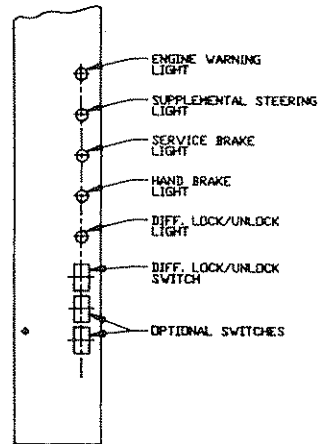


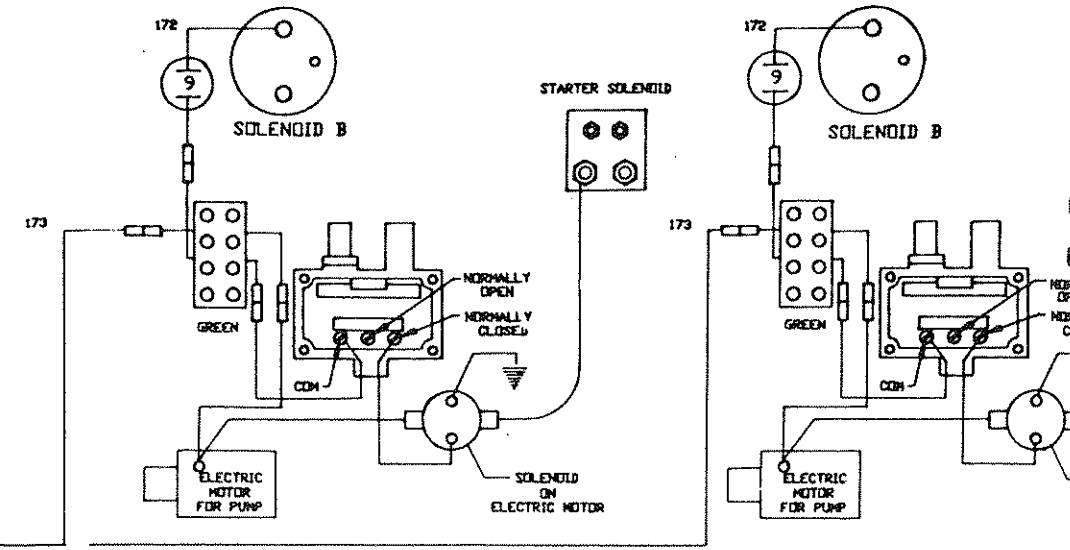
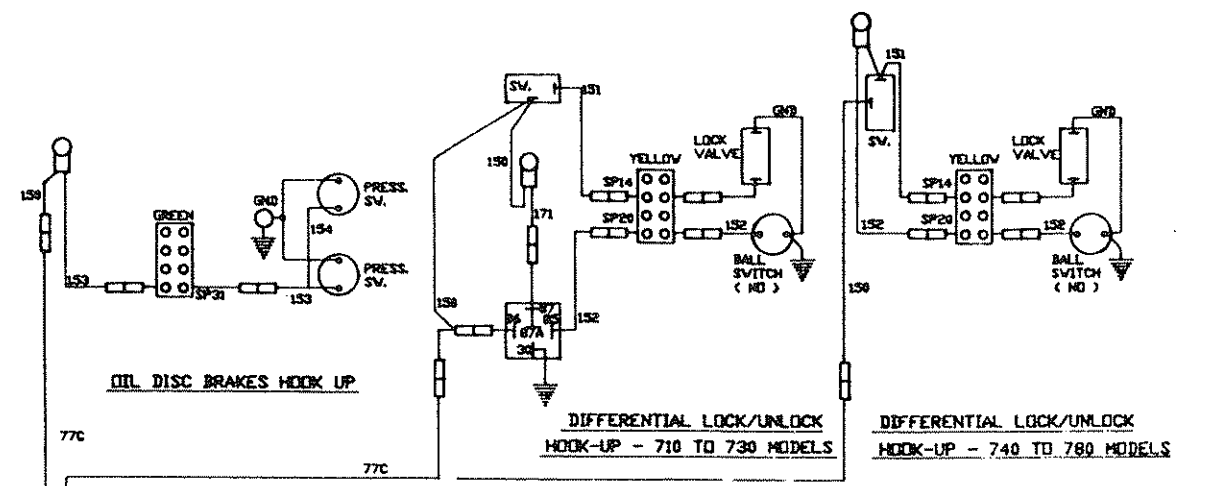
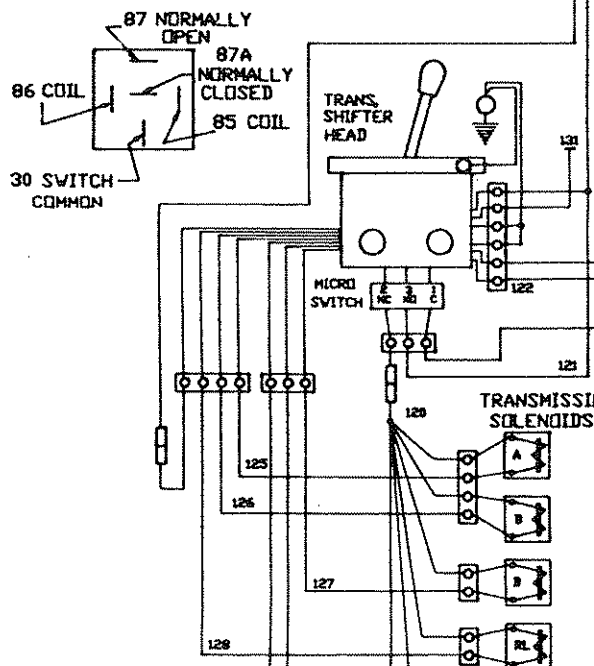
LEGEND

- SPLICE
- WIRES CROSS NO SPLICE
- GROUND
- PUSH ON SPADE CONNECTION
- SINGLE TERMINAL CONNECTION
- RING TERMINAL CONNECTION
- DUAL PURPOSE CIRCUIT
- MOLDED MULTIPLE CONNECTOR
- CIRCUIT BREAKER
- WARNING LIGHT
- DIODE
- FUSE



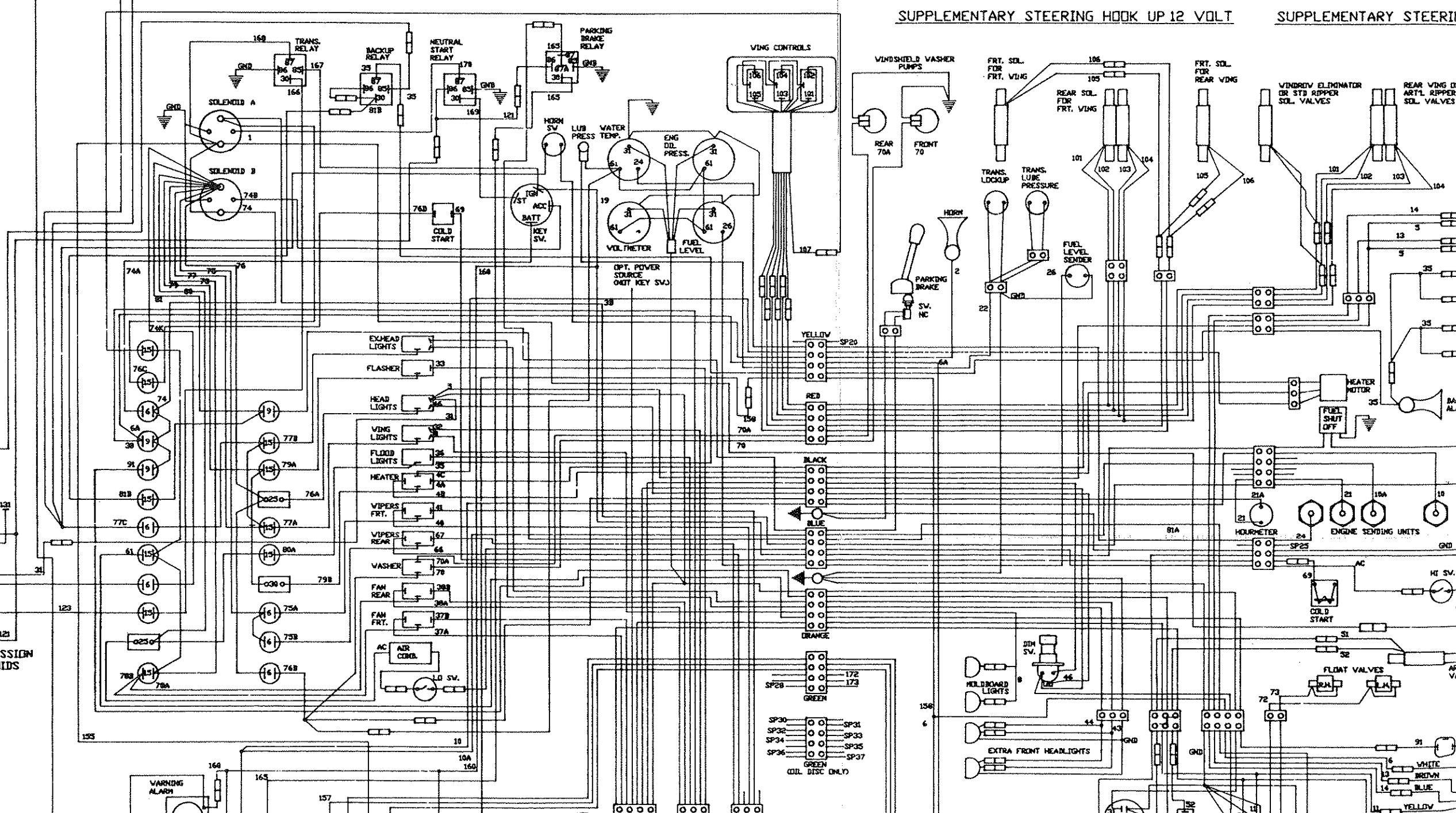
OPT. SWITCHES & LIGHTS LOCATION

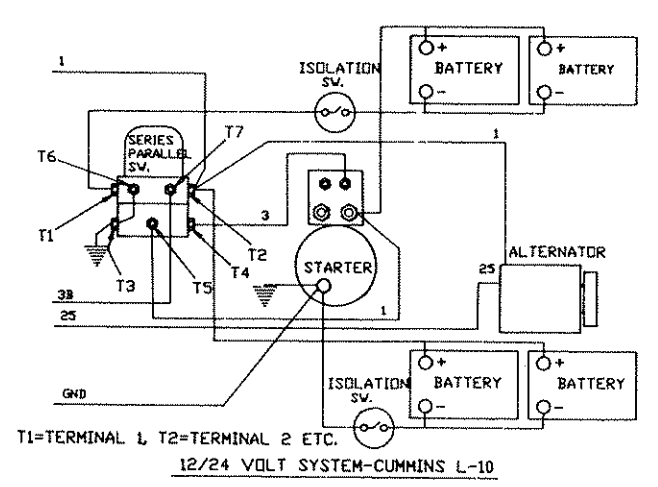
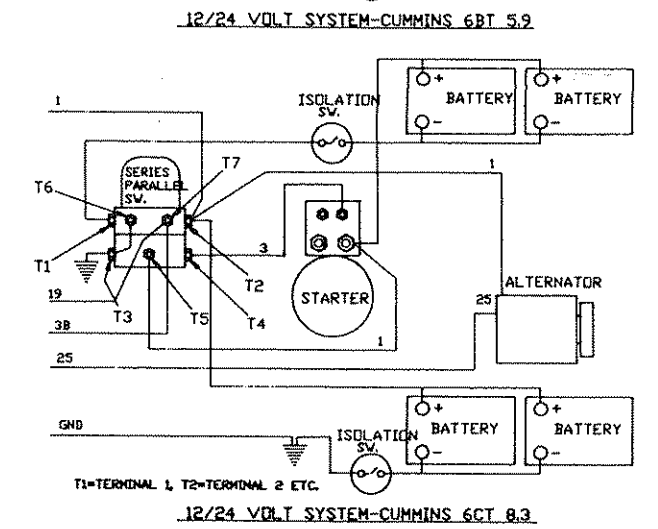
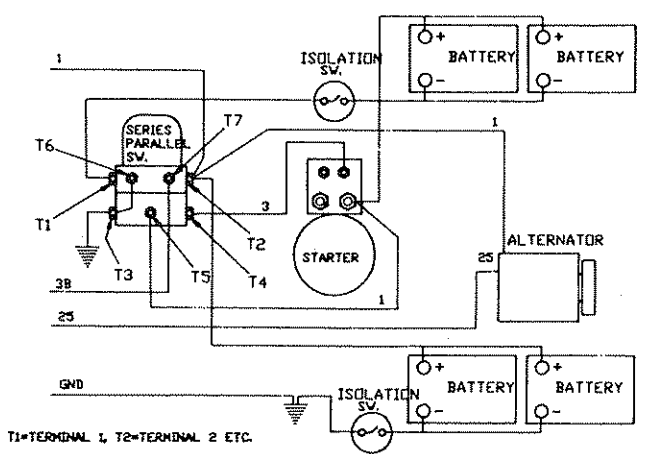
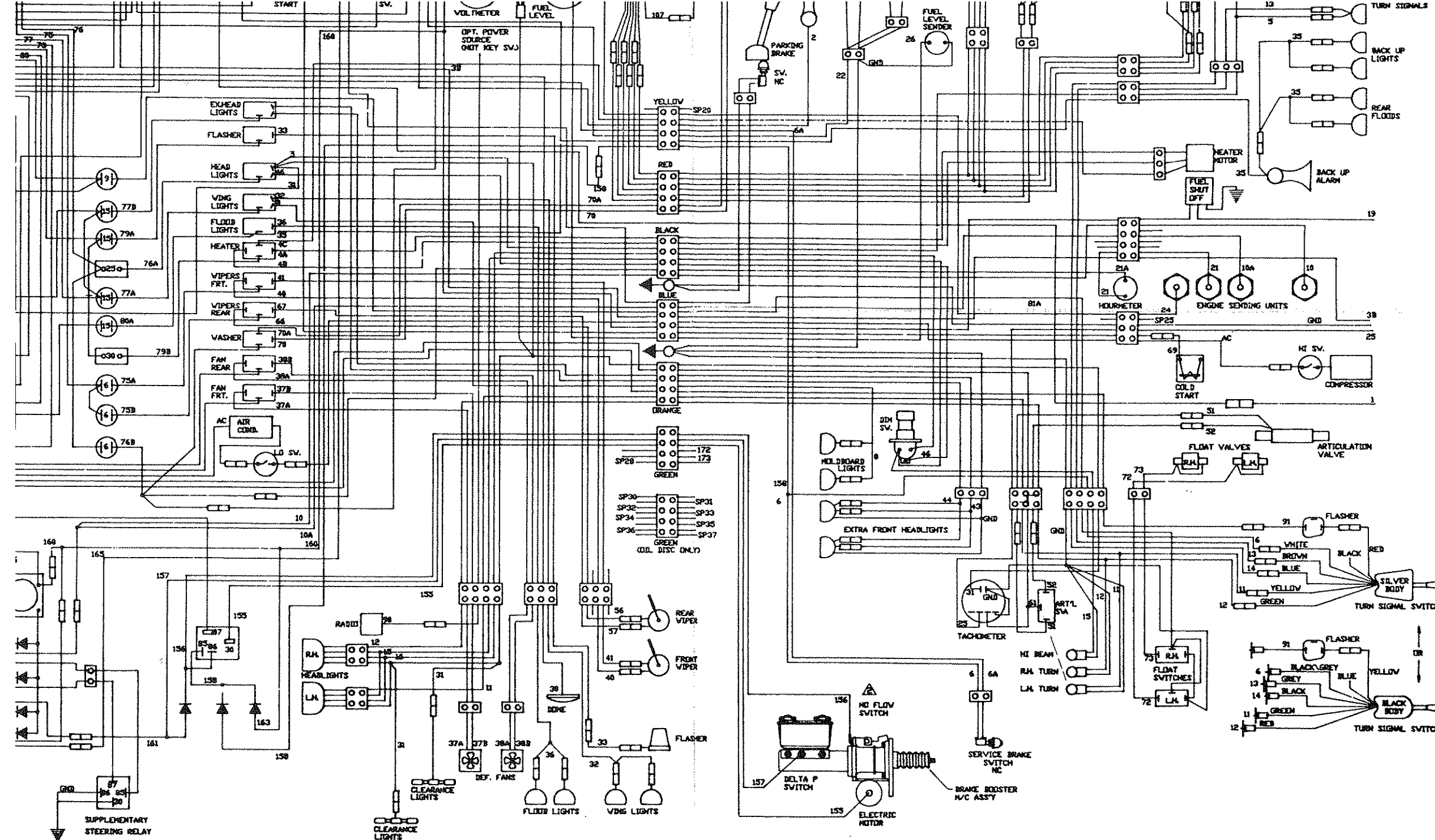
STD SKIRTED RELAY TERMINAL I.D.



SUPPLEMENTARY STEERING HOOK UP 12 VOLT

SUPPLEMENTARY STEERING HOOK UP 12 VOLT





GE	FUNCTION	CIRCUIT	COLOUR	GAUGE	FUNCTION
	BACK UP FUNCTIONS	76B	ORANGE/GREEN	14	
	REAR FLOOD-CAB MOUNTED	76C	ORANGE/BROWN	14	
	FRONT DEFROSTER FAN-HIGH	76D	ORANGE/BROWN	14	
	FRONT DEFROSTER FAN-LOW	77	PINK	14	
	REAR DEFROSTER FAN-HIGH	77A	PINK/WHITE	14	
	REAR DEFROSTER FAN-LOW	77B	PINK/BLACK	14	
	FRONT VIPER-HIGH	77C	PINK/GREEN	14	
	FRONT VIPER-LOW	78	BLUE	14	
	EX. HEADLIGHTS - LOW	78A	BLUE/WHITE	14	
	EXTRA HEADLIGHTS - HIGH	78B	BLUE/YELLOW	14	
	DIMMER SWITCH FEED	79	GREEN	14	
	ARTICULATION LEFT	79A	GREEN/WHITE	14	
	ARTICULATION RIGHT	79B	GREEN/YELLOW	14	
	ARTICULATION GAUGE	80	RED/BLACK	14	
	PEDESTAL FEED WIRE	80A	RED/BLACK	14	
	REAR VIPER-HIGH	81	GREEN/RED	14	
	REAR VIPER-LOW	81A	GREEN/RED	14	
	COLDSTART	81B	YELLOW/BLACK	14	
	WINDSHIELD WASHER FRONT	90	ORANGE/BLACK	14	
	WINDSHIELD WASHER REAR	91	ORANGE/BLACK	14	
	RIGHT FLOAT VALVE	101	RED/WHITE	14	
	LEFT FLOAT VALVE	102	RED/WHITE	14	
	FEED TO CIRCUIT BREAKER	103	RED	14	
	CIRCUIT BREAKER TO IGN. SV.	104	WHITE	14	
	IGN. SV. TO SOLENOID	105	GREEN	14	
	FEED TO CIRCUIT BREAKER	106	BLUE	14	
	CIRCUIT BREAKER TO VIPER SWITCH	107	BLACK	14	
	CIRCUIT BREAKER TO VIPER SWITCH	108	ORANGE	14	
	CIRCUIT BREAKER FEED	109	RED	14	
	CIRCUIT BREAKER TO HEADLIGHT SWITCH	120	RED	14	

CIRCUIT	COLOUR	GAUGE	FUNCTION
121	PINK	16	NEUTRAL START
122	RED/ORANGE	14	IGN. SWITCH TO CIRCUIT BREAKER
123	RED/BLUE	14	CIRCUIT BREAKER TO COLD START SV.
124	WHITE	14	CIRCUIT BREAKER FEED
125	WHITE	16	TRANS. SOLENOID A
126	BLUE	16	TRANS. SOLENOID B
127	YELLOW	16	TRANS. SOLENOID C
128	GREEN	16	TRANS. SOLENOID D
129	BROWN	16	TRANS. SOLENOID RL
130	ORANGE	16	TRANS. SOLENOID L
131	GREEN	16	TRANS. SOLENOID H
132	RED	14	NOT USED
133	YELLOW	14	POWER
134	BROWN	14	LOCK VALVE-DIFF. LOCK/UNLOCK
135	ORANGE	14	BALL. SV.-DIFF. LOCK/UNLOCK
136	GREEN	14	L.H. SV. OIL DISC BRAKES
137	WHITE/RED	14	R.H. SV. OIL DISC BRAKES
138	AC	12	AIR CONDITIONER
139	BLACK	14	GROUND
140	SP	14	SPARE CIRCUIT
141	SP3	14	SPARE CIRCUIT
142	SP4	14	SPARE CIRCUIT
143	SP5	14	SPARE CIRCUIT
144	SP12	14	SPARE CIRCUIT
145	SP13	14	SPARE CIRCUIT
146	SP14	14	SPARE CIRCUIT
147	SP15	14	SPARE CIRCUIT
148	SP20	14	SPARE CIRCUIT
149	SP22	14	SPARE CIRCUIT
150	SP23	14	SPARE CIRCUIT
151	SP25	14	SPARE CIRCUIT
152	SP26	14	SPARE CIRCUIT

CIRCUIT	COLOUR	GAUGE	FUNCTION
153	ORANGE	14	FEED FOR FLOAT VALVES
154	GREEN	14	FEED BACK UP RELAY
155	WHITE	14	RADIO FEED
156	RED	14	FLASHER FEED
157	WHITE	14	MAST CONTROL
158	WHITE	14	MAST CONTROL
159	WHITE	14	MAST CONTROL
160	WHITE	14	MAST CONTROL
161	WHITE	14	MAST CONTROL
162	WHITE	14	MAST CONTROL
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170	WHITE	14	MAST CONTROL
171	WHITE	14	MAST CONTROL
172	WHITE	14	MAST CONTROL
173	WHITE	14	MAST CONTROL

CIRCUIT	COLOUR	GAUGE	FUNCTION
174	WHITE	14	MAST CONTROL
175	WHITE	14	MAST CONTROL
176	WHITE	14	MAST CONTROL
177	WHITE	14	MAST CONTROL
178	WHITE	14	MAST CONTROL
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197	WHITE	14	MAST CONTROL
198	WHITE	14	MAST CONTROL
199	WHITE	14	MAST CONTROL
200	WHITE	14	MAST CONTROL

CIRCUIT	COLOUR	GAUGE	FUNCTION
201	WHITE	14	MAST CONTROL
202	WHITE	14	MAST CONTROL
203	WHITE	14	MAST CONTROL
204	WHITE	14	MAST CONTROL
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218	WHITE	14	MAST CONTROL
219	WHITE	14	MAST CONTROL
220	WHITE	14	MAST CONTROL

CIRCUIT	COLOUR	GAUGE	FUNCTION
221	WHITE	14	MAST CONTROL
222	WHITE	14	MAST CONTROL
223	WHITE	14	MAST CONTROL
224	WHITE	14	MAST CONTROL
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240	WHITE	14	MAST CONTROL

CIRCUIT	COLOUR	GAUGE	FUNCTION
241	WHITE	14	MAST CONTROL
242	WHITE	14	MAST CONTROL
243	WHITE	14	MAST CONTROL
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260	WHITE	14	MAST CONTROL

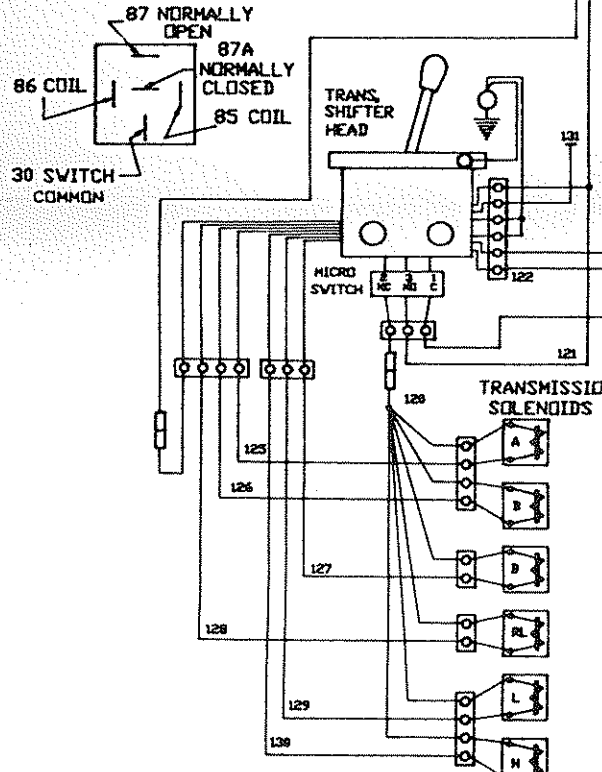
Electrical Schematic

Effective from grader S/N 21911 & up

P/N L-23015 (01/92)

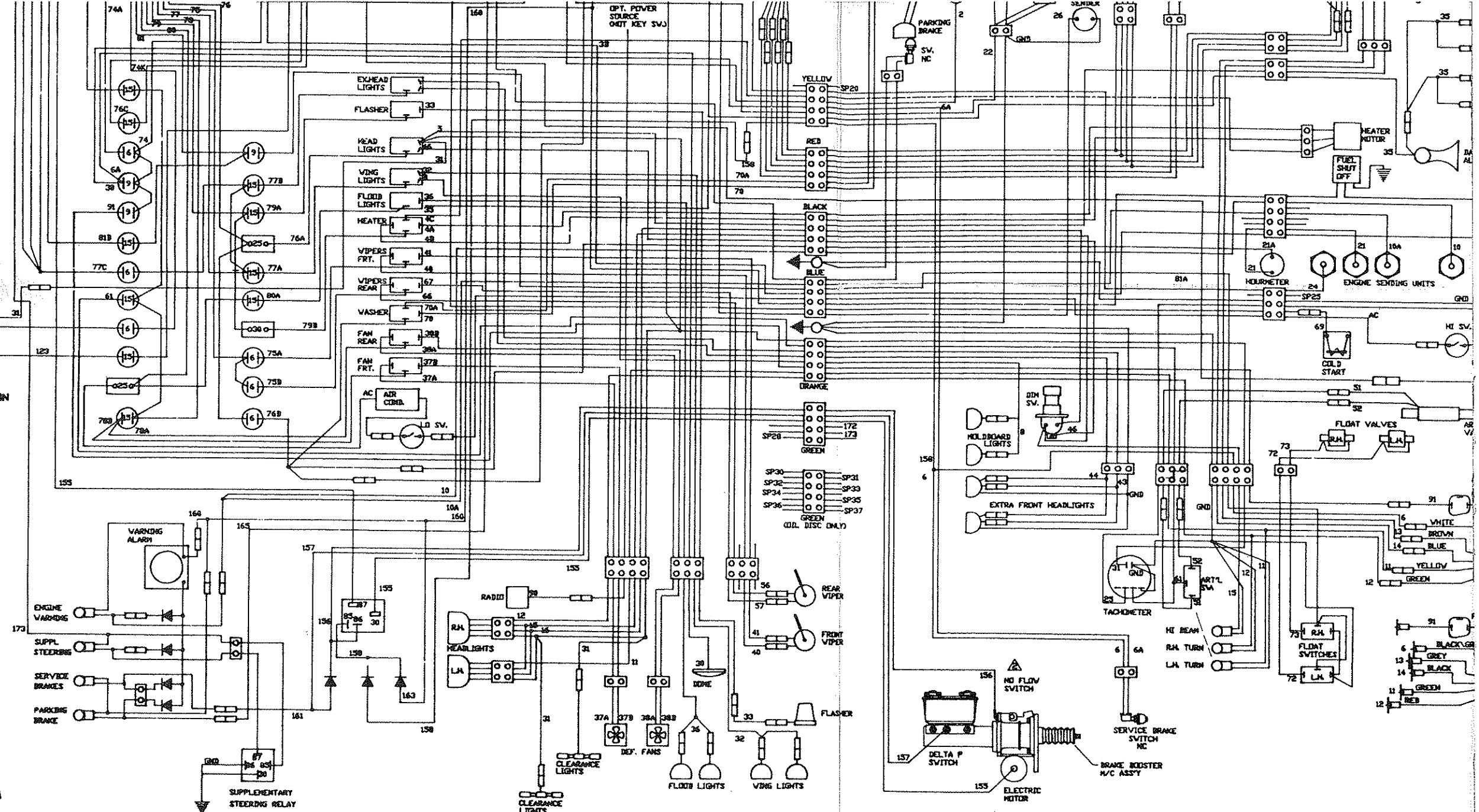
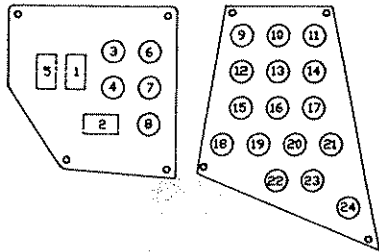
OPT. SWITCHES & LIGHTS LOCATION

STD SKIRTED RELAY TERMINAL I.D.



1. HEADLIGHTS
2. AIR CONDITIONER
3. SUPP. STEERING
4. SPARE
5. HEATERS
6. BACK UP
7. TRANS. SOL.
8. TRANS. MICRO
9. COLD START
10. VING CONTROLS
11. FLASHER
12. REAR VIPER
13. FRONT VIPER
14. VING LIGHTS
15. WASHER
16. EX. HEAD LIGHTS
17. REAR HEADLIGHTS
18. IGN. SV.
19. HORN
20. FLOAT VALVES
21. DEF. FANS
22. PED. FEED
23. TURN SIGNALS
24. BRAKE & BONE

CIRCUIT BREAKER LOCATION



CIRCUIT	COLOUR	GAUGE	FUNCTION	CIRCUIT	COLOUR	GAUGE	FUNCTION	CIRCUIT	COLOUR	GAUGE	FUNCTION	CIRCUIT	COLOUR	GAUGE	FUNCTION
1	RED	6	POWER	35	GREEN/BLACK	16	BACK UP FUNCTIONS	121	PINK	16	NEUTRAL START	SP27	WHITE	14	SPARE CIRCUIT
2	BLACK/YELLOW	14	HORN	36	TAN/BLACK	14	REAR FLOOD-CAB MOUNTED	122	RED/DORANGE	16	MICRO SUPPLY	SP28	WHITE	14	SPARE CIRCUIT
3B	PINK	10	POWER TO START SOL.	37A	ORANGE/WHITE	14	FRONT DEFROSTER FAN-HIGH	123	RED/BLUE	14	MICRO SUPPLY	SP29	WHITE	14	SPARE CIRCUIT
4A	BROWN	12	HEATER	37B	ORANGE/WHITE	14	FRONT DEFROSTER FAN-LOW	123	RED/BLUE	14	MICRO SUPPLY	SP30	WHITE	14	SPARE CIRCUIT
4B	BROWN/WHITE	12	HEATER	38A	YELLOW/RED	14	REAR DEFROSTER FAN-HIGH	77	WHITE	16	TRANSMISSION SOLENOIDS	SP31	WHITE	14	SPARE CIRCUIT
4C	BLUE/WHITE	12	HEATER	38B	YELLOW/RED	14	REAR DEFROSTER FAN-LOW	77	WHITE	16	TRANSMISSION SOLENOIDS	SP32	WHITE	14	SPARE CIRCUIT
5	YELLOW/GREEN	14	TAIL LIGHTS	38B	YELLOW/RED	14	REAR DEFROSTER FAN-LOW	77	WHITE	16	TRANSMISSION SOLENOIDS	SP33	WHITE	14	SPARE CIRCUIT
6	BROWN/RED	14	BRAKE SV. TO TURN SIGNAL SV.	40	L. BLUE	14	FRONT VIPER-HIGH	77A	PINK/WHITE	14	CIRCUIT BREAKER TO WORK LIGHTS SWITCH	SP34	WHITE	14	SPARE CIRCUIT
6A	PURPLE/BLACK	14	POWER TO BRAKE SV.	40	L. BLUE	14	FRONT VIPER-HIGH	77A	PINK/WHITE	14	CIRCUIT BREAKER TO WORK LIGHTS SWITCH	SP35	WHITE	14	SPARE CIRCUIT
8	GREY	14	HOLD BOARD LIGHTS	41	BLUE/TAN	14	FRONT VIPER-LOW	77B	PINK/BLACK	14	CIRCUIT BREAKER TO HEATER SWITCH	SP36	WHITE	14	SPARE CIRCUIT
10	WHITE/ORANGE	14	LO OIL PRESSURE	43	TAN	14	FRONT VIPER-LOW	77C	PINK/GREEN	14	CIRCUIT BREAKER TO HORN BUTTON	SP37	WHITE	14	SPARE CIRCUIT
10A	WHITE/ORANGE	14	HI WATER TEMPERATURE	44	LIGHT GREEN	14	EX. HEADLIGHTS - HIGH	78	BLUE	14	CIRCUIT BREAKER FEED	SP20	WHITE	14	SPARE CIRCUIT
11	L. BLUE/RED	14	LEFT FRONT TURN SIGNAL	44	LIGHT GREEN	14	EX. HEADLIGHTS - HIGH	78	BLUE	14	CIRCUIT BREAKER FEED	SP22	WHITE	14	SPARE CIRCUIT
12	BLUE	14	RIGHT FRONT TURN SIGNAL	46	BLUE/WHITE	12	DIMMER SWITCH FEED	78A	BLUE/WHITE	14	CIRCUIT BREAKER TO DEF. FAN SWITCH	SP23	WHITE	14	SPARE CIRCUIT
13	YELLOW/BLUE	14	LEFT REAR TURN SIGNAL	51	BLACK/WHITE	14	ARTICULATION LEFT	78B	BLUE/WHITE	14	CIRCUIT BREAKER TO DEF. FAN SWITCH	SP24	WHITE	14	SPARE CIRCUIT
14	GREEN	14	RIGHT REAR TURN SIGNAL	52	BLACK/WHITE	14	ARTICULATION RIGHT	78B	BLUE/WHITE	14	CIRCUIT BREAKER TO DEF. FAN SWITCH	SP25	WHITE	14	SPARE CIRCUIT
15	L. GREEN	14	HI BEAM	54	BLACK/ORANGE	14	ARTICULATION GAUGE	79	GREEN	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP26	WHITE	14	SPARE CIRCUIT
16	TAN	14	LOW BEAM	61	ORANGE/BLUE	16	PEDESTAL FEED WIRE	79A	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP27	WHITE	14	SPARE CIRCUIT
19	WHITE/PURPLE	14	FUEL SHUT OFF	66	L. BLUE/BLACK	14	REAR VIPER-HIGH	79B	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP28	WHITE	14	SPARE CIRCUIT
21	BROWN/YELLOW	14	HOURMETER	67	WHITE/BLACK	14	REAR VIPER-LOW	79B	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP29	WHITE	14	SPARE CIRCUIT
21A	WHITE/GREEN	14	HOURMETER	69	GREY/BLACK	14	COLDSTART	79C	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP30	WHITE	14	SPARE CIRCUIT
22	BLUE/YELLOW	16	TRANS. LUB PRESSURE	70	ORANGE/GREEN	14	WINDSHIELD WASHER FRONT	79A	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP31	WHITE	14	SPARE CIRCUIT
23	BLUE/ORANGE	14	ENGINE OIL PRESSURE	70	ORANGE/GREEN	14	WINDSHIELD WASHER FRONT	79A	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP32	WHITE	14	SPARE CIRCUIT
24	GREEN/WHITE	14	TACHOMETER	72	GREY/RED	14	WINDSHIELD WASHER REAR	79A	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP33	WHITE	14	SPARE CIRCUIT
25	BROWN/BLUE	14	ENGINE WATER TEMPERATURE	73	GREY/ORANGE	14	RIGHT FLOAT VALVE	79A	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP34	WHITE	14	SPARE CIRCUIT
26	TAN/WHITE	14	FUEL CONTENTS	74	GREY/BLUE	14	LEFT FLOAT VALVE	79A	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP35	WHITE	14	SPARE CIRCUIT
30	ORANGE	14	DOME LIGHT	74A	RED	14	FED TO CIRCUIT BREAKER	79A	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP36	WHITE	14	SPARE CIRCUIT
31	PURPLE/WHITE	16	PARKING LIGHTS	74B	RED	14	IGN. SV. TO SOLENOID	79A	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP37	WHITE	14	SPARE CIRCUIT
32	BROWN	14	WING LIGHTS	75	RED/WHITE	14	FEED TO CIRCUIT BREAKER	79A	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP20	WHITE	14	SPARE CIRCUIT
33	PURPLE	14	ROTATING FLASHER	75A	RED/YELLOW	14	CIRCUIT BREAKER TO VIPER SWITCH	79A	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP22	WHITE	14	SPARE CIRCUIT
				75B	RED/GREEN	14	CIRCUIT BREAKER TO VIPER SWITCH	79A	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP23	WHITE	14	SPARE CIRCUIT
				76	ORANGE	14	CIRCUIT BREAKER FEED	79A	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP24	WHITE	14	SPARE CIRCUIT
				76A	ORANGE/BLACK	14	CIRCUIT BREAKER TO HEADLIGHT SWITCH	79A	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP25	WHITE	14	SPARE CIRCUIT
								79B	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH	SP26	WHITE	14	SPARE CIRCUIT
								79C	GREEN/WHITE	14	CIRCUIT BREAKER TO FLASHER SWITCH				