7	A99E	16	VT	3574288C1
8	A17	16	PK	3574288C1
8	A17C	16	PK	3574288C1
9	A174	18	TN	3574289C1
9	A92AD	16	TN	3574288C1
9	A92AF	18	TN	3574289C1
10	A136D	18	PK	3574289C1
10	A92AE	16	TN	3574288C1
10	A92AG	18	TN	3574289C1
10	A92EL	16	TN	3574288C1
11	A13C	18	PK	3574289C1
12	A12R	16	LT BL	3574288C1
12	A14HD	16	RD	3574288C1
12	A44	20	GY	3574289C1
12	A47T	18	GY	3574289C1
13	A12M	16	LT BL	3574288C1
14	A3D(-)	18	GY	2003343C1
14	A70NT	16	RD	3574285C1
15	A5B(+)	18	YL	2003343C1
16	A44	20	GY	2003343C1
16	A5B(-)	18	GN	2003343C1
17	A40F	18	GY	2003343C1
18	A17J	18	PK	2003343C1
19	A49D	18	GY	2003343C1
20	A49F	18	GY	2003343C1
21	-	-	-	-
22	A74	18	LT GN	2003343C1
23	A74A	18	LT GN	2003343C1
24	A23F	18	TN	2003343C1
24	A50S	18	YL	2003343C1
24	A67A	16	LT BL	3574285C1
24	A92#125	18	TN	2003343C1
25	A23H	18	TN	2003343C1
25	A67B	16	LT BL	3574285C1
25	A92RA	18	TN	2003343C1
26	A11-GAP	16	WH	3574288C1
26	A73R	16	LT BL	3574288C1
27	A12W	18	LT BL	2003343C1

CAV	CIRCUIT	GA	COLOR	TER
27	A23K	16	TN	3574285C1
27	A59M	16	BK	3574285C1
27	A59RA	16	GY	3574285C1
27	A67D	16	LT BL	3574285C1
28	A104H	16	DK BL	3574285C1
28	A23J	18	TN	2003343C1
28	A67C	16	LT BL	3574285C1
28	A71P	18	BK	2003343C1
29	A21E	16	TN	3574285C1
29	A92#135	18	TN	2003343C1
30	A87B	18	GY	2003343C1
31	A104EC	18	DK BL	2003343C1
31	A23L	18	TN	2003343C1
31	A59J	18	BK	2003343C1
31	A73M	16	LT BL	3574285C1
32	A22B	18	TN	2003343C1
32	A42	18	GY	2003343C1
32	A59K	18	BK	2003343C1
32	A73AF	16	LT BL	3574285C1
32	A9W	18	GY	2003343C1
33	A94AA	16	GY	3574285C1
34	A94AB	16	GY	3574285C1
35	A123	18	PK	2003343C1
35	A124	18	PK	2003343C1
35	A92D(S)	20	NONE	2003343C1
36	A173	18	YL	2003343C1
36	A92#134	18	YL	2003343C1
36	A92D(+)	20	YL	2003343C1
36	A98YL4+	18	YL	2003343C1
37	A110	18	YL	2003343C1
37	A180	18	DK BL	2003343C1
37	A92D(-)	20	GN	2003343C1
37	A98GN4-	18	GN	2003343C1
38	A41	18	GY	2003343C1
39	A175	18	LT GN	2003343C1
39	A92AC	16	TN	3574285C1
39	A92AC	16	TN	3574285C1
40	A3A(+)	16	DK BL	3574285C1
40	A3B(+)	16	DK BL	3574285C1
41	A3A(-)	16	GY	3574285C1
41	A3B(-)	16	GY	3574285C1
42	A94AK	16	GY	3574285C1
43	A94AL	16	GY	3574285C1
44	-	-	-	-
45	A94ATR	16	GY	3574285C1
46	A89AR	18	PL	2003343C1

CAV	CIRCUIT	GA	COLOR	TER
46	A92AJ	16	TN	3574285C1
46	A92C124	18	TN	2003343C1
46	A98(+)	18	BK	2003343C1
47	A89CE	18	VT	2003343C1
47	A92RC	18	TN	2003343C1
47	A98(-)	18	BK	2003343C1
48	A103	18	LT GN	2003343C1
48	A12LC	18	PK	2003343C1
48	A92#164	18	TN	2003343C1
49	A94AM	18	GY	2003343C1
50	A94AN	18	GY	2003343C1
51	A94AT	16	GY	3574288C1
52	A94AS	18	GY	2003343C1
53	A94AP	18	GY	2003343C1
54	A94AR	18	GY	2003343C1
55	A94AX	18	GY	2003343C1
56	A94AW	18	GY	2003343C1
57	A94AV	18	GY	2003343C1
58	A94AH	18	GY	2003343C1
59	A94AF	18	GY	2003343C1
60	A44A	18	GY	2003343C1
60	A94AJ	18	GY	2003343C1
61	A94AE	18	GY	2003343C1
62	A94AD	18	GY	2003343C1
63	A94AC	18	GY	2003343C1
64	-	-	-	-
65	A94AU	16	GY	3574288C1
66	A143D	18	GY	3574289C1
66	A17C	16	PK	3574288C1
67	A41A	18	GY	3574289C1
68	A172	18	DK BL	3574289C1
68	A92ER	16	TN	3574288C1
68	A92Z	16	TN	3574288C1
69	A171	18	LT GN	3574289C1
69	A92AA	16	TN	3574288C1
70	A170	18	OR	3574289C1
70	A92AB	16	TN	3574288C1
71	A22A	18	TN	3574289C1
71	A28B	18	TN	3574289C1
71	A92AH	16	TN	3574288C1
72	-	-	-	-
73	A14HC	16	RD	3574288C1
73	A73J	16	LT BL	3574288C1
74	A94AY	12	GY	3574287C1
75	A94AYA	16	GY	3574288C1
76	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
					U00L788	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. 59756C	DATE 29SEP05 · PART NO. AE08-52376 · SHEET 13A

Figure 188 Connector Composite (1701)

12.15. CONNECTOR COMPOSITE (1701), P. 13B

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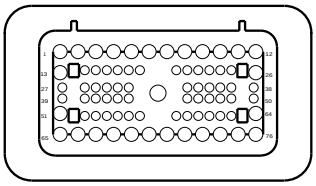
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

DASH PASS THRU
(1701)



CONNECTOR ASSY - 3595624C1
PLUG - 3598921C1

CAV	CIR	GAUGE	COLOR	TERM
1	J99V	16	VT	3549416C1
2	J97Y	16	VT	3549416C1
3	J40FA	16	GY	3549416C1
3	J99W	16	VT	3549416C1
4	J99U	16	VT	3549416C1
5	J97P	16	VT	3549416C1
6	J1	16	LT BL	3549416C1
6	J3E(+)	16	DK BL	3549416C1
6	J59R	16	BK	3549416C1
7	J97Q	16	VT	3549416C1
7	J97QA	16	VT	3549416C1
7	J97QA	16	VT	3549416C1
8	J104K	16	DK BL	3549416C1
8	J104M	16	DK BL	3549416C1
8	J17	16	PK	3549416C1
9	J44L	16	GY	3549416C1
9	J92#174	16	TN	3549416C1
9	J92AD	16	TN	3549416C1
10	J92AE	16	TN	3549416C1
10	J92D136	16	TN	3549416C1
10	J92EL	16	TN	3549416C1
11	J13C	16	PK	3549416C1
12	J44	16	GY	3549416C1
12	J47	16	GY	3549416C1
12	J72B	16	OR	3549416C1
13	J12BA	16	LT BL	3549416C1
14	J3E(-)	18	GY	3549418C1
14	J70NT	16	RD	3549417C1
15	J5B(+)	18	YL	3549418C1
15	J5E(+)	18	YL	3549418C1
16	J44	20	GY	3549418C1
16	J5B(-)	18	GN	3549418C1
16	J5E(-)	18	GN	3549418C1
17	J40F	18	GY	3549418C1
18	J17J	18	PK	3549418C1
18	J17S	18	PK	3549418C1
19	J49A	18	GY	3549418C1
20	J49B	18	GY	3549418C1
21	J94ATC	18	GY	3549418C1
22	J74	18	LT GN	3549418C1
23	J74A	18	LT GN	3549418C1
24	J23F	18	TN	3549418C1
24	J50S	16	YL	3549417C1
24	J67A	16	VT	3549417C1
24	J92#124	18	WH	3549418C1
24	J92#125	18	TN	3549418C1
25	J23H	18	TN	3549418C1
25	J67B	16	VT	3549417C1
25	J92#161	18	OR	3549418C1
25	J92#163	18	TN	3549418C1
26	J14-GD	16	WH	3549416C1
26	J73R	16	LT BL	3549416C1
27	J12W	18	LT BL	3549418C1
27	J23K	18	TN	3549418C1
27	J59M	18	BK	3549418C1

CAV	CIR	GAUGE	COLOR	TERM
27	J59RA	16	GY	3549417C1
27	J67D	16	VT	3549417C1
28	J104B	16	DK BL	3549417C1
28	J23J	16	TN	3549417C1
28	J67C	16	VT	3549417C1
28	J71P	16	BK	3549417C1
29	J21E	18	TN	3549418C1
29	J92#135	18	TN	3549418C1
29	J92D158	18	LT GN	3549418C1
30	J87B	18	GY	3549418C1
30	J87BA	18	GY	3549418C1
30	J87BB	18	GY	3549418C1
31	J104D	18	DK BL	3549418C1
31	J23L	18	TN	3549418C1
31	J59J	18	BK	3549418C1
31	J73M	16	LT BL	3549417C1
32	J22B	18	TN	3549418C1
32	J42	18	GY	3549418C1
32	J59K	18	BK	3549418C1
32	J73AF	16	LT BL	3549417C1
32	J9W	18	GY	3549418C1
33	J94AA	18	OR	3549418C1
33	J94AA	18	GY	3549418C1
34	J94AB	18	GY	3549418C1
35	J5AX(S)	20	NONE	3549418C1
35	J92#110	16	TN	3549417C1
35	J92#124	16	TN	3549417C1
35	J92#142	18	WH	3549418C1
35	J92U(S)	20	NONE	3549418C1
36	J5AX(+)	20	YL	3549418C1
36	J92#134	18	YL	3549418C1
36	J92#173	18	TN	3549418C1
36	J92S(+)	20	YL	3549418C1
36	J98YL4+	18	YL	3549418C1
37	J5AX(-)	20	GN	3549418C1
37	J92#103	18	TN	3549418C1
37	J92#128	18	TN	3549418C1
37	J92#180	18	TN	3549418C1
37	J92B128	18	TN	3549418C1
37	J92T(-)	20	GN	3549418C1
37	J98GN4-	18	GN	3549418C1
38	J41	18	GY	3549418C1
38	J92#110	18	TN	3549418C1
39	J92#175	16	TN	3549417C1
39	J92#175	18	TN	3549418C1
39	J92AC	16	TN	3549417C1
40	J3A(+)	18	DK BL	3549418C1
41	J3A(-)	18	GY	3549418C1
42	J94AK	18	YL	3549418C1
42	J94AK	18	GY	3549418C1
43	J94AL	18	DK BL	3549418C1
43	J94AL	18	GY	3549418C1
44	PLUG	-	-	
45	J94ATR	18	GY	3549418C1
46	J89AR	18	PK	3549418C1

CAV	CIR	GAUGE	COLOR	TERM
46	J92AJ	18	TN	3549418C1
46	J92B112	18	PK	3549418C1
46	J92C124	18	TN	3549418C1
46	J98(+)	18	BK	3549418C1
47	J89CE	18	VT	3549418C1
47	J92#103	18	YL	3549418C1
47	J92D161	18	TN	3549418C1
47	J98(-)	18	BK	3549418C1
48	J103A	18	LT GN	3549418C1
48	J12LC	18	PK	3549418C1
48	J92#156	18	YL	3549418C1
48	J92#164	18	TN	3549418C1
49	J94AM	18	GY	3549418C1
50	J94AN	18	GY	3549418C1
51	J94AT	16	GY	3549416C1
52	J94AS	18	GY	3549418C1
53	J94AP	18	GY	3549418C1
54	J94AR	18	GY	3549418C1
55	J94AX	18	GY	3549418C1
56	J94AW	18	GY	3549418C1
57	J94AV	18	GY	3549418C1
58	J94AH	18	LT GN	3549418C1
58	J94AH	18	GY	3549418C1
59	J94AF	18	VT	3549418C1
59	J94AF	18	GY	3549418C1
60	J44A	16	GY	3549417C1
60	J94AJ	18	LT BL	3549418C1
60	J94AJ	18	GY	3549418C1
61	J94AE	18	BN	3549418C1
61	J94AE	18	GY	3549418C1
62	J94AD	18	RD	3549418C1
62	J94AD	18	GY	3549418C1
63	J94AC	18	BK	3549418C1
63	J94AC	18	GY	3549418C1
64	PLUG	-	-	3598921C1
65	J94AU	16	GY	3549416C1
66	J17C	16	PK	3549416C1
66	J92D143	16	TN	3549416C1
67	J41A	16	GY	3549416C1
68	J92#172	16	TN	3549416C1
68	J92ER	16	TN	3549416C1
68	J92Z	16	TN	3549416C1
69	J92#171	16	TN	3549416C1
69	J92AA	16	TN	3549416C1
70	J92#170	16	TN	3549416C1
70	J92AB	16	TN	3549416C1
71	J22A	16	TN	3549416C1
71	J92AH	16	TN	3549416C1
71	J92APA	16	TN	3549416C1
72	J92APA	16	TN	3549416C1
73	J14HC	16	RD	3549416C1
73	J73J	16	LT BL	3549416C1
74	J94AY	12	GY	3549415C1
75	J94AYA	16	GY	3549416C1
76	PLUG	-	-	3598921C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
					U00L788	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		
					RELEASE NO. 59756C	DATE 29SEP05	PART NO. AE08-52376	SHEET 13B

Figure 189 Connector Composite (1701)

12.16. CONNECTOR COMPOSITES (1800), (1804), (1807), (1808), (1809), (1810), (1811), (1812), (1813), (1814), (1815), P. 14

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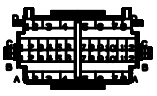
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

CAB HARNESS



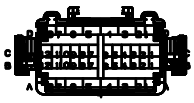
CONNECTOR: 3553649C1
BODY LOCK: 3553650C1
150 SERIES TERMINAL: 3544883C1 (20 AWG)
3544884C1 (18 AWG)
280 SERIES TERMINAL: 3544875C1 (20 AWG)
3544876C1 (18 AWG)

CAV	CIR	GAUGE	COLOR	NOTES
A1	A56A	20	OR	
A2	A57A	20	OR	
A3	A11-GAA	18	WH	280 SERIES TERTMINAL
A4	A9V	18	GY	280 SERIES TERMINAL
A5	A87C	20	GY	280 SERIES TERMINAL
A7	A52A	20	YL	
A8	A102A	20	YL	
B1	A82B	20	GY	
B10	A85B	20	GY	
B11	A85C	20	GY	
B11	A85K	18	GY	
B12	A96	20	VT	
B2	A40A	20	GY	
B3	A6H	20	GY	
B4	A97Y	18	VT	
B5	A99U	18	VT	
B6	A99W	18	VT	
B7	A44BB	20	GY	
B9	A70C	20	RD	
C1	A82A	20	GY	
C10	A97Q	18	VT	
C11	A96A	20	VT	
C12	A40	20	GY	
C2	A40F	18	GY	
C4	A99V	18	VT	
C5	A97P	18	VT	
C6	A99E	18	VT	
C9	A82	20	GY	
D7	A17J	18	PK	
D8	A17H	18	PK	
D9	A17-GH	18	WH	

CAB/DCM (1800)

CAV	CIR	GAUGE	COLOR	NOTES
A1	B56A	18	OR	
A2	B57A	18	OR	
A3	B11-GAA	18	WH	
A4	B9V	18	GY	
A5	B87A	18	GY	
A7	B52A	18	YL	
A8	B102A	18	YL	
B1	B82B	18	GY	
B10	B85B	18	GY	
B11	B85C	18	GY	
B12	B96	18	VT	
B2	B40A	18	GY	
B3	B6H	18	GY	
B4	B97Y	18	VT	
B5	B99U	18	VT	
B6	B40G	18	GY	DCM W/HYD BRAKES
B6	B40G	18	GY	W/HYD BRAKES
B6	B99W	18	VT	DCM W/AIR BRAKES
B7	B44BB	18	GY	
B9	B70C	18	RD	
C1	B82A	18	GY	
C10	B97Q	18	VT	
C11	B96A	18	VT	
C12	B40	18	GY	
C2	B40F	18	GY	
C4	B99V	18	VT	
C5	B97P	18	VT	
C6	B99E	18	VT	
C9	B82	18	GY	
D7	B17J	18	PK	
D8	B17H	18	PK	
D9	B17-GH	18	WH	

DCM HARNESS



CONNECTOR: 3553651C1
BODY LOCK: 3544872C1
CONN CLIP: 3545905C1 (1805A)
TERMINAL: 3544886C1 (18 AWG)

ACCELERATOR PEDAL (1804)

CONNECTOR: 1687790C1
TERMINAL: 1651943C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	B99V	18	VT
B	B97AD	18	VT
C	B97AF	18	VT
D	B99U	18	VT
E	B99W	18	VT
F	B99E	18	VT

CLUTCH SWITCH (1807)

CONNECTOR: 3540757C1
BODY LOCK: 3540758C1
SEAL: 1661872C1
TERMINAL: 1667742C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	B17J	18	PK
B	B17H	18	PK
C	B96A	18	VT
D	B9VB	18	GY

BAP SENSOR (1808)

CONNECTOR: 2016703C1
BODY LOCK: 2016704C1
TERMINAL: 2003343C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
1	B97AE	18	VT
2	B97AH	18	VT
3	B97Q	18	VT

CLOCKSPRING (1809)

CONNECTOR: 3547870C1
TERMINAL: 1661261C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	B9R	18	GY
B	B96	18	VT
C	B85C	18	GY
D	B85B	18	GY

TURN SIGNAL SWITCH (1810)

CONNECTOR: 3539212C1
TERMINAL: 3539213C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
1	B56A	18	OR
2	B57A	18	OR
3	B52A	18	YL
4	B102A	18	YL
5	B82B	18	GY
6	B11-GAA	18	WH
7	B9S	18	GY
8	B82	18	GY
11	B82A	18	GY
12	B87A	18	GY

PRIMARY AIR TRANSDUCER (1811)

CONNECTOR: 1678137C1
TERMINAL: 1651934C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	B9VC	18	GY
B	B6HB	18	GY
C	B40	18	GY

SECONDARY AIR TRANSDUCER (1812)

CONNECTOR: 1678137C1
TERMINAL: 1651934C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	B9VE	18	GY
B	B6HA	18	GY
C	B40A	18	GY

PARK BRAKE (1813)

CONNECTOR: 1661777C1
BODY LOCK: 1661873C1
SEAL: 1661872C1
TERMINAL: 1661875C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
C	B44BB	18	GY
D	B9VD	18	GY

STOP LIGHT (1814)

CONNECTOR: 2036584C1
TERMINAL: 2036586C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	B70C	18	RD
B	B9VF	18	GY

PARK BRAKE (1815)

CONNECTOR: 1661259C1
TERMINAL: 1661261C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	WHITE	18	WH
B	BLACK	18	BK

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	15DEC03	MOVED CONN 1800 FROM	C	58689K	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		SHEET 13 TO SHEET 14.			RELEASE NO. P52778H / DATE 21JUN00	PART NO. AE08-52376 / SHEET 14

Figure 190 Connector Composites (1800), (1804), (1807), (1808), (1809), (1810), (1811), (1812), (1813), (1814), (1815)

12.17. CONNECTOR COMPOSITES (1820), (1822), (1823), (1824), (1828), (1852), (1860), P. 15

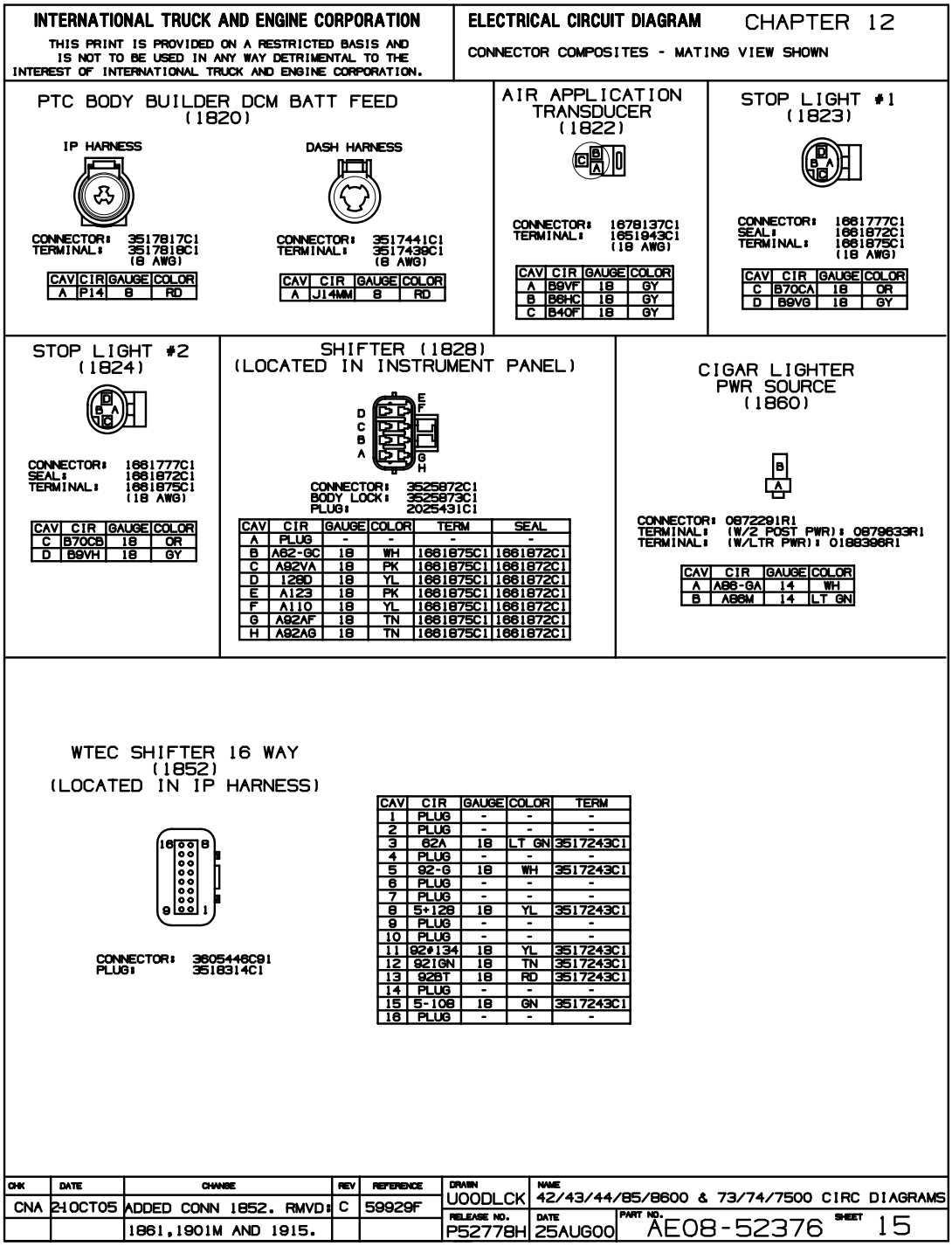


Figure 191 Connector Composites (1820), (1822), (1823), (1824), (1828), (1852), (1860)

12.18. CONNECTOR COMPOSITES (1861), (1901M), (1915), P. 15A

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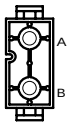
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

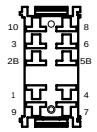
TWO POST POWER SOURCE
(1861)



CONNECTOR: 3517473C1
TERMINAL: 3517476C1
(14 AWG)

CAV	CIR	GAUGE	COLOR
A	A86N	14	LT GN
B	A86-GB	14	WH

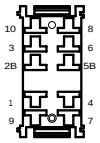
SNOW VALVE SWITCH CONN
(1901M)



CONNECTOR: 3520850C1
TERMINAL: 1661224C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
1	A23M	18	TN
3	A23J	18	TN
4	A23I	18	TN
6	A23K	18	TN
7	A23H	18	TN
8	A62P	18	LT BL
2B	A13DA	18	PK
5B	A23-GA	18	WH

AUX ROOF LOAD SWITCH CONN
(1915)



CONNECTOR: 3520850C1

CAV	CIR	GAUGE	COLOR	TERM
2B	A12X	14	LT BL	1661227C1
3	A12Y	14	LT BL	1661227C1
3	A12V	14	LT BL	1661227C1
7	A12V	14	LT BL	1661227C1
8	A62U	18	DK BL	1661224C1
9	A12-GA	18	WH	1661224C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
					U00KLH1	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		
					RELEASE NO. 59929F	DATE 130CT05	PART NO. AE08-52376	SHEET 15A

Figure 192 Connector Composites (1861), (1901M), (1915)

12.19. CONNECTOR COMPOSITES (1918), (1935), (1920), (2000), (2002M), (2003M), (2004M), (2005M), P. 16

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

AIR SEAT (1918)

CONNECTOR: 0587567C91
TERMINAL: 0587577C1 (14 AWG)

CAV	CIR	GAUGE	COLOR
A	RD	14	RD
B	WH	14	WH

HEATED SEAT (DRIVER) (1918)

CONNECTOR: 0587567C91

CAV	CIR	GAUGE	COLOR	TERMINAL	NOTES
A	A105B	16	LTGN	0587577C1	DUAL HEATED SEATS
A	A105	18	LTGN	0587578C1	SINGLE HEATED SEAT
B	A105-GB	16	WH	0587577C1	DUAL HEATED SEATS
B	A105-G	18	WH	0587578C1	SINGLE HEATED SEAT

HEATED SEAT (PASS) (1935)

CONNECTOR: 0587567C91

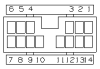
CAV	CIR	GAUGE	COLOR	TERMINAL
A	A105A	16	LTGN	0587577C1
B	A105-GA	16	WH	0587577C1

DIGITAL CLOCK (1920)

CONNECTOR: 1667305C1
BODY LOCK: 1661263C1

CAV	CIR	GAUGE	COLOR	TERM
A	A86A	18	LTGN	1661261C1
B	A86-G	18	WH	1661261C1
C	A86	18	LTGN	1661261C1
D	A62E	18	DKBL	1661261C1

ROOF IP CONNECTION (2000)



CONNECTOR: 3544689C1

CAV	CIR	GAUGE	COLOR	TERM
1	D86C	18	LT GN	3544691C1
2	D63-GA	18	WH	3544691C1
3	D63A	18	DK BL	3544691C1
4	D86E	18	LT GN	3544691C1
5	D86D	18	LT GN	3544691C1
6	D63E	18	DK BL	3544691C1
9	D58H	18	BN	3544691C1
10	D63D	18	DK BL	3544691C1
11	D11-GF	16	WH	3544693C1
12	D86F	16	LT GN	3544693C1
13	D86B	18	LT GN	3544693C1
14	D63-GD	18	WH	3544691C1

CONNECTOR: 3544690C1

CAV	CIR	GAUGE	COLOR	TERM	NOTE
1	A86C	18	LT GN	3544692C1	
2	A63-GA	20	WH	3544692C1	
3	A63A	18	DK BL	3544692C1	
4	A86E	18	LT GN	3544692C1	
5	A86D	18	LT GN	3544692C1	
6	A63M	18	DK BL	3544692C1	W/O8WPJ
6	A63E	18	DK BL	3544692C1	N/O8WPJ
9	A58L	18	BN	3544692C1	
10	A63D	18	DK BL	3544692C1	
11	A11-GF	16	WH	3544694C1	
12	A86F	16	LT GN	3544694C1	
13	A86B	18	LT GN	3544694C1	
14	A9L	18	GY	3544692C1	

LEFT CLEARANCE (2002M)

CONNECTOR: 1661259C1
BODY LOCK: 1661263C1
TERMINAL: 1661261C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	D58L	18	BN
B	D58-GD	18	WH

LEFT MARKER (2003M)

CONNECTOR: 1661259C1
BODY LOCK: 1661263C1
TERMINAL: 1661261C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	D58M	18	BN
B	D58-GE	18	WH

MID MARKER (2004M)

CONNECTOR: 1661259C1
BODY LOCK: 1661263C1
TERMINAL: 1661261C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	D58N	18	BN
B	D58-GF	18	WH

RIGHT MARKER (2005M)

CONNECTOR: 1661259C1
BODY LOCK: 1661263C1
TERMINAL: 1661261C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	D58P	18	BN
B	D58-GH	18	WH

CHK	DATE	CHANGE	REV	REFERENCE
JKP	30MAY03	ADDED HEATED SEATS.	D	58205F

DRAWN U00DLCK — NAME 42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
RELEASE NO. P52778H — DATE 25AUG00 — PART NO. AE08-52376 — SHEET 16

Figure 193 Connector Composites (1918), (1935), (1920), (2000), (2002M), (2003M), (2004M), (2005M)

12.20. CONNECTOR COMPOSITES (2006M), (2007F), (2021F), (2021M), (2111M), (2112M), (2113M), (2114M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M), P. 17

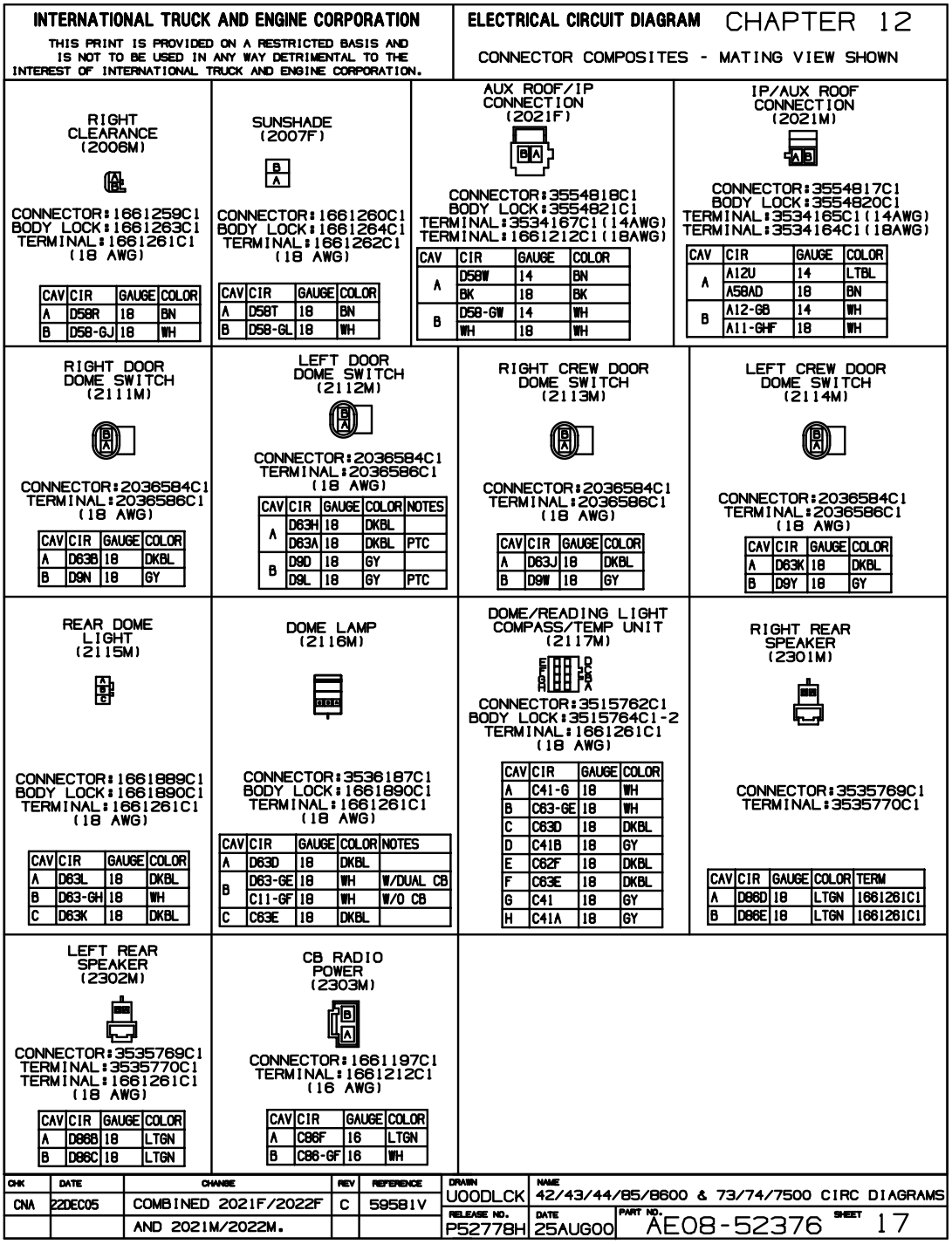


Figure 194 Connector Composites (2006M), (2007F), (2021F), (2021M), (2111M), (2112M), (2113M), (2114M), (2115M), (2116M), (2117M), (2301M), (2302M), (2303M)

12.21. CONNECTOR COMPOSITES (2304M), (2305M), (2306M), (2307F), (2308F), (2502F), (2502M), (2503F, M), (2600F, M), P. 18

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ELECTRICAL CIRCUIT DIAGRAM

CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

RIGHT CONSOLE SPEAKER (2304M)

CONNECTOR: 3535769C1
BODY LOCK: 3535770C1
TERMINAL: 1661261C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	C86K	18	LT GN
B	C86L	18	LT GN

LEFT CONSOLE SPEAKER (2305M)

CONNECTOR: 3535769C1
BODY LOCK: 3535770C1
TERMINAL: 1661261C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	C86H	18	LT GN
B	C86J	18	LT GN

CB RADIO/CONSOLE CB ANTENNA (2306M)

CONNECTOR: 3554596C91
TERMINAL: ASSEMBLY

CAV	CIR	GAUGE	COLOR
1	[L-CB]	4	BK
1	[R-CB]	4	BK

CONSOLE/MIRROR CB ANTENNA (2307F)

CONNECTOR: 3554596C9Y
TERMINAL: ASSEMBLY

CAV	CIR	GAUGE	COLOR
1	[R-CB]	4	BK

CONSOLE/MIRROR CB ANTENNA (2308F)

CONNECTOR: 3554596C9X
TERMINAL: ASSEMBLY

CAV	CIR	GAUGE	COLOR
1	[L-CB]	4	BK

CONSOLE/ROOF STANDARD (2502F)

CONNECTOR: 1667529C1
BODY LOCK: 1667530C1

CAV	CIR	GAUGE	COLOR	TERM
A	C86F	16	LT GN	1661262C1
B	C11-GF	16	WH	1661262C1
C	C63D	18	DK BL	1661262C1
D	C63E	18	DK BL	1661262C1

CONSOLE/ROOF STANDARD (2502M)

CONNECTOR: 2036584C1
BODY LOCKS: 1661263C1(2 REQD)
TERMINAL: 1661261C1(16,18 AWG)

CAV	CIR	GAUGE	COLOR	NOTES
A	D86F	18	LT GN	
B	D11-GF	16	WH	
C	D63D	18	DK BL	STANDARD CAB
C	D63J	18	DK BL	EXTENDED CAB
C	D63N	18	DK BL	TRAVEL CREW CAB
D	D63E	18	DK BL	STANDARD CAB
D	D63C	18	DK BL	EXT & TRAVEL CREW CAB

CONSOLE/IP PREMIUM

(2503F)

CONNECTOR: 3544687C1
TERMINAL: 3544691C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
1	C41-G	18	WH
2	C41B	18	GY
3	C62F	18	DK BL
4	C41	18	GY
6	C86L	18	LT GN
7	C86J	18	LT GN
8	C86H	18	LT GN
9	C86K	18	LT GN
10	C41A	18	GY

(2503M)

CONNECTOR: 3544688C1
TERMINAL: 3544692C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
1	A41-G	18	WH
2	A41B	18	GY
3	A62F	18	DK BL
4	A41	18	GY
6	A86L	18	LT GN
7	A86J	18	LT GN
8	A86H	18	LT GN
9	A86K	18	LT GN
10	A41A	18	GY

ROOF/IP CREW DOOR

(2600F)

CONNECTOR: 3550639C1C1
TERMINAL: 3544877C1(12 AWG)
TERMINAL: 3544876C1(18 AWG)

CAV	CIR	GAUGE	COLOR
A	A81C	12	LT GN
B	A3Y(+)	18	DK BL
C	A81D	12	LT GN
D	A81-GB	12	WH
E	A3Z(-)	18	GY
F	A81-GC	12	WH

(2600M)

CONNECTOR: 3550638C1C1
TERMINAL: 3544881C1(12 AWG)
TERMINAL: 3544880C1(18 AWG)

CAV	CIR	GAUGE	COLOR
A	D14B	12	RD
B	D3A(+)	18	BK
C	D14A	12	RD
D	D11-GA	12	WH
E	D3A(-)	18	BK
F	D11-GB	12	WH

CHK	DATE	CHANGE	REV	REFERENCE
PEC	19JAN01	PRODUCTION RELEASE.	A	P54304U
PEC	25JUN01	ADDED 2304M-2600M.	B	P54634F

DRAWN U00DAG9 | NAME 42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
RELEASE NO. P52778H | DATE 25AUG00 | PART NO. AE08-52376 | SHEET 18

Figure 195 Connector Composites (2304M), (2305M), (2306M), (2307F), (2308F), (2502F), (2502M), (2503F, M), (2600F, M)

12.22. CONNECTOR COMPOSITES (2601M, F), (2602M, F), (3000M), (3000F), (3002M), (3003), (3100M), (3200F, M), (3201M), (3202), (3203M), P. 19

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

LEFT CREW DOOR POD

(2601M)

CONNECTOR: 1661200C1
TERMINAL: 1661211C1
(12 AWG)
TERMINAL: 1661208C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	D3B(+)	18	BK
B	D3B(-)	18	BK
C	D14B	12	RD
D	D11-GBB	12	WH
E	D8B	18	WH

(2601F)

CONNECTOR: 1661201C1
TERMINAL: 3534167C1
(12 AWG)
TERMINAL: 1661212C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	T3BB(+)	18	DK BL
B	T3AA(-)	18	GY
C	T81E	12	LT GN
D	T81-GD	12	WH
E	T8A	18	WH
F	T8B	18	WH

RIGHT CREW DOOR POD

(2602M)

CONNECTOR: 1661200C1
TERMINAL: 1661211C1
(12 AWG)
TERMINAL: 1661208C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	D3C(+)	18	BK
B	D3C(-)	18	BK
C	D14A	12	RD
D	D11-GAA	12	WH
E	D8A	18	WH

(2602F)

CONNECTOR: 1661201C1
TERMINAL: 3534167C1
(12 AWG)
TERMINAL: 1661212C1
(18 AWG)

CAV	CIR	GAUGE	COLOR
A	T3BB(+)	18	DK BL
B	T3AA(-)	18	GY
C	T81E	12	LT GN
D	T81-GD	12	WH
E	T8A	18	WH
F	T8B	18	WH

DRIVER DOOR MIRROR CONN (3000M)

CONNECTOR: 3540612C1
TERMINAL: 1661261C1
(16,18 AWG)

CAV	CIR	GAUGE	COLOR
A	A78D	18	LTGN
B	A78E	18	LTGN
C	A78E	18	LTGN
D	A78H	16	LTGN
E	A62D	18	DKBL
F	A58U	18	BN
G	A78L	18	LTGN
H	A78-GD	16	WH
J	A78-GE	16	WH

DOOR I/P MIRROR (3000F)

CONNECTOR: 3540613C1
BODY LOCK: 3540615C1
TERMINAL: 3534481C1
(20 AWG)
TERMINAL: 1661262C1
(16 AWG)

CAV	CIR	GAUGE	COLOR
A	E78D	20	LTGN
B	E78E	20	LTGN
C	E78E	20	LTGN
D	E78H	16	LTGN
E	E62A	20	LTBL
F	E58A	16	BN
G	E14DLB	20	RD
H	E11-GDK	16	WH
J	E11-GDU	16	WH

CREW W/POD WINDOW MOTOR (3002M)

CONNECTOR: 3534424C1
BODY LOCK: 3534425C1
SEAL: 0589390C1
TERMINAL: 2039344C1
(12 AWG)

CAV	CIR	GAUGE	COLOR
A	T83C	12	LTGN
B	T83E	12	LTGN

PASSENGER DOOR MIRROR CONN (3003)

CONNECTOR: 3540612C1
TERMINAL: 1661261C1
(16,18 AWG)

CAV	CIR	GAUGE	COLOR
A	A78D	18	LTGN
B	A78E	18	LTGN
C	A78E	18	LTGN
D	A78J	16	LTGN
E	A58T	18	BN
H	A78-GB	16	WH
J	A78-GC	16	WH

FRONT DOOR WINDOW MOTOR (3100M)

CONNECTOR: 3534424C1
BODY LOCK: 3534425C1
SEAL: 0589391C1
TERMINAL: 3535486C1
(14 AWG)

CAV	CIR	GAUGE	COLOR
A	E83A	14	LTGN
B	E83E	14	LTGN

DOOR/IP DOOR POD

(3200F)

CONNECTOR: 1661201C1
TERMINAL: 1661208C1
(18 AWG)
TERMINAL: 1661211C1
(12 AWG)

CAV	CIR	GAUGE	COLOR
A	E3W(+)	18	DKBL
B	E3X(-)	18	GY
C	E81B	12	LTGN
D	E81-GA	12	WH

(3200M)

CONNECTOR: 1661200C1
BODY LOCK: 1661212C1
(18 AWG)
TERMINAL: 3534167C1
(12 AWG)

CAV	CIR	GAUGE	COLOR
A	A3W(+)	18	DKBL
B	A3X(-)	18	GY
C	A81B	12	LTGN
D	A81-GA	12	WH

DOOR POD LOAD (3201M)

CONNECTOR: 3535482C1
BODY LOCK: 3535483C1
SEAL: 0589391C1
TERMINAL: 2033816C1
(14 AWG)

CAV	CIR	GAUGE	COLOR
A	E83E	14	LTGN
B	E83A	14	LTGN
C	E81A	14	LTGN
D	E81F	14	LTGN

DOOR POD SIGNAL (3202)

CONNECTOR: 3540565C1
BODY LOCK: 3540617C1
SEAL(18 AWG):1661872C1
SEAL(12 AWG):2025427C1
TERMINAL: 1661875C1
(18 AWG)
TERMINAL: 2031531C1
(12 AWG)

CAV	CIR	GAUGE	COLOR
C	E3X(-)	18	GY
D	E3W(+)	18	DKBL
F	E81-GA	12	WH
G	E81B	12	LTGN

DOOR LOCK (3203M)

CONNECTOR: 1661201C1
BODY LOCK: 1671608C1
SEAL: 0589391C1
TERMINAL: 2033816C1
(14 AWG)

CAV	CIR	GAUGE	COLOR
A	E81A	14	LTGN
B	E81F	14	LTGN

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	25JUN01	ADDED 2601M-3203M.	B	P54634F	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
PEC	15JAN02	REV 3000M & 3003.	C	55043Z	RELEASE NO. P52778H	DATE 28JUN00 / PART NO. AF08-52376 / SHEET 19

Figure 196 Connector Composites (2601M, F), (2602M, F), (3000M), (3000F), (3002M), (3003), (3100M), (3200F, M), (3201M), (3202), (3203M)

12.23. CONNECTOR COMPOSITES (3204M, F), (3209), (3210M), (3211M), (4000), P. 20

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

DOOR/IP DOOR POD

(3204M)

CONNECTOR: 1661200C1
TERMINAL: 1661211C1 (12 AWG)
TERMINAL: 1661208C1 (18 AWG)

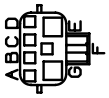
CAV	CIR	GAUGE	COLOR
A	A3N(+)	18	DKBL
B	A3P(-)	18	GY
C	A81A	12	LTGN
D	A81-G	12	WH

(3204F)

CONNECTOR: 1661201C1
TERMINAL: 3534167C1 (20 AWG)
TERMINAL: 1661212C1 (14 AWG)

CAV	CIR	GAUGE	COLOR
A	E3W(+)	18	DKBL
B	E3X(-)	18	GY
C	E81B	14	LTGN
D	E81-GA	14	WH

DOOR POD SIGNAL (3209)



CONNECTOR: 1661200C1
BODY LOCK: 3540617C1
SEAL(18 AWG): 1661872C1
SEAL(12 AWG): 2025427C1
TERMINAL: 2031531C1 (12 AWG)
TERMINAL: 1661875C1 (18 AWG)

CAV	CIR	GAUGE	COLOR
A	T8A	18	WH
B	T8B	18	WH
C	T3AA(-)	18	GY
D	T3BB(+)	18	DKBL
E	T81-GD	12	WH
G	T81E	12	LTGN

DOOR POD LOAD (3210M)

CONNECTOR: 3535482C1
BODY LOCK: 3535483C1
SEAL: 0589390C1
TERMINAL: 2033816C1 (12 AWG)

CAV	CIR	GAUGE	COLOR
A	T83F	12	LTGN
B	T83C	12	LTGN
C	T81C	12	LTGN
D	T81F	12	LTGN

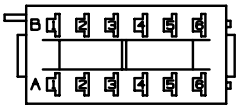
DOOR LOCK (3211M)

CONNECTOR: 1671610C1
BODY LOCK: 1671608C1
SEAL: 0589390C1
TERMINAL: 2033816C1 (12 AWG)

CAV	CIR	GAUGE	COLOR
A	T81C	12	LTGN
B	T81F	12	LTGN

MAXI-FUSE BLOCK (4000)

(LOCATED IN POWER DISTRIBUTION CENTER)



CONNECTOR - 3545997C1
LOCK - 3515520C1
BOLT - 22728R1
WASHER - 178474
NUT - 9413992

CAV	CIR	GAUGE	COLOR	TERM
A1	J14LP	10	RD	3515522C1
A1	J103C	10	LT GN	3515522C1
A2	J14MM	8	RD	3516157C1
A3	-	-	-	-
A4	-	-	-	-
A5	-	-	-	-
A6	-	-	-	-
STUD	J14V	6	RD	0373759C2

LOCATION	FUSE	PART NUMBER	DESCRIPTION
A1-B1	40 AMP	3534204C1	LECTRA-SHIFT, PTO
A1-B1	40 AMP	3534204C1	AUX 40 AMP CIRCUIT
A2-B2	60 AMP	3525615C1	60 AMP PWR FEED
A3-B3	-	-	-
A4-B4	-	-	-
A5-B5	-	-	-
A6-B6	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	10JUL03	LAS9//ADDED J103C.	D	57097S	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 23JUN00 · PART NO. AE08-52376 · SHEET 20

Figure 197 Connector Composites (3204M, F), (3209), (3210M), (3211M), (4000)

12.24. CONNECTOR COMPOSITE (4001), P. 21

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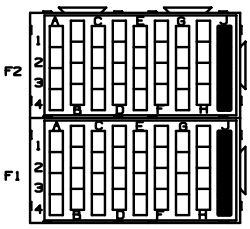
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12
CONNECTOR COMPOSITES - MATING VIEW SHOWN

MINI-FUSE BLOCKS (4001)
(LOCATED IN POWER DISTRIBUTION CENTER)



CONNECTOR ASSY - 3545599C91
LOCK - 3536085C1

CAV	CIR	GAUGE	COLOR	TERM	-	CAV	CIR	GAUGE	COLOR	TERM
F1-A1	(J13S)			3536304C1		F2-A1	J70SA	10	OR	3515518C1
F1-A2	(J13W)			3536304C1		F2-A1	J70SB	12	OR	3516158C1
F1-A3	(J13E)			3536301C1		F2-A2	(J14T)			3536303C1
F1-A4	(J13T)			3536301C1		F2-A3	(J14M)			3536303C1
F1-B1	J71H/J71J	18	OR	3573312C1		F2-A4	J97LD	16	VT	3573312C1
F1-B1	J71	16	OR	3573312C1		F2-B1	J70A	10	OR	3515518C1
F1-B2	J24C	18	GY	3515517C1		F2-B1	J70B	10	OR	3573311C1
F1-B2	J97DF	18	TN	3515517C1		F2-B2	J44J	18	GY	3515517C1
F1-B3	J94HD	18	GY	3536295C1		F2-B3	J72	12	OR	3516158C1
F1-B4	J37C	18	TN	3515517C1		F2-B3	J14BB	14	RD	3516158C1
F1-C1	(J13S)			3536304C1		F2-B4	J97LC	16	VT	3573312C1
F1-C2	(J13W)			3536304C1		F2-C1	J90HA	12	GY	3516158C1
F1-C3	(J13E)			3536301C1		F2-C2	(J14T)			3536303C1
F1-C4	(J13T)			3536301C1		F2-C3	(J14M)			3536303C1
F1-D1	J44N	18	GY	3573312C1		F2-C4	(J14J)			3536301C1
F1-D2	J87KA	16	GY	3573312C1		F2-D1	J90H	18	GY	3515517C1
F1-D2	J87KB	16	GY	3573312C1		F2-D2	J94UA	12	GY	3573311C1
F1-D3	J13X	18	PK	3515517C1		F2-D2	J72UA	12	OR	3573311C1
F1-D4	J61	18	GY	3515517C1		F2-D3	J26D	18	TN	3515517C1
F1-E1	J13S	14	PK	3536304C1		F2-D4	J92FB	16	TN	3573312C1
F1-E2	J13W	14	PK	3536304C1		F2-D4	J14AW	16	TN	3573312C1
F1-E3	J13E	14	PK	3536301C1		F2-E1	J68E	12	BN	3516158C1
F1-E4	J13T	14	PK	3536301C1		F2-E2	J14T	10	RD	3536303C1
F1-F1	J97U	18	VT	3515517C1		F2-E3	J14M	10	RD	3536303C1
F1-F1	J97UA	18	VT	3515517C1		F2-E4	J14J	10	RD	3536298C1
F1-F2	J94AY	12	GY	3573311C1		F2-F1	J68BB	16	BN	3536295C1
F1-F3	J39A	16	GY	3536295C1		F2-F1	J68BB	14	BN	3516158C1
F1-F4	J92J	18	TN	3515517C1		F2-F1	J68F	12	BN	3516158C1
F1-G1	(J13S)			3536304C1		F2-F1	J68F	16	BN	3536295C1
F1-G2	(J13W)			3536304C1		F2-F2	J57T	12	OR	3516158C1
F1-G3	J70BA	14	OR	3516158C1		F2-F3	J14W	16	RD	3515517C1
F1-G3	J70BS	14	OR	3516158C1		F2-F3	J14W	16	RD	3536295C1
F1-G4	J97HA	18	VT	3515517C1		F2-F3	J14X	16	RD	3515517C1
F1-H1	J23FS	18	TN	3515512C1		F2-F3	J14X	16	RD	3536295C1
F1-H1	J23Z	18	TN	3536295C1		F2-F4	J94HC	14	GY	3516158C1
F1-H2	J92#146	18	TN	3515517C1		F2-G1	J58E	12	BN	3516158C1
F1-H2	J13M	18	PK	3515517C1		F2-G2	(J14T)			3536303C1
F1-H3	J70BB	14	OR	3516158C1		F2-G3	(J14M)			3536303C1
F1-H4	J97HB	18	VT	3515517C1		F2-G4	(J14J)			3536298C1
						F2-H1	J58BB	14	BN	3516158C1
						F2-H1	J58F	12	BN	3516158C1
						F2-H1	J58F	16	BN	3536295C1
						F2-H1	J58BB	16	BN	3536295C1
						F2-H2	J58T	12	OR	3516158C1
						F2-H3	J19	16	GY	3515517C1
						F2-H4	J94H	14	GY	3516158C1
						F2-H4	J94AB	14	GY	3516158C1

MINI-FUSE BLOCKS (4001)

LOCATION	FUSE	PART NUMBER	DESCRIPTION	-	LOCATION	FUSE	PART NUMBER	DESCRIPTION
F1-A1&B1	10 AMP	3534209C1	BACK UP LAMPS		F2-A1&B1	30 AMP	3534213C1	TRAILER STOP LAMPS
F1-C1&D1	5 AMP	3534208C1	POWER PARK BRAKE		F2-C1&D1	5 AMP	3534208C1	HYDRAMAX SENSE
F1-E1&F1	5 AMP	3534208C1	ENGINE IGN		F2-E1&F1	20 AMP	3534211C1	TRAILER/BODY TAIL LAMPS
F1-G1&H1	10 AMP	3534209C1	FAN SOLENOID		F2-G1&H1	20 AMP	3534211C1	TRAILER/BODY MARKER LAMPS
F1-G1&H1	5 AMP	3534208C1	FAN CLUTCH		F2-A2&B2	5 AMP	3534208C1	AIR ACT PARK BRAKE (AUTO APPLY)
F1-A2&B2	5 AMP	3534208C1	EXHAUST BRAKE		F2-C2&D2	30 AMP	3534213C1	TRAILER ABS
F1-C2&D2	5 AMP	3534208C1	WASHER PUMP		F2-C2&D2	30 AMP	3534213C1	TRAILER AUX FEED
F1-E2&F2	-	-	-		F2-E2&F2	15 AMP	3534210C1	TRAILER RIGHT TURNS
F1-G2&H2	10 AMP	3534209C1	XMSN IGN/NEUTRAL		F2-G2&H2	15 AMP	3534210C1	TRAILER LEFT TURNS
F1-A3&B3	5 AMP	3534208C1	HYD ABS ECU IGN		F2-A3&B3	25 AMP	3534212C1	TRAILER AUX/BODY BUILDER ACC
F1-C3&D3	10 AMP	3534209C1	IGNITION		F2-A3&B3	20 AMP	3534212C1	BODY BUILDER ACC
F1-E3&F3	20 AMP	3534211C1	AIR DRYER/DRAIN VALVE		F2-C3&D3	5 AMP	3534208C1	PAM MODULE
F1-G3&H3	15 AMP	3534210C1	BODY BUILDER STOP LAMPS		F2-E3&F3	5 AMP	3534208C1	REMOTE POWER MODULES
F1-A4&B4	10 AMP	3534209C1	FUEL TRANSFER PUMP		F2-G3&H3	20 AMP	3534211C1	FUEL HEATER
F1-C4&D4	5 AMP	3534208C1	AIR SUSPENSION		F2-A4&B4	30 AMP	3534213C1	AUTOSHIFT XMSN
F1-E4&F4	5 AMP	3534208C1	AUTO NEUTRAL		F2-C4&D4	-	-	-
F1-G4&H4	5 AMP	3534208C1	V8 ENGINE ECM		F2-E4&F4	30 AMP	3534213C1	AIR ABS ECU
					F2-E4&F4	30 AMP	3534213C1	HYD ABS MODULATOR
					F2-G4&H4	25 AMP	3534212C1	HYD ABS ECU BATT
					F2-A3&B3	20 AMP	3534211C1	BODY BUILDER ACCESSORY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	21MAY04	LAS/ADDED TRAILER AUX FEED.	F	59144A	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 21JUN00 · PART NO. AE08-52376 · SHEET 21

Figure 198 Connector Composite (4001)

12.25. CONNECTOR COMPOSITE (4002), P. 22

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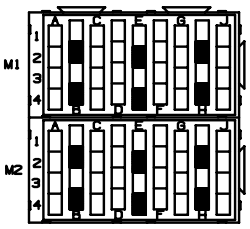
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

MICRO RELAY BLOCKS (4002)
(LOCATED IN POWER DISTRIBUTION CENTER)

CAV	CIR	GAUGE	COLOR	TERM	-	CAV	CIR	GAUGE	COLOR	TERM
M1-A1	J59RE	16	GY	3573312C1		M2-C4	J56H	16	OR	3515517C1
M1-A1	J64-GA	18	WH	3573312C1						
M1-B1	J52B	14	YL	3559035C1						
M1-C1	J59RD	16	GY	3573312C1		M2-C4	J56K	16	OR	3515517C1
M1-C1	J64HI	14	YL	3573312C1						
M1-A2	J59RC	16	GY	3536300C1		M2-A4	J56T	12	OR	3516158C1
M1-A2	J52HI	14	YL	3559035C1						
M1-B2	PLUG	-	-	-		M2-C3	J56C	12	OR	3516158C1
M1-C2	(J59RC)	-	-	3536300C1		M2-A3	J56-GH	18	WH	3515517C1
M1-C2	J64C	16	YL	3573312C1						
M1-C4	(J23Z)	-	-	3536300C1		M2-B4	PLUG	-	-	-
M1-A4	J23Z	18	TN	3536300C1		M2-F2	J64AB	16	YL	3573311C1
M1-A3	J23A	18	TN	3515517C1		M2-F2	J64C	16	YL	3573311C1
M1-B3	J23	18	TN	3515517C1		M2-D2	J53LO	14	YL	3573312C1
M1-C4	J24C	18	GY	3536300C1		M2-E1	J53B	14	YL	3573312C1
M1-A4	(J24C)	-	-	3536300C1		M2-E2	PLUG	-	-	-
M1-C3	J24B	18	GY	3515517C1		M2-D2	J53LO	14	YL	3516158C1
M1-A3	J24A	18	GY	3515517C1		M2-E1	J53B	14	YL	3516158C1
M1-B4	PLUG	-	-	-		M2-F1	J64LO	14	YL	3516158C1
M1-D1	J71#113	18	OR	3515517C1		M2-D1	J64-GA/J64-G	18/18	WH	3573312C1
M1-D2	J71J	18	OR	3515517C1		M2-E2	PLUG	-	-	-
M1-F1	J71B	18	OR	3515517C1		M2-D1	J59RA	16	GY	3573312C1
M1-F2	J71H	18	OR	3515517C1		M2-E1	J59RF	16	GY	3573312C1
M1-E2	PLUG	-	-	-		M2-D2	J59RD	16	GY	3573312C1
M1-F4	J92HM4	18	TN	3536295C1		M2-F2	J59RB	16	GY	3573312C2
M1-D4	J17	18	PK	3515517C1		M2-E2	PLUG	-	-	-
M1-F3	J17SA	18	PK	3515517C1		M2-F4	J57H	16	OR	3515517C1
M1-D3	J17-GR1	18	PK	3515517C1		M2-F4	J57K	16	OR	3515517C1
M1-E4	PLUG	-	-	-		M2-D4	J57T	12	OR	3516158C1
M1-J4	J13AS	18	PK	3515517C1		M2-F3	J57C	12	OR	3516158C1
M1-G4	J19A	16	GY	3515517C1		M2-D3	J73J	16	LT BL	3549416C1
M1-G4	J19E	16	GY	3536295C1		M2-D3	J57-GH	18	WH	3515517C1
M1-J3	J19	16	GY	3515517C1		M2-E4	J73J	16	LT BL	-
M1-G3	J19-G	18	WH	3515517C1		M2-J2	J94HV	18	GY	3515517C1
M1-H4	PLUG	-	-	-		M2-J2	J64C	16	YL	3515517C1
M1-A1	J92RB	16	TN	3573312C1		M2-G2	J94HH	18	GY	3515517C1
M1-C1	J92D161	16	TN	3573312C1		M2-J1	J94HE	18	GY	3515517C1
M1-A2	J92#163	16	TN	3573312C1		M2-G1	J94-GHF	18	WH	3515517C1
M1-C2	J13RA	16	TN	3573312C1		M2-H2	PLUG	-	-	-
M1-G1	J37D	18	TN	3515517C1		M2-G2	J52HI	14	YL	3516158C1
M1-J1	J37	16	TN	353312C1		M2-H1	PLUG	-	-	-
M1-G2	J37C	16	TN	353312C1		M2-J1	PM59K	18	BK	3536295C1
M1-J2	(J37C)	-	-	3536300C1		M2-G1	J59-GC	18	WH	3515517C1
M1-G3	J97J	18	VT	3515517C1		M2-H2	PLUG	-	-	-
M1-J3	J97H	18	VT	3515517C2		M2-G3	J92-GJ	18	WH	3515517C1
M1-J4	J97JA	18	VT	3515517C3		M2-G3	J92RD	18	TN	3515517C1
M1-G4	J97HA	16	VT	3573312C1		M2-G4	J92APA	18	TN	3515517C1
M2-A1	J92A114	18	TN	3515517C1		M2-G4	J92NB	16	TN	3573312C1
M2-A2	J17BC	18	PK	3515517C1		M2-H3	J17B	18	PK	3515517C1
M2-B1	J92HM5	18	TN	3515517C1		M2-H3	J92FN	16	TN	3573312C1
M2-C1	J92J	18	TN	3536295C1		M2-J4	J92AY	18	TN	3515517C1
M2-C1	J92JA	18	TN	3536295C1		M2-J4	J92FBA	16	TN	3573312C1
M2-C2	J92JA	18	TN	3536295C1		M2-H4	PLUG	-	-	-
M2-B2	PLUG	-	-	-		M2-J3	J92FB	16	TN	3573312C1



CONNECTOR ASSY - 3545598C91
LOCK - 3536065C1
MICRO RELAY - 3519350C1
PLUG - 3555642C1

LOCATION	DESCRIPTION
M1-A1,M1-C2	REMOTE START/STOP
M1-A3,M1-C4	EXHAUST BRAKE
M1-A3,M1-C4	FAN CLUTCH
M1-D1,M1-F2	BACK UP LAMPS W/WTEC XMSN
M1-D3,M1-F4	CRANK ENABLE W/AUTONEUTRAL
M1-G3,M1-J4	FUEL HEATER
M2-A1,M2-C2	NEUTRAL W/WTEC AUTONEUTRAL
M2-A3,M2-C4	TRAILER LEFT TURNS
M2-D1,M2-F2	REMOTE START/STOP
M2-D1,M2-F2	AUX HEADLIGHT LO BEAM
M2-D3,M2-F4	TRAILER RIGHT TURNS
M2-G1,M2-J2	HYD ABS EVENT
M2-G1,M2-J2	AUX HEADLIGHT HI BEAM
M2-G3,M2-J4	WTEC AUTO NEUTRAL LAMP

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	22DEC05	ADDED CKT J73J AT	J	59581V	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		M2-D3			RELEASE NO. P52778H	DATE 28JUN00 PART NO. AE08-52376 SHEET 22

Figure 199 Connector Composite (4002)

12.26. CONNECTOR COMPOSITE (4003), P. 23

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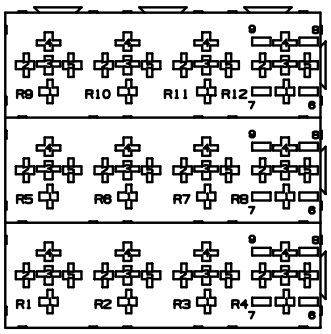
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

ISO & POWER RELAYS (4003)
(LOCATED IN POWER DISTRIBUTION CENTER)



LOCATION	DESCRIPTION
R1	WIPER POWER
R2	WIPER HI-LOW
R3	BODY BUILDER ACC
R3	TRAILER AUX
R4	LECTRASHIFT PTO
R4	AUXILARY 40 AMP CIRCUIT
R4	REMOTE START/STOP
R5	TRAILER ABS
R5	TRAILER AUX FEED
R6	TRAILER/BODY TAIL & MARKERS
R7	TRAILER/BODY STOP LAMPS
R8	V8 ENGINE IDM
R9	PRIMARY IGNITION
R10	HYD ABS MOD PUMP
R10	AIR ABS ECU
R11	I6 ENGINE ECM
R11	V8 ENGINE ECM
R12	STARTER
R12	STARTER W/AUTONEUTRAL

CONNECTOR ASSY - 3545600C91
LOCK - 3536093C1
ISO RELAY - 2012557C1

CAV	CIR	GAUGE	COLOR	TERM	-	CAV	CIR	GAUGE	COLOR	TERM
R1-1	J82HLP	16	GY	1661226C1		R7-1	J14S/J14SA	12/16	RD	1661227C1
R1-2	J82RP	18	GY	1661224C1		R7-5	J14SA	16	RD	1661228C1
R1-3	J82P	16	GY	1661226C1		R7-4	J70SA	10	OR	1661227C1
R1-4	J82HL	16	GY	1661226C1		R7-4	J70BS	14	OR	1661228C1
R1-5	J82FB	18	GY	1661224C1		R7-4	J70SB	12	OR	1661228C1
R2-1	J82HLP	16	GY	1661226C1		R7-4	J70BA	14	OR	1661226C1
R2-2	J82RH	18	GY	1661224C1		R7-2	J70C	18	GY	1661224C1
R2-3	J82L	16	GY	1661226C1		R8-1	J97TC	10	VT	1661227C1
R2-4	J82H	16	GY	1661226C1		R8-5	J97LB	18	VT	1661224C1
R2-5	J82FA	18	GY	1661224C1		R8-4	J97TA	10	VT	1661227C1
R3-2	J11-GBR	18	WH	1661224C1		R8-2	J97LA	18	VT	1661224C1
R3-1	J14BB	14	RD	1661226C1		R9-1	J13CW	10	PK	1661227C1
R3-5	J12BA	18	LT BL	1661224C1		R9-5	J13C	18	PK	1661224C1
R3-4	J12BB	14	LT BL	1661226C1		R9-4	J14D	10	RD	1661227C1
R3-2	J72-G	18	WH	1661224C1		R9-2	J11-GD	18	WH	1661224C1
R3-1	J72	12	OR	1661227C1		R9-3	J11-GE	12	WH	1661227C1
R3-5	J72B	18	OR	1661224C1		R10-1	J94HC	14	GY	1661226C1
R3-4	J72A	12	OR	1661227C1		R10-5	J94HX	18	GY	1661224C1
R4-1	J14LC/J14LP	10/10	RD	1661228C1		R10-4	J94HS	12	GY	1661227C1
R4-1	J103C/J103B	10/10	LTGN	1661226C1		R10-4	J94A	14	GY	1661228C1
R4-1	J104D/J59RB	18/18	DKBL/GY	1661226C1		R10-2	J94-GHD	18	WH	1661224C1
R4-2	J12LC	18	PK	1661224C1		R11-1	J97AA	12	VT	1661228C1
R4-2	J103A	18	LTGN	1661224C1		R11-1	J97AAA	14	VT	1661228C1
R4-2	J104E	18	DKBL	1661224C1		R11-1	J97HA	18	VT	1661224C1
R4-3	J59RC	18	GY	1661224C1		R11-1	J19A	14	GY	1661228C1
R4-4	J14LS/J46C	12/16	WH/PL	1661227C1		R11-2	J97T	18	VT	1661224C1
R4-4	J103D	12	LTGN	1661227C1		R11-2	J97J	18	VT	1661224C1
R4-4	J104CB/J104H	18/18	DKBL	1661226C1		R11-2	J19-G	16	WH	1661226C1
R4-5	J14LC	10	RD	1661227C1		R11-4	J97W	10	VT	1661227C1
R4-5	J103B	10	LTGN	1661227C1		R11-4	J97H	18	VT	1661224C1
R4-5	J104/J104F	18/18	DKBL	1661226C1		R11-4	J19	14	GY	1661228C1
R5-1	J94UA	12	GY	1661227C1		R11-5	J97AAA	14	VT	1661226C1
R5-1	J72UA	12	OR	1661227C1		R11-5	J97JA	18	VT	1661224C1
R5-5	J13AV	18	PK	1661224C1		R11-5	J13AS	16	PK	1661226C1
R5-4	J94BC	10	GY	1661227C1		R12-1	J17D	10	PK	1661227C1
R5-4	J72EB	10	OR	1661227C1		R12-2	J17S	18	PK	1661224C1
R5-2	J11-GW	18	WH	1661224C1		R12-4	J17E	10	PK	1661227C1
R6-1	J14R/J14RA	12/16	RD	1661227C1		R12-4	J17F/J17G	14/14	PK	1661227C1
R6-5	J14RA	16	RD	1661226C1		R12-5	J17	18	PK	1661224C1
R6-4	J58E	12	BN	1661228C1		R12-5	J17SA	18	PK	1661224C1
R6-4	J68E	12	BN	1661228C1		R12-5	J104K/J104CC	18/18	DKBL	3541250C1
R6-2	J58B	18	GY	1661224C1						

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	21MAY04	LAS/ADDED TRAILER AUX FEED.	F	59144A	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 28JUN00 · PART NO. AE08-52376 · SHEET 23

Figure 200 Connector Composite (4003)

12.27. CONNECTOR COMPOSITES (4004), (4007), (4008), P. 24

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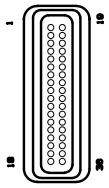
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

SYSTEM CONTROLLER (4004)

(LOCATED ON EXTERIOR DASH PANEL LEFT SIDE)



CONNECTOR - 3533834C1
BACKSHELL - 3533832C1
CPA - 3533836C1
RETAINER - 3533833C1
COVER - 3533834C1
SEAL - 3533835C1
PLUG - 3518314C1

CAV	CIR	GAUGE	COLOR	TERM	NOTES	-	CAV	CIR	GAUGE	COLOR	TERM
1	J32A	18	TN	3517243C1			19	J92DL	18	TN	3517243C1
2	J32	18	TN	3517243C1	W/AXLE TEMP		19	J92RD	18	TN	3517243C1
3	J31	18	TN	3517243C1			20	J82RH	18	GY	3517243C1
3	J31F	18	TN	3517243C1			21	J70C	18	GY	3517243C1
3	J88B	18	LT GN	3517243C1	W/HOURMETER		22	J59C	18	GY	3517243C1
4	J38B	18	TN	3517243C1			23	J94HP	18	GY	3517243C1
5	J38A	18	TN	3517243C1			24	J59B	18	GY	3517243C1
6	J77A	20	LT GN	3517243C1			25	J37D	18	TN	3517243C1
7	J77D	20	LT GN	3517243C1			26	J9A	18	GY	3517243C1
8	J77C	20	LT GN	3517243C1			27	J8A	18	GY	3517243C1
9	J104A	18	DK BL	3517243C1	W/REMOTE START/STOP		28	J90J	18	GY	3517243C1
10	J30A	18	TN	3517243C1			29	J82RP	18	GY	3517243C1
11	J19D	18	GY	3517243C1			30	J59D	18	GY	3517243C1
11	J19C	18	GY	3517243C1			31	J59A	18	GY	3517243C1
12	J87C	18	GY	3517243C1			32	J104	18	DK BL	3517243C1
							32	J84AB	18	YL	3517243C1
12	J87CA	18	GY	3517243C1			33	PLUG	-	-	-
13	J61C	18	GY	3517243C1			34	J5M(+)	20	YL	3517243C1
13	J94HH	18	GY	3517243C1	W/HYD ABS		35	J5M(-)	20	GN	3517243C1
13	J40F	18	GY	3517243C1	W/AIR APP GAUGE		36	PLUG	-	-	-
14	PLUG	-	-	-							
15	J70NV	18	RD	3517243C1							
15	PLUG	-	-	-							
16	J44M	18	GY	3517243C1							
17	J58B	18	GY	3517243C1							
18	J83	18	TN	3517243C1	W/2SPD AXLE&MAN XMSN						

SYSTEM CONTROLLER BROWN (4007)

(LOCATED ON EXTERIOR DASH PANEL LEFT SIDE)

CONNECTOR - 3548934C1
LOCK - 3548943C1
PLUG - 3535938C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
A	J64A	12	BN	3534163C1	3548945C1	W/FOG LIGHTS
B	J57AA	16	OR	3535930C1	3535936C1	
C	J56AA	16	OR	3535930C1	3535936C1	
D	J53A	14	YL	3535931C1	3535937C1	N/AUX HEADLIGHTS
D	J53LO	14	YL	3535931C1	3535937C1	W/AUX HEADLIGHTS
E	J85AA	16	GY	3535930C1	3535936C1	
F	J65	16	OR	3535930C1	3535936C1	
G	J52HI	14	YL	3535931C1	3535937C1	W/AUX HEADLIGHTS
G	J52A	14	YL	3535931C1	3535937C1	N/AUX HEADLIGHTS
H	J58A	14	BN	3535931C1	3535937C1	

SYSTEM CONTROLLER BLUE (4008)

(LOCATED ON EXTERIOR DASH PANEL LEFT SIDE)

CONNECTOR - 3548933C1
LOCK - 3548943C1
PLUG - 3535938C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
A	J59F	16	GY	3535930C1	3535936C1	W/SOLENOID 7-PACK
A	J59E	14	GY	3535931C1	3535937C1	W/SOLENOID 4-PACK
B	J57J	16	OR	3535930C1	3535936C1	
C	J56J	16	OR	3535930C1	3535936C1	
D	J90HA	12	GY	3534163C1	3548945C1	
E	PLUG	-	-	-	-	
F	J82F	16	GY	3535930C1	3535936C1	
G	J77B	16	LT GN	3535930C1	3535936C1	
H	PLUG	-	-	-	-	

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JKP	28FEB05	CKT J64AB WAS IN CAV	G	59184T	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		A IN CONN (4007).			RELEASE NO. P52778H	DATE 26JUN00 / PART NO. AE08-52376 / SHEET 24

Figure 201 Connector Composites (4004), (4007), (4008)

12.28. CONNECTOR COMPOSITE (4014), P. 25

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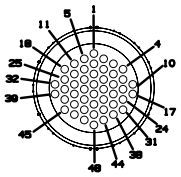
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

PASS THROUGH AT DASH (4014)

(LOCATED ON DASH PANEL LEFT SIDE)

OUTSIDE



CONNECTOR ASSY - 3566554C91
COVER - 3566555C1
WAFER - 3566572C1

CAV	CIR	GA	COLOR	TERM	NOTES
1	J99V	18	VT	3566558C1	CHASSIS WRG, BASE
2	J97Y	18	VT	3566558C1	CHASSIS WRG, BASE
3	J40FA	18	GY	3566558C1	AIR PRES GA W/HYD
3	J99W	18	VT	3566558C1	DASH WRG CUMMINS ISM
3	J92#135	18	TN	3566558C1	DASH WRG CUMMINS ISM
4	J99U	18	VT	3566558C1	CHASSIS WRG, BASE
5	J97P	18	VT	3566558C1	CHASSIS WRG, BASE
6	J1	18	LT BL	3566558C1	CAB D-LINK WRG J1939
6	J59R	18	BK	3566558C1	LIFT AXLE EXT CAB
6	J3E(+)	18	DK BL	3566558C1	CENTRAL TIRE INFLATION
7	J97QA	18	VT	3566558C1	CEC V8 OR I6 EGR ENG
7	J97Q	18	VT	3566558C1	CEC I6 ENG CUMMINS ISM
8	J17	18	PK	3566558C1	KEY START W/CRNK INHB
8	J17C	18	PK	3566558C1	ULTRASHIFT DM2
8	J104K	18	DK BL	3566558C1	REMOTE START/STOP
8	J104M	18	DK BL	3566558C1	REM ST/STP W/CRNK INH
9	J3A(+)	18	DK BL	3566558C1	CHASSIS WRG, BASE
10	J3A(-)	18	GY	3566558C1	CHASSIS WRG, BASE
11	J5B(+)	18	YL	3566558C1	J1939 W/AIR ABS OR PAM
11	J5E(+)	18	YL	3566558C1	J1939 N/AIR ABS
12	J5B(-)	18	GN	3566558C1	J1939 W/AIR ABS OR PAM
12	J5E(-)	18	GN	3566558C1	J1939 N/AIR ABS
13	J12BA	18	LT BL	3566558C1	TRLR SKT BDY BLDR
14	J70NT	16	RD	3566558C1	ELECT TRLR BRAKE
14	J3E(+)	18	DK BL	3566558C1	ELECT TRLR BRAKE
15	J13C	18	PK	3566558C1	CHASSIS WRG, BASE
16	J47	18	GY	3566558C1	CAT ACERT SPD SIGNAL
16	J72B	18	OR	3566558C1	TRAILER SOCKET
17	J40F	18	GY	3566558C1	AIR APPLICATION GA
18	J17J	18	PK	3566558C1	MAN START/MAN XMSM
18	J17S	18	PK	3566558C1	MAN START
18	J92#16A	18	TN	3566558C1	XMSN WRG, WTEC
19	J49A	18	GY	3566558C1	DIFF LOCK SNDR SIGNAL
20	J49B	18	GY	3566558C1	2ND DIFF LOCK SNDR
21	J14HC	16	RD	3567154C1	2 WAY RADIO
22	J74	18	LT GN	3566558C1	HEATER RECIRC
23	J74A	18	LT GN	3566558C1	HEATER RECIRC
24	J23F	18	TN	3566558C1	SNOW VALVE
25	J23H	18	TN	3566558C1	SNOW VALVE
26	J23J	18	TN	3566558C1	SNOW VALVE
26	J71P	18	BK	3566558C1	LFT AXLE EXT CAB
26	J104B	18	DK BL	3566558C1	W/REMOTE START/STOP
27	J23K	18	TN	3566558C1	SNOW VALVE
27	J59RA	18	GY	3566558C1	W/REMOTE START/STOP
27	J59M	18	BK	3566558C1	LFT AXLE EXT CAB
28	J14-GD	16	WH	3567154C1	2 WAY RADIO

CAV	CIR	GA.	COLOR	TERM	NOTES
29	J21E	18	TN	3566558C1	ETHER START
29	J92C124	18	TN	3566558C1	WTEC XMSN WRG
30	J87BA	18	GY	3566558C1	WASHER PUMP
30	J87BB	18	GY	3566558C1	WASHER PUMP
31	J23L	18	TN	3566558C1	SNOW VALVE
31	J59J	18	BK	3566558C1	LIFT AXLE EXT CAB
31	J104D	18	DK BL	3566558C1	REMOTE START/STOP
32	J59K	18	BK	3566558C2	LIFT AXLE EXT CAB
32	J42	18	GY	3566558C1	XFER CASE WRNG LT
32	J22B	18	TN	3566558C2	CENT TIRE INFLATION
33	J92D143	18	TN	3566558C1	WTEC XMSN WRG
33	J17C	18	PK	3566558C1	EATON XMSN WRG
34	J41A	18	GY	3566558C1	FWD TEMP SENDER
35	J41	18	GY	3566558C1	FWD TEMP SENDER
36	J92#173	18	TN	3566558C1	WTEC XMSN WRG
36	J92S(+)	20	YL	3566558C1	EATON XMSN WRG
37	J92#128	18	TN	3566558C1	LCT XMSN
37	J92#180	18	TN	3566558C1	WTEC XMSN WRG
37	J92T(-)	20	GN	3566558C1	EATON XMSN WRG
38	J92#110	18	TN	3566558C1	LCT XMSN
38	J92#124	18	TN	3566558C1	WTEC XMSN WRG
38	J92U(S)	20	NONE	3566558C1	EATON XMSN WRG
39	J92#175	18	TN	3566558C1	WTEC XMSN WRG
39	J92AC	16	TN	3566558C1	EATON XMSN WRG
40	J92#174	18	TN	3566558C1	WTEC XMSN WRG
40	J92AD	16	TN	3566558C1	EATON XMSN WRG
40	J44L	18	GY	3566558C1	AUTO APP/REL
41	J92AE	16	TN	3566558C1	EATON XMSN WRG
41	J92D136	18	TN	3566558C1	WTEC XMSN WRG
42	J92#172	18	TN	3566558C1	WTEC XMSN WRG
42	J92Z	16	TN	3566558C1	EATON XMSN WRG
43	J92#171	18	TN	3566558C1	WTEC XMSN WRG
43	J92AA	16	TN	3566558C1	EATON XMSN WRG
44	J92#170	18	TN	3566558C1	WTEC XMSN WRG
44	J92AB	16	TN	3566558C1	EATON XMSN WRG
45	J92APA	18	TN	3566558C1	WTECIII W/AUTO NEUT
45	J22A	18	TN	3566558C1	CENT TIRE INFLATION
45	J92#163	18	TN	3566558C1	WTEC XMSN WRG
45	J92AH	18	TN	3566558C1	ULTRASHIFT DM2
46	J98(+)	18	BK	3566558C1	CENT TIRE INFLATION
46	J92#125	18	TN	3566558C1	WTEC XMSN WRG
46	J92AJ	18	TN	3566558C1	ULTRASHIFT DM2
47	J98(-)	18	BK	3566558C1	CENT TIRE INFLATION
47	J92D161	18	TN	3566558C1	WTEC XMSN WRG
48	J12LC	18	PK	3566558C1	LECTRASHIFT PTO
48	J103A	18	LT GN	3566558C1	WRG 40A BDY BLDR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	15OCT03	RMVD J59A,ADDED J59RA	F	58232W	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
CNA	8JAN04	DLV1/MULTIPLE CHANGES	G	59006T	RELEASE NO. P52778H	DATE 26JUN00 PART NO. AE08-52376 SHEET 25

Figure 202 Connector Composite (4014)

12.29. CONNECTOR COMPOSITE (4014/1700), P. 26

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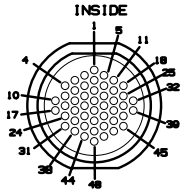
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

PASS THROUGH AT DASH (4014/1700)

(LOCATED ON DASH PANEL LEFT SIDE)

INSIDE



CONNECTOR - 3566553C1
GASKET - 3566556C1
JAM NUT - 3566557C1
ALL TERMS - 3566558C1 OR 3567157C1

CAV	CIR	GA.	COLOR	NOTES
1	A99V	18	VT	CAB/PLATFORM WRG BASE
2	A97Y	18	VT	CAB/PLATFORM WRG BASE
3	A99W	18	VT	CAB/PLATFORM WRG BASE
4	A99U	18	VT	CAB/PLATFORM WRG BASE
5	A97P	18	VT	CAB/PLATFORM WRG BASE
6	A59R	18	BK	LIFT AXLE EXT CAB
6	A3D(+)	18	DKBL	CENTRAL TIRE INFLATION
7	A97Q	18	VT	ACC & CLUTCH CKTS I6&V8
7	A99E	18	VT	ACC & CLUTCH CKTS I6&V8
8	A17	18	PK	START WIRING
8	A17C	16	PK	ULTRASHIFT DM2
9	A3A(+)	18	DKBL	PWRTRN WRG, J1708 N/OPT
9	A3B(+)	18	DKBL	PWRTRN WRG, J1708 N/OPT
10	A3A(-)	18	GY	PWRTRN WRG, J1708 N/OPT
10	A3B(-)	18	GY	PWRTRN WRG, J1708 N/OPT
11	A5B(+)	18	YL	PWR TRAIN WRG, N/EATON
12	A5B(-)	18	GN	PWR TRAIN WRG, N/EATON
13	A12M	16	LT BL	START WIRING
14	A70NT	16	RD	ELECTRONIC TRLR BRK PKG
14	A3D(-)	18	GY	CENTRAL TIRE INFLATION
15	A13C	18	PK	START WIRING
16	A14HD	16	RD	TRLR WRG W/AUX SOCKET
16	A47T	18	GY	CAT ACERT SPD SIGNAL
16	A12R	16	LT BL	TRLR WRG W/AUX SOCKET
17	A40F	18	GY	BRAKE W/AIR APP GAUGE
18	A17J	18	PK	CAB/PLATFORM WRG BASE
19	A49D	18	GY	DIFF LOCK WARNING LIGHT
19	A90M	18	GY	HYD MONITOR MODULE
20	A90N	18	GY	HYD MONITOR MODULE
20	A49F	18	GY	DIFF LOCK WARNING LIGHT
21	A14HC	16	RD	W/2-WAY RADIO
22	A74	18	LTGN	CAB/PLATFORM WRG BASE
23	A74A	18	LTGN	CAB/PLATFORM WRG BASE
24	A92#125	18	TN	W/WTEC MD W/RTDR
24	A23F	18	TN	W/SNOW VALVE
24	A50S	18	YL	TRIP RECORDER
25	A23H	18	TN	W/SNOW VALVE
26	A23J	18	TN	W/SNOW VALVE
26	A104H	16	DKBL	W/REMOTE START/STOP
26	A71P	18	BK	LIFT AXLE EXT CAB
27	A23K	18	TN	W/SNOW VALVE
27	A59M	18	BK	LIFT AXLE EXT CAB
27	A59RA	18	GY	W/REMOTE START/STOP
28	A11-GAP	16	WH	W/2-WAY RADIO
29	A21E	16	TN	ETHER START
29	A92#135	18	TN	WTEC AUTO XMSN W/RTDR
30	A87B	18	GY	CAB/PLATFORM WRG BASE

CAV	CIR	GA.	COLOR	NOTES
31	A23L	18	TN	W/SNOW VALVE
31	A104EC	18	DKBL	W/REMOTE START/STOP
31	A59J	18	BK	LIFT AXLE EXT CAB
32	A59K	18	BK	LIFT AXLE EXT CAB
32	A22B	18	TN	CENTRAL TIRE INFLATION
32	A42	18	GY	W/XFERCASE WRNG LIGHT
33	A17C	16	PK	W/EATON XMSN
33	A143D	18	GY	WTEC AUTO XMSN
34	A41A	18	GY	DOME/COURTESY WIRING
35	A41	18	GY	DOME/COURTESY WIRING
36	A173	18	YL	W/WTEC XMSN
36	A92D(+)	20	YL	W/EATON XMSN
37	A180	18	DKBL	W/WTEC XMSN
37	A110	18	YL	W/LCT XMSN
37	A92D(-)	20	GN	W/EATON XMSN
38	A124	18	PK	W/WTEC XMSN
38	A123	18	PK	W/LCT XMSN
38	A92D(S)	20	NONE	W/EATON XMSN
39	A92AC	16	TN	W/EATON XMSN
39	A175	18	LTGN	W/WTEC XMSN
40	A92AD	16	TN	W/EATON XMSN
40	A174	18	TN	W/WTEC XMSN
40	A92AF	18	TN	W/LCT XMSN
41	A92AE	16	TN	W/EATON XMSN
41	A136D	18	PK	W/WTEC XMSN
41	A92AG	18	TN	W/LCT XMSN
42	A172	18	DKBL	W/WTEC XMSN
42	A92Z	16	TN	W/EATON XMSN
43	A92AA	16	TN	W/EATON XMSN
43	A171	18	LTGN	W/WTEC XMSN
44	A92AB	16	TN	W/EATON XMSN
44	A170	18	OR	W/WTEC XMSN
45	A28B	18	TN	XMSN NEUTRAL LIGHT
45	A22A	18	TN	CENTRAL TIRE INFLATION
45	A92RA	18	TN	W/WTEC XMSN
45	A92AH	16	TN	W/EATON XMSN
46	A92C124	18	TN	W/WTEC XMSN
46	A98(+)	18	BK	CENTRAL TIRE INFLATION
46	A92AJ	16	TN	W/EATON XMSN - W/RTDR
47	A98(-)	18	BK	CENTRAL TIRE INFLATION
47	A92RC	18	TN	W/WTEC XMSN
48	A12LC	18	PK	W/LECTRASHIFT PTO
48	A92#164	18	TN	W/WTEC XMSN - W/RTDR
48	A103	18	LT GN	W/AUX 40 AMP CIRCUIT

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	11SEP03	ADDED CKT A42.	F	58774T	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
CNA	8JAN04	DLV1/MULTIPLE CHANGES	G	59006T	RELEASE NO. P52778H	DATE 31MAY00 · PART NO. AE08-52376 · SHEET 26

Figure 203 Connector Composite (4014/1700)

12.30. CONNECTOR COMPOSITES (4015), (4017), (4018), (4019), (4020), (4021), (4022), (4023), P. 27

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

WIPER MOTOR (4015)
(LOCATED ON EXTERIOR DASH PANEL, CENTER)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J82B	16	GY	2033819C1	1652325C1
B	J82P	16	GY	2033819C1	1652325C1
C	J82-G	16	WH	2033819C1	1652325C1
D	J82H	16	GY	2033819C1	1652325C1
E	J82L	16	GY	2033819C1	1652325C1

CONNECTOR - 1661375C2
LOCK - 1661376C1

HVAC RECIRC MOTOR (4017)
(LOCATED ON EXTERIOR DASH PANEL, RIGHT SIDE)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J74	18	LT GN	1661875C1	1661872C1
B	PLUG	-	-	-	-
C	PLUG	-	-	-	-
D	PLUG	-	-	-	-
E	PLUG	-	-	-	-
F	J74A	18	LT GN	1661875C1	1661872C1

CONNECTOR - 2011340C1
LOCK - 2011364C1
PLUG - 2025431C1

A/C ACCUMULATOR THERMISTOR #2 (4018)
(LOCATED ON EXTERIOR DASH PANEL RIGHT SIDE)

CAV	CIR	GAUGE	COLOR	TERM
A	J77A	20	LT GN	3536590C1
B	J9J	20	GY	3536590C1

CONNECTOR - 3535379C1
LOCK - 3536591C1

A/C ACCUMULATOR THERMISTOR #1 (4019)
(LOCATED ON EXTERIOR DASH PANEL RIGHT SIDE)

CAV	CIR	GAUGE	COLOR	TERM
A	J77D	20	LT GN	3536590C1
B	J9K	20	GY	3536590C1

CONNECTOR - 3535379C1
LOCK - 3536591C1

FUEL FILTER & WARN LIGHTS (4020)
(LOCATED NEAR WIPER MOTOR BRACKET)

DASH HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J19A	16	GY	2033819C1	1652325C1
B	J19B	18	GY	2033819C1	3517771C1
C	J19C	18	GY	2033819C1	1652325C1

CONNECTOR - 1686834C1
LOCK - 1664408C1
PLUG - 0587579C1

ENGINE HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	[J19A]	16	GY	2033911C1	1652325C1
B	[J19B]	16	GY	2033911C1	1652325C1
C	J19C	16	GY	2033911C1	1652325C1

CONNECTOR - 3553961C1
LOCK - 3554019C1
PLUG - 0587579C1

WASHER PUMP (4021)
(LOCATED AT WASHER BOTTLE)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	J87B	18	GY	3554326C1	3554319C1
2	J87K	18	GY	3554326C1	3554319C1

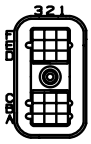
CONNECTOR - 35554294C1

WASHER FLUID LEVEL SENSOR (4022)
(LOCATED AT WASHER BOTTLE)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	J87C	18	GY	3554322C1	3554318C1
2	J87H	18	GY	3554322C1	3554318C1

CONNECTOR - 3554317C1

AIR ABS ECU #2 (4023)
(LOCATED NEAR EXTERIOR DASH PANEL LEFT SIDE ON ABS CONTROLLER)



CONNECTOR - 3554088C1
PLUG - 1687788C1

CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM
A1	J94AH	18	GY	3565443C1	D1	J94AC	18	GY	3565443C1
A2	PLUG	-	-	-	D2	J94ATC	18	GY	3565443C1
A3	PLUG	-	-	-	D3	J94ATR	18	GY	3565443C1
B1	J94AJ	18	GY	3565443C1	E1	J94AE	18	GY	3565443C1
B2	PLUG	-	-	-	E2	J94AL	18	GY	3565443C1
B3	PLUG	-	-	-	E3	J94AK	18	GY	3565443C1
C1	J94AF	18	GY	3565443C1	F1	J94AD	18	GY	3565443C1
C2	PLUG	-	-	-	F2	J94AB	18	GY	3565443C1
C3	PLUG	-	-	-	F3	J94AA	18	GY	3565443C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
PEC	9OCT02	DVD/3554088C1 WAS	C	56507Z	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		2010376C1.			RELEASE NO. P52778H	DATE 26JUN00 · PART NO. AE08-52376 · SHEET 27

Figure 204 Connector Composites (4015), (4017), (4018), (4019), (4020), (4021), (4022), (4023)

12.31. CONNECTOR COMPOSITES (4024), (4030), (4031), (4032), (4033), (4040), (4041), (4070), (4071), (4087), (4098), P. 28

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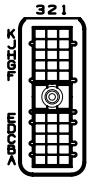
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

AIR ABS ECU #1 (4024)

(LOCATED NEAR EXTERIOR DASH PANEL LEFT SIDE ON ABS CONTROLLER)

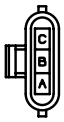


CONNECTOR - 3554087C1
LOCK - 1687788C1

CAV	CIR	GAUGE	COLOR	TERM	-	CAV	CIR	GAUGE	COLOR	TERM
A1	J94-GAC	18	WH	3565443C1		F1	J94AP	18	GY	3565443C1
A2	J94-GAB	18	WH	3565443C1		F2	PLUG	-	-	-
A3	J94-GAA	18	WH	3565443C1		F3	PLUG	-	-	-
B1	J94AYC	18	GY	3565443C1		G1	J94AS	18	GY	3565443C1
B2	PLUG	-	-	-		G2	J3D(+)	18	DK BL	3565443C1
B3	PLUG	-	-	-		G3	J3D(-)	18	GY	3565443C1
C1	J94AW	18	GY	3565443C1		H1	J94AR	18	GY	3565443C1
C2	PLUG	-	-	-		H2	J94AT	18	GY	3565443C1
C3	J5D(+)	20	YL	3565443C1		H3	J94AU	18	GY	3565443C1
D1	J94AX	18	GY	3565443C1		J1	J94AM	18	GY	3565443C1
D2	J5D(S)	20	NONE	3565443C1		J2	J94AN	18	GY	3565443C1
D3	J5D(-)	20	GN	3565443C1		J3	PLUG	-	-	-
E1	J94AV	18	GY	3565443C1		K1	PLUG	-	-	-
E2	PLUG	-	-	-		K2	J94AYA	18	GY	3565443C1
E3	PLUG	-	-	-		K3	J94AYB	18	GY	3565443C1

FUEL FILTER (4030)

(LOCATED IN ENGINE COMPARTMENT AT FUEL FILTER)



CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J19A	16	GY	1687738C1	1684232C1
B	PLUG	-	-	-	-
C	J19-GA	16	WH	1687738C1	1684232C1

CONNECTOR - 1687733C1
LOCK - 1687734C1
PLUG - 1675451C1

FLOW SWITCH (4031)

(LOCATED NEAR BRAKE FLUID RESERVOIR)

CAV	CIR	GAUGE	COLOR	TERM
A	J90CA	18	GY	2036596C1
B	J90-G	16	WH	2036596C1

CONNECTOR - 3519587C1

DIFFERENTIAL PRESSURE SWITCH (4032)

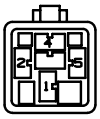
(LOCATED NEAR BRAKE FLUID RESERVOIR)

CAV	CIR	GAUGE	COLOR	TERM
A	[J90C]	16	GY	ASSY
B	[J90B]	16	GY	ASSY

CONNECTOR ASSY INCLUDING TERMINALS & WIRES - 3518873C91

HYDRAMAX PUMP RELAY (4033)

(LOCATED NEAR HYDRAMAX PUMP MOTOR)



CAV	CIR	GAUGE	COLOR	TERM
1	J90	12	GY	1661708C1
2	J90D	16	GY	1661707C1
4	J90F	12	GY	1661708C1
5	J90K	16	GY	1661707C1

CONNECTOR - 1661747C91

WIF MODULE (4040)

(LOCATED NEAR EXTERIOR DASH PANEL, LEFT SIDE)

CAV	CIR	GAUGE	COLOR	TERM
A	J19E	16	GY	2036586C1
B	J19D	18	GY	2036586C1
C	PLUG	-	-	-
D	J19C	18	GY	2036586C1

CONNECTOR - 2036585C1
PLUG - 1687788C1
WIF MODULE - 1811164C2

FUEL FILTER (4041)

(LOCATED ON FUEL FILTER)

CAV	GAUGE	COLOR	TERM
A	16	GY	ASSY

CONNECTOR ASSY INCLUDING TERMINAL & WIRE - 1684023C91

PRESSURE SWITCH (4070)

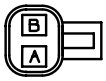
LOCATED IN ENGINE COMPARTMENT

CONNECTOR-1661777C1
LOCK-1661873C1

CAV	CIR	GAUGE	COLOR	TERM
C	J44J	18	GY	1661875C1
D	J44K	18	GY	1661875C1

DUMP SOLENOID (4071)

LOCATED IN ENGINE COMPARTMENT

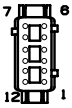


CONNECTOR-1671610C1
LOCK-1671608C1

CAV	CIR	GAUGE	COLOR	TERM
A	J44K	18	GY	2033819C1
B	J44L	18	GY	2033819C1

PAM MODULE (4087)

(LOCATED NEAR AIR FILTER IN ENGINE COMPARTMENT)



CONNECTOR - 3553404C1
BODY LOCK - 3553460C1
PLUG - 3527276C1

CAV	CIR	GAUGE	COLOR	TERM
1	PLUG	-	-	-
2	PLUG	-	-	-
3	PLUG	-	-	-
4	PLUG	-	-	-
5	PLUG	-	-	-
6	J26D	18	TN	3518963C1
7	J5P(+)	20	YL	3518963C1
8	J5P(-)	20	GN	3518963C1
9	J5P(S)	20	NONE	3518963C1
10	J26A	18	TN	3518963C1
11	J26B	18	TN	3518963C1
12	J11-GPM	18	WH	3518963C1

AIR SUSPENSION (4098)

(LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME RAIL)

DASH HARNESS

CONNECTOR - 1671610C1
BODY LOCK - 1671608C1
SEAL - 1652325C1
TERMINAL - 2033819C1(18 AWG)

CAV	CIR	GAUGE	COLOR
A	J61	16	GY
B	J61-G	18	GY

CHASSIS HARNESS

CONNECTOR - 1671611C1
BODY LOCK - 1671608C1
SEAL - 1652325C1
TERMINAL - 2033911C1(18 AWG)

CAV	CIR	GAUGE	COLOR
A	J61A	16	GY
B	J61-GA	16	WH

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JKP	23SEP04	ADDED 4070-4098	E	59169P	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 28JUN00 · PART NO. AE08-52376 · SHEET 28

Figure 205 Connector Composites (4024), (4030), (4031), (4032), (4033), (4040), (4041), (4070), (4071), (4087), (4098)

12.32. CONNECTOR COMPOSITES (4100), (4101), (4109), (4112), P. 29

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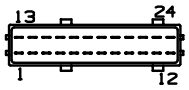
CONNECTOR COMPOSITES - MATING VIEW SHOWN

DASH CONNECTOR (4100)



CONNECTOR - 3558022C1
LOCK - 3558056C1
PLUG - 3532129C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	PLUG	-	-	-	-
2	K99S	18	VT	3559036C1	3509903C1
3	K97K	18	VT	3559036C1	3509903C1
4	K97C	18	VT	3559036C1	3509903C1
5	K99T	18	VT	3559036C1	3509903C1
6	K97R	18	VT	3559036C1	3509903C1
7	K5A(+)	18	YL	3559036C1	3532128C1
8	K5A(-)	18	GN	3559036C1	3532128C1
9	PLUG	-	-	-	-
10	K3A(+)	18	DKBL	3559036C1	3509903C1
11	K3A(-)	18	GY	3559036C1	3509903C1
12	K21B	18	TN	3559036C1	3509903C1
13	K97DF	18	VT	3559036C1	3509903C1
14	K23A	18	TN	3559036C1	3509903C1
14	K23A	16	TN	3559037C1	3509903C1
14	K97DF	18	VT	3559036C1	3509903C1
14	K23A	16	TN	3559037C1	3509903C1
14	K23A	16	TN	3559037C1	3509903C1
15	K23	18	TN	3559036C1	3509903C1
15	K23	18	TN	3559036C1	3509903C1
15	K24B	16	GY	3559037C1	3509903C1
16	K24A	18	GY	3559036C1	3509903C1
17	K17M	18	WH	3559036C1	3509903C1
17	K17K	18	PK	3559036C1	3509903C1
18	K97J	16	VT	3559037C1	3509903C1
19	K97M	16	VT	3559037C1	3509903C1
20	K77A	16	LTGN	3559037C1	3509903C1
21	PLUG	-	-	-	-
22	K26A	18	TN	3559036C1	3509903C1
23	K26B	18	TN	3559036C1	3509903C1
24	PLUG	-	-	-	-

DASH CONNECTOR STARTER/CEC POWER (4101)

CONNECTOR-1667733C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K97T	10	VT	1667737C1	1667735C1
B	K97X	10	VT	1667737C1	1667735C1
C	K17C	10	PK	1667737C1	1667735C1

THIS SPACE INTENTIONALLY LEFT BLANK

BODY BUILDER CIRCUITS (4109)

CONNECTOR - 2005835C1
LOCK - 2006503C1
PLUG - N/A

CAV	CIR	GAUGE	COLOR	TERM
A	K97AR	18	VT	1661208C1
B	K47B	18	GY	1661208C1
C	K46A	18	GY	1661208C1
D	K97DF	18	VT	1661208C1
E	K97WA	18	VT	1661208C1
F	K97EA	18	VT	1661208C1
G	K99F	18	VT	1661208C1
H	K97CB	18	VT	1661208C1

BODY BUILDER CIRCUITS (4112)

CONNECTOR - 2005835C1
LOCK - 2006503C1
PLUG - N/A

CAV	CIR	GAUGE	COLOR	TERM
A	K97XC	18	VT	1661208C1
B	-	-	-	-
C	-	-	-	-
D	-	-	-	-
E	-	-	-	-
F	-	-	-	-
G	-	-	-	-
H	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JKP	23SEP04	RMVD 4070-4098.	F	59169P	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		ADDED 4100,4109,4112.			RELEASE NO. P52778H	DATE 28JUN00 · PART NO. AE08-52376 · SHEET 29

Figure 206 Connector Composites (4100), (4101), (4109), (4112)

12.33. CONNECTOR COMPOSITE (4103), P. 30

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

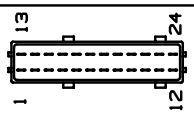
CONNECTOR COMPOSITES - MATING VIEW SHOWN

CONNECTOR - 3558022C1
SEAL - 3559074C1
LOCK - 3558056C1
SMALL PLUG - 3532129C1

ENGINE/DASH (4103)

I6 - EGR - ENGINE HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
1	K97LA	16	VT	3559037C1	3509903C1	
2	K99S	18	VT	3559036C1	3509903C1	
3	K97K	18	VT	3559036C1	3509903C1	
4	K97C	18	VT	3559036C1	3509903C1	
5	K99T	18	VT	3559036C1	3509903C1	
6	K97R	18	VT	3559036C1	3509903C1	
7	K5A(+)	18	YL	3559036C1	3532128C1	
8	K5A(-)	18	GN	3559036C1	3532128C1	
9	PLUG	-	-	-	-	
10	K3A(+)	18	DK BL	3559036C1	3509903C1	
11	K3B(-)	18	GY	3559036C1	3509903C1	
12	K21B	18	TN	3559036C1	3509903C1	
13	K1	16	LT BL	3559037C1	3509903C1	
14	K23A	16	TN	3559037C1	3509903C1	W/AIR FAN
14	K97DF	18	VT	3559036C1	3509903C1	W/BODY BUILDER
15	K24B	18	GY	3559036C1	3509903C1	
16	K24A	18	GY	3559036C1	3509903C1	
17	K17K	18	PK	3559036C1	3509903C1	W/OVERCRANK PROT
17	K17M	18	WH	3559036C1	3509903C1	N/OVERCRANK PROT
18	K97J	16	VT	3559037C1	3509903C1	
19	K97M	16	VT	3559037C1	3509903C1	
20	K77A	16	LT GN	3559037C1	3509903C1	
21	PLUG	-	-	-	-	
22	K26A	18	TN	3559036C1	3509903C1	
23	K26B	18	TN	3559036C1	3509903C1	
24	PLUG	-	-	-	-	

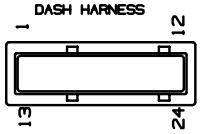


V8 ENGINE HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	K97LA	16	VT	3559037C1	3509903C1
2	K99S	18	VT	3559036C1	3509903C1
3	K97K	18	VT	3559036C1	3509903C1
4	K97	18	VT	3559036C1	3509903C1
5	K99T	18	VT	3559036C1	3509903C1
6	K97D	18	VT	3559036C1	3509903C1
7	K5S	20	YL	3559036C1	3509903C1
8	K5T	20	GN	3559036C1	3509903C1
9	K5U	20	NONE	3559036C1	3509903C1
10	K3A(+)	18	BK	3559036C1	3509903C1
11	K3B(-)	18	BK	3559036C1	3509903C1
12	K97LC	16	VT	3559037C1	3509903C1
13	K1	16	LT BL	3559037C1	3509903C1
14	K23A	18	TN	3559036C1	3509903C1
15	K23	18	TN	3559036C1	3509903C1
16	K19B	16	GY	3559037C1	3509903C1
17	K17L	18	PK	3559036C1	3509903C1
18	K97J	18	VT	3559036C1	3509903C1
19	K97UA	18	VT	3559036C1	3509903C1
20	K77A	16	LT GN	3559037C1	3509903C1
21	K97H	16	VT	3559037C1	3509903C1
22	K26A	18	TN	3559036C1	3509903C1
23	K26B	18	TN	3559036C1	3509903C1
24	K19C	16	GY	3559037C1	3509903C1

ENGINE/DASH (4103)

DASH HARNESS



CONNECTOR - 3558026C1
LOCK - 3558056C1
SMALL PLUG - 3532129C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
1	J97LA	18	VT	3509874C1	3509903C1	
1	J92RA	18	TN	3509874C1	3509903C1	
1	J99W	18	VT	3509874C1	3509903C1	
1	J30A	18	TN	3509874C1	3509903C1	
2	J99U	18	VT	3509874C1	3509903C1	
2	J30B	18	TN	3509874C1	3509903C1	
3	J97QA	18	VT	3509874C1	3509903C1	
3	J97Q	18	VT	3509874C1	3509903C1	
4	J97P	18	VT	3509874C1	3509903C1	
5	J99V	18	VT	3509874C1	3509903C1	
6	J97Y	18	VT	3509874C1	3509903C1	
7	J5E(+)	20	YL	3509874C1	3509903C1	N/AIR ABS
7	J5C(+)	20	YL	3509874C1	3509903C1	W/AIR ABS
8	J5E(-)	20	GN	3509874C1	3509903C1	N/AIR ABS
8	J5C(-)	20	GN	3509874C1	3509903C1	W/AIR ABS
9	J47	18	GY	3509874C1	3509903C1	W/CAT ACERT ENG SPD SIGNAL
10	J3B(+)	18	DK BL	3509874C1	3509903C1	
11	J3B(-)	18	GY	3509874C1	3509903C1	
12	J97LC	16	VT	3559035C1	3509903C1	W/V8
12	J21F	18	TN	3509874C1	3509903C1	W/ETHER START
13	J1	18	LT BL	3509874C1	3509903C1	
13	J97DF	18	TN	3509874C1	3509903C1	
14	J23FS	18	TN	3509874C1	3509903C1	W/AIR FAN
14	J23A	18	TN	3509874C1	3509903C1	W/ELECT FAN
15	J23	18	TN	3509874C1	3509903C1	W/ELECT FAN
15	J24B	18	GY	3509874C1	3509903C1	W/EXHAUST BRAKE
15	LM17J	18	PK	3509874C1	3509903C1	
15	J23	18	TN	3509874C1	3509903C1	
15	J17-G	18	WH	3509874C1	3509903C1	
16	J19A	16	GY	3559035C1	3509903C1	W/V8
16	J24A	18	GY	3509874C1	3509903C1	W/EXHAUST BRAKE
16	J17S	18	PK	3509874C1	3509903C1	
16	J92RB	16	TN	3559035C1	3509903C1	
16	J19A	14	GY	3559035C1	3509903C1	
17	J17S	18	PK	3509874C1	3509903C1	
17	J17F	14	PK	3559035C1	3509903C1	
18	J97J	18	VT	3509874C1	3509903C1	W/V8
18	J97T	18	VT	3509874C1	3509903C1	W/I6
18	J17G	14	PK	3559035C1	3509903C1	
19	J97UA	18	VT	3509874C1	3509903C1	W/V8
19	J97U	18	VT	3509874C1	3509903C1	W/I6
19	J97BB	18	VT	3509874C1	3509903C1	
19	J97AJ	16	VT	3509874C1	3509903C1	
20	J77B	16	LT GN	3559035C1	3509903C1	
21	J97H	18	VT	3509874C1	3509903C1	
22	J26A	18	TN	3509874C1	3509903C1	
23	J26B	18	TN	3509874C1	3509903C1	
24	J19C	18	GY	3509874C1	3509903C1	

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	8JAN04	ADDED CIR J47.	G	59006T	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 28JUN00 · PART NO. AE08-52376 · SHEET 30

Figure 207 Connector Composite (4103)

12.34. CONNECTOR COMPOSITES (4105), (4111), (4120), (4301), P. 31

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CONNECTOR COMPOSITES
- MATING VIEW SHOWN

ENGINE HARNESS

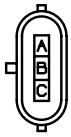
ECM POWER/STARTER (4105)

(LOCATED NEAR WIPER MOTOR BRACKET)

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
A	K97W	10	VT	1667737C1	1667735C1	W/I6
A	K97T	10	VT	1667737C1	1667735C1	W/V8
B	K97AA	10	VT	1667737C1	1667735C1	W/I6
B	K97X	10	VT	1667737C1	1667735C1	W/V8
C	K17C	10	PK	1667737C1	1667735C1	

CONNECTOR - 1667733C1
LOCK - 1667734C1

DASH HARNESS



CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
A	J97W	10	VT	2025425C1	1667735C1	W/I6
A	J97TA	10	VT	2025425C1	1667735C1	W/V8
B	J97AA	12	VT	2025424C1	1671603C1	W/I6
B	J97XA	10	VT	2025425C1	1667735C1	W/V8
C	J17E	10	PK	2025425C1	1667735C1	

CONNECTOR - 1667732C1
LOCK - 1667734C1

FAN AIR SOLENOID (4111)

(LOCATED NEAR WIPER MOTOR BRACKET)

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
A	K23B	18	TN	2033819C1	1652325C1	W/BODY BUILDER
A	K23A	16	TN	2033819C1	1652325C1	N/BODY BUILDER
B	K97B	18	VT	2033819C1	1652325C1	

CONNECTOR - 1671610C1
LOCK - 1671608C1

SNOW VALVE (4120)

(LOCATED ON AIR INTAKE FILTER)

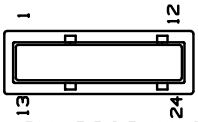
CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J23F	18	TN	1661875C1	1661872C1
B	J23H	18	TN	1661875C1	1661872C1
C	J23J	18	TN	1661875C1	1661872C1
D	J23K	18	TN	1661875C1	1661872C1
E	J23L	18	TN	1661875C1	1661872C1

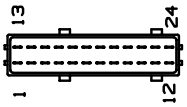
CONNECTOR - 3522251C1
LOCK - 3522253C1C1

CONNECTOR - 3558026C1
LOCK - 3558056C1
PLUG - 3532129C1

FORWARD CHASSIS/DASH (4301)

(LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME RAIL)





CONNECTOR - 3558022C1
SEAL - 3559047C1
LOCK - 3558056C1
PLUG - 3532129C1

FORWARD CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
1	M9	18	GY	3559036C1	3509903C1	W/AUX AIR
1	M94	18	GY	3559036C1	3509903C1	W/AIR ABS
1	M94AL	14	BL	3559037C1	3558022C1	W/WABCO AIR
2	M94A	18	GY	3559036C1	3509903C1	W/AIR ABS
2	M6	18	GY	3559036C1	3509903C1	W/AUX AIR
2	M94AA	14	GN	3559037C1	3558022C1	W/WABCO AIR
3	M40	18	GY	3559036C1	3509903C1	W/AUX AIR
3	M94B	18	GY	3559036C1	3509903C1	W/AIR ABS
3	M94AB	14	BN	3559037C1	3558022C1	W/WABCO AIR
4	M52B	14	YL	3559037C1	3509903C1	
5	M53	14	YL	3559037C1	3509903C1	
6	M94C	18	GY	3559036C1	3509903C1	W/AIR ABS
6	[M94L]	18	BK	3559036C1	3509903C1	W/HYD ABS
6	M94AC	18	BN	3559036C1	3558022C1	W/WABCO AIR
7	M94D	18	GY	3559036C1	3509903C1	W/AIR ABS
7	[M94M]	18	BN	3559036C1	3509903C1	W/HYD ABS
7	M94AD	18	BK	3559036C1	3558022C1	W/WABCO AIR
8	M9	20	GY	3559036C1	3532128C1	
9	M56B	16	OR	3559037C1	3509903C1	
10	M85E	16	GY	3559037C1	3509903C1	
11	M57B	16	OR	3559037C1	3509903C1	
12	M58B	14	BN	3559037C1	3509903C1	
13	M11-G	12	WH	3559037C1	3509903C1	
14	M94E	18	GY	3559036C1	3509903C1	W/AIR ABS
14	[M94N]	18	BK	3559036C1	3509903C1	W/HYD ABS
14	M94AE	18	BN	3559036C1	3558022C1	W/WABCO AIR
15	M94F	18	GY	3559036C1	3509903C1	W/AIR ABS
15	[M94P]	18	BN	3559036C1	3509903C1	W/HYD ABS
15	M94AF	18	BK	3559036C1	3558022C1	W/WABCO AIR
16	M94H	18	GY	3559036C1	3509903C1	
16	M94AH	14	BL	3559037C1	3558022C1	W/WABCO AIR
17	M94J	18	GY	3559036C1	3509903C1	
17	M94AJ	14	GN	3559037C1	3558022C1	W/WABCO AIR
18	M94K	18	GY	3559036C1	3509903C1	
18	M94AK	14	BN	3559037C1	3558022C1	W/WABCO AIR
19	M21C	18	TN	3559036C1	3509903C1	
20	M64	16	YL	3559037C1	3509903C1	W/FOG LIGHTS
21	M78H	16	LT GN	3559037C1	3509903C1	
22	M21D	18	TN	3559036C1	3509903C1	
23	M77	20	LT GN	3559036C1	3532128C1	
24	M8	20	GY	3559036C1	3532128C1	

FORWARD CHASSIS/DASH (4301)

DASH HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
1	J94AP	18	GY	3509874C1	3509903C1	W/AIR ABS
1	J9EA	18	GY	3509874C1	3509903C1	W/AUX AIR
2	J94AR	18	GY	3509874C1	3509903C1	W/AIR ABS
2	J6BA	18	GY	3509874C1	3509903C1	W/AUX AIR
3	J40FA	18	GY	3509874C1	3509903C1	W/AUX AIR
3	J94AS	18	GY	3509874C1	3509903C1	W/AIR ABS
4	J52A	14	YL	3559035C1	3509903C1	W/STD LIGHTS
4	J52B	14	YL	3559035C1	3509903C1	W/AUX LIGHTS
5	J53A	14	YL	3559035C1	3509903C1	W/STD LIGHTS
5	J53B	14	YL	3559035C1	3509903C1	W/AUX LIGHTS
6	J94HM	18	GY	3509874C1	3509903C1	W/HYD ABS
6	J94AM	18	GY	3509874C1	3509903C1	W/AIR ABS
7	J94HN	18	GY	3509874C1	3509903C1	W/HYD ABS
7	J94AN	18	GY	3509874C1	3509903C1	W/AIR ABS
8	J9Y	20	GY	3509874C1	3532128C1	
9	J56A	16	OR	3559035C1	3509903C1	
10	J85AA	16	GY	3559035C1	3509903C1	
11	J57A	16	OR	3559035C1	3509903C1	
12	J58AA	14	BN	3559035C1	3509903C1	
13	J11-G	12	WH	3559035C1	3509903C1	
14	J94AT	18	GY	3509874C1	3509903C1	W/AIR ABS
14	J94HT	18	GY	3509874C1	3509903C1	W/HYD ABS
15	J94AU	18	GY	3509874C1	3509903C1	W/AIR ABS
15	J94HU	18	GY	3509874C1	3509903C1	W/HYD ABS
16	J94AV	18	GY	3509874C1	3509903C1	
17	J94AW	18	GY	3509874C1	3509903C1	
18	J94AX	18	GY	3509874C1	3509903C1	
19	J21E	18	TN	3509874C1	3509903C1	
20	J64A	12	BN	3559035C1	3509903C1	W/FOG LIGHTS
21	J78K	16	LT GN	3559035C1	3509903C1	
22	J21F	18	TN	3509874C1	3509903C1	
23	J77C	20	LT GN	3509874C1	3532128C1	
24	J8E	18	LT GN	3509874C1	3509903C1	

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JKP	28FEB05	CKT M64LO WAS IN CAV 20 CONN (4301).	E	59184T	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 21JUN00 PART NO. AE08-52376 SHEET 31

Figure 208 Connector Composites (4105), (4111), (4120), (4301)

12.35. CONNECTOR COMPOSITES (4305), (4410), (4410B), (4410C), (4410D), (4410E), (4410H), (4410M), (4411), P. 32

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

AUX FWD/DASH (4305)

(LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME RAIL)

DASH HARNESS

CONNECTOR - 3571887C1
LOCK - 2039342C1
PLUG - 587579C1

CAV	CIR	GAUGE	COLOR	DASH TERMINAL	CHASSIS TERMINAL	SEAL
A	J64H1	14	YL	3535486C1	2039912C1	0589391C1
A	J104CC	18	DK BL	2039343C1	2039911C1	1652325C1
B	J41	18	GY	2039343C1	2039911C1	1652325C1
C	J41A	18	GY	2039343C1	2039911C1	1652325C1
D	J19C	18	GY	2039343C1	2039911C1	1652325C1
E	J19A	16	GY	2039343C1	2039911C1	1652325C1
F	J64LO	14	YL	3535486C1	2039912C1	0589391C1
F	J104CB	18	DK BL	2039343C1	2039911C1	1652325C1

FWD CHASSIS HARNESS

CONNECTOR - 3571886C1
LOCK - 2039342C1
PLUG - 587579C1

REMOTE SOLENOID POWER MODULE (4410)

(LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME RAIL)

DASH HARNESS

CONNECTOR - 2005241C1
LOCK - 2005243C1
PLUG - 453133C1

CAV	CIR	GAUGE	COLOR	TERM
1	J59F	16	GY	1680206C1
2	J11-GQR	14	WH	2034788C1
3	J5N(+)	20	YL	3518961C1
4	J5N(-)	20	GN	3518961C1
5	PLUG	-	-	-
6	J14W	16	RD	1680206C1

CENTER CHASSIS HARNESS

CONNECTOR - 2005240C1
LOCK - 2005242C1
PLUG - 453133C1

CAV	CIR	GAUGE	COLOR	TERM
1	N59	14	GY	2034787C1
2	N10-GM	14	WH	2034787C1
3	N5(+)	20	YL	1651969C1
4	N5(-)	20	GN	1651969C1
5	PLUG	-	-	-
6	N14	16	RD	1680205C1

SOLENOID MODULE (4410B)

(LOCATED UNDER CAB BY LEFT FRAME RAIL)

CENTER CHASSIS HARNESS

CONNECTOR - 2005240C1
LOCK - 2005242C1
PLUG - 453133C1

CAV	CIR	GAUGE	COLOR	TERM
1	N59	14	GY	2034787C1
2	N10-GM	14	WH	2034787C1
3	N5(+)	20	YL	1651969C1
4	N5(-)	20	GN	1651969C1
5	PLUG	-	-	-
6	N14	16	RD	1680205C1

SOLENOID MODULE (4410C)

(LOCATED UNDER CAB BY LEFT FRAME RAIL)

CENTER CHASSIS HARNESS

CONNECTOR - 2005240C1
LOCK - 2005242C1
PLUG - 453133C1

CAV	CIR	GAUGE	COLOR	TERM
1	N59A	14	GY	2034787C1
2	N10-GN	14	WH	2034787C1
3	N5(+)	20	YL	1651969C1
4	N5(-)	20	GN	1651969C1
5	PLUG	-	-	-
6	N14A	16	RD	1680205C1

REMOTE POWER MODULE (4410D)

(LOCATED BACK OF CAB)

CENTER CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM
1	N59C	14	GY	2034787C1
2	N10-GR	14	WH	2034787C1
3	N5(+)	20	YL	1651969C1
4	N5(-)	20	GN	1651969C1
5	PLUG	-	-	-
6	N14C	16	RD	1680205C1

CONNECTOR - 2005240C1
LOCK - 2005242C1
PLUG - 453133C1

REMOTE POWER MODULE (4410E)

(LOCATED BACK OF CAB)

CENTER CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM
1	N59B	14	GY	2034787C1
2	N10-GP	14	WH	2034787C1
3	N5(+)	20	YL	1651969C1
4	N5(-)	20	GN	1651969C1
5	PLUG	-	-	-
6	N14B	16	RD	1680205C1

CONNECTOR - 2005240C1
LOCK - 2005242C1
PLUG - 453133C1

REMOTE POWER MODULE CENTER/REAR (4410H)

(LOCATED BY LEFT FRAME RAIL NEAR REAR AXLES)

REAR CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM
1	R59	14	GY	2034788C1
2	R10-GPM	14	WH	2034788C1
3	R1(+)	20	YL	1651968C1
4	R1(-)	20	GN	1651968C1
5	PLUG	-	-	-
6	R14	16	RD	1680206C1

CONNECTOR - 2005241C1
LOCK - 2005243C1
PLUG - 453133C1

CENTER CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM
1	N59B	14	GY	2034787C1
2	N10-GP	14	WH	2034787C1
3	N5(+)	20	YL	1651969C1
4	N5(-)	20	GN	1651969C1
5	PLUG	-	-	-
6	N14B	16	RD	1680205C1

CONNECTOR - 2005240C1
LOCK - 2005242C1
PLUG - 453133C1

REMOTE POWER MODULE (4410M)

(LOCATED NEAR END OF FRAME)

REAR CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM
1	R59	14	GY	2034787C1
2	R10-GPM	14	WH	2034787C1
3	R1(+)	20	YL	1651969C1
4	R1(-)	20	GN	1651969C1
5	PLUG	-	-	-
6	R14	16	RD	1680205C1

CONNECTOR - 2005240C1
LOCK - 2005242C1
PLUG - 453133C1

POWER MODULE FEED CENTER/REAR (4411)

(LOCATED BY LEFT FRAME RAIL NEAR REAR AXLES)

CENTER CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM
A	N14C	4	RD	3517757C1

CONNECTOR - 3517760C1

REAR CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM
A	R14	4	RD	3517758C1

CONNECTOR - 3517759C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA	10JUL03	LA59/MULTIPLE CHANGES	E	570975

DRAWN U00DAG9 — NAME 42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
RELEASE NO. P52778H — DATE 28JUN00 — PART NO. AE08-52376 — SHEET 32

Figure 209 Connector Composites (4305), (4410), (4410B), (4410C), (4410D), (4410E), (4410H), (4410M), (4411)

12.36. CONNECTOR COMPOSITES (4411A), (4411B), (4412), (4415), (4450), (4450A), (4460A), (4460), P. 33

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

POWER MODULE FEED CENTER/REAR (4411A)

(LOCATED BY LEFT FRAME RAIL NEAR REAR AXLES)

CENTER CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM
A	N14C	4	RD	3517757C1

CONNECTOR - 3517760C1

REAR CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM
A	R14	4	RD	3517758C1

CONNECTOR - 3517759C1

REMOTE POWER MODULE POWER (4411B)

(LOCATED NEAR END OF FRAME)

REAR CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM
A	R14	4	RD	3517757C1

CONNECTOR - 3517760C1

REMOTE POWER MODULE POWER (4412)

(LOCATED BACK OF CAB)

CENTER CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM
A	N14A	4	RD	3517757C1

CONNECTOR - 3517760C1

FORWARD REMOTE POWER MODULE (4415)

(LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME RAIL)

FORWARD CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM
1	PLUG	-	-	-
2	M11-GPN	16	WH	1680205C1
3	M5P(+)	20	YL	1651969C1
4	M5P(-)	20	GN	1651969C1
5	M5P(S)	20	NONE	1651969C1
6	M14X	16	RD	1680205C1

CONNECTOR - 2005240C1
LOCK - 2005242C1
PLUG - 453133C1

DASH HARNESS

CAV	CIR	GAUGE	COLOR	TERM
1	PLUG	-	-	-
2	J11-GPN	16	WH	1680206C1
3	J5P(+)	20	YL	1651968C1
4	J5P(-)	20	GN	1651968C1
5	J5P(S)	20	NONE	1651968C1
6	J14X	16	RD	1680206C1

CONNECTOR - 2005241C1
LOCK - 2005243C1
PLUG - 453133C1

BODY BUILDER LIGHTING (4450)

(LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME RAIL)

DASH HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J68BB	14	BN	3535486C1	0589391C1
B	J56BB	16	OR	2039343C1	1652325C1
C	J57BB	16	OR	2039343C1	1652325C1
D	J58BB	14	BN	3535486C1	0589391C1
E	J71BB	16	OR	2039343C1	1652325C1
F	J12BB	14	LT BL	3535486C1	0589391C1
G	J11-GBB	12	WH	2039344C1	0589390C1

CONNECTOR - 2039311C1
LOCK - 2039342C1
PLUG - 587579C1

CENTER CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N68BB	14	BN	2033912C1	0589391C1
B	N56BB	16	OR	2033911C1	1652325C1
C	N57BB	16	OR	2033911C1	1652325C1
D	N58BB	14	BN	2033912C1	0589391C1
E	N71BB	16	OR	2033911C1	1652325C1
F	N12BB	14	LT BL	2033912C1	0589391C1
G	N11-GBB	12	WH	1687848C1	0589390C1

CONNECTOR - 2039312C1
LOCK - 2039342C1
PLUG - 587579C1

BODY BUILDER LIGHTING (4450A)

(LOCATED BACK OF CAB NEAR LEFT FRAME RAIL)

CENTER CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N68BB	14	BN	3535486C1	0589391C1
B	N56BB	16	OR	2039343C1	1652325C1
C	N57BB	16	OR	2039343C1	1652325C1
D	N58BB	14	BN	3535486C1	0589391C1
E	N71BB	16	OR	2039343C1	1652325C1
F	N12BB	14	LT BL	3535486C1	0589391C1
G	N11-GBB	12	WH	2039344C1	0589390C1

CONNECTOR - 2039311C1
LOCK - 2039342C1
PLUG - 587579C1

BODY BUILDER TURN/STOP (4460A)

(LOCATED BACK OF CAB NEAR LEFT FRAME RAIL)

CENTER CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N56BC	16	OR	2033819C1	1652325C1
B	N57BC	16	OR	2033819C1	1652325C1
C	N70BB	14	OR	2033816C1	0589391C1

CONNECTOR - 1686834C1
LOCK - 1664408C1
PLUG - 0587579C1

BODY BUILDER TURN/STOP (4460)

(LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME RAIL)

DASH HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J56BC	16	OR	2033819C1	1652325C1
B	J57BC	16	OR	2033819C1	1652325C1
C	J70BB	14	OR	2033816C1	0589391C1

CONNECTOR - 1686834C1
LOCK - 1664408C1
PLUG - 0587579C1

CENTER CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N56BC	16	OR	2033911C1	1652325C1
B	N57BC	16	OR	2033911C1	1652325C1
C	N70BB	14	OR	2033912C1	0589391C1

CONNECTOR - 3553961C1
LOCK - 3554019C1
PLUG - 587579C1

CHK	DATE	CHANGE	REV	REFERENCE
PEC	15JAN02	ADDED 4411A-4415	C	55043Z

DRAWN U00DAG9 — NAME 42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
RELEASE NO. P52778H — DATE 31MAY00 — PART NO. AE08-52376 — SHEET 33

Figure 210 Connector Composites (4411A), (4411B), (4412), (4415), (4450), (4450A), (4460A), (4460)

12.37. CONNECTOR COMPOSITE (4705), P. 34

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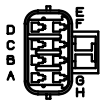
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

TRANSMISSION/DASH (4705)
(LOCATED IN ENGINE COMPARTMENT BY WIPER MOTOR BRACKET)

DASH HARNESS



CONNECTOR - 3525872C1
LOCK - 3525873C1
PLUG - 2025431C1

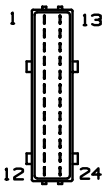
W/MANUAL XMSN

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J71AA	18	OR	1661875C1	1661872C1
B	J71	18	OR	1661875C1	1661872C1
C	J93	18	TN	1661875C1	1661872C1
D	PLUG	-	-	-	-
E	J31	18	TN	1661875C1	1661872C1
F	J17J	18	PK	1661875C1	1661872C1
G	J9X	18	GY	1661875C1	1661872C1
H	PLUG	-	-	-	-

W/ALLISON LCT XMSN

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	PLUG	-	-	-	-
B	J92#128	18	TN	1661875C1	1661872C1
C	J92#110	18	TN	1661875C1	1661872C1
D	J71	18	OR	1661875C1	1661872C1
E	PLUG	-	-	-	-
F	PLUG	-	-	-	-
G	J13M	18	PK	1661875C1	1661872C1
H	J71AA	18	OR	1661875C1	1661872C1

W/EATON AUTOSHIFT XMSN



CONNECTOR - 3558022C1
SEAL - 3559074C1
LOCK - 3558056C1
PLUG - 3532129C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	PLUG	-	-	-	-
2	PLUG	-	-	-	-
3	J92Z	16	TN	3559037C1	3509903C1
4	J92AE	16	TN	3559037C1	3509903C1
5	J92AD	16	TN	3559037C1	3509903C1
6	J92AC	16	TN	3559037C1	3509903C1
7	J31F	18	TN	3559036C1	3532128C1
8	J31GF	18	TN	3559036C2	3509903C1
9	J5AX(+)	20	YL	3509874C1	3532128C1
10	J5AX(-)	20	GN	3509874C2	3532128C2
11	J5AX(S)	20	NONE	3509874C3	3532128C3
12	J11-GAM	12	WH	3559037C1	3509903C1
13	J14AW	12	RD	3559037C1	3509903C1
14	PLUG	-	-	-	-
15	PLUG	-	-	-	-
16	PLUG	-	-	-	-
17	J71	18	LT BL	3559036C1	3532128C1
18	J71A	18	PK	3559036C1	3532128C1
19	J17C	18	PK	3559036C1	3532128C1
20	J92AB	16	TN	3559037C1	3509903C1
21	J92AA	16	TN	3559037C1	3509903C1
22	PLUG	-	-	-	-
23	PLUG	-	-	-	-
24	PLUG	-	-	-	-

XMSN HARNESS

CONNECTOR - 3525874C1
LOCK - 3525875C1
PLUG - 2025431C1

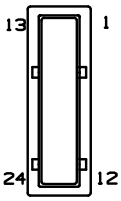
W/MANUAL XMSN

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L71C	16	OR	1667742C1	1661872C1
B	L71B	16	OR	1667742C1	1661872C1
C	L93	18	TN	1667742C1	1661872C1
D	PLUG	-	-	-	-
E	L31B	18	TN	1667742C1	1661872C1
F	L17D	18	PK	1667742C1	1661872C1
G	L31GC	18	WH	1667742C1	1661872C1
H	PLUG	-	-	-	-

W/ALLISON LCT XMSN

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	PLUG	-	-	-	-
B	L92B128	18	TN	1667742C1	1661872C1
C	L92#110	18	TN	1667742C1	1661872C1
D	L71	16	OR	1667742C1	1661872C1
E	PLUG	-	-	-	-
F	PLUG	-	-	-	-
G	L13M4	18	PK	1667742C1	1661872C1
H	L71A	16	OR	1667742C1	1661872C1

W/EATON AUTOSHIFT XMSN



CONNECTOR - 3558026C1
LOCK - 3558022C1
PLUG - 3532129C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	PLUG	-	-	-	-
2	PLUG	-	-	-	-
3	L92Z	16	TN	3559035C1	3509903C1
4	L92AE	16	TN	3559035C1	3509903C1
5	L92AD	16	TN	3559035C1	3509903C1
6	L92AC	16	TN	3559035C1	3509903C1
7	L31F	18	TN	3509874C1	3509903C1
8	L31GF	18	TN	3509874C1	3509903C1
9	L92DS(+)	20	YL	3509874C1	3532128C1
10	L92DT(-)	20	GN	3509874C2	3532128C2
11	L92DV(S)	20	NONE	3509874C3	3532128C3
12	L11-GAM	12	WH	3559035C1	3509903C1
13	L14AW	12	RD	3559035C1	3509903C1
14	PLUG	-	-	-	-
15	PLUG	-	-	-	-
16	PLUG	-	-	-	-
17	L71	18	OR	3559035C1	3509903C1
18	L71A	18	OR	3559035C1	3509903C1
19	L17C	18	PK	3509874C1	3509903C1
20	L92AB	16	TN	3559035C1	3509903C1
21	L92AA	16	TN	3559035C1	3509903C1
22	PLUG	-	-	-	-
23	PLUG	-	-	-	-
24	PLUG	-	-	-	-

DASH HARNESS — W/ALLISON WTEC XMSN

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
1	J92#170	18	TN	3559036C1	3509903C1	
2	J92#171	18	TN	3559036C1	3509903C1	
3	J92#172	18	TN	3559036C1	3509903C1	
4	J92#173	18	TN	3559036C1	3509903C1	
5	J92#174	18	TN	3559036C1	3509903C1	
6	J92A114	18	TN	3559036C1	3509903C1	W/AUTO NEUTRAL
7	J92#175	18	TN	3559036C1	3509903C1	
8	J92#124	18	TN	3559036C1	3509903C1	
9	J92#180	18	TN	3559036C1	3509903C1	
10	J17B	18	PK	3559036C1	3509903C1	W/AUTO NEUTRAL
11	J92DL	18	TN	3559036C1	3509903C1	W/AUTO NEUTRAL
12	J92#146	18	TN	3559036C1	3509903C1	
13	J71#113	18	OR	3559036C1	3509903C1	
14	J92C123	18	TN	3559036C1	3509903C1	
15	J3+142	18	DK BL	3559036C1	3509903C1	
16	J3-151	18	GY	3559036C1	3509903C1	
17	J92#125	18	TN	3559036C1	3509903C2	
18	J92D136	18	TN	3559036C1	3509903C1	
19	J92D143	18	TN	3559036C1	3509903C1	
20	J92#163	16	TN	3559037C1	3509903C1	
21	J92D161	16	TN	3559037C1	3509903C1	
22	J92C124	18	TN	3559036C1	3509903C2	
23	J92#135	18	TN	3559036C1	3509903C2	
24	J92#164	18	TN	3559036C1	3509903C2	

XMSN HARNESS — W/ALLISON WTEC XMSN

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
1	L92#170	18	TN	3509874C1	3532128C1	
2	L92#171	18	TN	3509874C1	3532128C1	
3	L92#172	18	TN	3509874C1	3532128C1	
4	L92#173	18	TN	3509874C1	3532128C1	
5	L92#174	18	TN	3509874C1	3532128C1	
6	L92A114	18	TN	3509874C1	3532128C1	
7	L92#175	18	TN	3509874C1	3532128C1	
8	L92#124	18	TN	3509874C1	3532128C1	
9	L92#180	18	TN	3509874C1	3532128C1	
10	L17B	18	PK	3509874C1	3532128C1	
11	L92DL	18	TN	3509874C1	3532128C1	
12	L92#146	18	TN	3509874C1	3532128C1	
13	L71#113	18	OR	3509874C1	3532128C1	
14	L92A123	18	TN	3509874C1	3532128C1	W/AUTO NEUTRAL
14	L93C123	18	TN	3509874C1	3532128C1	N/AUTO NEUTRAL
15	L3+142	18	WH	3509874C1	3532128C1	
16	L3-151	18	DK BL	3509874C1	3532128C1	
17	L92#125	18	TN	3509874C1	3532128C1	
18	L92D136	18	TN	3509874C1	3532128C1	
19	L92D143	18	TN	3509874C1	3532128C1	
20	L92#163	16	TN	3509874C1	3532128C1	
21	L92D161	16	TN	3509874C1	3532128C1	
22	L92C124	18	TN	3509874C1	3532128C1	
23	L92#135	18	TN	3509874C1	3532128C1	
24	L92#164	18	TN	3509874C1	3532128C1	

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	15DEC03	ADDED J5AX, L92DS,	D	58689K	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		L92DT & L92DV.			RELEASE NO. P52778H	DATE 31MAY00 · PART NO. AE08-52376 · SHEET 34

Figure 211 Connector Composite (4705)

12.38. CONNECTOR COMPOSITES (4810), (4712F), (4820), (4713F), (4830), (4840), (4850), P. 35

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

BACKUP LIGHT TURN SIGNAL SPLICE (4810)

(LOCATED NEAR POWER DISTRIBUTION CENTER)

CONNECTOR - 3543733C1
LOCK - 3543732C1
PLUG - 3535425C1
BUS BAR - 3543736C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
	RIGHT	TURN	BUS	BAR		
A	J57AA	16	OR	3535303C1	3535424C1	
B	J57A	16	OR	3535303C1	3535424C1	
C	J57H	16	OR	3535303C1	3535424C1	
D	J57BC	16	OR	3535303C1	3535424C1	
	LEFT	TURN	BUS	BAR		
E	J56AA	16	OR	3535303C1	3535424C1	
F	J56A	16	OR	3535303C1	3535424C1	
G	J56H	16	OR	3535303C1	3535424C1	
H	J56BC	16	OR	3535303C1	3535424C1	
	BACK	UP	LIGHT	BUS	BAR	
J	J71A	18	OR	3535303C1	3535424C1	
K	J71BB	18	OR	3535303C1	3535424C1	
L	J71AA	18	OR	3535303C1	3535424C1	W/MANUAL XMSN
L	J71AA	18	OR	3535303C1	3535424C1	W/ALLISON LCT
L	J71B	18	OR	3535303C1	3535424C1	W/ALLISON WTEC
L	J71A	18	PK	3535303C1	3535424C1	W/EATON AUTOSHIFT
M	J71BK	18	LTGN	3535303C1	3535424C1	W/BACKUP CAMERA

J1708 & 5 VOLT REF SPLICE (4820)

(LOCATED NEAR WIPER MOTOR BRACKET)

CONNECTOR - 3543733C1
LOCK - 3543732C1
PLUG - 3535425C1
BUS BAR - 3543736C1

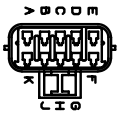
CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
	5 VOLT	REF	BUS	BAR		
A	J68A	18	GY	3535303C1	3535424C1	
B	J6A	18	GY	3535303C1	3535424C1	
C	J6E	18	LT GN	3535303C1	3535424C1	
D	PLUG	-	-	-	-	-
	DATA	LINK	J1708	POSITIVE	BUS BAR	
E	J3A(+)	18	DK BL	3535303C1	3535424C1	
F	J3B(+)	18	DK BL	3535303C1	3535424C1	
G	J3D(+)	18	DK BL	3535303C1	3535424C1	BNDX AIR ABS
G	J94AC(+)	18	DK BL	3535303C1	3535424C1	WABCO AIR ABS
G	J3C(+)	18	DK BL	3535303C1	3535424C1	W/HYD ABS
H	J3+142	18	DK BL	3535303C1	3535424C1	
	DATA	LINK	J1708	NEGATIVE	BUS BAR	
J	J3A(-)	18	GY	3535303C1	3535424C1	
K	J3B(-)	18	GY	3535303C1	3535424C1	
L	J3D(-)	18	GY	3535303C1	3535424C1	BNDX AIR ABS
L	J94AC(-)	18	GY	3535303C1	3535424C1	WABCO AIR ABS
L	J3C(-)	18	GY	3535303C1	3535424C1	W/HYD ABS
M	J3-151	18	GY	3535303C1	3535424C1	

TRANS/DASH (4712F)

CONNECTOR - 3525874C1
LOCK - 3525875C1
PLUG - 2025431C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K71C	16	OR	1667742C1	1661872C1
A #	K71E	16	OR	1667742C1	1661872C1
B	K71B	16	OR	1667742C1	1661872C1
B #	K71D	16	OR	1667742C1	1661872C1
B &	K92#12B	18	TN	1667742C1	3568570C1
B &	K92B12B	18	TN	1667742C1	3568570C1
C	K93	18	TN	1667742C1	1661872C1
C &	K92#110	18	TN	1667742C1	3568570C1
D	K13A	16	PK	1667742C1	1661872C1
D &	K71	16	OR	1667742C1	1661872C1
E #	K31B	18	TN	1667742C1	1661872C1
E #	K31E	16	TN	1667742C1	1661872C1
F #	K17D	18	PK	1667742C1	3568570C1
F #	K17E	18	PK	1667742C1	3568570C1
G	K93-G	18	TN	1667742C1	1661872C1
G #	K31-GC	18	WH	1667742C1	1661872C1
G #	K31-GE	16	TN	1667742C1	1661872C1
G &	K13M4	18	PK	1667742C1	1661872C1
H #	K11-G	16	WH	1667742C1	1661872C1
H &	K71A	16	OR	1667742C1	1661872C1

DASH/TRANS (4713F)



CONNECTOR - 3538635C1
LOCK - 3538636C1
PLUG - 2025431C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K13AA	16	PK	1661875C1	1661872C1
B	K11-GB	16	WH	1661875C1	1661872C1
C	K11-GC	16	WH	1661875C1	1661872C1
D	K14AA	16	RD	1661875C1	1661872C1
E	K3AA	16	DKBL	1661875C1	1661872C1
F	K3AB	16	GY	1661875C1	1661872C1
G	K71D	16	OR	1661875C1	1661872C1
H	K71E	16	OR	1661875C1	1661872C1
J	K31D	16	TN	1661875C1	1661872C1
K	K31-GD	16	TN	1661875C1	1661872C1

ELECTRONIC REF GROUND SPLICE (4830)

(LOCATED NEAR POWER DISTRIBUTION CENTER)

CONNECTOR - 3543730C1
LOCK - 3543732C1
PLUG - 3535425C1
BUS BAR - 3543735C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J9G	18	GY	3535303C1	3535424C1
B	J9A	18	GY	3535303C1	3535424C1
C	PLUG	-	-	-	-
D	J9EA	18	GY	3535303C1	3535424C1
E	PLUG	-	-	-	-
F	PLUG	-	-	-	-
G	J9J	20	GY	3535302C1	3535424C1
H	J9K	20	GY	3535302C1	3535424C1
J	J9Y	20	GY	3535302C1	3535424C1
K	PLUG	-	-	-	-
L	J9X	18	GY	3535303C1	3535424C1
M	J87H	18	GY	3535303C1	3535424C1

RELAY COIL IGNITION SPLICE (4840)

(LOCATED INSIDE POWER DISTRIBUTION CENTER)

CAV	CIR	GAUGE	COLOR	TERM
A	J13X	18	PK	1661208C1
B	J94HE	18	GY	1661208C1
C	J13AS	18	PK	1661208C1
E	J13AV	18	PK	1661208C1

CONNECTOR - 2006789C1
LOCK - 2006792C1
COVER - 2006790C1
BUS BAR - 2006791C1

COMBINATION TURN STOP (4850)

(LOCATED NEAR POWER DISTRIBUTION CENTER)

CONNECTOR - 3543733C1
LOCK - 3543732C1
PLUG - 3535425C1
BUS BAR - 3543736C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
	RIGHT	TURN	STOP	BUS	BAR
A	J57J	16	OR	3535303C1	3535424C1
B	J57B	16	OR	3535303C1	3535424C1
C	J57K	16	OR	3535303C1	3535424C1
D	J57BB	16	OR	3535303C1	3535424C1
	LEFT	TURN	STOP	BUS	BAR
E	J56J	16	OR	3535303C1	3535424C1
F	J56B	16	OR	3535303C1	3535424C1
G	J56K	16	OR	3535303C1	3535424C1
H	J56BB	16	OR	3535303C1	3535424C1
	UNUSED	BUS	BAR		
J	PLUG	-	-	-	-
K	PLUG	-	-	-	-
L	PLUG	-	-	-	-
M	PLUG	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JKP	23SEP04	ADDED J71BK TO CAV M	F	59169P	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		OF 4810.			RELEASE NO. P52778H	DATE 31MAY00 · PART NO. AE08-52376 · SHEET 35

Figure 212 Connector Composites (4810), (4712F), (4820), (4713F), (4830), (4840), (4850)

12.39. CONNECTOR COMPOSITES (4900), (4906), (4910), (4950), (4951), P. 36

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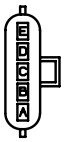
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

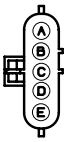
CONNECTOR COMPOSITES - MATING VIEW SHOWN

WABCO AIR ABS POWER CONN (4900)

(LOCATED NEAR CHASSIS/DASH CONN)



CONNECTOR - 1661375C2
LOCK - 1661376C1
SEAL - 0589391C1 (14 AWG)
- 0589390C1 (12 AWG)
- 3517771C1 (18 AWG)
TERM - 2033818C1 (14 & 12 AWG)
- 2033819C1 (18 AWG)

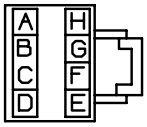


CONNECTOR - 1677851C1
LOCK - 1677914C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL	PLUG
A	J94AA	14	GY	2033816C1	0589391C1	N/A
B	J94AB	14	GY	2033816C1	0589391C1	N/A
C	J94-GA	12	WH	2033816C1	0589390C1	N/A
D	J94-AW	18	GY	2033819C1	3517771C1	N/A
E	PLUG	-	-	-	-	0587579C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL	PLUG
A	N94AA	14	PK	2033912C1	0589391C1	-
A	N42	18	GY	2033819C1	1652375C1	-
B	N94AB	14	PK	2033912C1	0589391C1	-
B	N42-G	18	WH	2033819C1	1652375C1	-
C	N94-GA	12	WH	1687848C1	0589390C1	-
D	PLUG	-	-	-	-	0587579C1
E	PLUG	-	-	-	-	0587579C1

WHEELCHAIR LIFT INTERLOCK (4906)

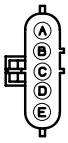


CONNECTOR - 2005835C1
BODY LOCK - 2006503C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A	J44W	18	WH	1661208C1
B	J101	18	TN	1661208C1
C	---	---	---	---
D	J103	18	TN	1661208C1
E	J11-GW	16	WH	1661209C1
F	---	---	---	---
G	J89AR	18	PK	1661208C1
H	J89CE	18	VT	1661208C1

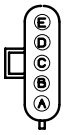
HYD ABS (4910)

(LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME RAIL)



CENTER CHASSIS HARNESS

CONNECTOR - 1677851C1
LOCK - 1677914C1



DASH HARNESS

CONNECTOR - 1661375C2
LOCK - 1661376C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N94P	12	GY	1687848C1	0589390C1
B	N94N	12	GY	1687848C1	0589390C1
C	N94-G	14	GY	2033912C1	0589391C1
D	N94-GA	12	GY	1687848C1	0589390C1
E	N94-GB	10	GY	1687848C1	0589390C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J94H	12	GY	2033816C1	0589390C1
B	J94HS	12	GY	2033816C1	0589390C1
C	J94-GHA	14	WH	2033816C1	0589391C1
D	J94-GHB	12	WH	2033816C1	0589390C1
E	J94-GHC	12	WH	2033816C1	0589390C1

BENDIX AUTO TRACTION CONTROL (4950)

(LOCATED NEAR REAR AXLES)

CONNECTOR - 3518182C1
LOCK - 3518184C1

CAV	CIR	GAUGE	COLOR	TERM
1	R94BD	16	BN	3518963C1
2	R94BE	16	YL	3518963C1

WABCO AUTO TRACTION CONTROL (4951)

(LOCATED NEAR REAR AXLES)

PURCHASED ASSEMBLY P/N 3519669C1

CAV	CIR	GAUGE	COLOR	TERM
1	R94AWX	18	GY	P/O ASSY
2	R94AWZ	18	GY	P/O ASSY

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	22DEC05	ADDED 4906 CONNECTOR	F	59581V	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 31MAY00 · PART NO. AE08-52376 · SHEET 36

Figure 213 Connector Composites (4900), (4906), (4910), (4950), (4951)

12.40. CONNECTOR COMPOSITES (4953), (4954), P. 36A

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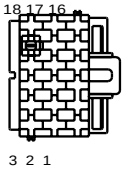
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

ABS CONN X1 (4953)

(LOCATED IN IP HARNESS)



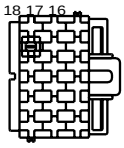
CONNECTOR - 3596926C1

CONNECTOR LOCK - 3562309C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A94-GA	12	GY	3597157C1
2	-	-	-	-
3	A94AYA	16	GY	3598073C1
4	-	-	-	-
5	A94ATR	16	GY	3598073C1
6	-	-	-	-
7	A5AJ(-)	18	GN	3598072C1
8	A5AJ(+)	18	YL	3598072C1
9	-	-	-	-
10	A94AK	16	GY	3598073C1
11	A94AL	16	GY	3598073C1
12	-	-	-	-
13	A3D(-)	18	GY	3598072C1
14	A3D(+)	18	DK BL	3598072C1
15	-	-	-	-
16	A94AY	12	GY	3597157C1
17	-	-	-	-
18	A94H	18	GY	3548969C1

ABS CONN X2 (4954)

(LOCATED IN IP HARNESS)



CONNECTOR - 3596929C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A94AS	18	GY	3598072C1
2	A94AP	18	GY	3598072C1
3	A94AR	18	GY	3598072C1
4	A94AX	18	GY	3598072C1
5	A94AM	18	GY	3598072C1
6	A94AW	18	GY	3598072C1
7	A94AV	18	GY	3598072C1
8	A94AN	18	GY	3598072C1
9	A94AH	18	GY	3598072C1
10	A94AJ	18	GY	3598072C1
11	A94AT	16	GY	3598073C1
12	A94AD	18	GY	3598072C1
13	A94AF	18	GY	3598072C1
14	A94AU	16	GY	3598073C1
15	A94AA	16	GY	3598073C1
16	A94AE	18	GY	3598072C1
17	A94AC	18	GY	3598072C1
18	A94AB	16	GY	3598073C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
					U00L788	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		
					RELEASE NO. 59756C	DATE 29SEP05	PART NO. AE08-52376	SHEET 36A

Figure 214 Connector Composites (4953), (4954)

12.41. CONNECTOR COMPOSITES (6007), (6011), P. 37

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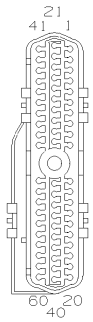
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

CEC (6007)
(LOCATED ON ENGINE ECM)



CONNECTOR - 3541979C1
LOCK - 2041418C1
PLUG - 2041421C2
COVER - 3541958C91

CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM	NOTES
1	K97V	14	VT	2041420C1	31	K46A	18	GY	2041419C1	
2	K97P	14	VT	2041420C1	32	K46B	18	GY	2041419C1	
3	K97C	18	VT	2041419C1	33	PLUG	-	-	-	
4	K97HE	18	VT	2041419C1	34	PLUG	-	-	-	
5	K97DD	18	VT	2041419C1	35	PLUG	-	-	-	
6	K97HM	18	VT	2041419C1	36	K97CC	18	VT	2041419C1	
7	K97WA	18	VT	2041419C1	37	K97CB	18	VT	2041419C1	
8	K99T	18	VT	2041419C1	38	PLUG	-	-	-	
9	K97XC	18	VT	2041419C1	39	K47	18	GY	2041419C1	
10	K34A	18	TN	2041419C1	40	K47A	18	GY	2041419C1	
11	K97D	18	VT	2041419C1	41	K97L	14	PL	2041420C1	
12	K97E	16	VT	2041420C1	42	K97Y	14	VT	2041420C1	
13	K97EA	18	VT	2041419C1	43	PLUG	-	-	-	
14	PLUG	-	-	-	44	PLUG	-	-	-	
15	PLUG	-	-	-	45	PLUG	-	-	-	
16	K3A(+)	18	DK BL	2041419C1	46	K17M	18	WH	2041419C1	
17	K3B(-)	18	GY	2041419C1	46	K17L	18	PK	2041419C1	
18	PLUG	-	-	-	47	K24A	18	GY	2041419C1	N/OVERCRANK PROT
19	K5B(+)	18	YL	2041419C1	48	PLUG	-	-	-	W/OVERCRANK PROT
20	K5B(-)	18	GN	2041419C1	49	K97HG	18	VT	2041419C1	
21	K97F	14	PL	2041420C1	50	PLUG	-	-	-	
22	K97Z	14	PL	2041420C1	51	PLUG	-	-	-	
23	K97N	14	VT	2041420C1	52	PLUG	-	-	-	
24	K97M	16	VT	2041420C1	53	PLUG	-	-	-	
25	K97J	16	VT	2041420C1	54	K97WL	18	VT	2041419C1	
26	K17B	18	VT	2041419C1	55	K97EW	18	VT	2041419C1	
27	K99S	18	VT	2041419C1	56	PLUG	-	-	-	
28	PLUG	-	-	-	57	PLUG	-	-	-	
29	K97K	18	VT	2041419C1	58	K47B	18	GY	2041419C1	
30	K99F	18	VT	2041419C1	59	K97AR	18	VT	2041419C1	
					60	PLUG	-	-	-	

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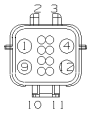
ENGINE IDM2 (6011)
(LOCATED NEAR ENGINE IDM)



CAV	CIR	GAUGE	COLOR	TERM
1	K97-GA	12	WH	3549415C1
2	K3C(+)	18	DK BL	3549418C1
3	K3C(-)	18	GY	3549418C1
4	K97-GB	12	WH	3549415C1
5	K97S	16	VT	3549417C1
6	K97LC	16	VT	3549417C1
7	PLUG	-	-	-
8	K97LA	16	VT	3549417C1
9	K97M	16	VT	3549416C1
10	K97AZ	16	VT	3549418C1
11	PLUG	-	-	-
12	K97Y	12	VT	3549415C1

CONNECTOR - 3549412C1

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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	11SEP03	MULTIPLE CHANGES.	E	58774T	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 31MAY00 · PART NO. AE08-52376 · SHEET 37

Figure 215 Connector Composites (6007), (6011)

12.42. CONNECTOR COMPOSITES (6013M), (6014), (6015), P. 38

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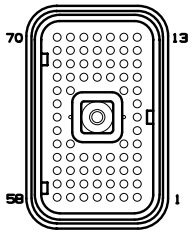
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

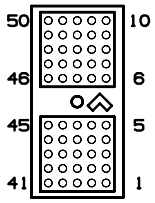
ECM CONN (6013M)



CONNECTOR - 3526985C1
PLUG - 2023143C1

CAV	CIR	GAUGE	COLOR	TERM	CAV	CIR	GAUGE	COLOR	TERM
1	PLUG				36	K47T	18	GY	3526966C1
2	K34B	16	TN	3526966C1	37	PLUG			
3	PLUG				38	PLUG			
4	K97P	18	VT	3526966C1	39	PLUG			
5	K97YA	18	VT	3526966C1	40	PLUG			
6	PLUG				41	PLUG			
7	PLUG				42	PLUG			
8	K3A(+)	18	DK BL	3526966C1	43	PLUG			
9	K3B(-)	18	GY	3526966C1	44	PLUG			
10	PLUG				45	PLUG			
11	K23N	16	TN	3526966C1	46	PLUG			
12	PLUG				47	PLUG			
13	PLUG				48	PLUG			
14	PLUG				49	K34C	16	TN	3526966C1
15	PLUG				50	K5V	20	YL	3547816C1
16	PLUG				51	PLUG			
17	PLUG				52	K97AS	14	VT	3526966C1
18	PLUG				53	K97AT	14	VT	3526966C1
19	PLUG				54	K34D	16	TN	3526966C1
20	PLUG				55	PLUG			
21	PLUG				56	PLUG			
22	PLUG				57	PLUG			
23	PLUG				58	PLUG			
24	PLUG				59	PLUG			
25	PLUG				60	PLUG			
26	PLUG				61	PLUG			
27	PLUG				62	PLUG	-	-	-
28	PLUG				63	PLUG			
29	PLUG				64	PLUG			
30	PLUG				65	K97-GD	14	WH	3526966C1
31	PLUG				66	K99V	18	VT	3526966C1
32	K47A	16	GY	3526966C1	67	K97-GE	14	WH	3526966C1
33	K47A	16	GY	3526966C1	68	PLUG			
34	K5W	20	GN	3547816C1	69	PLUG			
35	PLUG				70	K97U	18	VT	3526966C1

ENGINE CONTROLLER (6014)



CONNECTOR - 3555048C1
PLUG - 3527276C1
TERMINAL - 3518863C1

CAV	CIRCUIT	GAUGE	COLOR	CAV	CIRCUIT	GAUGE	COLOR
1	K99U	18	VT	26	PLUG		
2	PLUG			27	K47	16	GY
3	PLUG			28	K34E	16	TN
4	PLUG			29	PLUG		
5	PLUG			30	PLUG		
6	PLUG			31	PLUG		
7	PLUG			32	K34-GB	16	WH
8	PLUG			33	PLUG		
9	K99V	18	VT	34	K97Q	18	VT
10	K3A(+)	18	DKBL	35	PLUG		
11	K99W	18	VT	36	K47A	16	GY
12	PLUG			37	PLUG		
13	PLUG			38	K23N	16	TN
14	PLUG			39	K97U1	18	VT
15	PLUG	-	-	40	PLUG		
16	PLUG			41	PLUG		
17	PLUG			42	PLUG		
18	PLUG			43	PLUG		
19	PLUG			44	PLUG		
20	K3B(-)	18	GY	45	PLUG		
21	PLUG			46	K5V	18	YL
22	K97P	18	VT	47	K5W	18	GN
23	K97Y	18	VT	48	PLUG		
24	PLUG			49	PLUG		
25	PLUG			50	PLUG		

ECM POWER (6015)

CONNECTOR - 3557533C1
WEDGE - 3557539C1
TERMINAL - 3557534C1

CAV	CIR	GAUGE	COLOR	NOTES
1	K10-GV	12	WH	
2	K97U2	12	VT	N/2004 ISM ENGINES
2	PLUG			
3	PLUG			
4	K97AM	12	VT	

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JKP	23SEP04	ADDED CONN 6015.	G	59169P	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 31MAY00 · PART NO. AE08-52376 · SHEET 38

Figure 216 Connector Composites (6013M), (6014), (6015)

12.43. CONNECTOR COMPOSITES (6020), (6021), (6200), (6316), (6323), P. 39

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

FREON COMPRESSOR (6200)

(LOCATED ON FREON COMPRESSOR)

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTE
A	K77-G	16	WH	2033819C1	1652325C1	
B	K77A	16	LT GN	2033819C1	1652325C1	
A	K77-G	16	WH	2033819C1	1652325C1	W/SS
B	K77B	16	LT GN	2033819C1	1652325C1	W/SS

CONNECTOR - 1671610C1
LOCK - 1671608C1

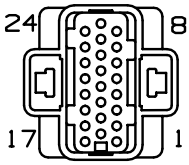
START MOTOR THERMAL OVERCRANK (6316)

(LOCATED ON START MOTOR)

CAV	CIR	GAUGE	COLOR	TERM	NOTE
A	K17L	18	PK	2036586C1	
B	K17K	18	PK	2036586C1	
A	K17J	18	PK	2036586C1	W/SS
B	K17S	18	PK	2036586C1	W/SS

CONNECTOR - 2036583C1

ECM2 (6020)

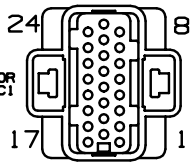


CONNECTOR 3562311C1

SEALING PLUG 3562316C1

COVER 3562313C1

ECM2 (6021)



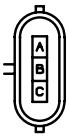
CONNECTOR 3562312C1

CAV	CIR	GA.	COLOR	TERM
1				
2				
3	K97C	18	VT	3562314C1
4	K34A	18	TN	3562314C1
5	K97J	18	VT	3562314C1
6	K97-GV	16	WH	3562315C1
7	K97-GW	16	WH	3562315C1
8	K97AD	18	VT	3562314C1
8	K17D	18	PK	3562314C1
8	L17E	18	PK	3562314C1
8	K92#123	18	TN	3562314C1
8	K17B	18	PK	3562314C1
9				
10				
11	K97AR	18	VT	3562314C1
12	K58(+)	20	YL	3562314C1
12	K5V	18	YL	3562314C1
13	K58(-)	20	GN	3562314C1
13	K5W	18	GN	3562314C1
14	K46A	18	GY	3562314C1
15				
16				
17	K47B	18	GY	3562314C1
18				
19	K97CB	18	VT	3562314C1
20	K97CC	18	VT	3562314C1
21	K46B	18	GY	3562314C1
22				
23	K17M	18	PK	3562314C1
23	K17L	18	PK	3562314C1
24	K97K	18	VT	3562314C1

CAV	CIR	GA.	COLOR	TERM
1	K97F	18	VT	3562315C1
2	K97Z	18	VT	3562315C1
3				
4	K97	18	VT	3562315C1
5				
6				
7				
8				
9	K47A	18	GY	3562314C1
10	K47	18	GY	3562314C1
10	L47B126	18	GY	3562314C1
10	K47#126	18	GY	3562314C1
10	K47A157	18	GY	3562314C1
11				
12	K99S	18	VT	3562314C1
13				
14	K23A	18	TN	3562314C1
14	K97B	18	VT	3562314C1
15				
16				
17				
18	K99T	18	VT	3562314C1
19				
20	K38(+)	18	DKBL	3562314C1
20	KA3D(+)	18	DKBL	3562314C1
21	K38(-)	18	GY	3562314C1
21	KA3D(-)	18	GY	3562314C1
22				
23				
24	K97D	18	VT	3562314C1

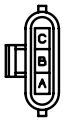
ENGINE MODULE POWER & GROUND (6323) (V8 ONLY)

(LOCATED NEAR START MOTOR)



V8 ENGINE HARNESS

CONNECTOR - 1667732C1
PLUG - 1675451C1
LOCK - 1667734C1



V8 BATTERY HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K97X	10	VT	2025425C1	1667735C1
B	K97-G	10	WH	2025425C1	1667735C1
C	PLUG	-	-	-	-

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N97AA	10	RD	1667737C1	1667735C1
B	N97-G	10	WH	1667737C1	1667735C1
C	PLUG	-	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JKP	23SEP04	REMOVED 6015. ADDED	H	59169P	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		6323.			RELEASE NO. P52778H	DATE 31MAY00 / PART NO. AE08-52376 / SHEET 39

Figure 217 Connector Composites (6020), (6021), (6200), (6316), (6323)

12.44. CONNECTOR COMPOSITES (6323), (6332), (6333), (6334), (6400), (6401M), (6401), (6406), (6407), (6407D), (6409), (6500), (6502), (6550), P. 40

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

ENGINE MODULE POWER & GROUND (6323)

(LOCATED NEAR START MOTOR)

ENGINE HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
A	K97AA	10	VT	2025423C1	2025426C1	W/16 ENG
B	K97-GA	10	VT	2025423C1	2025426C1	W/16 ENG
A	K97AM	10	VT	2025423C1	2025426C1	W/SS
B	K97-GA	10	WH	2025423C1	2025426C1	W/SS

CONNECTOR - 2031520C1 LOCK - 2033927C1

BATTERY HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N97AA	10	RD	2031531C1	2025426C1
B	N97-G	10	WH	2031531C1	2025426C1

CONNECTOR - 2031522C1
LOCK - 2033927C1

AMMETER (6332) (LOCATED NEAR START MOTOR)

ENGINE HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K26B	18	TN	2033911C1	1652325C1

CONNECTOR - 1669834C1 LOCK - 1675053C1

BATTERY HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N26B	14	TN	2033816C1	589391C1

CONNECTOR - 1664531C1 LOCK - 1675053C1

AMMETER (6333) (LOCATED NEAR START MOTOR)

ENGINE HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K26A	18	TN	2033819C1	1652325C1

CONNECTOR - 1664531C1 LOCK - 1675053C1

ENGINE BLOCK GROUND HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K26A	10	TN	1687848C1	589390C1

CONNECTOR - 1669834C1 LOCK - 1675053C1

2-WAY RADIO CONNECTION (6334)

(LOCATED NEAR STARTER MOTOR)

BATT HARN

CONNECTOR 1671611C1
CONN LOCK 1671608C1
PLUG 0587579C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N14HC	10	RD	1687848C1	589390C1
B	N14-GD	10	WH	1687848C1	589390C1

DASH HARN

CONNECTOR 1671610C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J14HC	10	RD	1687847C1	589390C1
B	J14-GD	10	WH	1687847C1	589390C1

LOW COOLANT SENSOR (6400)

(LOCATED ON SURGE TANK)

CONNECTOR 2036583C1

CAV	CIR	GAUGE	COLOR	TERM
A	K34A	18	TN	2036586C1
B	K34-G	18	WH	2036586C1

LOW COOLANT SENSOR (6401M)

CONNECTOR 2036583C1

CAV	CIR	GAUGE	COLOR	TERM
A	K34A	18	TN	2036586C1
B	K34-G	18	WH	2036586C1

MELROSE ENG HARN (6401)

(LOCATED NEAR ENGINE FAN DRIVE)

CONNECTOR 1671611C1
CONN LOCK 1671608C1
PLUG 587579C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES:
A	K97B	18	VT	2033911C1	1652325C1	NO FAN
A	K23A	18	TN	2033911C1	1652325C1	W/ FAN
B	PLUG	-	-	-	-	

ELECTRIC CLUTCH FAN DRIVE (6406)

(LOCATED ON ENGINE FAN DRIVE)

CONNECTOR 587568C91

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K23	18	TN	0587576C1	1652325C1
B	K23-G	18	WH	0587576C1	1652325C1

LOW COOLANT SENSOR (6407)

CONNECTOR 1673746C1
CONN LOCK 1661873C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K34D	16	TN	1661875C1	1661872C1
B	K34-GA	16	WH	1661875C1	1661872C1
C	K34B	16	TN	1661875C1	1661872C1
D	K34C	16	TN	1661875C1	1661872C1

LOW COOLANT SENSOR (6407D)

CONNECTOR - 1671610C1
LOCK - 1671608C1
SEAL - 1652325C1

CAV	CIR	GAUGE	COLOR
1	K34E	16	TN
2	K34-GB	16	WH

FAN AIR SOLENOID (6409)

CONNECTOR 1671610C1
CONN LOCK 1671608C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K23N	16	TN	2033819C1	1652325C1
B	K23-G	16	WH	2033819C1	1652325C1

EXHAUST BRAKE (6500)

(LOCATED ON EXHAUST BRAKE SOLENOID)

CONNECTOR 1671610C1
CONN LOCK 1671608C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K24B	18	GY	2033819C1	1652325C1
B	K24-G	18	WH	2033819C1	1652325C1

EXHAUST BRAKE SOLENOID (6502)

CONNECTOR - 0188395R1
LOCK - N/A
PLUG - N/A

CAV	CIR	GAUGE	COLOR	TERM
A	K24B	16	GY	0188396C1

ETHER START THERMOSTAT (6550)

(LOCATED NEAR ENGINE ECM)

	CAV	CIR	GAUGE	COLOR	TERM	SEAL
	A	K21B	18	TN	2033819C1	1652325C1
*	A	K21F	16	TN	2033819C1	1652325C1
	B	K21-G	18	WH	2033819C1	1652325C1
*	B	K21-G	16	WH	2033819C1	1652325C1

*USED FOR SS 4GAUGE

CONNECTOR - 1671610C1
LOCK - 1671608C1
SEAL - 1652325C1

CHK	DATE	CHANGE	REV	REFERENCE
JKP	23SEP04	REMOVED 6323 FOR V8.	G	59169P
		ADDED 6502 AND 6550.		

DRAWN U00EDL2 NAME 42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
RELEASE NO. P52778H DATE 31MAY00 PART NO. AE08-52376 SHEET 40

Figure 218 Connector Composites (6323), (6332), (6333), (6334), (6400), (6401M), (6401), (6406), (6407), (6407D), (6409), (6500), (6502), (6550)

12.45. CONNECTOR COMPOSITES (6703), (6704), (6708), (6900A), (7103), (7104), (7104A), (7105), (7106), (7107), P. 41

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

AMBIENT AIR TEMP SENSOR (6703)

(LOCATED ON AIR FILTER HOUSING)

CAV	CIR	GAUGE	COLOR	TERM
A	K97E	16	VT	1689464C1
B	K97S	16	VT	1689464C1

CONNECTOR - 1689462C1
LOCK - 1689463C1

GROUND SPLICE (6704) (LOCATED NEAR ENGINE ECM)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	K24-G	18	WH	3535303C1	3535424C1
2	K77-G	18	WH	3535303C1	3535424C1
3	K10-G	18	WH	3535303C1	3535424C1
4	K10-GA	18	WH	3535303C1	3535424C1
5	K34-G	18	WH	3535303C1	3535424C1
6	K21-G	18	WH	3535303C1	3535424C1

CONNECTOR: 3543729C1 LOCK: 3543731C1 BUS BAR: 3543734C1

GROUND SPLICE (6704)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	PLUG				
B	K77-G	18	WH	2033819C1	1652325C1
C	K10-GB	14	WH	2033816C1	0589391C1
D	PLUG				
E	K34-G	18	WH	2033819C1	1652325C1
F	PLUG				

CONNECTOR: 3551896C1 LOCK: 3551897C1
PLUG: 0587579C1 BUS BAR: 3543734C1

FUEL FILTER (6708) (I-313 ONLY)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	K19B	12	GY	3559035C1	3575783C1
2	K19-G	12	GY	3559035C1	3575783C1

CONNECTOR: 3578845C1 BODY LOCK: N/A

CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	K19B	16	GY	3561584C1	3536868C1
1	K19BB	16	GY	3561584C1	3536868C1
2	K19C	16	GY	3561584C1	3536868C1

BACKUP CAMERA/MONITOR (6900A)

CONNECTOR 1661198C1

CAV	CIR	GAUGE	COLOR	TERM
A	GB12RD	18	RD	1661208C1
B	GB12BK	18	LTGN	1661208C1
C	GB12-G	18	BK	1661208C1

CONNECTOR 1661199C1

CAV	CIR	GAUGE	COLOR	TERM
A	A12RD	18	RD	1661212C1
B	A12BK	18	LTGN	1661212C1
C	A12-G	18	BK	1661212C1

2 SPEED AXLE BOOT CONNECTOR (7103)

CONNECTOR 1661198C1

CAV	CIR	GAUGE	COLOR	TERM
A	L93	18	TN	1661208C1
B	-	-	-	-
C	L93G	18	TN	1661208C1

CLEAN BATTERY FEED (7104)

CONNECTOR 1671610C1
LOCK 1671608C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N92A	10	RD	1687847C1	0589390C1
B	N92-G	10	WH	1687847C1	0589390C1

WTEC W/16

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L92#136	10	TN	1687848C1	0589390C1
B	L92#143	10	TN	1687848C1	0589390C1

CONNECTOR 1671611C1
LOCK 1671608C1

LCT W/16

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L92#103	18	TN	2033911C1	3517771C1
B	L92-G	18	TN	2033911C1	1652325C1

WTEC OR LCT W/V8

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K92B	10	TN	1687848C1	0589390C1
B	K92-G	10	TN	1687848C1	0589390C1

ENG/TRANS POWER & GND (7104A)

CONNECTOR 1671610C1
LOCK 1671608C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K92B	10	TN	1687847C1	0589390C1
B	K92-G	10	TN	1687847C1	0589390C1

WTEC W/V8

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L92#136	10	TN	1687848C1	0589390C1
B	L92#143	10	TN	1687848C1	0589390C1

LCT W/V8

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L92#103	18	TN	2033911C1	3517771C1
B	L92-G	18	TN	2033911C1	1652325C1

CONNECTOR 1671611C1
LOCK 1671608C1

SHIFTER JUMPER (7105)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K92EA	16	TN	1661875C1	1661872C1
B	K92EC	16	TN	1661875C1	1661872C1
C	K92EB	16	TN	1661875C1	1661872C1

CONNECTOR - 1667741C1 LOCK - 1667771C1

LIGHTING ECM (7106)

CONNECTOR 2010376C1
PLUG 1687788C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A1	K14AA	16	RD	1651943C1	N/A
A2	K3AA	16	DKBL	1651943C1	N/A
A3	K11-GB	16	WH	1651943C1	N/A
B1	K13AA	16	PK	1651943C1	N/A
B2	K3AB	16	GY	1651943C1	N/A
B3	K11-GC	16	WH	1651943C1	N/A
C1	K5E(+)	18	YL	1651943C1	N/A
C2	K5E(-)	18	GN	1651943C1	N/A
C3	PLUG				
D1	K47R	16	GY	1651943C1	N/A
D2	K47S	16	GY	1651943C1	N/A
D3	K92EA	16	TN	1651943C1	N/A
E1	PLUG				
E2	PLUG				
E3	K92EB	16	TN	1651943C1	N/A
F1	PLUG				
F2	PLUG				
F3	K92EC	16	TN	1651943C1	N/A

J1939 TRANS (7107)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K5D(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	-	-
C	K5D(-)	18	GN	1661875C1	3568570C1

CONNECTOR - 1667741C1
LOCK - 1667771C1
PLUG - 2025431C1

CHK	DATE	CHANGE	REV	REFERENCE
JKP	23SEP04	REMOVED 6550. ADDED	F	59169P
		6900A AND 7107.		

DRAWN U00EDL2 | NAME 42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
RELEASE NO. P52778H | DATE 31MAY00 | PART NO. AE08-52376 | SHEET 41

Figure 219 Connector Composites (6703), (6704), (6708), (6900A), (7103), (7104), (7104A), (7105), (7106), (7107)

12.46. CONNECTOR COMPOSITES (7111), (7150), P. 42

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

MERITOR POWER (7111)

CONNECTOR - 1671610C1 LOCK - 1671608C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K13A	16	PK	2033819C1	1652325C1
B	K11-G	16	WH	2033819C1	1652325C1

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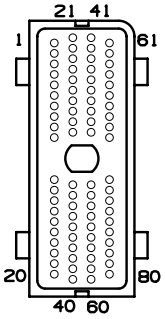
4 GEN TRANSMISSION CONTROLLER CONNECTION

(7150 WTEC)

CONNECTOR - 3605713C1



CAV	CIR	GAUGE	COLOR	TERM
1	92#101	18	LT BL	3606047C1
2	-	-	-	-
3	92#103	18	YL	3606047C1
4	-	-	-	-
5	92#105	18	OR	3606047C1
6	-	-	-	-
7	-	-	-	-
8	5A108	18	GN	3606047C1
9	92C109	18	GY	3606047C1
10	92B110	18	PK	3606047C1
11	92#111	18	OR	3606047C1
12	92A112	18	PK	3606047C1
13	-	-	-	-
14	-	-	-	-
15	92#115	18	WH	3606047C1
16	92#116	18	LT BL	3606047C1
17	92A117	18	LT BL	3606047C1
18	-	-	-	-
19	92#119	18	LT BL	3606047C1
20	92A120	18	LT BL	3606047C1
21	-	-	-	-
22	-	-	-	-
23	-	-	-	-
24	92#124	18	WH	3606047C1
25	47A125	18	TN	3606047C1
26	-	-	-	-
27	-	-	-	-
28	5A128	18	YL	3606047C1
29	-	-	-	-
30	92#130	18	WH	3606047C1
31	92A131	18	YL	3606047C1
32	-	-	-	-
33	92#133	18	YL	3606047C1
34	92#134	18	YL	3606047C1
35	-	-	-	
36	92#136	18	OR	3606047C1
37	92#137	18	WH	3606047C1
38	-	-	-	
39	48#139	18	OR	3606047C1
40	47#140	18	LT GN	3606047C1

CAV	CIR	GAUGE	COLOR	TERM
41	92#141	18	TN	3606047C1
42	92A142	18	WH	3606047C1
43	92#143	18	LT BL	3606047C1
44	-	-	-	-
45	92#145	18	OR	3606047C1
46	-	-	-	-
47	-	-	-	-
48	-	-	-	-
49	-	-	-	-
50	-	-	-	-
51	92#151	18	WH	3606047C1
52	92#152	18	LT GN	3606047C1
53	-	-	-	-
54	31#154	18	TN	3606047C1
55	92#155	18	WH	3606047C1
56	92#156	18	PK	3606047C1
57	92#157	18	WH	3606047C1
58	92A158	18	LT GN	3606047C1
59	48#159	18	TN	3606047C1
60	47#160	18	YL	3606047C1
61	92#161	18	OR	3606047C1
62	92#162	18	YL	3606047C1
63	92#163	18	YL	3606047C1
64	92#164	18	LT BL	3606047C1
65	71#165	18	TN	3606047C1
66	-	-	-	-
67	-	-	-	-
68	-	-	-	-
69	92B169	18	GY	3606047C1
70	92#170	18	PK	3606047C1
71	92#171	18	YL	3606047C1
72	-	-	-	-
73	-	-	-	-
74	92#174	18	LT BL	3606047C1
75	92#175	18	OR	3606047C1
76	92#176	18	YL	3606047C1
77	92#177	18	LT GN	3606047C1
78	-	-	-	-
79	-	-	-	-
80	92#180	18	OR	3606047C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	21OCT05	ADDED CONN 7150.	E	59929F	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		RMVD: 7200,7202,7203.			RELEASE NO. P52778H	DATE 31MAY00 PART NO. AE08-52376 SHEET 42

Figure 220 Connector Composites (7111), (7150)

12.47. CONNECTOR COMPOSITE (7151), P. 42A

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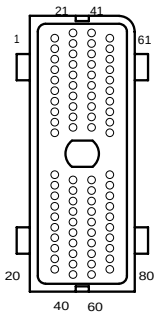
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

4 GEN TRANSMISSION
CONTROLLER CONNECTION

(7151 LCT)

CONNECTOR - 3605713C1



CAV	CIR	GAUGE	COLOR	TERM
1	92#101	18	TN	3606047C1
2	-	-	-	-
3	92#103	18	YL	3606047C1
4	-	-	-	-
5	92#105	18	OR	3606047C1
6	-	-	-	-
7	-	-	-	-
8	5A108	18	GN	3606047C1
9	92C109	18	GY	3606047C1
10	92B110	18	PK	3606047C1
11	92#111	18	OR	3606047C1
12	-	-	-	-
13	-	-	-	-
14	92#114	18	GY	3606047C1
15	-	-	-	-
16	-	-	-	-
17	92#117	18	LT BL	3606047C1
18	-	-	-	-
19	-	-	-	-
20	92#120	18	LT BL	3606047C1
21	-	-	-	-
22	-	-	-	-
23	92#123	18	LT GN	3606047C1
24	-	-	-	-
25	47#125	18	TN	3606047C1
26	-	-	-	-
27	-	-	-	-
28	5#128	18	YL	3606047C1
29	-	-	-	-
30	-	-	-	-
31	-	-	-	-
32	-	-	-	-
33	92#133	18	YL	3606047C1
34	92#134	18	WH	3606047C1
35	-	-	-	
36	92#136	18	OR	3606047C1
37	-	-	-	-
38	92#138	18	OR	3606047C1
39	48#139	18	OR	3606047C1
40	47#140	18	LT GN	3606047C1

CAV	CIR	GAUGE	COLOR	TERM
41	92#141	18	TN	3606047C1
42	92#142	18	WH	3606047C1
43	92#143	18	LT BL	3606047C1
44	-	-	-	-
45	92#145	18	OR	3606047C1
46	-	-	-	-
47	-	-	-	-
48	-	-	-	-
49	-	-	-	-
50	92#150	18	PK	3606047C1
51	92#151	18	WH	3606047C1
52	92#152	18	LT GN	3606047C1
53	92#153	18	YL	3606047C1
54	31#154	18	TN	3606047C1
55	92#155	18	WH	3606047C1
56	-	-	-	-
57	92#157	18	WH	3606047C1
58	92#158	18	LT GN	3606047C1
59	48#159	18	TN	3606047C1
60	47#160	18	YL	3606047C1
61	-	-	-	-
62	-	-	-	-
63	13#163	18	YL	3606047C1
64	-	-	-	-
65	92#165	18	TN	3606047C1
66	-	-	-	-
67	-	-	-	-
68	-	-	-	-
69	92#169	18	GY	3606047C1
70	92#170	18	PK	3606047C1
71	92#171	18	YL	3606047C1
72	-	-	-	-
73	92#173	18	LT BL	3606047C1
74	92#174	18	LT BL	3606047C1
75	-	-	-	-
76	92#176	18	YL	3606047C1
77	92#177	18	LT GN	3606047C1
78	92#178	18	WH	3606047C1
79	92#179	18	PK	3606047C1
80	92#180	18	OR	3606047C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
					U00KLH1	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		
					RELEASE NO. 59929F	DATE 14OCT05	PART NO. AE08-52376	SHEET 42A

Figure 221 Connector Composite (7151)

12.48. CONNECTOR COMPOSITES (7200), (7202), (7203), P. 42B

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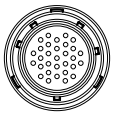
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

TRANSMISSION BULKHEAD CONNECTION (WTEC) (7200)

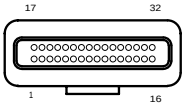


CONNECTOR - 3508926C1
PLUG - 3508928C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L92#102	18	TN	3508927C1	N/A
B	L92#103	18	TN	3508927C1	N/A
C	L92#104	18	TN	3508927C1	N/A
D	L92A124	18	TN	3508927C1	N/A
E	L92#107	18	TN	3508927C1	N/A
F	L92#110	18	TN	3508927C1	N/A
G	L92#120	18	TN	3508927C1	N/A
H	L92#121	18	TN	3508927C1	N/A
J	L92#128	18	TN	3508927C1	N/A
K	L92#129	18	TN	3508927C1	N/A
L	L92#130	18	TN	3508927C1	N/A
M	L92#131	18	TN	3508927C1	N/A
N	L92B135	18	TN	3508927C1	N/A

CAV	CIR	GAUGE	COLOR	TERM	SEAL
P	L31#147	18	TN	3508927C1	N/A
U	L92A140	18	TN	3508927C1	N/A
V	L92A149	18	TN	3508927C1	N/A
W	L92#195	18	TN	3508927C1	N/A
X	L92#162	18	TN	3508927C1	N/A
Y	L92#165	18	TN	3508927C1	N/A
a	PLUG				
b	PLUG				
c	PLUG				
d	PLUG				
e	PLUG				
f	PLUG				
g	PLUG				

ECU "V"
CONN GRAY
(ALLISON WTEC)
(7202)



CONNECTOR - 3548957C91
PLUG - 3518314C1

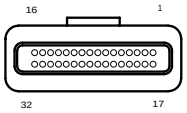
CAV	CIR	GAUGE	COLOR	TERM
1	L92B136	18	TN	3517243C1
2	L92#114	18	TN	3517243C1
3	PLUG	-		
4	L71#113	18	OR	3517243C1
5	L92#167	18	TN	3517243C1
6	L92#123	18	TN	3517243C1
7	PLUG	-		
8	PLUG	-		
9	PLUG	-		
10	PLUG	-		
11	L92#155	18	TN	3517243C1
12	L92#153	18	TN	3517243C1
13	L92#118	18	TN	3517243C1
14	PLUG	-		
15	PLUG	-		
16	L92C136	18	TN	3517243C1
17	L92B143	18	TN	3517243C1
18	L92#125	18	TN	3517243C1
19	L92#105	18	TN	3517243C1
20	PLUG	-		
21	PLUG	-		
22	L92#112	18	TN	3517243C1
23	PLUG	-		
24	PLUG	-		
25	PLUG	-		
26	PLUG	-		
27	PLUG	-		
28	PLUG	-		
29	L92#137	18	TN	3517243C1
30	L92#117	18	TN	3517243C1
31	L92#161	18	TN	3517243C1
32	L92C143	18	TN	3517243C1

W/ & NOT W/RETARDER

CAV	CIR	GAUGE	COLOR	TERM
1	L92B136	18	TN	3517243C1
2	L92A114	18	TN	3517243C1
3	PLUG	-		
4	L71#113	18	OR	3517243C1
5	L92#167	18	TN	3517243C1
6	L92A123	18	TN	3517243C1
7	PLUG	-		
8	PLUG	-		
9	PLUG	-		
10	PLUG	-		
11	L92#155	18	TN	3517243C1
12	L92A153	18	TN	3517243C1
13	L92#118	18	TN	3517243C1
14	PLUG	-		
15	PLUG	-		
16	L92C136	18	TN	3517243C1
17	L92B143	18	TN	3517243C1
18	L92#125	18	TN	3517243C1
19	L92#105	18	TN	3517243C1
20	PLUG	-		
21	PLUG	-		
22	L92#112	18	TN	3517243C1
23	PLUG	-		
24	PLUG	-		
25	PLUG	-		
26	PLUG	-		
27	PLUG	-		
28	PLUG	-		
29	L92#137	18	TN	3517243C1
30	L92A117	18	TN	3517243C1
31	L92#161	18	TN	3517243C1
32	L92C143	18	TN	3517243C1

W/AUTO NEUTRAL

ECU "T"
CONN BLUE
(ALLISON WTEC)
(7203)



CONNECTOR - 3548958C91
PLUG - 3518314C1

* - W/RETARDER ONLY

CAV	CIR	GAUGE	COLOR	TERM		CAV	CIR	GAUGE	COLOR	TERM
1	L92#102	18	TN	3517243C1		17	L92#130	18	TN	3517243C1
2	L92#121	18	TN	3517243C1		18	PLUG	-		
3	L92#107	18	TN	3517243C1	*	19	L92A116	18	TN	3517243C1
4	L92#120	18	TN	3517243C1		20	L92#128	18	TN	3517243C1
5	L92#103	18	TN	3517243C1		21	L92#131	18	TN	3517243C1
6	L92#129	18	TN	3517243C1		22	L92#110	18	TN	3517243C1
7	L92#104	18	TN	3517243C1	*	23	L92#127	18	TN	3517243C1
8	PLUG	-				24	L92#101	18	TN	3517243C1
9	L92A124	18	TN	3517243C1		25	L92A135	18	TN	3517243C1
10	PLUG	-				26	L92#165	18	TN	3517243C1
11	PLUG	-				27	L31#147	18	TN	3517243C1
12	L92#162	18	TN	3517243C1	*	28	L92#138	18	TN	3517243C1
13	L92#195	18	TN	3517243C1		29	PLUG	-		
14	L48#141	18	GY	3517243C1		30	L48#150	18	GY	3517243C1
15	L92A149	18	TN	3517243C1		31	L92A140	18	TN	3517243C1
16	L47#139	18	GY	3517243C1		32	L47#148	18	GY	3517243C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
					U00KLH1	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		
					RELEASE NO. 59929F	DATE 13OCT05	PART NO. AE08-52376	SHEET 42B

Figure 222 Connector Composites (7200), (7202), (7203)

12.49. CONNECTOR COMPOSITES (7204), (7205), (7206), (7208), (7211), (7212), (7213), P. 43

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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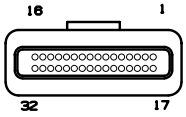
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

ECU "S" CONN BLACK (ALLISON WTEC) (7204)



CONNECTOR - 3548956C91
PLUG - 3518314C1

CAV	CIR	GAUGE	COLOR	TERM
1	L3+142	18	WH	3517243C1
2	PLUG	-		
3	L92#124	18	TN	3517243C1
4	L92#146	18	TN	3517243C1
5	L92#170	18	TN	3517243C1
6	L92#171	18	TN	3517243C1
7	L92#172	18	TN	3517243C1
8	L92#173	18	TN	3517243C1
9	L92#174	18	TN	3517243C1
10	L92#175	18	TN	3517243C1
11	PLUG	-		
12	L5A182	20	NONE	3517243C1
13	L5A183	20	YL	3517243C1
14	L92#180	18	TN	3517243C1
15	LHOSE1	18	PK	3517243C1
16	L92D136	18	TN	3517243C1
17	L3-151	18	DK BL	3517243C1
18	PLUG	-		
19	PLUG	-		
20	PLUG	-		
21	PLUG	-		
22	PLUG	-		
23	PLUG	-		
24	PLUG	-		
25	PLUG	-		
26	L92#169	18	TN	3517243C1
27	L92#163	18	TN	3517243C1
28	PLUG	-		
29	L5A184	20	GN	3517243C1
30	L47A157	18	GY	3517243C1
31	PLUG	-		
32	L92D143	18	TN	3517243C1

VIW - A (VEHICLE INTERFACE WIRING) (7205)

CONNECTOR - 3525872C1
PLUG - 2025431C1
LOCK - 3525873C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L92B161	18	TN	1661875C1	1661872C1
• B	L92#163	18	TN	1661875C1	1661872C1
C	L92#169	18	TN	1661875C1	1661872C1
D	L92#125	18	TN	1661875C1	1661872C1
F	L92#167	18	TN	1661875C1	1661872C1
G	L92#105	18	TN	1661875C1	1661872C1
H	L92#137	18	TN	1661875C1	1661872C1

• - FOR WTEC W/RETARDER, THERE IS NO CIRCUIT IN THIS CAVITY (PLUG ONLY).

VIW - C (VEHICLE INTERFACE WIRING) (7206)

CONNECTOR - 3525874C1
PLUG - 2025431C1
LOCK - 3525875C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L92#155	18	TN	1667742C1	1661872C1
• B	L92#117	18	TN	1667742C1	1661872C1
C	L92C161	18	TN	1667742C1	1661872C1
D	L92#118	18	TN	1667742C1	1661872C1
• E	L92#153	18	TN	1667742C1	1661872C1
• F	L92#114	18	TN	1667742C1	1661872C1
G	L92#112	18	TN	1667742C1	1661872C1

• - FOR WTEC W/AUTO NEUTRAL, THERE IS NO CIRCUIT IN THIS CAVITY (PLUG ONLY).

J1939 TRANS (7208)

CONNECTOR - 1667741C1
LOCK - 1667771C1
PLUG - 2025431C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L5C183	18	YL	1661875C1	3568570C1
A	L5D(+)	18	YL	1661875C1	3568570C1
B	PLUG	-	-	-	-
C	L5C184	18	GN	1661875C1	3568570C1
C	L5D(-)	18	GN	1661875C1	3568570C1

RETARDER TEMP SENDER (7211)

CONNECTOR - 3524377C1
PLUG - 1687788C1

CAV	CIR	GAUGE	COLOR	TERM
A	L92#138	18	TN	2036586C1
B	L92C135	18	TN	2036586C1

RETARDER ACCUMULATOR SOLENOID (7212)

CONNECTOR - 3524378C1
PLUG - 1687788C1

CAV	CIR	GAUGE	COLOR	TERM
A	L92#101	18	TN	2036586C1
B	L92N116	18	TN	2036586C1

RETARDER SOLENOID (7213)

CONNECTOR - 2036584C1
PLUG - 1687788C1

CAV	CIR	GAUGE	COLOR	TERM
A	L92#127	18	TN	2036586C1
B	L92C116	18	TN	2036586C1

CHK	DATE	CHANGE	REV	REFERENCE
JKP	23SEP04	ADDED 7208.	E	59169P

DRAWN U00EDL2 — NAME 42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
RELEASE NO. P52778H — DATE 31MAY00 — PART NO. AE08-52376 — SHEET 43

Figure 223 Connector Composites (7204), (7205), (7206), (7208), (7211), (7212), (7213)

12.50. CONNECTOR COMPOSITES (7214), (7250), (7251), P. 44

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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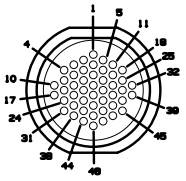
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

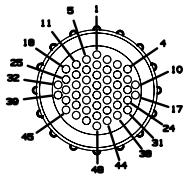
TCM BULKHEAD CONNECTION (7214)



(7214F)

CONNECTOR - 3573045C91
GASKET - 3588558C1
JAM NUT - 3588557C1
TERMINAL - 3588559C1

CAV	CIR	GAUGE	COLOR	CAV	CIR	GAUGE	COLOR
1	L47#139	18	GY	25	L92#167	18	TN
2	L47#148	18	GY	26	L92#105	18	TN
3	L92#170	18	TN	27	L92F143	16	TN
4	L92#171	18	TN	28	L92E143	16	TN
5	L92#172	18	TN	29	L92#137	18	TN
6	L92#173	18	TN	30	L92#155	18	TN
7	L92#174	18	TN	31	L92#117	18	TN
8	L92#175	18	TN	32	L92C149	18	TN
9	L92#124	18	TN	33	L92#118	18	TN
10	L48#141	18	GY	34	L92#153	18	TN
11	L92#180	18	TN	35	L92#114	18	TN
12	L92#146	18	TN	36	L92#112	18	TN
13	L71#113	18	OR	37	L5B183	18	YL
14	L3+142	18	WH	38	L5B184	18	GN
15	L3-151	18	DKBL	39	L92C140	18	TN
16	L92D136	18	TN	40	L47A157	18	GY
17	L48#150	18	GY	41	L17A	18	PK
18	L92D143	18	TN	42	-		
19	L92#161	18	TN	43	-		
20	L92#163	18	TN	44	-		
21	L92F136	16	TN	45	-		
22	L92E136	16	TN	46	-		
23	L92#169	18	TN	47	-		
24	L92#125	18	TN	48	-		

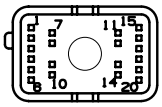


(7214M)

CONNECTOR - 3573046C91
BODY LOCK - 3588572C1
TERMINAL - 3588558C1

CAV	CIR	GAUGE	COLOR	CAV	CIR	GAUGE	COLOR
1	L47#139	18	GY	25	L92#167	18	TN
2	L47#148	18	GY	26	L92#105	18	TN
3	L92#170	18	TN	27	L92B143	18	TN
4	L92#171	18	TN	28	L92C143	18	TN
5	L92#172	18	TN	29	L92#137	18	TN
6	L92#173	18	TN	30	L92#155	18	TN
7	L92#174	18	TN	31	L92#117	18	TN
8	L92#175	18	TN	32	L92C149	18	TN
9	L92#124	18	TN	33	L92#118	18	TN
10	L48#141	18	GY	34	L92#153	18	TN
11	L92#180	18	TN	35	L92#114	18	TN
12	L92#146	18	TN	36	L92#112	18	TN
13	L71#113	18	OR	37	L5B183	18	YL
14	L3+142	18	WH	38	L5B184	18	GN
15	L3-151	18	DKBL	39	L92C140	18	TN
16	L92D136	18	TN	40	L47A157	18	GY
17	L48#150	18	GY	41	L92#123	18	TN
18	L92D143	18	TN	42	-		
19	L92#161	18	TN	43	-		
20	L92#163	18	TN	44	-		
21	L92B136	18	TN	45	-		
22	L92C136	18	TN	46	-		
23	L92#169	18	TN	47	-		
24	L92#125	18	TN	48	-		

WTEC TRANSMISSION BULKHEAD CONNECTOR (7250 & 7251)



CONNECTOR - 3605715C1

(7250 MED DUTY)

CAV	CIR	GAUGE	COLOR	TERM
1	92#111	18	OR	3606047C1
2	92#155	18	WH	3606047C1
3	92#177	18	LT GN	3606047C1
4	92#136	18	OR	3606047C1
5	92#152	18	LT GN	3606047C1
6	92#171	18	YL	3606047C1
7	-	-	-	-
8	92#174	18	LT BL	3606047C1
9	92#133	18	YL	3606047C1
10	92#151	18	WH	3606047C1
11	92B131	18	YL	3606047C1
12	92#137	18	WH	3606047C1
13	92#180	18	OR	3606047C1
14	92A120	18	LT BL	3606047C1
15	92#116	18	LT BL	3606047C1
16	92A112	18	PK	3606047C1
17	-	-	-	-
18	31#154	18	TN	3606047C1
19	92A158	18	LT GN	3606047C1
20	92#176	18	YL	3606047C1

(7251 HEAVY DUTY)

CAV	CIR	GAUGE	COLOR	TERM
1	92#111	18	OR	3606047C1
2	92#155	18	WH	3606047C1
3	92#177	18	LT GN	3606047C1
4	92#136	18	OR	3606047C1
5	92#152	18	LT GN	3606047C1
6	92#171	18	YL	3606047C1
7	-	-	-	-
8	92#174	18	LT BL	3606047C1
9	92#133	18	YL	3606047C1
10	92#151	18	WH	3606047C1
11	92A131	18	YL	3606047C1
12	92#137	18	WH	3606047C1
13	-	-	-	-
14	-	-	-	-
15	92#116	18	LT BL	3606047C1
16	92A112	18	PK	3606047C1
17	-	-	-	-
18	31#154	18	TN	3606047C1
19	92A158	18	LT GN	3606047C1
20	92#176	18	YL	3606047C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	21OCT05	ADDED CONN 7250,7251.	G	59929F	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		RMVD: 7300,7301.			RELEASE NO. P52778H	DATE 31MAY00 PART NO. AE08-52376 SHEET 44

Figure 224 Connector Composites (7214), (7250), (7251)

12.51. CONNECTOR COMPOSITES (7300), (7301), P. 44A

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

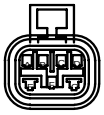
CONNECTOR COMPOSITES - MATING VIEW SHOWN

TRANSMISSION BULKHEAD (LCT) (7300)

CONNECTOR - 3522537C91
PLUG - 3518314C1
LOCK - 3518287C1

CAV	CIR	GAUGE	COLOR	TERM
A	L92#226	18	TN	3517243C1
B	L92#227	18	TN	3517243C1
C	L92#231	18	TN	3517243C1
D	L92#201	18	TN	3517243C1
E	L92#203	18	TN	3517243C1
F	L92#202	18	TN	3517243C1
G	L31#210	18	TN	3517243C1
H	L92A220	18	TN	3517243C1
J	L92#229	18	TN	3517243C1
K	L92#204	18	TN	3517243C1
L	L92#222	18	TN	3517243C1
M	L92#223	18	TN	3517243C1
N	L92#224	18	TN	3517243C1
P	L92#225	18	TN	3517243C1
R	L92#230	18	LT BL	3517243C1
S	L92#232	18	TN	3517243C1
T	L92#221	18	TN	3517243C1
U	PLUG	-	-	-
V	PLUG	-	-	-
W	L92#228	18	TN	3517243C1

NSBU SWITCH VEHICLE (NEUTRAL SAFETY BACK-UP) (7301)



CONNECTOR - 3534635C1
PLUG - 2025431C1
LOCK - 3534634C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	PLUG	-	-	-	-
B	PLUG	-	-	-	-
C	L71	16	OR	1661875C1	1661872C1
D	L92B220	18	TN	1661875C1	1661872C1
E	L13M3	18	PK	2033819C1	1652325C1
F	L71A	16	OR	1661875C1	1661872C1
G	L17E	18	PK	2033819C1	3517771C1

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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
					U00KLH1	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		
					RELEASE NO. 59929F	DATE 13OCT05	PART NO. AE08-52376	SHEET 44A

Figure 225 Connector Composites (7300), (7301)

12.52. CONNECTOR COMPOSITES (7302), (7304), (7305), (7306), (7350), P. 45

INTERNATIONAL TRUCK AND ENGINE CORPORATION

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

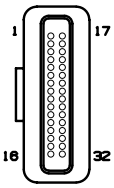
CONNECTOR COMPOSITES - MATING VIEW SHOWN

NSBU SWITCH (NEUTRAL SAFETY BACK-UP) (7302)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L92#205	18	TN	1661875C1	1661872C1
B	L92#207	18	TN	1661875C1	1661872C1
C	L92#208	18	TN	1661875C1	1661872C1
D	L92#206	18	TN	1661875C1	1661872C1

CONNECTOR - 3534832C1
LOCK - 3534833C1

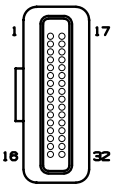
ECU -"J1" CONN GRAY (ALLISON LCT) (7305)



CONNECTOR-3541171C91
PLUG-3518314C1

CAV	CIR	GAUGE	COLOR	TERM
1	L92#101	18	TN	3517243C1
2	L13#102	18	PK	3517243C1
3	L92#103	18	TN	3517243C1
4	L13#104	18	PK	3517243C1
5	L92#105	18	TN	3517243C1
6	L92#106	18	TN	3517243C1
7	PLUG	-	-	-
8	L92#108	18	TN	3517243C1
9	PLUG			
10	L92#110	18	TN	3517243C1
11	L92#111	18	TN	3517243C1
12	PLUG	-	-	-
13	PLUG	-	-	-
14	PLUG	-	-	-
15	PLUG	-	-	-
16	PLUG	-	-	-
17	PLUG	-	-	-
18	PLUG	-	-	-
19	L92#119	18	TN	3517243C1
20	PLUG	-	-	-
21	L92#121	18	TN	3517243C1
22	L92#122	18	TN	3517243C1
23	PLUG	-	-	-
24	PLUG	-	-	-
25	[HOSE]	18	BK	3517243C1
26	L47#126	18	GY	3517243C1
27	PLUG	-	-	-
28	L92#128	18	TN	3517243C1
29	L5#129	20	YL	3517243C1
30	PLUG	-	-	-
31	PLUG	-	-	-
32	L5#132	20	GN	3517243C1

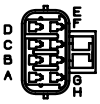
ECU -"J2" CONN RED (ALLISON LCT) (7304)



CONNECTOR - 3541172C91
PLUG - 3518314C1

CAV	CIR	GAUGE	COLOR	TERM
1	L92#201	18	TN	3517243C1
2	L92#202	18	TN	3517243C1
3	L92#203	18	TN	3517243C1
4	L92#204	18	TN	3517243C1
5	L92#205	18	TN	3517243C1
6	L92#206	18	TN	3517243C1
7	L92#207	18	TN	3517243C1
8	L92#208	18	TN	3517243C1
9	PLUG	-	-	-
10	L31#210	18	TN	3517243C1
11	PLUG	-	-	-
12	PLUG	-	-	-
13	L92#213	18	TN	3517243C1
14	L92#214	18	TN	3517243C1
15	L47#215	18	GY	3517243C1
16	L47#216	18	GY	3517243C1
17	L48#217	18	GY	3517243C1
18	L48#218	18	GY	3517243C1
19	PLUG	-	-	-
20	L92#220	18	TN	3517243C1
21	L92#221	18	TN	3517243C1
22	L92#222	18	TN	3517243C1
23	L92#223	18	TN	3517243C1
24	L92#224	18	TN	3517243C1
25	L92#225	18	TN	3517243C1
26	L92#226	18	TN	3517243C1
27	L92#227	18	TN	3517243C1
28	L92#228	18	TN	3517243C1
29	L92#229	18	TN	3517243C1
30	L92#230	18	LT BL	3517243C1
31	L92#231	18	TN	3517243C1
32	L92#232	18	TN	3517243C1

VIW - C (VEHICLE INTIGRATED WIRING) (ALLISON LCT) (7306)



CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L92C128	18	TN	1661875C1	1661872C1
B	L92#106	18	TN	1661875C1	1661872C1
C	L92#119	18	TN	1661875C1	1661872C1
D	L47C126	18	GY	1661875C1	1661872C1
E	L92#111	18	TN	1661875C1	1661872C1
F	L92#108	18	TN	1661875C1	1661872C1
G	L92#121	18	TN	1661875C1	1661872C1
H	L92#122	18	TN	1661875C1	1661872C1

CONNECTOR - 3525872C1
PLUG - 2025431C1
LOCK - 3525873C1

LCT TRANSMISSION BULKHEAD CONNECTOR (7350)

CONNECTOR - 3605714C1

CAV	CIR	GAUGE	COLOR	TERM
1	92#152	18	LT GN	3606047C1
2	92#133	18	YL	3606047C1
3	92#151	18	WH	3606047C1
4	92#117	18	LT BL	3606047C1
5	-	-	-	-
6	92#157	18	WH	3606047C1
7	92#179	18	PK	3606047C1
8	31#154	18	TN	3606047C1
9	92#158	18	LT GN	3606047C1
10	92#178	18	WH	3606047C1
11	92#177	18	LT GN	3606047C1
12	-	-	-	-
13	-	-	-	-
14	92#111	18	OR	3606047C1
15	92#155	18	WH	3606047C1
16	92#171	18	YL	3606047C1
17	92#136	18	OR	3606047C1
18	92#138	18	OR	3606047C1
19	92#174	18	LT BL	3606047C1
20	92#114	18	GY	3606047C1
21	92#153	18	YL	3606047C1
22	92#173	18	LT BL	3606047C1
23	92#134	18	WH	3606047C1
24	92#176	18	YL	3606047C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	21OCT05	ADDED 7350. RMVD:7500	F	59929F	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		,7502,7503,7600,7601.			RELEASE NO. P52778H / DATE 31MAY00	PART NO. AE08-52376 / SHEET 45

Figure 226 Connector Composites (7302), (7304), (7305), (7306), (7350)

12.53. CONNECTOR COMPOSITES (7500), (7502), (7503), (7600), (7601), P. 45A

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

BACK-UP LIGHT SWITCH (7500)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L71B	16	OR	1661875C1	1661872C1
A	K71D	16	OR	1661875C1	1661872C1
B	L71C	16	OR	1661875C1	1661872C1
B	L71E	16	OR	1661875C1	1661872C1

CONNECTOR - 1661778C1
PLUG - 1687788C1
LOCK - 1661874C1

BACK-UP LIGHT (7502)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L71	16	OR	1661875C1	1661872C1
B	L71A	16	OR	1661875C1	1661872C1

CONNECTOR - 1661778C1
PLUG - 1687788C1
LOCK - 1661874C1

BACK-UP LIGHT SWITCH (7503)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K71D	16	OR	1661875C1	1661872C1
B	K71E	16	OR	1661875C1	1661872C1

CONNECTOR - 1661778C1
PLUG - 1687788C1
LOCK - 1661874C1

THIS SPACE INTENTIONALLY
LEFT BLANK

OUTPUT SPEED SENSOR (7600)

CAV	CIR	GAUGE	COLOR	TERM
A	L47#215	18	GY	2036586C1
B	L47#216	18	GY	2036586C1

CONNECTOR - 2036583C1

SPEEDO SENSOR (7601)

CAV	CIR	GAUGE	COLOR	TERM
A	K47	18	GY	2036586C1
B	K47A	18	GY	2036586C1

CONNECTOR - 2036583C1

THIS SPACE INTENTIONALLY
LEFT BLANK

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
					U00KLH1	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. 59929F	DATE 13OCT05 · PART NO. AE08-52376 · SHEET 45A

Figure 227 Connector Composites (7500), (7502), (7503), (7600), (7601)

12.54. CONNECTOR COMPOSITES (7603), (7604), (7605), (7606), (7607), (7608), (7609), (7610), (7611), (7612), (7613), (7615), (7700), (7702), (7703), (7703A), P. 46

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

ENGINE SPEED SENSOR (7603)

CAV	CIR	GAUGE	COLOR	TERM
A	L48#141	18	GY	2036586C1
B	L48#150	18	GY	2036586C1

CONNECTOR - 2036583C1

ENGINE SPEED SENSOR(7604)

CAV	CIR	GAUGE	COLOR	TERM
A	L48#217	18	GY	2036586C1
B	L48#218	18	GY	2036586C1

CONNECTOR - 2036583C1

OUTPUT SPEED SENSOR (7605)

CAV	CIR	GAUGE	COLOR	TERM
A	L47#139	18	GY	2036586C1
B	L47#148	18	GY	2036586C1

CONNECTOR - 2036583C1

TRANSMISSION SPEEDO (7606)

CAV	CIR	GAUGE	COLOR	TERM
A	L47#139	18	GY	2036586C1
B	L47#148	18	GY	2036586C1

CONNECTOR - 2036583C1

TRANSMISSION SPEEDO (7607)

CAV	CIR	GAUGE	COLOR	TERM
A	L92#213	18	TN	2036586C1
B	L92#214	18	TN	2036586C1

CONNECTOR - 2036583C1

TRANSFER CASE SPEEDO (7608)

CAV	CIR	GAUGE	COLOR	TERM
A	L47N	16	GY	2036586C1
B	L47P	16	GY	2036586C1

CONNECTOR - 2036583C1

SPEED SENSOR (7609)

CAV	CIR	GAUGE	COLOR	TERM
A	L47	18	GY	2036586C1
B	L47A	18	GY	2036586C1

CONNECTOR - 2036583C1

TRANSFER CASE TO TRANSMISSION (7610)

(USED ONLY WHEN TRANSFER CASE AND ALLISON WTEC ARE PRESENT)

MATING CONNECTOR IS FEMALE SIDE OF CONNECTOR 7800.

CONNECTOR - 1687740C1
PLUG - 2025431C1
LOCK - 1687771C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	PLUG	-	-	-	-
B	PLUG	-	-	-	-
C	L92DJ	16	TN	1687742C1	1681872C1

TRANSFER CASE SPEEDO (7611)

CAV	CIR	GAUGE	COLOR	TERM
A	L47L	16	GY	2036586C1
B	L47M	16	GY	2036586C1

CONNECTOR - 2036583C1

EATON SPEEDO SENSOR (7612)

CAV	CIR	GAUGE	COLOR	TERM
A	K47R	16	GY	2036586C1
B	K47S	16	GY	2036586C1

CONNECTOR - 2036583C1

TRUCK SPEED SENSOR (7613)

CAV	CIR	GAUGE	COLOR	TERM
A	K47	18	GY	2036586C1
B	K47A	18	GY	2036586C1

CONNECTOR - 2036583C1

TURBINE SPEED SENSOR (7615)

CONNECTOR - 2002712C1

CAV	CIR	GAUGE	COLOR	TERM
A	L92C149	18	TN	1651943C1
B	L92C140	18	TN	1651943C1

TURBINE SPEED SENSOR (7615)

CAV	CIR	GAUGE	COLOR	TERM
A	MR92C149	18	TN	2036586C1
B	MR92C140	18	TN	2036586C1

CONNECTOR - 2036583C1

TRANSMISSION OIL TEMP SENSOR (7700)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	K31B	18	TN	3536865C1	3536868C1
2	K31GC1	18	TN	3536865C1	3536868C1

CONNECTOR - 3536864C1

TRANS OIL TEMP SENSOR (7702)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	K31F	18	TN	3536865C1	3536868C1
2	K31-GF	18	TN	3536865C1	3536868C1

CONNECTOR - 3536864C1

TRANS OIL TEMP SENSOR (7703)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	K31E	18	TN	3536865C1	3536868C1
2	K31-GE	18	TN	3536865C1	3536868C1

CONNECTOR - 3536864C1

TRANS OIL TEMP SENDER (7703A)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	K31D	16	TN	3536865C1	3536868C1
2	K31-GD	16	TN	3536865C1	3536868C1

CONNECTOR - 3536864C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JKP	23SEP04	ADDED 7615 (L CKTS).	E	59169P	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 31MAY00 PART NO. AE08-52376 SHEET 46

Figure 228 Connector Composites (7603), (7604), (7605), (7606), (7607), (7608), (7609), (7610), (7611), (7612), (7613), (7615), (7700), (7702), (7703), (7703A)

12.55. CONNECTOR COMPOSITES (7800), (7801M), (7801R), (7803), (7899), P. 47

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

ENG/TRANS CONNECTOR (7800)

CONNECTOR - 1667740C1
PLUG - 2025431C1
LOCK - 1667771C1

W/I6 ENGINES

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K47	18	GY	1667742C1	1661872C1
B	K47A	18	GY	1667742C1	1661872C1
C	K17E	18	VT	1667742C1	1661872C1

W/V8 ENGINES

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K47	18	GY	1667742C1	1661872C1
B	K47A	18	GY	1667742C1	1661872C1
C	K97AD	18	VT	1667742C1	1661872C1

CONNECTOR - 3522251C1
LOCK - 3522253C1
PLUG - 2025431C1
W/CAT C10, CAT C12, CUMMINS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K47	16	GY	1661875C1	1661872C1
B	K47A	16	GY	1661875C1	1661872C1
C	PLUG	-	-	-	-
D	K5U	18	YL	1661875C1	1661872C1
E	K5AE	18	GN	1661875C1	1661872C1

CONNECTOR - 3522252C1
LOCK - 3522253C1
W/EATON ULTRASHIFT

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L47	18	GY	1667742C1	1661872C1
B	L47A	18	GY	1667742C1	1661872C1
C	L17C	18	PK	1667742C1	1661872C1
D	L5C(+)	18	YL	1667742C1	1661872C1
E	L5C(-)	18	GN	1667742C1	1661872C1

CONNECTOR - 1667741C1
PLUG - 2025431C1
LOCK - 1667771C1

W/EATON AUTOSHIFT

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L47	18	GY	1661875C1	1661872C1
B	L47A	18	GY	1661875C1	1661872C1
C	L17C	18	PK	1661875C1	1661872C1

W/ALLISON WTEC (W/ & NOT W/RETARDER)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L47A157	18	GY	1661875C1	1661872C1
B	PLUG	-	-	-	-
C	L17A	18	PK	1661875C1	1661872C1

W/ALLISON WTEC W/AUTO NEUTRAL

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L47A157	18	GY	1661875C1	1661872C1
B	PLUG	-	-	-	-
C	L17B	18	PK	1661875C1	1661872C1

W/ALLISON LCT

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L47B126	18	GY	1661875C1	1661872C1
B	PLUG	-	-	-	-
C	L17E	18	PK	1661875C1	1661872C1

W/MANUAL TRANS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L47D	18	GY	1661875C1	1661872C1
B	L47E	18	GY	1661875C1	1661872C1
C	L17D	18	PK	1661875C1	1661872C1

TERMINATING RESISTOR (7801M)

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
A	K5C(+)	18	YL	1661875C1	3568570C1	
A	K5D(+)	18	YL	1661875C1	3568570C1	
A	K5C183	18	YL	1661875C1	3568570C1	
A	K5AE	18	GN	1661875C1	3568570C1	V-8ONLY
*B	K13Z	18	PK	1661875C1	1661872C1	
C	K5C(-)	18	GN	1661875C1	3568570C1	
C	K5D(-)	18	GN	1661875C1	3568570C1	
C	K5C184	18	GN	1661875C1	3568570C1	
C	K5U	18	YL	1661875C1	3568570C1	V-8ONLY

*I6 ONLY

CONNECTOR - 1667741C1
PLUG - 2025431C1
LOCK - 1667771C1

*INVERTER J1939 CONN (7801R)

*W/I6 ENGINES ONLY

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K59(+)	18	YL	1661875C1	3568570C1
B	K59(-)	18	GN	1661875C1	3568570C1

CONNECTOR - 1667741C1
PLUG - 2025431C1
LOCK - 1667771C1

ENG TO TRANSFER CASE HARNESS CONN (7803)

(USED ONLY WHEN TRANSFER CASE AND ALLISON WTEC ARE PRESENT)
MATING CONNECTOR IS MALE SIDE OF CONNECTOR 7800.

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	L47L	16	GY	1661875C1	1661872C1
B	L47M	16	GY	1661875C1	1661872C1
C	L92DJ	16	TN	1661875C1	1661872C1

CONNECTOR - 1667741C1
PLUG - 2025431C1
LOCK - 1667771C1

*INVERTER IGNITION (7899)

*W/I6 ENGINES ONLY

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K13Z	18	PK	0587576C1	

CONNECTOR - 0587566C1
PLUG - 0587579C1
LOCK - N/A

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	11APR05	ADDED *CAVB TO 7801M	G	50157D	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		ADDED 7801R,7899			RELEASE NO. P52778H	DATE 28JUN00 / PART NO. AE08-52376 / SHEET 47

Figure 229 Connector Composites (7800), (7801M), (7801R), (7803), (7899)

12.56. CONNECTOR COMPOSITES (7900), (7901), (7905), (7906), (7909), P. 48

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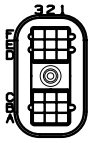
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

EATON AUTOSHIFT ECM (7900)



CONNECTOR - 2010376C1
PLUG - 1687788C1

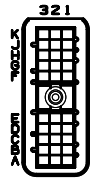
CAV	CIR	GAUGE	COLOR	TERM
A1	L92AC	16	TN	1651943C1
A2	PLUG	-	-	-
A3	L92AE	16	TN	1651943C1
B1	L92AD	16	TN	1651943C1
B2	PLUG	-	-	-
B3	L92AB	16	TN	1651943C1
C1	L5AX(+)	20	YL	1651943C1
C1	L92DS(+)	20	YL	1651943C1
C2	L5AX(-)	20	GN	1651943C1
C2	L92DT(-)	20	GN	1651943C1
C3	L5AX(S)	20	NONE	1651943C1
C3	L92DU(S)	20	NONE	1651943C1
D1	PLUG	-	-	-
D2	PLUG	-	-	-
D3	PLUG	-	-	-
E1	L92Z	16	TN	1651943C1
E2	L92AA	16	TN	1651943C1
E3	PLUG	-	-	-
F1	PLUG	-	-	-
F2	PLUG	-	-	-
F3	PLUG	-	-	-

EATON AUTOSHIFT ECM POWER (7901)

CONNECTOR - 3552915C1
PLUG - 1675451C1

CAV	CIR	GAUGE	COLOR	TERM
A	L11-GAM	12	WH	1661708C1
B	L14AW	12	RD	1661708C1

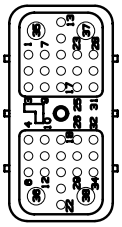
EATON AUTOSHIFT SELECTOR (7905)



CONNECTOR - 3537833C1
PLUG - 1687788C1

CAV	CIR	GAUGE	COLOR	TERM
A1	PLUG	-	-	-
A2	A17Q	18	PK	1651943C1
A3	A17-GB	16	WH	1651943C1
B1	PLUG	-	-	-
B2	A3T(+)	18	DK BL	1651943C1
B3	A82J	18	DK BL	1651943C1
C1	A92Y	16	TN	1651943C1
C2	A3T(-)	18	GY	1651943C1
C3	A17N	16	PK	1651943C1
C3	A92DW	16	TN	1651943C1
D1	PLUG	-	-	-
D2	PLUG	-	-	-
D3	PLUG	-	-	-
E1	A92T	16	TN	1651943C1
E2	A92S	16	TN	1651943C1
E3	A92U	16	TN	1651943C1
F1	A5AX(+)	20	YL	1651943C1
F2	A5AX(-)	20	GN	1651943C1
F3	A5AX(S)	20	WH	1651943C1
G1	A5AV(+)	20	YL	1651943C1
G2	A5AV(-)	20	GN	1651943C1
J1	A92AC	16	TN	1651943C1
J2	A92AD	16	TN	1651943C1
J3	A92AE	16	TN	1651943C1
K1	A92Z	16	TN	1651943C1
K2	A92AA	16	TN	1651943C1
K3	A92AB	16	TN	1651943C1

EATON AUTOSHIFT ECM (7909)



CONNECTOR - 3599542C1
PLUG - 0453133C1
PLUG - 3527278C1
COVER - 3818205C1

CAV	CIR	GAUGE	COLOR	TERM
1	PLUG	-	-	-
2	NL5C(-)	18	GN	3555249C1
2	EC5CB(-)	18	GN	3555249C1
3	NL5C(+)	18	YL	3555249C1
3	EC5CB(+)	18	YL	3555249C1
4	ND17K	18	PK	3555249C1
4	EA17-GA	16	WH	3555249C1
5	PLUG	-	-	-
6	PLUG	-	-	-
7	PLUG	-	-	-
8	PLUG	-	-	-
9	PLUG	-	-	-
10	ND3F(+)	18	DKBL	3555249C1
10	EA3E(+)	18	DKBL	3555249C1
11	ND3F(-)	18	DKBL	3555249C1
11	EA3E(-)	18	GY	3555249C1
12	PLUG	-	-	-
13	PLUG	-	-	-
14	PLUG	-	-	-
15	PLUG	-	-	-
16	PLUG	-	-	-
17	PLUG	-	-	-
18	PLUG	-	-	-
19	PLUG	-	-	-
20	PLUG	-	-	-
21	PLUG	-	-	-
22	PLUG	-	-	-
23	PLUG	-	-	-
24	PLUG			
25	ND92AE	16	TN	3555249C1
25	EA92EL	16	TN	3555249C1
26	ND17J	18	PK	3555249C1
26	EA17EM	16	PK	3555249C1
27	ND92(-)	18	GN	3555249C1
27	EA98GN4-	18	GN	3555249C1
28	ND92(+)	18	YL	3555249C1
28	EA98YL4+	18	YL	3555249C1
29	PLUG	-	-	-
30	PLUG	-	-	-
31	ND92YB	16	TN	3555249C1
31	EA92ER	16	TN	3555249C1
32	ND17L	18	PK	3555249C1
32	EA17EA	16	PK	3555249C1
33	PLUG	-	-	-
34	PLUG	-	-	-
35	ND13D	12	PK	3557534C1
35	EA92ET	12	TN	3557534C1
36	ND11-GAM	12	WH	3557534C1
36	EA11-GAM	12	WH	3557534C1
37	PLUG	-	-	-
38	ND14AW	12	RD	3557534C1
38	EA14AW	12	RD	3557534C1

AUTOSHIFT DISPLAY (7906)

CONNECTOR - 3512117C1

CAV	CIR	GAUGE	COLOR	TERM
1	A92R	16	TN	1661539C1
2	A92S	16	TN	1661539C1
3	A92T	16	TN	1661539C1
4	A92U	16	TN	1661539C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JW	8CT05	ADDED 7905,7906,7909	F	59822S	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 28JUN00 · PART NO. AE08-52376 · SHEET 48

Figure 230 Connector Composites (7900), (7901), (7905), (7906), (7909)

12.57. CONNECTOR COMPOSITES (8000), (8001), (8102), (8150), (8151), (8200), P. 49

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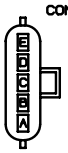
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

RIGHT HEADLIGHT T/S HARNESS CONN(8000)



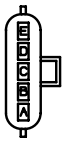
CONNECTOR - 1661375C2
PLUG - 0587579C1
LOCK - 1661376C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M52D	14	YL	2033816C1	0589391C1
B	M11-GA	14	WH	2033816C1	0589391C1
C	M53B	14	YL	2033816C1	0589391C1
• D	M57B	16	OR	2033819C1	1652325C1
E	M58D	14	BN	2033816C1	0589391C1

• - FOR SINGLE HORN W/SNOW PLOW LIGHTS, CIRCUIT NUMBER IS M57C.

LEFT HEADLIGHT T/S HARNESS CONN(8001)

CONNECTOR - 1661375C2
PLUG - 0587579C1
LOCK - 1661376C1



CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M52C	14	YL	2033816C1	0589391C1
• B	M11-GB	14	WH	2033816C1	0589391C1
C	M53A	14	YL	2033816C1	0589391C1
•• D	M56B	16	OR	2033819C1	1652325C1
E	M58C	14	BN	2033816C1	0589391C1

• - FOR SINGLE HORN W/SNOW PLOW LIGHTS, CIRCUIT NUMBER IS M11-GF.

•• - FOR SINGLE HORN W/ SNOW PLOW LIGHT, CIRCUIT NUMBER IS M56C

SNOW PLOW HARNESS CONN (8102)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M64H1	14	YL	3535486C1	0589391C1
B	M11-GE	14	WH	3535486C1	0589391C1
C	M64LO	14	YL	3535486C1	0589391C1
D	M56D	16	YL	2039343C1	1652325C1
E	M58F	14	BN	3535486C1	0589391C1
F	M57D	16	LT GN	2039343C1	1652325C1

CONNECTOR - 2039311C91
PLUG - 0587579C1
LOCK - 2039342C1

LEFT GUIDE POST LIGHT (8150)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M58H	16	BN	1661875C1	1661872C1
B	M58-GA	16	WH	1661875C1	1661872C1

CONNECTOR - 1661778C1
PLUG - 1687788C1
LOCK - 1661874C1

RIGHT GUIDE POST LIGHT (8151)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M58J	16	BN	1661875C1	1661872C1
B	M58-GB	16	WH	1661875C1	1661872C1

CONNECTOR - 1661778C1
PLUG - 1687788C1
LOCK - 1661874C1

RIGHT FOGLIGHT (8200)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M64A	16	YL	0587577C1	1652325C1
B	M64-GB	16	WH	0587577C1	1652325C1

CONNECTOR - 0587567C91
PLUG - 0587579C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JKP	17OCT05	REMOVED 7905, 7906	D	59822S	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. P52778H	DATE 31MAY00 · PART NO. AE08-52376 · SHEET 49

Figure 231 Connector Composites (8000), (8001), (8102), (8150), (8151), (8200)

12.58. CONNECTOR COMPOSITES (8201), (8301), (8310), (8311), (8312), (8400), (8500), (8501), (8502), (8502A), P. 50

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

LEFT FOGLIGHT (8201)

CONNECTOR - 0587587C91
PLUG - 0587579C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M84B	16	YL	0587577C1	1652325C1
B	M84-GA	16	WH	0587577C1	1652325C1

ELECTRIC HORN (8301)

CONNECTOR - 1661778C1
PLUG - 1687788C1
LOCK - 1661874C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M85E	16	GY	1661875C1	1661872C1
B	M85-GA	16	WH	1661875C1	1661872C1

DUAL ELECTRIC HORNS (8310)

CONNECTOR - 3543888C1
PLUG - 2025431C1
LOCK - 1661874C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M85J	16	GY	1667742C1	1661872C1
B	M85-GC	16	WH	1667742C1	1661872C1

ELECTRIC HORN #1 (8311)

CONNECTOR - 1661778C1
PLUG - 1687788C1
LOCK - 1661874C1

W/SINGLE HORN

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M85J	16	GY	1661875C1	1661872C1
B	M85-GC	16	WH	1661875C1	1661872C1

W/DUAL HORNS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M85K	16	GY	1661875C1	1661872C1
B	M85-GD	16	WH	1661875C1	1661872C1

ELECTRIC HORN #2 (8312)

CONNECTOR - 1661778C1
PLUG - 1687788C1
LOCK - 1661874C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M85L	16	GY	1661875C1	1661872C1
B	M85-GE	16	WH	1661875C1	1661872C1

ETHER START (8400)

CONNECTOR - 0587568C91
PLUG - 0587579C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M21D	18	TN	0587576C1	1652325C1
B	M21C	18	TN	0587576C1	1652325C1

BENDIX LEFT ABS MODULATOR (8500)

CONNECTOR - 1686834C1
PLUG - 0587579C1
LOCK - 1664408C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M94	18	GY	2033819C1	1652325C1
B	M94A	18	GY	2033819C1	1652325C1
C	M94B	18	GY	2033819C1	1652325C1

BENDIX RIGHT ABS MODULATOR (8501)

CONNECTOR - 1686834C1
PLUG - 0587579C1
LOCK - 1664408C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M94H	18	GY	2033819C1	1652325C1
B	M94J	18	GY	2033819C1	1652325C1
C	M94K	18	GY	2033819C1	1652325C1

LEFT HYD ABS WHEEL SENSOR (8502)

PURCHACED ASSEMBLY P/N 3519878C1

CAV	CIR	GAUGE	COLOR	TERM
1	[M94L]	18	BK	ASSY
2	[M94M]	18	BN	ASSY

BENDIX LEFT AIR ABS WHEEL SENSOR (8502A)

CONNECTOR - 1684261C1
PLUG - 0453133C1
LOCK - 1684263C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94C	18	GY	1680205C1
2	M94D	18	GY	1680205C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	11APR05	REMOVED 8503-8602	C	50157D	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		ADDED 8201-8502A.			RELEASE NO. P52778H	DATE 31MAY00 · PART NO. AE08-52376 · SHEET 50

Figure 232 Connector Composites (8201), (8301), (8310), (8311), (8312), (8400), (8500), (8501), (8502), (8502A)

12.59. CONNECTOR COMPOSITES (8503), (8503A), (8505), (8506), (8507), (8508), (8509), (8600), (8601), (8602), P. 51

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

RIGHT HYD ABS WHEEL SENSOR (8503)

PURCHACED ASSEMBLY P/N 3519878C1

CAV	CIR	GAUGE	COLOR	TERM
1	[M94N]	18	BK	ASSY
2	[M94P]	18	BN	ASSY

BENDIX RIGHT AIR ABS WHEEL SENSOR (8503A)

CONNECTOR - 1684261C1
PLUG - 0453133C1
LOCK - 1684263C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94E	18	GY	1680205C1
2	M94F	18	GY	1680205C1

AIR COMPRESSOR FOR HYD BRAKES (8505)

CONNECTOR - 1678137C1

CAV	CIR	GAUGE	COLOR	TERM
A	M9	18	GY	1851943C1
B	M6	18	GY	1851943C1
C	M40	18	GY	1851943C1

WABCO LEFT FRONT AIR ABS WHEEL SPEED SENSOR (8506)

PURCHACED ASSEMBLY P/N 3519878C1

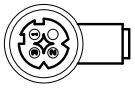
CAV	CIR	GAUGE	COLOR	TERM
1	M94AC	18	BN	ASSY
2	M94AD	18	BK	ASSY

WABCO RIGHT FRONT AIR ABS WHEEL SPEED SENSOR (8507)

PURCHACED ASSEMBLY P/N 3519888C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94AE	18	BN	ASSY
2	M94AF	18	BK	ASSY

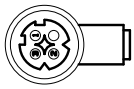
WABCO LEFT FRONT AIR ABS MODULATOR (8508)



PURCHACED ASSEMBLY P/N 3554539C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94AL	14	BL	ASSY
2	M94AA	14	GN	ASSY
3	M94AB	14	BN	ASSY

WABCO RIGHT FRONT AIR ABS MODULATOR (8509)



PURCHACED ASSEMBLY P/N 3554539C1

CAV	CIR	GAUGE	COLOR	TERM
1	M94AH	14	BL	ASSY
2	M94AJ	14	GN	ASSY
3	M94AK	14	BN	ASSY

RADIATOR GROUND (8600)

CONNECTOR - 0587568C91
PLUG - 0587579C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M11-6C	12	WH	1673747C1	0589390C1

TEMP SENDER (8601)

CONNECTOR - 3522068C1
PLUG - 1687788C1
LOCK - 1681874C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M41	18	GY	1681875C1	1681872C1
B	M41A	18	GY	1681875C1	1681872C1

A/C TRANSDUCER (8602)

CONNECTOR - 1678137C1

CAV	CIR	GAUGE	COLOR	TERM
A	M9	20	GY	1851943C1
B	M6	20	GY	1851943C1
C	M77	20	LT GN	1851943C1

CHK	DATE	CHANGE	REV	REFERENCE
CNA	11APR05	REMOVED 8700-8805	E	50157D
		ADDED 8503-8602		

DRAWN	NAME
U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS

RELEASE NO.	DATE	PART NO.	SHEET
P52778H	31MAY00	AE08-52376	51

Figure 233 Connector Composites (8503), (8503A), (8505), (8506), (8507), (8508), (8509), (8600), (8601), (8602)

12.60. CONNECTOR COMPOSITES (8700), (8701), (8800), (8801), (8802), (8803), (8805), P. 52

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

LEFT HEATED MIRROR FWD HOOD MTD (8700)

CONNECTOR - 1671610C1
PLUG - 0587579C1
LOCK - 1671608C1

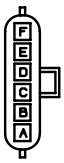
CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M78J	16	LT GN	2033819C1	1652325C1
B	M78-G	18	WH	2033819C1	1652325C1

RIGHT HEATED MIRROR FWD HOOD MTD (8701)

CONNECTOR - 1671610C1
PLUG - 0587579C1
LOCK - 1671608C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M78K	16	LT GN	2033819C1	1652325C1
B	M78-GA	18	WH	2033819C1	1652325C1

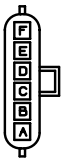
GROUND ADAPTER #1 (8800)



CONNECTOR - 3551898C1
PLUG - 0587579C1
LOCK - 3551897C1
COVER - 3551792C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M11-G	12	WH	2033816C1	0589390C1
B	M11-GB	14	WH	2033816C1	0589391C1
C	M58-GA	16	WH	2033819C1	1652325C1
D	M11-GC	12	WH	2033816C1	0589390C1
E	M78-G	18	WH	2033819C1	1652325C1
F	M11-GD	12	WH	2033816C1	0589390C1

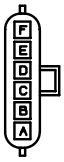
GROUND ADAPTER #2 (8801)



CONNECTOR - 3551898C1
PLUG - 0587579C1
LOCK - 3551897C1
COVER - 3551792C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	M11-GD	12	WH	2033816C1	0589390C1
B	M11-GA	14	WH	2033816C1	0589391C1
C	M58-GB	16	WH	2033819C1	1652325C1
D	M85-GA	16	WH	2033819C1	1652325C1
E	M78-GA	18	WH	2033819C1	1652325C1
F	M64-G	16	WH	2033819C1	1652325C1

ISOLATED GND SPLICE PACK (8802)



CONNECTOR - 3551898C1
PLUG - 0587579C1
LOCK - 3551897C1
COVER - 3551792C1

	CAV	CIR	GAUGE	COLOR	TERM	SEAL
	A	N9	18	GY	2033819C1	1652325C1
•	B	N9A	18	GY	2033819C1	1652325C1
	C	N9B	18	GY	2033819C1	1652325C1
	D	N44-GB	18	WH	2033819C1	1652325C1
	E	N9F	18	GY	2033819C1	1652325C1
••	F	N9F	18	GY	2033819C1	1652325C1

• - FOR AF MTD FUEL TANK, CIRCUIT NUMBER IS N9G.

•• - FOR RR AXLE TEMP, CIRCUIT NUMBER IS N9H.

CHASSIS GND SPLICE PACK (8803)

CONNECTOR - 3551898C1
PLUG - 0587579C1
LOCK - 3551897C1
COVER - 3551792C1

	CAV	CIR	GAUGE	COLOR	TERM	SEAL
	A	N10-G	14	WH	2033816C1	0589391C1
	B	N10-GA	12	WH	2033816C1	0589390C1
•	C	N39-G	18	WH	2033819C1	1652325C1
••	D	N39-GB	16	WH	2033819C1	1652325C1
	E	N49-G	18	WH	2033819C1	1652325C1
	F	N10-GF	16	WH	2033819C1	1652325C1

• - FOR RIGHT SIDE MTD DRAIN VALVE, CIRCUIT NUMBER IS N39-GA.

•• - FOR RIGHT SIDE MTD AIR DRYER, CIRCUIT NUMBER IS N39-GC

HOOD SWITCH (8805)

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL
A	M104CC	18	DKBL	0587576C1	1652325C1
B	M104CB	18	DKBL	0587576C1	1652325C1

CONNECTOR - 0587568C1

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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	11APR05	REMOVED 9001-9255	E	50157D	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		ADDED 8700-8805			RELEASE NO. P52778H	DATE 31MAY00 · PART NO. AE08-52376 · SHEET 52

Figure 234 Connector Composites (8700), (8701), (8800), (8801), (8802), (8803), (8805)

12.61. CONNECTOR COMPOSITES (9001), (9002), (9100), (9101), (9102), (9103), (9104), (9254), (9255), P. 53

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

LEFT SIDE HEATED DRAIN (9001)

CONNECTOR - 1661778C1
PLUG - 1687789C1
LOCK - 1661874C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N39	18	GY	1661875C1	1661872C1
B	N39-G	18	WH	1661875C1	1661872C1

RIGHT SIDE HEATED DRAIN (9002)

CONNECTOR - 1661778C1
PLUG - 1687789C1
LOCK - 1661874C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N39A	18	GY	1661875C1	1661872C1
B	N39-GA	18	WH	1661875C1	1661872C1

LEFT FUEL SENDER (9100)

CONNECTOR - 1661778C1
PLUG - 1687789C1
LOCK - 1661874C1

	CAV	CIR	GAUGE	COLOR	TERM	SEAL
*	A	N36	18	TN	1661875C1	1661872C1
**	B	N9A	18	GY	1661875C1	1661872C1

* - FOR DUAL MTD FUEL TANKS, CIRCUIT NUMBER IS N36E.
** - FOR AF MTD FUEL TANK, CIRCUIT NUMBER IS N9D.

RIGHT FUEL SENDER (9101)

CONNECTOR - 1661778C1
PLUG - 1687789C1
LOCK - 1661874C1

	CAV	CIR	GAUGE	COLOR	TERM	SEAL
*	A	N36A	18	TN	1661875C1	1661872C1
	B	N9B	18	GY	1661875C1	1661872C1

* - FOR DUAL MTD FUEL TANKS, CIRCUIT NUMBER IS N36C.

FUEL TRANSFER PUMP (9102)

CONNECTOR - 3522088C1
LOCK - 1661874C1

CAV	CIR	GAUGE	COLOR	TERM
A	N37-G	18	WH	1661875C1
B	N37D	18	TN	1661875C1
B	N37	18	TN	1661875C1

RIGHT SIDE FUEL SENDER (9103)

CONNECTOR - 1661778C1
PLUG - 1661874C1
LOCK - 2025431C1

CAV	CIR	GA	COLOR	TERM	SEAL
A	N36	18	TN	1661875C1	1661872C1
B	N9R	18	GY	1661875C1	1661872C1

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FUEL TRANSFER PUMP INTERCONNECT (9104)

CONNECTOR - 0587568C91
PLUG - 0587579C1
LOCK - N/A

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N37D	18	TN	0587576C1	1652325C1
B	N36B	18	TN	0587576C1	1652325C1

ENG ECM FEED FUSE CONN (9254)

CONNECTOR - 1667639C1
PLUG - 1675451C1

CAV	CIR	GAUGE	COLOR	TERM
A	N14AY	10	RD	1661708C1
B	N14BA	10	RD	1661708C1

TRANS ECU FEED FUSE CONN (9255)

CONNECTOR - 1667639C1
PLUG - 1675451C1

CAV	CIR	GAUGE	COLOR	TERM
A	N14AZ	10	RD	1661708C1
B	N14BB	10	RD	1661708C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	11APR05	REMOVED 9260-9263	D	50157D	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		ADDED 9001-9255			RELEASE NO. P52778H	DATE 28JUN00 · PART NO. AE08-52376 · SHEET 53

Figure 235 Connector Composites (9001), (9002), (9100), (9101), (9102), (9103), (9104), (9254), (9255)

12.62. CONNECTOR COMPOSITES (9260), (9261), (9262), (9263), P. 54

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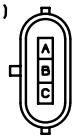
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

BATT ECM NEGATIVE CONN (9260) (V8 ONLY)

CONNECTOR - 1687733C1
PLUG - 1675451C1
LOCK - 1687734C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	PLUG	-	-	-	-
B	N92-GA	10	WH	1687737C1	1687735C1
C	N97-G	10	WH	1687737C1	1687735C1



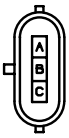
CONNECTOR - 1687732C1
PLUG - 1675451C1
LOCK - 1687734C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	PLUG	-	-	-	-
B	N14-GA	10	WH	2025425C1	1687735C1
C	N14-G	10	WH	2025425C1	1687735C1

BATT ECM POSITIVE CONN (9261) (V8 ONLY)

CONNECTOR - 1687733C1
PLUG - 1675451C1
LOCK - 1687734C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N14BA	10	RD	1687737C1	1687735C1
B	N14BB	10	RD	1687737C1	1687735C1
C	PLUG	-	-	-	-



CONNECTOR - 1687732C1
PLUG - 1675451C1
LOCK - 1687734C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N97AA	10	RD	2025425C1	1687735C1
B	N92A	10	RD	2025425C1	1687735C1
C	PLUG	-	-	-	-

BATT ECM NEGATIVE CONN (9260)

CONNECTOR - 2031522C1
PLUG - 2025432C1
LOCK - 2033927C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N97-G	10	WH	2031531C1	2025426C1
B	N92-G	10	WH	2031531C1	2025426C1

CONNECTOR - 2031520C1
PLUG - 2025432C1
LOCK - 2033927C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N14-G	10	WH	2025423C1	2025426C1
B	N14-GA	10	WH	2025423C1	2025426C1

BATT ECM POSITIVE CONN (9261)

CONNECTOR - 2031522C1
PLUG - 2025432C1
LOCK - 2033927C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N14BA	10	RD	2031531C1	2025426C1
B	N14BB	10	RD	2031531C1	2025426C1

CONNECTOR - 2031520C1
PLUG - 2025432C1
LOCK - 2033927C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N97AA	10	RD	2025423C1	2025426C1
B	N92A	10	RD	2025423C1	2025426C1

AMMETER (9262)
(LOCATED AT BATTERY)

BATTERY HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N26B	14	TN	2033816C1	589391C1

CONNECTOR - 1664531C1
LOCK - 1675053C1

BATTERY INTERCONNECT

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N26B	10	TN	1687848C1	589390C1

CONNECTOR - 1669834C1
LOCK - 1675053C1

2-WAY RADIO NEGATIVE CONNECTION (9263)
(LOCATED IN BATTERY BOX)

BATTERY CABLE

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N14-GD	10	WH	1687847C1	589390C1

CONNECTOR - 1664531C1
LOCK - 1675053C1

BATTERY HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N14-GD	10	WH	1687848C1	589390C1

CONNECTOR - 1669834C1
LOCK - 1675053C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	11APR05	REMOVED 9264-9506	E	50157D	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		ADDDED 9260-9263			RELEASE NO. P52778H	DATE 28JUN00 — PART NO. AE08-52376 — SHEET 54

Figure 236 Connector Composites (9260), (9261), (9262), (9263)

12.63. CONNECTOR COMPOSITES , (9264), (9265), (9303A), (9405), (9501), (9502), (9503), (9504), (9505), (9506), P. 55

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

2-WAY RADIO POSITIVE CONNECTION (9264)

(LOCATED IN BATTERY BOX)

BATTERY HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N14HC	10	RD	1687847C1	589390C1

CONNECTOR - 1684531C1
LOCK - 1675053C1

BATTERY CABLE

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N14HC	10	RD	1687848C1	589390C1

CONNECTOR - 1689834C1
LOCK - 1675053C1

STOP TAIL AND TURN (9303A)

CONNECTOR - 1861375C2
PLUG - 0587579C1
LOCK - 1861376C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	R71	14	OR	2033816C1	0589391C1
B	R56	14	OR	2033816C1	0589391C1
C	R57	14	OR	2033816C1	0589391C1
D	R68	14	BN	2033816C1	0589391C1
E	R10-G	12	WH	2033816C1	0589391C1

2-WAY RADIO FEED FUSE CONNECTOR (9265)

(LOCATED IN BATTERY BOX)

CONNECTOR - 3512987C1
PLUG - 453133C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N14HB	10	RD	1661708C1	N/A
B	N14HC	10	RD	1661708C1	N/A

TRAILER SOCKET (9405)

CONNECTOR - 1883570C1
BOOT - 0481849C1
GASKET - 1888090C1

CAV	CIR	GAUGE	COLOR	TERM
BK	N58C	10	BK	INCLUDED
BL	N72	12	DK BL	INCLUDED
BN	N68C	10	BN	INCLUDED
GN	N57C	10	LT GN	INCLUDED
RD	N70C	10	RD	INCLUDED
WH	N10C	8	WH	INCLUDED
YL	N56C	10	YL	INCLUDED

LEFT WHEEL SPEED SENSOR (9501)

CONNECTOR - 1684261C1
PLUG - 0453133C1
LOCK - 1684263C1

CAV	CIR	GAUGE	COLOR	TERM
1	R94A	16	GY	1680205C1
2	R94B	16	OR	1680205C1

LEFT MODULATOR (9502)

CONNECTOR - 1888834C1
PLUG - 0587579C1
LOCK - 1884408C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	R94E	16	BK	2033819C1	1652325C1
B	R94F	16	RD	2033819C1	1652325C1
C	R94H	16	BN	2033819C1	1652325C1

RIGHT WHEEL SPEED SENSOR (9503)

CONNECTOR - 1684261C1
PLUG - 0453133C1
LOCK - 1684263C1

CAV	CIR	GAUGE	COLOR	TERM
1	R94C	16	DK BL	1680205C1
2	R94D	16	YL	1680205C1

RIGHT MODULATOR (9504)

CONNECTOR - 1888834C1
PLUG - 0587579C1
LOCK - 1884408C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	R94J	16	PL	2033819C1	1652325C1
B	R94K	16	LT GN	2033819C1	1652325C1
C	R94L	16	LT BL	2033819C1	1652325C1

RIGHT REAR WHEEL SPEED SENSOR (9505)

PURCHASED ASSEMBLY 3519878C1

CAV	CIR	GAUGE	COLOR	TERM
1	[R94P]	18	BK	ASSY
2	[R94R]	18	BN	ASSY

LEFT REAR WHEEL SPEED SENSOR (9506)

PURCHASED ASSEMBLY 3519878C1

CAV	CIR	GAUGE	COLOR	TERM
1	[R94M]	18	BK	ASSY
2	[R94N]	18	BN	ASSY

CHK	DATE	CHANGE	REV	REFERENCE
CNA	15APR05	REMOVED 9507-9515	E	50157D
		ADDED 9264-9506		

DRAWN U00EDL2 — NAME 42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
RELEASE NO. P52778H — DATE 28JUN00 — PART NO. AE08-52376 — SHEET 55

Figure 237 Connector Composites , (9264), (9265), (9303A), (9405), (9501), (9502), (9503), (9504), (9505), (9506)

12.64. CONNECTOR COMPOSITES (9507), (9508), (9509), (9510), (9511), (9512), (9513), (9514), (9515), P. 56

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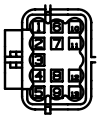
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

MODULATOR (9507)



CONNECTOR - 3536987C1
PLUG - 3536991C1
LOCK - 3536988C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	N94AP	16	BL	3536989C1	3536990C1
2	N94AF	16	GY	3536989C1	3536990C1
3	PLUG	-	-	-	-
4	N94AE	16	LT BL	3536989C1	3536990C1
5	N94AR	16	VT	3536989C1	3536990C1
6	PLUG	-	-	-	-
7	PLUG	-	-	-	-
8	N94Z	16	BK	3536989C1	3536990C1
9	PLUG	-	-	-	-
10	N94AJ	16	YL	3536989C1	3536990C1
11	N94AH	16	GY	3536989C1	3536990C1
12	N94AC	16	BN	3536989C1	3536990C1
13	N94AS	16	TN	3536989C1	3536990C1

MODULATOR GROUND (9508)

CONNECTOR - 3537133C1

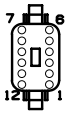
CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N94-GB	10	GY	3537134C1	3561862C1

PUMP ASSY (9509)

CONNECTOR - 3537138C1

CAV	CIR	GAUGE	COLOR	TERM
A	N94M	12	GY	3537138C1
B	N94-GA	12	GY	3537138C1

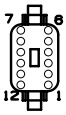
WABCO HYD ABS ECU BLACK CONN (9510)



CONNECTOR - 1689500C1
PLUG - 0453133C1
LOCK - 1689428C1

CAV	CIR	GAUGE	COLOR	TERM
1	N3A(-)	18	GY	1680205C1
2	N94T	18	GY	1680205C1
3	N94S	14	GY	2034787C1
4	N94AV	18	GY	1680205C1
5	PLUG	-	-	-
6	N94Y	18	GY	1680205C1
7	N94AD	18	GY	1680205C1
8	N94V	18	GY	1680205C1
9	N94-G	14	GY	2034787C1
10	N94W	18	GY	1680205C1
11	N94U	14	GY	2034787C1
12	N3A(+)	18	DK BL	1680205C1

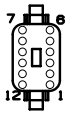
WABCO HYD ABS ECU GRAY CONN (9511)



CONNECTOR - 1689427C1
PLUG - 0453133C1
LOCK - 1689428C1

CAV	CIR	GAUGE	COLOR	TERM
1	PLUG	-	-	-
2	N94Z	18	BK	1680205C1
3	N94AC	16	BN	1680205C1
4	N94AE	16	LT BL	1680205C1
5	N94AF	16	GY	1680205C1
6	N94AH	16	GY	1680205C1
7	N94AJ	16	YL	1680205C1
8	N94AP	16	BL	1680205C1
9	N94AR	16	VT	1680205C1
10	N94AS	16	TN	1680205C1
11	PLUG	-	-	-
12	PLUG	-	-	-

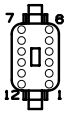
WABCO HYD ABS ECU GREEN CONN (9512)



CONNECTOR - 3519423C1
PLUG - 0453133C1
LOCK - 1689428C1

CAV	CIR	GAUGE	COLOR	TERM
1	PLUG	-	-	-
2	PLUG	-	-	-
3	N94AA	16	GY	1680205C1
4	N94AT	16	DK BL	1680205C1
5	N94AM	16	GY	1680205C1
6	N94AK	16	DK BL	1680205C1
7	N94AL	16	YL	1680205C1
8	N94AN	16	OR	1680205C1
9	N94AU	16	YL	1680205C1
10	N94AB	16	OR	1680205C1
11	PLUG	-	-	-
12	PLUG	-	-	-

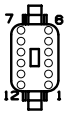
WABCO AIR ABS ECU GRAY CONN (9513)



CONNECTOR - 1689427C1
PLUG - 0453133C1
LOCK - 1689428C1

CAV	CIR	GAUGE	COLOR	TERM
1	N94AA	14	PK	2034787C1
2	N94AB	14	PK	2034787C1
3	N94ATC	16	GY	1680205C1
4	N94AC(+)	18	GY	1680205C1
5	PLUG	-	-	-
6	N94AE(-)	18	GN	1680205C1
7	N94AE(+)	18	YL	1680205C1
8	PLUG	-	-	-
9	N94AC(-)	18	GY	1680205C1
10	N94AW	16	GY	1680205C1
11	N94A-G1	14	WH	2034787C1
12	N94A-G2	14	WH	2034787C1

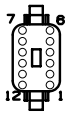
WABCO AIR ABS ECU BLACK CONN (9514)



CONNECTOR - 1689500C1
PLUG - 0453133C1
LOCK - 1689428C1

CAV	CIR	GAUGE	COLOR	TERM
1	PLUG	-	-	-
2	N94WA	18	GY	1680205C1
3	N94WD	18	GY	1680205C1
4	N94WE	18	GY	1680205C1
5	N94WG	18	GY	1680205C1
6	N94WH	18	GY	1680205C1
7	N94WJ	18	GY	1680205C1
8	N94WK	18	GY	1680205C1
9	N94-G3	18	WH	1680205C1
10	N94WB	18	GY	1680205C1
11	N94-G4	18	WH	1680205C1
12	PLUG	-	-	-

WABCO AIR ABS ECU GREEN CONN (9515)



CONNECTOR - 3519423C1
PLUG - 0453133C1
LOCK - 1689428C1

CAV	CIR	GAUGE	COLOR	TERM
1	N94WL	16	GY	1680205C1
2	N94WM	16	GY	1680205C1
3	N94WS	16	GY	1680205C1
4	N94WT	16	GY	1680205C1
5	PLUG	-	-	-
6	PLUG	-	-	-
7	N94WU	16	GY	1680205C1
8	N94-G6	16	WH	1680205C1
9	N94WW	16	GY	1680205C1
10	N94WN	16	GY	1680205C1
11	N94-G7	16	WH	1680205C1
12	N94WR	16	GY	1680205C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	11APR05	REWORKED 95N0419	D	50157D	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		ADDED 9507-9515			RELEASE NO. P52778H / DATE 31MAY00	PART NO. AE08-52376 / SHEET 56

Figure 238 Connector Composites (9507), (9508), (9509), (9510), (9511), (9512), (9513), (9514), (9515)

12.65. CONNECTOR COMPOSITES (9516), (9517), (9518), (9519), P. 57

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

WABCO LEFT REAR AIR
ABS WHEEL SPEED SENSOR
(9516)

PURCHASED ASSEMBLY P/N 3519878C1

CAV	CIR	GAUGE	COLOR
1	R94AWL	18	GY
2	R94AWM	18	GY

WABCO RIGHT REAR AIR
ABS WHEEL SPEED SENSOR
(9517)

PURCHASED ASSEMBLY P/N 3519878C1

CAV	CIR	GAUGE	COLOR
1	R94AWS	18	GY
2	R94AWT	18	GY

WABCO LEFT REAR AIR
ABS MODULATOR
(9518)

CONNECTOR: 3519879C1

CAV	CIR	GAUGE	COLOR
1	R94A-G7	18	GN
2	R94AWN	18	BK
3	R94AWR	18	BN

WABCO RIGHT REAR AIR
ABS MODULATOR
(9519)

CONNECTOR: 3519879C1

CAV	CIR	GAUGE	COLOR
1	R94A-G6	18	GN
2	R94AWH	18	BK
3	R94AWW	18	BN

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	11APR05	REMOVED 9700 CONNS	C	50157D	U00DAG9	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		ADDED 9516-9519			RELEASE NO. P52778H	DATE 28JUN00 · PART NO. AE08-52376 · SHEET 57

Figure 239 Connector Composites (9516), (9517), (9518), (9519)

12.66. CONNECTOR COMPOSITE (9700), P. 58

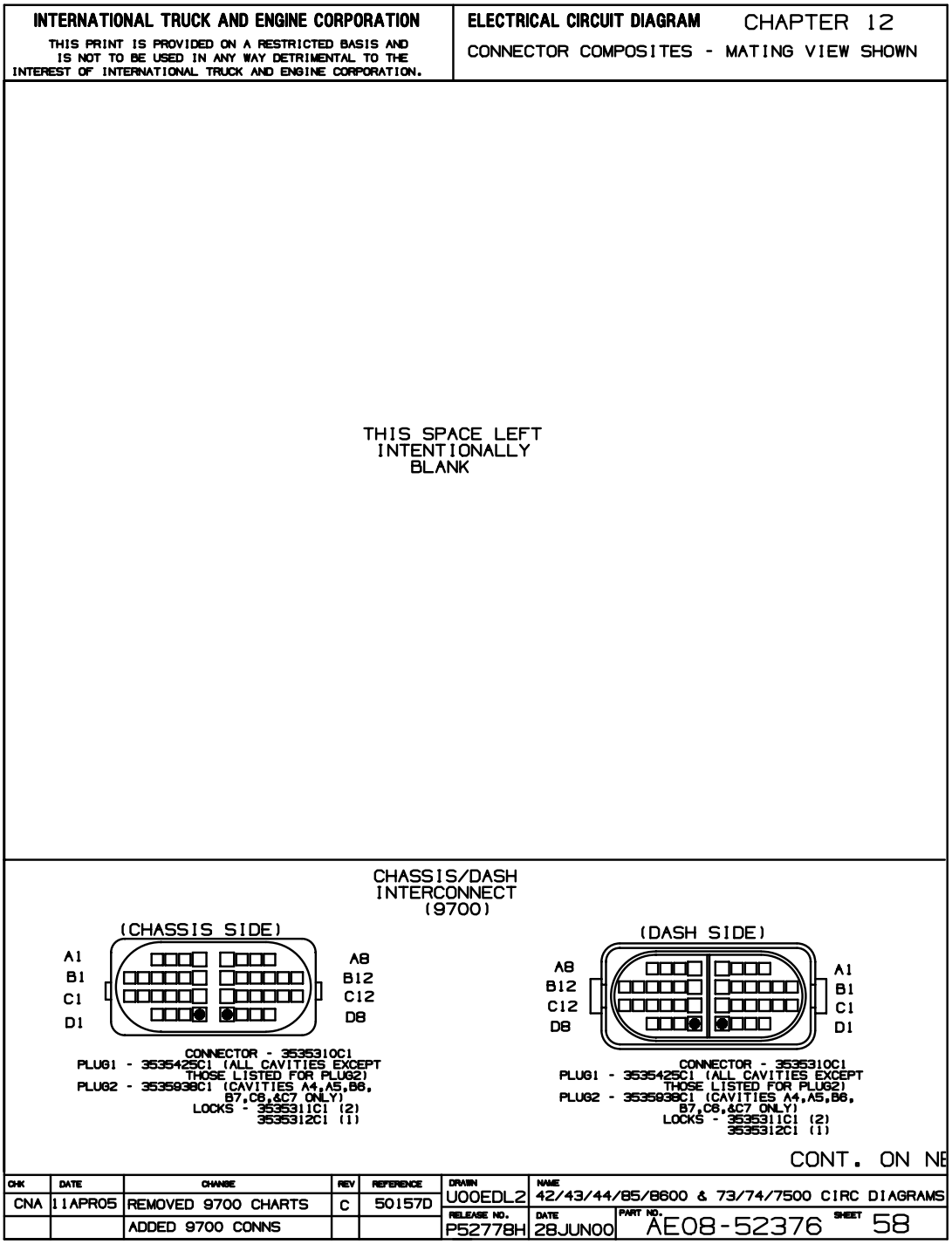

Figure 240 Connector Composite (9700)

12.67. CONNECTOR COMPOSITE (9700), P. 59

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

(CHASSIS SIDE)

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
A1	N32A	18	TN	3535305C1	3535424C1	
A1	N104CA	16	DK BL	3535305C1	3535424C1	W/REMOTE START/STOP
A2	N32	18	TN	3535305C1	3535424C1	
A2	N59CA	16	GY	3535305C1	3535424C1	W/REMOTE START/STOP
A3	N94A	16	GY	3535305C1	3535424C1	W/AIR ABS
A3	N94AM	16	GY	3535305C1	3535424C1	W/HYD ABS
A3	N94WJ	18	GY	3535305C1	3535310C1	W/WABCO AIR
A4	N71	14	OR	3535934C1	3535937C1	
A5	N56	14	OR	3535934C1	3535937C1	
A6	N94B	16	OR	3535305C1	3535424C1	W/AIR ABS
A6	N94AN	16	OR	3535305C1	3535424C1	W/HYD ABS
A6	N94WK	18	GY	3535305C1	3535310C1	W/WABCO AIR
A7	N94C	16	DK BL	3535305C1	3535424C1	W/AIR ABS
A7	N94AT	16	DK BL	3535305C1	3535424C1	W/HYD ABS
A7	N94WG	18	GY	3535305C1	3535310C1	W/WABCO AIR
A8	N94D	16	YL	3535305C1	3535424C1	W/AIR ABS
A8	N94AU	16	YL	3535305C1	3535424C1	W/HYD ABS
A8	N94WH	18	GY	3535305C1	3535310C1	W/WABCO AIR
B1	N94E	16	BK	3535305C1	3535424C1	W/AIR ABS
B1	N94T	18	GY	3535305C1	3535424C1	W/HYD ABS
B1	N94WA	18	GY	3535305C1	3535310C1	W/WABCO AIR
B2	N94F	16	RD	3535305C1	3535424C1	W/AIR ABS
B2	N94AD	18	GY	3535305C1	3535424C1	W/HYD ABS
B2	N94-G4	18	WH	3535305C1	3535310C1	W/WABCO AIR
B3	N94H	16	BN	3535305C1	3535424C1	W/AIR ABS
B3	N94Y	18	GY	3535305C1	3535424C1	W/HYD ABS
B3	N94WB	18	GY	3535305C1	3535310C1	W/WABCO AIR
B4	N94J	16	PL	3535305C1	3535424C1	W/AIR ABS
B4	N94WE	18	GY	3535305C1	3535310C1	W/WABCO AIR
B5	N94K	16	LT GN	3535305C1	3535424C1	W/AIR ABS
B5	N94V	18	GY	3535305C1	3535424C1	W/HYD ABS
B5	N94-G3	18	WH	3535305C1	3535310C1	W/WABCO AIR
B6	N57	14	OR	3535934C1	3535937C1	
B7	N68	14	BN	3535934C1	3535937C1	
B8	N94L	16	LT BL	3535305C1	3535424C1	
B8	N44N	18	GY	3535305C1	3535424C1	
B8	N94WD	18	GY	3535305C1	3535310C1	W/WABCO AIR
B9	N59-GA	18	WH	3535305C1	3535310C1	
B9	N19	16	GY	3535305C1	3535424C1	
B9	N19A	16	GY	3535305C1	3535424C1	
B9	N44M	18	GY	3535305C1	3535424C1	
B10	N59J	18	GY	3535305C1	3535424C1	
B10	N59U	18	GY	3535305C1	3535424C1	
B11	•	18	TN	3535305C1	3535424C1	
B12	••	16	GY	3535305C1	3535424C1	
C1	N59K	18	GY	3535305C1	3535424C1	
C1	N59V	18	GY	3535305C1	3535424C1	
C2	N59L	18	GY	3535305C1	3535424C1	
C2	N59W	18	GY	3535305C1	3535424C1	
C3	N94BD	16	BN	3535305C1	3535424C1	W/AIR ABS
C3	N3A(-)	18	GY	3535305C1	3535424C1	W/HYD ABS
C3	N94C(+)	18	GY	3535305C1	3535310C1	W/WABCO AIR
C4	N94BE	16	YL	3535305C1	3535424C1	W/AIR ABS
C4	N3A(+)	18	DK BL	3535305C1	3535424C1	W/HYD ABS
C4	N94C(-)	18	GY	3535305C1	3535310C1	W/WABCO AIR
C5	N59M	18	GY	3535305C1	3535424C1	
C5	N59X	18	GY	3535305C1	3535424C1	
C6	N10-G	14	WH	3535934C1	3535937C1	
C7	N59H	14	GY	3535934C1	3535937C1	
C7	N59T	14	GY	3535934C1	3548945C1	
C8	•••	18	GY	3535305C1	3535424C1	
C9	N56J	16	OR	3535305C1	3535424C1	
C9	N37D	18	TN	3535305C1	3535424C1	
C10	••••	18	TN	3535305C1	3535424C1	
C11	PLUG	-	-	-	-	
C12	N49A	18	GY	3535305C1	3535424C1	
D1	N49B	18	GY	3535305C1	3535424C1	
D2	N87BB	18	GY	3535305C1	3535424C1	
D2	N87DB	18	GY	3535305C1	3535424C1	
D3	N87KB	18	GY	3535305C1	3535424C1	
D3	N87MB	18	GY	3535305C1	3535424C1	
D6	N87CA	18	GY	3535305C1	3535424C1	
D6	N87EA	18	GY	3535305C1	3535424C1	
D7	N71N	18	OR	3535305C1	3535424C1	
D7	N19-G	16	WH	3535305C1	3535424C1	
D7	N19-GA	16	WH	3535305C1	3535424C1	
D8	N9	18	GY	3535305C1	3535424C1	

CHASSIS/DASH INTERCONNECT (9700)

CONT. FROM PREVIOS PAGE

(DASH SIDE)

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
A1	J32	18	TN	3535303C1	3535424C1	
A1	J104C	18	DK BL	3535303C1	3535424C1	W/REMOTE START/STOP
A2	J32A	18	TN	3535303C1	3535424C1	
A2	J59	16	GY	3535930C1	3535936C1	W/REMOTE START/STOP
A3	J94AB	18	GY	3535303C1	3535424C1	W/AIR ABS
A3	J94HM	18	GY	3535303C1	3535424C1	W/HYD ABS
A4	J71A	18	OR	3535930C1	3535936C1	
A5	J56B	16	OR	3535930C1	3535936C1	
A6	J94AA	18	OR	3535303C1	3535424C1	W/AIR ABS
A6	J94HN	18	OR	3535303C1	3535424C1	W/HYD ABS
A7	J94AL	18	DK BL	3535303C1	3535424C1	W/AIR ABS
A7	J94HT	18	DK BL	3535303C1	3535424C1	W/HYD ABS
A8	J94AK	18	YL	3535303C1	3535424C1	W/AIR ABS
A8	J94HU	18	YL	3535303C1	3535424C1	W/HYD ABS
B1	J94AC	18	BK	3535303C1	3535424C1	W/AIR ABS
B1	J94HD	18	GY	3535303C1	3535424C1	W/HYD ABS
B2	J94AD	18	RD	3535303C1	3535424C1	W/AIR ABS
B2	J94HV	18	GY	3535303C1	3535424C1	W/HYD ABS
B3	J94AE	18	BN	3535303C1	3535424C1	W/AIR ABS
B3	J94HX	18	GY	3535303C1	3535424C1	W/HYD ABS
B4	J94AF	18	PL	3535303C1	3535424C1	W/AIR ABS
B5	J94AH	18	LT GN	3535303C1	3535424C1	W/AIR ABS
B5	J94HP	18	GY	3535303C1	3535424C1	W/HYD ABS
B6	J57B	16	OR	3535930C1	3535936C1	
B7	J68B	14	BN	3535931C1	3535937C1	
B8	J94AJ	18	GY	3535303C1	3535424C1	
B8	J44N	16	GY	3535303C1	3535424C1	
B9	N59-GA	18	WH	3535303C1	3535424C1	
B9	J44M	18	GY	3535303C1	3535424C1	
B10	J59A	18	GY	3535303C1	3535424C1	
B11	J36A	18	TN	3535303C1	3535424C1	
B12	J39A	16	GY	3535303C1	3535424C1	
C1	J59B	18	GY	3535303C1	3535424C1	
C2	J59C	18	GY	3535303C1	3535424C1	
C3	J94ATC	18	GY	3535303C1	3535424C1	W/AIR ABS
C3	J3C(-)	18	GY	3535303C1	3535424C1	W/HYD ABS
C4	J94ATR	18	GY	3535303C1	3535424C1	W/AIR ABS
C4	J3C(+)	18	DK BL	3535303C1	3535424C1	W/HYD ABS
C5	J59D	18	GY	3535303C1	3535424C1	
C6	J11-GA	14	WH	3535931C1	3535937C1	
C7	J59E	14	GY	3535931C1	3535937C1	
C8	J39B	16	GY	3535303C1	3535424C1	
C9	J37	16	TN	3535303C1	3535424C1	
C10	J36B	18	TN	3535303C1	3535424C1	
C11	PLUG	-	-	-	-	
C12	J49A	18	GY	3535303C1	3535424C1	
D1	J49B	18	GY	3535303C1	3535424C1	
D2	J87BB	18	GY	3535303C1	3535424C1	
D3	J87KB	16	GY	3535303C1	3535424C1	
D6	J87CA	18	GY	3535303C1	3535424C1	
D7	J71N	18	OR	3535303C1	3535424C1	
D8	J9G	18	GY	3535303C1	3535424C1	

• - FOR LEFT SIDE MTD FUEL TANKS, CIR NUM IS N38;
FOR RIGHT SIDE MTD FUEL TANKS, CIR NUM IS N38A;
FOR DUAL FUEL TANKS, CIR NUM IS N38B;
FOR AF MTD FUEL TANKS, CIR NUM IS N38C;

•• - FOR LEFT SIDE MTD AIR DRYERS, CIR NUM IS N39B;
FOR RIGHT SIDE MTD AIR DRYERS, CIR NUM IS N39C;

••• - FOR LEFT SIDE MTD DRAIN VALVES, CIR NUM IS N39;
FOR RIGHT SIDE MTD DRAIN VALVES, CIR NUM IS N39A;

•••• - FOR SINGLE TANK, CIR NUM IS N36;
FOR DUAL TANKS, CIR NUM IS N36H;

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	11APR05	REMOVED 9715-9715B	A	50157D	UOODLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		ADDED 9700 CHARTS			RELEASE NO. P54634F	DATE 14JUN01 · PART NO. AE08-52376 · SHEET 59

Figure 241 Connector Composite (9700)

12.68. CONNECTOR COMPOSITES (9715), (9715A), (9715B), P. 60

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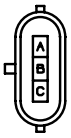
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

TRAILER SOCKET #1 (9715)

CONNECTOR - 1667733C1
PLUG - 1675451C1
LOCK - 1667734C1



CONNECTOR - 1667732C1
PLUG - 1675451C1
LOCK - 1667734C1

W/EOF OR BOC TRAILER SOCKET & EOF BODY BUILDER CONNECTOR

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N70D	10	RD	1667737C1	1667735C1
B	N68D	10	BN	1667737C1	1667735C1
C	N94D	10	GY	1667737C1	1667735C1

NOT W/BOC BODY BUILDER CONNECTORS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J70A	10	OR	2025425C1	1667735C1
B	J68F	12	BN	2025424C1	1671603C1
C	J94BC	10	GY	2025425C1	1667735C1

W/BOC TRAILER SOCKET

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N70	10	RD	1667737C1	1667735C1
B	N68	10	BN	1667737C1	1667735C1
C	N94	10	DK BL	1667737C1	1667735C1

W/BOC BODY BUILDER CONNECTORS

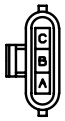
CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J70A	10	OR	2025425C1	1667735C1
B	J68F	16	BN	1667736C1	1664232C1
C	J94BC	10	GY	2025425C1	1667735C1

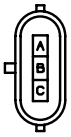
W/BOC AND AUX BOC TRAILER SOCKET

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N70A	10	RD	1667737C1	1667735C1
B	N68A	10	BN	1667737C1	1667735C1
C	N94A	10	DK BL	1667737C1	1667735C1

TRAILER SOCKET #1 (9715A)

CONNECTOR - 1667733C1
PLUG - 1675451C1
LOCK - 1667734C1





CONNECTOR - 1667732C1
PLUG - 1675451C1
LOCK - 1667734C1

W/EOF TRAILER SOCKET OR EOF BODY BUILDER CONNECTOR

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N70D	10	RD	1667737C1	1667735C1
B	N68D	10	BN	1667737C1	1667735C1
C	N94D	10	GY	1667737C1	1667735C1

W/EOF TRAILER SOCKET

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	R70A	10	RD	2025425C1	1667735C1
B	R68A	10	BN	2025425C1	1667735C1
C	R94A	10	DK BL	2025425C1	1667735C1

W/BOC TRAILER SOCKET AND EOF BODY BUILDER CONNECTOR

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N70F	10	RD	1667737C1	1667735C1
B	N68F	10	BN	1667737C1	1667735C1
C	N94F	10	GY	1667737C1	1667735C1

W/EOF BODY BUILDER CONNECTOR

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	R70	10	RD	2025425C1	1667735C1
B	R68	10	BN	2025425C1	1667735C1
C	R94	10	GY	2025425C1	1667735C1

TRAILER SOCKET #1 (9715B)

CONNECTOR - 1667733C1
PLUG - 1675451C1
LOCK - 1667734C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	R70	10	RD	1667737C1	1667735C1
B	R68	10	BN	1667737C1	1667735C1
C	R94	10	GY	1667737C1	1667735C1

BOC - BACK OF CAB
EOF - END OF FRAME

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	11APR05	REMOVED 9716-9716B	A	50157D	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		ADDED 9715-9715B			RELEASE NO. P52778H	DATE 31MAY00 · PART NO. AE08-52376 · SHEET 60

Figure 242 Connector Composites (9715), (9715A), (9715B)

12.69. CONNECTOR COMPOSITES (9716), (9716A), (9716B), P. 61

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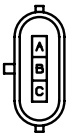
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

TRAILER SOCKET #2 (9716)

CONNECTOR - 1667733C1
PLUG - 1675451C1
LOCK - 1667734C1



CONNECTOR - 1667732C1
PLUG - 1675451C1
LOCK - 1667734C1

NOT W/BOC BODY BUILDER CONNECTORS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J58F	12	BN	1667737C1	1671603C1
B	J56C	12	OR	1667737C1	1671603C1
C	J57C	12	OR	1667737C1	1671603C1

W/EOF OR BOC TRAILER SOCKET & EOF BODY BUILDER CONNECTOR

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N58D	10	BN	2025425C1	1667735C1
B	N56D	10	YL	2025424C1	1667735C1
C	N57D	10	LT GN	2025425C1	1667735C1

W/BOC BODY BUILDER CONNECTORS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J58F	16	BN	1667738C1	1684232C1
B	J56C	12	OR	1667737C1	1671603C1
C	J57C	12	OR	1667737C1	1671603C1

W/BOC TRAILER SOCKET

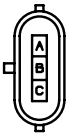
CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N58	10	BK	2025425C1	1667735C1
B	N56	10	YL	2025425C1	1667735C1
C	N57	10	LT GN	2025425C1	1667735C1

W/BOC AND AUX BOC TRAILER SOCKET

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N58A	10	BK	2025425C1	1667735C1
B	N56A	10	YL	2025425C1	1667735C1
C	N57A	10	LT GN	2025425C1	1667735C1

TRAILER SOCKET #2 (9716A)

CONNECTOR - 1667733C1
PLUG - 1675451C1
LOCK - 1667734C1



CONNECTOR - 1667732C1
PLUG - 1675451C1
LOCK - 1667734C1

W/EOF TRAILER SOCKET

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	R58A	10	BK	1667737C1	1667735C1
B	R56A	10	YL	1667737C1	1667735C1
C	R57A	10	LT GN	1667737C1	1667735C1

W/EOF TRAILER SOCKET

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N58D	10	BN	2025425C1	1667735C1
B	N56D	10	YL	2025425C1	1667735C1
C	N57D	10	LT GN	2025425C1	1667735C1

W/BOC TRAILER SOCKET AND

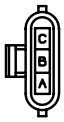
CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	R58A	10	BK	1667737C1	1667735C1
B	R56A	10	YL	1667737C1	1667735C1
C	R57A	10	LT GN	1667737C1	1667735C1

W/BOC TRAILER SOCKET AND EOF BODY BUILDER CONNECTOR

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	R70	10	RD	2025425C1	1667735C1
B	R68	10	BN	2025425C1	1667735C1
C	R94	10	GY	2025425C1	1667735C1

TRAILER SOCKET #2 (9716B)

CONNECTOR - 1667733C1
PLUG - 1675451C1
LOCK - 1667734C1



CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	R58	10	BN	2025425C1	1667735C1
B	R56	10	BN	2025425C1	1667735C1
C	N57F	10	LT GN	2025425C1	1667735C1

BOC - BACK OF CAB
EOF - END OF FRAME

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	11APR05	REMOVED 9717A-9717B	B	50157D	U00EDL2	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		ADDED 9716-9716B			RELEASE NO. P52778H	DATE 31MAY00 · PART NO. AE08-52376 · SHEET 61

Figure 243 Connector Composites (9716), (9716A), (9716B)

12.70. CONNECTOR COMPOSITES (9717A), (9717B), P. 62

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

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TRAILER
SOCKET GROUND
(9717A)

CONNECTOR - 3517441C1

CONNECTOR - 3517817C1

W/EOF OR BOC TRAILER SOCKET OR EOF BODY BUILDER CONNECTOR

CAV	CIR	GAUGE	COLOR	TERM
A	N10D	8	WH	3517439C1

W/BOC TRAILER SOCKET AND EOF BODY BUILDER CONNECTOR

CAV	CIR	GAUGE	COLOR	TERM
A	N10F	8	WH	3517439C1

W/EOF TRAILER SOCKET

CAV	CIR	GAUGE	COLOR	TERM
A	R10A	8	WH	3517818C1

W/EOF BODY BUILDER CONNECTOR

CAV	CIR	GAUGE	COLOR	TERM
A	R10	8	WH	3517818C1

TRAILER
SOCKET GROUND
(9717B)

CONNECTOR - 3517441C1

CAV	CIR	GAUGE	COLOR	TERM
A	R10	8	WH	3517439C1

BOC - BACK OF CAB
EOF - END OF FRAME

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	11APR05	REMOVED 9718-9763	E	50157D	UOODLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		ADDED 9717A-9717B			RELEASE NO. P54634F	DATE 14JUN01 · PART NO. AE08-52376 · SHEET 62

Figure 244 Connector Composites (9717A), (9717B)

12.71. CONNECTOR COMPOSITES (9718), (9719), (9720), (9722), (9733), (9734), (9736), (9740), (9741), (9742), P. 63

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

WORK LIGHT/ LIFT GATE (9718)
(LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME)

CENTER CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N65	16	OR	1661875C1	1661872C1
B	N65-G	16	WH	1661875C1	1661872C1

CONNECTOR - 1661778C1
LOCK - 1661874C1

DASH HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J65	16	OR	1667742C1	1661872C1
B	J65-G	16	WH	1667742C1	1661872C1

CONNECTOR - 3543888C1
LOCK - 1661874C1

WORK LIGHT/ LIFT GATE (9719)
(LOCATED BACK OF CAB NEAR LEFT FRAME RAIL)

CENTER CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N65	16	OR	1661875C1	1661872C1
B	N65-G	16	WH	1661875C1	1661872C1

CONNECTOR - 1661778C1
LOCK - 1661874C1

JUMPER HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J65	16	BK	1667742C1	1661872C1
B	J11-GK	16	WH	1667742C1	1661872C1

CONNECTOR - 3543888C1
LOCK - 1661874C1

WORK LIGHT/ LIFT GATE (9720)
(LOCATED ON LIGHT BACK OF CAB OR ON MODULE IN BATTERY BOX)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J65	16	BK	1667742C1	1661872C1
B	J11-GK	16	WH	1667742C1	1661872C1

CONNECTOR - 3543888C1
LOCK - 1661874C1

TRAILER AUX (9722)
(LOCATED BY LEFT FRAME NEAR REAR AXLES)

REAR CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J72A	12	OR	1687848C1	0589390C1
A	J72EB	10	OR	1687848C1	0589390C1

CONNECTOR - 1669834C1
LOCK - 1675053C1

CENTER CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N72	12	DK BL	2033816C1	0589390C1
A	N72EB	10	OR	2033816C1	0589390C1

CONNECTOR - 1664531C1
LOCK - 1675053C1

TRAILER AUX SOCKET FEED (9733)
(LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME)

DASH HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J72A	12	OR	1687848C1	0589390C1
A	J72EB	10	OR	1687848C1	0589390C1

CONNECTOR - 1669834C1
LOCK - 1675053C1

CENTER CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N72	12	DK BL	2033816C1	0589390C1
A	N72EB	10	OR	2033816C1	0589390C1

CONNECTOR - 1664531C1
LOCK - 1675053C1

TRAILER SOCKET (9734)
(LOCATED END OF FRAME)

WH BN BK BL GN YL RD

CAV	CIR	GAUGE	COLOR
BK	R58A	10	BK
BL	R94A	10	DK BL
BN	R68A	10	BN
GN	R57A	10	LT GN
RD	R70A	10	RD
WH	R10A	8	WH
YL	R56A	10	YL

CONNECTOR - 3520417C1
BOOT - 0481849C1
GASKET - 1666090C1

AIR SOLENOID 4-PACK (9736)
(LOCATED ON SOLENOID PACK BACK OF CAB)

E D C B A

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N59H	14	GY	2033816C1	0589391C1
B	N59J	18	GY	2033819C1	1652325C1
C	N59K	18	GY	2033819C1	1652325C1
D	N59L	18	GY	2033819C1	1652325C1
E	N59M	18	GY	2033819C1	1652325C1

CONNECTOR - 1661375C2
LOCK - 1661376C1

•FIELD VOLTAGE (9740)

A B

CONNECTOR - 1671610C1
LOCK - 1671608C1

•W/16 ENGINES ONLY

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	K11+1	14	RD	2033816C1	1652325C1
B	K11-1	14	WH	2033816C1	1652325C1

•3 PHASE AC (9741)

CONNECTOR - 3517760C1

•W/16 ENGINES ONLY

CAV	CIR	GAUGE	COLOR	TERM
1	K106A	4	OR	3517757C1

•3 PHASE AC (9742)

CONNECTOR - 3517760C1

•W/16 ENGINES ONLY

CAV	CIR	GAUGE	COLOR	TERM
1	K106B	4	OR	3517757C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
20	OCT05	CONN 3517760C1 WAS 3806342C1,	E	50157Y	UOODLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		AND CONN 1671610C1 WAS 3806343C1			RELEASE NO. P54634F	DATE 14JUN01 · PART NO. AE08-52376 · SHEET 63

Figure 245 Connector Composites (9718), (9719), (9720), (9722), (9733), (9734), (9736), (9740), (9741), (9742)

12.72. CONNECTOR COMPOSITES (9743), (9754), (9762), (9763), (9765), (9766), (9767), P. 64

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

•3 PHASE AC (9743)

CONNECTOR - 3517760C1

•W/16 ONLY

CAV	CIR	GAUGE	COLOR	TERM
1	K106C	4	OR	3517757C1

TRANSFER CASE SWITCH PIGTAIL (9754)

CONNECTOR - 0587567C91
PLUG - 0587579C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N42	18	GY	0587578C1	1652325C1
B	N42-G	18	WH	0587578C1	1652325C1

LIFT AXLE (9762)

CONNECTOR - 1661778C1
BODY LOCK - 1661874C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N59EF	18	GY	1661875C1	1661872C1
B	N59-GC	18	WH	1661875C1	1661872C1

LIFT AXLE (9763)

CONNECTOR - 1661778C1
BODY LOCK - 1661874C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N59EC	18	GY	1661875C1	1661872C1
B	N59-GB	18	WH	1661875C1	1661872C1

WORK LIGHT (9765)

CENTER CHASSIS HARNESS

CONNECTOR - 1661778C1
BODY LOCK - 1661874C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	P65	16	OR	1661875C1	1661872C1
B	P65-G	16	WH	1661875C1	1661872C1

LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME

WORK LIGHT (9766)

LOCATED IN ENGINE COMPARTMENT NEAR LEFT FRAME

CENTER CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	P65	16	OR	1661875C1	1661872C1
B	P65-G	16	WH	1661875C1	1661872C1

CONNECTOR - 1661778C1
BODY LOCK - 1661874C1

REAR CHASSIS HARNESS

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	S65	16	OR	1667742C1	1661872C1
B	S65-G	16	WH	1667742C1	1661872C1

WORK LIGHT (9767)

LOCATED AT EOF

REAR CHASSIS HARNESS

CONNECTOR - 1661778C1
BODY LOCK - 1661874C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	S65	16	OR	1661875C1	1661872C1
B	S65-G	16	WH	1661875C1	1661872C1

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CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
JMJ	26OCT05	CONN 3517760C1 WAS 3806342C1	F	50157Y	U00DLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
BBV	16DEC05	ADDED 9765,9766 AND 9767	G	60199M	RELEASE NO. P54634F	DATE / PART NO. AE08-52376 / SHEET 64

Figure 246 Connector Composites (9743), (9754), (9762), (9763), (9765), (9766), (9767)

12.73. CONNECTOR COMPOSITES (9777), (9778), (9800), P. 65

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

SAAR
(9777)
(LOCATED ON FRAME RAIL)

CONNECTOR - 1667741C1
SEAL - 1661872C1

CAV	CIR	GAUGE	COLOR	TERM
A	N44N	18	GY	1661875C1
B	N44-GB	18	WH	1661875C1
C	N44M	18	GY	1661875C1

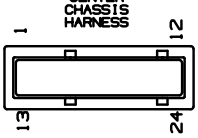
REMOTE START/STOP
BODY BUILDER CONNECTION
(9778)
(LOCATED ON FRAME RAIL)

CONNECTOR - 0587567C91
SEAL - 1652325C1

CAV	CIR	GAUGE	COLOR	TERMINAL
A	N59CA	16	GY	0587575C1
B	N104CA	16	DK BL	0587575C1

CENTER CHASSIS/REAR CHASSIS (9800)
(LOCATED BY LEFT FRAME RAIL NEAR REAR AXLES)

CENTER CHASSIS HARNESS



CONNECTOR - 3558026C1
LOCK - 3558056C1
PLUG - 3532129C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
1	N71	14	OR	3559035C1	3509903C1	
2	N56	14	OR	3559035C1	3509903C1	
3	N57	14	OR	3559035C1	3509903C1	
4	N68	14	BN	3559035C1	3509903C1	
5	N32A	18	TN	3509874C1	3509903C1	W/2 AXLE TEMPS
5	N36C	18	TN	3509874C1	3509903C1	W/AF FUEL TANK
6	N32	18	TN	3509874C1	3509903C1	
7	N49B	18	GY	3509874C1	3509903C1	
8	N49A	18	GY	3509874C1	3509903C1	
9	N49-G	18	WH	3509874C1	3509903C1	
10	N9G	18	GY	3509874C1	3509903C1	
11	N9F	18	GY	3509874C1	3509903C1	W/1 AXLE TEMP
11	N9H	18	GY	3509874C1	3509903C1	W/2 AXLE TEMP
12	N10-GA	12	WH	3559035C1	3509903C1	
13	N94AA	16	GY	3559035C1	3509903C1	W/HYD ABS
13	N94A	16	GY	3559035C1	3509903C1	W/AIR ABS
13	N94WL	16	GY	3559035C1	3509903C1	W/WABCO AIR
14	N94AB	16	OR	3559035C1	3509903C1	W/HYD ABS
14	N94B	16	OR	3559035C1	3509903C1	W/AIR ABS
14	N94WM	16	GY	3559035C1	3509903C1	W/WABCO AIR
15	N94AK	16	DK BL	3559035C1	3509903C1	W/HYD ABS
15	N94C	16	DK BL	3559035C1	3509903C1	W/AIR ABS
15	N94WS	16	GY	3559035C1	3509903C1	W/WABCO AIR
16	N94AL	16	YL	3559035C1	3509903C1	W/HYD ABS
16	N94D	16	YL	3559035C1	3509903C1	W/AIR ABS
16	N94WT	16	GY	3559035C1	3509903C1	W/WABCO AIR
17	N94E	16	BK	3559035C1	3509903C1	
17	N94WN	16	GY	3559035C1	3509903C1	W/WABCO AIR
18	N94F	16	RD	3559035C1	3509903C1	
18	N94-G7	16	WH	3559035C1	3509903C1	W/WABCO AIR
19	N94H	16	BN	3559035C1	3509903C1	
19	N94WR	16	GY	3559035C1	3509903C1	W/WABCO AIR
20	N94J	16	PL	3559035C1	3509903C1	
20	N94WU	16	GY	3559035C1	3509903C1	W/WABCO AIR
21	N94K	16	LT GN	3559035C1	3509903C1	
21	N94-G6	16	WH	3559035C1	3509903C1	W/WABCO AIR
22	N94L	16	LT BL	3559035C1	3509903C1	
22	N94WW	16	GY	3559035C1	3509903C1	W/WABCO AIR
23	N94BD	16	BN	3559035C1	3509903C1	
23	N94WX	18	GY	3509874C1	3509903C1	W/WABCO AIR
24	N94BE	16	YL	3559035C1	3509903C1	
24	N94WZ	18	GY	3509874C1	3509903C1	W/WABCO AIR

REAR CHASSIS HARNESS

CONNECTOR - 3559022C1
SEAL - 3559047C1
LOCK - 3558056C1
PLUG - 3532129C1

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
1	R71	14	OR	3559037C1	3509903C1	
2	R56	14	OR	3559037C1	3509903C1	
3	R57	14	OR	3559037C1	3509903C1	
4	R68	14	BN	3559037C1	3509903C1	
5	R32A	18	TN	3559036C1	3509903C1	W/2 AXLE TEMPS
5	R36	18	TN	3559036C1	3509903C1	W/AF FUEL TANKS
6	R32	18	TN	3559036C1	3509903C1	
7	R49	18	GY	3559036C1	3509903C1	
8	R49A	18	GY	3559036C1	3509903C1	
9	R49-GA	18	WH	3559036C1	3509903C1	W/1 DIFF LOCK
9	R10-GB	18	WH	3559036C1	3509903C1	W/2 DIFF LOCK
10	R9D	18	GY	3559036C1	3509903C1	
11	R9C	18	GY	3559036C1	3509903C1	W/1 AXLE TEMP
11	R9B	18	GY	3559036C1	3509903C1	W/2 AXLE TEMPS
12	R10-G	12	WH	3559037C1	3509903C1	
13	(R94M)	18	BK	3559036C1	3509903C1	W/HYD ABS
13	R94A	16	GY	3559037C1	3509903C1	W/AIR ABS
13	R94WL	18	GY	3559036C1	3509903C1	W/WABCO AIR
14	(R94N)	18	BN	3559036C1	3509903C1	W/HYD ABS
14	R94B	16	OR	3559037C1	3509903C1	W/AIR ABS
14	R94WM	18	GY	3559036C1	3509903C1	W/WABCO AIR
15	(R94P)	18	BK	3559036C1	3509903C1	W/HYD ABS
15	R94C	16	DK BL	3559037C1	3509903C1	W/AIR ABS
15	R94WS	18	GY	3559036C1	3509903C1	W/WABCO AIR
16	(R94R)	18	BN	3559036C1	3509903C1	W/HYD ABS
16	R94D	16	YL	3559037C1	3509903C1	W/AIR ABS
16	R94WT	18	GY	3559036C1	3509903C1	W/WABCO AIR
17	R94E	16	BK	3559037C1	3509903C1	
17	R94WN	18	BK	3559036C1	3509903C1	W/WABCO AIR
18	R94F	16	RD	3559037C1	3509903C1	
18	R94-G7	18	GN	3559036C1	3509903C1	W/WABCO AIR
19	R94H	16	BN	3559037C1	3509903C1	
19	R94WR	18	BN	3559036C1	3509903C1	W/WABCO AIR
20	R94J	16	PL	3559037C1	3509903C1	
20	R94WU	18	BK	3559036C1	3509903C1	W/WABCO AIR
21	R94K	16	LT GN	3559037C1	3509903C1	
21	R94-G6	18	GN	3559036C1	3509903C1	W/WABCO AIR
22	R94L	16	LT BL	3559037C1	3509903C1	
22	R94WW	18	BN	3559036C1	3509903C1	W/WABCO AIR
23	R94BD	16	BN	3559037C1	3509903C1	
23	R94WX	18	GY	3559036C1	3509903C1	W/WABCO AIR
24	R94BE	16	YL	3559037C1	3509903C1	
24	R94WZ	18	GY	3559036C1	3509903C1	W/WABCO AIR

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	11APR05	REMOVED 9913B-9999	C	50157D	UOODLCK	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		ADDED 9777-9800			RELEASE NO. P54634F	DATE 14JUN01 · PART NO. AE08-52376 · SHEET 65

Figure 247 Connector Composites (9777), (9778), (9800)

12.74. CONNECTOR COMPOSITES (9870), (9871), (9811), (9812), (9814), (9815), (9830), (9850), (9860), (9865M), (9900), (9900A), (9913A), P. 66

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

AIR SUSPENSION DUMP VALVE 4X2 (9870)

(LOCATED NEAR REAR AXLE ON CROSSMEMBER)

CONNECTOR - 0587568C91
SEAL - 1652325C1
TERMINAL - 0587576C1

CAV	CIR	GAUGE	COLOR
A	N61A	18	GY
B	N61-GA	18	GY

AIR SUSPENSION DUMP VALVE 6X4 (9871)

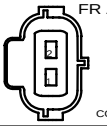
(LOCATED NEAR REAR AXLE ON CROSSMEMBER)

CONNECTOR - 0587568C91
SEAL - 1652325C1
TERMINAL - 0587576C1

CAV	CIR	GAUGE	COLOR
A	N61AA	18	GY
B	N61-GB	18	GY

FR AXLE TEMP SENDER (9811)

(LOCATED ON AXLE)



CAV	CIR	GAUGE	COLOR	TERM	SEAL
1	R32A	18	TN	3536865C1	3536866C1
2	R9A	18	GY	3536865C1	3536866C1

CONNECTOR - 3536864C1

RR AXLE TEMP SENDER (9812)

(LOCATED ON AXLE)

CAV	CIR	GAUGE	COLOR	TERM	SEAL	NOTES
1	R32	18	TN	3536865C1	3536866C1	
2	R9	18	GY	3536865C1	3536866C1	W/TANDEM
2	R9C	18	GY	3536865C1	3536866C1	N/TANDEM

CONNECTOR - 3536864C1

FR AXLE DIFF LOCK WARN LIGHT (9814)

(LOCATED ON AXLE)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	R49	18	GY	0587578C1	1652325C1
B	R49-G	18	WH	0587578C1	1652325C1

CONNECTOR - 587567C91

RR AXLE DIFF LOCK WARN LIGHT (9815)

(LOCATED ON AXLE)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	R49A	18	GY	0587578C1	1652325C1
B	R49-GA	18	WH	0587578C1	1652325C1

CONNECTOR - 587567C91

SUSPENSION TRANSDUCER (9830)

CAV	CIR	GAUGE	COLOR	TERM
A	R9M	18	GY	1651943C1
B	R6H	18	GY	1651943C1
C	R61C	18	GY	1651943C1

CONNECTOR - 1678137C1
SEAL - 1661872C1
PLUG - 2025431C1

AIR SUSPENSION SOLENOID (9850)

(LOCATED ON LEFT FRAME RAIL NEAR REAR AXLES)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	J61A	16	GY	0587575C1	1652325C1
B	J61-GA	16	WH	0587575C1	1652325C1

CONNECTOR - 587568C91

LOAD INDICATOR (9860)

CAV	CIR	GAUGE	COLOR	TERM
A	N9M	18	GY	1667742C1
B	N6H	18	GY	1667742C1
C	N61C	18	GY	1667742C1

CONNECTOR - 1667740C1
SEAL - 1661872C1
LOCK - 1667771C1

LOAD INDICATOR (9865M)

CAV	CIR	GUAGE	COLOR	TERM
A	N9M	18	GY	1661875C1
B	N6H	18	GY	1661875C2
C	N61C	18	GY	1661875C3

CONNECTOR - 1667741C1
SEAL - 1661872C1
LOCK - 1667771C1

RIGHT SIDE AIR DRYER (9900)

(LOCATED ON AIR DRYER)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N39C	16	GY	2033819C1	1652325C1
B	N39-GC	16	WH	2033819C1	1652325C1

CONNECTOR - 1673790C1
LOCK - 1673791C1

LEFT SIDE AIR DRYER (9900A)

(LOCATED ON AIR DRYER)

CAV	CIR	GAUGE	COLOR	TERM	SEAL
A	N39B	16	GY	2033819C1	1652325C1
B	N39-GB	16	WH	2033819C1	1652325C1

CONNECTOR - 1673790C1
LOCK - 1673791C1

LECTRASHIFT PTO/HOURMETER (9913A)

(LOCATED NEAR DASH TO ENGINE CONNECTION)

(DASH HARNESS)

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL
A	J14LS	12	WH	2033816C1	0589391C1
A	J88B	18	LT GN	2033819C1	3517771C1

CONNECTOR - 1664531C1
LOCK - 1675053C1

(ENGINE/XMSN HARNESS)

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL
A	K12LSC	12	WH	2033912C1	0589390C1
A	K188B	14	LT GN	2033912C1	0589391C1

CONNECTOR - 1669834C1
LOCK - 1675053C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
		ADDED 9870-9913A	-	50157D	U00JWCA	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. 50157D	DATE 14FEB05 · PART NO. AE08-52376 · SHEET 66

Figure 248 Connector Composites (9870), (9871), (9811), (9812), (9814), (9815), (9830), (9850), (9860), (9865M), (9900), (9900A), (9913A)

12.75. CONNECTOR COMPOSITES (9913B), (9914), (9994), (9999), (1J), (2J), P. 67

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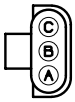
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

LECTRASHIFT PTO (9913B)

(LOCATED NEAR XMSN)



CONNECTOR - 0587570C91

CAV	CIR	GAUGE	COLOR	TERMINAL	SEAL
A	K14LSA	18	BK	0587576C1	1652325C1
B	K14LSB	18	RD	0587576C1	1652325C1
C	K14LSC	12	WH	1673747C1	0589390C1

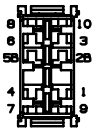
DIODE ASSY (9914)

(LOCATED OUTSIDE CAB NEAR ESC)

CONNECTOR - 3539777C1

CAV	CIR	GAUGE	COLOR	TERMINAL	NOTES
1	J48C	18	PL	1659751C1	W/LECTRASHIFT PTO
1	J104F	18	DK BL	1651969C1	W/REMOTE START/STOP
2	J11-0C	18	GY	1651969C1	W/LECTRASHIFT PTO
2	J104H	18	DK BL	1651969C1	W/REMOTE START/STOP

TELEMATICS ALERT SWITCH (9994)



CONNECTOR - 3520850C1

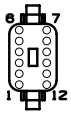
CAV	CIR	GAUGE	COLOR	TERMINAL
1	-	-	-	-
2B	HBA6	18	GY	1661224C1
3	HD9V	18	GY	1661224C1
3	HF9VB	18	GY	1661224C1
4	-	-	-	-
5B	-	-	-	-
6	-	-	-	-
7	HBOUT1	18	WH	1661224C1
8	HB62	18	GY	1661224C1
9	HB11-G	18	GY	1661224C1
10	-	-	-	-

SAFETY VISION MONITOR (9999)

CONNECTOR - 3592285C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	GB12RD	18	RD	3529315C1
2	-	-	-	-
3	GB12BK	18	LTGN	3529315C1
4	GB12-G	18	BK	3529315C1

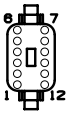
TELEMATICS 1 (1J)



CONNECTOR - 3801924C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	HA14A	16	RD	1680205C1
2	HC14B	16	RD	1680205C1
3	HA13A	16	PK	1680205C1
4	HC8VDC	18	GY	1680205C1
5	HBOUT1	18	WH	1680205C1
6	HCOUT2	18	WH	1680205C1
7	PLUG	-	-	-
8	PLUG	-	-	-
9	HA5H(+)	18	YL	1680205C1
10	HA5H(-)	18	GN	1680205C1
11	HD9V	18	GY	1680205C1
11	HE9V	18	GY	1680205C1
11	HF9V	18	GY	1680205C1
12	HA11-G	18	GY	1680205C1

TELEMATICS 2 (2J)



CONNECTOR - 3801923C1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	HA3H(+)	18	DKBL	1680205C1
2	HA3H(-)	18	GY	1680205C1
3	HCPPU	18	GY	1680205C1
4	HCA2	18	GY	1680205C1
5	HCA4	18	GY	1680205C1
6	HBA6	18	GY	1680205C1
7	HCA5	18	GY	1680205C1
8	HCA3	18	GY	1680205C1
9	HCA1	18	GY	1680205C1
10	HC11-G	18	GY	1680205C1
11	PLUG	-	-	-
12	PLUG	-	-	-

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	23JUN05	ADDED TELEMATICS 9994, 1J & 2J	A	59464N	U00JWCA	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. 50157D	DATE 14FEB05 · PART NO. AE08-52376 · SHEET 67

Figure 249 Connector Composites (9913B), (9914), (9994), (9999), (1J), (2J)

12.76. CONNECTOR COMPOSITES (9988), (9989), (9990), (9991), (9992), (9993), (9995), (9996), P. 68

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ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

FLARE LAMP (LEFT AMBER) (9988)

CAV	CIR	GAUGE	COLOR	TERMINAL
1	R10-G	18	WH	*XL3T-14474-EA
2	R68	18	BN	*XL3T-14474-EA

*F6AB-14A464-GA

FLARE LAMP RIGHT AMBER (9989)

CAV	CIR	GAUGE	COLOR	TERMINAL
1	R10-G	18	WH	*XL3T-14474-AEA
2	R68	18	BN	*XL3T-14474-AEA

*F6AB-14A464-GA

FLARE LAMP (LEFT RED) (9990)

CAV	CIR	GAUGE	COLOR	TERMINAL
1	R10-G	18	WH	*XL3T-14474-EAE
2	R68	18	BN	*XL3T-14474-EAE

*F6AB-14A464-GA

FLARE LAMP (RIGHT RED) (9991)

CAV	CIR	GAUGE	COLOR	TERMINAL
1	R10-G	18	WH	*XL3T-14474-EAE
2	R68	18	BN	*XL3T-14474-EAE

*F6AB-14A464-GA

LEFT TAIL TURN / STOP LAMP (9992)

CAV	CIR	GAUGE	COLOR	TERMINAL
1	R10-G	18	WH	*97BG-14474-AEA
2	R68	18	BN	-
3	R56	14	OR	*97BG-14474-AEA

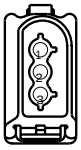
*ZFJ-00703-UA

RIGHT TAIL TURN / STOP LAMP (9993)

CAV	CIR	GAUGE	COLOR	TERMINAL
1	R10-G	18	WH	*97BG-14474-AEA
2	R68	18	BN	-
3	R57	14	OR	*97BG-14474-AEA

*ZFJ-00703-UA

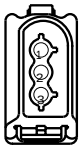
BACKUP LAMP (9995)



CAV	CIR	GAUGE	COLOR	TERMINAL
1	R10-G	18	WH	*97BG-14474-AEA
2	-	-	-	-
3	R71	18	OR	*97BG-14474-AEA

*ZFJ-00702-UA

BACKUP LAMP (9996)



CAV	CIR	GAUGE	COLOR	TERMINAL
1	R10-G	18	WH	*97BG-14474-AEA
2	-	-	-	-
3	R71	18	OR	*97BG-14474-AEA

*ZFJ-00702-UA

NOTE - * INDICATES PARTS TO BE GIVEN BY SUPPLIER

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
					UOOAXPC	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. 59918L	DATE 22DEC05 · PART NO. AE08-52376 · SHEET 68

Figure 250 Connector Composites (9988), (9989), (9990), (9991), (9992), (9993), (9995), (9996)

12.77. CONNECTOR COMPOSITES (1936), (1937), (1938), (1940), P. 69

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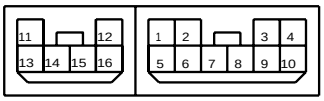
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

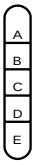
ECLIPSE AVN50D CONNECTOR (1936)



*AVN5435-CN20

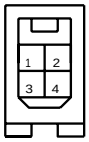
CAV	CIR	GAUGE	COLOR
1	-	-	-
2	-	-	-
3	A86	18	LTGN
4	A86A	18	LTGN
5	-	-	-
6	-	-	-
7	A86-G	20	WH
8	-	-	-
9	A86AX	18	BLWH
10	A62E	20	DKBL
11	-	-	-
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	-	-

CAMERA-PASSTHRU (1937)



CAV	CIR	GAUGE	COLOR
1	VIDEO(+)	22	NAT
2	DRAIN	22	-
3	J71	22	RD
4	22BK	22	BK
5	VIDEO(-)	22	NAT

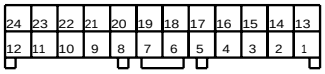
ECLIPSE AVN50D CONNECTOR-REAR VIEW CAMERA CN-706 (1938)



CAV	CIR	GAUGE	COLOR
1	VIDEO(+)	22	NAT
2	-	-	-
3	VIDEO(-)	22	NAT
4	GND	22	BK

*PT NO-X40232-A872

ECLIPSE AVN50D CONNECTOR 24 WAY CONNECTOR,CN4 (1940)



*AVN5435-CN4

CAV	CIR	GAUGE	COLOR	TERMINAL
1	VIDEO OUT YELLOW(-)	-	-	-
2	R(+)	-	-	-
3	R(-)	-	-	-
4	L(+)	-	-	-
5	L(-)	-	-	-
6	MUTE	-	-	-
7	J71	18	GN	*7116-4721-02
8	SPEED	-	-	-
9	VIDEO OUT YELLOW CENTRE	-	-	-
10	-	-	-	-
11	PRE AMP FRT LEFT CHANNEL	-	-	-
12	PRE AMP FRT RIGHT CHANNEL	-	-	-
13	S.GND	-	-	-
14	AMP CONTROL (B+)	-	-	-
15	BUS(+)	-	-	-
16	BUS(-)	-	-	-
17	ACC	18	LTGN	*7116-4721-02
18	BACKUP(+)	-	-	-
19	A58	18	RDWH	*7116-4721-02
20	-	-	-	-
21	-	-	-	-
22	-	-	-	-
23	PRE AMP REAR LEFT CHANNEL	-	-	-
24	PRE AMP REAR RIGHT CHANNEL	-	-	-

NOTE:
1. * INDICATES PARTS TO BE GIVEN BY SUPPLIER

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
					UOOAXPC	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		
					RELEASE NO. 59918L	DATE 22DEC05	PART NO. AE08-52376	SHEET 69

Figure 251 Connector Composites (1936), (1937), (1938), (1940)

12.78. CONNECTOR COMPOSITES (1943), (1944), (1949), (1997), P. 70

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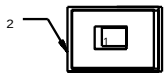
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

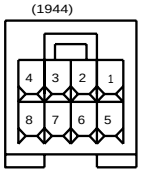
ECLIPSE AVN50D CONNECTOR
GPS ANTENNA
(1943)



*AVN5435-GPS

CAV	CIR	GAUGE	COLOR
1	SIGNAL	22	NONE
2	GROUND	22	NONE

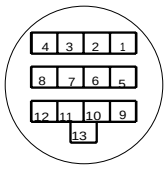
ECLIPSE AVN50D CONNECTOR
AUDIO VIDEO IN G, CN1
(1944)



*AVN5435-CN1

CAV	CIR	GAUGE	COLOR	TERMINAL
1	VIDEO(+)	24	YL	*7116-4720-02
2	GND	24	SHIELD	*7116-4720-02
3	GND	24	SHIELD	*7116-4720-02
4	-	-	-	-
5	AUDIO L(+)	24	WH	*7116-4720-02
6	AUDIO R(+)	24	RD	*7116-4720-02
7	GND	24	SHIELD	*7116-4720-02
8	-	-	-	-

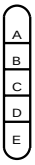
ECLIPSE AVN50D CONNECTOR
3W-13WAY DIN
(1949)



*AVN5435-3W-13WAY DIN

CAV	CIR	GAUGE	COLOR	TERMINAL
1	N.C.	-	-	-
2	BACKUP(+)	-	-	-
3	GND	18	WH	*7116-4721-02
4	ACC	18	LTGN	*7116-4721-02
5	R(+)	-	-	-
6	L(-)	-	-	-
7	S.GND	-	-	-
8	N.C.	-	-	-
9	L(+)	-	-	-
10	BUS(+)	-	-	-
11	MUTE	-	-	-
12	BUS(-)	-	-	-
13	R(-)	-	-	-

CAMERA-PASSTHRU
(1997)



CAV	CIR	GAUGE	COLOR
1	VIDEO(+)	22	NAT
2	DRAIN	22	-
3	J71	22	RD
4	22BK	22	BK
5	VIDEO(-)	22	NAT

NOTE:
1. *INDICATES PART TO BE GIVEN BY SUPPLIER

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
					UOOAXPC	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO. 59918L	DATE 22DEC05 · PART NO. AE08-52376 · SHEET 70

Figure 252 Connector Composites (1943), (1944), (1949), (1997)

12.79. CONNECTOR COMPOSITE (9998), P. 71

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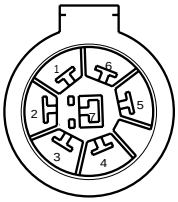
ELECTRICAL CIRCUIT DIAGRAM CHAPTER 12

CONNECTOR COMPOSITES - MATING VIEW SHOWN

INLINE TO POLLAK RV
STYLE TRAILER SOCKET
(9998)



*CONNECTOR - 3807576C91

CAV	CIR	GAUGE	COLOR
1	N56BC	14	OR
2	R10	10	WH
3	R94	12	DKBL
4	N57BC	14	OR
5	N12BB	12	LTBL
6	R68	12	BN
7	N71BB	14	OR

NOTE:
1.* INDICATES PART TO BE GIVEN BY SUPPLIER

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME		
					UOOAXPC	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS		
					RELEASE NO.	DATE	PART NO.	SHEET
					59918L	22DEC05	AE08-52376	71

Figure 253 Connector Composite (9998)