

24-30-02

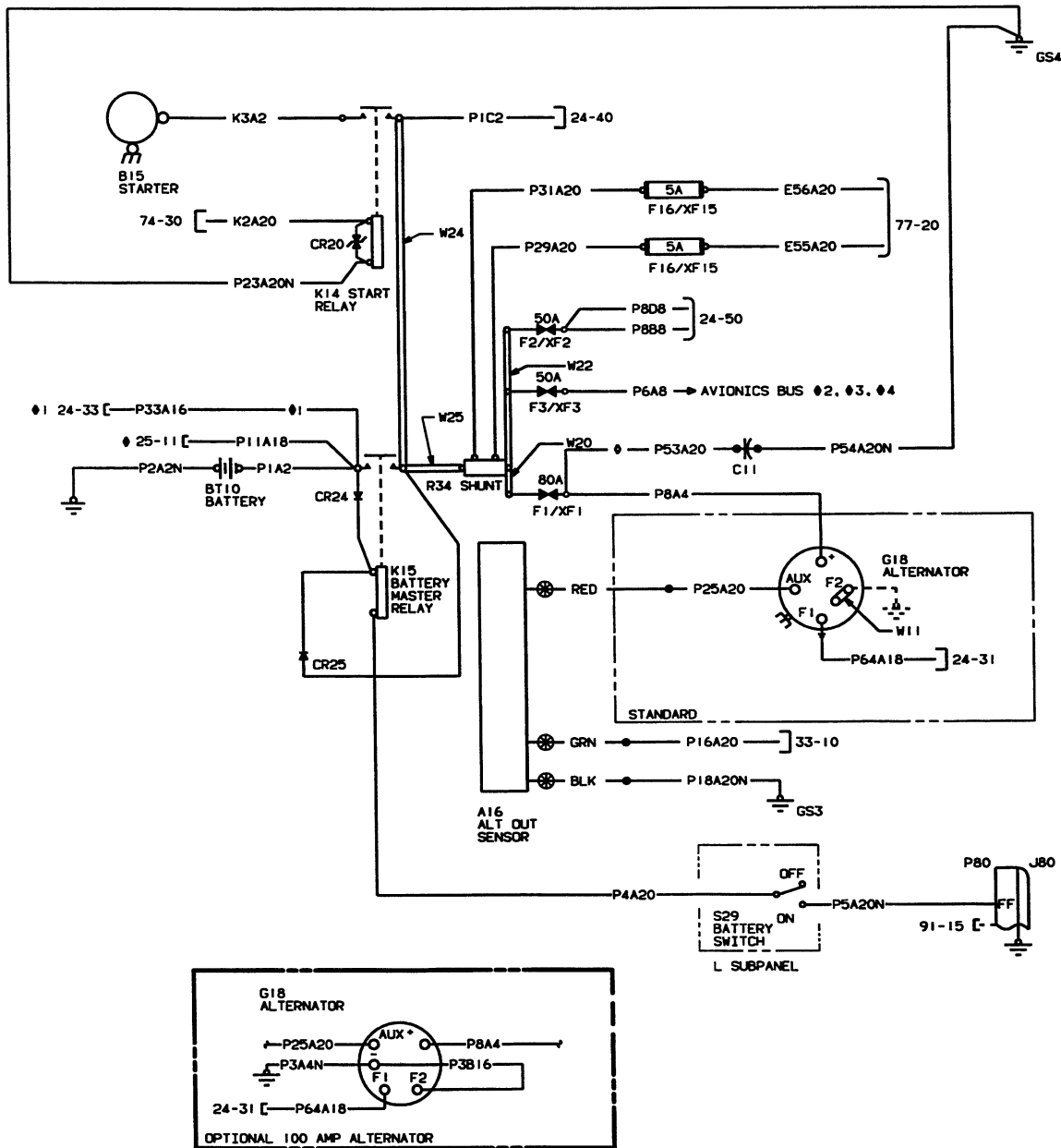
ALTERNATOR (PRIOR TO INSTALLATION OF KIT 55-3025-1S)

(Configuration 1)

E-1371 THRU E-1518; CE-816 THRU CE-861; CJ-149 ONLY; D-10179 THRU D-10247; EA-2 THRU EA-5

Raytheon Aircraft

BEECH BONANZA WIRING DIAGRAM MANUAL



CE24F
982521AA

ALTERNATOR (PRIOR TO INSTALLATION OF KIT 55-3025-1S)
E-1371 THRU E-1518; CE-816 THRU CE-861; CJ-149 ONLY; D-10179 THRU D-10247;
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(Configuration 1)

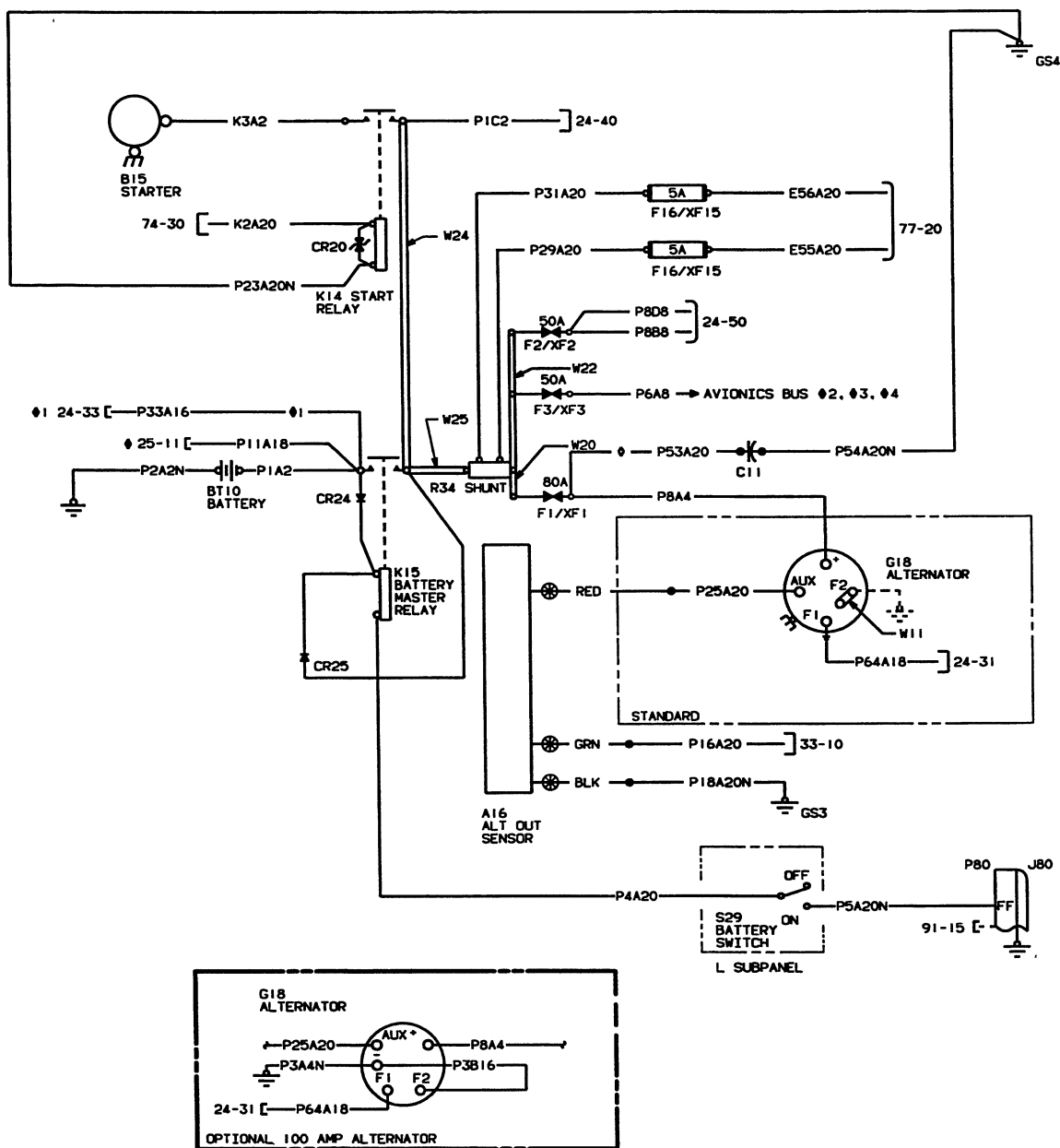
Raytheon Aircraft

BEECH BONANZA WIRING DIAGRAM MANUAL

			INSTL	USABLE
REFERENCE			ON	
DESIGNATOR	PART NUMBER	DESCRIPTION	ZONE	CODE
24-30-02				
(Configuration 1)				
A16	36-380000-3	SENSOR-ALTERNATOR OUT	222	1
BT10	36-380059-1	BATTERY (ALTN FOR PS12-11)	222	1
BT10	PS12-11	BATTERY (ALTN FOR 36-380059-1)	222	1
B15	MHJ-4003	MOTOR-STARTER (ALTN FOR 637847)	410	1
B15	637847	MOTOR-STARTER (ALTN FOR MHJ-4003)	410	1
CR20	1.5KE51CA	TRANSZORB-START RELAY	222	1
CR24	1N4007	DIODE-BATTERY MASTER RELAY (SUPERSEDED BY 132408-22)	222	1
CR24	132408-22	DIODE-BATTERY MASTER RELAY (SUPERSEDES 1N4007)	222	1
CR25	1N4007	DIODE-BATTERY MASTER (SUPERSEDED BY 132408-22)	222	1
CR25	132408-22	DIODE-BATTERY MASTER (SUPERSEDES 1N4007)	222	1
C11	39D507G050GL4	CAPACITOR-ALTERNATOR (OPTL)	410	1
F1	FLLB	LIMITER-ALTERNATOR	222	1
F15	AGC5	FUSE-AMMETER	222	1
F16	AGC5	FUSE-AMMETER	222	1
F2	FLLA	LIMITER-ELECTRICAL BUS	222	1
F3	FLLA	LIMITER-AVIONICS BUS	222	1
GS3	131270-3	GROUND STUD-FIREWALL	221	1
GS4	AN3-5A	GROUND STUD-LOWER FIREWALL	222	1
G18	641668	ALTERNATOR, 50 AMP (ALTN FOR ALT9422)	410	1
G18	ALT9422	ALTERNATOR, 50 AMP (ALTN FOR 641668)	410	1
G18	640789	ALTERNATOR, 100 AMP (OPTL) (ALTN FOR ALV9407)	410	1
G18	ALV9407	ALTERNATOR, 100 AMP (OPTL) (ALTN FOR 640789)	410	1
J80	204814-1	RECEPTACLE-GROUNDING BLOCK	231	1
K14	6041H190	RELAY-START	222	1
K15	6041H189	RELAY-BATTERY MASTER	222	1
P80A	200838-3	PLUG-GROUNDING BLOCK	231	1
P80B	201224-1	STRAIN RELIEF	231	1
P80C	201328-1	SOCKET CONTACT	231	1
P80D	200333-1	SOCKET CONTACT	231	1
P80E	203618-1	JACKSCREW	231	1
R34	MS91586-2	SHUNT-50 AMP	131	1
R34	MS91586-6	SHUNT-100 AMP (OPTL)	222	1
S29	35-380053-21	SWITCH-BATTERY	240	1
W11	002-369014-3	BUS BAR-ALTERNATOR (USED WITH 50 AMP ALTERNATOR)	410	1
W20	36-364001-27	BUS BAR-SHUNT, AVIONICS LIMITER	222	1
W22	002-361016-7	BUS BAR-LIMITER	222	1
W24	36-364001-13	BUS BAR-START RELAY	222	1
W25	36-364001-19	BUS BAR-BATTERY MASTER	222	1
XF1	FSH	LIMITER BASE-ALTERNATOR	222	1
XF15	4532	FUSEHOLDER-AMMETER/CLOCK	222	1
XF2	FSH	LIMITER BASE-ELECTRICAL BUS	222	1
XF3	FSH	LIMITER BASE-AVIONICS BUS	222	1

Raytheon Aircraft

BEECH BONANZA WIRING DIAGRAM MANUAL



- ♦4 WHEN OPTIONAL SINGLE NAV IS USED REFER TO DIAG 24-52 & 24-34
- ♦3 WHEN OPTIONAL DUAL NAV IS USED REFER TO DIAG 24-51 & 24-33
- ♦2 REFER TO APPLICABLE AVIONICS DIAG FOR MODE OF CONNECTION.
- ♦1 ON AIRCRAFT E-1371 THRU E-1423, EA-2 THRU EA-5, CE-816 THRU CE-833 AND D-10179 THRU D-10205 NOT USED
- ♦ ON AIRCRAFT HAVING OPTIONAL CONTROL WHEEL CLOCK INSTALLED, REF DIAGRAM 25-12 REPLACES REF DIAGRAM 25-11.
- ♦ WIRE LENGTH MUST BE KEPT LESS THAN 6 INCHES

CE24F
982521AA

ALTERNATOR (PRIOR TO INSTALLATION OF KIT 55-3025-1S)
E-1371 THRU E-1518; CE-816 THRU CE-861; CJ-149 ONLY; D-10179 THRU D-10247;
EA-2 THRU EA-5
(Configuration 1)

Raytheon Aircraft

BEECH BONANZA WIRING DIAGRAM MANUAL

REFERENCE			USABLE	
DESIGNATOR	PART NUMBER	DESCRIPTION	INSTL ZONE	ON CODE

24-30-02
(Configuration 1)

NOTE

REFER TO THE ALTERNATOR (G18)
INSTALLED IN THE AIRPLANE FOR THE
CORRECT PART NUMBER.

CODES OF EFFECTIVITY

1. E-1371 THRU E-1518; CE-816 THRU CE-861; CJ-149 ONLY; D-10179 THRU D-10247; EA-2 THRU EA-5 (PRIOR TO INSTALLATION OF KIT 55-3025-1S)

24-30-02

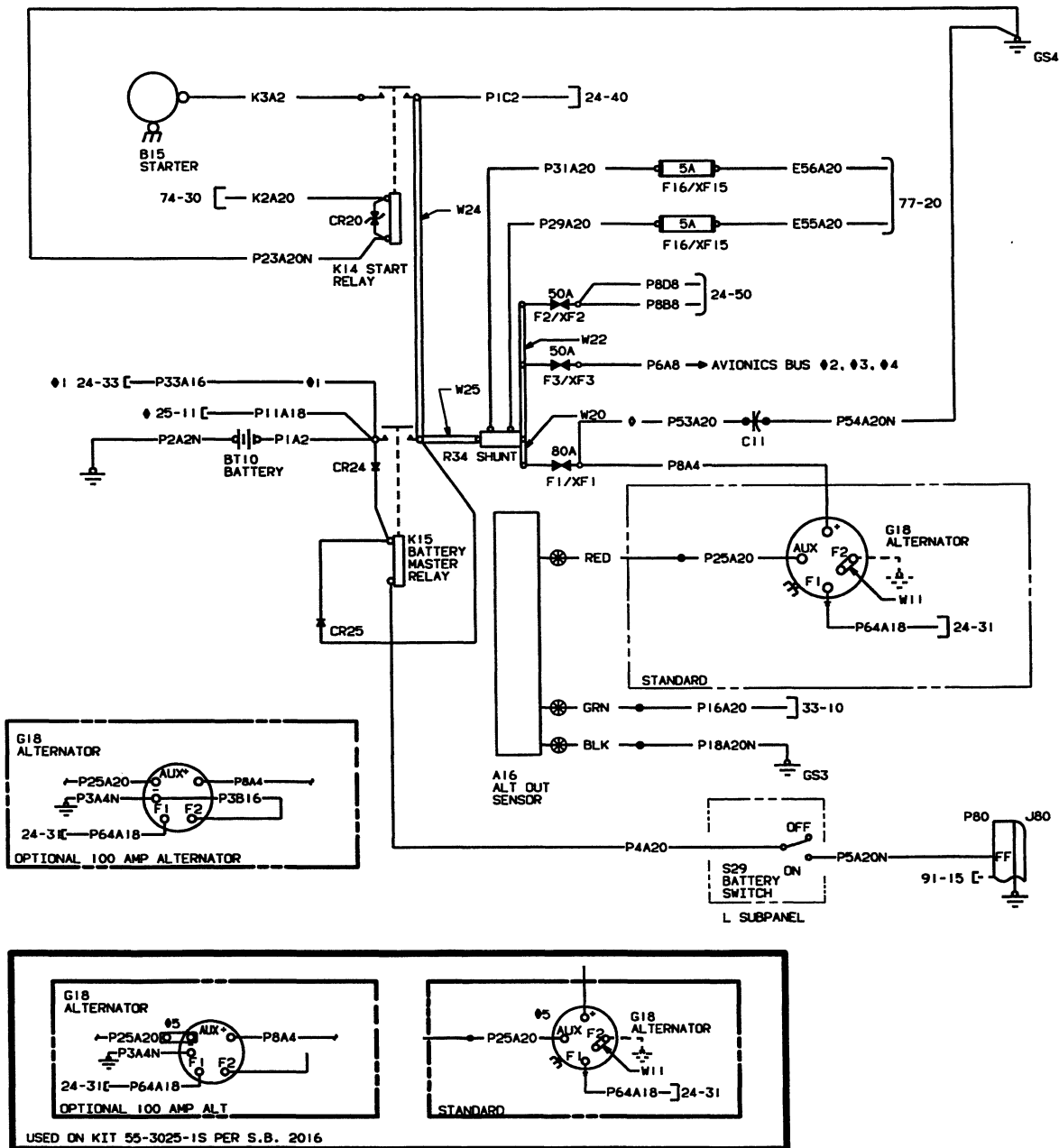
ALTERNATOR (AFTER INSTALLATION OF KIT 55-3025-1S)

(Configuration 2)

E-1371 THRU E-1518; CE-816 THRU CE-861; CJ-149 ONLY; D-10179 THRU D-10247; EA-2 THRU EA-5

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- ◆ ON AIRCRAFT HAVING OPTIONAL CONTROL WHEEL CLOCK INSTALLED, REF DIAGRAM 25-12 REPLACES REF DIAGRAM 25-11.
- ◆ WIRE LENGTH MUST BE KEPT LESS THAN 6 INCHES
- ◆5 PC BOARD FUSE PER S.B. 2016

CE24F
982547AA

ALTERNATOR (AFTER INSTALLATION OF KIT 55-3025-1S)
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(Configuration 2)

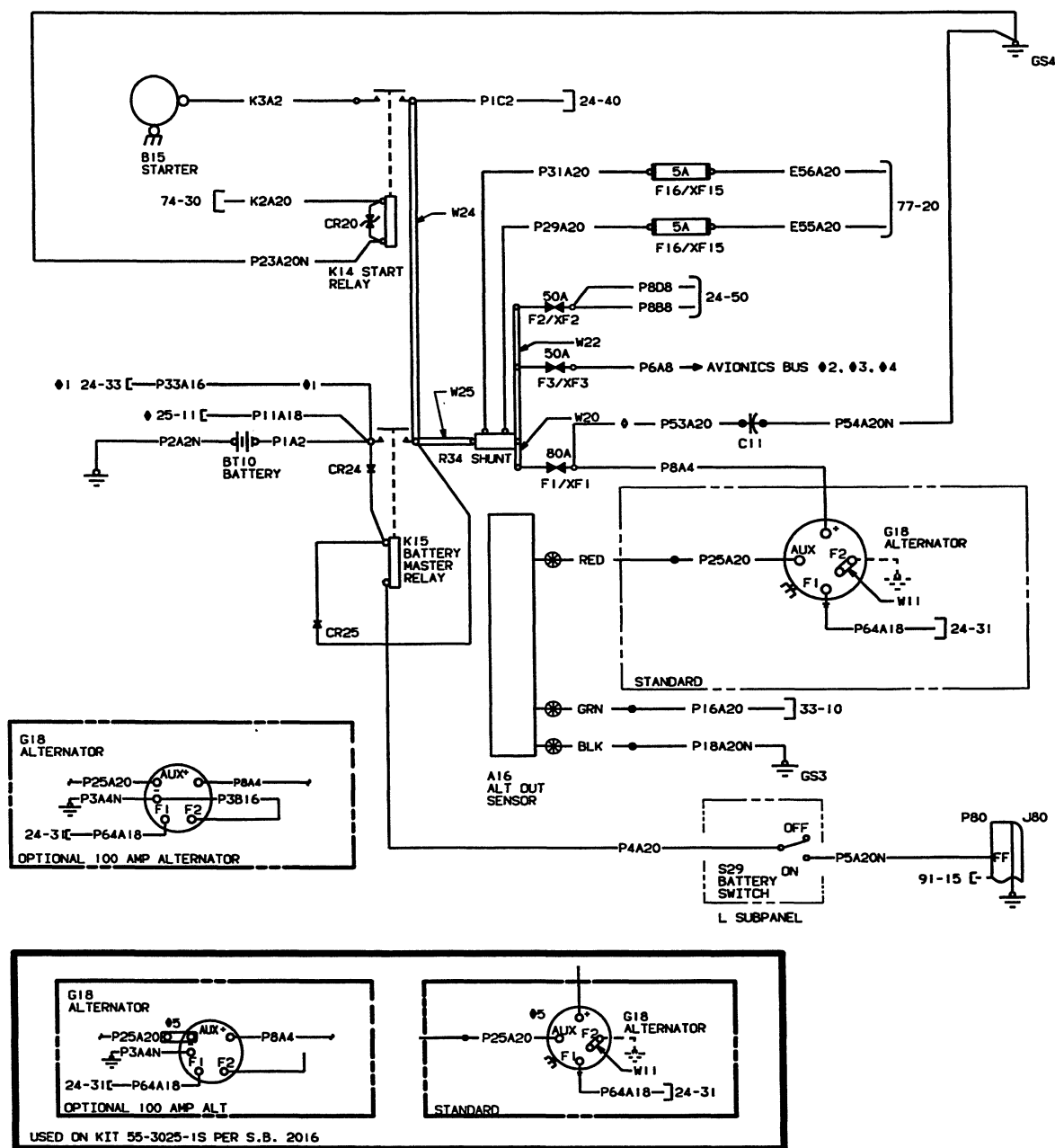
Raytheon Aircraft

BEECH BONANZA WIRING DIAGRAM MANUAL

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION	INSTL ZONE	USABLE ON CODE
24-30-02 (Configuration 2)				
A16	36-380000-3	SENSOR-ALTERNATOR OUT	222	1
BT10	36-380059-1	BATTERY (ALTN FOR PS12-11)	222	1
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CR24	132408-22	DIODE-BATTERY MASTER RELAY (SUPERSEDES 1N4007)	222	1
CR25	1N4007	DIODE-BATTERY MASTER (SUPERSEDED BY 132408-22)	222	1
CR25	132408-22	DIODE-BATTERY MASTER (SUPERSEDES 1N4007)	222	1
C11	39D507G050GL4	CAPACITOR-ALTERNATOR (OPTL)	410	1
F1	FLLB	LIMITER-ALTERNATOR	222	1
F15	AGC5	FUSE-AMMETER	222	1
F16	AGC5	FUSE-AMMETER	222	1
F2	FLLA	LIMITER-ELECTRICAL BUS	222	1
F3	FLLA	LIMITER-AVIONICS BUS	222	1
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W25	36-364001-19	BUS BAR-BATTERY MASTER	222	1
XF1	FSH	LIMITER BASE-ALTERNATOR	222	1
XF15	4532	FUSEHOLDER-AMMETER/CLOCK	222	1
XF2	FSH	LIMITER BASE-ELECTRICAL BUS	222	1
XF3	FSH	LIMITER BASE-AVIONICS BUS	222	1
Y1A		THE FOLLOWING COMPONENTS ARE PART OF KIT 55-3025-1S AND COMPLY WITH S.B. 2016.		
Y1B	55-3025-1S	KIT, PRINTED CIRCUIT BOARD FUSE ASSEMBLY (CONSISTS OF PARTS AND INSTRUCTIONS TO INSTALL A PRINTED CIRCUIT BOARD FUSE DIRECTLY ON THE AUXILIARY OUTPUT TERMINAL OF THE ALTERNATOR)		1

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E-1371 THRU E-1518; CE-816 THRU CE-861; CJ-149 ONLY; D-10179 THRU D-10247;
EA-2 THRU EA-5
(Configuration 2)

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BEECH BONANZA WIRING DIAGRAM MANUAL

			INSTL	USABLE
REFERENCE			ON	
DESIGNATOR	PART NUMBER	DESCRIPTION	ZONE	CODE
24-30-02				
(Configuration 2)				
Y1C	58-360006-1	ALTERNATOR CONTROL RESISTOR ASSEMBLY- ALTERNATOR FUSE (A COMPONENT PART OF KIT 55-3025-1S) (SUPERSEDES 58-361014-1)		1
Y1D	58-361015-1	PRINTED CIRCUIT BOARD (A COMPONENT PART OF KIT 55-3025-1S)		1
Y1E	WF2K10R	RESISTOR, FUSIBLE (A COMPONENT PART OF KIT 55-3025-1S)		1
Y1F	9505-08	NUTSERT (A COMPONENT PART OF KIT 55-3025-1S)		1

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CORRECT PART NUMBER.

CODES OF EFFECTIVITY

1. E-1371 THRU E-1518; CE-816 THRU CE-861; CJ-149 ONLY; D-10179 THRU D-10247; EA-2 THRU EA-5 (AFTER INSTALLATION OF KIT 55-3025-1S)