

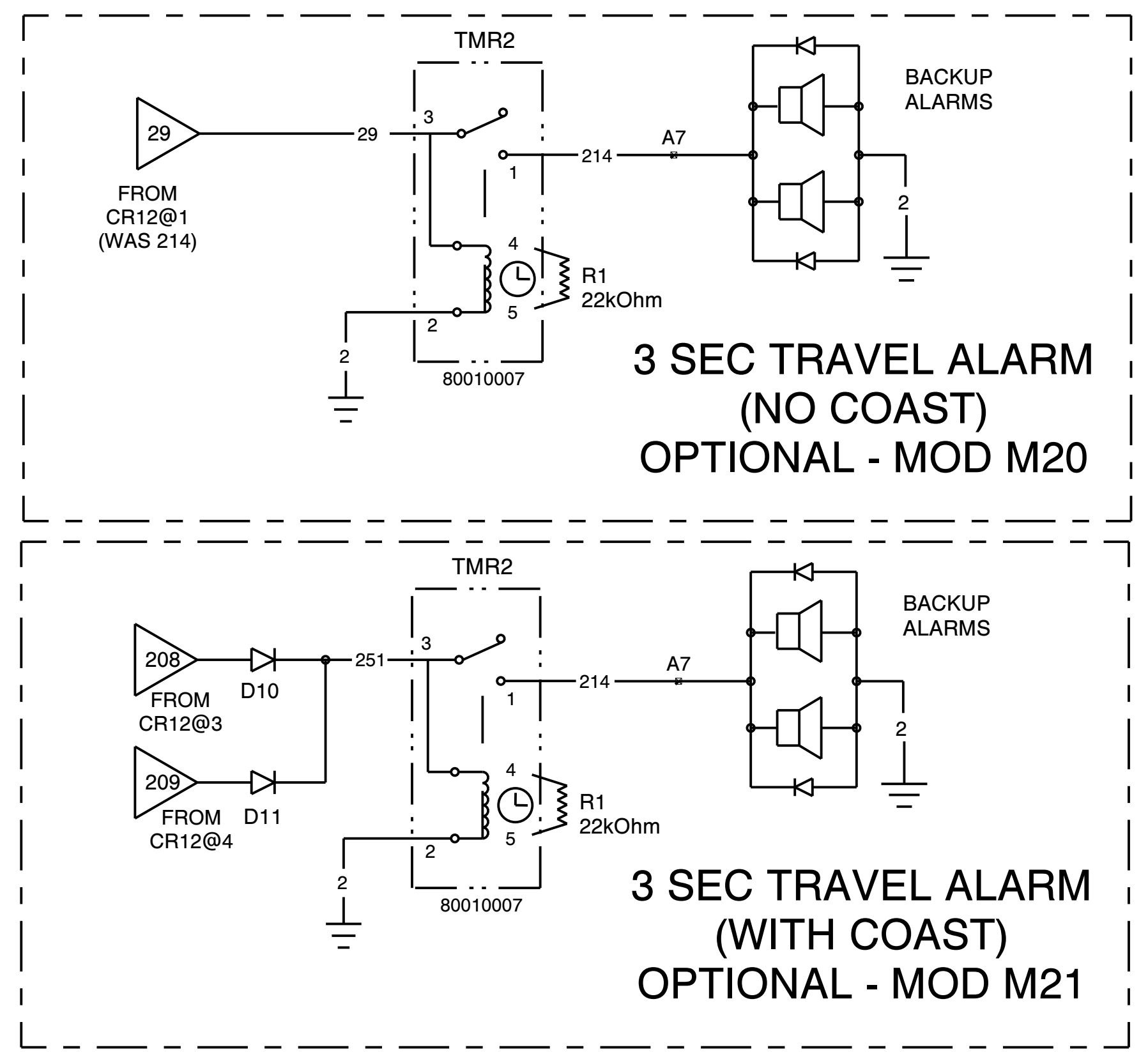
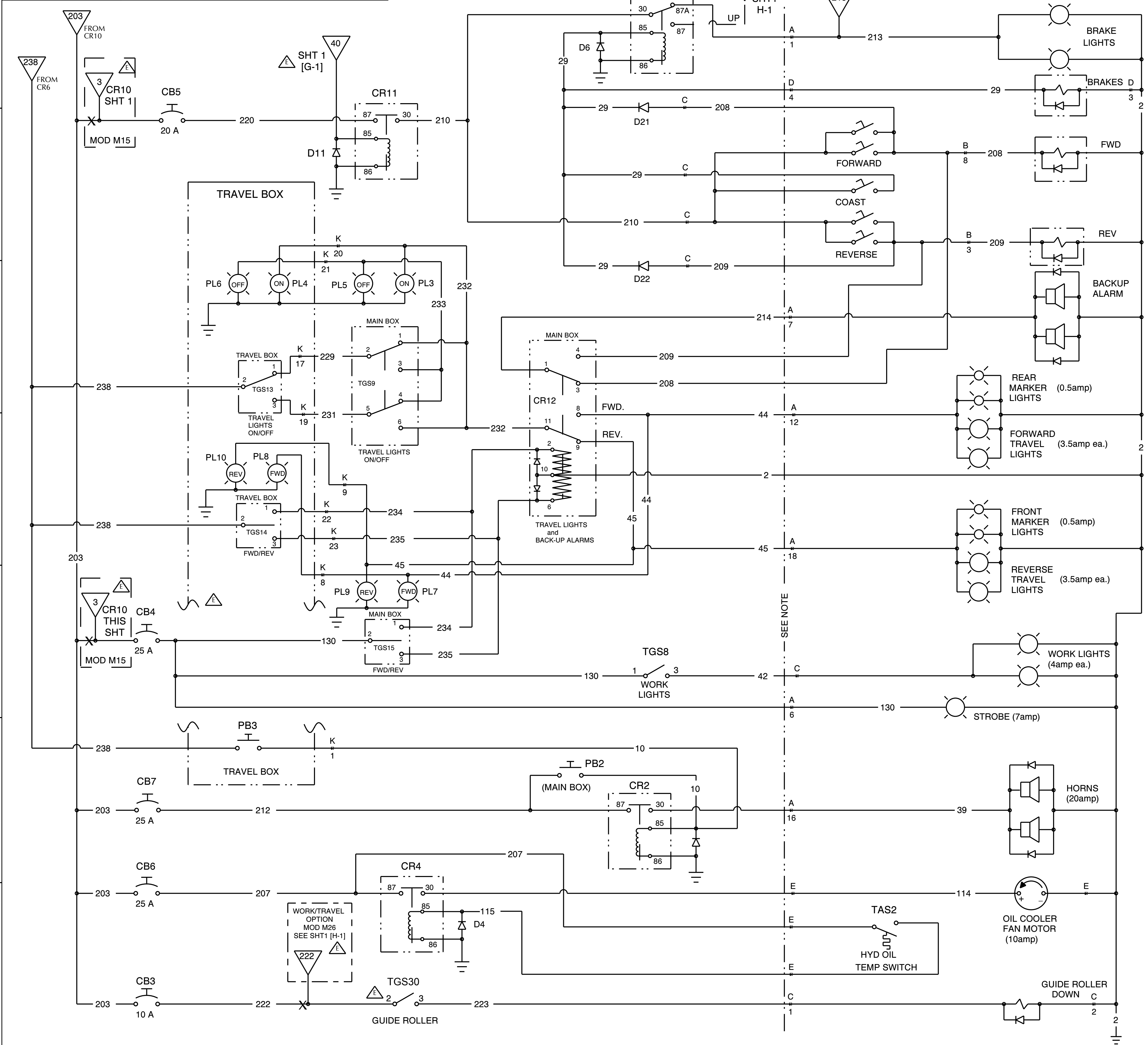
S/N 680314 and Above

CUSTOMARY: ALL DIMENSIONS IN INCHES		NORDCO THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: AA-F	
FRACTION ± 1/8 X ± 06 XX ± 03 XXX ± 010		DESCRIPTION: ELEC SCHEMATIC 12V	
SIZE	SCALE	DRAWING CODE NUMBER	REV
D	NTS	97681000	E
CHANGE		DATE	ASSEMBLY:
DRAWN BY: JWW		E.C.O.#: 601674	SHEET 1 OF 6

SEE LAST SHEET FOR REV HISTORY BEGINNING AT REV D. SEE PREVIOUS REVISION FOR EARLIER HISTORY.

* INDICATES MOMENTARY CONTACT

THIS VERTICAL LEG REMOVED WHEN TGS31 INSTALLED

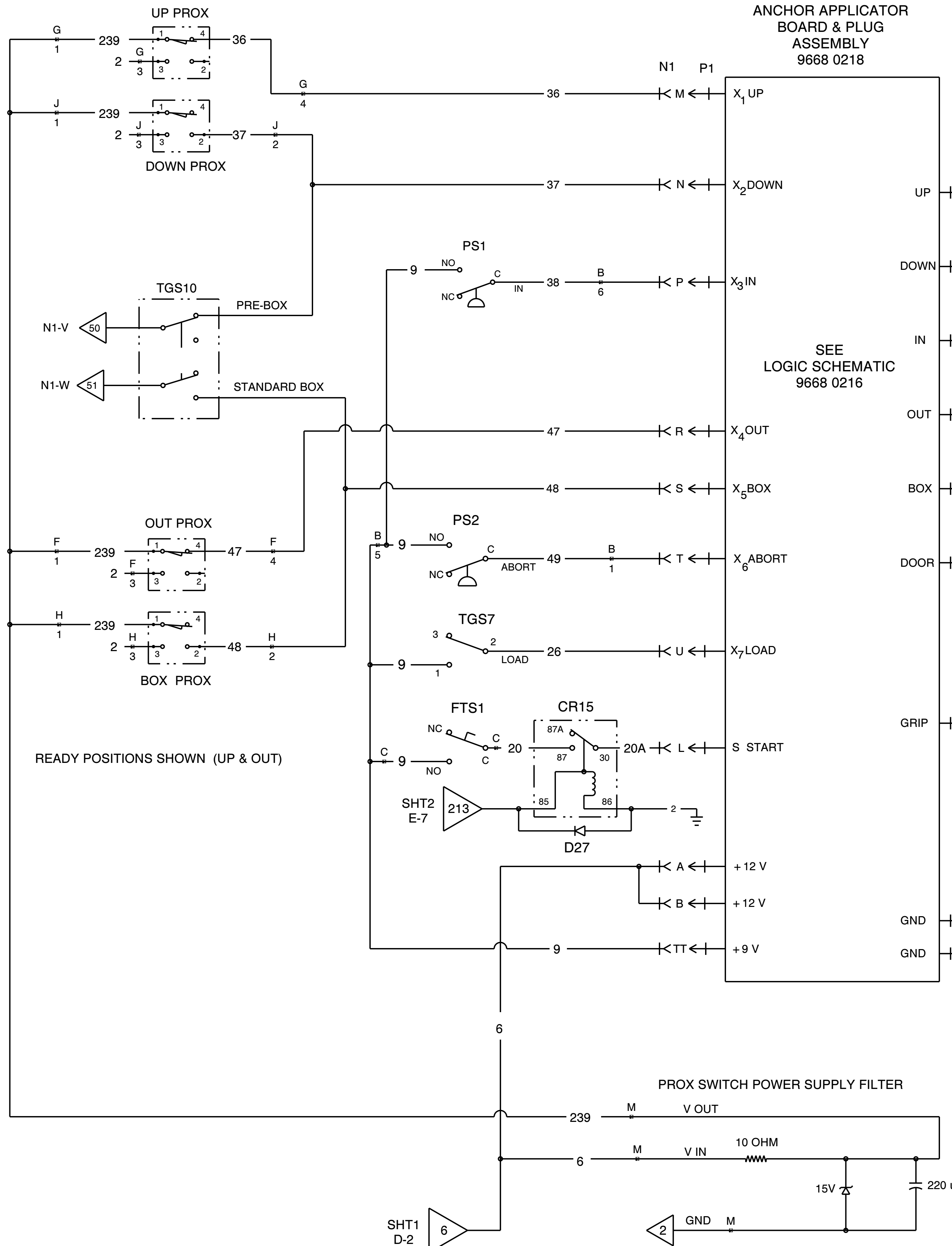


NOTE:
ALL COMPONENTS AND WIRING SHOWN TO THE RIGHT OF THE DASHED LINE ARE CONNECTIONS EXTERNAL TO THE OPERATORS BOX.

S/N 680314 and Above

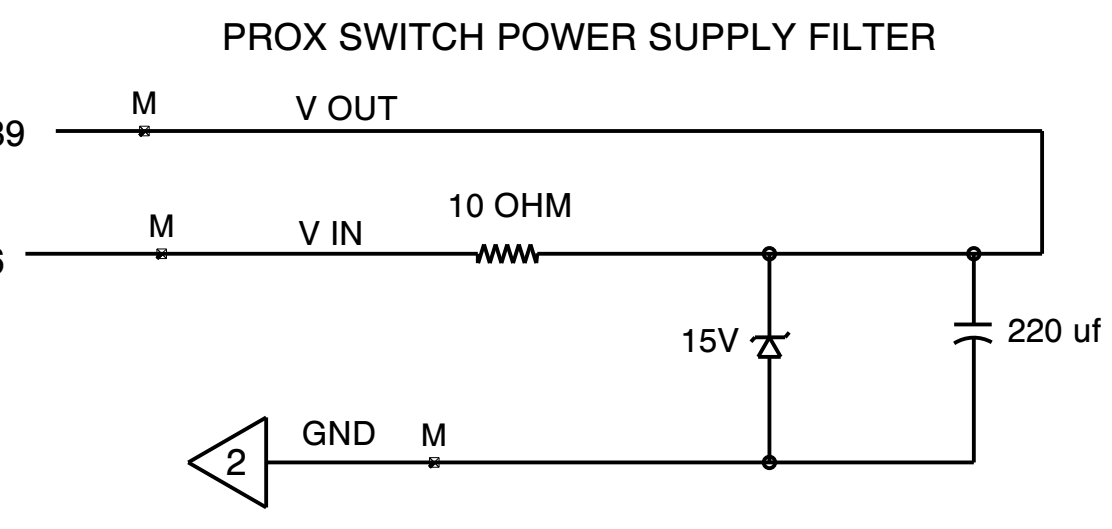
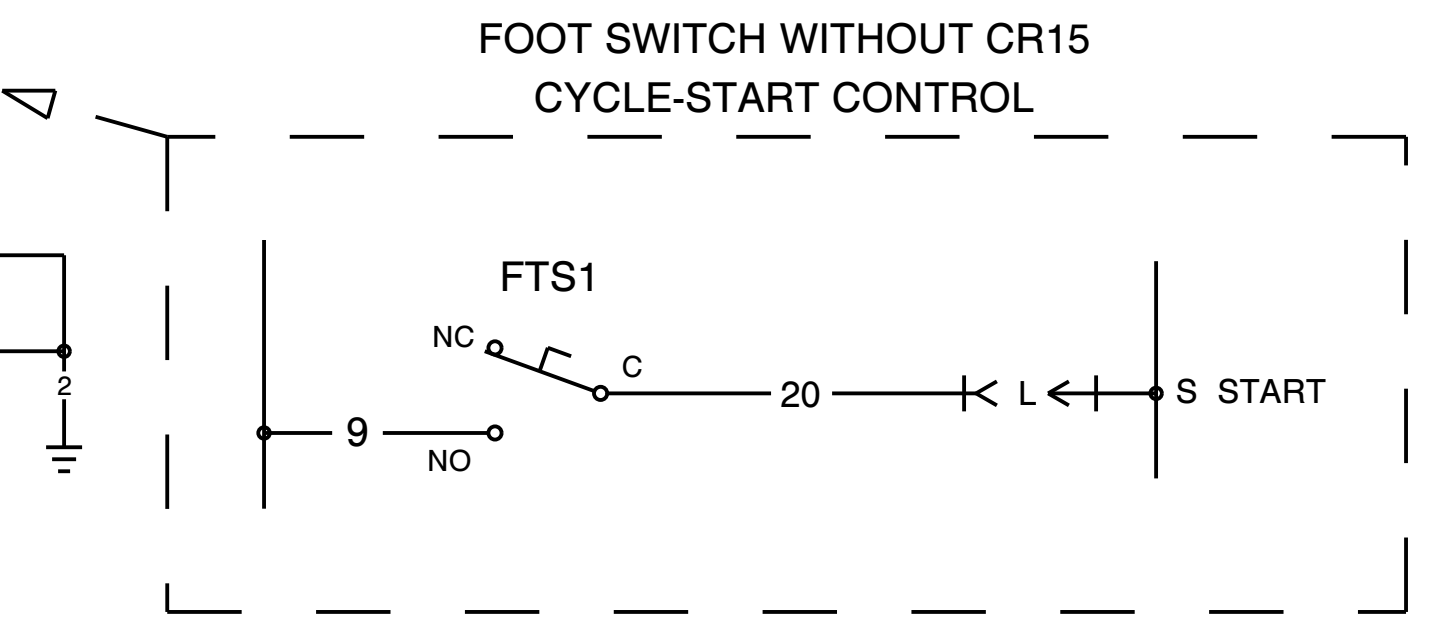
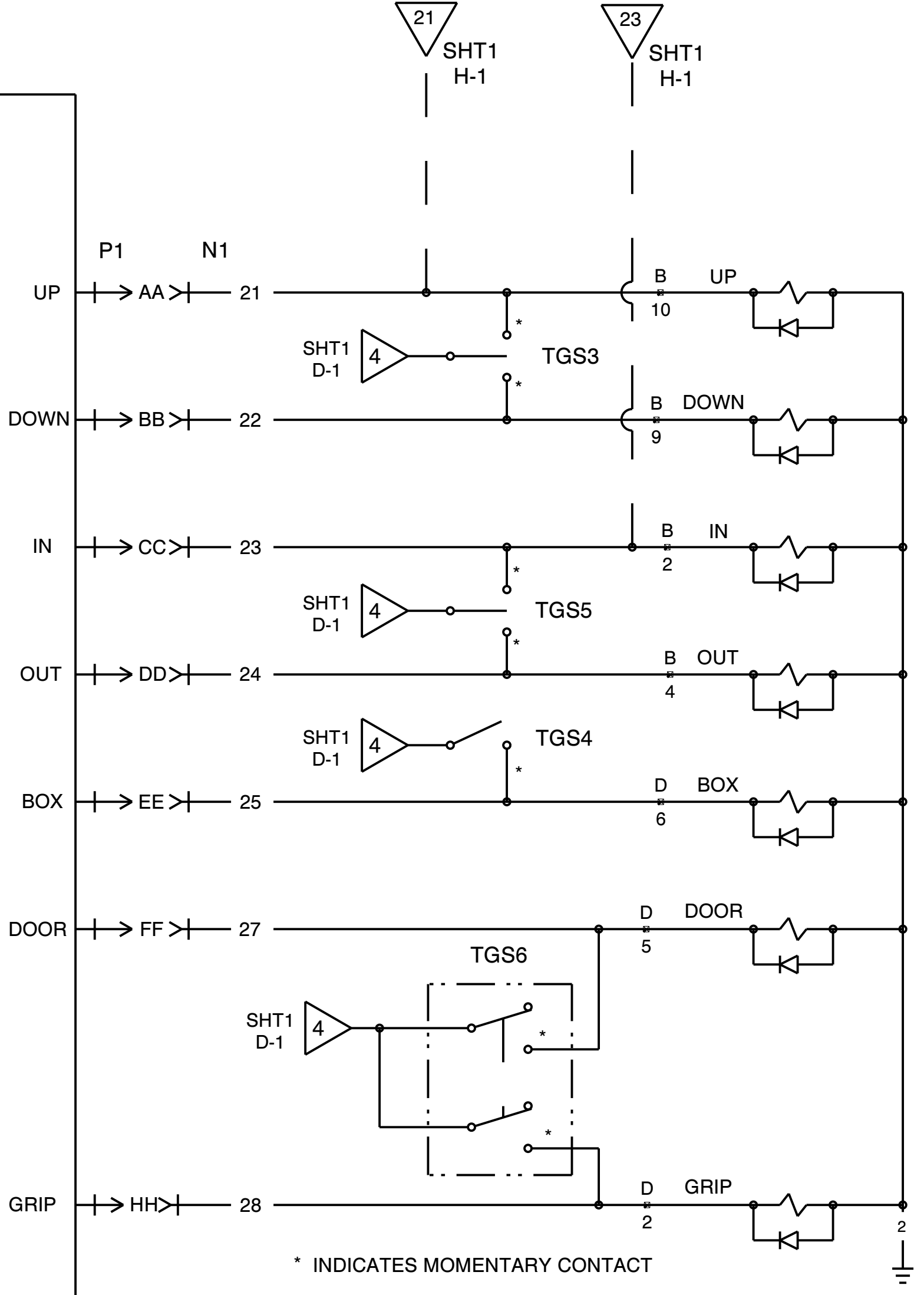
SEE LAST SHEET FOR REV HISTORY BEGINNING AT REV D. SEE PREVIOUS REVISION FOR EARLIER HISTORY.		JWW 22-APR-16	601674	MACHINE FINISH UNLESS OTHERWISE STATED	D NTS		97681000	E
CHANGE		DRAWN BY:	E.C.O.#	PLANE ANGLES W/ F°	ASSEMBLY:-		SHEET 2	OF 6

CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: AA-F			
FRACTION ± 1/8 X ± .06 XX ± .03 XXX ± .010		DESCRIPTION: ELEC SCHEMATIC 12V			
SIZE	SCALE	DRAWING CODE NUMBER		REV.	
		97681000			



**ANCHOR APPLICATOR
BOARD & PLUG
ASSEMBLY
9668 0218**

SEE
LOGIC SCHEMATIC
9668 0216

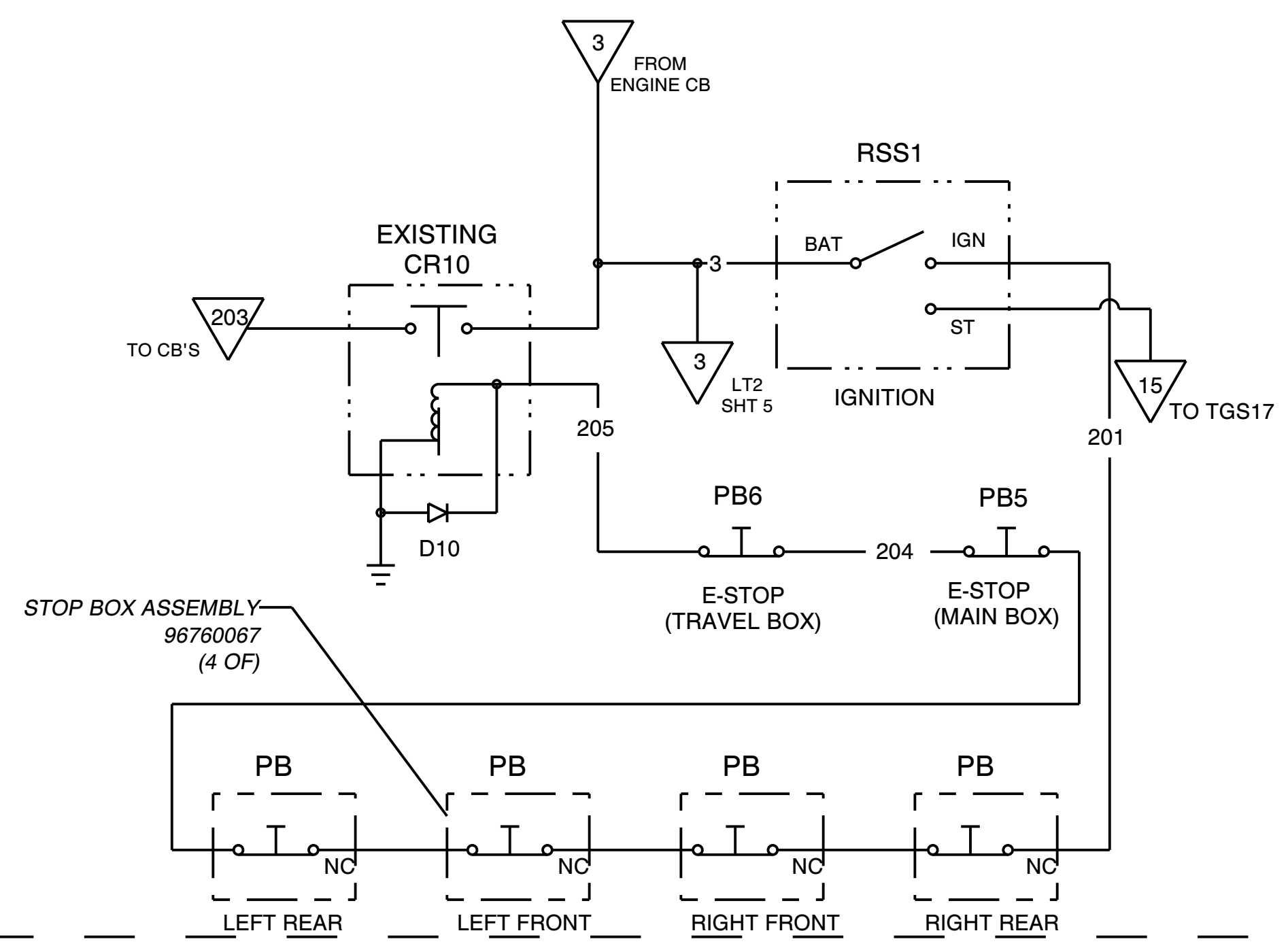


S/N 680314 and Above

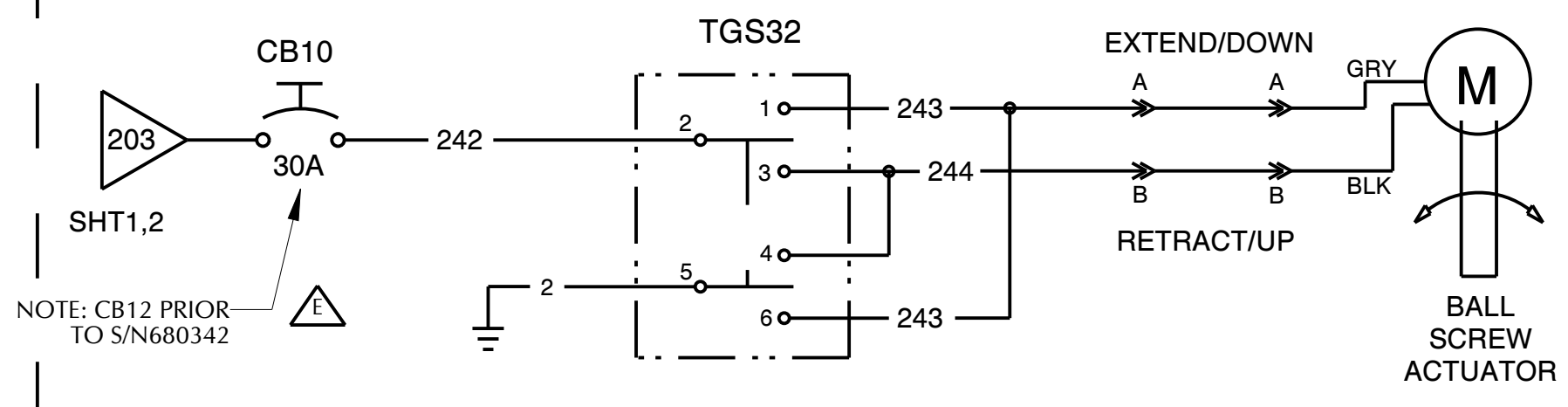
CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: AA-F			
DESCRIPTION: ELEC SCHEMATIC 12V					
FRACTION	± 1/8	SIZE	SCALE	DRAWING CODE NUMBER	REV.
X	± .06	D	NTS	97681000	E
XX	± .03				
XXX	± .010				
DATE: 22-APR-16		E.C.O.# 601674		ASSEMBLY:-	
DRAWN BY: JWW		PLANE ANGLES W/ 1°		SHEET 3 OF 6	

SEE LAST SHEET FOR REV HISTORY BEGINNING AT REV D. SEE PREVIOUS REVISION FOR EARLIER HISTORY.

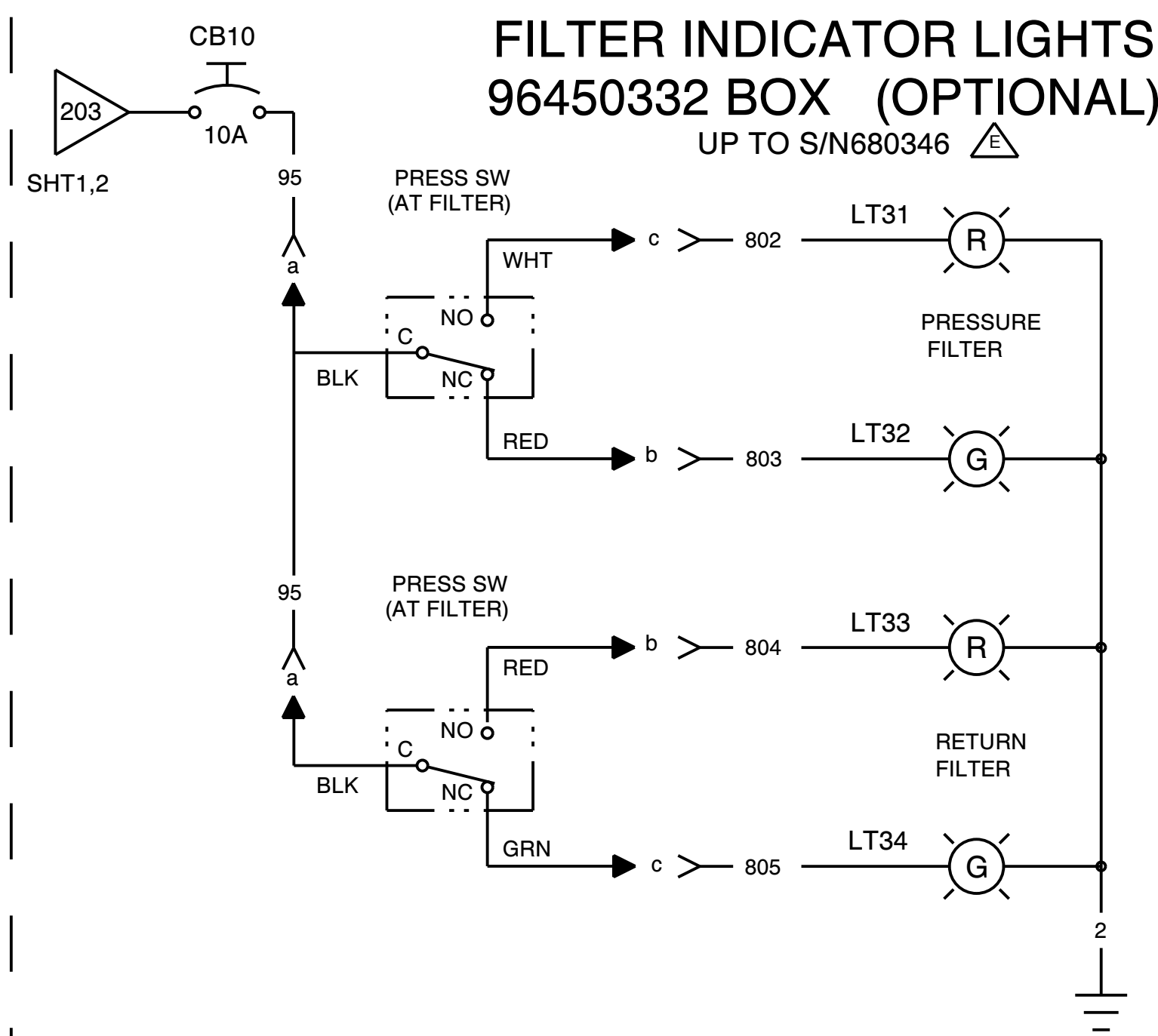
REMOTE EMERGENCY STOP BUTTONS
96680470 (OPTIONAL - MOD M27)



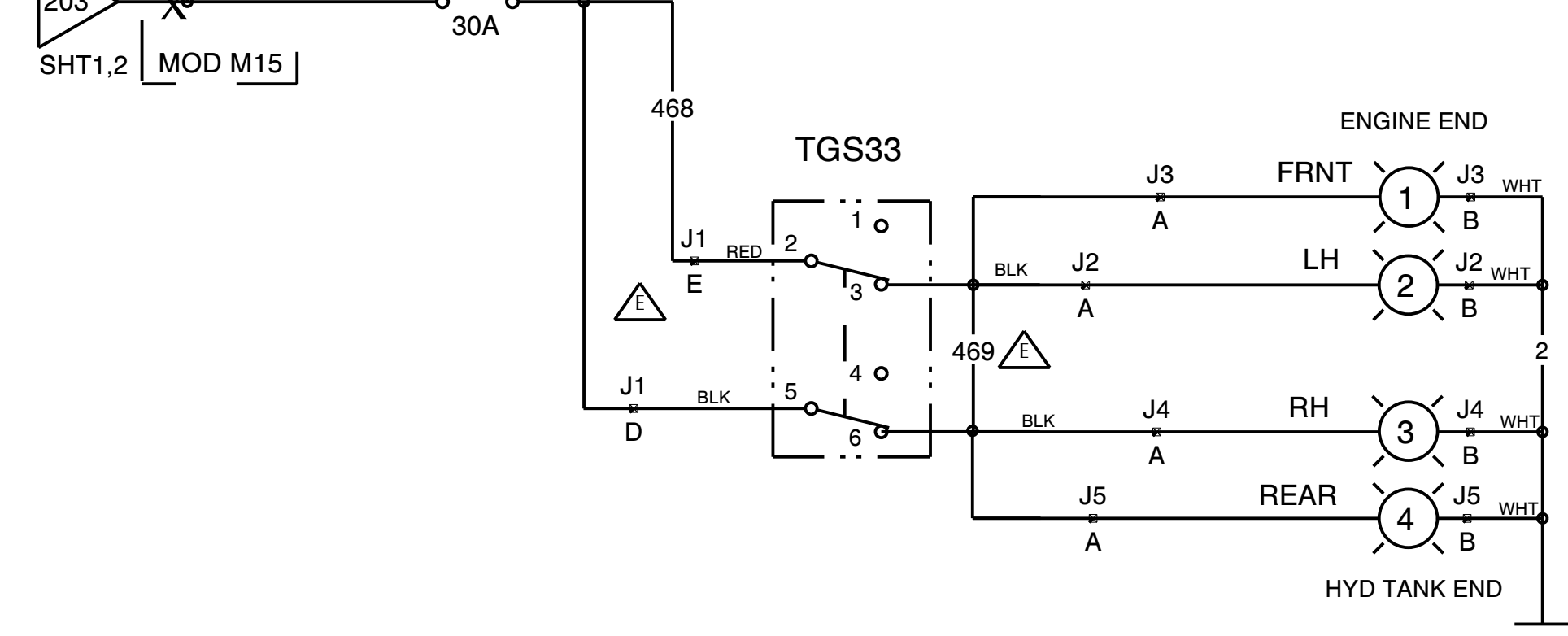
ELECTRIC ACTUATED SWING SEAT
96680475 / 98680051 (OPTIONAL - M29)



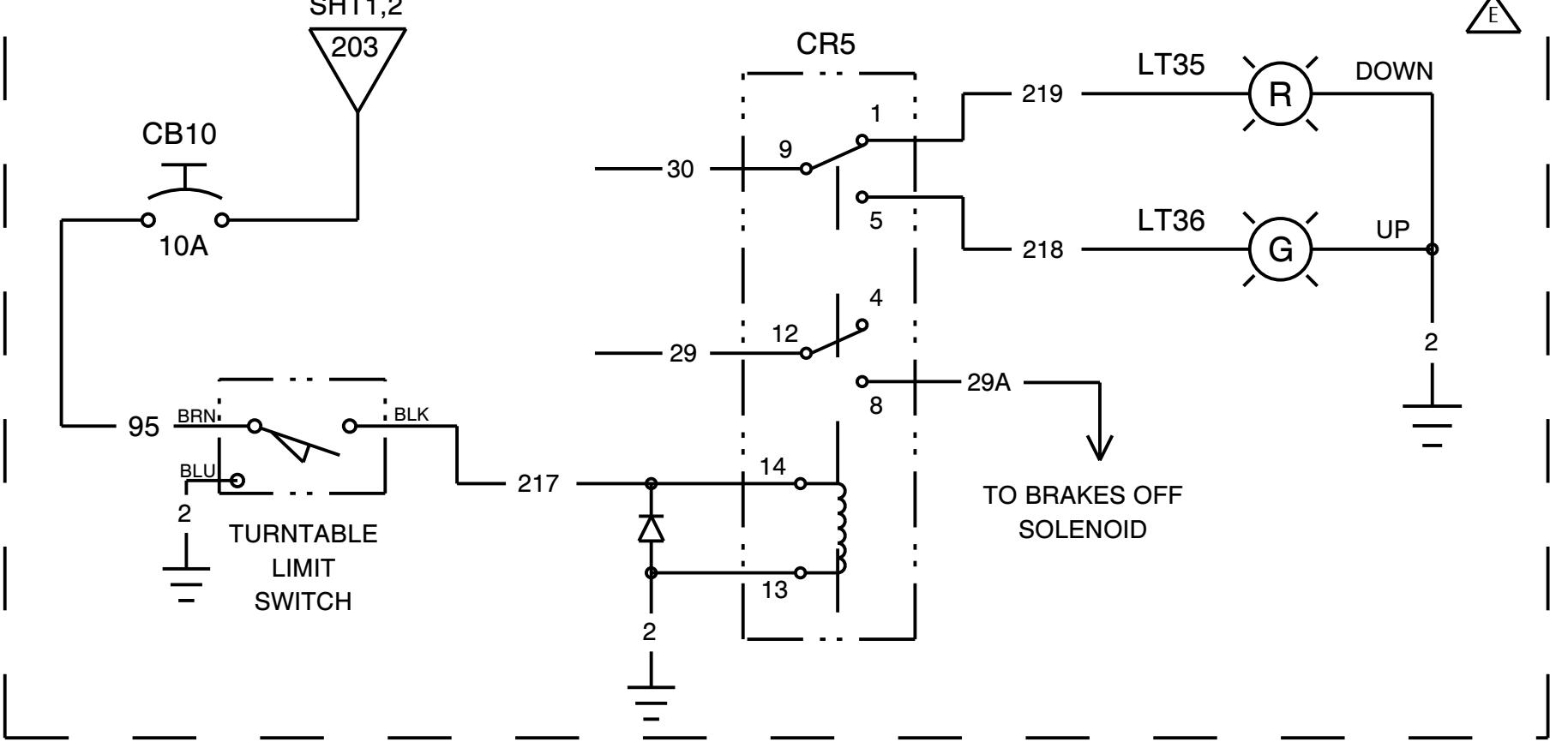
FILTER INDICATOR LIGHTS
96450332 BOX (OPTIONAL)
UP TO S/N680346



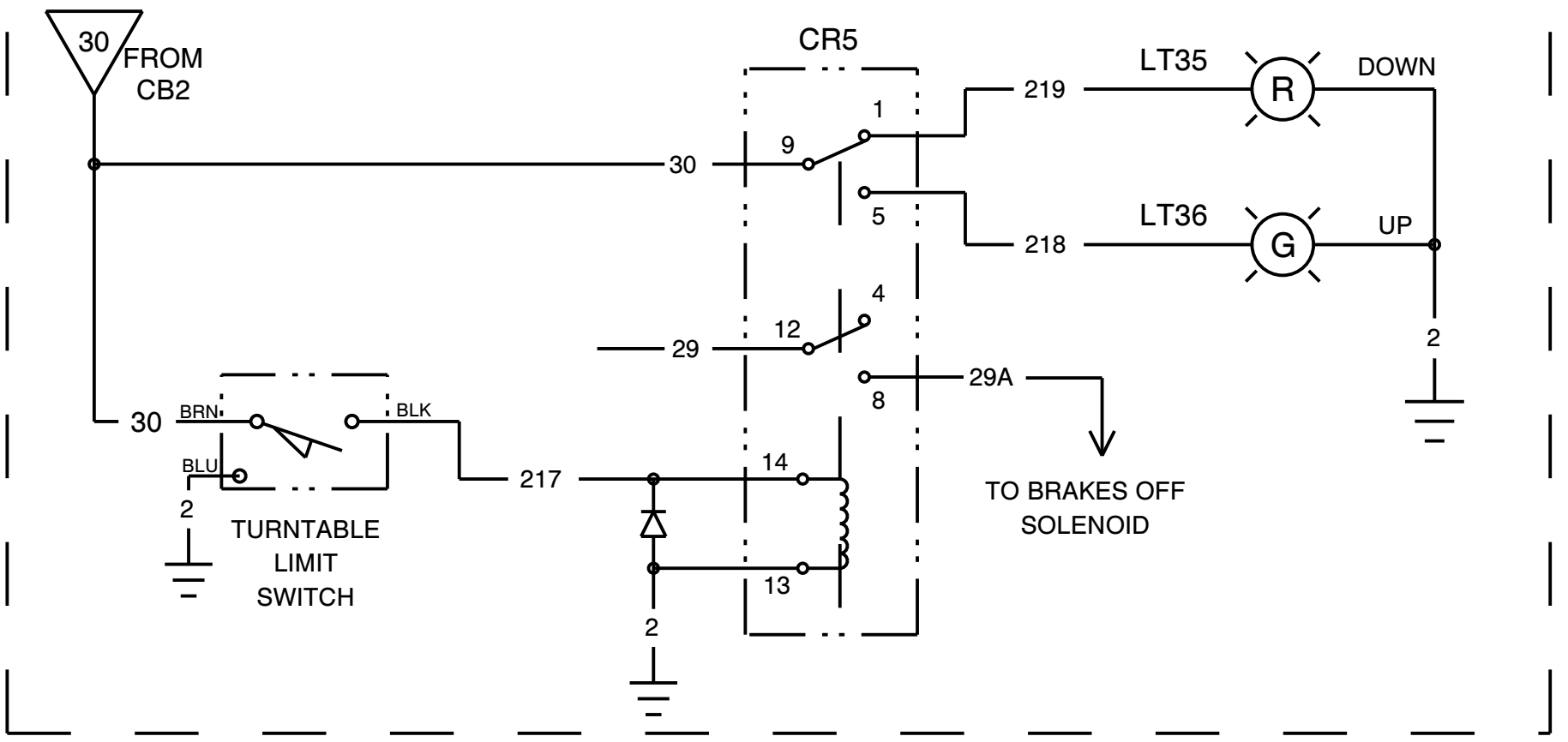
PERIMETER LIGHTS
98680220 (OPTIONAL - MOD M24)



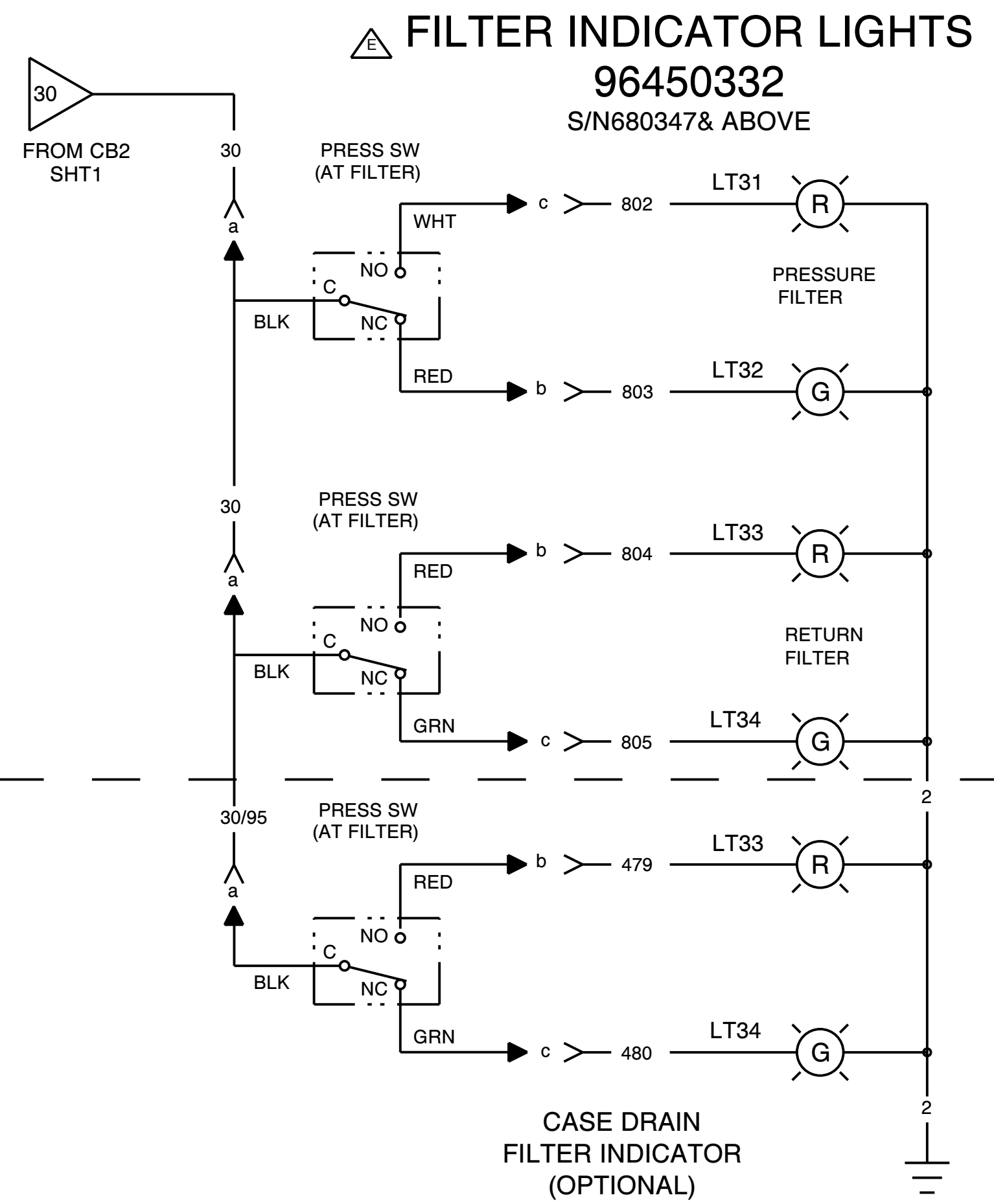
TURNTABLE CYL INDICATOR LIGHTS
96680384 (OPTIONAL - UP TO S/N680342)



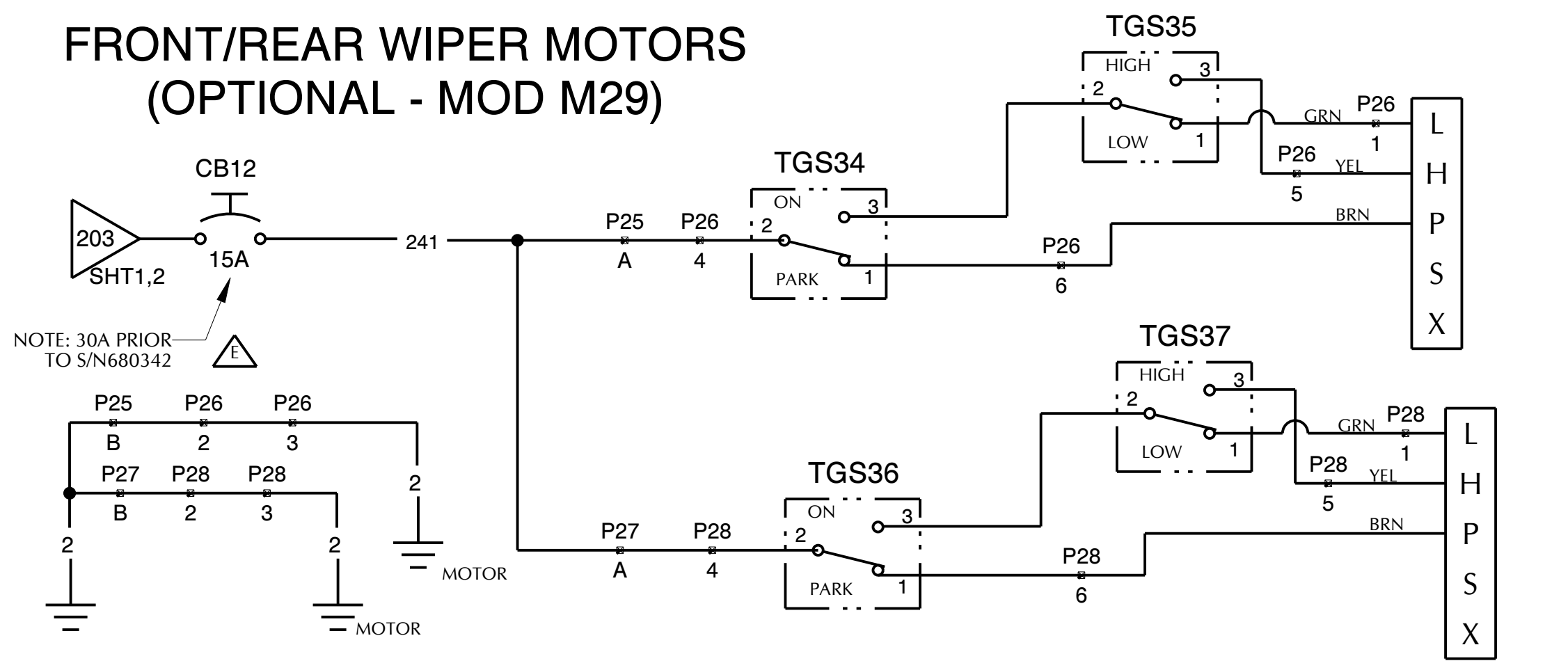
TURNTABLE CYL INDICATOR LIGHTS
96680384 (OPTIONAL - M13)



FILTER INDICATOR LIGHTS
96450332
S/N680347 & ABOVE

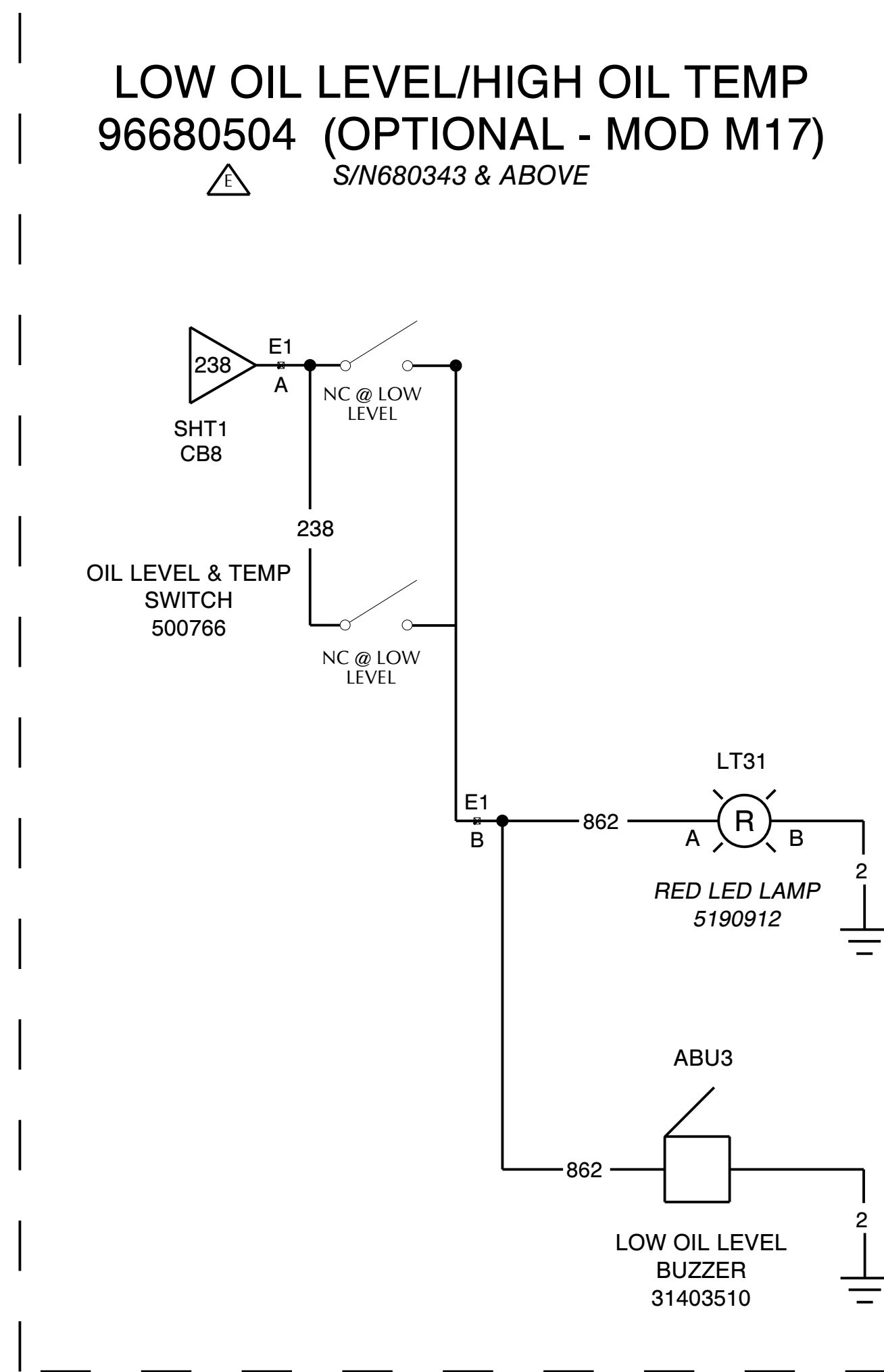
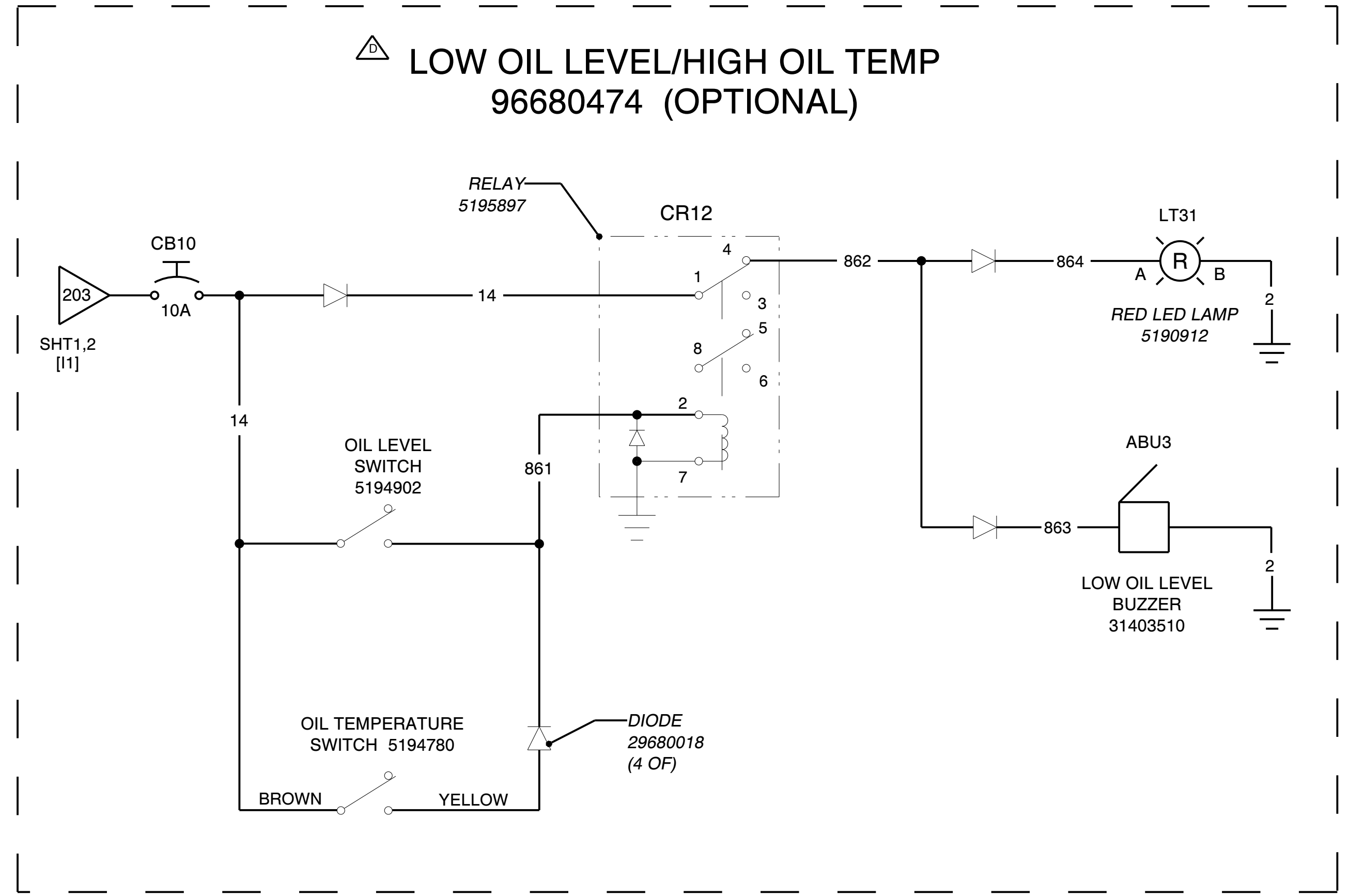
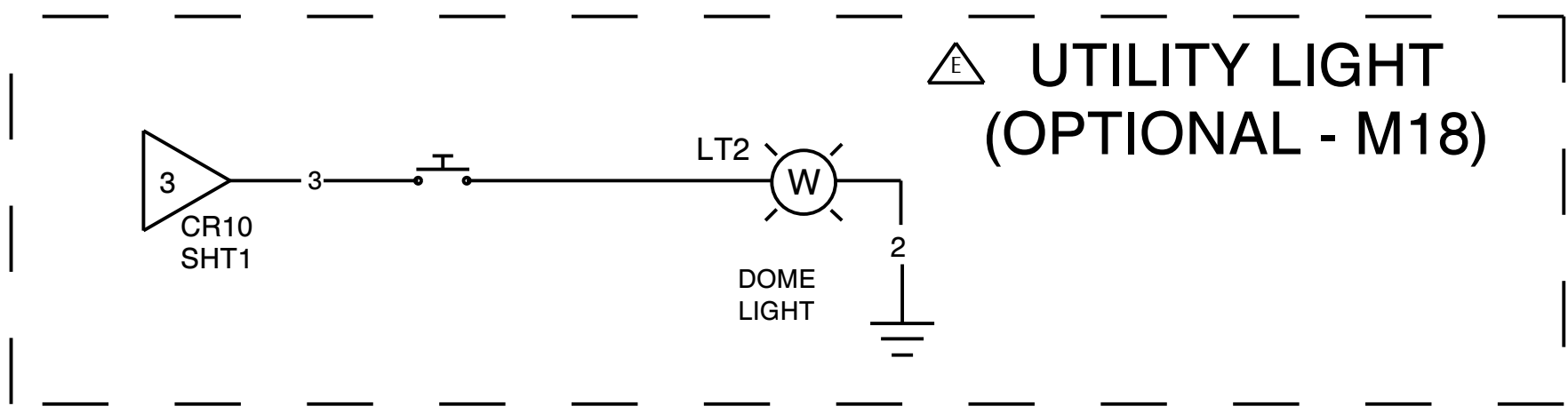
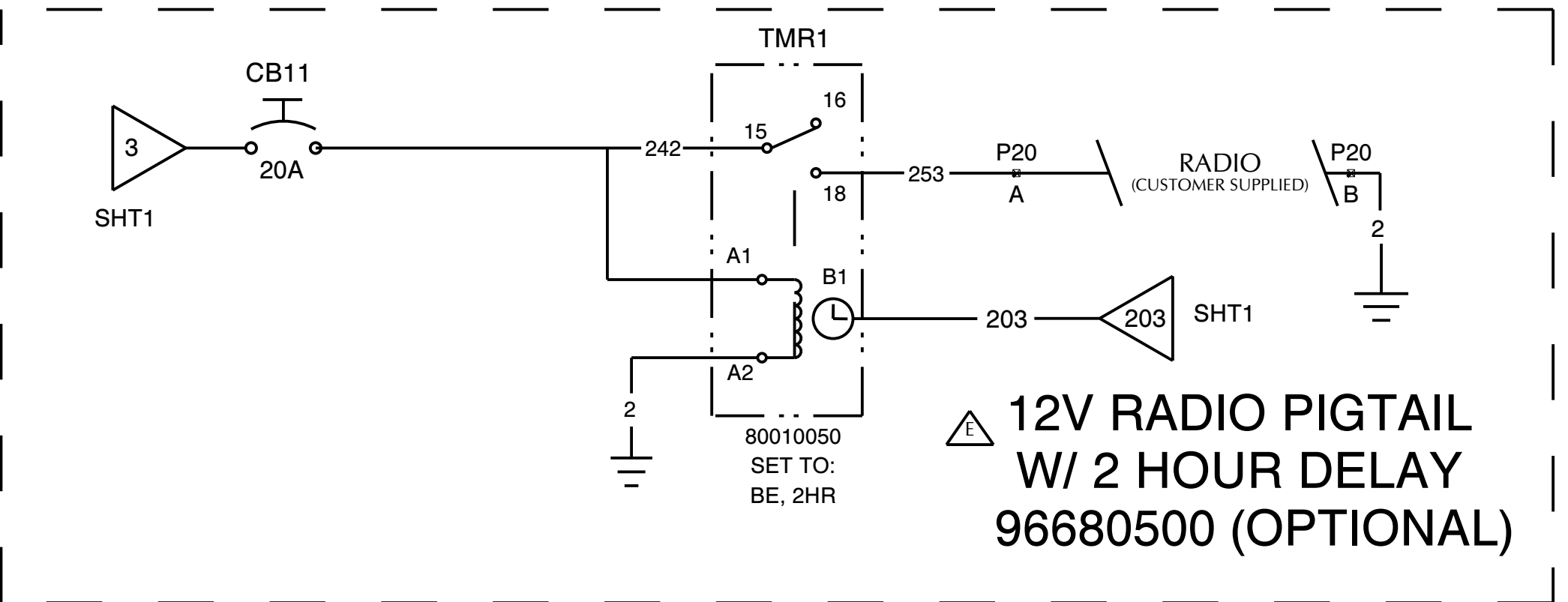
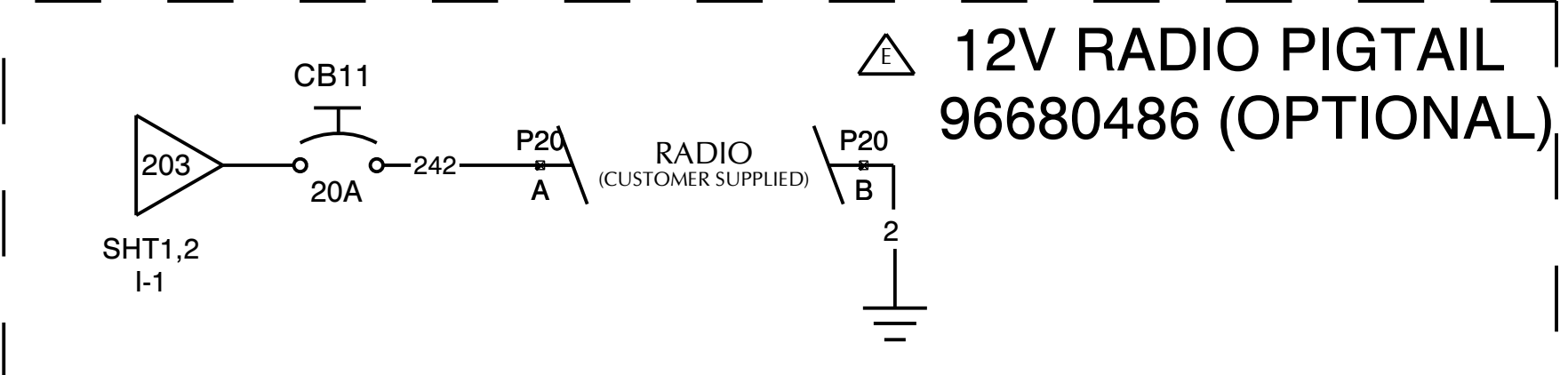


FRONT/REAR WIPER MOTORS
(OPTIONAL - MOD M29)



CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: AA-F			
FRACTION ± 1/8		DESCRIPTION: ELEC SCHEMATIC 12V			
X ± .06		SIZE	SCALE	DRAWING CODE NUMBER	REV
XX ± .03		D	NTS	97681000	E
XXX ± .010		ASSEMBLY:-		SHEET 4 OF 6	

SEE LAST SHEET FOR REV HISTORY BEGINNING AT REV D. SEE PREVIOUS REVISION FOR EARLIER HISTORY.
 JWW 22-APR-16 601674
 DRAWN BY: DATE: E.C.O.# PLANE ANGLES W/F



CUSTOMARY: ALL DIMENSIONS IN INCHES		NORDCO THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: AA-F	
DESCRIPTION: ELEC SCHEMATIC 12V		DRAWING CODE NUMBER	
FRACTION	± 1/8	SIZE	SCALE
X	± .06	NTS	97681000
XX	± .03	REV	E
XXX	± .010	ASSEMBLY:-	SHEET 5 OF 6

SEE LAST SHEET FOR REV HISTORY BEGINNING AT REV D. SEE PREVIOUS REVISION FOR EARLIER HISTORY.
 DRAWN BY: JWW 22-APR-16
 DATE: 601674
 E.C.O.#: 200
 PLANE ANGLES W/ 1°

REVISION HISTORY

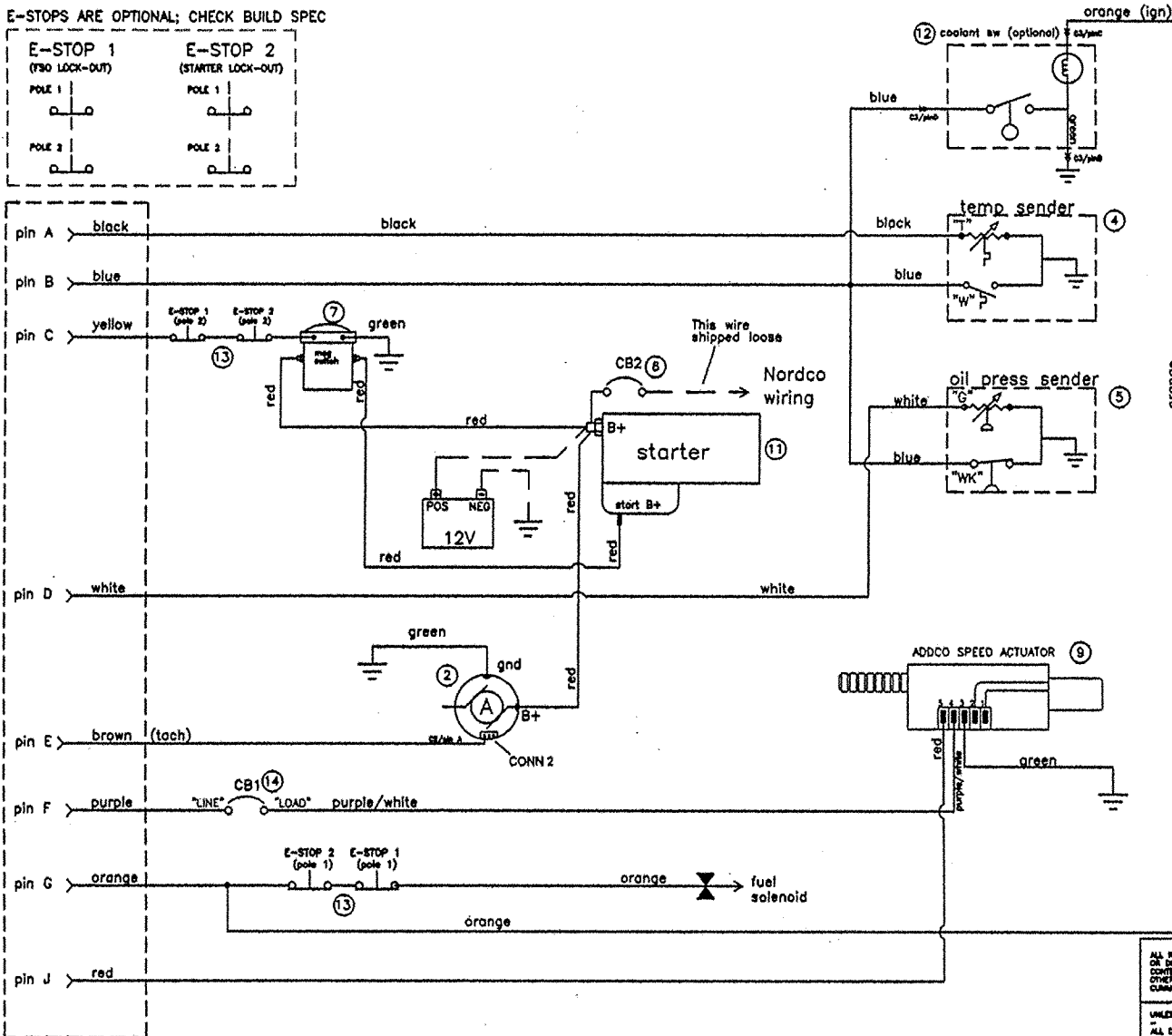
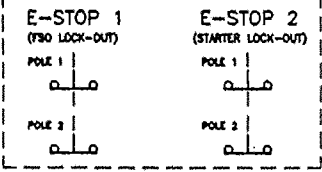
ECO	600700	REV D
DRAWN BY:	CHECKED BY:	APPROVED BY:
MKS 07/11/12	SCR 2012.07.12	
SHEET CHANGE		
1-3	TRANSLATED FROM KEYCREATOR.	
3	MOVED ALL OPTIONALS TO SHEET 4.	
4	NEW SHEET. TURNTABLE...INDICATOR LIGHTS & FILTER INDICATOR LIGHTS OPTIONS WERE ON SHEET 3. ADDED OPTIONS FOR: ELEC ACTUATED SWING SEAT, EMERG STOP BUTTONS, LOW LEVEL/HI OIL TEMP & PERIMETER LIGHTS.	
5	NEW SHEET. ADDED "REVISION HISTORY"	

ECO	601674	REV E
DRAWN BY:	CHECKED BY:	APPROVED BY:
JWW 22-APR-2016		
SHEET CHANGE		
1	ADDED VARIOUS PIN CONNECTIONS FOR REFERENCE. ADDED WIRE 3 TO LT2, SHT 5. [H6] ADDED HYD OIL TEMP GAUGE OPTION GA7, MOD M19. ADDED WIRE 3 CONNECTIONS, MOD M15. REMOVED DEUTZ REFERENCES & DIODE. [C4], [C7] ADDED "MOD M26" FOR REFERENCE [H1] ADDED WIRE 30 TO SHT 4 F-4. ADDED WIRE 206 TO SHT 2 H-1	
2	ADDED VARIOUS PIN CONNECTIONS FOR REFERENCE. ADDED MOD M26 / WIRE 222. TGS30: TERMINAL 2 WAS TERMINAL 1. MODIFIED "TRAVEL BOX" OUTLINE. ADDED MOD M15, WIRE 3 AT CB4 AND CB5.	
3	ADDED VARIOUS PIN CONNECTIONS FOR REFERENCE. ADDED N1@C AND D FOR GROUND CONNECTIONS.	
4	4-CORNER E-STOP MOD REDRAWN [H6] PERIMETER LIGHTS: CORRECTED PIN ID'S, ADDED WIRE 469. ADDED SECOND TT CIRCUIT, S/N REFERENCE. ADDED M15 CONNECTION. ADDED MOD MXX REFERENCES THROUGHOUT SHEET. SEAT MOD: CB10 WAS CB12, ADDED NOTE. ADDED S/N680347 & ABOVE FILTER INDICATORS, CASE DRAIN OPTION. ADDED "UP TO S/N680346" NOTE.	
5	ADDED THIS SHEET, RADIO AND UTILITY LIGHT OPTIONS. RELOCATED OIL MONITOR TO THIS SHEET FROM SHEET 4. ADDED LOW OIL LEVEL / HIGH OIL TEMP (96680504) OPTION.	
6	WAS SHEET 5. CORRECTION: REMOTE E-STOPS: CR10 WAS CR1.	

CUSTOMARY: ALL DIMENSIONS IN INCHES		THIRD ANGLE PROJECTION	PRODUCT: AA-F DESCRIPTION: ELEC SCHEMATIC 12V
IMPLIED TOLERANCES FRACTION ± 1/8 X ± .06 XX ± .03 XXX ± .010	SIZE SCALE DRAWING CODE NUMBER REV	D NTS 97681000 E	
SEE LAST SHEET FOR REV HISTORY BEGINNING AT REV D. SEE PREVIOUS REVISION FOR EARLIER HISTORY.	DRAWN BY: JWW DATE: 22-APR-16	E.C.O.# 601674	PLANE ANGLES W/ F° ASSEMBLY:- SHEET 6 OF 6

9768 1001 DWG

E-STOPS ARE OPTIONAL; CHECK BUILD SPEC



ITEM	DESCRIPTION	P/N
	ENGINE HARNESS	11298_SHT1
2	ALTERNATOR, DELCO 12V/130A	OPTION EE9245
4	TEMP SENDER/SWITCH	VDO 323 099D
5	OIL PRESS SENDER/SWITCH	VDO 380 025D
6	CB 2; PANEL C.B. (80A)	SDLM-80
7	STARTER SOLENOID RELAY (12V)	EA50035
9	SPEED CONTROL ACTUATOR (12V)	ADDCO 72D-0104
11	STARTER, DENSO 12 VOLT	OPTION ST9380
12	LOW COOLANT SWITCH	COOPER 913-NLU-TD10-T
13	ENGINE STOP BUTTONS (2)	C3 Controls
		PBO-HPPMCRD-NC-NC
	ENGINE STOP NAMEPLATES (2)	LPRN-YW-SP
14	CB 1; ADDCO C.B. (3 Amp)	NEWARK 70B8785

C1
Engine Harness Connector;
Deutch HD34-24-16-PN

- A) Temp Sender
- B) Temp & Oil Press Sw
- C) Starter Solenoid
- D) Oil Press Sender
- E) Tach
- F) Speed Control Switch
- G) FSO
- H) reserved for glow plugs
- J) Speed Control Switch

C1

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WHITE BEAR LAKE, MN
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IPPOWER SYSTEMS
DESIGN CENTER
875 LAWRENCE DRIVE
DEPERE, WISCONSIN

UNLESS OTHERWISE NOTED
ALL DIMENSIONS ARE IN INCHES
APPLY MACHINE TOLERANCES
XX = ± 0.005
XXI = ± 0.010
XXII = ± 0.015
APPLY WELDED TOLERANCES
XX = ± 0.005
XXI = ± 0.010
XXII = ± 0.015

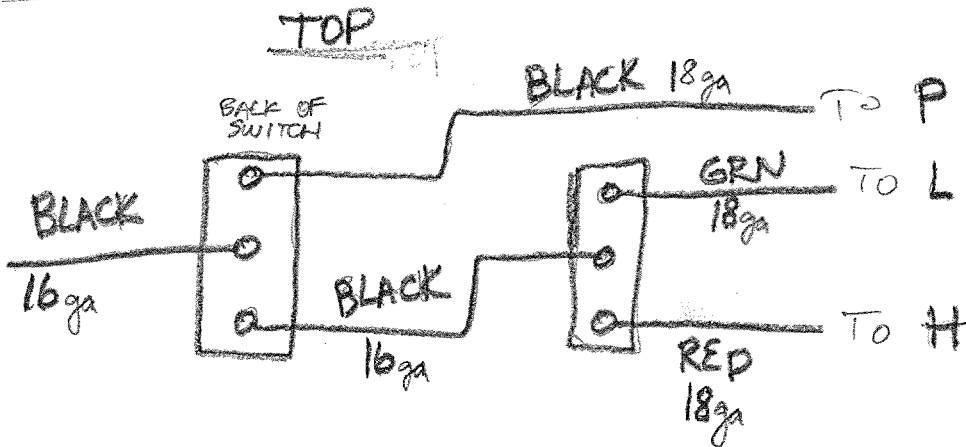
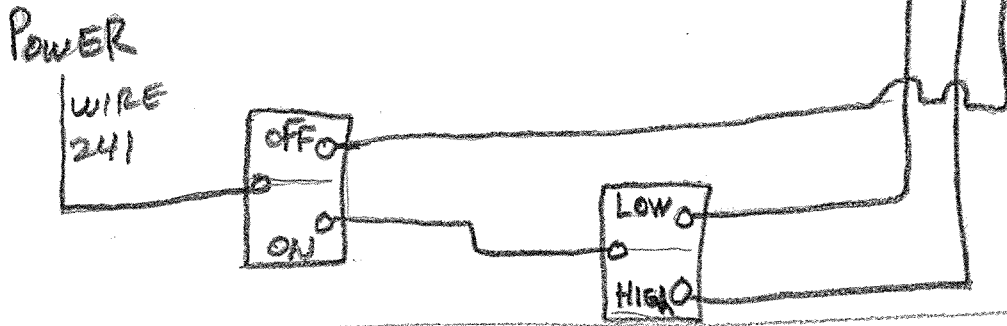
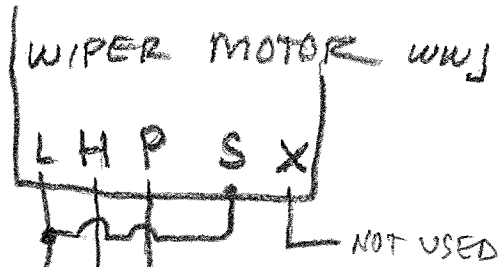
DWG SCALE:	DRAWN BY: RJS	DATE: 17 NOV 2006
PLOT SCALE:	APPD BY:	DATE:
DESCRIPTION SCHEMATIC; ENGINE		
REFERENCE: NORDCO 233 SPEC; 4.5L 12V	DRAWING NUMBER: 11298_SHT2	

REV	DESCRIPTION OF REVISION	BY	DATE

9768 1001 DWG

9768 1002 DWG

AA-F



WDS/MKS
8-2-06

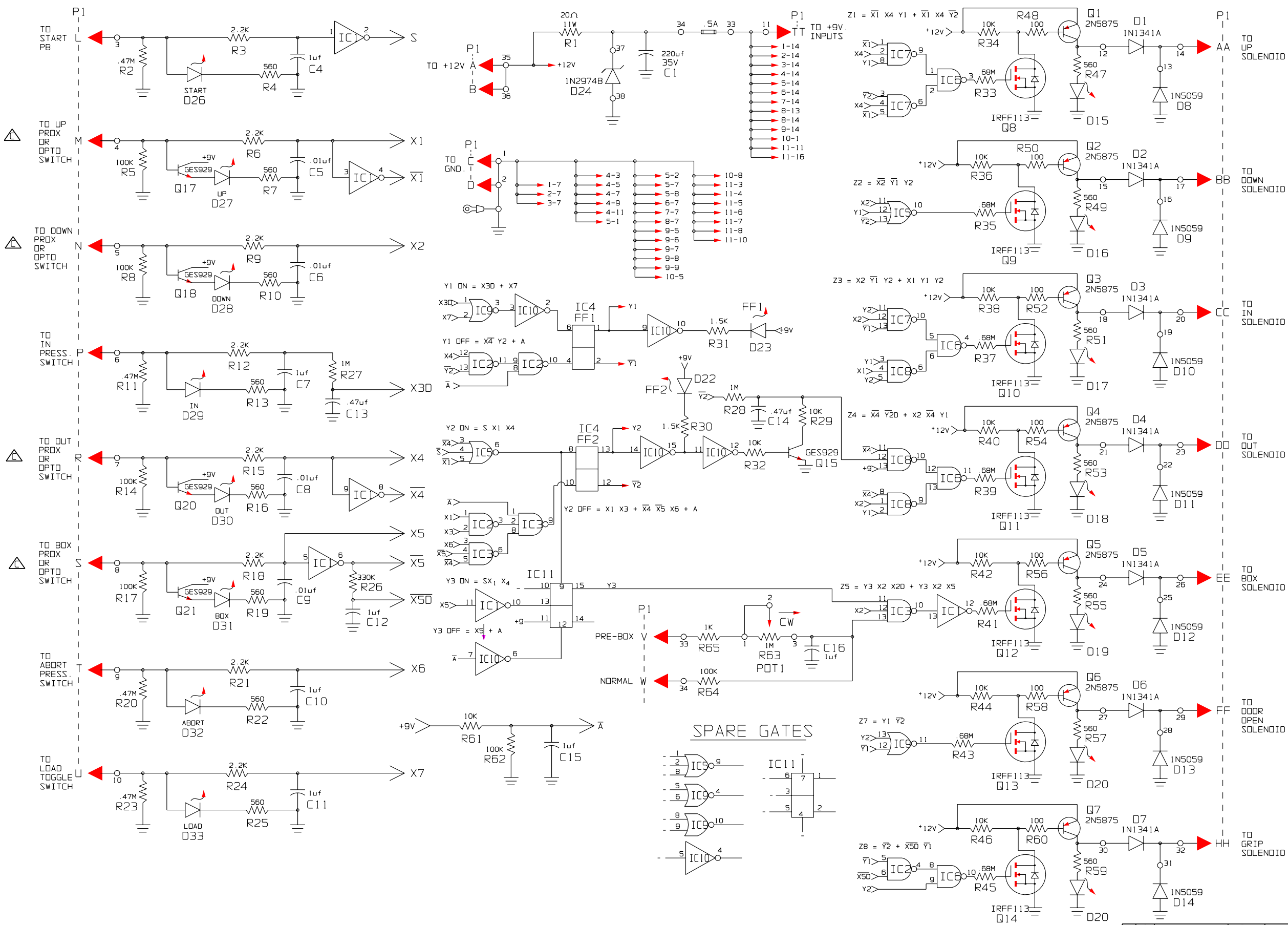
30 AMP CB #12

POWER WIRE = # 241

AA-F
WIRING, WIPER MOTOR

9768 1002 DWG

REV -



68-42
S/N 680232 and Above

CUSTOMARY:		NORDCO Equipment	
ALL DIMENSIONS IN INCHES	DRAWN: BBB	CHECKED:	APPROVED:
IMPLIED TOLERANCES Finished Dimensions	DATE: 03/15/94	PRODUCT: AA "E"	DESCRIPTION:
DECIMAL INCH		LOGIC SCHEMATIC	
FRACTION	1/8	SIZE	SCALE
.x	.06	DRAWING CODE NUMBER	REV.
.xx	.03	NTS	9668 0216
.xxx	.010	ASSEMBLY: -	SHEET 1 OF 1
MACHINE FINISH UNLESS OTHERWISE STATED		PLANE ANGLES : ONE DEGREE	

PROX NOTES ADDED	SWA	S3130
REVISED OIL TANK FITTINGS	BBB	NONE
REVISED OIL COOLER FITTINGS	BBB	NONE
NEW ISSUE	BBB	NONE
REV	CHANGE	BY: DATE: ENG. ORDER #