

CHAPTER 98 — WIRING DIAGRAMS

CONTENTS — MAINTENANCE PROCEDURES

Paragraph Number	Title	Chapter/Section Number	Page Number
98-1	Wiring diagrams	98-00-00	3
98-2	Wire identification	98-00-00	3

FIGURES

Figure Number	Title	Page Number
98-1	Standard electrical symbols	8
98-2	Wiring identification and circuit function	10
98-3	Turbine outlet temperature indicator circuit	11
98-4	Power and starter systems	13
98-5	Starter circuit	15
98-6	Igniter circuit	16
98-7	Oil temperature indicator circuit	17
98-8	Engine and transmission oil pressure circuit	19
98-9	Tachometer circuit	20
98-10	Fuel pressure indicator circuit	22
98-11	Lighting system	24
98-12	Custom deluxe interior lighting system (where fitted)	34
98-13	Engine out RPM sensor/low rotor RPM sensor	35
98-14	Caution and warning light circuit	38
98-15	Fuel quantity circuit	51
98-16	Fuel pump circuit	53
98-17	Fuel valve circuit	56
98-18	Torquemeter circuit	57
98-19	Governor control circuit	58
98-20	Engine anti-icing control circuit	59
98-21	Hydraulic control circuit	60
98-22	Defogging blower circuit	61
98-23	Auxiliary power circuit	63
98-24	KMA-24H-71 ICS audio control panel	64
98-25	Kit provisions	65

TABLES

Table Number	Title	Page Number
98-1	Electrical equipment list	3

WIRING DIAGRAMS

98-1. WIRING DIAGRAMS.

This chapter contains wiring diagrams for all basic electrical circuits in Models 206A, 206B, and 206B3 helicopters. Individual system wiring diagrams are provided to assist maintenance personnel in understanding the circuits and components installed in the helicopter, and in troubleshooting and tracing of inoperative and malfunctioning circuits. Standard symbols have been used where possible, refer to figure 98-1.

98-2. WIRE IDENTIFICATION.

All wires on the system wiring diagrams are identified exactly as they are marked in the helicopter. The code or wire number indicates the circuit function, wire number, wire segment number, and wire conductor size. Wire identification may be accomplished by using the identification code list (figure 98-2).

Table 98-1. Electrical equipment list

REF DES	NOMENCLATURE	REF DES	NOMENCLATURE
A/F	FILTER, FUEL AIRFRAME (AFTER SI 206-65)	CB3	CIRCUIT BREAKER (10 AMP)
A408	LIGHT, REMOTE (STROBE) (S/N 584 AND SUB)	CB4	CIRCUIT BREAKER (25 AMP)
A412A	POWER SUPPLY (S/N 584 AND SUB)	CB5	CIRCUIT BREAKER (5 AMP)
B1	PUMP, FWD FUEL	CB7	CIRCUIT BREAKER (5 AMP)
B2	PUMP, AFT FUEL	CB13	CIRCUIT BREAKER (15 AMP) PART OF HEATER KIT (STOW WIRES)
B3	ACTUATOR, GOVERNOR RPM	CB16	CIRCUIT BREAKER (5 AMP)
B4	ENGINE ANTI-ICING CONTROL	CB27	CIRCUIT BREAKER (15 AMP)
B5	VALVE, FUEL SHUTOFF	CB28	DIODE ASSEMBLY
B7	BLOWER, DEFOG RIGHT	CR28	DIODE ASSEMBLY
B8	BLOWER, DEFOG LEFT	CR29	DIODE ASSEMBLY
B11	TRANSDUCER, FUEL PRESSURE (S/N 254 THRU 913)	CR30	DIODE ASSEMBLY B3
B12	TRANSDUCER, ENGINE OIL PRESSURE (S/N 254 THRU 913)	CR31	DIODE ASSEMBLY B3
B13	TRANSDUCER, TORQUE PRESSURE (S/N 254 THRU 497, BEFORE TB 206-08-73)	CR32	DIODE ASSEMBLY
B14	TRANSDUCER, XMSN OIL PRESSURE (S/N 254 THRU 913)	DS1	LIGHT, ENGINE OUT WARNING
B15	VALVE, FUEL DRAIN (S/N 716 AND SUB)	DS2	LIGHT, LEFT POSITION
B16	VALVE, FUEL DRAIN AND FUEL LOW LEVEL SWITCH (S/N 4005 AND SUB)	DS3	LIGHT, RIGHT POSITION
BT1	BATTERY	DS4	LIGHT, AFT POSITION
BT1P1	CONNECTOR, BATTERY	DS5	LIGHT, ANTI COLL (REPLACED BY DS30) (S/N 4 THRU 153)
BT1P2	CONNECTOR, BATTERY TEMP	DS4	LIGHT, COCKPIT
BT3	AUXILIARY BATTERY, PART OF BATTERY KIT (STOW WIRES)	DS6	LIGHT, LANDING, DOWN, INDIVIDUAL RELAYS (S/N 104 AND SUB)
CB1	CIRCUIT BREAKER (1/2 AMP)	DS7	LIGHT, LANDING, FWD, INDIVIDUAL RELAYS (S/N 104 AND SUB)
CB2	CIRCUIT BREAKER (5 AMP)	DS8	LIGHT, OVERHEAD CONSOLE
		DS9	LIGHT, OVERHEAD CONSOLE
		DS10	LIGHT, OVERHEAD CONSOLE
		DS11	LIGHT, EDGE LIT CONTROL PANEL (S/N 154 AND SUB)
		DS19	LIGHT, EDGE LIT CONTROL PANEL (S/N 154 AND SUB)

Table 98-1. Electrical equipment list (Cont)

REF DES	NOMENCLATURE	REF DES	NOMENCLATURE
DS20	LIGHT, EDGE LIT CONTROL PANEL (S/N 154 THRU 913)	I36	CAUTION LIGHT, SPARE, A/F FUEL FILTER (AFTER SI 260-65)
DS21	LIGHT, FUEL VALVE SWITCH (S/N 154 AND SUB)	I37	CAUTION LIGHT, SPARE TAIL ROTOR XMSN CHIP (AFTER TB 206-08-73-1 AND SI 206-133)
DS22	LIGHT, EDGE LIT CONTROL PANEL (S/N 154 AND SUB)	I38	CAUTION LIGHT, SPARE, XMSN CHIP (AFTER TB 206-08-73-1 AND SI 206-133)
DS22	LIGHT, INCLINOMETER POST (S/N 154 AND SUB)	I39	CAUTION LIGHT, SPARE
DS30	LIGHT, ANTI COLL (S/N 154 THRU 583)	J9	DISCONNECT, XMSN
DS34	LIGHT, AFT POSITION	J12	CONNECTOR, ENGINE DISCONNECT
DS39	LIGHT, ROTOR RPM ALARM	J13	CONNECTOR, ENGINE DISCONNECT
DS42	LIGHT, BATTERY TEMP WARNING (S/N 716 AND SUB, AFTER EO 206 WA 230)	J16	CONNECTOR, STARTER-GENERATOR DISCONNECT
DS43	LIGHT, BATTERY HOT WARNING (S/N 716 AND SUB, AFTER EO 206 WA 230)	J24	TAILBOOM, DISCONNECT (S/N 154 AND SUB)
DS46L	LIGHT, LEFT READING	J176	CONNECTOR, ENGINE DISC. NO. 2
DS46R	LIGHT, RIGHT READING	J186	CONNECTOR, GENERATOR FIELD RESET
E1	CHIP DETECTOR, UPPER ENGINE (AFTER SI 206-133)	J187	LIGHTING SYSTEMS
E2	CHIP DETECTOR, LOWER ENGINE (AFTER SI 206-133)	J195	VERT STAB DISCONNECT (S/N 584 AND SUB)
E3	CHIP DETECTOR, TAIL ROTOR XMSN (AFTER TB 206-08-73-1)	J197	TAILBOOM RECEPTACLE (S/N 584 AND SUB)
E4	CHIP DETECTOR, XMSN (UPPER) (AFTER TB 206-08-73-1 AND SI 206-133)	J209	RECEPTACLE, CAUTION LIGHTS
E5	CHIP DETECTOR, XMSN (LOWER) (AFTER TB 206-08-73-1 AND SI 206-133)	J217	RECEPTACLE, AUX POWER
E7	CHIP DETECTOR, XMSN MASTER BEARING	J222	HEADLINER DISCONNECT
G1	STARTER-GENERATOR	K1	RELAY, EXTERNAL POWER
G2	GENERATOR, ROTOR TACH	K2	RELAY, BATTERY
G3	TACH, POWER TURBINE	K3	RELAY, STARTER
G4	GENERATOR, GAS TURBINE TACH	K4	RELAY, GENERATOR FIELD CONTROL
I1	CAUTION LIGHT, XMSN OIL TEMP	K5	RELAY, REVERSE CURRENT
I2	CAUTION LIGHT, XMSN OIL PRESSURE	K8	RELAY, LANDING LTS FWD AND DWN (S/N 4 THRU 103)
I3	CAUTION LIGHT, FUEL FILTER	K8	RELAY, LANDING LTS FWD ONLY (DS8) (S/N 4 THRU 103)
I4	CAUTION LIGHT, FUEL PUMP	K10	RELAY, HEATER CONTROL
I5	WARNING LIGHT, ENGINE OUT (S/N 716 AND SUB)	K11	RELAY, BLOWER
I6	CAUTION LIGHT, CHIP DETECTOR	K12	RELAY, HOURMETER
I8	HOURMETER	K18	RELAY, INFLATION PART OF HEATER KIT (STOW WIRES)
I33	CAUTION LIGHT, LOW ROTOR RPM	K20	RELAY, LANDING LTS, DWN ONLY (S/N 104 AND SUB)
		K22	RELAY, INFLATION, PART OF POP-OUT FLOAT KIT (STOW WIRES)

Table 98-1. Electrical equipment list (Cont)

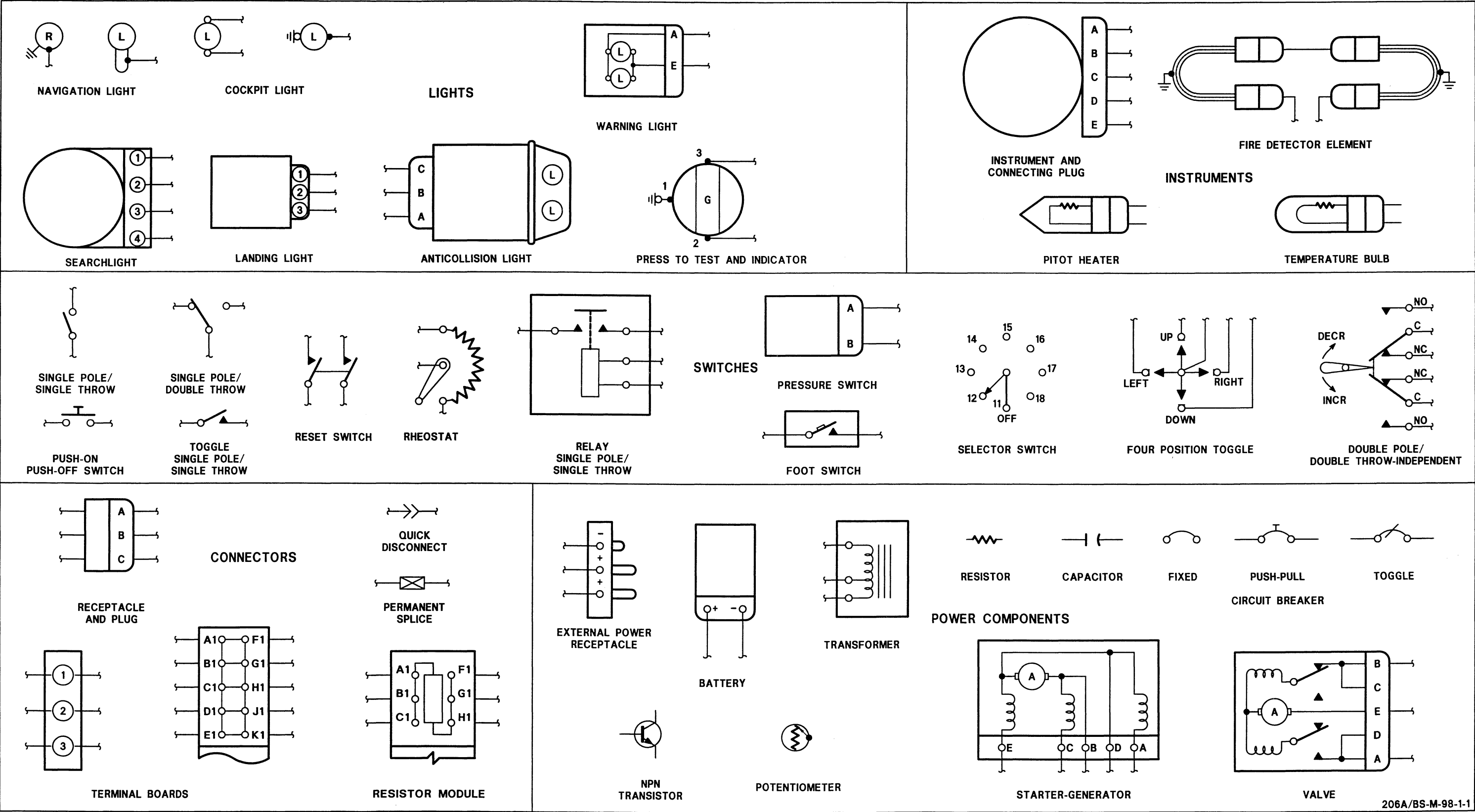
REF DES	NOMENCLATURE	REF DES	NOMENCLATURE
K24	RELAY, DIMMER CIRCUIT (S/N 154 AND SUB)	P40	CONNECTOR, DIRECTIONAL GYRO, PART OF FLIGHT INSTRUMENT AUXILIARY EQUIPMENT KIT (STOW WIRES)
K41	RELAY, GENERATOR FIELD RESET (S/N 584 AND SUB)	P76	CONNECTOR, POP-OUT FLOAT, PART OF POP-OUT FLOAT KIT (STOW WIRES)
K42	RELAY, OVERVOLTAGE SENSING (S/N 584 AND SUB)	P176	CONNECTOR, ENGINE DISC. NO. 2
K100	RELAY, AUXILIARY BATTERY, PART OF BATTERY KIT (STOW WIRES)	P177	CONNECTOR, INSTRUMENT CLUSTER DISCONNECT
L1	SOLENOID, HYDRAULIC BYPASS	P178	CONNECTOR, XMSN OIL PRESSURE TRANSDUCER DISCONNECT
M1	INDICATOR, DUAL TACH	P179	CONNECTOR, FUEL PRESSURE TRANSDUCER DISCONNECT
M2	INDICATOR, TURBINE OUTLET TEMP	P180	CONNECTOR, ENGINE OIL PRESSURE TRANSDUCER
M3	INDICATOR, GAS PRODUCER TACH	P181	CONNECTOR, TORQUE PRESSURE TRANSDUCER DISCONNECT
M4	INSTRUMENT CLUSTER (S/N 4 THRU 913)	P182	CONNECTOR, TORQUE METER DISCONNECT
M4	FUEL PRESSURE/LOADMETER (S/N 913 AND SUB)	P187	CONNECTOR, AIRFRAME FUEL FILTER
M9	INDICATOR, TORQUE METER	P190	CONNECTOR, UPPER ENGINE CHIP DETECTOR
M10	INDICATOR, FUEL QUANTITY	P191	CONNECTOR, UPPER ENGINE CHIP DETECTOR
M11	INDICATOR, XMSN OIL PRESSURE/TEMP	P194	CONNECTOR, FLASHER
M12	INDICATOR, ENGINE OIL PRESSURE/TEMP	P197	CONNECTOR, TAILBOOM
P1	CONNECTOR, LOWER TURBINE TACH INDICATOR	P199	CONNECTOR, ENGINE OUT RPM SENSOR
P2	CONNECTOR, DUAL TACH INDICATOR	P200	CONNECTOR, LOW ROTOR RPM SENSOR
P3	CONNECTOR, GAS PRODUCER TACH INDICATOR	P202	CONNECTOR, FUEL QUANTITY
P4	CONNECTOR, XMSN OIL PRESSURE	P203	CONNECTOR, XMSN OIL PRESSURE CONNECTOR, TEMP INDICATOR
P5	CONNECTOR, XMSN OIL TEMP BULB	P204	CONNECTOR, ENGINE OIL PRESSURE TEMP INDICATOR
P6	CONNECTOR, ROTOR TACH GENERATOR	P205	CONNECTOR, LOAD METER INDICATOR
P7	CONNECTOR, POWER TACH GENERATOR	P206	CONNECTOR, TURBINE OUTLET INDICATOR
P9	CONNECTOR, XMSN DISCONNECT	P207	CONNECTOR, BATT OVERTEMP SENSOR
P10	CONNECTOR, GAS PRODUCER TACH	P209	CONNECTOR, CAUTION LIGHTS
P11	CONNECTOR, ENGINE OIL TEMP	P217	CONNECTOR, AUX RECEPTACLE
P12	CONNECTOR, ENGINE	P218	CONNECTOR, LOWER XMSN CHIP DETECTOR
P13	CONNECTOR, STARTER-GENERATOR	P268	CONNECTOR, AUXILIARY BATTERY
P23	CONNECTOR, FUEL FILTER DIFFERENTIAL PRESSURE	Q1	TRANSISTOR, LIGHT DIMMING
P24	CONNECTOR, TAILBOOM		
P28	CONNECTOR, FUEL VALVE		
P29	CONNECTOR, PITOT		
P30	CONNECTOR, HYDRAULIC BYPASS VALVE		
P39	CONNECTOR, GYRO ATTITUDE INDICATOR		

Table 98-1. Electrical equipment list (Cont)

REF DES	NOMENCLATURE	REF DES	NOMENCLATURE
Q2	INSTRUMENT LIGHT DIMMING	S1	SWITCH, BATTERY
Q2	TRANSISTOR, LIGHT DIMMING (S/N 204 THRU 253 AND 414 AND SUB)	S2	SWITCH, GENERATOR FIELD (S/N 54 AND SUB)
R1	RESISTOR, TURBINE OUTLET TEMP	S3	SWITCH, XMSN OIL TEMP
R2	RESISTOR, GENERATOR FIELD CONTROL	S4	SWITCH, XMSN OIL TEMP
R3	SHUNT, LOADMETER	S5	SWITCH, GOVERNOR RPM, COLLECTIVE STICK
R5	RESISTOR, FUEL INDICATOR FULL ADJUST	S6	SWITCH, STARTER
R6	RESISTOR, FUEL INDICATOR EMPTY ADJUST	S7	SWITCH, CONTROL BOOST
R7	RESISTOR, DIMMER CONTROL	S8	SWITCH, ENGINE ANTI-ICE
R8	RESISTOR, INSTR CLUSTER (S/N 4 THRU 253)	S9	SWITCH, BLEED AIR PRESSURE
R9	RESISTOR, INSTR CLUSTER (S/N 154 THRU 253)	S10	SWITCH, FUEL FILTER DIFFERENTIAL
R23	RESISTOR, DIMMER RELAY (S/N 154 THRU 1657)	S11	SWITCH, FWD FUEL PRESSURE
R35	RESISTOR, INCLINE POST LT (S/N 154 AND SUB)	S12	SWITCH, AFT FUEL PRESSURE
R36	RESISTOR, INSTR CLUSTER (S/N 254 THRU 913)	S14	SWITCH, CYCLIC TRIGGER
R37	RESISTOR, ALTIMETER (S/N 254 THRU 913)	S15	SWITCH, CYCLIC TRIGGER
R38	RESISTOR, DUAL TACH (S/N 254 THRU 913)	S16	SWITCH, FUEL CUTOFF
R39	RESISTOR, TOT (S/N 254 THRU 913)	S17	SWITCH, LANDING LIGHT
R40	RESISTOR, TORQUE METER (S/N 254 THRU 913)	S18	SWITCH, DIMMER, EDGE LIT PNL
R41	RESISTOR, GAS PROD METER (S/N 254 THRU 913)	S19	SWITCH, VENTILATOR HEAT PART OF HEATER KIT (STOW WIRES)
R42	RESISTOR, AIRSPEED IND (S/N 254 THRU 913)	S20	SWITCH, HEATER START PART OF HEATER KIT (STOW WIRES)
R43	RESISTOR, CLOCK (S/N 584 THRU 913)	S21	SWITCH, DEFOGGING BLOWER
R44	RESISTOR, TURN AND BANK (WHERE FITTED) (S/N 254 THRU 913)	S32	SWITCH, LANDING LIGHT (REPLACES S18) (S/N 104 THRU SUB)
R45	RESISTOR, RATE OF CLIMB (WHERE FITTED) (S/N 254 THRU 913)	S49	SWITCH, PART KIT PROVISION (STOW WIRES)
R50	RESISTOR, DIMMER CKT (S/N 204 THRU 253 AND 414 AND SUB)	S51	SWITCH, BRIGHT/DIM, EDGE LIT PNL (S/N 154 THRU SUB)
R51	RESISTOR, VOLTAGE DROP (S/N 914 AND SUB)	S55	SWITCH, GENERATOR RESET (S/N 584 AND SUB)
R52	RESISTOR, LIGHT DIMMER POT (S/N 914 AND SUB)	S91	SWITCH, FUEL DRAIN (S/N 716 AND SUB)
R60	RESISTOR, Q1 BIAS B3	S115	SWITCH, HYDRAULIC TEMP
R61	RESISTOR, VOLTAGE DROP B3	S116	SWITCH, POSITION LIGHTS
		S117	SWITCH, ANTICOLLISION
		TB1	TERMINAL BLOCK, INSTRUMENT PANEL
		TB1	TERMINAL, INSTR PANEL
		TB2	TERMINAL BOARD, GENERATOR POWER
		TB3	TERMINAL BOARD, TURBINE OUTLET TEMP
		TB4	TERMINAL BOARD, COLLECTIVE STICK
		TB6	TERMINAL BOARD, INSTR LT

Table 98-1. Electrical equipment list (Cont)

REF DES	NOMENCLATURE	REF DES	NOMENCLATURE
TB7	TERMINAL BOARD, TAILBOOM	S99	SWITCH, LOW ROTOR RPM WARNING CUTOFF
TB8	TERMINAL BOARD, INSTRUMENT PANEL	S103	BATTERY OVERTEMP SENSOR (S/N 716 AND SUB, AFTER EO 206 WA 230)
VR1	VOLTAGE REGULATOR	S107	SWITCH, CAUTION LIGHTS TEST
VR4	DIODE, 56V ZENER (S/N 914 AND SUB)	S113	SWITCH, TOT LIGHT TEST
Z1	IGNITER	S114	SWITCH, TOT OVERTEMP LIGHT RESET
Z2	ENGINE OIL TEMP BULB	4K1	RELAY, LOW ROTOR HORN MUTE
Z3	XMSN OIL TEMP BULB	4K2	RELAY, ENGINE OUT HORN MUTE
Z4	LOWER FUEL QUANTITY TANK UNIT	4S5	SWITCH, WARNING HORN MUTE
Z5	UPPER FUEL QUANTITY TANK UNIT	4S6	SWITCH, BAGGAGE COMPARTMENT DOOR
Z6	FLASHER UNIT (S/N 4 THRU 103)	8J1	CONNECTOR, TAILBOOM
4CR4	DIODE		
S97	SENSOR, ENGINE OUT RPM		
S98	SENSOR, LOW ROTOR RPM		



206A/BS-M-98-1-1

Figure 98-1. Standard electrical symbols (Sheet 1 of 2)

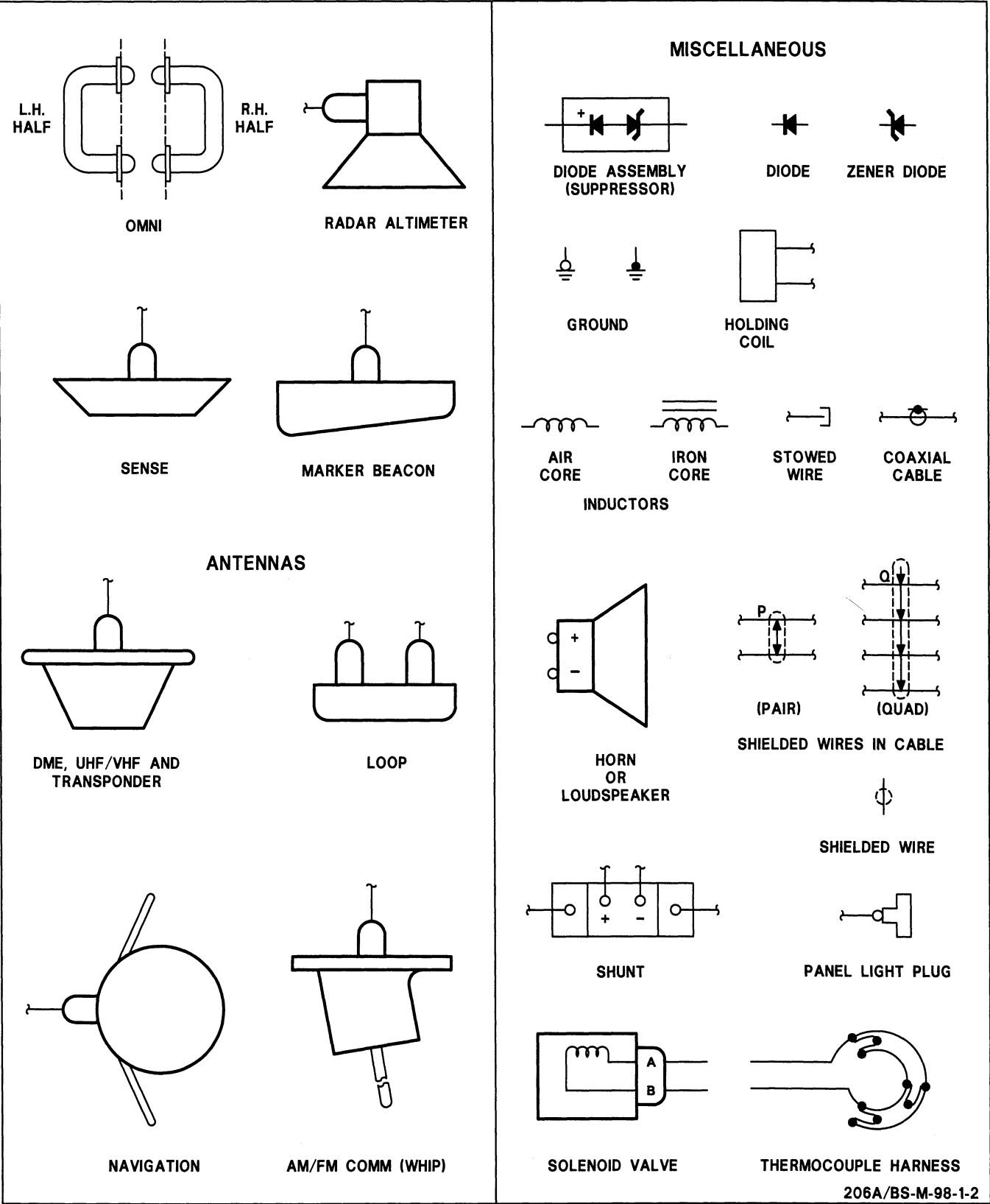
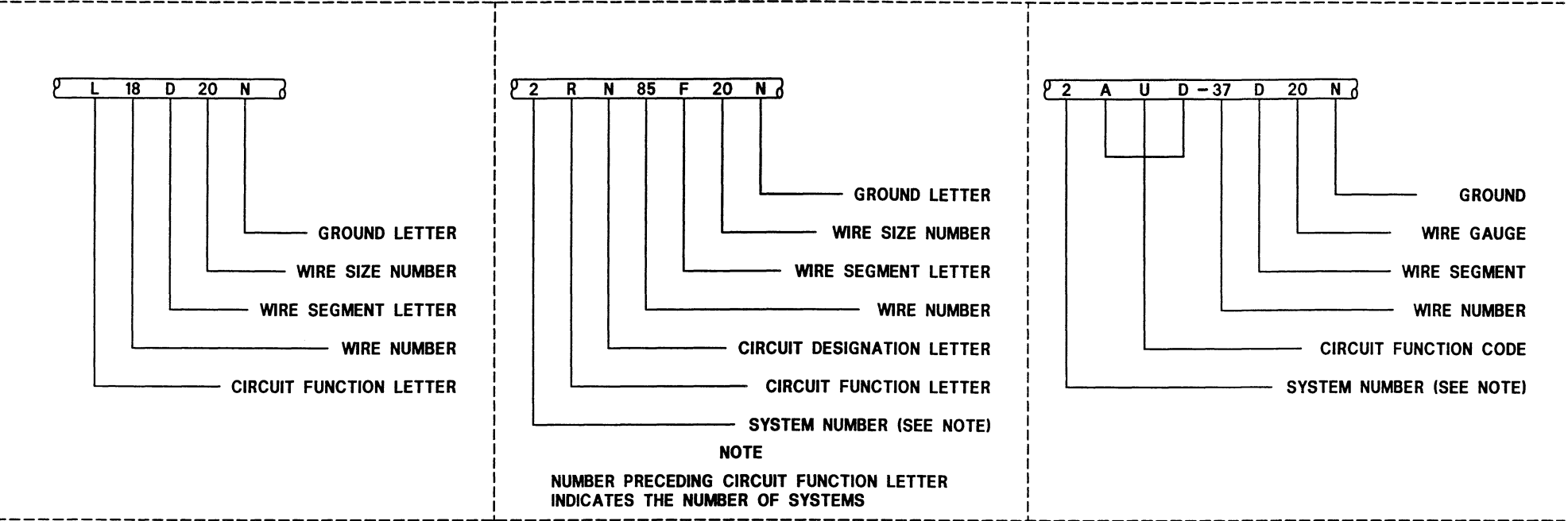


Figure 98-1. Standard electrical symbols (Sheet 2)

WIRING IDENTIFICATION CODE



CIRCUIT FUNCTIONS

CODE	NOMENCLATURE
C	CONTROL SURFACES
D	INSTRUMENTS (OTHER THAN FLIGHT OR ENGINE)
E	ENGINE INSTRUMENTS
F	FLIGHT INSTRUMENTS
H	HEATING, VENTILATING, AND ANTI-ICING
J	IGNITION
K	ENGINE CONTROL
L	LIGHTING
M	MISCELLANEOUS ELECTRIC
N	GROUND
P	DC POWER

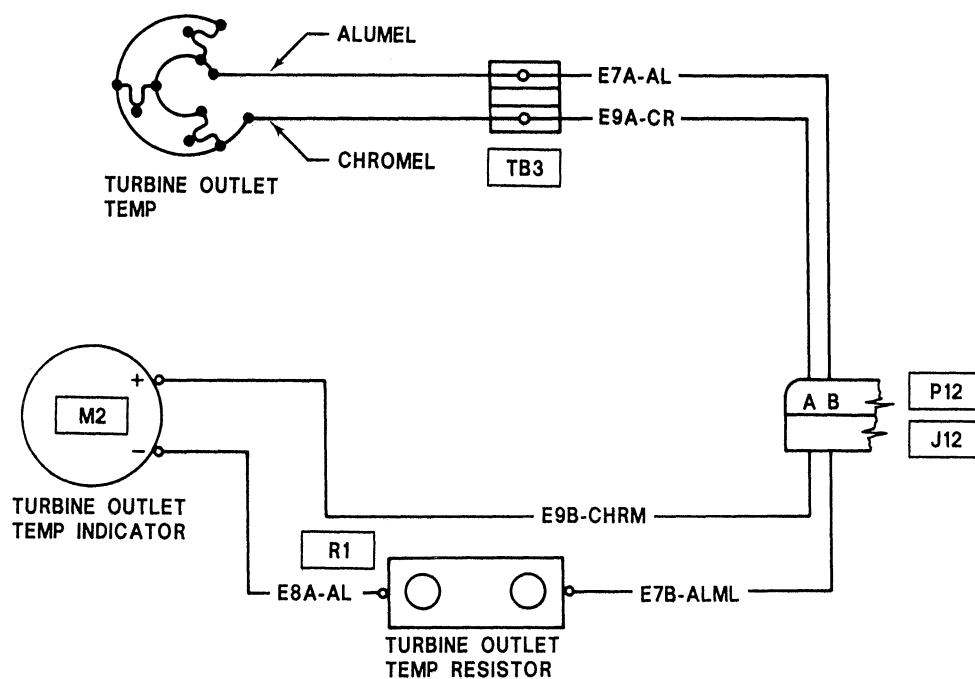
CODE	NOMENCLATURE
Q	FUEL AND OIL
R	RADIO (NAVIGATION AND COMMUNICATION)
RF	VHF LIAISON
RM	MARKER BEACON
RN	NAVIGATION
RU	UHF COMMAND
RV	VHF COMMAND
RZ	INTERPHONE AND HEADPHONE
V	DC POWER AND DC CONTROL CABLES FOR AC SYSTEM
W	WARNING AND EMERGENCY
X	AC POWER

CIRCUIT FUNCTION CODE (AVIONICS)

CODE	NOMENCLATURE
ADF	ADF
ALT	RADIO ALTIMETER
AUD	AUDIO/INTERCOM
MPS	GYRO COMPASS
DME	DISTANCE MEASURING EQUIPMENT
MKR	MARKER BEACON RECEIVER
N	GROUND
NAV	NAVIGATION
VHF	VHF COMMUNICATION
XPDR	TRANSPONDER

NOTE
NUMBER PRECEDING CIRCUIT FUNCTION INDICATES THE NUMBER OF SYSTEMS. EXAMPLE: 2 AUD 37D20N

Figure 98-2. Wiring identification and circuit function



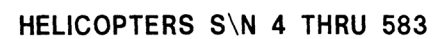
HELICOPTERS S/N 4 THRU 913

206A/BS-M-98-3-1

Figure 98-3. Turbine outlet temperature indicator circuit (Sheet 1 of 2)



Figure 98-3. Turbine outlet temperature indicator circuit (Sheet 2)



206A/BS-M-98-4-1

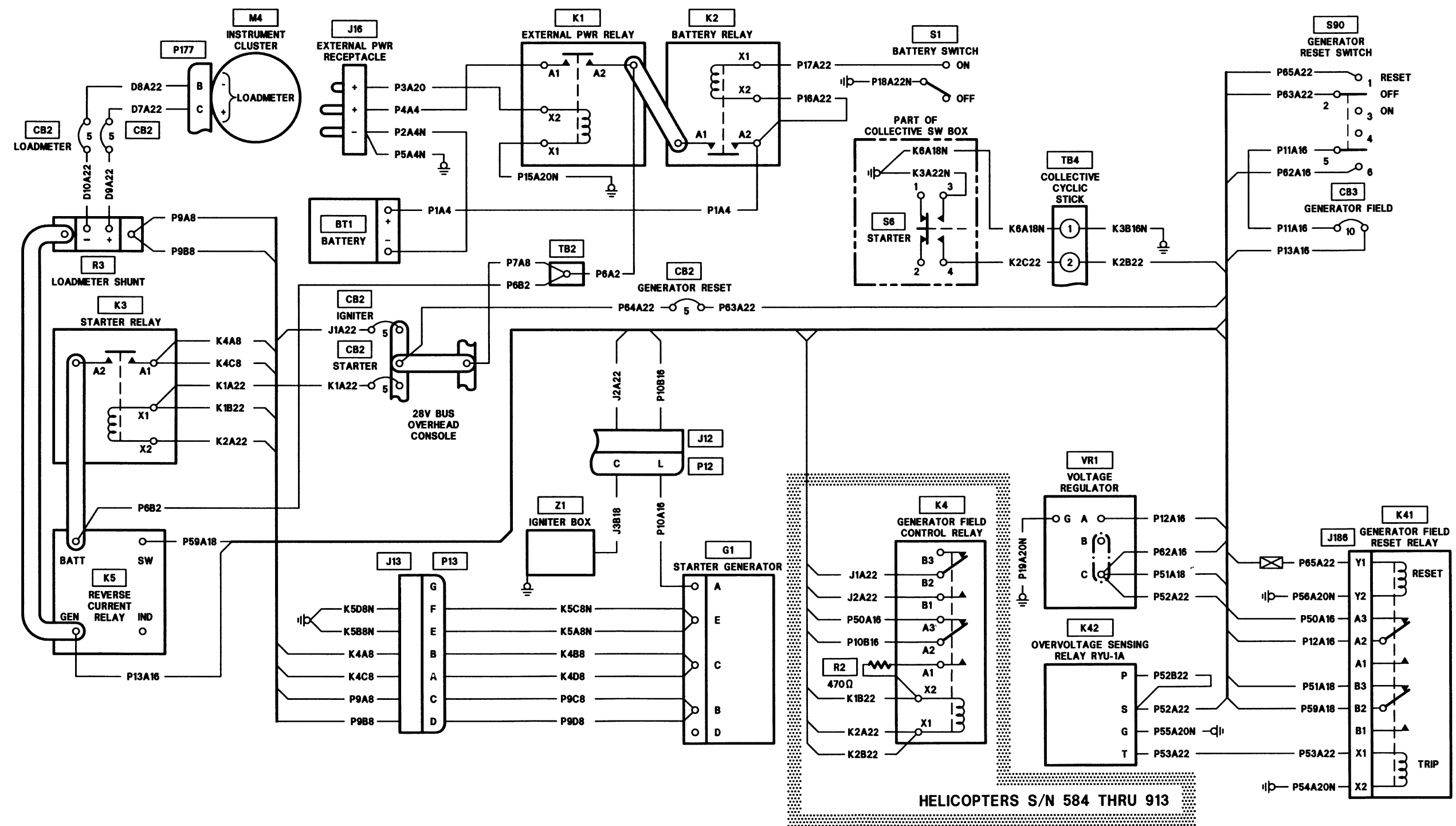
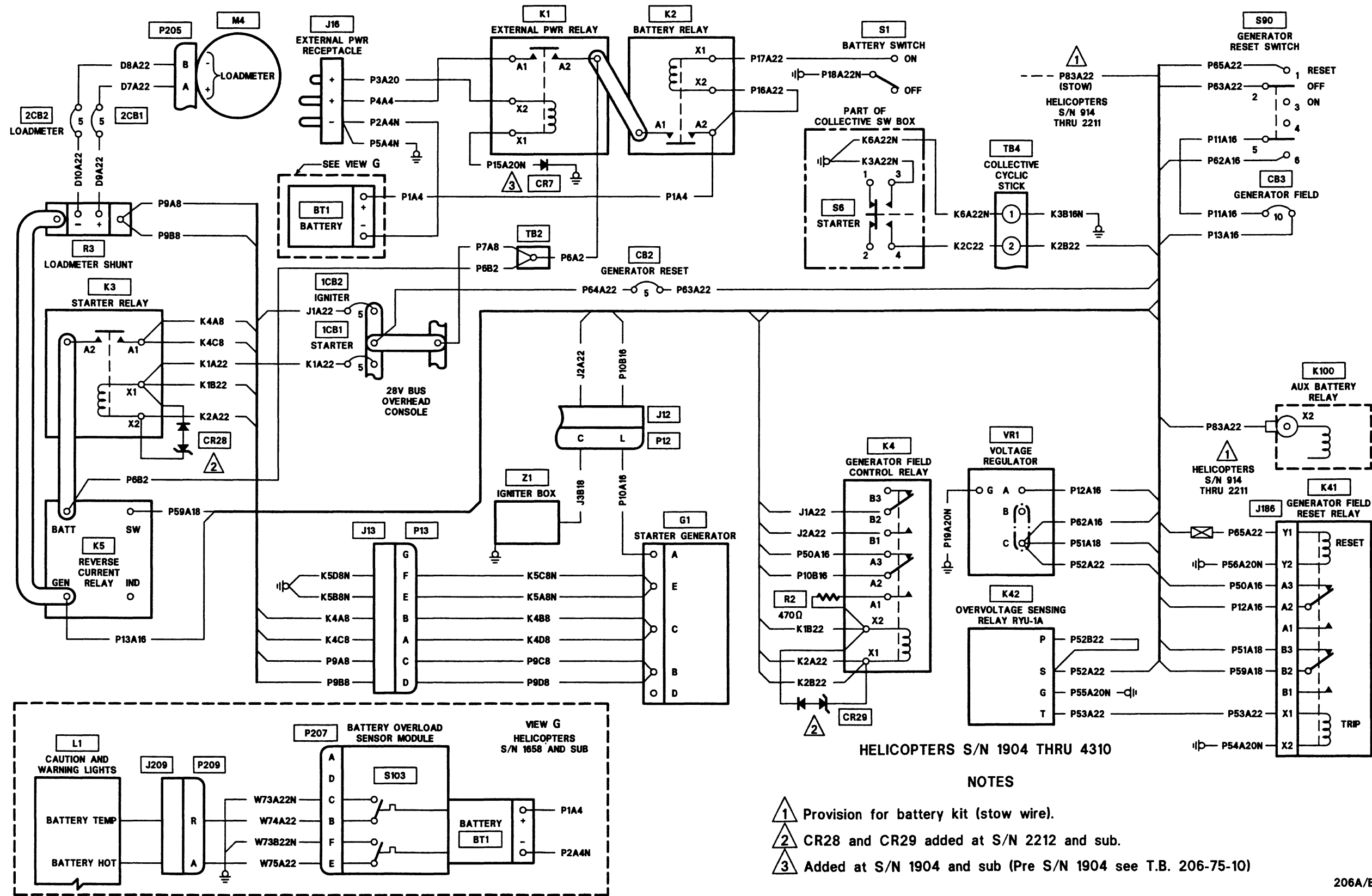


Figure 98-4. Power and Starter Systems (Sheet 2 of 5)





206A/BS-M-98-4-4

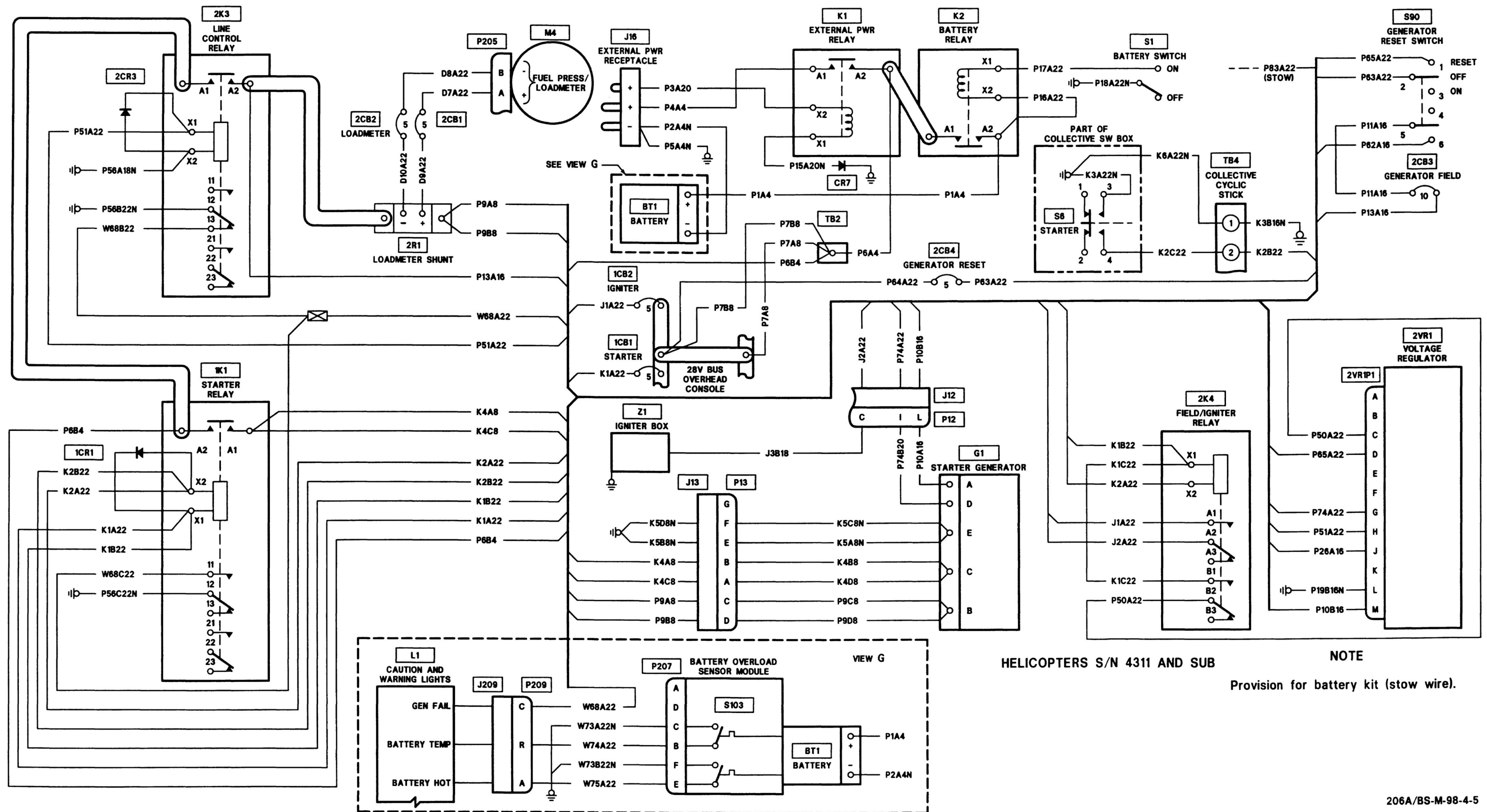
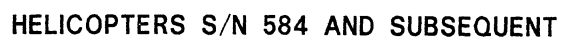


Figure 98-4. Power and Starter Systems (Sheet 5 of 5)



**For helicopters S/N 4 thru 583,
refer to figure 98-4.**

98-00-00
Page 15

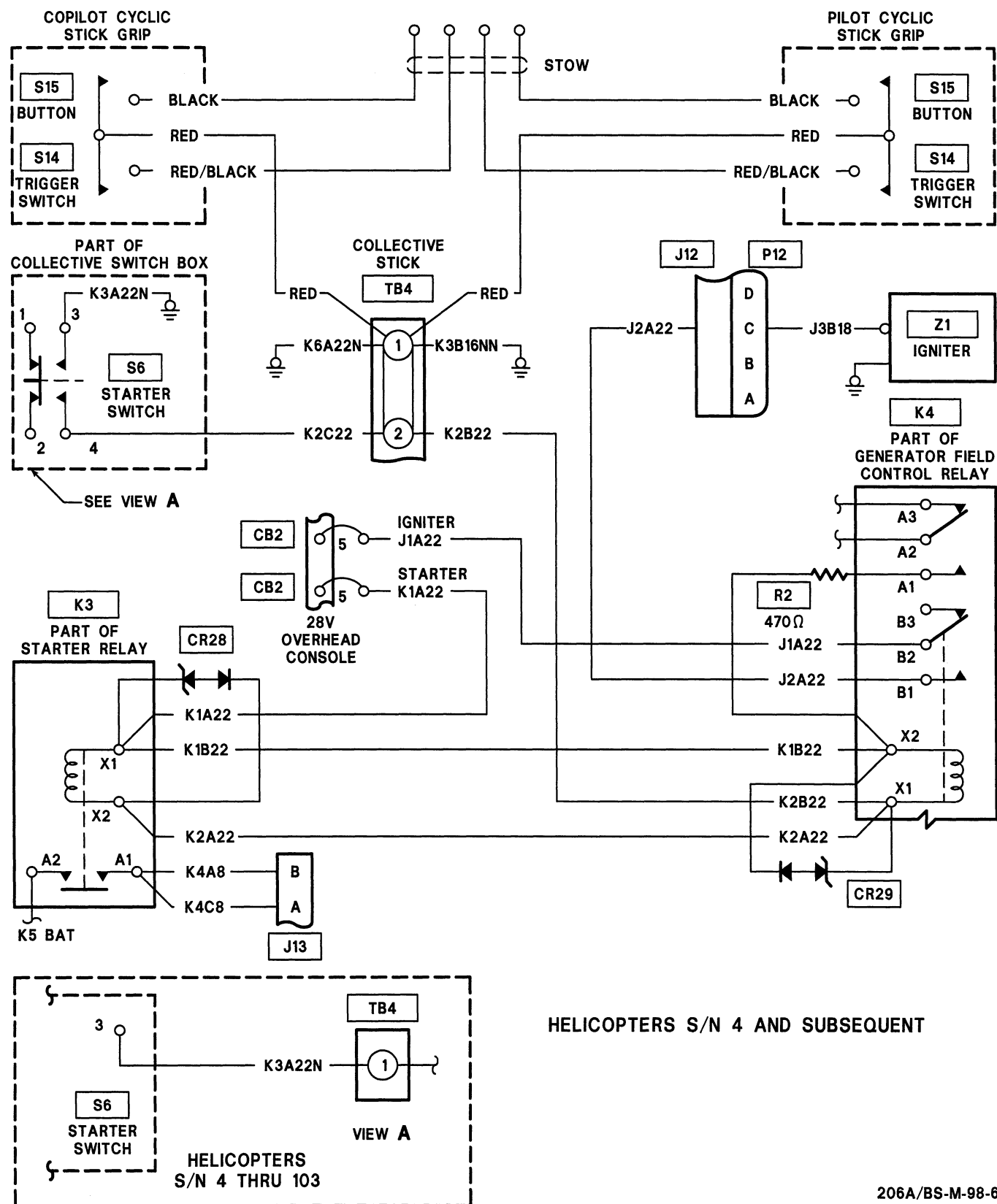
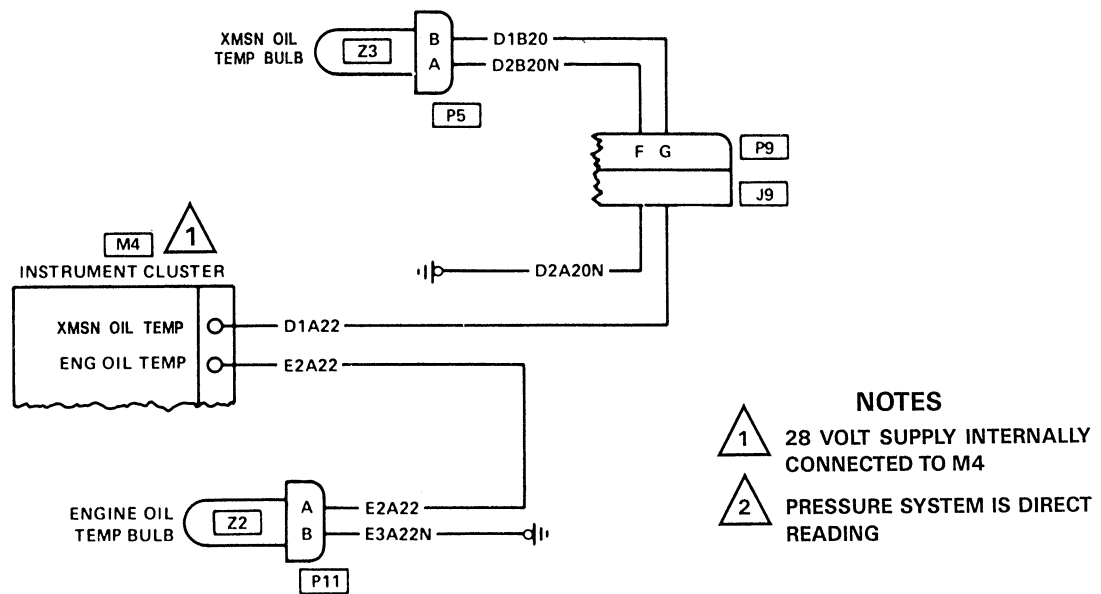
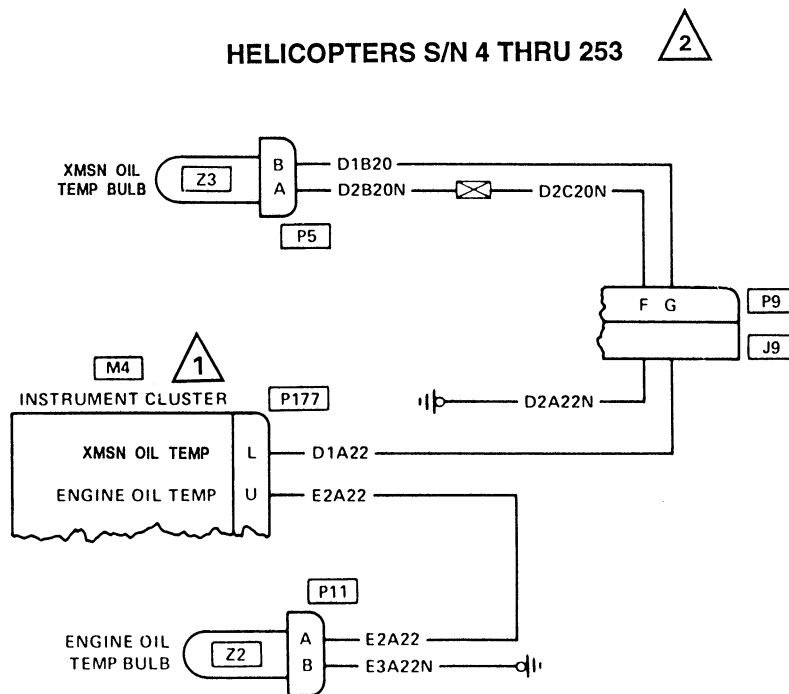


Figure 98-6. Igniter circuit



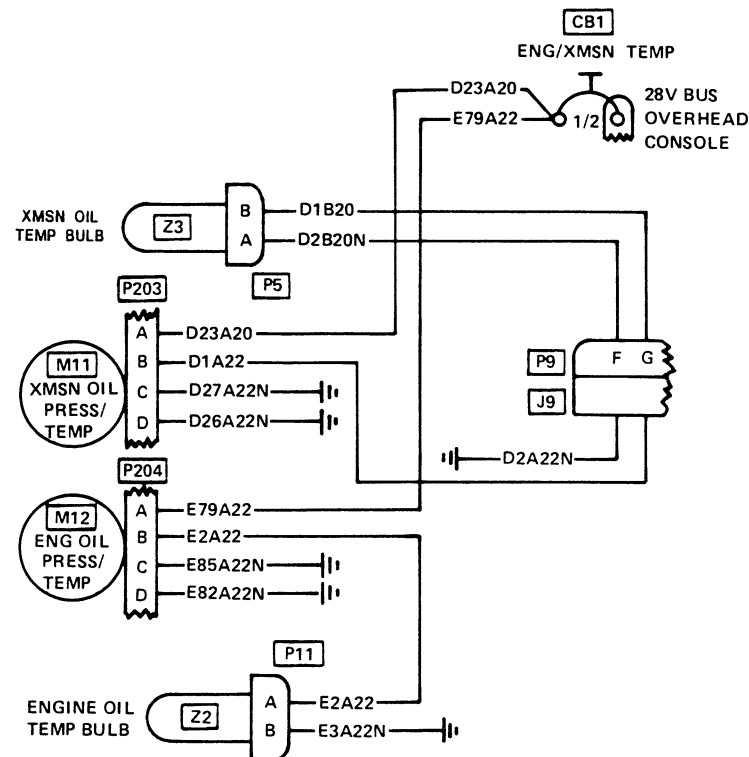
HELICOPTERS S/N 4 THRU 253



HELICOPTERS S/N 254 THRU 913

206A/BS-M-98-7-1

Figure 98-7. Oil temperature indicator circuit (Sheet 1 of 2)



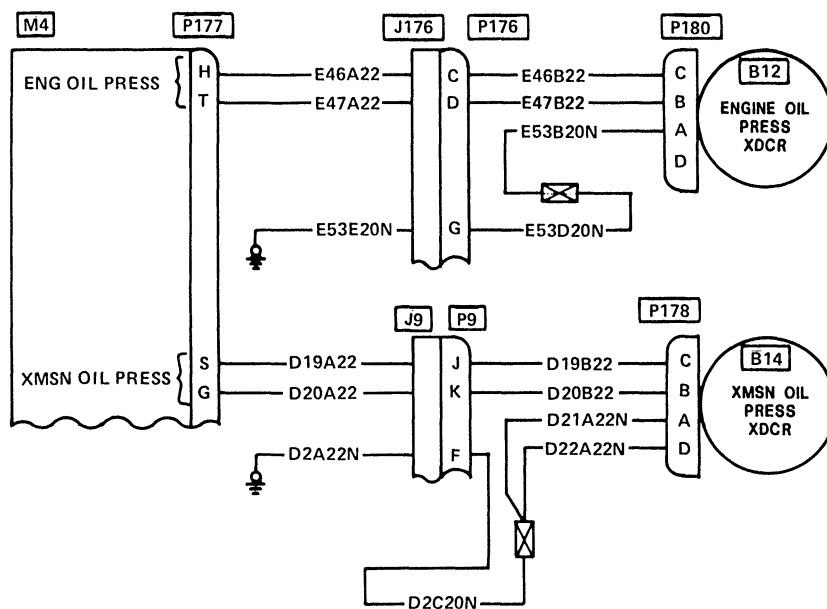
HELICOPTERS S/N 914 AND SUBSEQUENT (SEE NOTE)

NOTE

Pressure system is direct reading.

206A/BS-M-98-7-2

Figure 98-7. Oil temperature indicator circuit (Sheet 2)



HELICOPTERS S/N 4 THRU 913

206A/BS-M-98-8

Figure 98-8. Engine and transmission oil pressure circuit

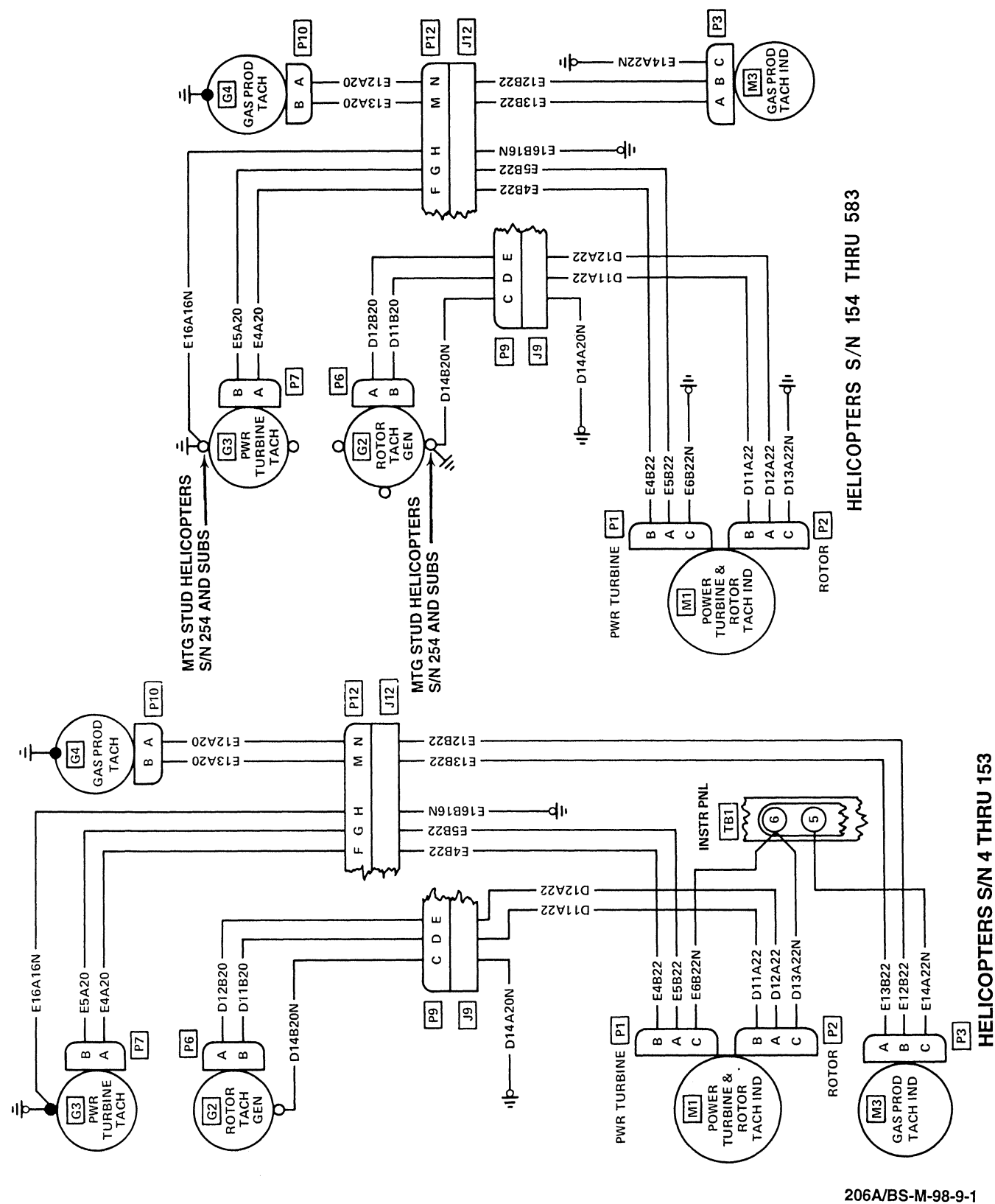


Figure 98-9. Tachometer circuit (Sheet 1 of 2)

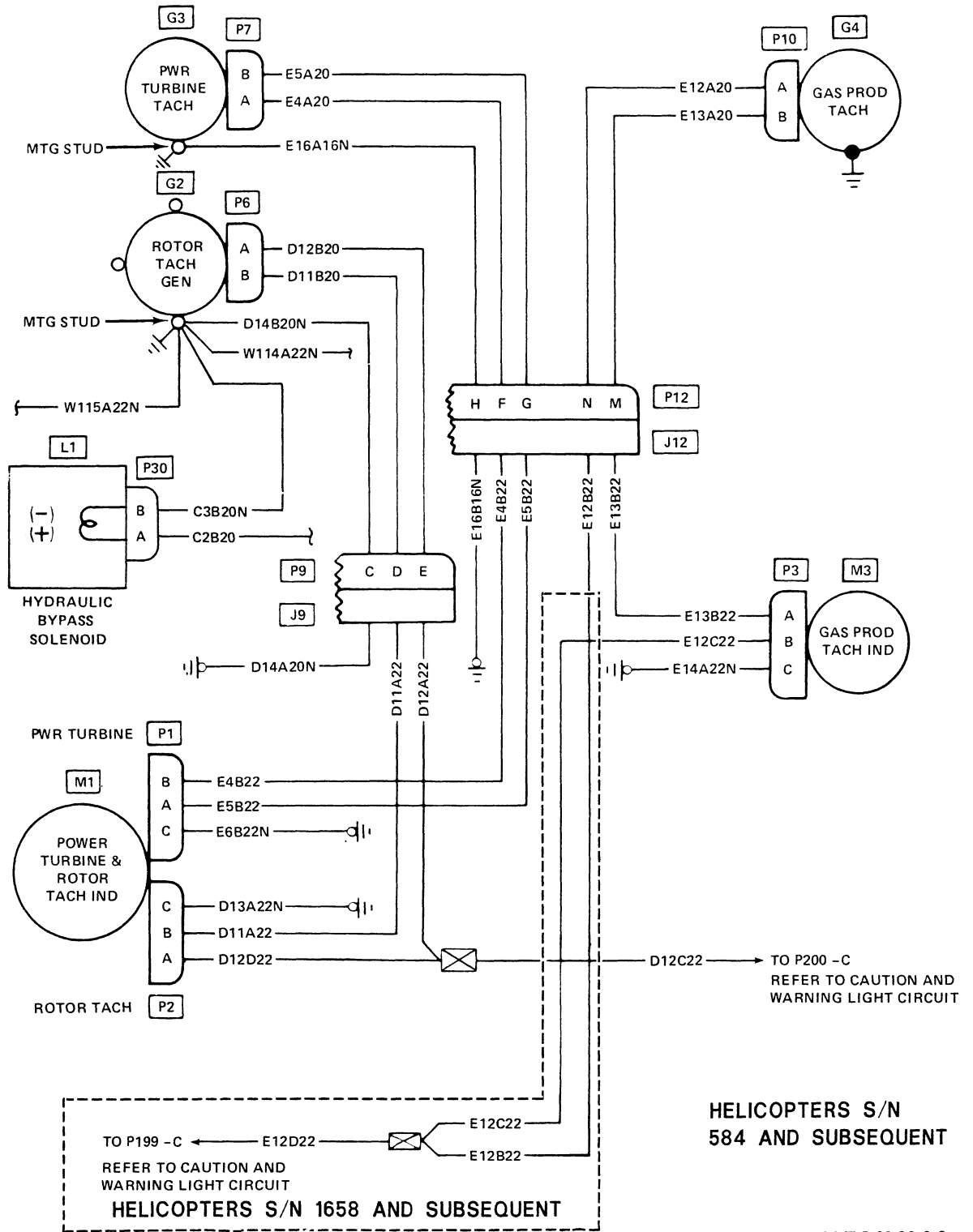
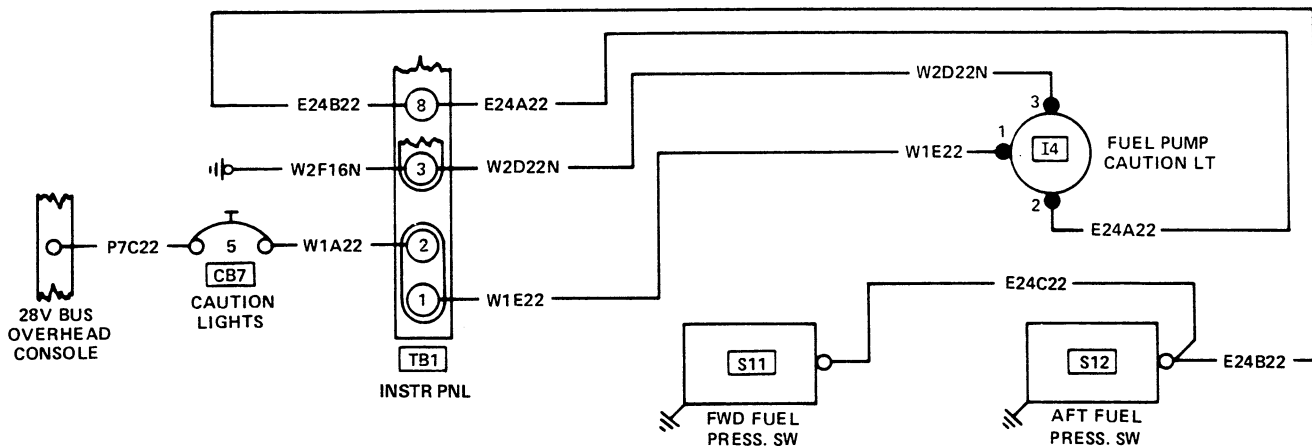
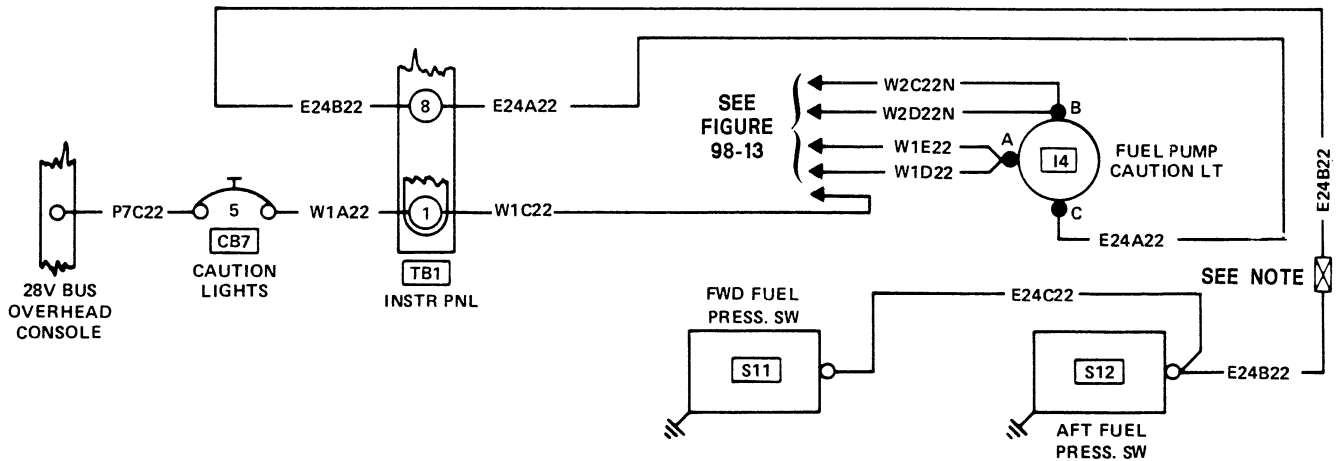


Figure 98-9. Tachometer circuit (Sheet 2)



HELICOPTERS S/N 4 THRU 153



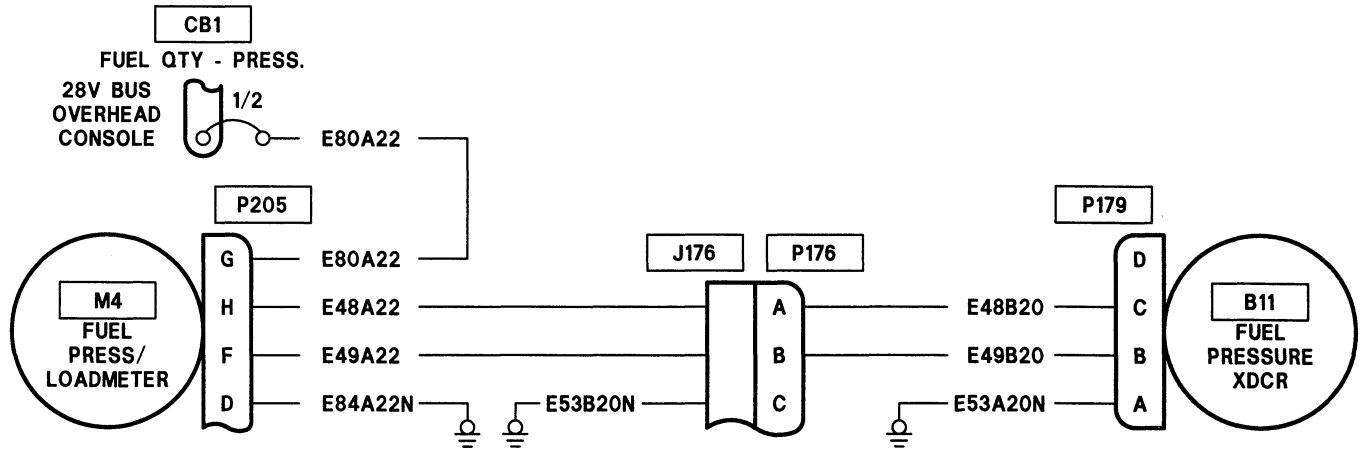
HELICOPTERS S/N 154 THRU 913

NOTE

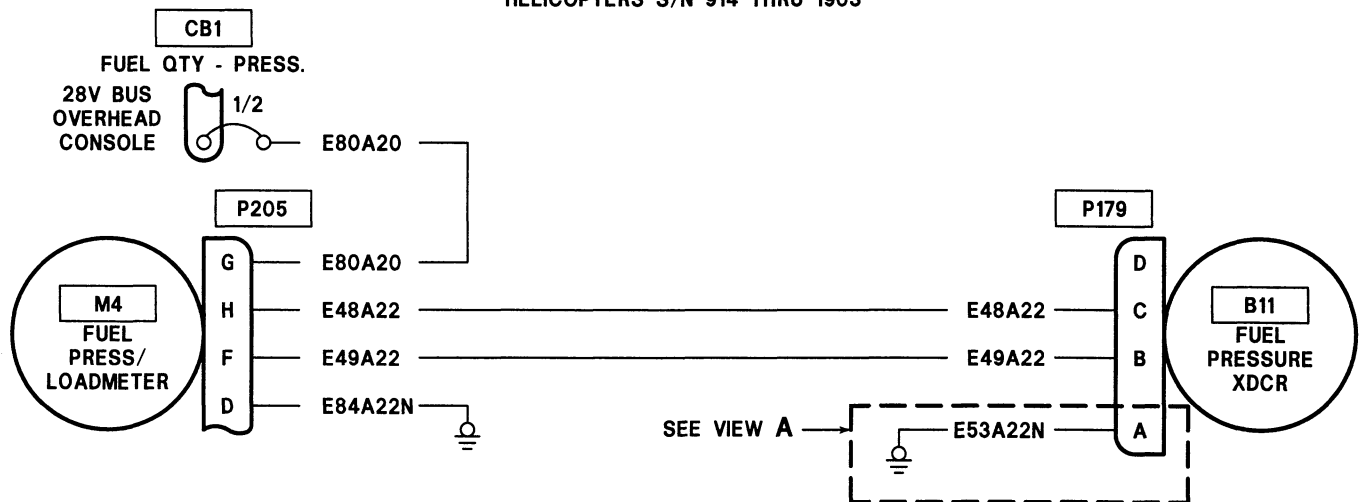
Helicopters S/N
204 thru 913

206A/BS-M-98-10-1

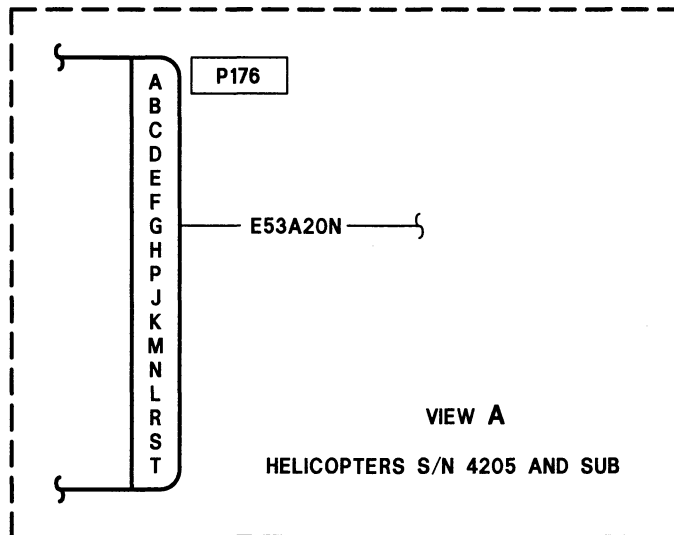
Figure 98-10. Fuel pressure indicator circuit (Sheet 1 of 2)



HELICOPTERS S/N 914 THRU 1903



HELICOPTERS S/N 1904 AND SUB



HELICOPTERS S/N 4205 AND SUB

206A/BS-M-98-10-2

Figure 98-10. Fuel pressure indicator circuit (Sheet 2)

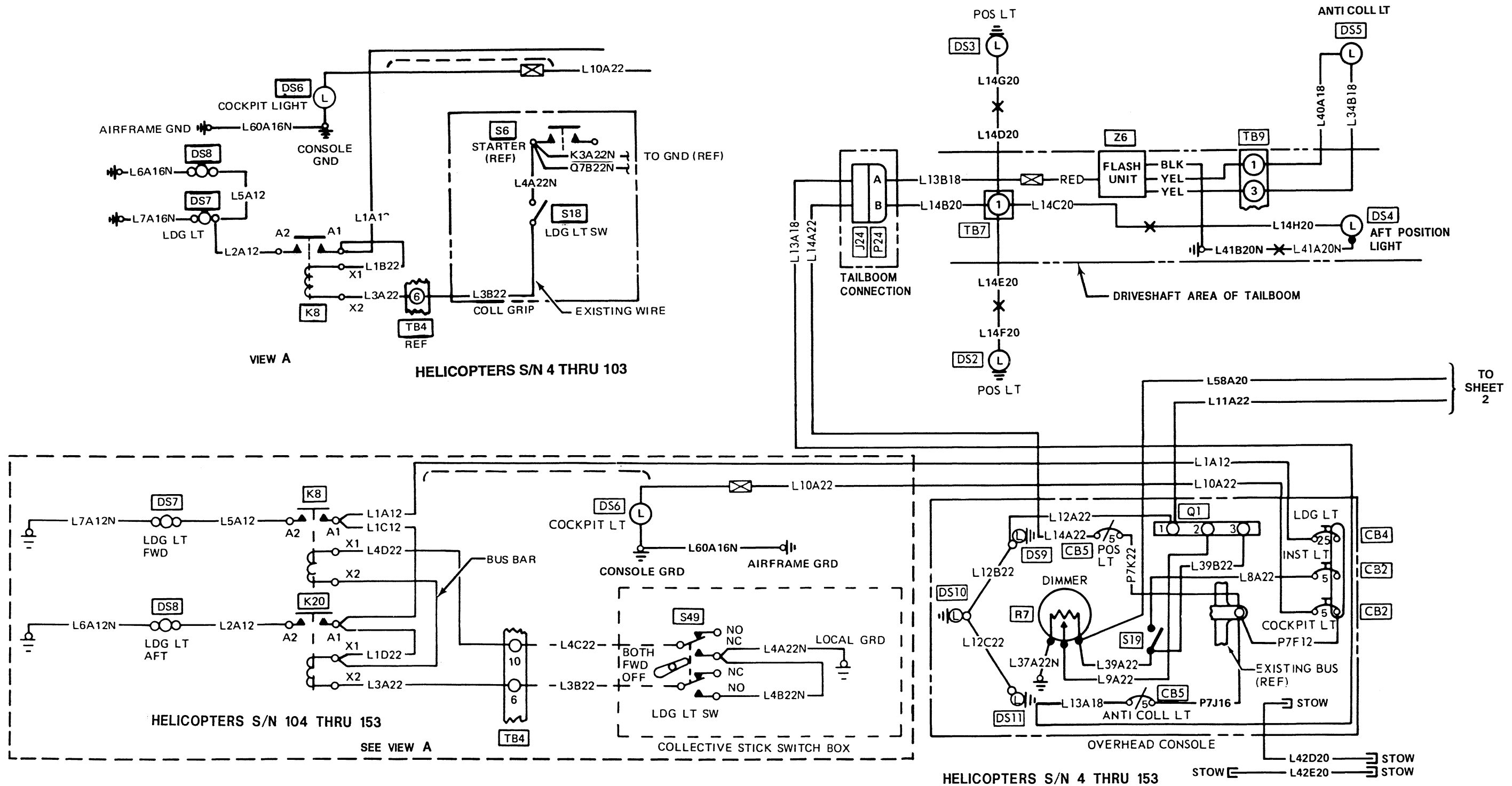
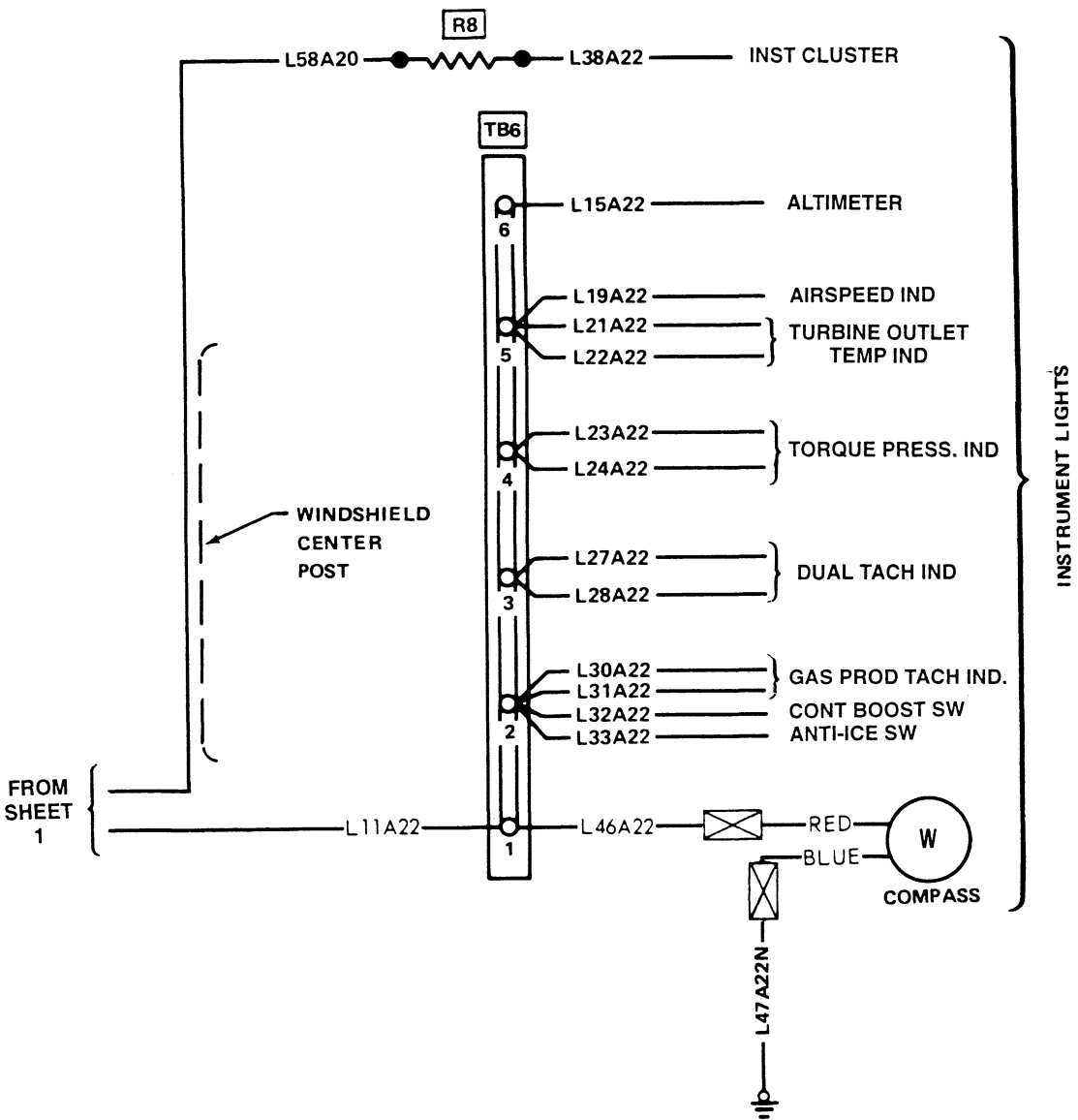


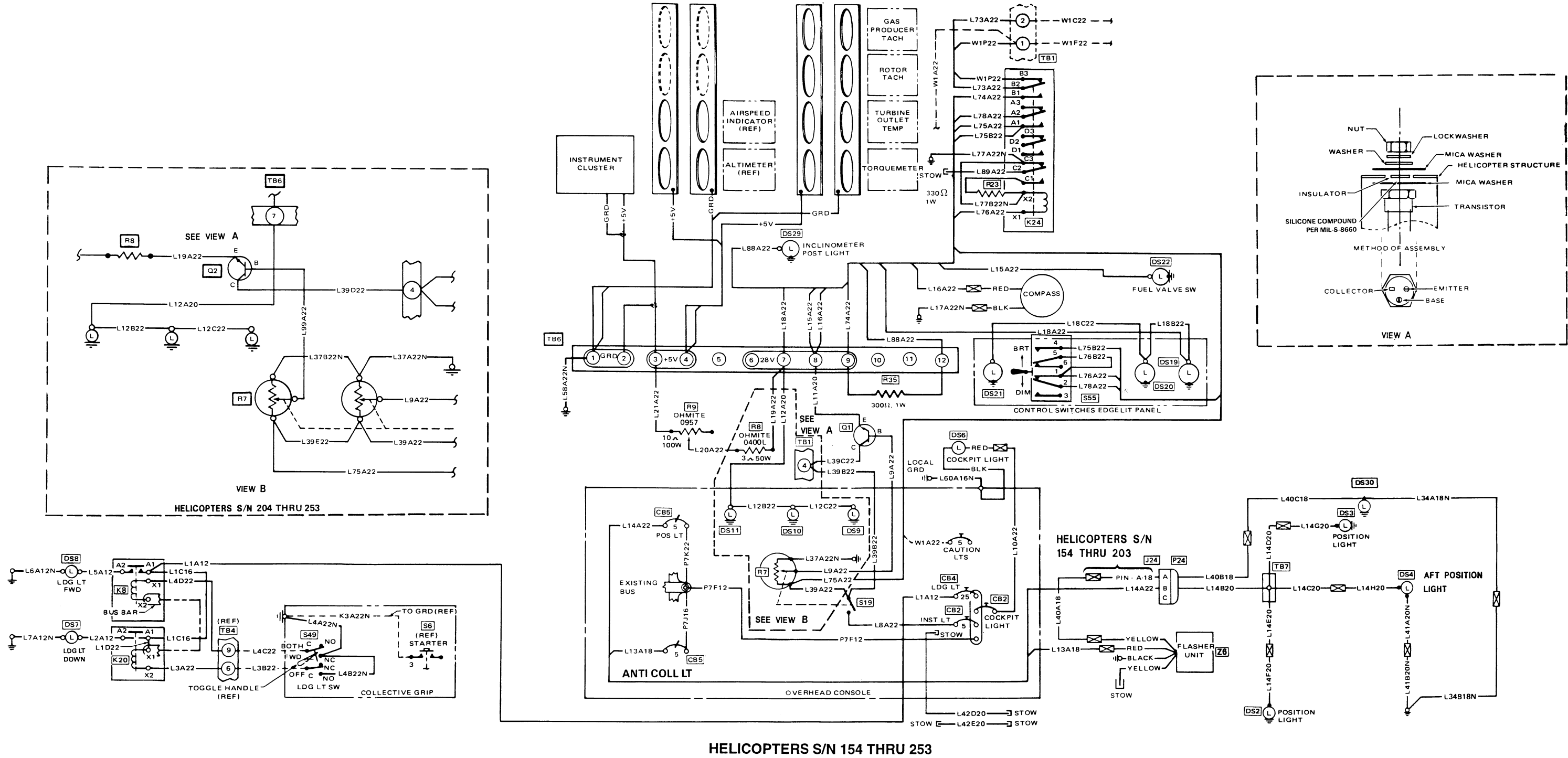
Figure 98-11. Lighting system (Sheet 1 of 10)



HELICOPTERS S/N 4 THRU 153

206A/BS-M-98-11-2

Figure 98-11. Lighting system (Sheet 2)



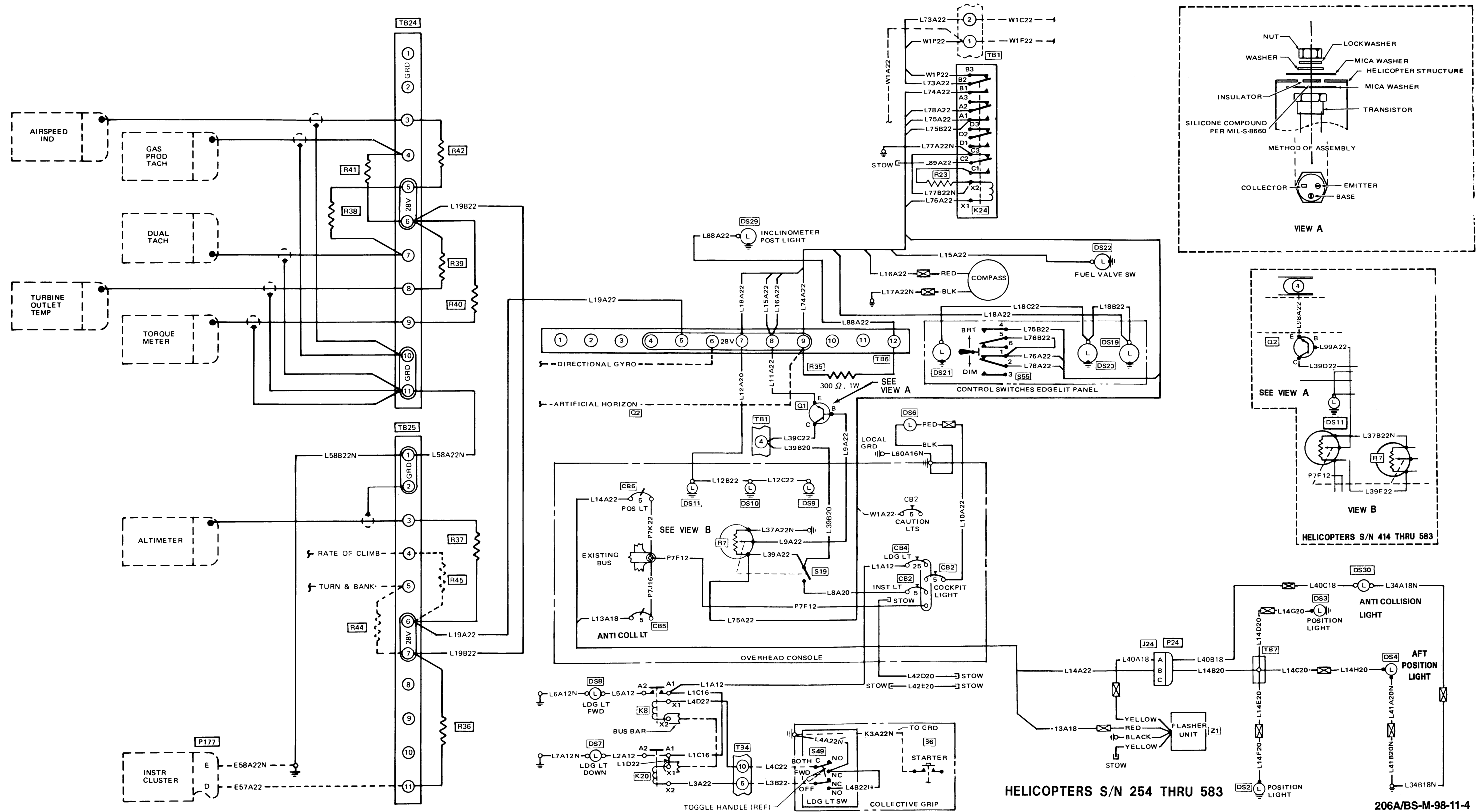
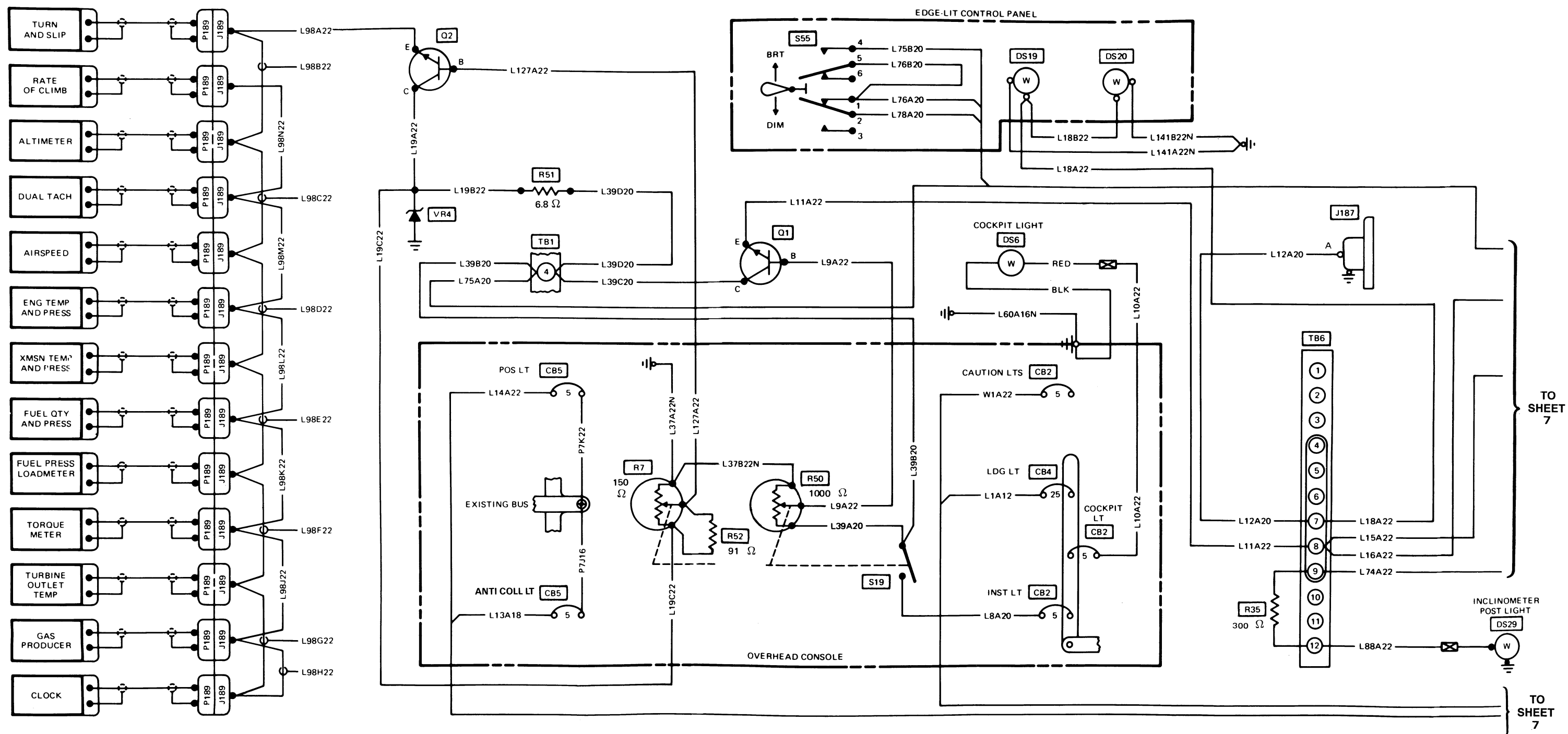


Figure 98-11. Lighting system (Sheet 4)

HELICOPTERS S/N 584 THRU 913

98-00-00
Page 28



HELICOPTERS S/N 914 THRU 2211

206A/BS-M-98-11-6

Figure 98-11. Lighting system (Sheet 6)

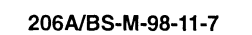


Figure 98-11. Lighting system (Sheet 7)

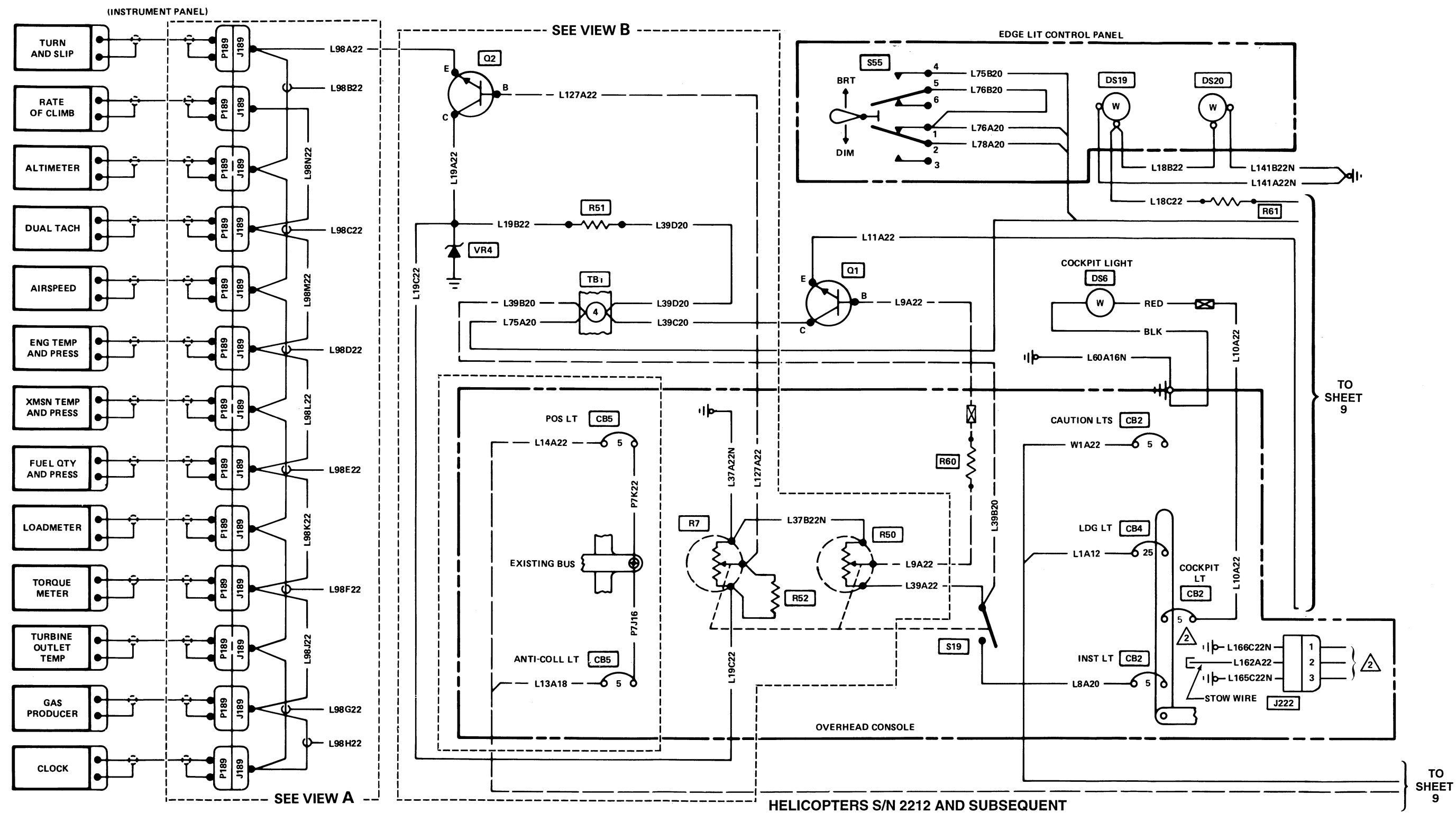
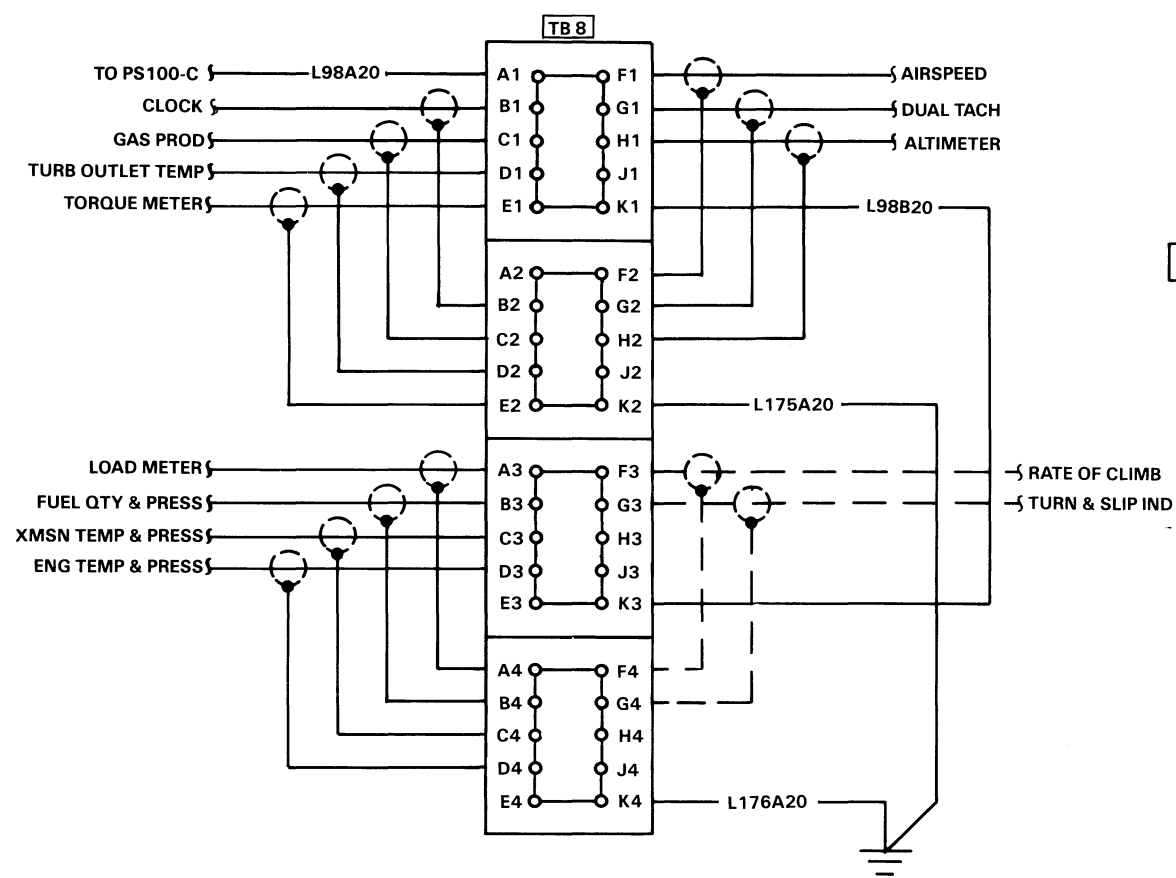
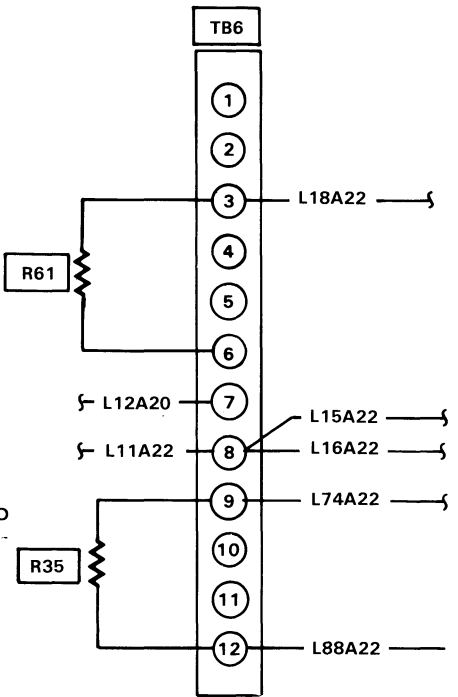


Figure 98-11. Lighting system (Sheet 8)

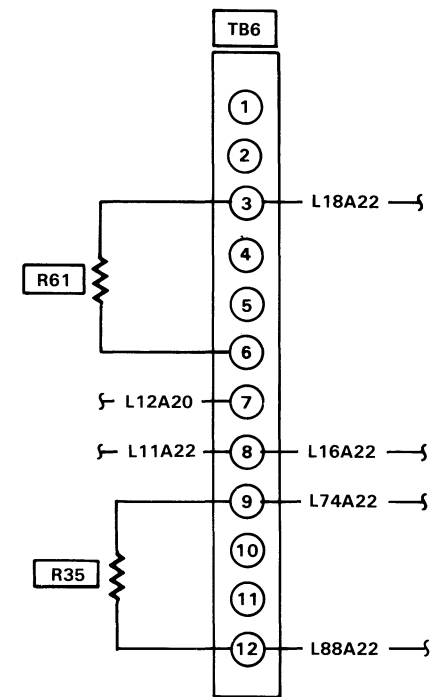




VIEW A
HELICOPTERS S/N 4217 AND SUBSEQUENT



HELICOPTERS S/N 3217 THRU 4074

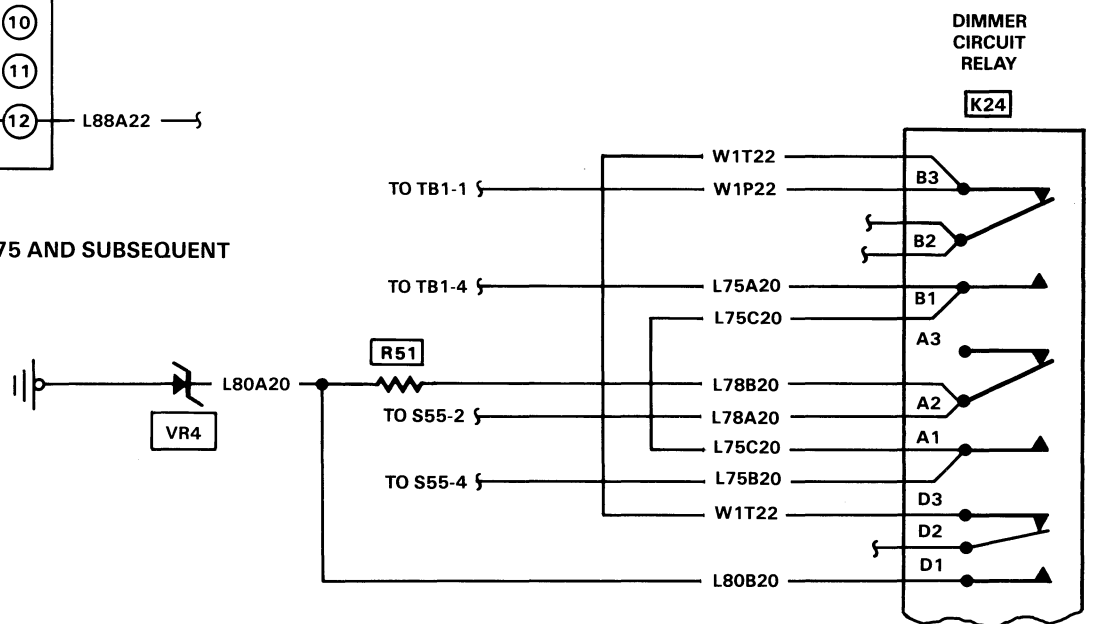


HELICOPTERS S/N 4075 AND SUBSEQUENT

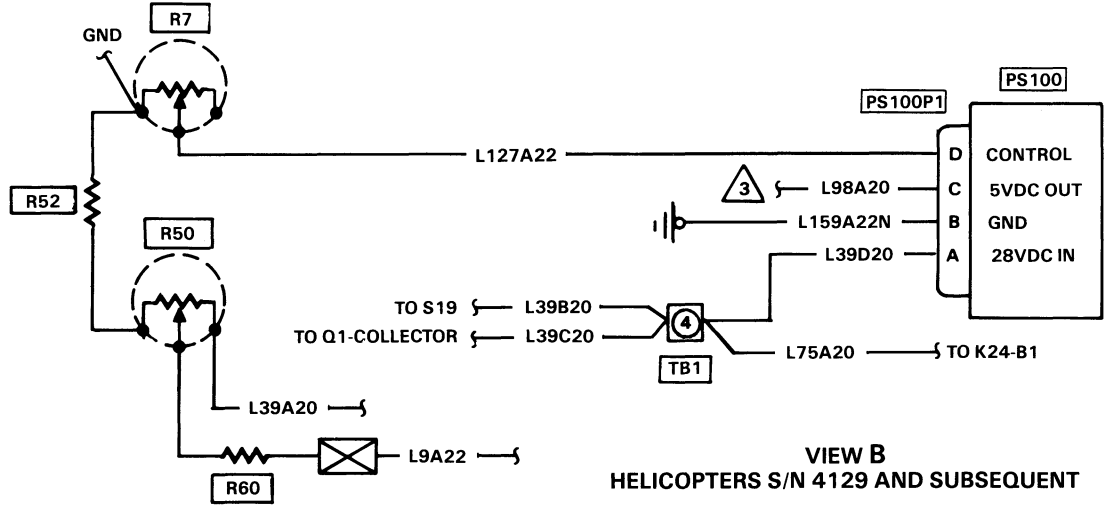
VIEW C

NOTE

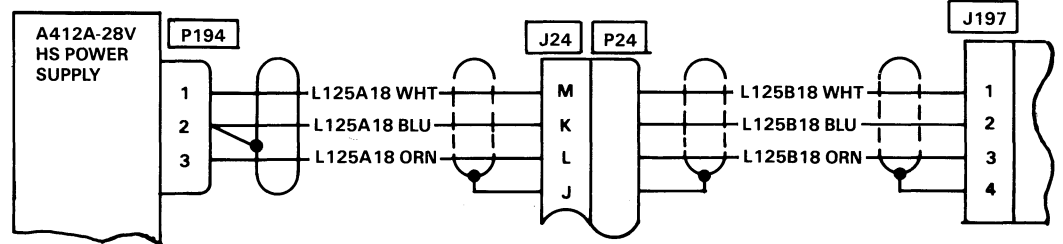
- 1 See caution and warning light circuit.
- 2 See custom deluxe interior wiring circuit.
- 3 On helicopters S/N 4129 and subsequent, wire L98A20 goes to TB8-A1. On helicopters prior to S/N 4129, wire L98A20 goes to J189.



VIEW E
HELICOPTERS S/N 4129 AND SUBSEQUENT

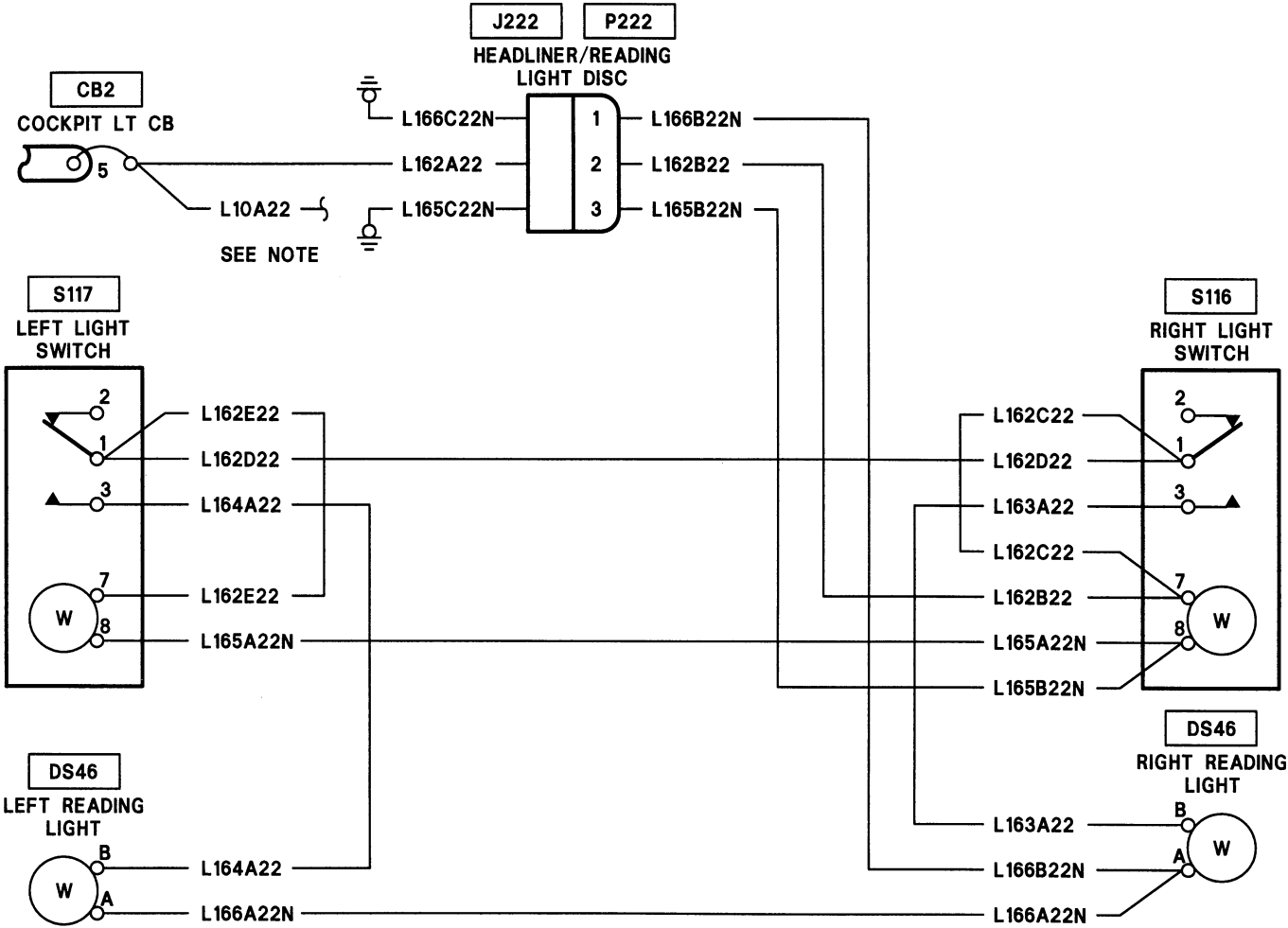


VIEW B
HELICOPTERS S/N 4129 AND SUBSEQUENT



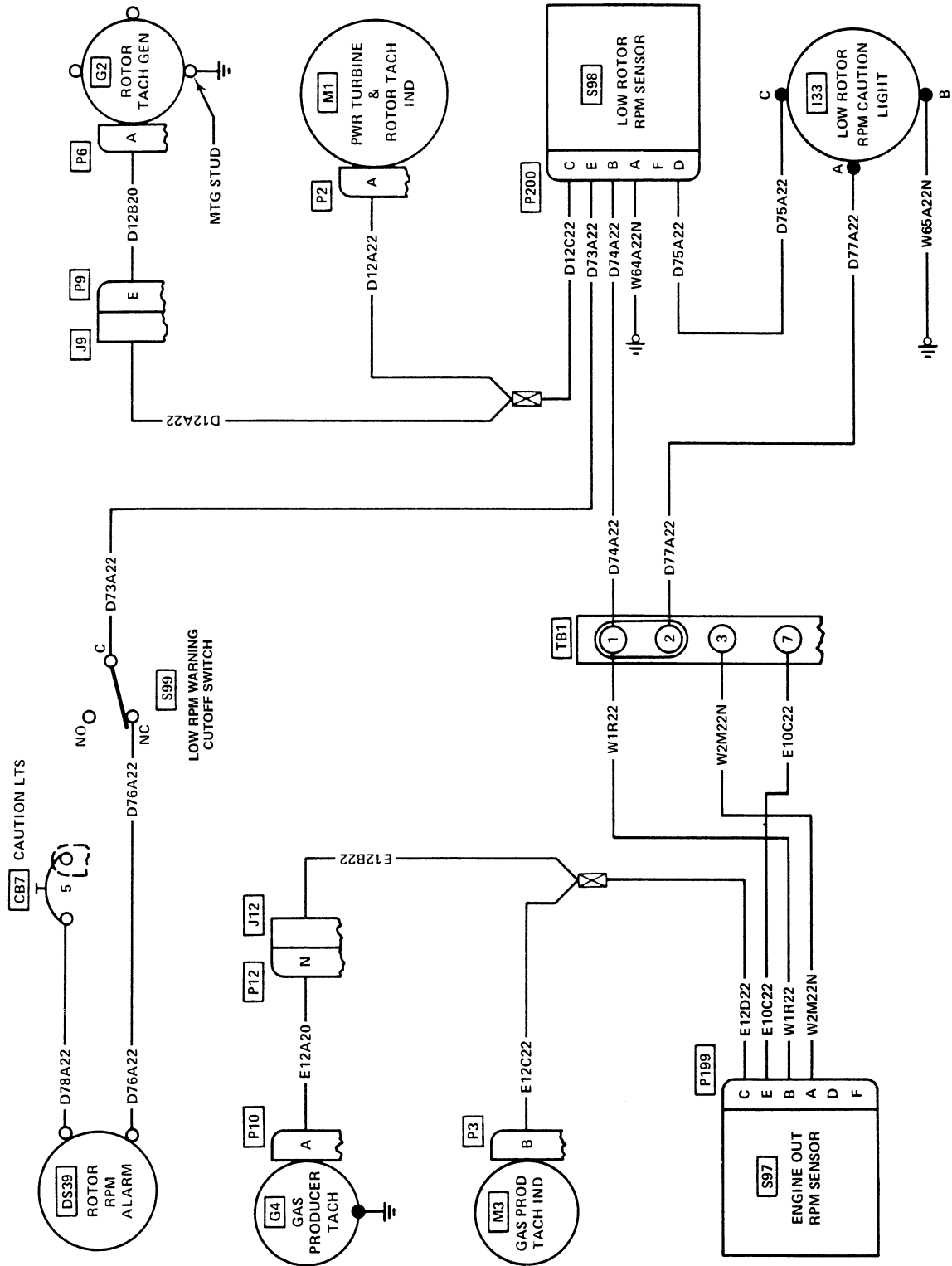
VIEW D
HELICOPTERS S/N 4205 AND SUBSEQUENT

Figure 98-11. Lighting system (Sheet 10)



NOTE
See lighting system wiring diagram.

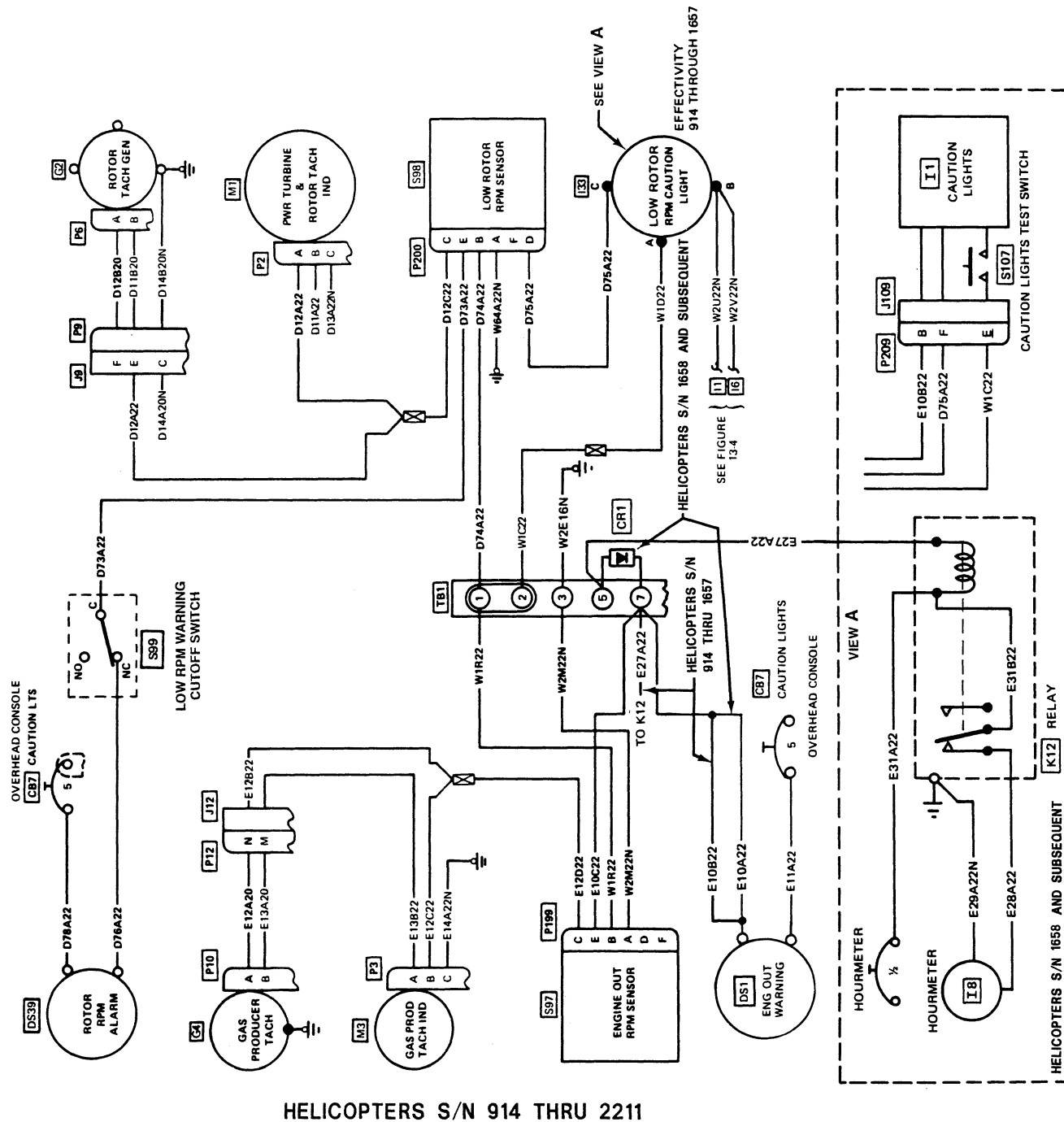
Figure 98-12. Custom deluxe interior lighting system (where fitted)



HELICOPTERS S/N 584 THRU 913

206A/BS-M-98-13-1

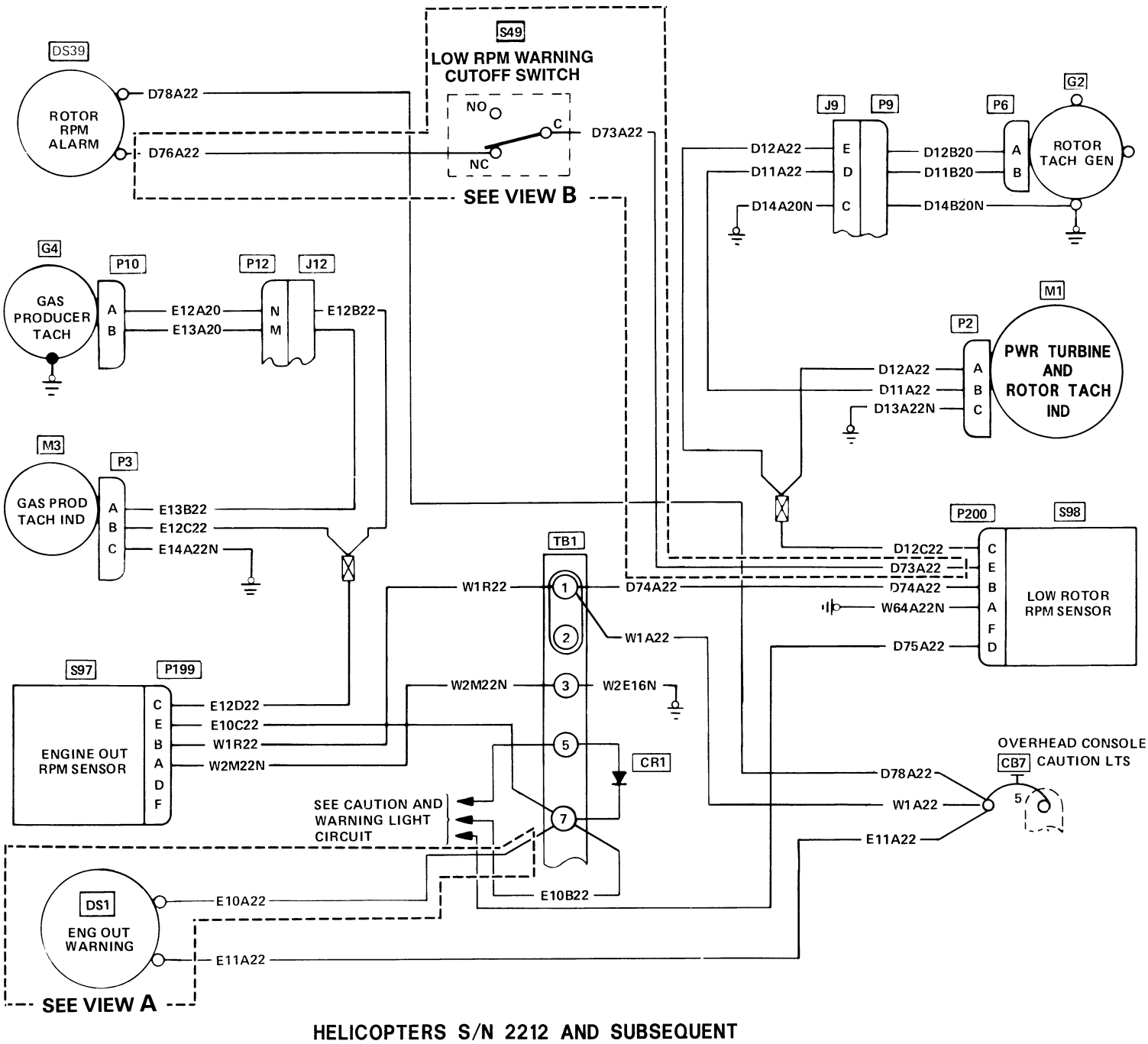
Figure 98-13. Engine out rpm sensor/low rotor rpm sensor (Sheet 1 of 3)



HELICOPTERS S/N 914 THRU 2211

206A/BS-M-98-13-2

Figure 98-13. Engine out rpm sensor/low rotor rpm sensor (Sheet 2)



HELICOPTERS S/N 2212 AND SUBSEQUENT

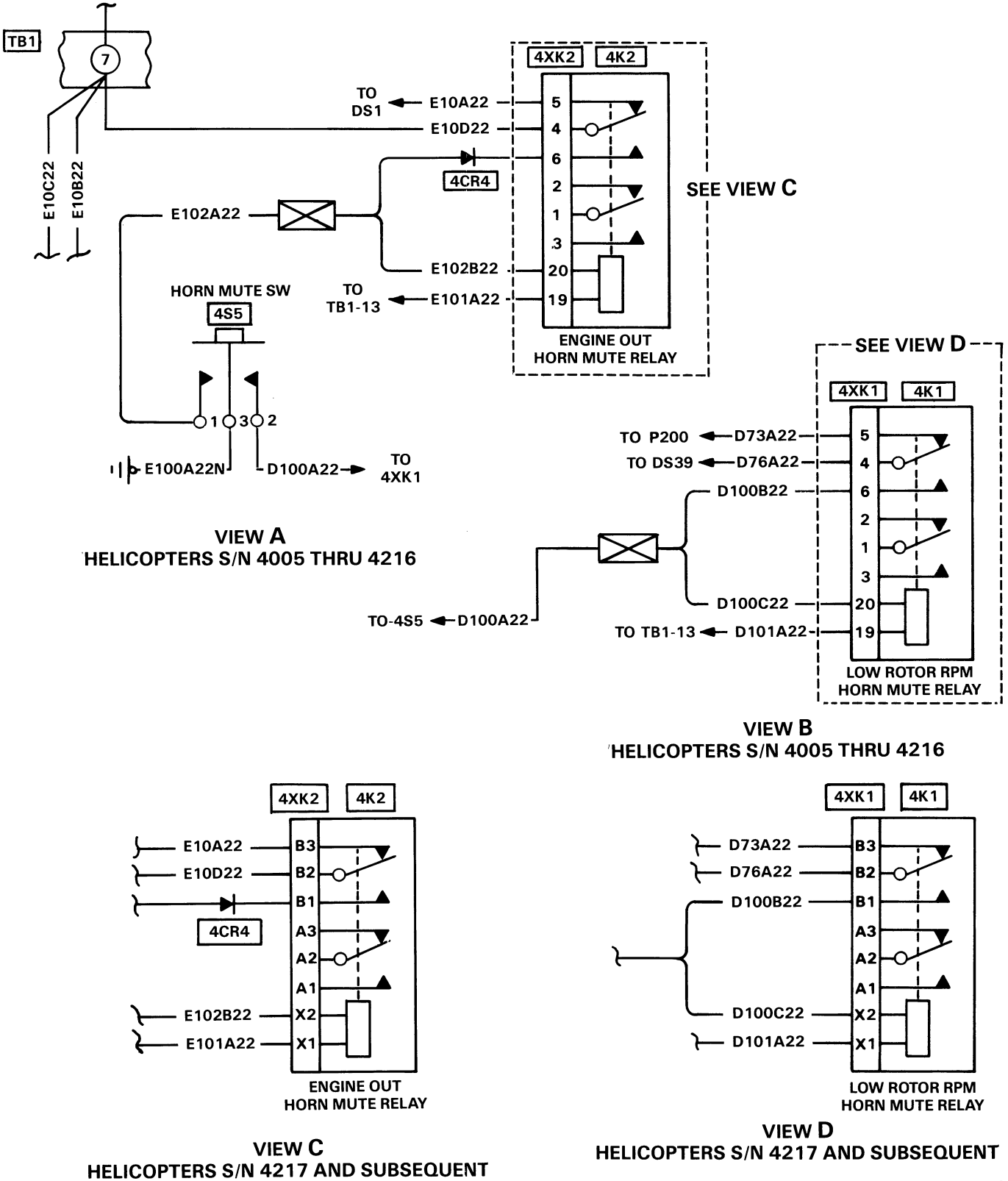
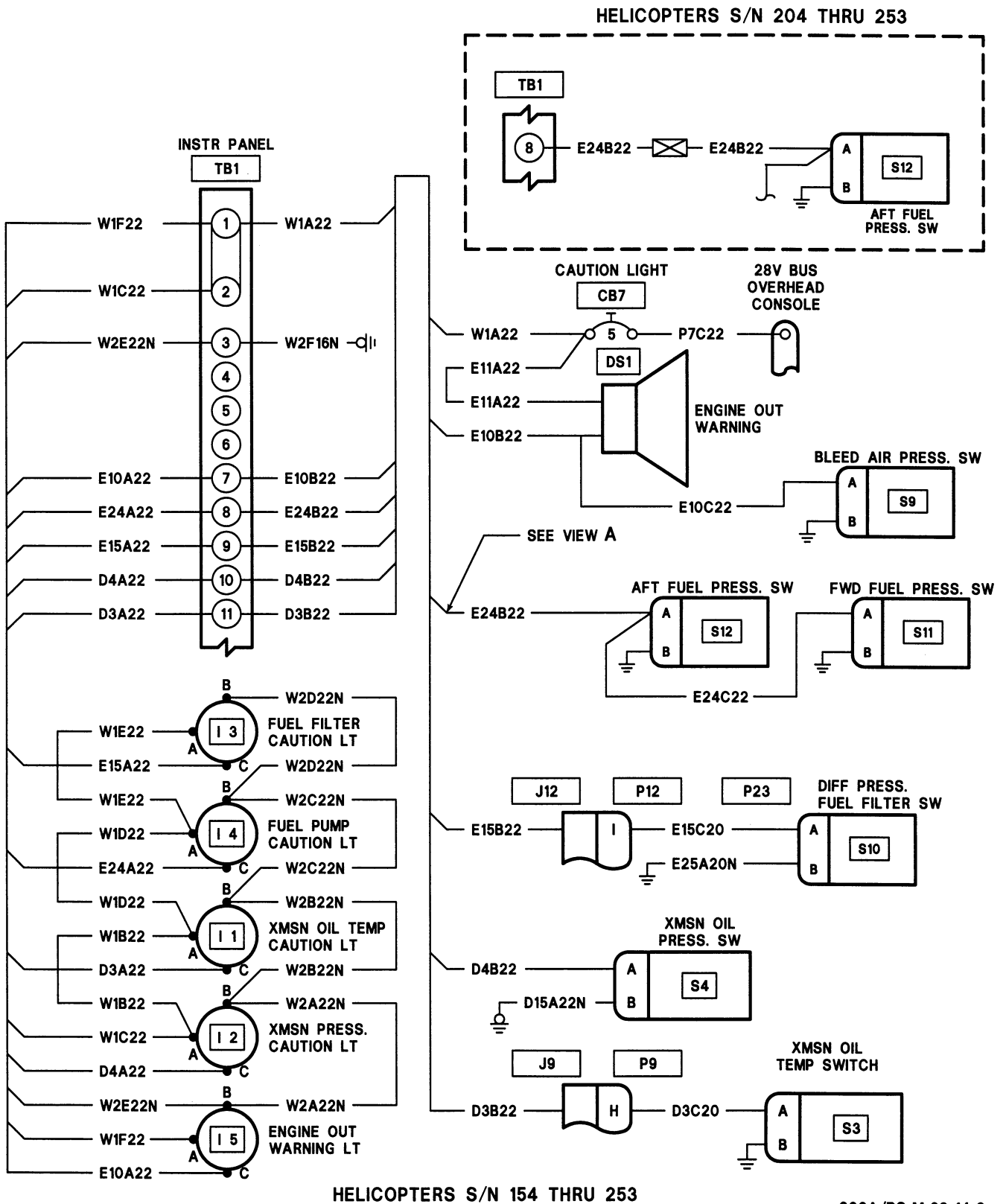


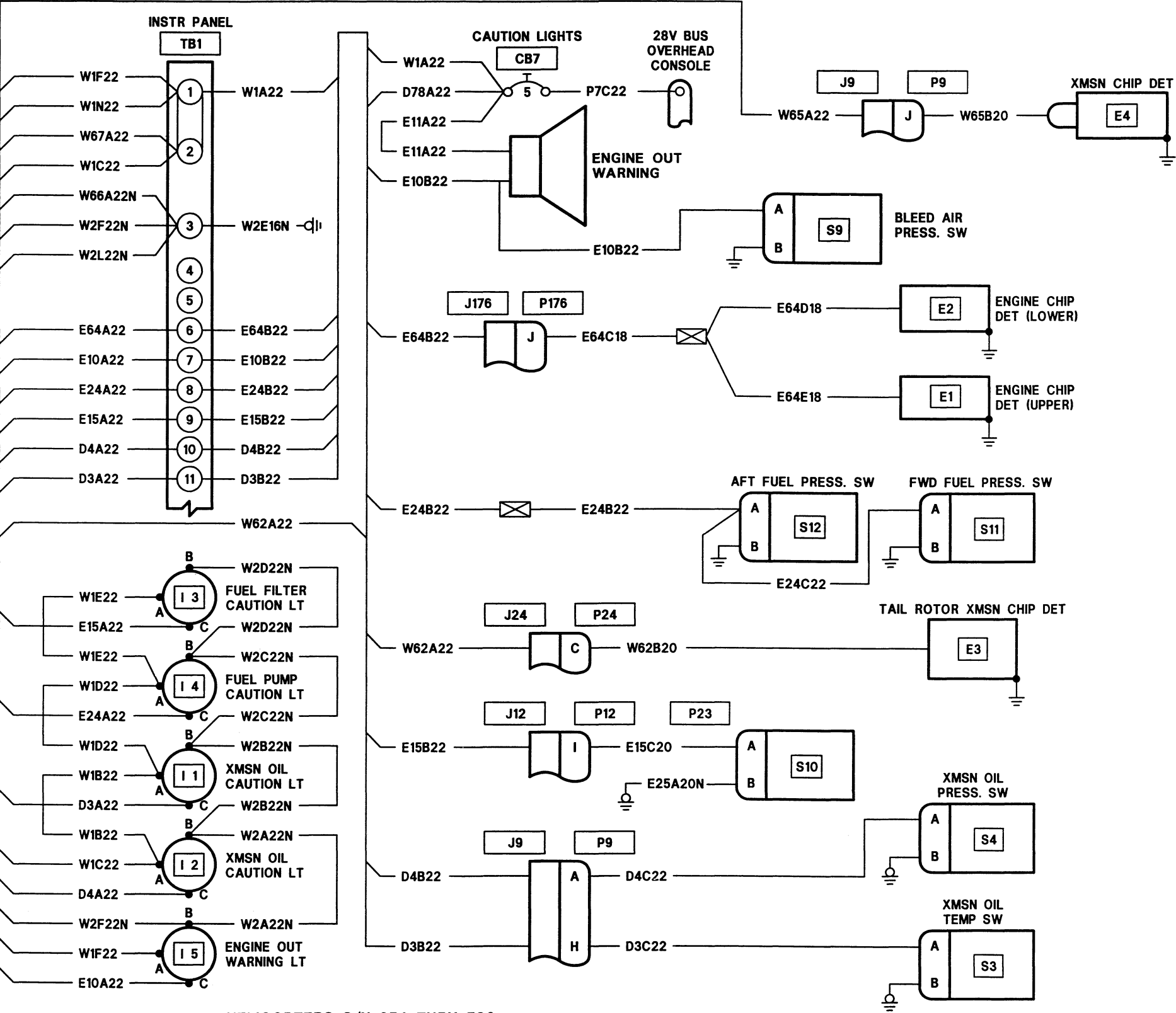
Figure 98-13. Engine out rpm sensor/low rotor rpm sensor (Sheet 3)





206A/BS-M-98-14-2

Figure 98-14. Caution and warning light circuit (Sheet 2)



HELICOPTERS S/N 254 THRU 583

206A/BS-M-98-14-3

Figure 98-14. Caution and warning light circuit (Sheet 3)

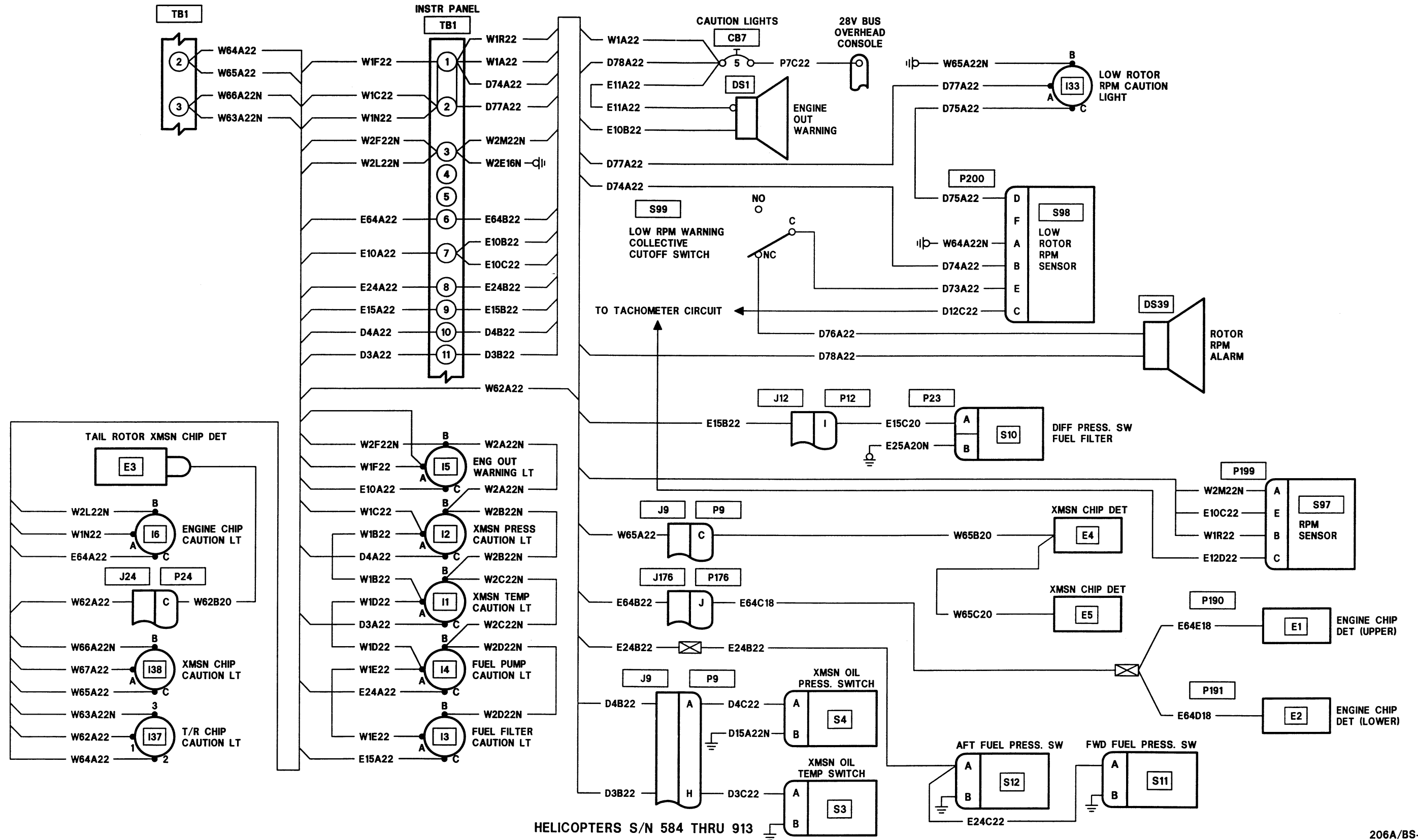
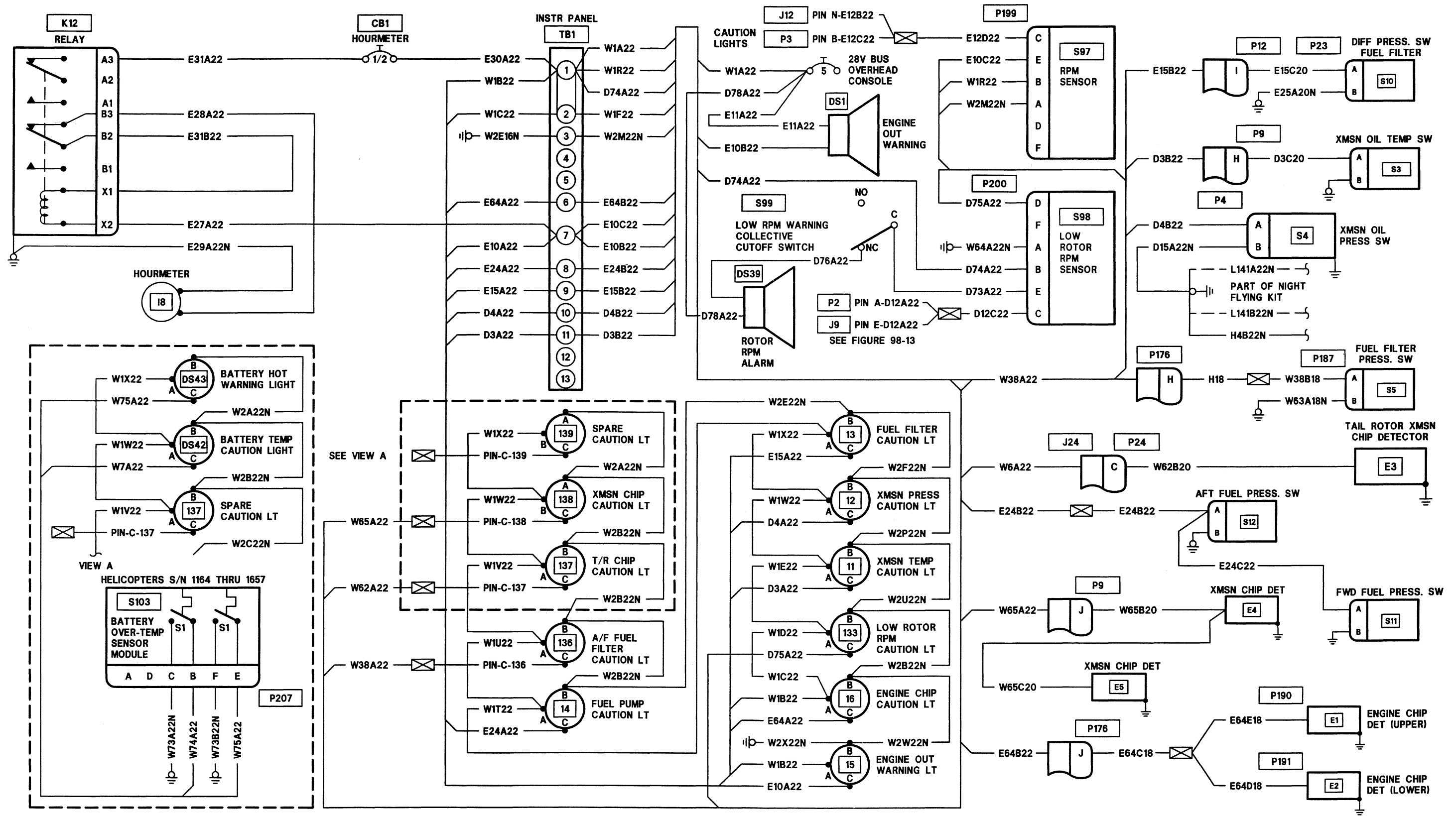


Figure 98-14. Caution and warning light circuit (Sheet 4)



206A/BS-M-98-14-5

Figure 98-14. Caution and warning light circuit (Sheet 5)

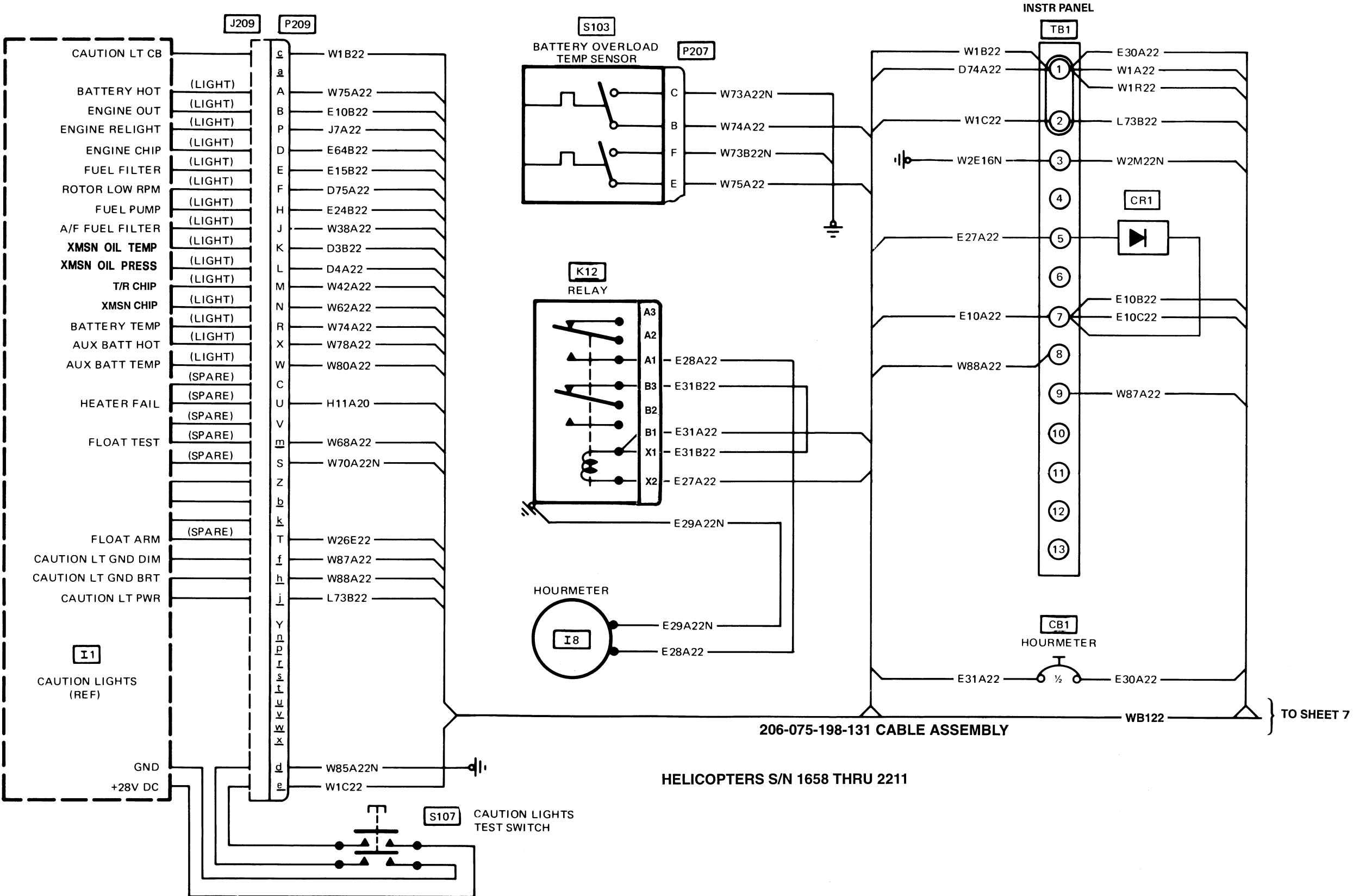


Figure 98-14. Caution and warning light circuit (Sheet 6)

206-075-198-131 CABLE ASSEMBLY

HELICOPTERS S/N 1658 THRU 2211

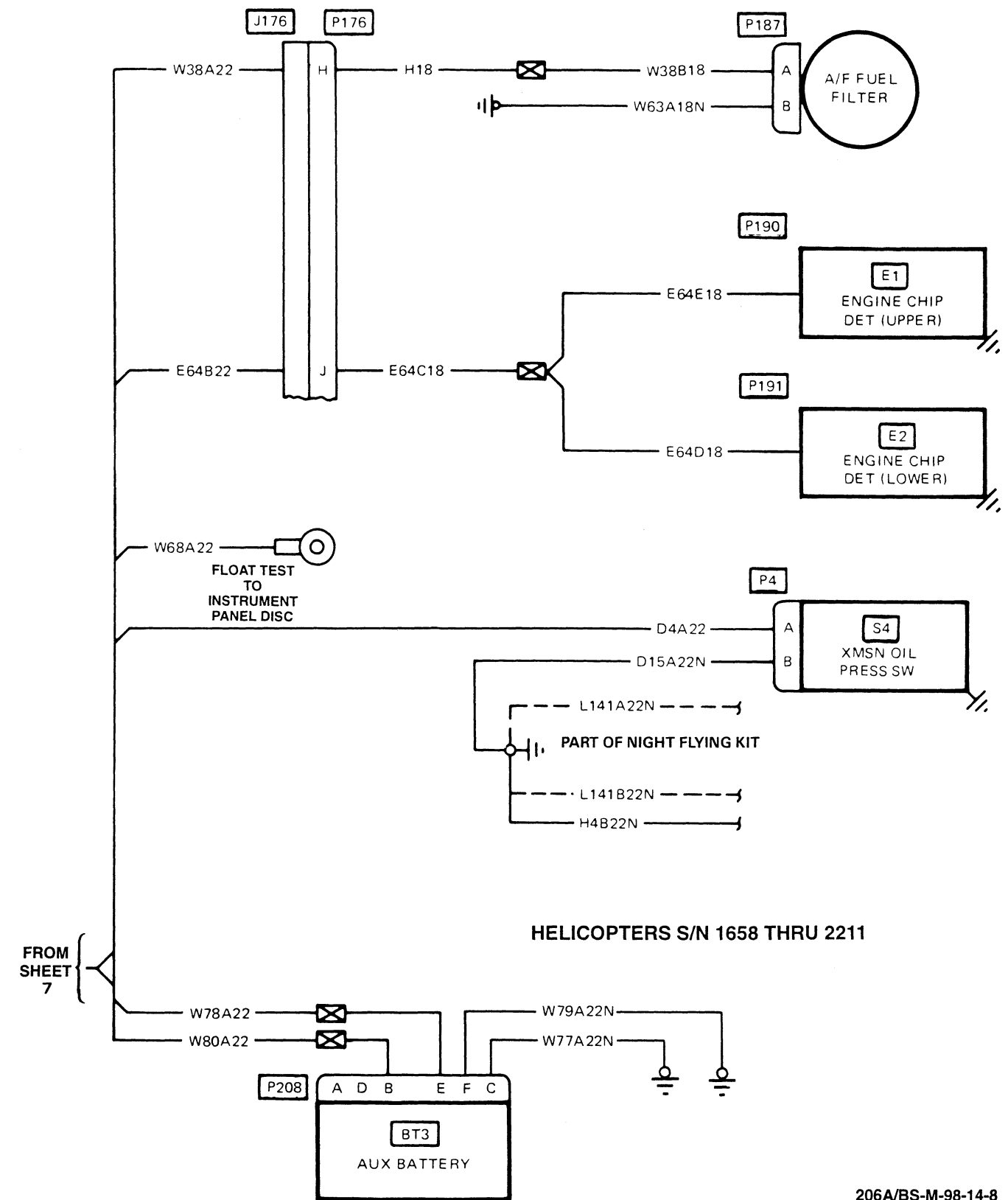
TO SHEET 8

COMPONENTS AND CONNECTIONS:

- S97 RPM SENSOR (P199):**
 - A: W2M22N
 - B: W1R22
 - C: E12D22
 - D: E10C22
 - E: E12B22
 - F: E12C22
- S98 ROTOR LOW RPM SENSOR (P200):**
 - D: D75A22
 - F: W64A22N
 - A: D74A22
 - B: D73A22
 - E: D73A22
 - C: D12C22
- S99 LOW RPM WARNING COLLECTIVE CUTOFF SWITCH:**
 - NO: D73A22
 - NC: D76A22
- DS39 ROTOR RPM ALARM:**
 - D76A22
 - D78A22
- DS1 ENGINE OUT WARNING:**
 - E10A22
- GAS PRODUCER TACH (G4):**
 - E12A20
- GAS PRODUCER TACH IND (M3):**
 - E12C22
- ROTOR TACH GEN (G2):**
 - D12B20
- PWR TURBINE AND ROTOR TACH INDICATOR (M1):**
 - D12D22
- TAIL ROTOR XMSN CHIP DETECTOR (E3):**
 - W42B20
- FWD FUEL PRESS SW (S10):**
 - E15C20
 - E25A20N
- XMSN CHIP DET (E4):**
 - W62B22
- XMSN CHIP DET (E5):**
 - W62C20
- XMSN OIL TEMP SW (S3):**
 - D3C20
- AFT FUEL PRESS SW (S12):**
 - E24B22
 - E24C22
- FWD FUEL PRESS SW (S11):**
 - J7A22
- SEE ENGINE RELIGHT KIT:**
 - J7A22
- FLOATS (CB16):**
 - W26E22
- TO K10-A3 SEE HEATER KIT PROVISIONS:**
 - H11A20

206A/BS-M-98-14-7

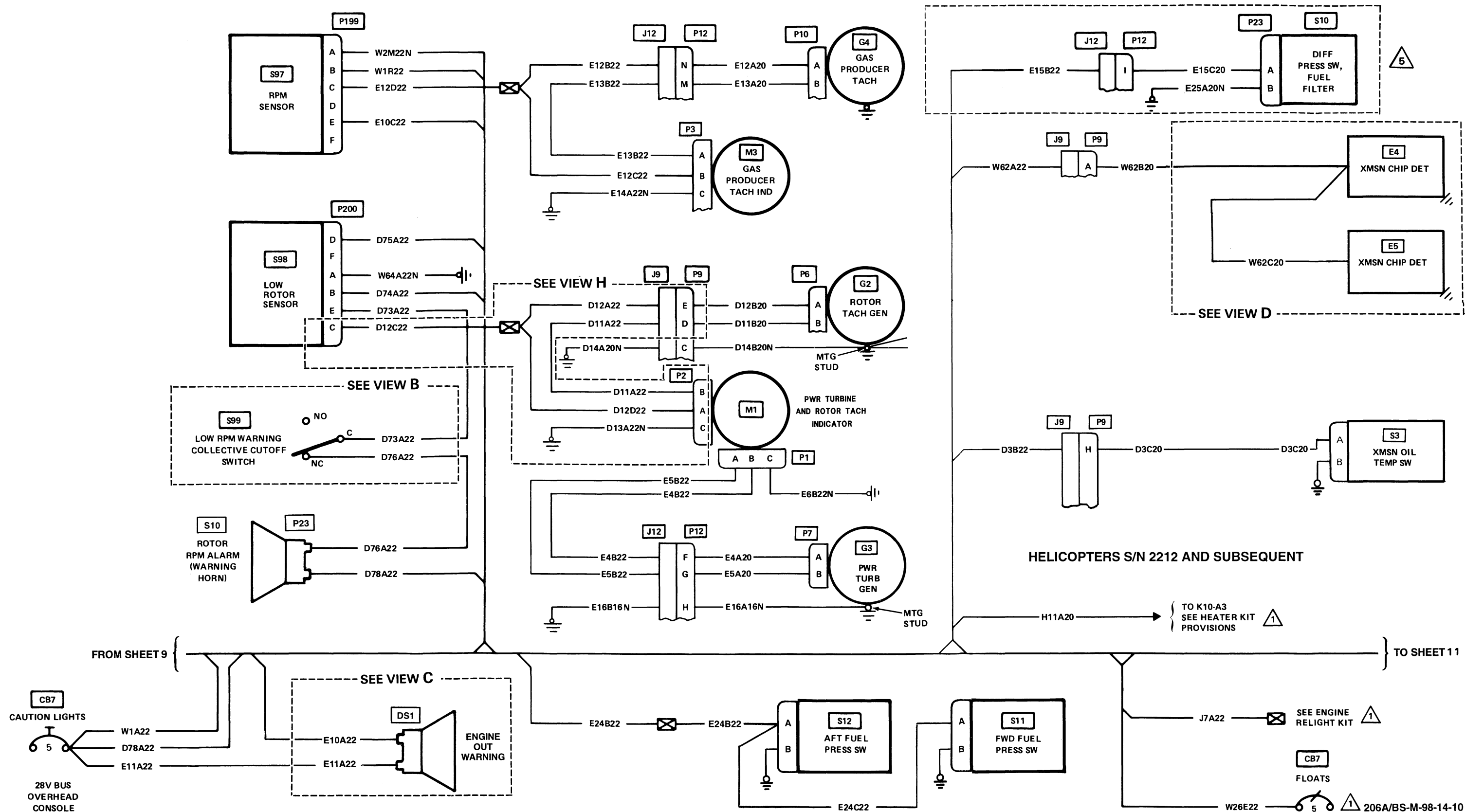
98-00-00
Page 44



206A/BS-M-98-14-8

Figure 98-14. Caution and warning light circuit (Sheet 8)





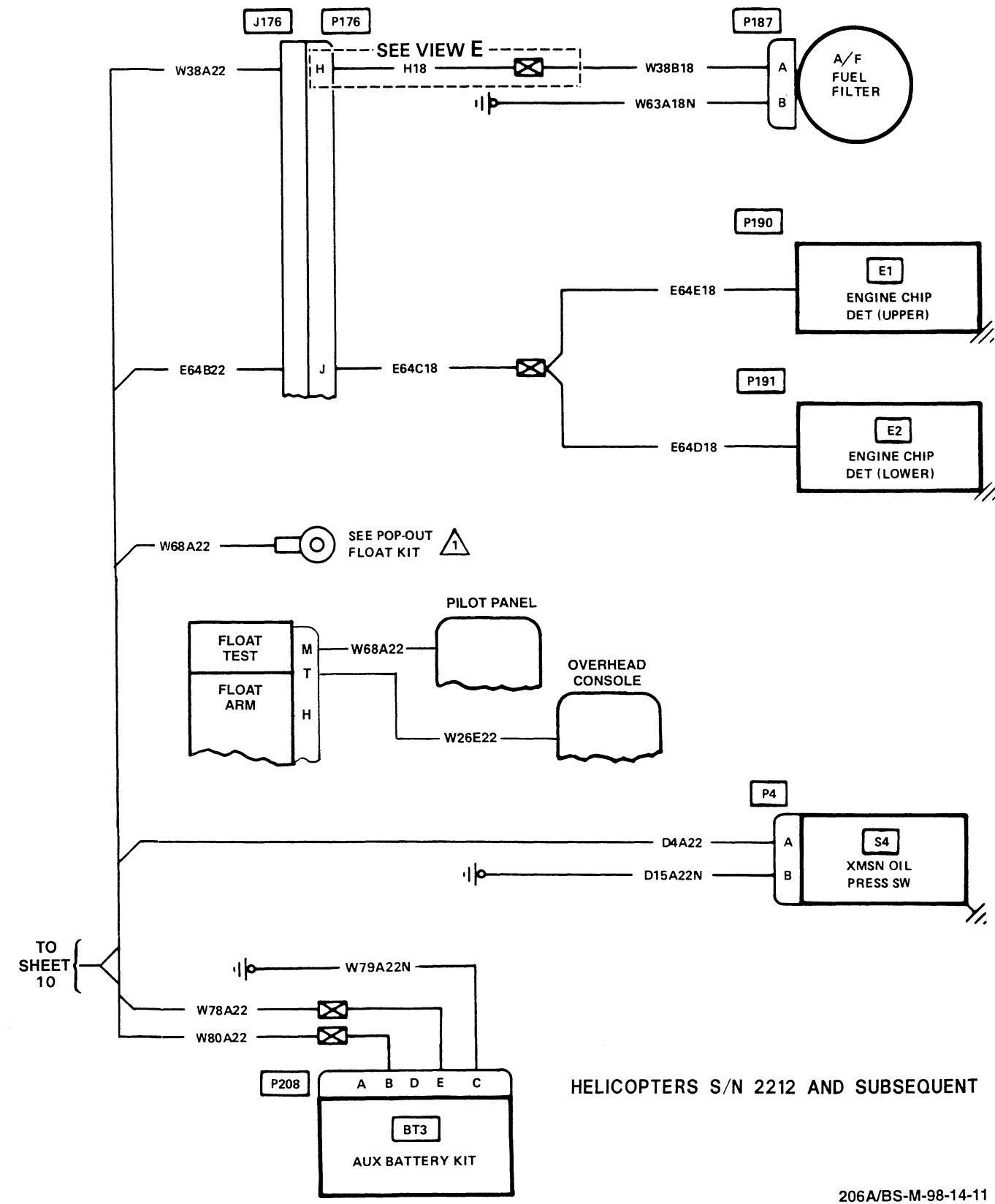
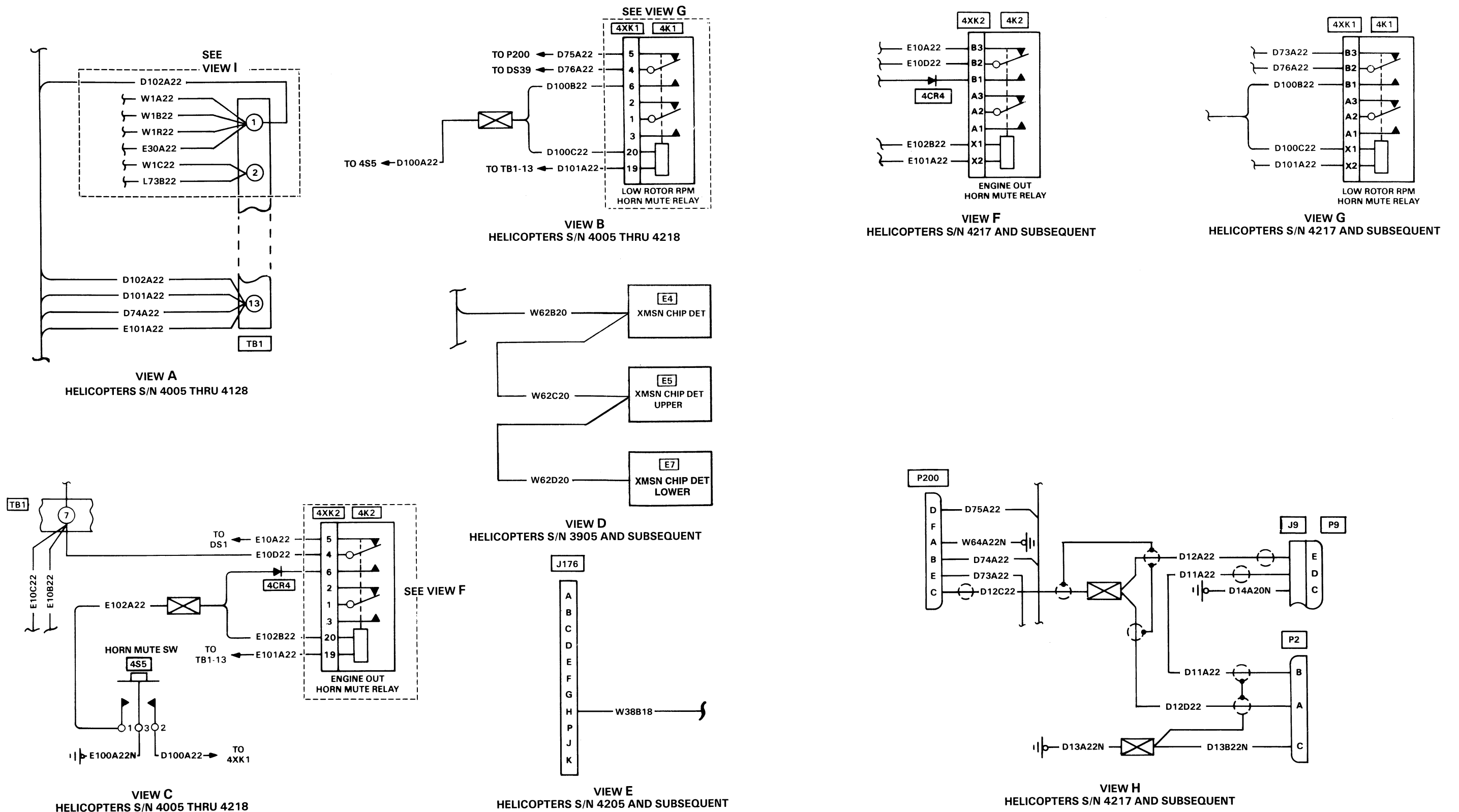
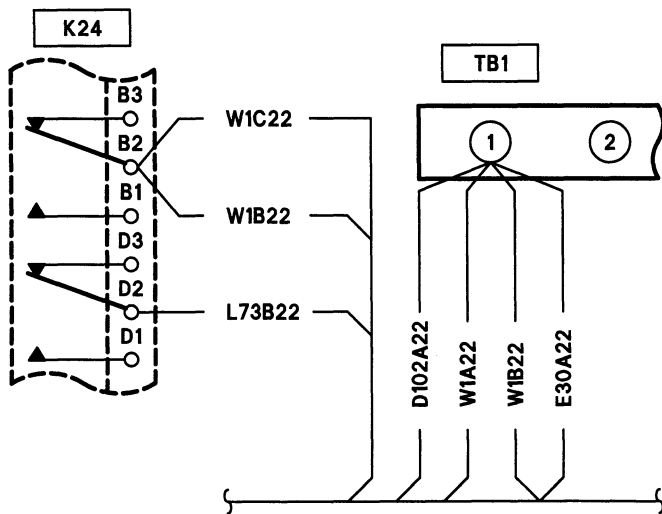


Figure 98-14. Caution and warning light circuit (Sheet 11)



206A/BS-M-98-14-12

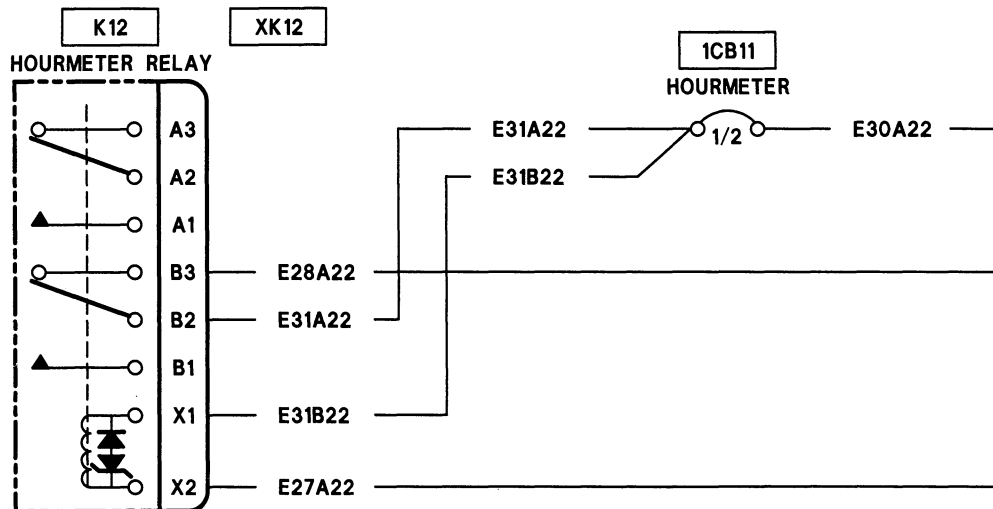
Figure 98-14. Caution and warning light circuit (Sheet 12)



VIEW I
HELICOPTERS S/N 4129 AND SUBSEQUENT

NOTES

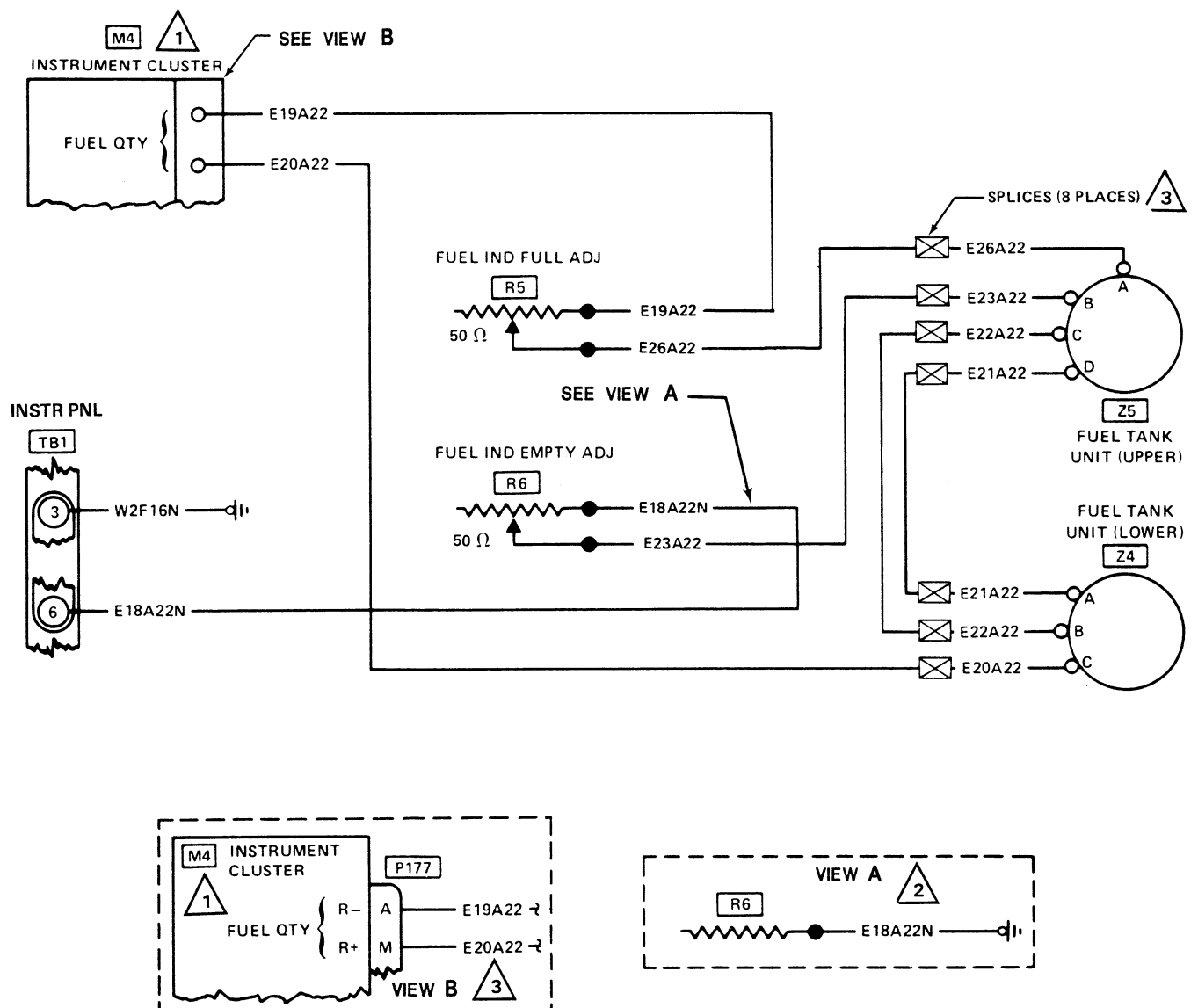
- 1 See kit provisions wiring diagram.
- 2 See turbine outlet temperature circuit.
- 3 See lighting system wiring diagram.
- 4 Helicopters S/N 3217 and subsequent.
- 5 On helicopters S/N 2212 thru 3566 complying with technical bulletin 82-75, fuel filter caution circuitry is stowed and differential pressure switch removed. Helicopters S/N 3567 and subsequent comply with intent of technical bulletin 82-75.
- 6 See fuel valve circuit (helicopters S/N 4005 thru 4128).
- 7 See DC power system circuits.



VIEW J
HELICOPTERS S/N 4395 AND SUBSEQUENT

206A/BS-M-98-14-13

Figure 98-14. Caution and warning light circuit (Sheet 13)



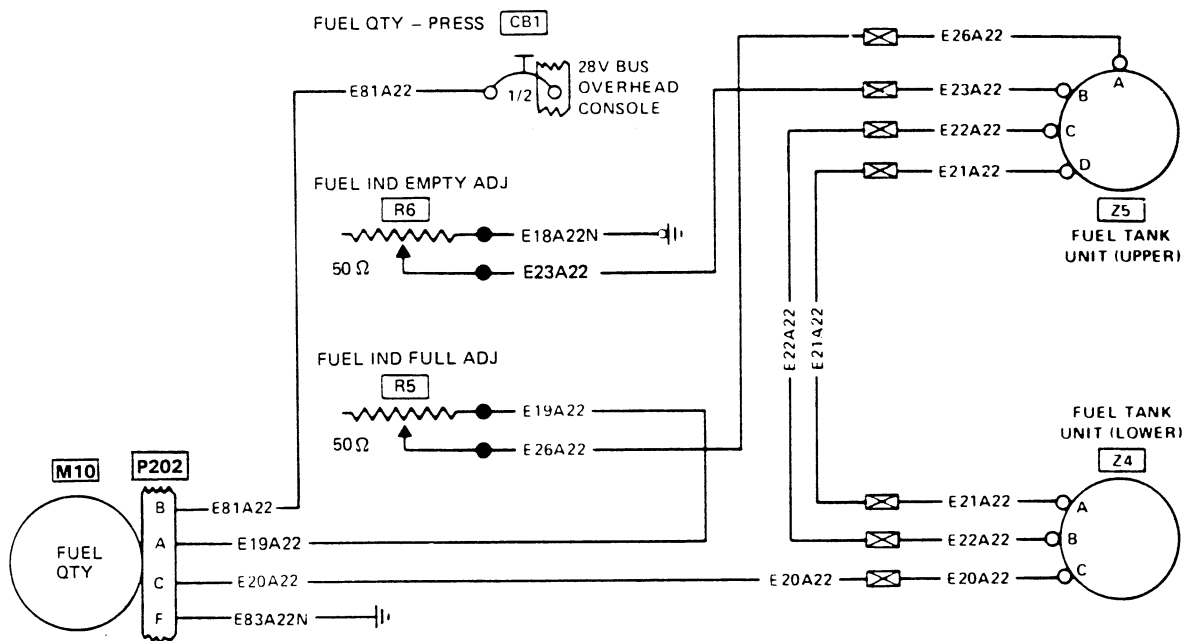
HELICOPTERS S/N 4 THRU 913

NOTES

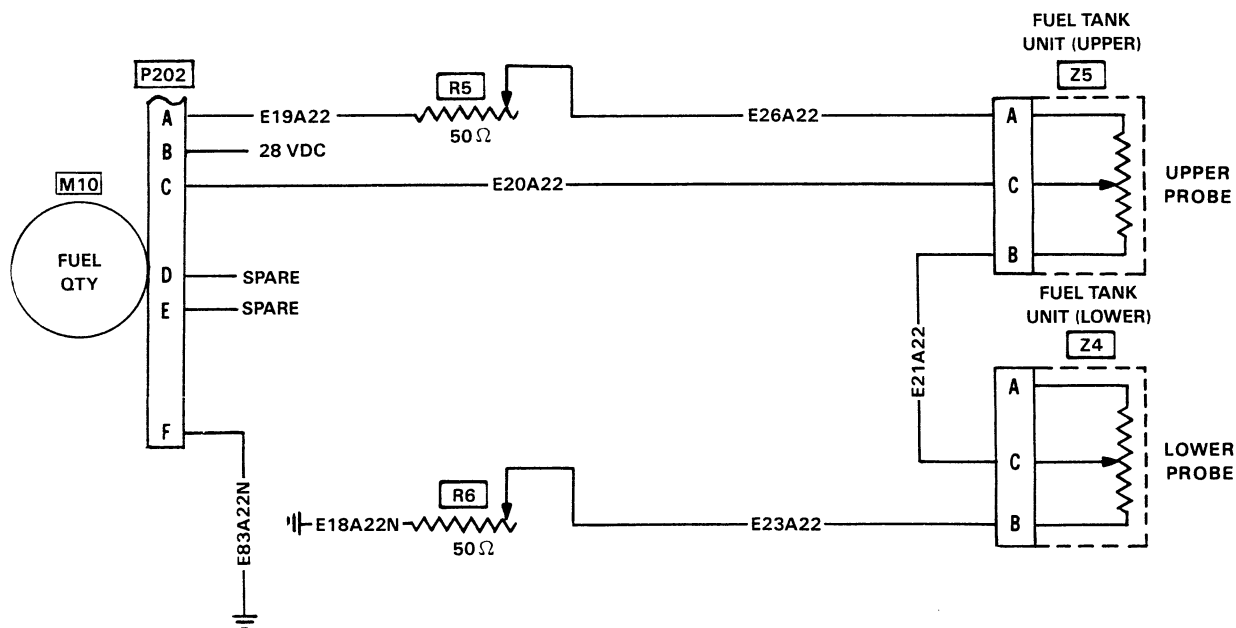
- 1 28 volt supply internally connected to M4.
- 2 Helicopters S/N 154 thru 913.
- 3 Helicopters S/N 204 thru 913.

206A/BS-M-98-15-1

Figure 98-15. Fuel quantity circuit (Sheet 1 of 2)



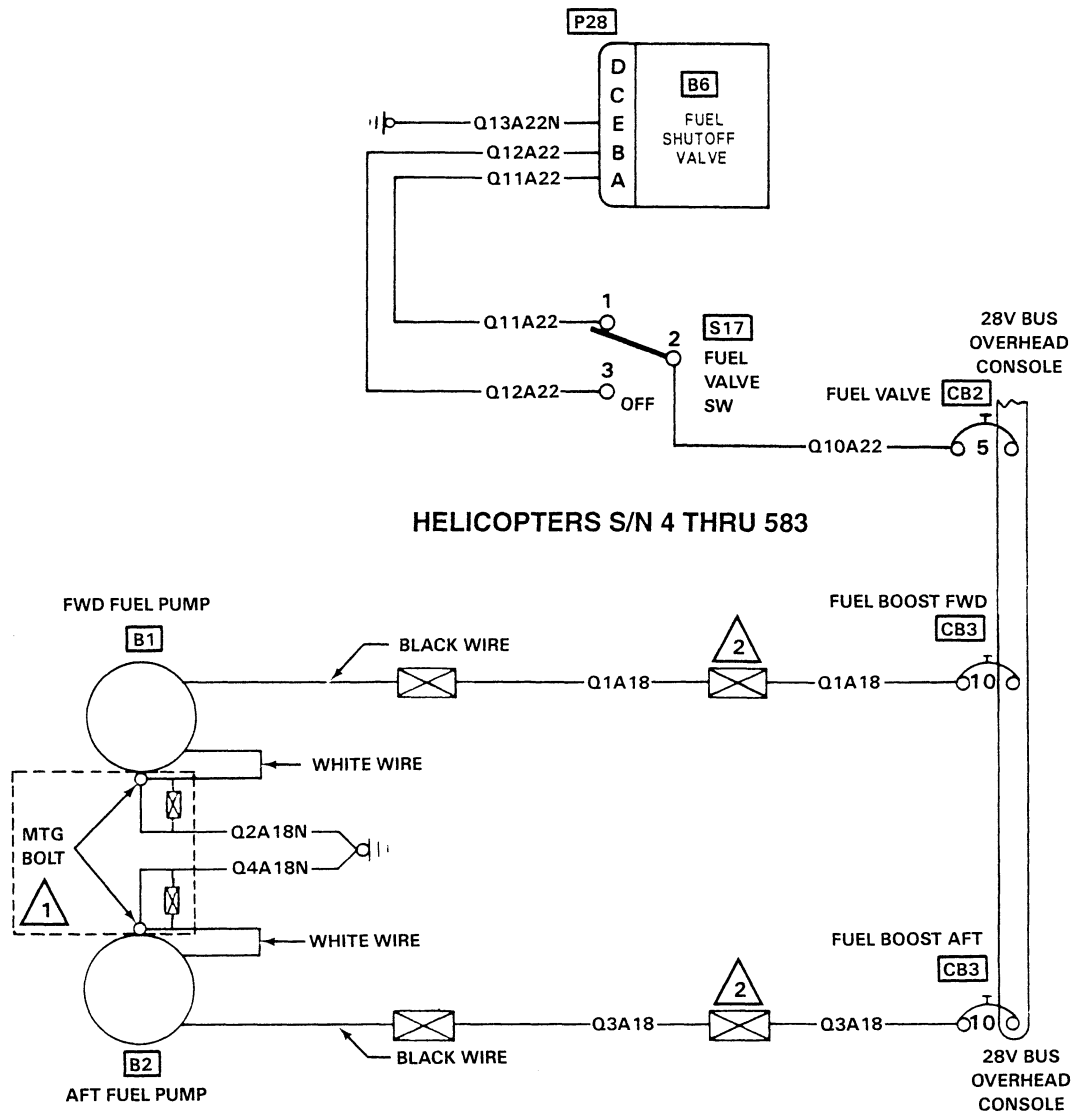
HELICOPTERS S/N 914 THRU 3566



HELICOPTERS S/N 3567 AND SUBSEQUENT

206A/BS-M-98-15-2

Figure 98-15. Fuel quantity circuit (Sheet 2)

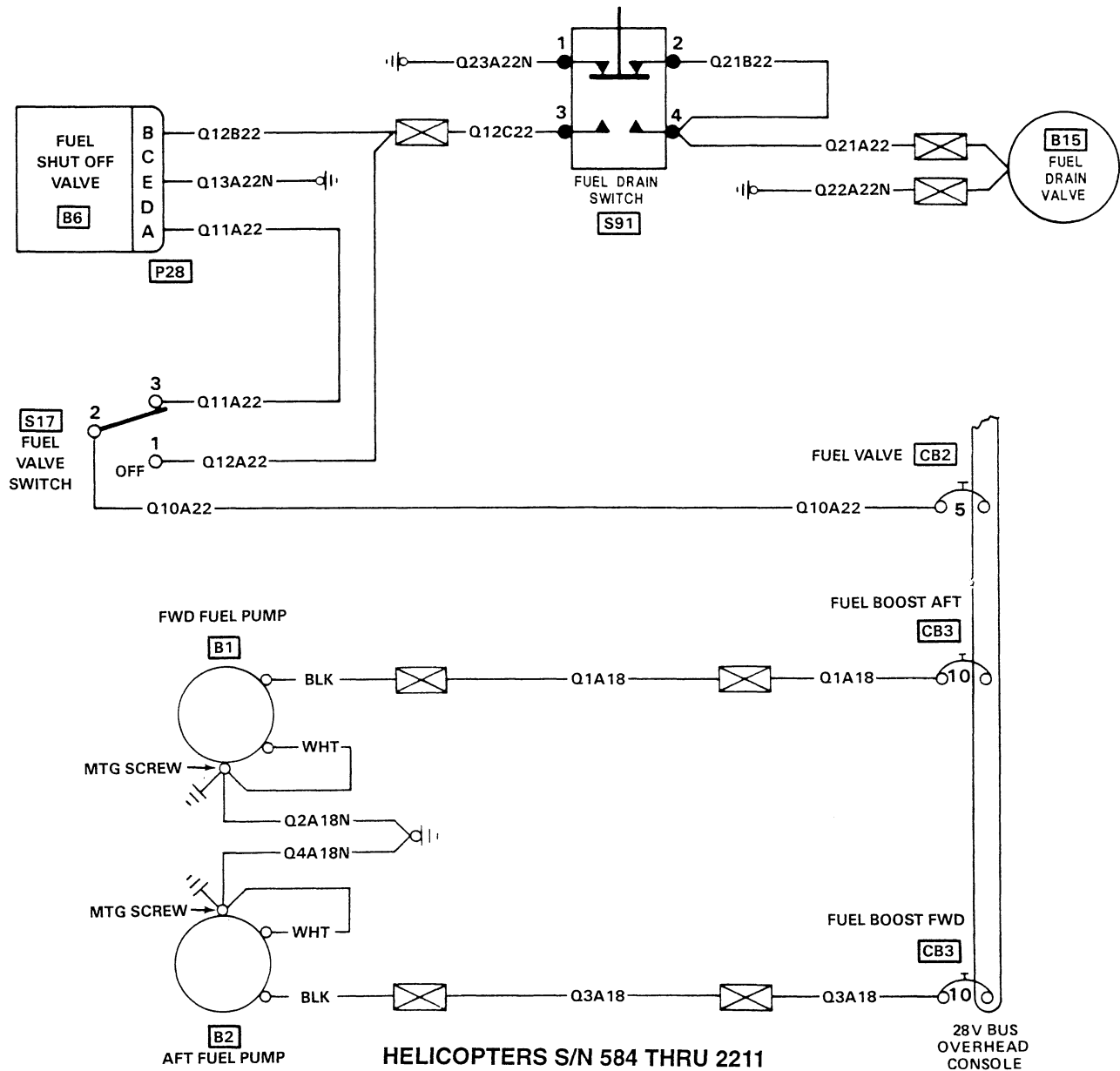


NOTE

- 1 Helicopters S/N 21, 49, 57, 58, 60, 62, and 64 thru 203.
- 2 Helicopters S/N 204 thru 583.

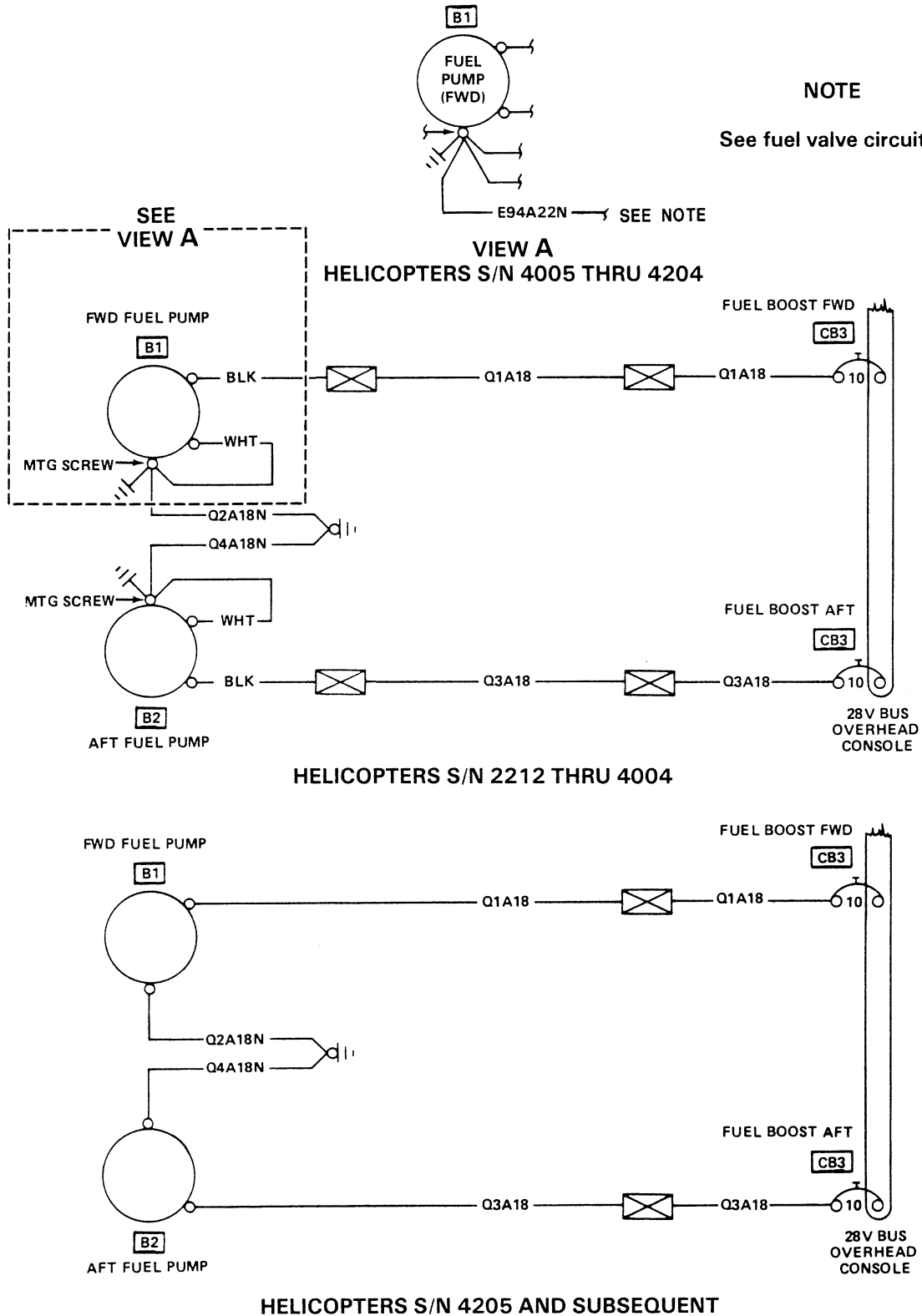
206A/BS-M-98-16-1

Figure 98-16. Fuel pump circuit (Sheet 1 of 3)



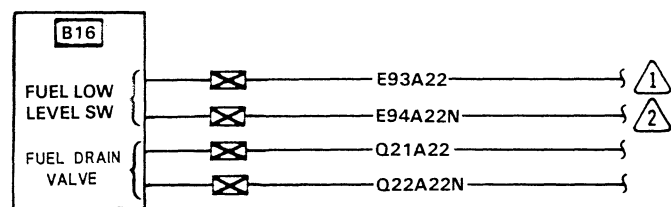
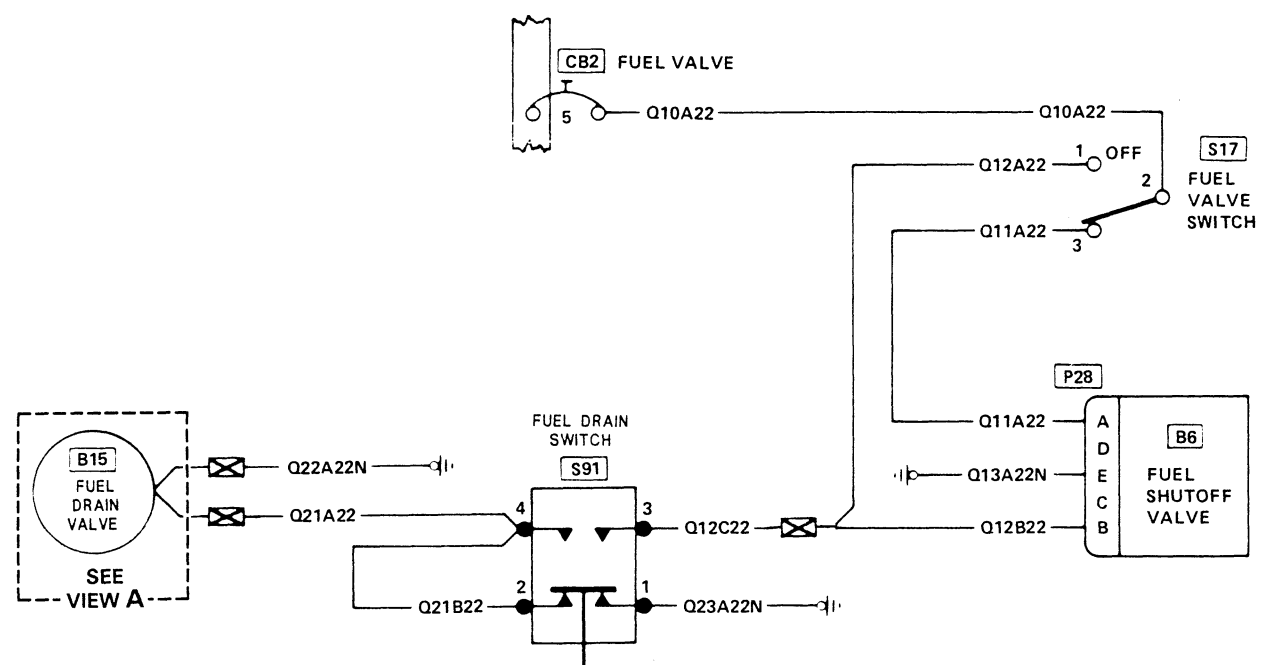
206A/BS-M-98-16-2

Figure 98-16. Fuel pump circuit (Sheet 2)

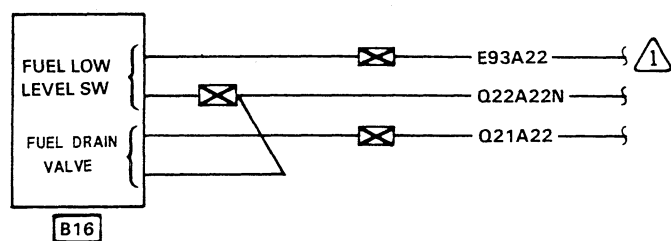


206A/BS-M-98-16-3

Figure 98-16. Fuel pump circuit (Sheet 3)



HELICOPTERS S/N 4005 THRU 4204



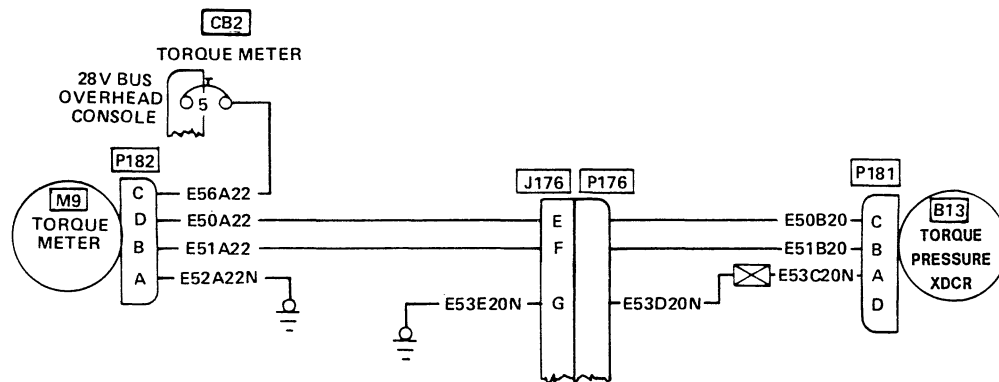
HELICOPTERS S/N 4205 AND SUBSEQUENT
VIEW A

NOTES

- 1 See caution and warning circuit (P209) pin V.
- 2 See fuel pump circuit (B1) GND.

206A/BS-M-98-17

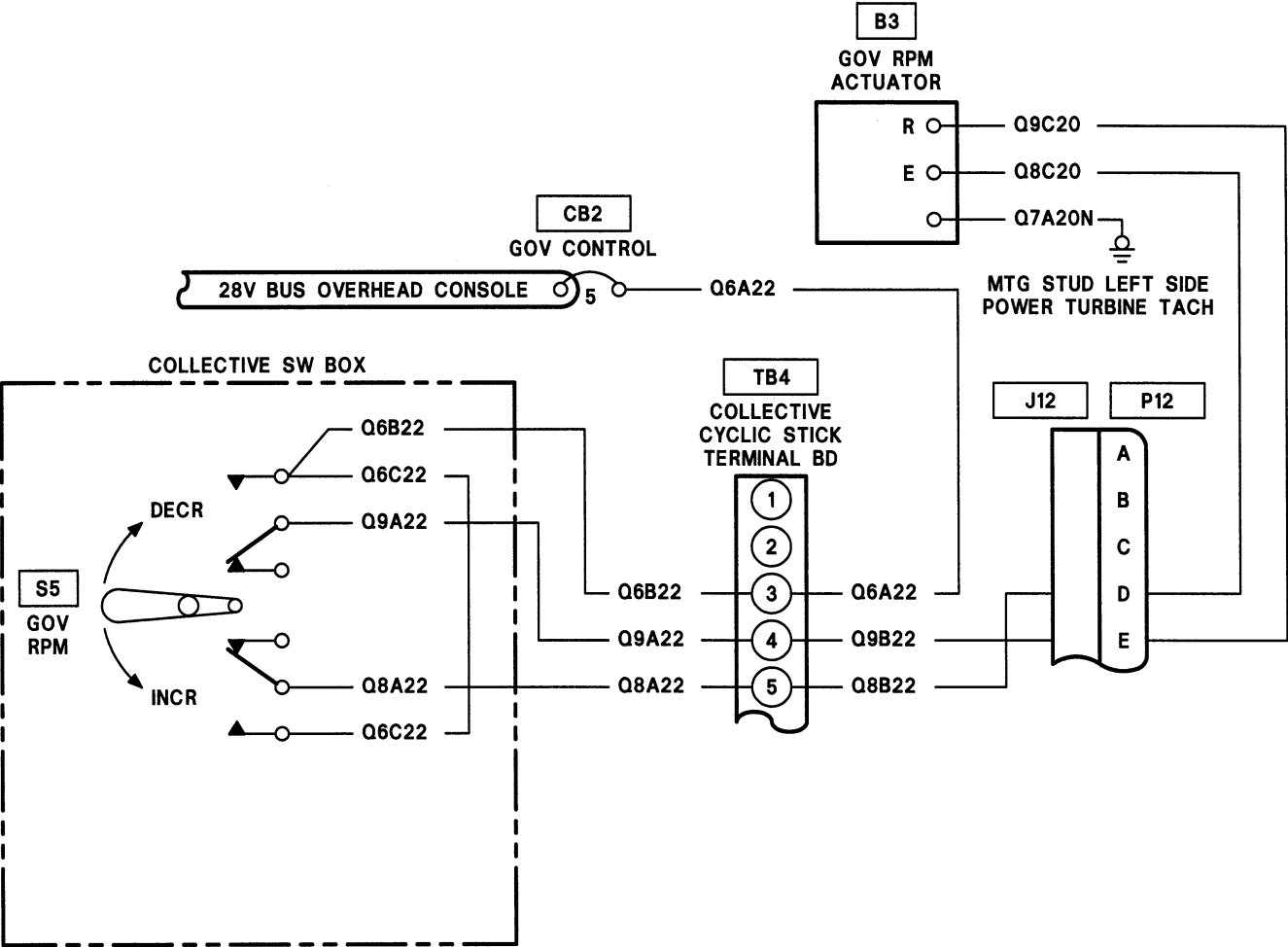
Figure 98-17. Fuel valve circuit



HELICOPTERS S/N 254 THRU 913 (BEFORE TB 206-08-73)

206A/BS-M-98-18

Figure 98-18. Torquemeter circuit



206A/BS-M-98-19

Figure 98-19. Governor control circuit

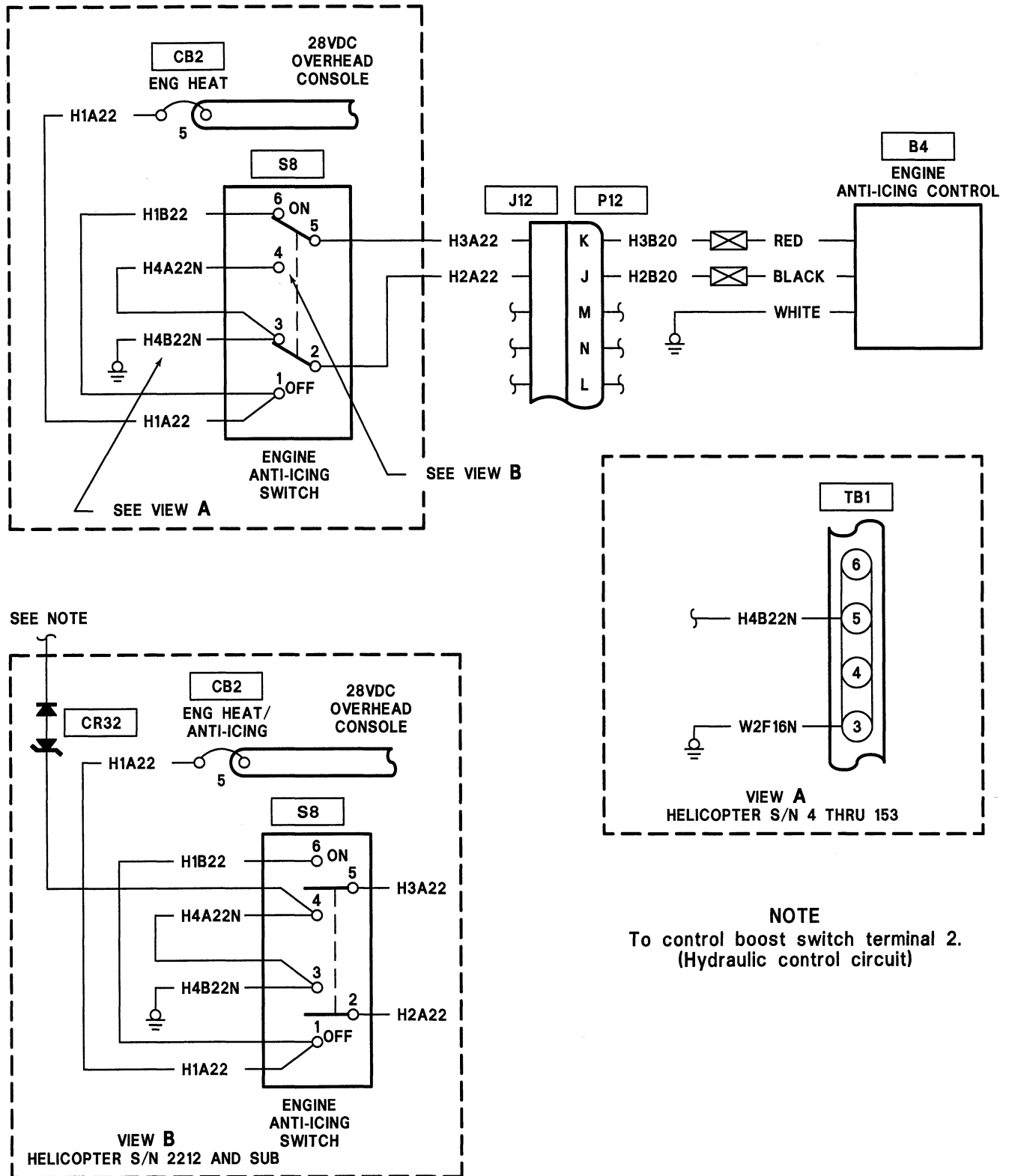
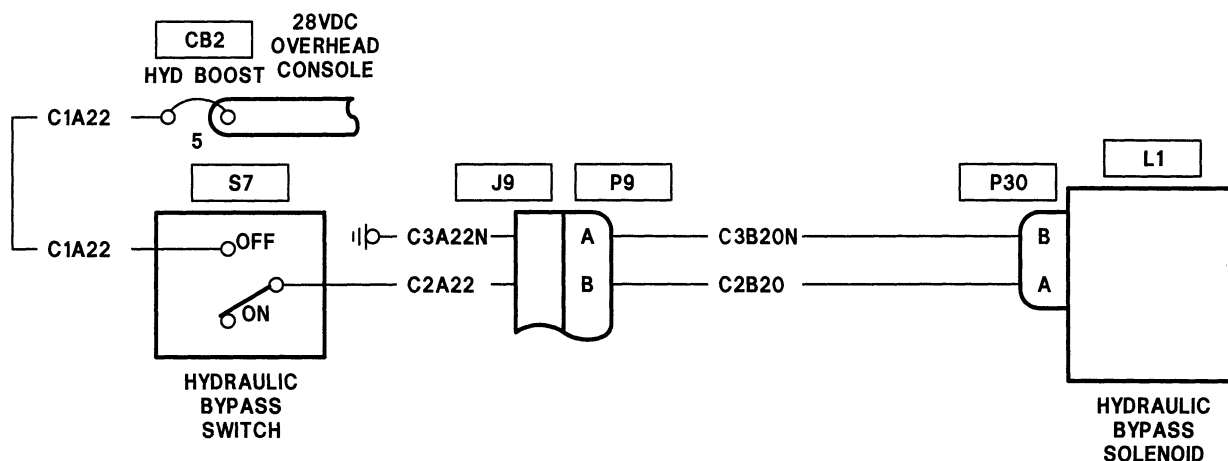
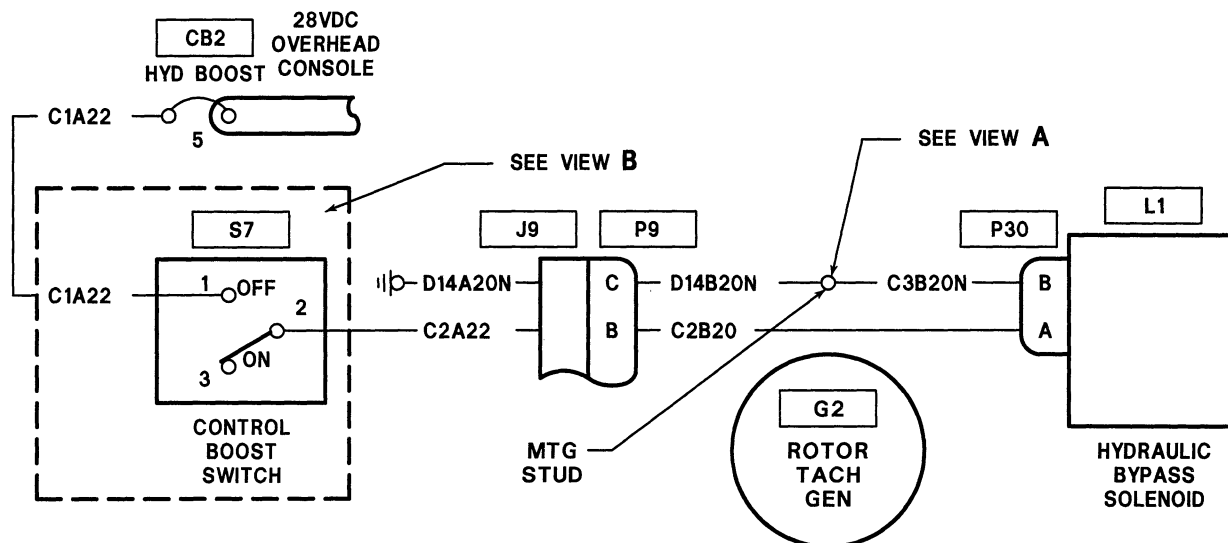


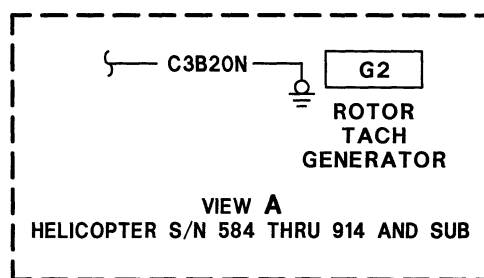
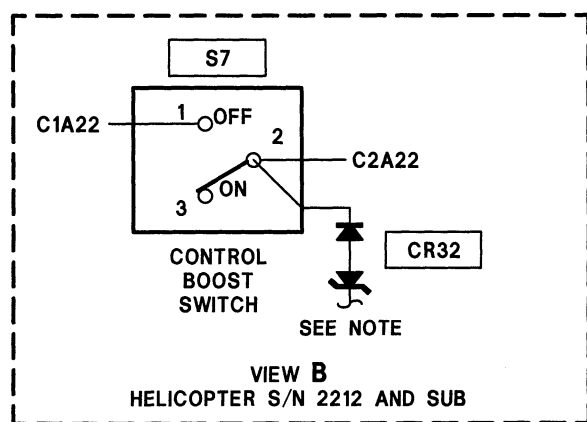
Figure 98-20. Engine anti-icing control circuit



HELICOPTER S/N 4 THRU 253



HELICOPTER S/N 254 THRU 583

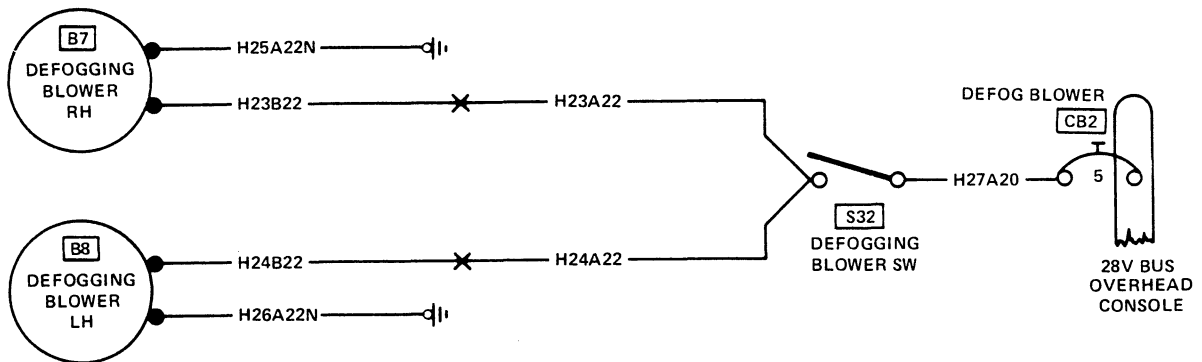


NOTE

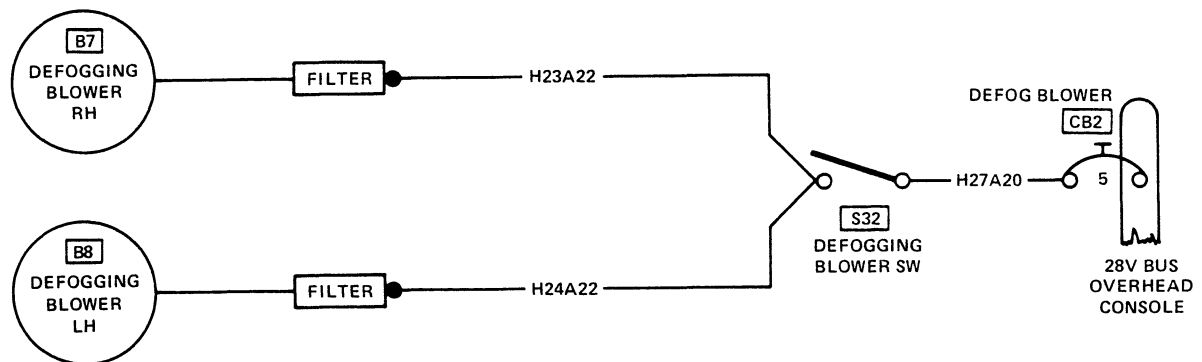
See engine anti-icing switch terminal 4.

206A/BS-M-98-21

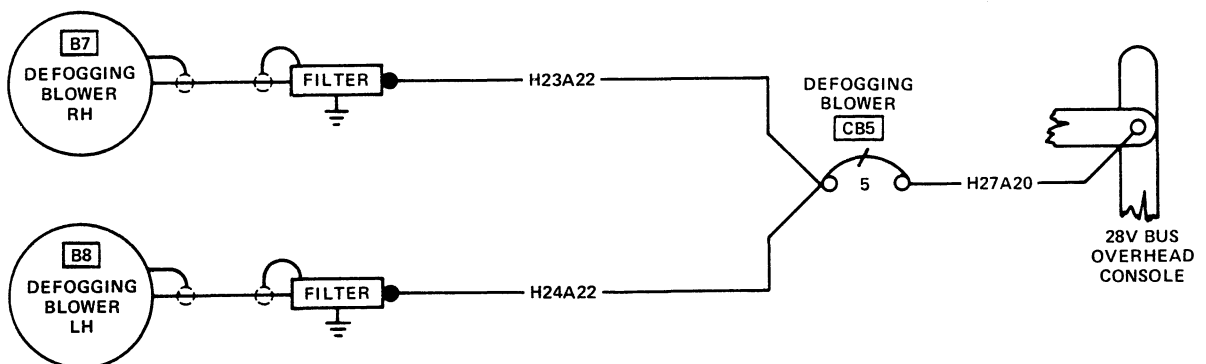
Figure 98-21. Hydraulic control circuit



HELICOPTERS S/N 4 THRU 153



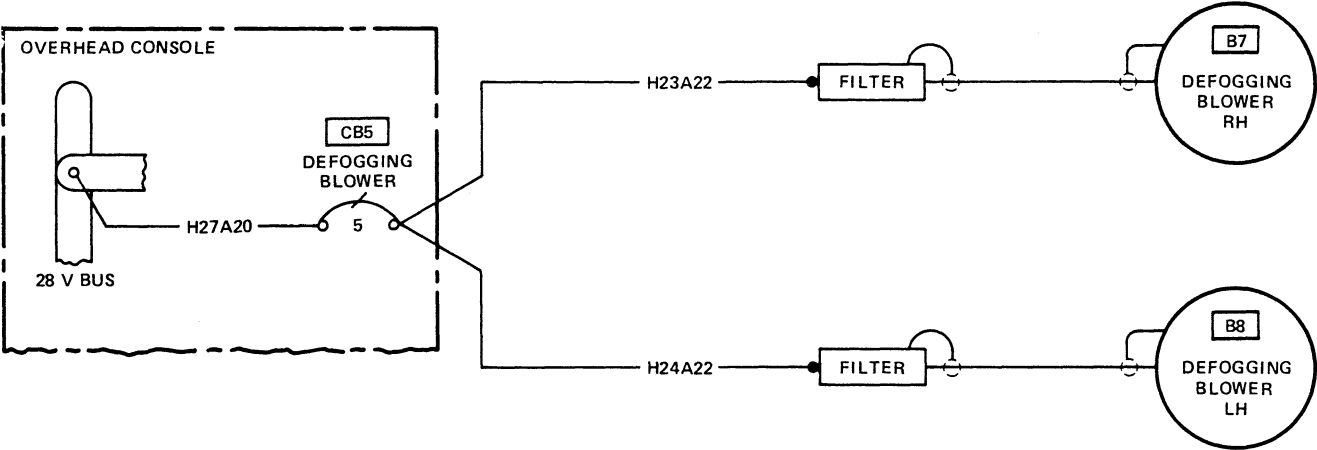
HELICOPTERS S/N 154 THRU 253



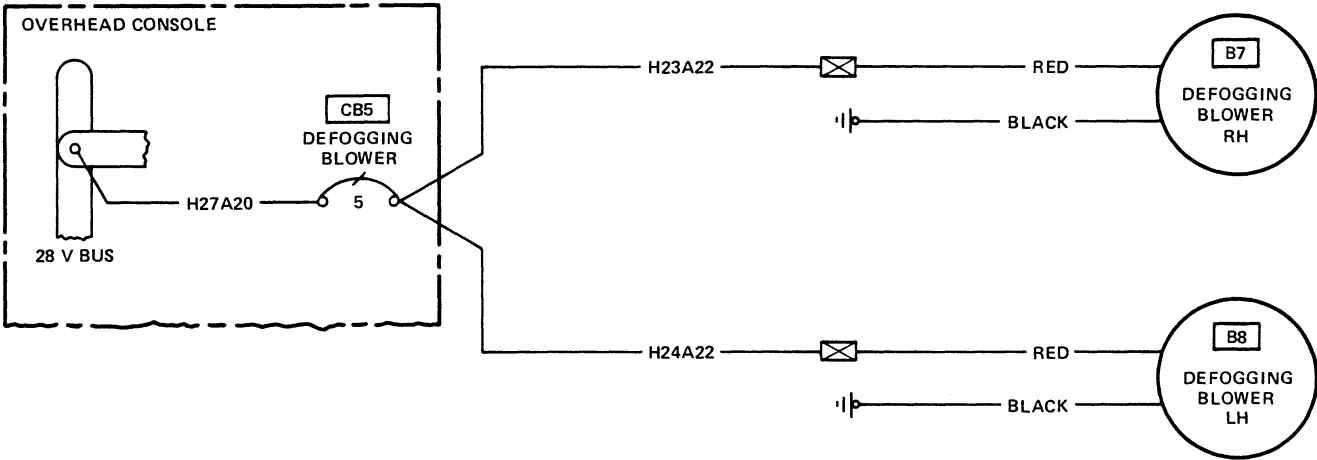
HELICOPTERS S/N 254 THRU 2211

206A/BS-M-98-22-1

Figure 98-22. Defogging blower circuit (Sheet 1 of 2)



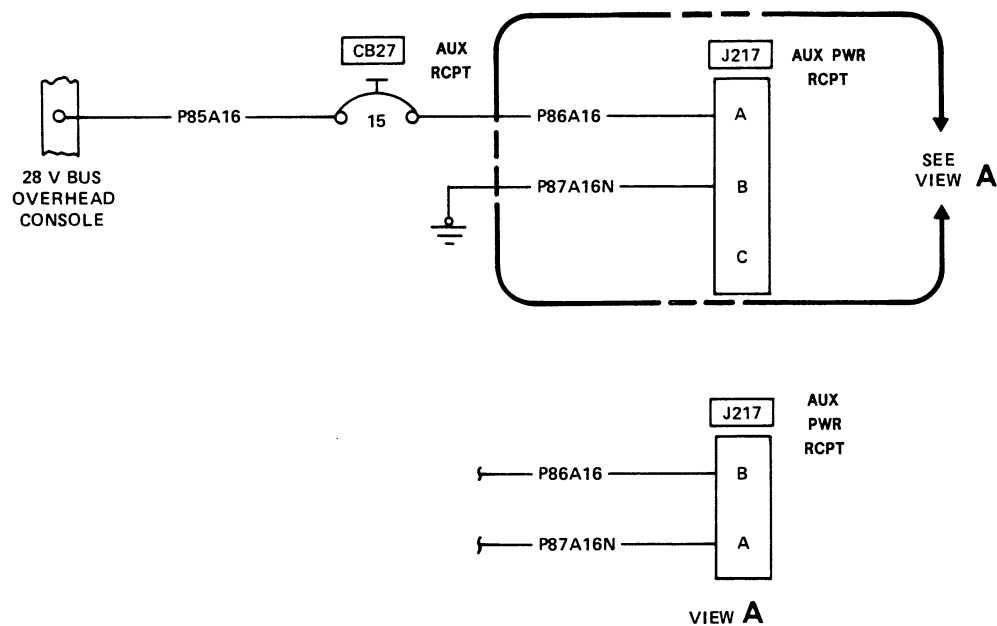
HELICOPTERS S/N 2212 THRU 2488



HELICOPTERS S/N 2489 AND SUBSEQUENT

206A/BS-M-98-22-2

Figure 98-22. Defogging blower circuit (Sheet 2)



HELICOPTERS S/N 2212 AND SUBSEQUENT

206A/BS-M-98-23

Figure 98-23. Auxiliary power circuit

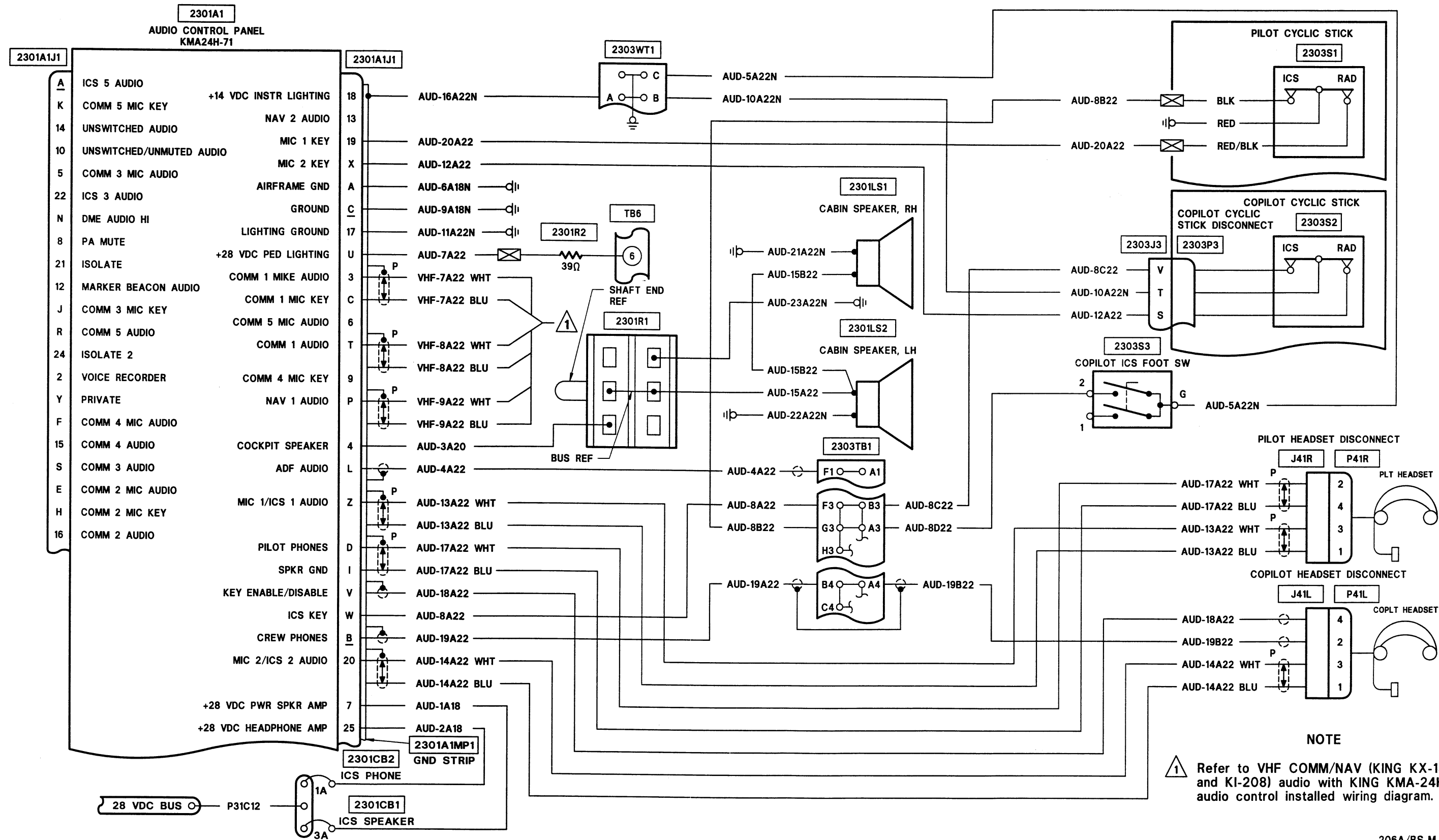


Figure 98-24. KMA-24H-71 ICS audio control panel

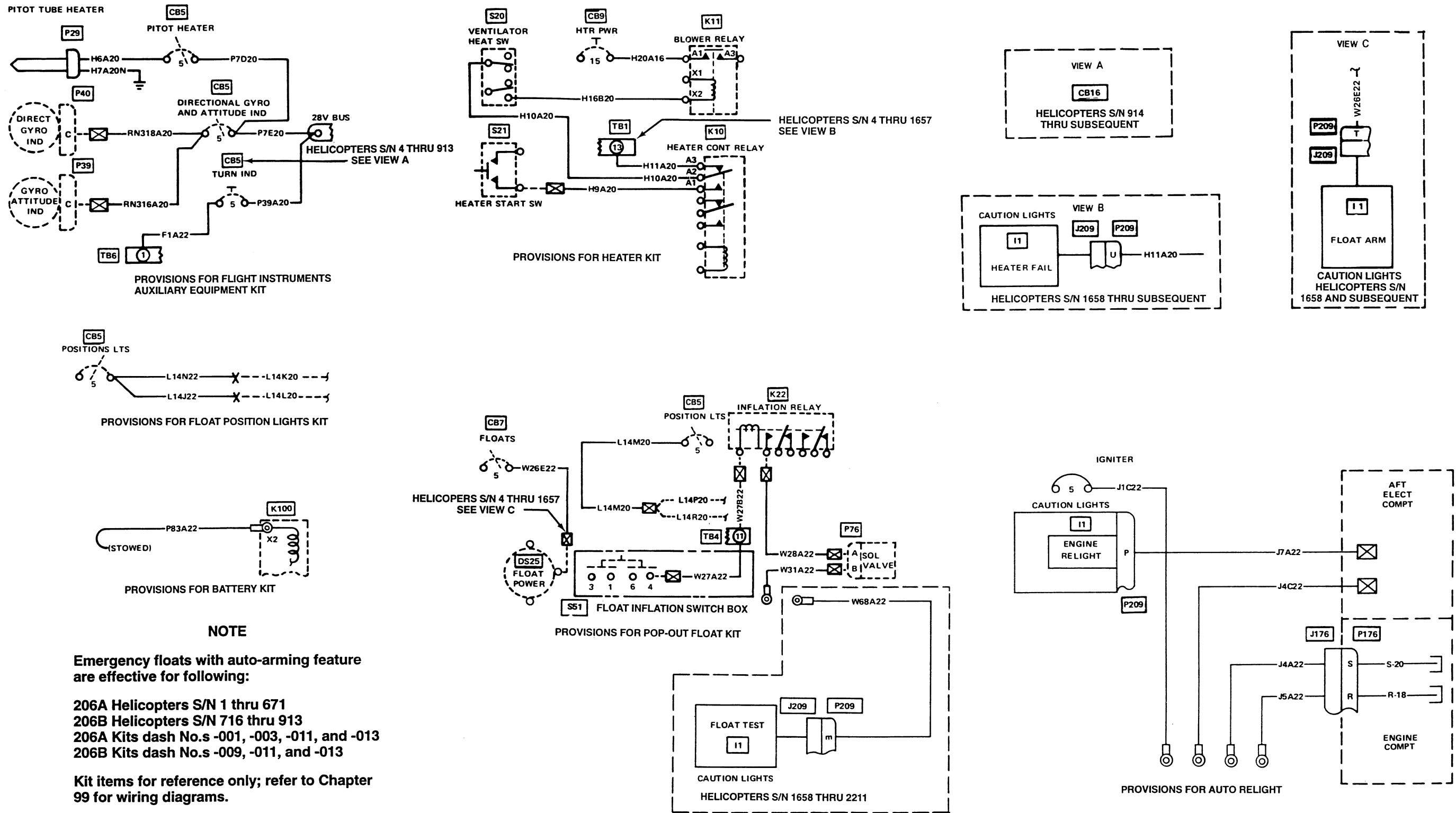


Figure 98-25. Kit provisions

