SERVICE MANUAL

SERVICE MANUAL SECTION

3200, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 8500, 8600 SERIES Built After March 10, 2004 — ELECTRICAL CIRCUIT DIAGRAMS

Truck Model: 3200 Start Date: 03/11/2004

Truck Model: 4200 Start Date: 03/11/2004

Truck Model: 4300 Start Date: 03/11/2004

Truck Model: 4400 Start Date: 03/11/2004

Truck Model: 7300 Start Date: 03/11/2004

Truck Model: 7400 Start Date: 03/11/2004

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06/17/2004

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INSTRUCTIONS AND CHARTS (CHAPTER 1)

INTERNA	TIONAL TRUC	K AND ENGINE	CORPORATION	ELECTE	RICAL CIRCUIT [DIAGRAM	CHAPTER 1	
TO BE USE	D IN ANY WAY		D BASIS AND IS NOT THE INTEREST OF ORATION.		ATIONAL CIRCU			
			PREFIX D	ESIGNATI	ONS			
		PREFIX	LOCATIO	N				
		А	Cab-instrument Panel N	Module				
		В	Cab-Driver Control Mod	lule				
		С	Cab-Header/Clearance	Lights				
		D	Cab-Roof/Rear Panel					
		E	Cab-Left Door/Doors					
		F	Cab-Right Door/Doors					
		Н	Cab-Sleeper					
		J	Cab-Dash(outside)					
		К	Engine/Radiator					
		L	Transmission					
		М	Chassis/Front End (Cab	Dash Pan	el Forward)			
		N	Chassis/Center Section	(Cab Dash	Panel to Cab RF	Xmbr)		
		P	Chassis/Wheel Base Se					
		R	Chassis/Suspension/Re					
		S	Chassis/AF Section/Sto	p/Tail/Turn	Lights			
			CIRCUIT NUMBER A	AND IDENT	TIFICATIONS			
	CIRCUIT NUMBER	COLOR	DESCRIPTION					
	1	LTBL	ALTERNATOR - FIELD					
	2	RD	ALTERNATOR - CHAR	GE				
	3	DKBL GY	1708 DATA LINK, SWIT 1708 DATA LINK, SWIT					
	4		SERIAL/DATA COMMU	INICATION	I J1922			
	5	YL GN	DRIVE TRAIN J1939 D. DRIVE TRAIN J1939 D.					
	6	GY	LOW VOLTAGE ELECT	TRONIC FE	ED (< 9 VOLTS)			
	7	RD	ALTERNATOR - RESIS	TANCE				
	8							
CHK DAT	_	CHANGE	REV REFERENCE DRAV		NAME 42/43/44/85/86	600 & 73/74/7500) CIRC DIAGRAMS	
PEC 16JAN	101 PRODUC	CTION RELEASE.	A P54304U RELE P527	ASE NO.	DATE 09AUG00	PART NO. AE08-52365	2 2 OTO WIO	SHEET 01

Figure 1 Circuit Number Identification and Location Chart

INT	ERNATIC	NAL TRUCK	AND ENGINE	COR	RPORATION	ELECT	RICAL CIRCUIT [DIAGRAM	CHAPTER 1		
TO	BE USED I	N ANY WAY DE	N A RESTRICTE TRIMENTAL TO DENGINE CORF	THE I	INTEREST OF		INTERNATIONAL CIRCUIT NUMBER IDENTIFICATION AND LOCATION (CONT.)				
				CIR	CUIT NUMBER	AND IDENTIFICA	TIONS (CONT.)				
		CIRCUIT NUMBER	COLOR		DESCRIPT	ION					
	Ī	9	GY	ZERO VOLT REFERENCE (ZVR)							
		10	WH	CHASSIS/ENGINE GROUND							
		11	WH		CAB/SLEEF	PER GROUND					
		12	LTBL		ACCESSO	RY FEED					
		13	PK BK		IGNITION F		LDER CONNECT	OR)			
	Γ	14	RD		BATTERY F	EED					
	Γ	15	RD		KEY SWITC	CH FEED					
		16									
		17	PK	STARTER CONTROL							
		18	PK	GLOW PLUG/PRE-HEATER							
		19	GY	ENGINE SHUTDOWN							
		20	LTGN		REMOTE P	OWER MODULE					
		21	TN		COLD STAI	RT CONTROLS (I	ETHER)				
		22									
	L	23	TN		ENGINE FA	ENGINE FAN/SHUTTERS					
		24	GY		ENGINE EXHAUST BRAKE						
	L	25	TN	PYROMETER							
	L	26	TN	AMMETER							
	L	27	TN		VOLTMETE	R				_	
	L	28	TN		INSTRUME	NTS AND GAUG	ES			_	
		29	TN		ENGINE W	ATER TEMPERA	TURE			_	
	Ļ	30	TN		ENGINE OI	L TEMPERATUR	E			⊣ ∣	
	Ļ	31	TN		TRANSMIS	SION OIL TEMPE	RATURE			.	
	L	32	TN		AXLE OIL 1	TEMPERATURE					
СНК	DATE	CH	HANGE	REV	REFERENCE	DRAWN	NAME	200 0 70/74/75	00 CIBC DIA CRAMC		
PEC	16JAN01	PRODUCTI	ON RELEASE.	Α	P54304U	U00JXP9 RELEASE NO.	DATE	PART NO.	00 CIRC DIAGRAMS	SHEET	
		I		1	l	P52778H	09AUG00	AE08-52365		02	

Figure 2 Circuit Number Identification and Location Chart (Cont.)

INTERNA	TIONAL TRUCK	AND ENGINE	CORPORATION	ELECTRICAL CIRCUIT DIAGRAM CHAPTER 1			
TO BE USE	D IN ANY WAY DE	TRIMENTAL TO T	BASIS AND IS NOT HE INTEREST OF	INTERNATIONAL CIRCUIT NUMBER			
INTERNAT	IONAL TRUCK ANI	D ENGINE CORPO	PRATION.	IDENTIFICATION AND LOCATION (CONT.)			
			CIRCUIT NUMBER AN	D IDENTIFICATIONS (CONT.)			
	CIRCUIT NUMBER	COLOR	DESCRIPTION				
	33	TN	ENGINE OIL LEVEL	L			
	34	TN	COOLANT LEVEL				
	35	TN	ENGINE OIL PRES	SURE			
	36	TN	FUEL LEVEL				
	37	TN	FUEL PUMP				
	38						
	39	GY	AIR DRYER HEATE	ER			
	40	GY	LOW AIR PRESSU	RE WARNING			
	41	TN	AIR TEMPERATUR	RE			
	42	GY	FRONT AXLE ENG	AGED			
	43	GY	POWER DIVIDER L	LOCK (PDL) WARNING			
	44	GY	PARK BRAKE WAR	RNING			
	45	LTGN	ANTI - THEFT WAR	RNING			
	46	GY	POWER TAKE - OF	F WARNING			
	47	GY	SPEEDOMETER				
	48	GY	TACHOMETER				
	49	GY	DIFFERENTIAL LOCK WARNING				
	50	YL	LIGHT SWITCH FEED				
	51	YL	DIMMER SWITCH F	FEED			
	52	YL	HEADLIGHT HI - BE	EAM			
	53	YL	HEADLIGHT LO - B	BEAM			
	54	BN	PARKING/MARKER	RLIGHTS			
	55	OR	TURN SIGNAL - FE	EED			
	56	OR	TURN SIGNAL LIGH				
	<u></u>	YL		HTS - LEFT (BODY BUILDER CONNECTION)			
	57	OR LT GN	TURN SIGNAL LIG TURN SIGNAL LIG	HTS - RIGHT HTS - RIGHT (BODY BUILDER CONNECTION)			
CHK DA	TE CI	HANGE	REV REFERENCE DRAW				
PEC 16JAN	N01 PRODUCT	ION RELEASE.		ASE NO. DATE PART NO. SHEET			
Щ			P5277	8H 15 MAY 00 AE08-52365 03			

Figure 3 Circuit Number Identification and Location Chart (Cont.)

INT	ERNATIO	ONAL TRUCK	AND ENGINE	COR	PORATION	ELECT	RICAL CIRCUIT [DIAGRAM	CHAPTER 1		
TO	BE USED	S PROVIDED ON IN ANY WAY DE NAL TRUCK AND	TRIMENTAL TO	THE I	NTEREST OF		IATIONAL CIRCU FICATION AND LO		NT.)		
				C	CIRCUIT NUMBE	R AND IDENTIFI	CATIONS (CONT	.)			
		CIRCUIT NUMBER	COLOR		DESCRIPTI	ESCRIPTION					
		58	BN		CLEARANCE/IDENTIFICATION LIGHTS						
		59	GY		SOLENOID						
		60	OR		HAZARD LI	GHTS					
		61	GY		AIR SUSPE	NSION					
		62	DKBL		PANEL LIG	HTS				<u> </u>	
		63	DKBL		COURTES	//DOME LIGHTS				\Box	
		64	YL		FOG/DRIVI	NG LIGHTS				<u> </u>	
		65	OR		CAB REAR	FLOOD LIGHT					
		66	YL		DAYTIME R	RUNNING LIGHT	S			<u> </u>	
		67									
		68	BN		TAIL LIGHTS						
	Γ	69	BN		LICENSE PLATE LIGHT						
	ſ	70	OR RD		STOP LIGHTS STOP LIGHTS (BODY BUILDER CONNECTION)						
		71	OR LTBL		BACK - UP LIGHTS BACK - UP LIGHTS (BODY BUILDER CONNECTION)						
	Ī	72	OR		TRAILER AUXILIARY FEED - BATTERY					7	
	Ī	73	LTGN		PWM						
	Ī	74	LTGN		HEATER RECIRC MOTOR						
	Ī	75	LTGN		HEATER BI	LOWER MOTOR				7	
	Γ	76	LTGN		AUXILIARY FAN						
	Ī	77	LTGN		AIR CONDI	TIONER				7	
		78 LTGN			MIRRORS -	HEATED; MOTO	RIZED			7	
	Ī	79	GY		SEAT BELT	S				7	
	Ī	80	BK		SLEEPER E	BOX RELAY - FE	ED			7	
	81 LTGN			POWER DOOR LOCKS					ヿ゠ヿ		
				+						_	
СНК	DATE	CH	ANGE	REV	REFERENCE	DRAWN	NAME 42/42/44/95/96	200 8 72/74/75			
PEC	16JAN01	PRODUCTION	ON RELEASE.	Α	P54304U	RELEASE NO.	42/43/44/85/86 DATE	PART NO.	00 CIRC DIAGRAMS	SHEET	

Figure 4 Circuit Number Identification and Location Chart (Cont.)

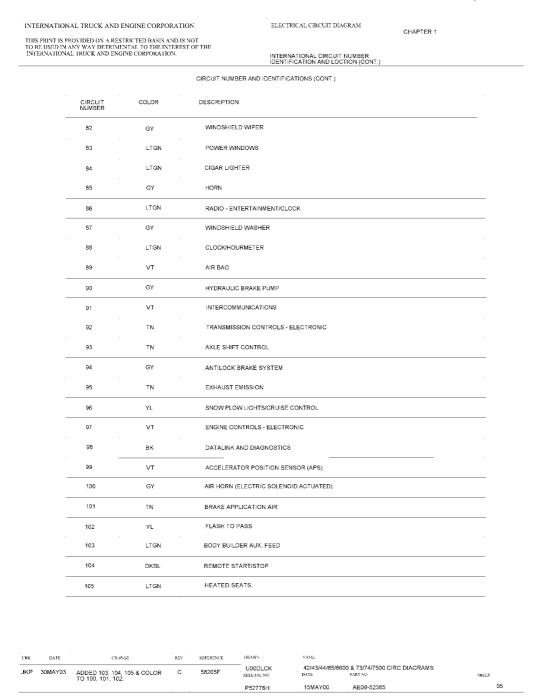


Figure 5 Circuit Number Identification and Location Chart (Cont.)

NAVPAK/ECM I6 ENGINE CONTROLLER CONNECTOR PIN NUMBER IDENTIFICATION, P. 6

BE US	SED IN ANY W	E®→ON A RESTRICTED BASIS AND IS N AY DETRIMENTAL TO THE INTEREST (IX AND ENGINE CORPORATION.	OF	INTERNATIONAL NAVPAKÆCM 16 ENGINE CONTROLLER CONNECTOR PIN NUMBER IDENTIFICATION					
ECM PIN#	TERM	DESCRIPTION		ECM PIN#	TERM	DESCRIPTION			
12	AAT	AMBIENT AIR TEMP. SENSOR		27	IVS	IDLE VALIDATION SWITCH	-		
33	ACD	A/C DEMAND		54	OWL	OIL/WATER WARNING LIGHT			
8	APS	ACCELERATOR POS. SENSOR		25	PWR RLY	CEC MAIN POWER RELAY SIGNAL			
16	ATA(+)	J1708 DATALINK (+)	•	. 31	RAS	RESUME/ACCELERATE			
7	ATA(-)	J1708 DATALINK (-)		37	RPRF	PRESET SPEED			
29	BAP	BAROMETRIC AIR PRESS, SENSOR		30	RPS	REMOTE ACCELERATOR POS. SENS. SIG.			
13	BN01	BRAKE STATUS #1		6	RPS_RTN	REMOTE ACCELERATOR POS. SENS RTN.			
14	BN02	BRAKE STATUS #2		36	RVAR	VARIBLE SPEED SWITCH			
8	CAN SHLD	DRIVETRAIN J1939 DATALINK SHLD		32	scs	SET/COAST			
9	CAN(+)	DRIVETRAIN J1939 DATALINK (+)		45	SIL	SERVICE INTERVAL LIGHT			
20	CAN(-)	DRIVETRAIN J1939 DATALINK (-)		34	STI	SELF TEST INPUT			
5	CBE_SEL1	RETARDER/EXHAUST BRAKE REQUEST	•	48	SUL	SHIFT UP LIGHT			
0	CLS	COOLANT LEVEL SENSOR		59	TACA	TACHOMETER A			
35	COD	CRUISE ON/OFF		60	TACB	TACHOMETER B			
21	DC (+)	POWER		38	TCSS	TORQUE CURVE SELECTION INPUT			
22	DC (+)	POWER	•	28	TSA	TWO SPEED AXLE			
1	DC (-)	GROUND		3	VBREF(5V)	ACCELERATOR SENSOR SUPPLY			
2	DC (-)	GROUND		11	VBREF GND	ACCELERATOR SENSOR GROUND			
26	DDS	DRIVELINE DISENGAUGED INPUT		5	VCREF(5V)	REMOTE ACCELERATOR SENS. SUPPLY			
2	DPS	GROUND		7	VCREF GND	REMOTE ACCELERATOR SENSOR GND			
16	ECI	ENGINE CRANK INHIBIT		24	VIGN	IGNITION FEED			
56	EDL	TRANSMISSION KICKDOWN		47	VRE	RETARDER/EXHAUST BRAKE ENABLE			
53	GPL	GLOW PLUG LIGHT		39	VSS(+)	VEHICLE SPEED SENSOR (+)	_		
4	HGE	HYD. PRESS GOVERNOR ENABLE		40	VSS(-)	VEHICLE SPEED SENSOR (-)			
49	HMI	HYDRAULIC PRESS GOVERNOR IND. LT		58	VSSCALA	SPEEDOMETER SIGNAL A			
13	HPS	HYDRAULIC PRESSURE SENSOR		57	VSSCALB	SPEEDOMETER SIGNAL B			
41	HSO (+)	POWER		55	WARN	ENGINE WARNING LIGHT			
23	HSO (-)	GROUND							
D. 12SE	ATE ADDED	CHANGE REV REFER D PIN # CHART. C 58774*	U00JXP9			D & 73/74/7500 CIRC DIAGRAMS			
,200	ADDEL	0 30774	RELEASE N	10.	DATE	PART NO.	SHEET		

Figure 6 NAVPAK/ECM I6 Engine Controller Connector Pin Number Identification

CIRCUIT DIAGRAM INSTRUCTIONS, P. 7

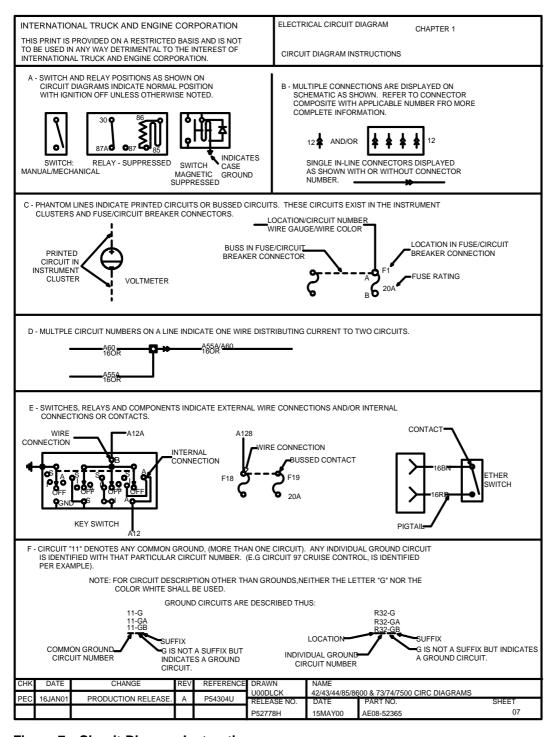


Figure 7 Circuit Diagram Instructions

CIRCUIT DIAGRAM INSTRUCTIONS, P. 8

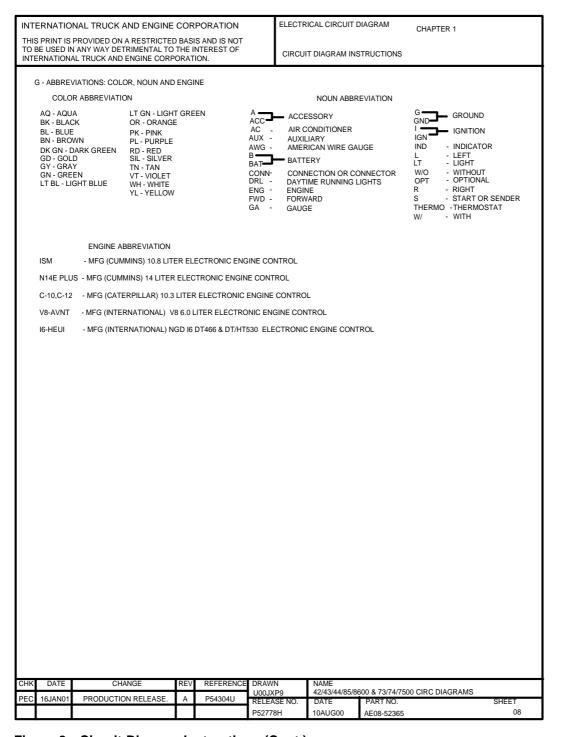


Figure 8 Circuit Diagram Instructions (Cont.)

SCHEMATIC SYMBOL CHART, P. 9

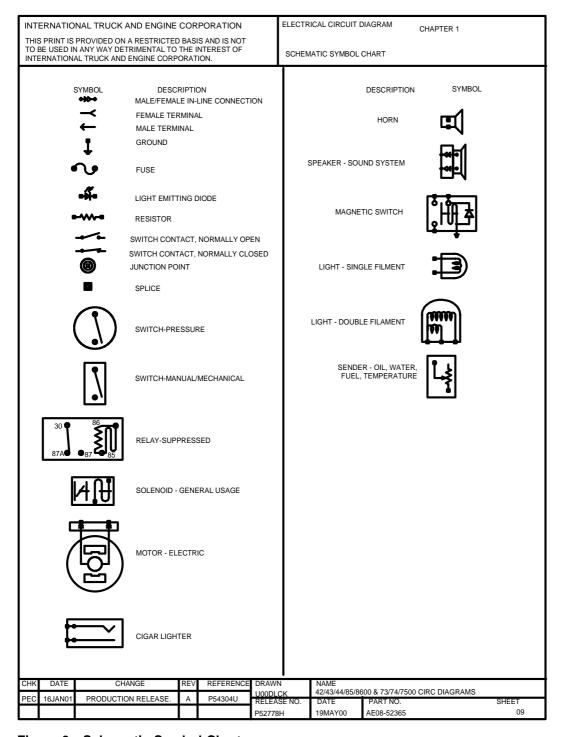


Figure 9 Schematic Symbol Chart

RELAY FUNCTIONS, P. 10

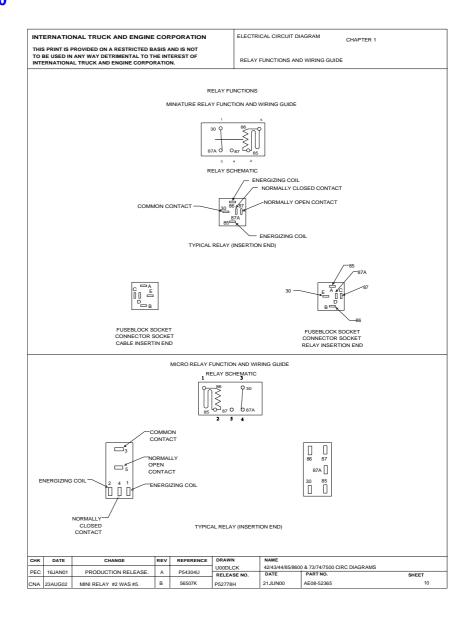


Figure 10 Relay Functions

LAMP BULB CHART, P. 11

USED IN ANY WAY DETRIMENTAL TO THE II NATIONAL TRUCK AND ENGINE CORPORAT		LAMP	BULB CHART		
BULB APPLICATION		DLEPOWER OR			BULB TRADE NUMBER
		32 CANDLEPOWER ————			
CLEARANCE & INDENTIFICATION					
			R		
DOME LIGHTS					
FOG LIGHTS	5	5 CANDLEPOW	ER 		► VH550
HEAD LIGHTS:					
LOW BEAMS		5 WATTS -			■ GE9007
HIGH BEAM9		5 WATTS -			■ GE9007
INSTRUMENT CLUSTER:					
GAUGE BACK LIGHT					• 082S270538-3
RANGE INHIBIT LED (YELLOW)					• 082S272109-4
COLD AMBIENT PROTECTION LED (YEI					
FUEL FILTER LED (YELLOW)					• 082S272109-4
WARN ENGINE LED (YELLOW)					• 082S272109-4
BRAKE PRESSURE LED (RED)					• 082S272109-3
WAIT TO START LED (YELLOW)					• 082S272109-4
CHECK TRANSMISSION LED (YELLOW)					• 082S272109-4
TRAILER ABS LED (YELLOW)					• 082S272109-4
WASHER FLUID LED (YELLOW)					■ 082S272109-4
LEFT TURN SIGNAL LED (GREEN)					082S272109-2
TRACTION CONTROL LED (GREEN)					082S272109-2
WATER IN FUEL LED(YELLOW)					■ 082S272109-4
PARK FLUID LED LIGHT (RED)					
CHECK ELECTRICAL SYSTEMS LED (YI					
PARK BRAKE LED (RED)					
CRUISE CTRL ACTIVE LED (GREEN)					
ANTILOCK BRAKING SYSTEM LED (YEL					
RIGHT TURN LED (GREEN)					
COOLANT LEVEL LED (RED)					
SEAT BELT LED (RED)					
HIGH BEAM ICON LED (BLUE)					
CHECK AIR CONDITIONER LED (YELLO	W)				■ 082S272109-4
RETARD OVER HEAT LED (RED)	**,				• 082S272109-3
PTO/THROTTLE LED (RED)					■ 082S272109-3
MAP LIGHT		CANDLEPOWE			■ 1816
SIDE MARKER		0,115221 0112	`		2 458
STOP & TURN/TAIL & LICENSE PLATE	3	2/3 CANDI EDOI	WER		■ 1157
TURN SIGNAL/MARKER (FENDER)	J.	Z/J OANDELI O	VEIX		• 3157
TURN SIGNAL & MARKER LIGHT					2 356
WORK (TRAILER HOOK-UP) LIGHT					- 4411
DATE CHANGE REV	REFERENCE	DRAWN	NAME		

Figure 11 Lamp Bulb Chart

INTERNATIONAL V8 AND I6 ECM CONTROLLER CONNECTORS PIN NUMBER IDENTIFICATION, P.12

IS PR	INT IS PROVIDE	JEK AND ENGINE CO ENDON A RESTRICTED B AY DETRIMENTAL TO TH K AND ENGINE CORPOR	ASIS . IE INT	AND IS NOT EREST OF	INTE	RNATIO	CIRCUIT DIA NAL V8 & I6 ECI R CONNECTOR NTIFICATION	CHAPTER 1	
NNEC	TOR X3 REFERE	NCE (6020)					TOR X4 REFER	ENCE (6021)	
ECM PIN #	TERM	DESCRIPTION				ECM PIN#	TERM	DESCRIPTION	
1	FPM	FUEL PUMP MONITIOR				1	KL.87	BATTERY POWER	
2	FLI	FUEL LEVEL INDICATOR	?			2	KL.87	BATTERY POWER	
3	KL.15	IGNITION FEED				3	TAL.O7	NOT POPULATED	
4	ECL	FNGINE COOLANT LEVE	=1			4	VBREF	SENSOR REFERENCE VOLTAGE	
5	MPR	MAIN POWER RELAY				- 5	VBREF	NOT POPULATED	
6	KL.31	GROUND				6	LSI_SPARE2		
		GROUND					LSI_SPARE2	NOT POPULATED	
7	KL.31	DRIVELINE DISENAGE:	PIAZITO			7		NOT POPULATED	
9	DDS	FUEL PUMP CONTROL	SVVIIC			8 9	VSS-	VEHICLE SPEED SENSOR-	
		TORQUE CURVE SELEC	`T 0*	ITCH				VEHICLE SPEED SENSOR+	
10	TCSS			пон		10	VSS+		
11	TACH	TACHOMETER CONTRO				11		NOT POPULATED	
12	CAN1+	DRIVETRAIN J1939 DAT				12	IVS	IDLE VALIDATION SWITCH NOT POPULATED	
13	CAN1-		ALINE			13			
14	RAS	RESUME/ACCELERATE				14	EFAN	ELECTRIC FAN CONTROL	
15	CAN1-SHLD	DRIVETRAIN 1939 DATA	ALINK	SHLD		15	LSO_SPARE4		
16		NOT POPULATED				16		NOT POPULATED	
17	VSS_CAL	VEHICLE SPEED SENSO CALIBRATION	OR			17		NOT POPULATED	
18	VRE	VEHICLE RETARDER E	NABLI			18	APS	ACCELERATION POSITION SENSOR	
19	RPRE	REMOTE PRESET PTO	ENAB	LE		19		NOT POPULATED	
20	RVAR	REMOTE VARIABLE PT	O ENA	BLE		20	ATA+	J1708 DATALINK +	
21	scs	SET/COAST				21	ATA-	J1708 DATALINK -	
22	ESHTR	ELECTRONIC SHUTTER	REL/	Υ		22		NOT POPULATED	
23	ECI	ENGINE CRANK INHIBIT				23	GSC	GENSET SPEED CONTROL	
24	BAP	BAROMETRIC AIR PRES	SURE			24	KL.31B	SENSOR REFERENCE GROUND	
	DATE	CHANGE	REV	REFERENCE	DRAWN	N/A	ME		
-	EB03	CONN X4 INOUT	В	58928S	U00DLCK RELEASE NO.	42/4	3/44/85/8600 & TE	73/74/7500 CIRC DIAGRAMS PART NO. SHEE	т

Figure 12 International V8 and I6 ECM Controller Connectors Pin Number Identification

12 VOLT POWER DISTRIBUTION CIRCUIT DIAGRAMS (CHAPTER 2)

ACCESSORY, P. 1

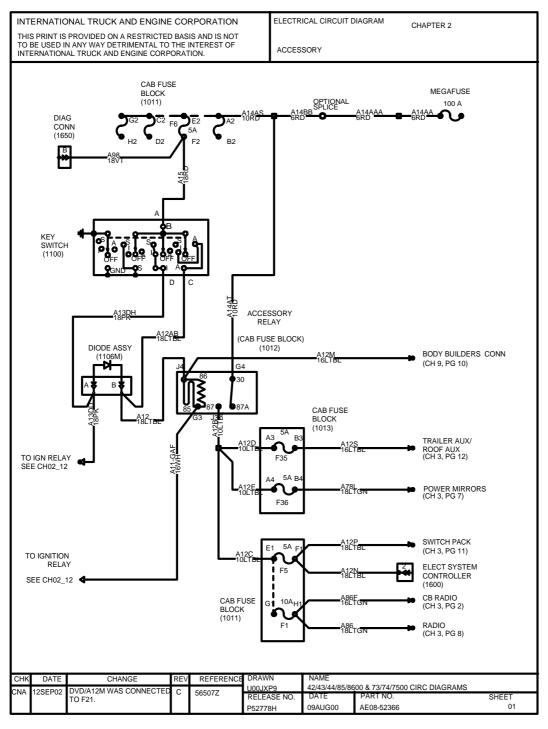


Figure 13 Accessory

BATTERY FEEDS, CAB, P. 2

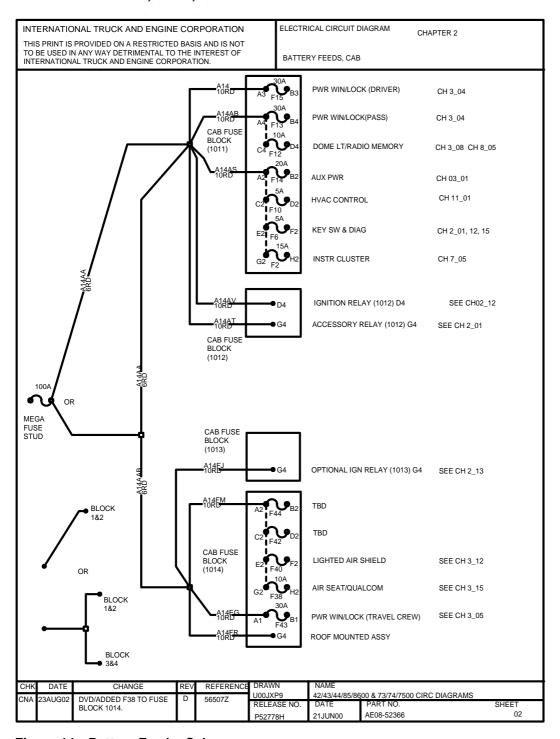


Figure 14 Battery Feeds, Cab

BATTERY, P. 3

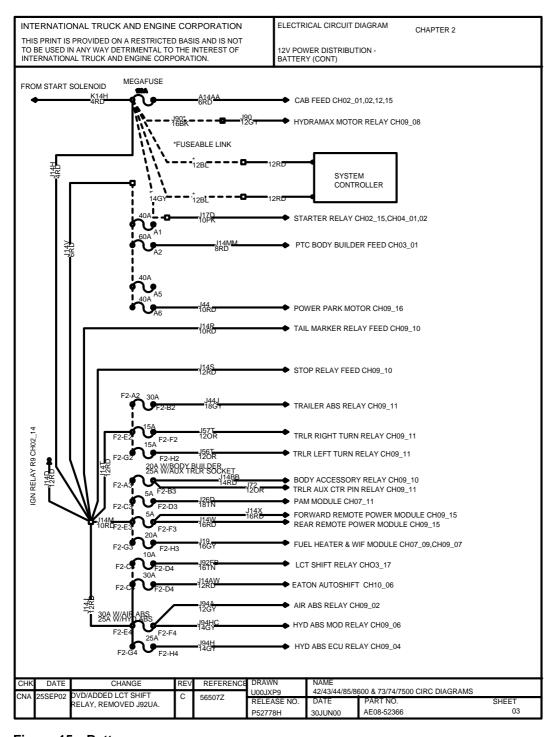


Figure 15 Battery

1708 DATA LINK, P. 4

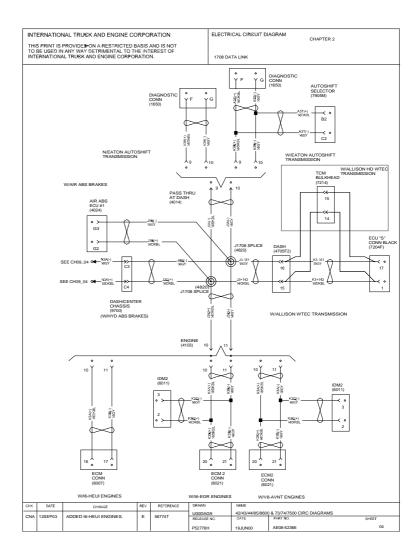


Figure 16 1708 Data Link

SWITCH DATA LINK, P. 5

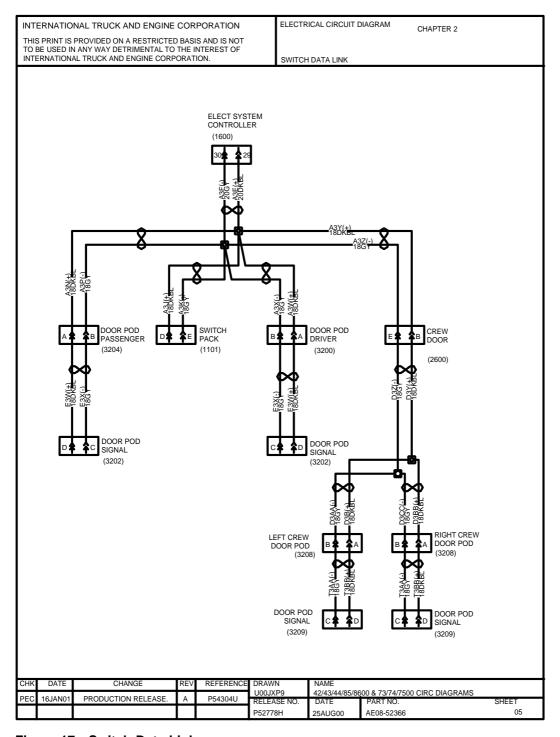


Figure 17 Switch Data Link

DRIVETRAIN 1939 DATA LINK (CAB), P. 6

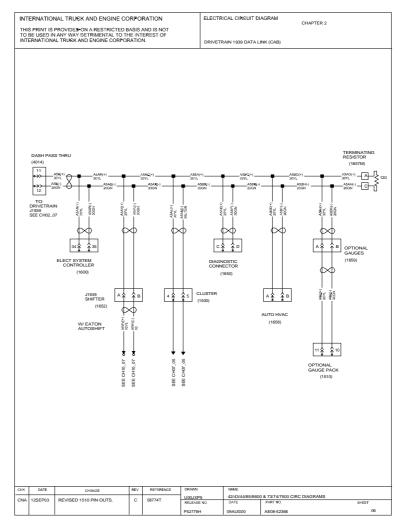


Figure 18 Drivetrain 1939 Data Link (Cab)

DRIVETRAIN 1939 DATA LINK (CHASSIS), P. 7

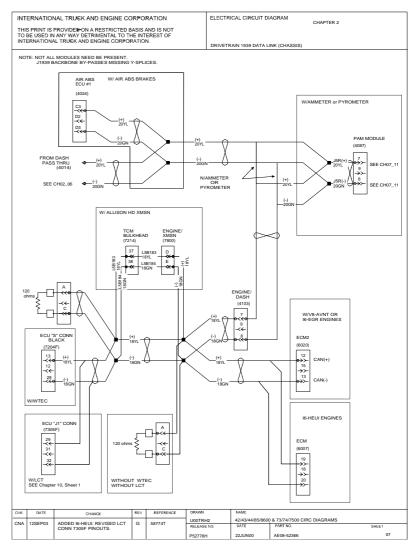


Figure 19 Drivetrain 1939 Data Link (Chassis)

GROUNDS CHASSIS, P. 8

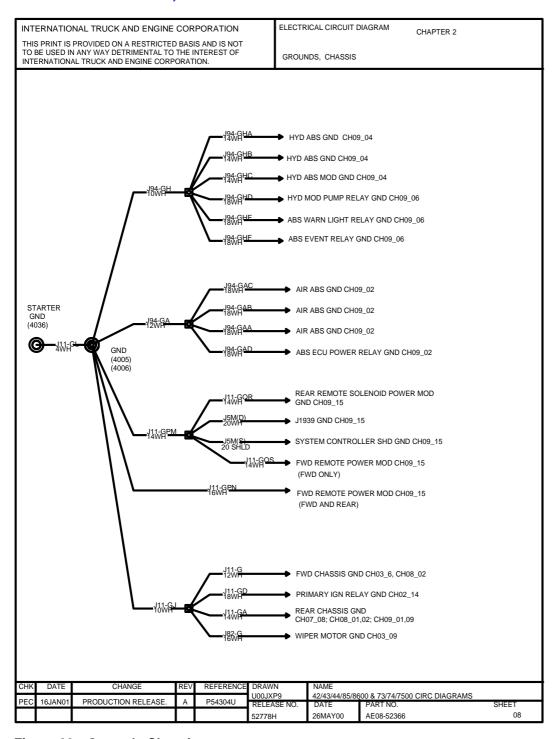


Figure 20 Grounds Chassis

GROUNDS CHASSIS, P. 9

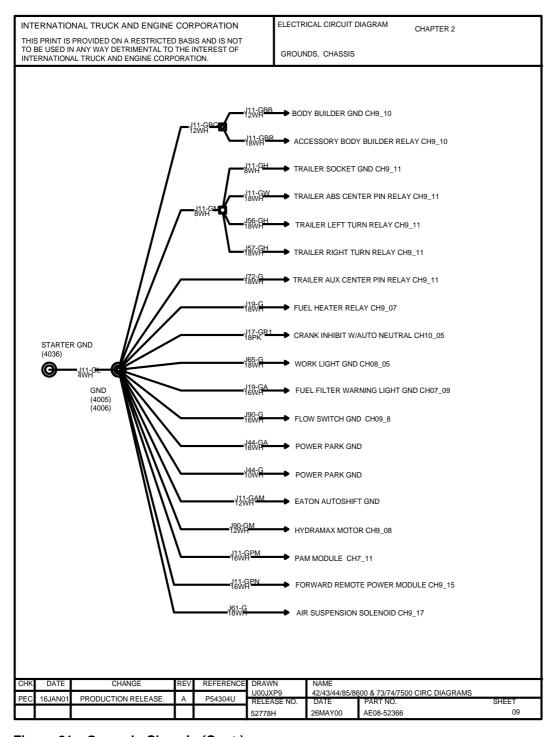


Figure 21 Grounds Chassis (Cont.)

GROUNDS IP, P. 10

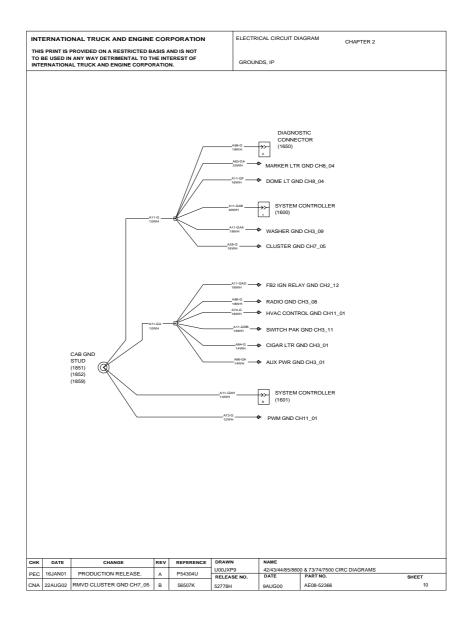


Figure 22 Grounds IP

GROUNDS IP, P. 11

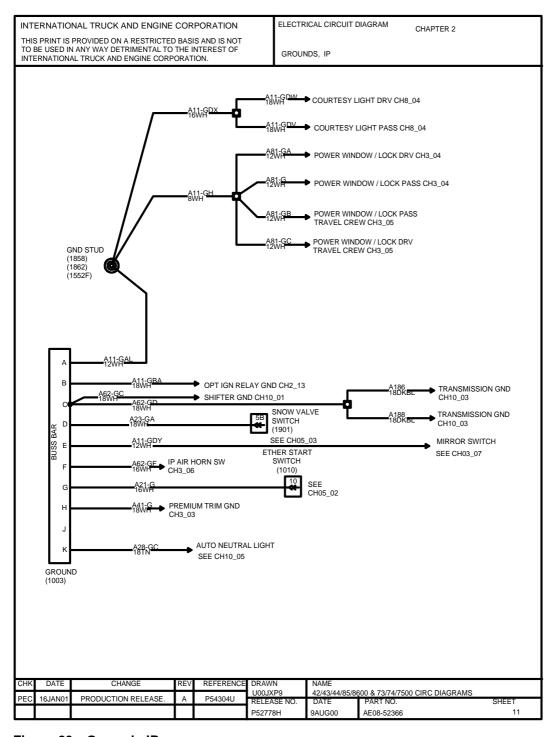


Figure 23 Grounds IP

IGNITION CAB, P. 12

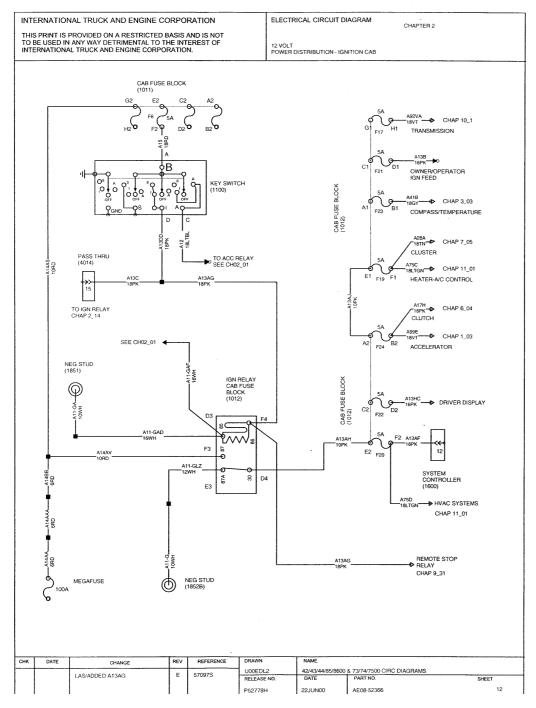


Figure 24 Ignition Cab

IGNITION CAB, P. 13

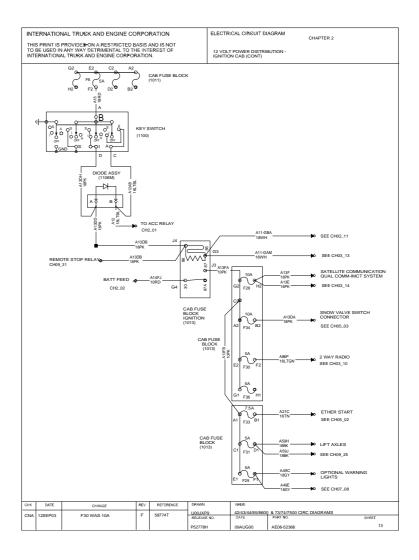


Figure 25 Ignition Cab (Cont.)

IGNITION FEEDS, CHASSIS, P. 14

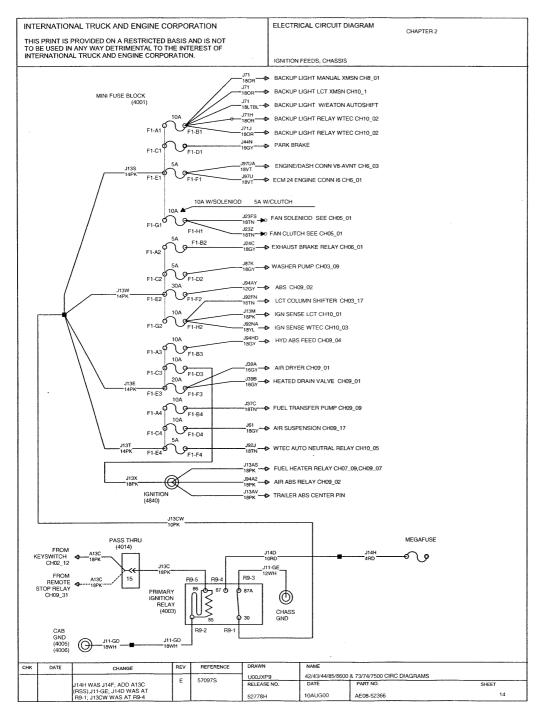


Figure 26 Ignition Feeds, Chassis

START, P. 15

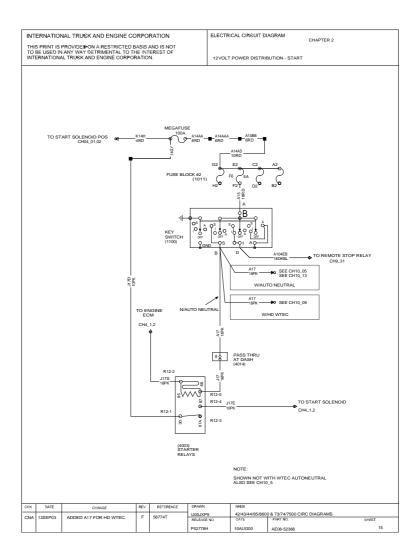


Figure 27 Start

CAB ACCESSORIES (CHAPTER 3)

CIGAR LIGHTER AND POWER FEEDS, P. 1

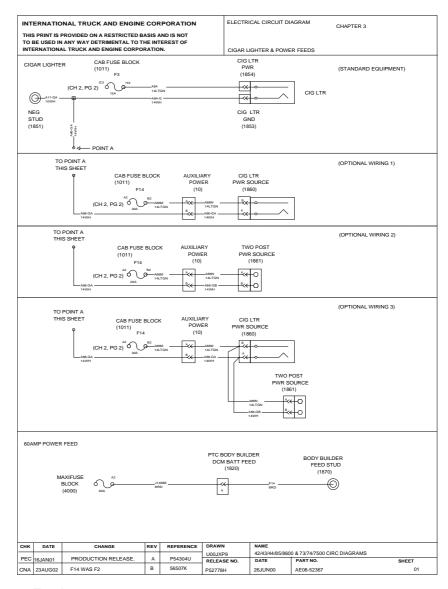


Figure 28 Cigar Lighter and Power Feeds

CB POWER, P. 2

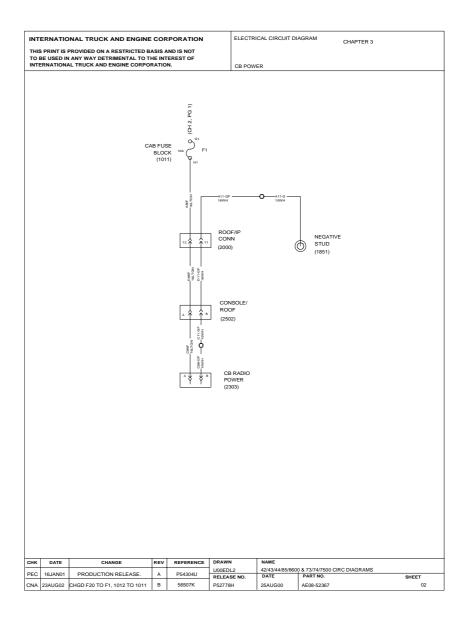


Figure 29 CB Power

COMPASS AND TEMPERATURE DISPLAY, P. 3

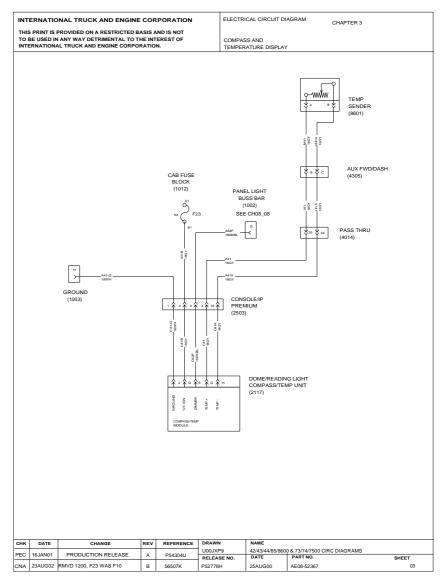


Figure 30 Compass and Temperature Display

FRONT DOORS WINDOWS AND LOCKS (POWER), P. 4

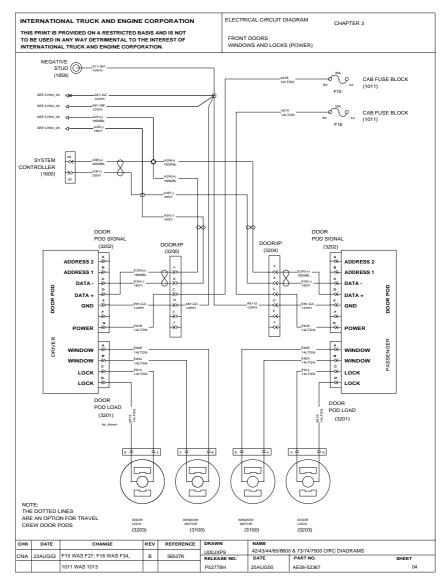


Figure 31 Front Doors Windows and Locks (Power)

CREW DOORS WINDOWS AND LOCKS (POWER), P. 5

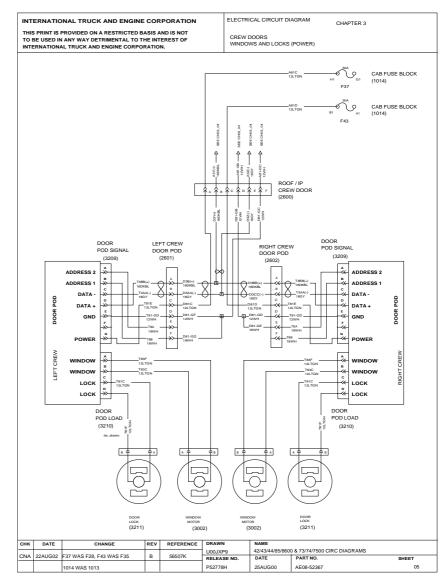


Figure 32 Crew Doors Windows and Locks (Power)

HORN, DUAL ELECTRIC, P. 6

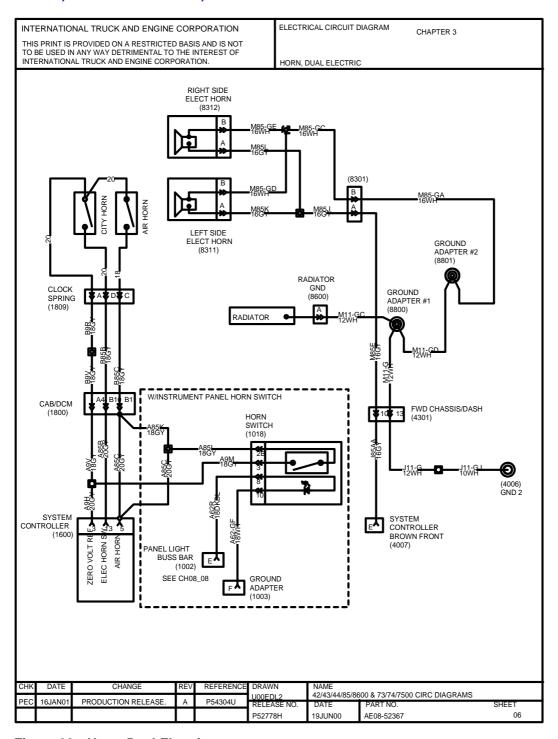


Figure 33 Horn, Dual Electric

MIRRORS (HEATED, LIGHTED AND POWER), P. 7

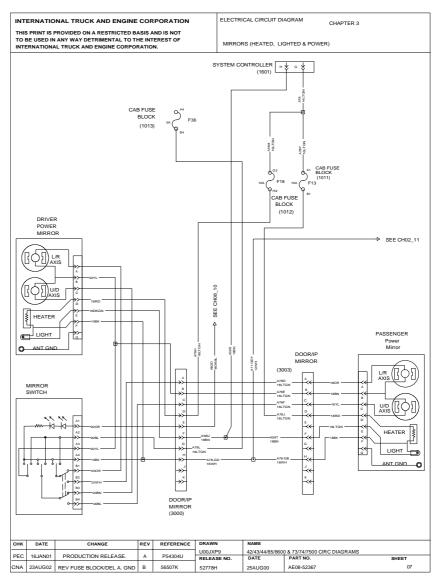


Figure 34 Mirrors (Heated, Lighted and Power)

RADIO (ENTERTAINMENT), SPEAKERS, P. 8

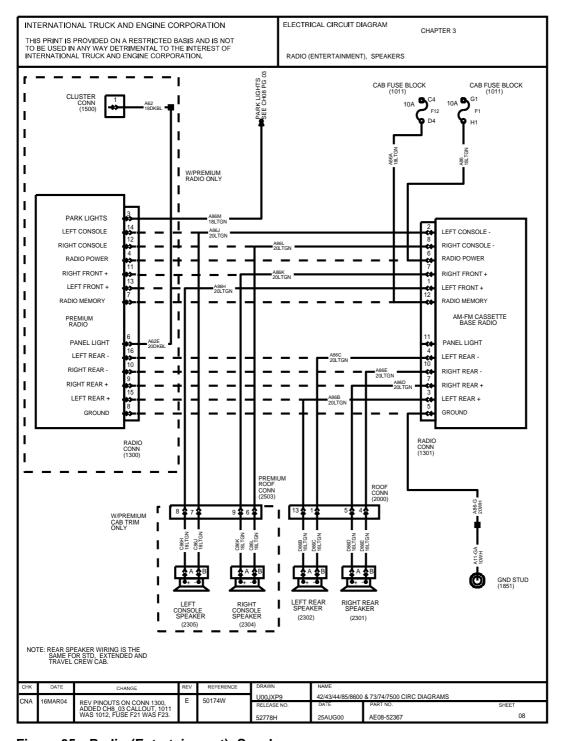


Figure 35 Radio (Entertainment), Speakers

WINDSHIELD WIPER AND WASHER PUMP, P. 9

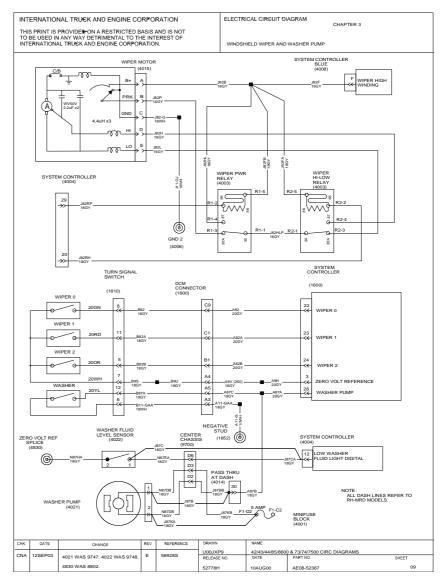


Figure 36 Windshield Wiper and Washer Pump

2-WAY RADIO, P. 10

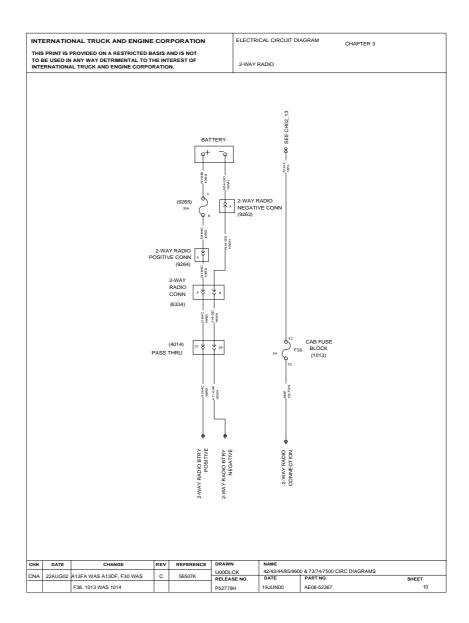


Figure 37 2-Way Radio

SWITCH PACK, OPTIONAL GAUGE PACK, P. 11

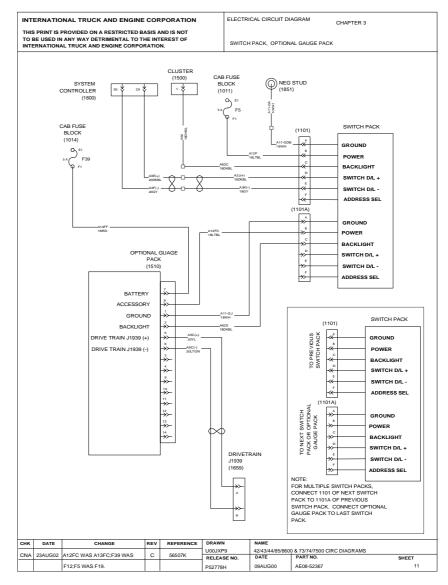


Figure 38 Switch Pack, Optional Gauge Pack

LIGHTED AIR SHIELD, P. 12

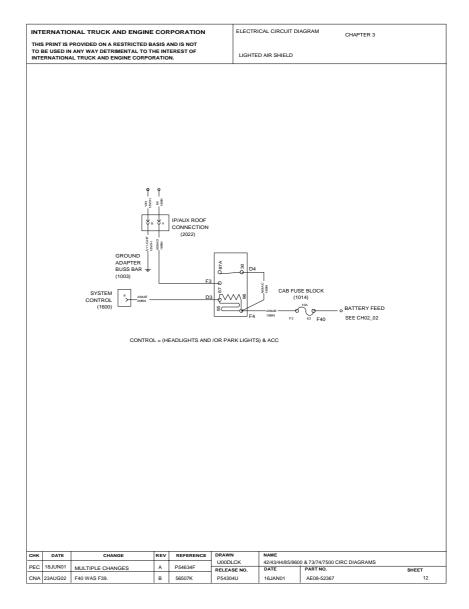


Figure 39 Lighted Air Shield

ROOF AUX. LOAD, P. 13

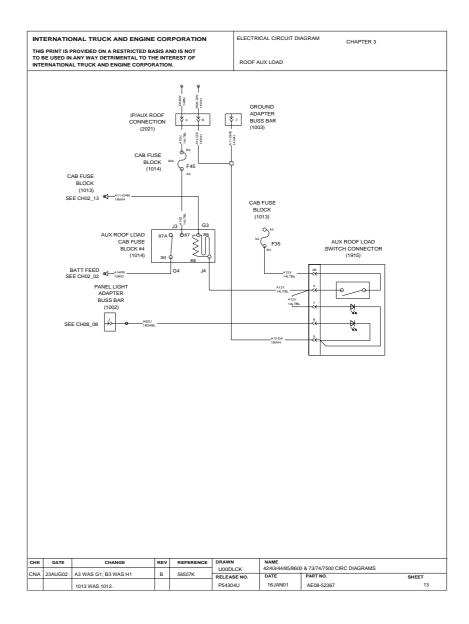


Figure 40 Roof Aux. Load

SATELLITE COMMUNICATION QUALCOMM-MCT AND IMCT SYSTEMS, P. 14

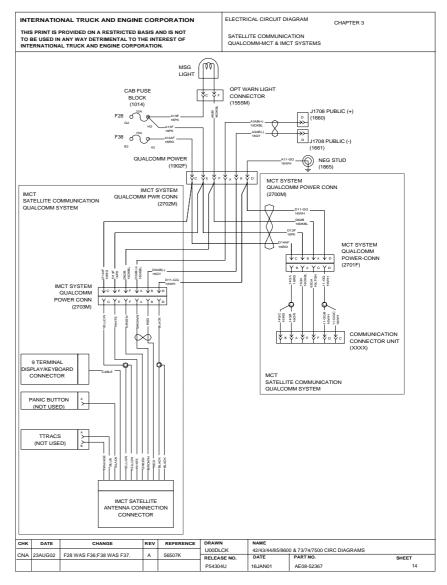


Figure 41 Satellite Communication Qualcomm-MCT and IMCT Systems

SELF CONTAINED AIR SEAT, P. 15

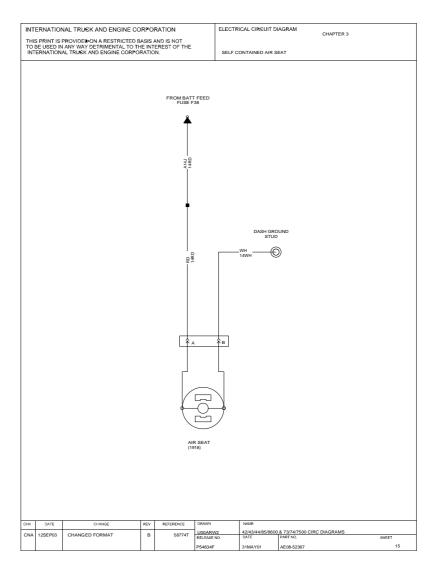


Figure 42 Self Contained Air Seat

DIGITAL CLOCK PTC, P. 16



Figure 43 Digital Clock PTC

TRANSMISSION ALLISON LCT COLUMN SHIFTER, P. 17

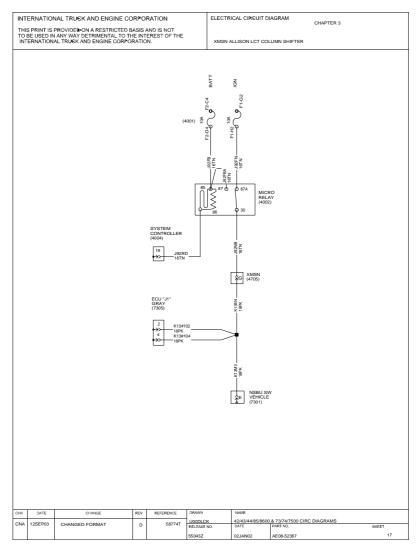


Figure 44 Transmission Allison LCT Column Shifter

HEATED SEATS FOR 7700 MODELS ONLY, P. 18

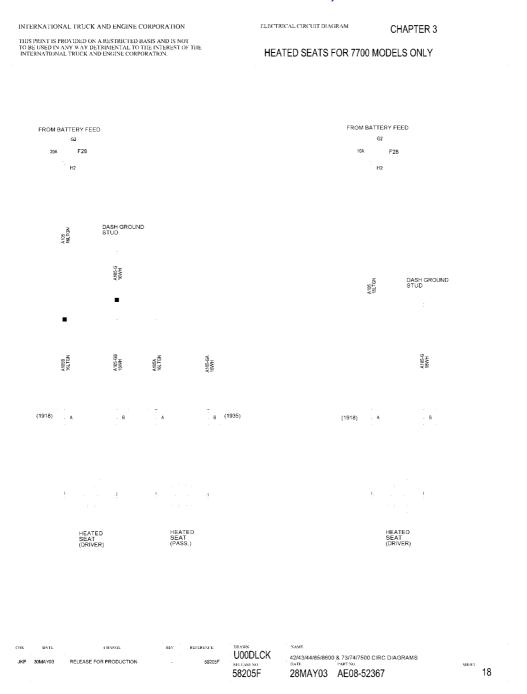


Figure 45 Heated Seats for 7700 Models Only

BACKUP CAMERA, P. 19

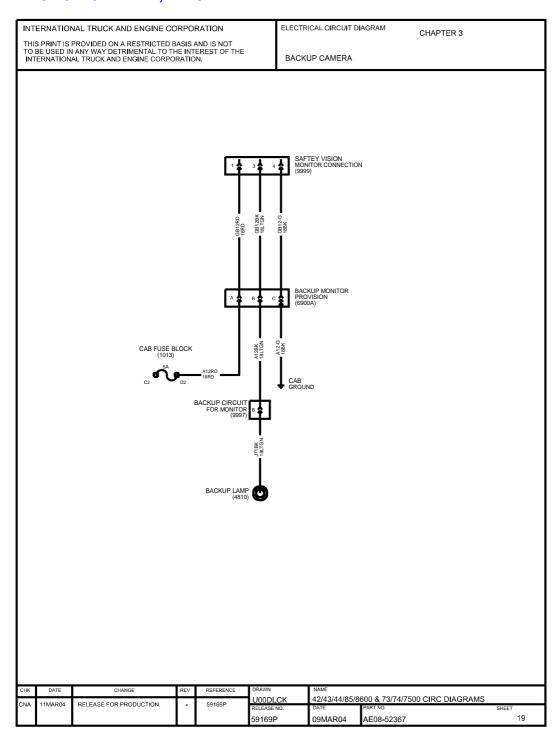


Figure 46 Backup Camera

XATA COMPUTER, P. 20

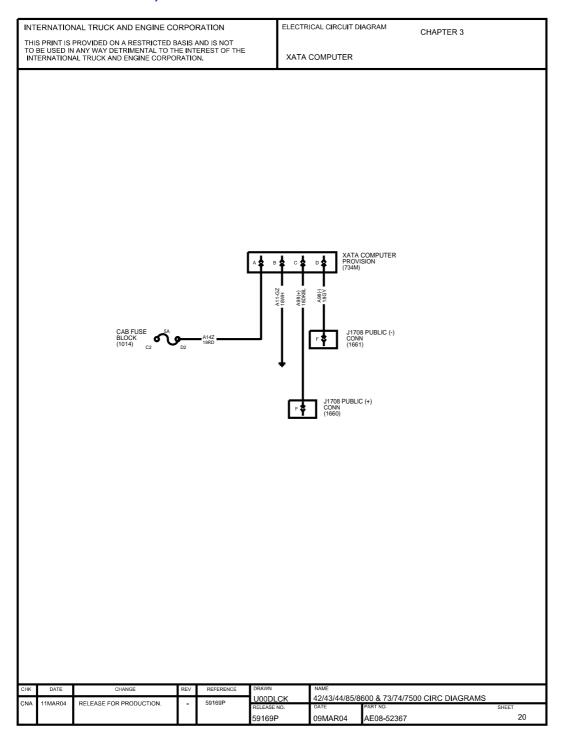


Figure 47 XATA Computer

KEYLESS IGNITION SYSTEM, P. 21

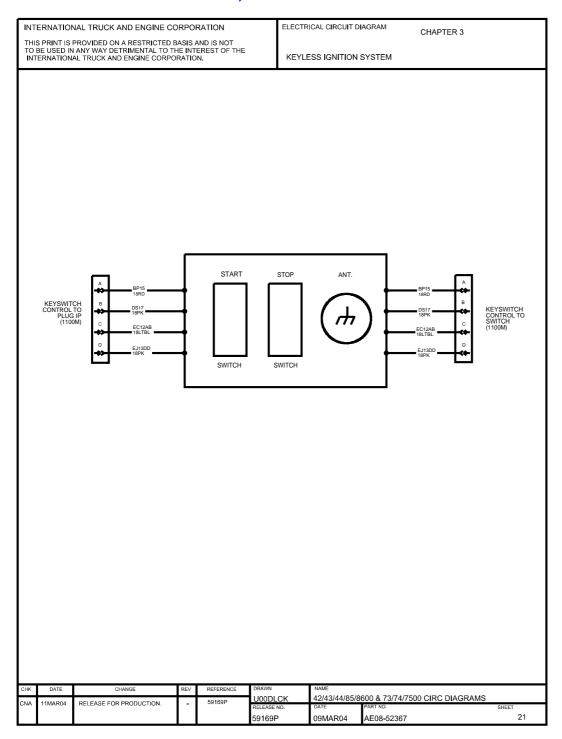


Figure 48 Keyless Ignition System

12V CHARGING + CRANKING SYSTEM (CHAPTER 4)

16 EGR ENGINES, P. 1

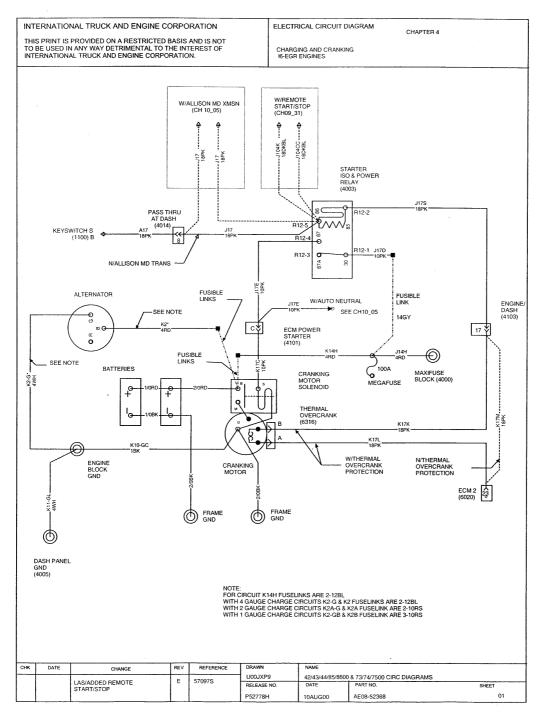


Figure 49 I6 EGR Engines

V8 AVNT ENGINES, P. 2

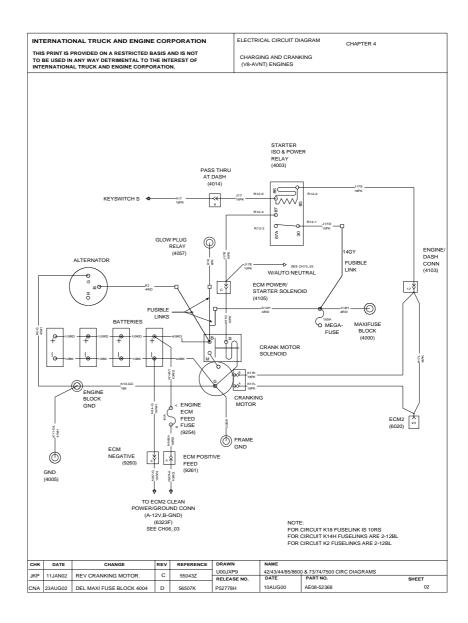


Figure 50 V8 AVNT Engines

CATERPILLAR, CUMMINS ISM ENGINES, P. 3

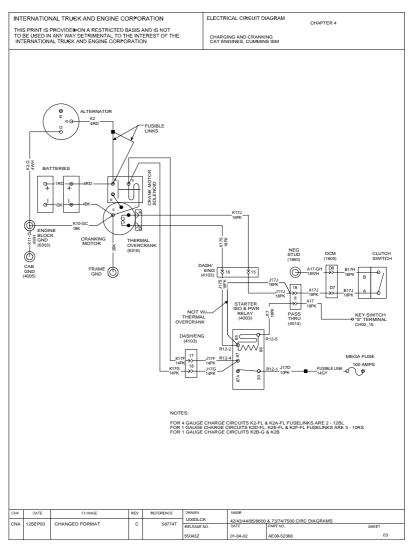


Figure 51 Caterpillar, Cummins ISM Engines

16 HEUI ENGINES, P. 4

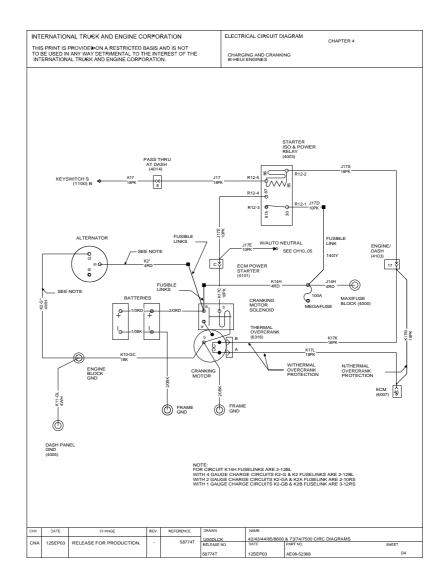


Figure 52 I6 HEUI Engines

CATERPILLAR ENGINES, CUMMINS ISM AND WITH EATON ULTRASHIFT/DM2, P. 5

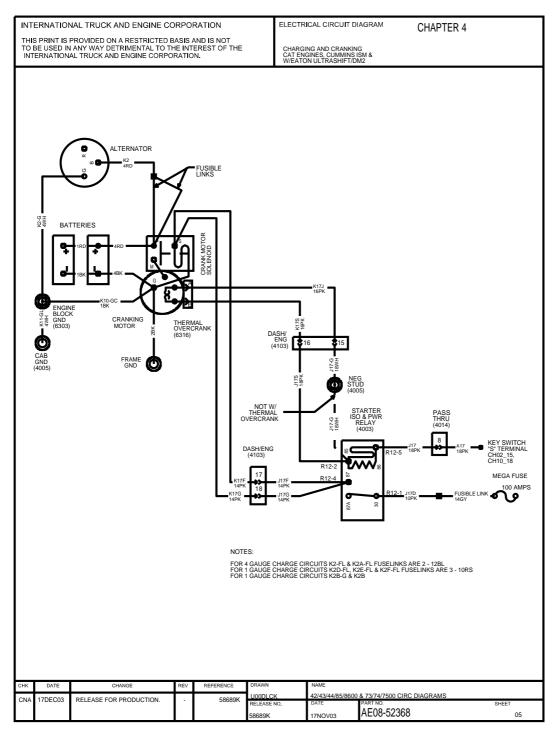


Figure 53 Caterpillar Engines, Cummins ISM and with Eaton Ultrashift/DM2

16 EGR ENGINES WITH AIR START, P. 6

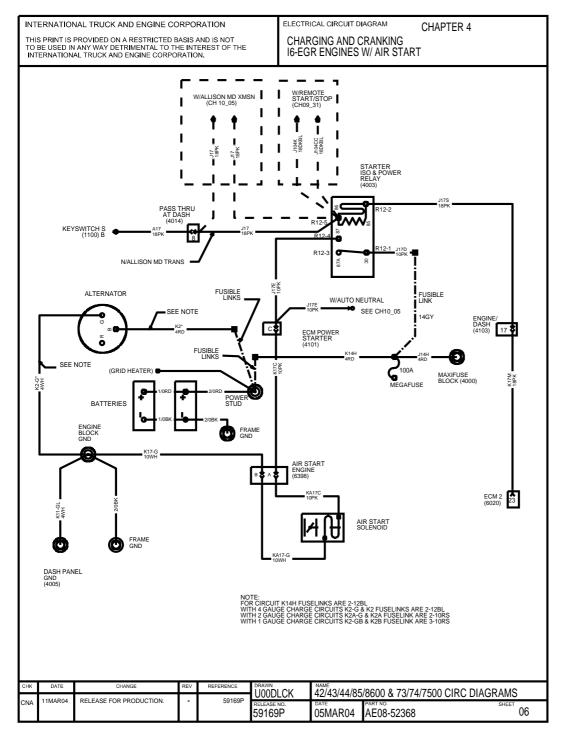


Figure 54 I6 EGR Engines with Air Start

FANS AND ENGINE ACCESSORIES (CHAPTER 5)

FAN WIRING, P. 1

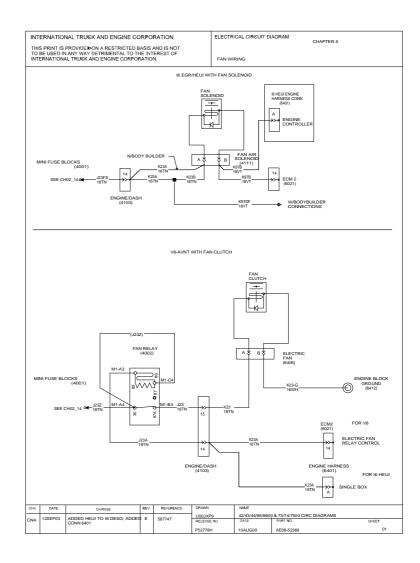


Figure 55 Fan Wiring

ETHER START, P. 2

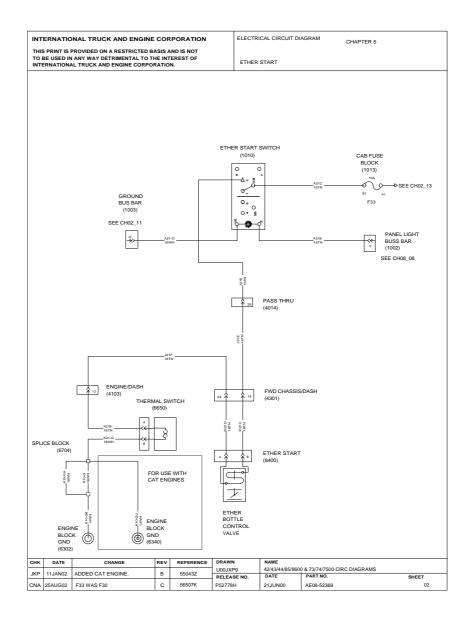


Figure 56 Ether Start

SNOW VALVE, P. 3

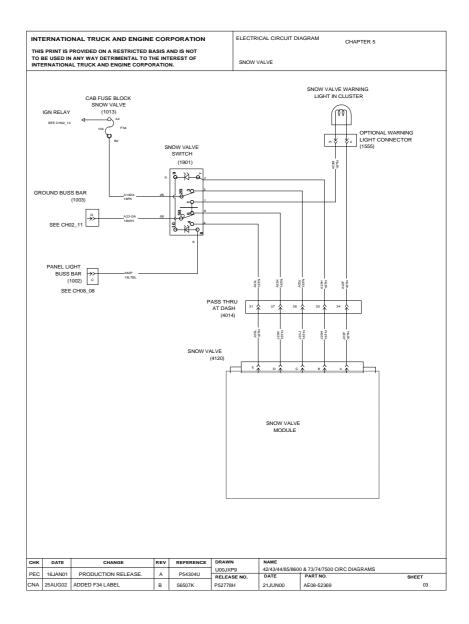


Figure 57 Snow Valve

FAN WIRING, CATERPILLAR AND CUMMINS, P. 4

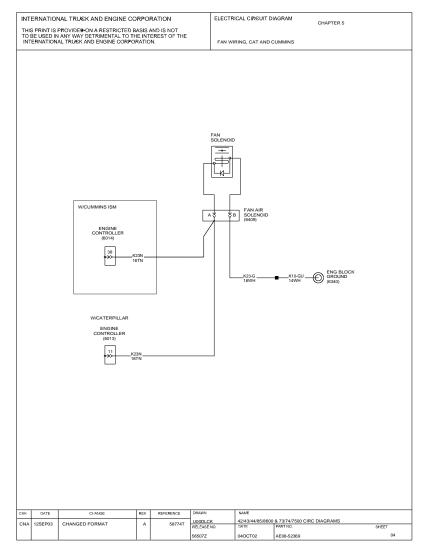


Figure 58 Fan Wiring, Caterpillar and Cummins

ELECTRONIC ENGINES (CHAPTER 6)

ELECTRONIC ENGINE CONTROLS, 16-EGR ENGINES, P. 1

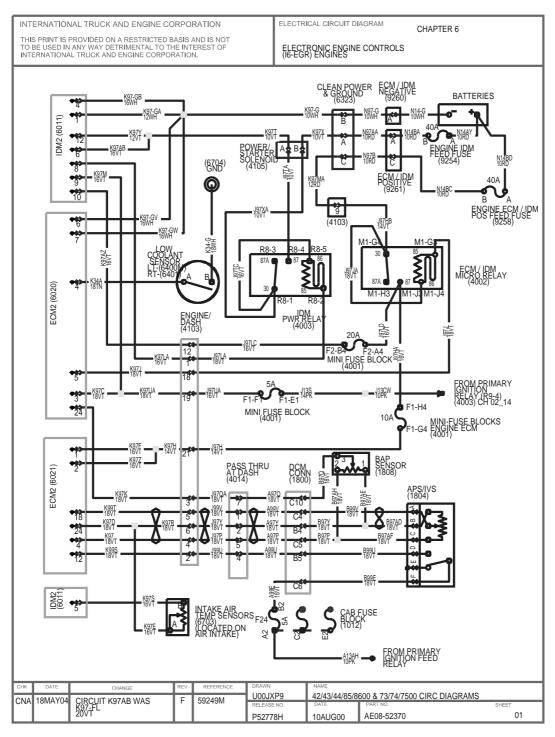


Figure 59 Electronic Engine Controls, I6-EGR Engines

ELECTRONIC ENGINE CONTROLS, I6-EGR ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS, P. 2

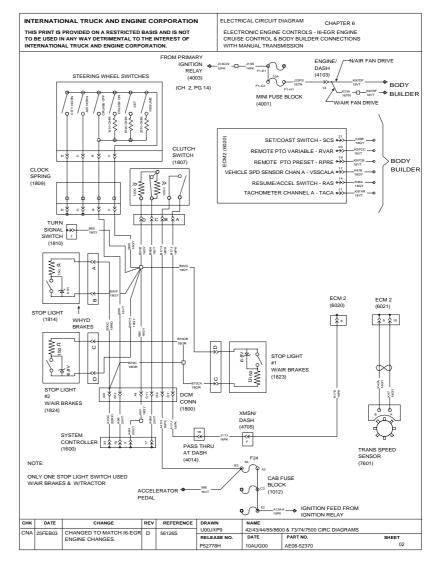


Figure 60 Electronic Engine Controls, I6-EGR Engine Cruise Control and Body Builder Connections

ELECTRONIC ENGINE CONTROLS, (V8-AVNT) ENGINES, P. 3

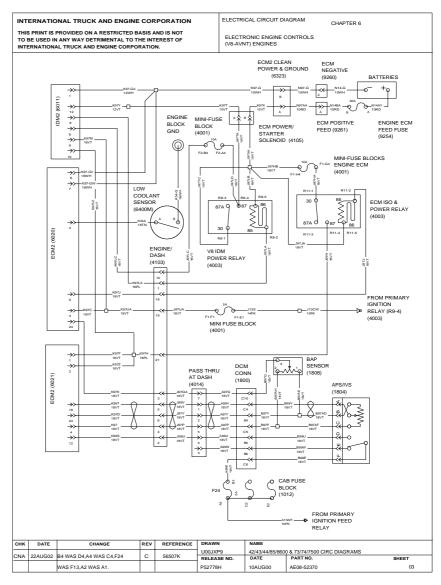


Figure 61 Electronic Engine Controls, (V8-AVNT) Engines

ELECTRONIC ENGINE CONTROLS, V8-AVNT ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS, P. 4

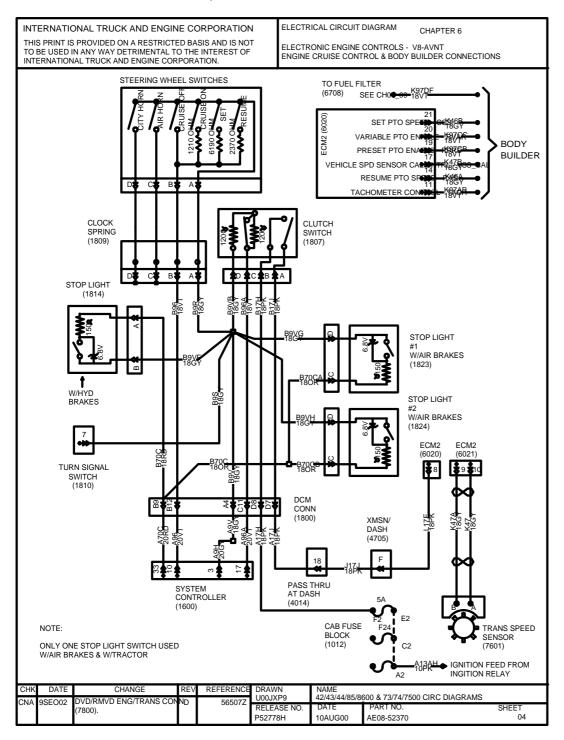


Figure 62 Electronic Engine Controls, V8-AVNT Engine Cruise Control and Body Builder Connections

CATERPILLAR C10, C11, C12, AND C13 ENGINES, P. 5

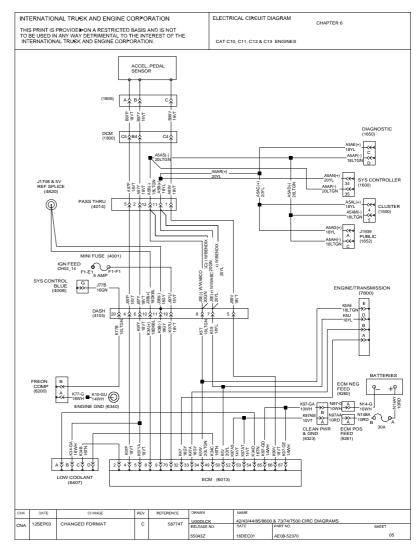


Figure 63 Caterpillar C10, C11, C12, and C13 Engines

CUMMINS ISM ENGINE, P. 6

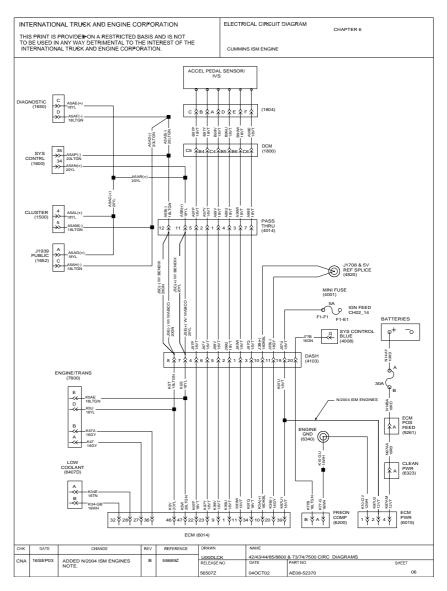


Figure 64 Cummins ISM Engine

16 HEUI ENGINE, P. 7

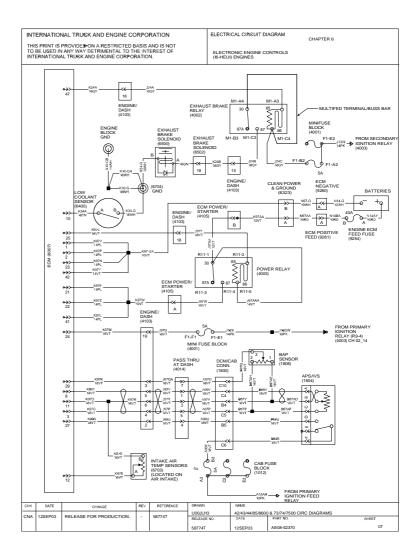


Figure 65 I6 HEUI Engine

16 HEUI ENGINE CRUISE CONTROL AND BODY BUILDER CONNECTIONS WITH MANUAL TRANSMISSION, P. 8

