

24-30-03

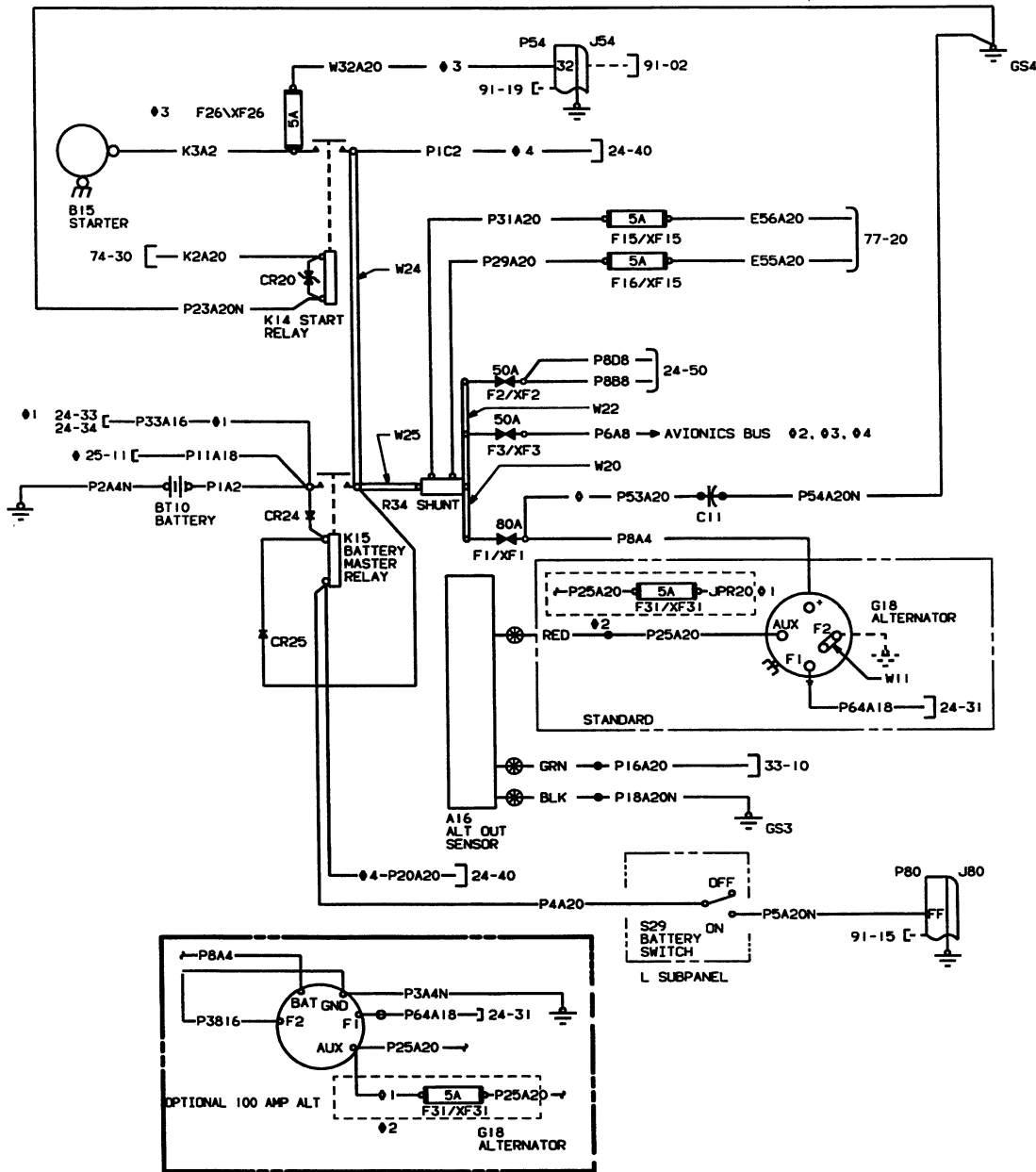
ALTERNATOR (PRIOR TO INSTALLATION OF KIT 55-3025-1S)

(Configuration 1)

E-1519 THRU E-1765; CE-862 THRU CE-928; CJ-150 THRU CJ-155; D-10248 THRU D-10353; EA-6 THRU
EA-158

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BEECH BONANZA WIRING DIAGRAM MANUAL



#2 REFER TO APPLICABLE AVIONICS DIAG FOR MODE OF CONNECTION.
 #3 WHEN OPTIONAL DUAL NAV IS USED REFER TO DIAG 24-51.
 #4 WHEN OPTIONAL SINGLE NAV IS USED REFER TO DIAG 24-52.

#4 USED ON ACFT WITH EXTERNAL POWER OPTION
 #3 USED ON ACFT CE-919, CE-923, CE-925 & CE-927 ONLY
 #2 WIRE AS SHOWN EA-158 ONLY
 #1 ON ACFT EA-6 & AFT NOT USED
 # ON ACFT HAVING OPTIONAL CONTROL WHEEL CLOCK INSTALLED,
 REF DIAGRAM 25-12 REPLACES REF DIAGRAM 25-11.
 #1 WIRE LENGTH MUST BE KEPT LESS
 THAN 3-INCHES.
 # WIRE LENGTH MUST BE KEPT
 LESS THAN 6-INCHES.

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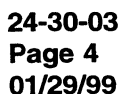
ALTERNATOR (PRIOR TO INSTALLATION OF KIT 55-3025-1S)
E-1519 THRU E-1765; CE-862 THRU CE-928; CJ-150 THRU CJ-155; D-10248 THRU
D-10353; EA-6 THRU EA-158
(Configuration 1)

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REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION	INSTL ZONE	USABLE ON CODE
24-30-03 (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CR24	1N4007	DIODE-BATTERY MASTER RELAY (SUPERSEDED BY 132408-22)	222	1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CR25	1N4007	DIODE-BATTERY MASTER (SUPERSEDED BY 132408-22)	222	1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	3
F1	FLLB	LIMITER-ELECTRIC, ALTERNATOR OUTPUT	222	1
F15	AGC5	FUSE-AMMETER	222	1
F16	AGC5	FUSE-AMMETER	222	1
F2	FLLA	LIMITER-ELECTRICAL BUS	222	1
F26	AGC5	FUSE-START ANNUNCIATOR (OPTL)	222	2
F3	FLLA	LIMITER-AVIONICS BUS	222	1
F31	AGC5	FUSE-ALTERNATOR AUXILIARY OUTPUT	410	1
GS3	131270-3	GROUND STUD-FIREWALL	221	1
GS4	AN3-5A	GROUND STUD-LOWER FIREWALL	222	1
G18	642056A2	ALTERNATOR, 100 AMP(W/ CLUTCH)(ALTN FOR ALV9407)	410	1
G18	641668	ALTERNATOR, 50 AMP (ALTN FOR ALT9422)	410	1
G18	ALT9422	ALTERNATOR, 50 AMP (ALTN FOR 641668)	410	1
G18	642056	ALTERNATOR, 100 AMP (WITHOUT CLUTCH)	410	1
G18	642056A2	ALTERNATOR, 100 AMP (WITH CLUTCH)	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-SHUNT, ELECTRIC 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	222	1
XF15	4532	FUSEHOLDER-AMMETER/CLOCK	222	1
XF2	FSH	LIMITER BASE-ELECTRICAL BUS	222	1
XF26	60-369025-2	FUSEHOLDER-START ANNUNCIATOR LIGHT	222	2
XF3	FSH	LIMITER BASE-AVIONICS BUS	222	1

BEECH BONANZA WIRING DIAGRAM MANUAL



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BEECH BONANZA WIRING DIAGRAM MANUAL

			USABLE	
REFERENCE			INSTL	ON
DESIGNATOR	PART NUMBER	DESCRIPTION	ZONE	CODE
24-30-03				
(Configuration 1)				
XF31	HDJ-A	FUSEHOLDER-ALTERNATOR AUXILIARY OUTPUT (ALTN FOR HHJ-A)	410	1
XF31	HHJ-A	FUSEHOLDER-ALTERNATOR AUXILIARY OUTPUT (ALTN FOR HDJ-A)	410	1

NOTE

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

CODES OF EFFECTIVITY

1. E-1519 THRU E-1765; CE-862 THRU CE-928; CJ-150 THRU CJ-155; D-10248 THRU D-10353; EA-6 THRU EA-158 (PRIOR TO INSTALLATION OF KIT 55-3025-1S)
2. CE-919, CE-923, CE-925 AND CE-927 (PRIOR TO INSTALLATION OF KIT 55-3025-1S)
3. E-1519 THRU E-1765; CE-862 THRU CE-928; D-10248 THRU D-10353; EA-6 THRU EA-158 (PRIOR TO INSTALLATION OF KIT 55-3025-1S)

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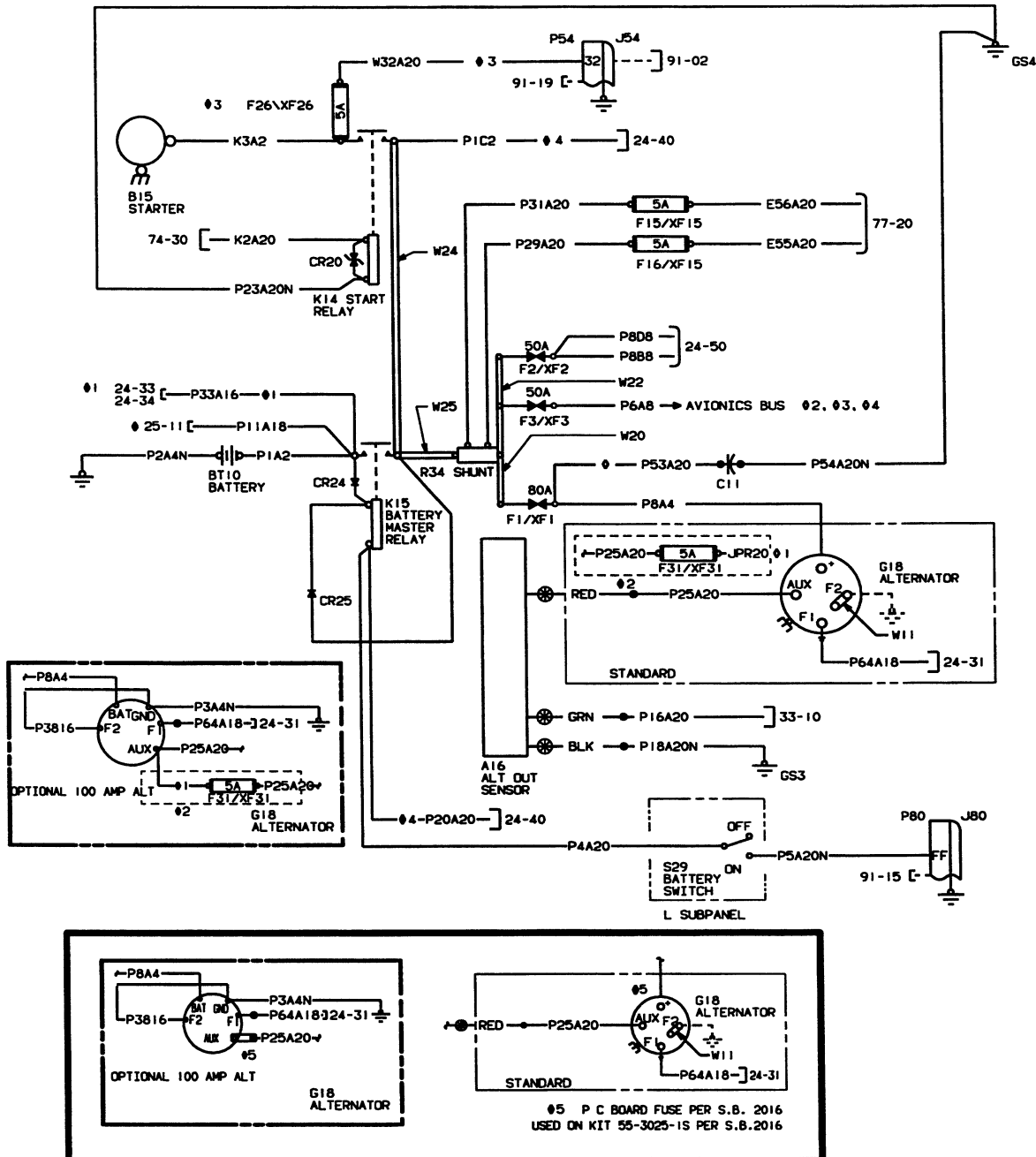
ALTERNATOR (AFTER INSTALLATION OF KIT 55-3025-1S)

(Configuration 2)

**E-1519 THRU E-1765; CE-862 THRU CE-928; CJ-150 THRU CJ-155; D-10248 THRU D-10353; EA-6 THRU
EA-158**

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BEECH BONANZA WIRING DIAGRAM MANUAL



- 04 USED ON ACFT WITH EXTERNAL POWER OPTION
- 03 USED ON ACFT CE-919, CE-923, CE-925 & CE-927 ONLY
- 02 WIRE AS SHOWN EA-158 ONLY
- 01 ON ACFT EA-6 & AFT NOT USED
- ON ACFT HAVING OPTIONAL CONTROL WHEEL CLOCK INSTALLED, REF DIAGRAM 25-12 REPLACES REF DIAGRAM 25-11.
- 01 WIRE LENGTH MUST BE KEPT LESS THAN 3-INCHES.
- 0 WIRE LENGTH MUST BE KEPT LESS THAN 6-INCHES.

- 02 REFER TO APPLICABLE AVIONICS DIAG FOR MODE OF CONNECTION.
- 03 WHEN OPTIONAL DUAL NAV IS USED REFER TO DIAG 24-51.
- 04 WHEN OPTIONAL SINGLE NAV IS USED REFER TO DIAG 24-52.

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ALTERNATOR (AFTER INSTALLATION OF KIT 55-3025-1S)
E-1519 THRU E-1765; CE-862 THRU CE-928; CJ-150 THRU CJ-155; D-10248 THRU
D-10353; EA-6 THRU EA-158
(Configuration 2)

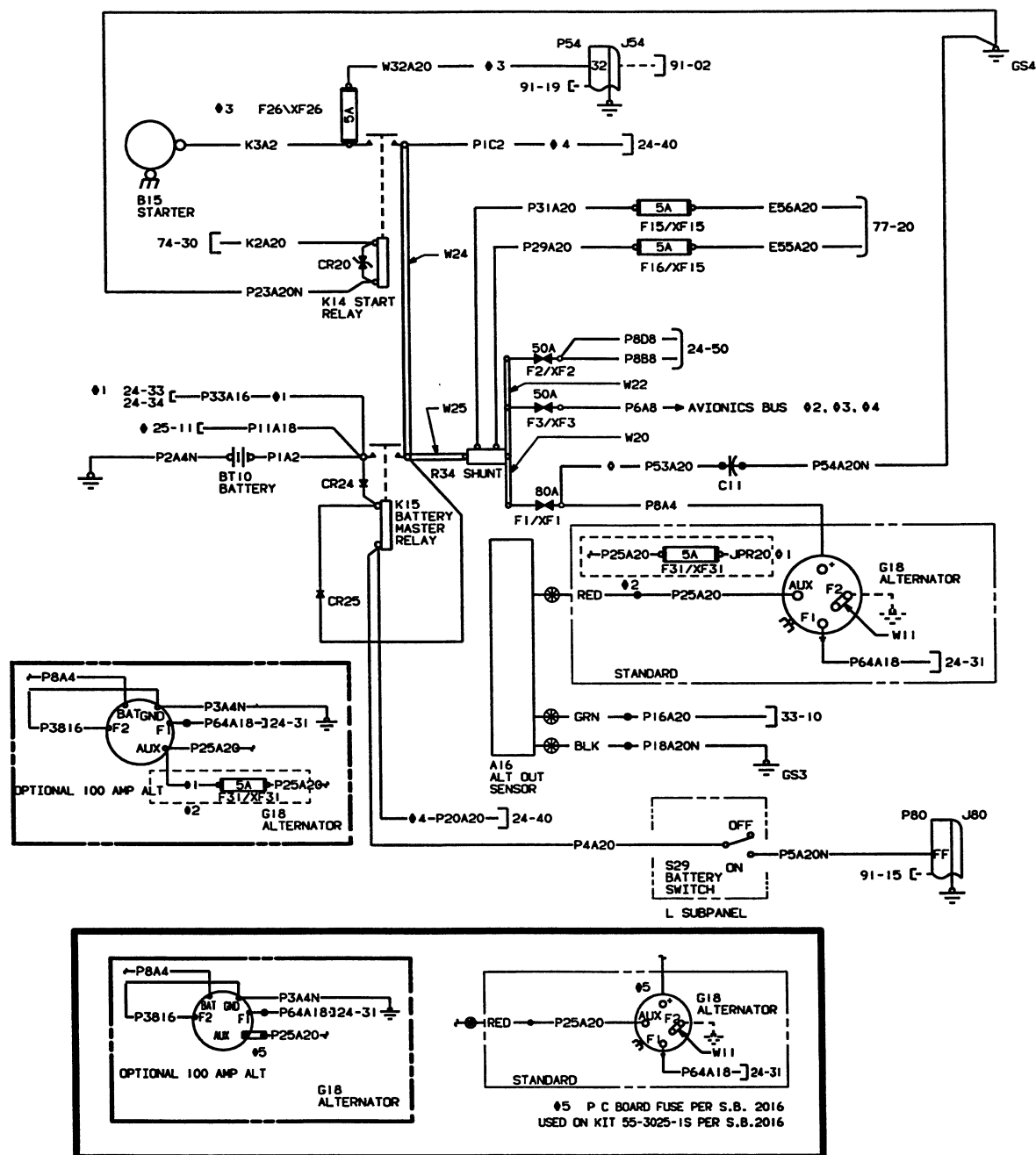
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REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION	INSTL ZONE	USABLE ON CODE
24-30-03				
(Configuration 2)				
A16	36-380000-3	SENSOR-ALTERNATOR OUT	222	1
BT10	36-380059-1	BATTERY (ALTN FOR PS12-11)	222	1
BT10	PS12-11	BATTERY (ALTN FOR 36-380059-1)	222	1
B15	MHJ-4003	MOTOR-STARTER (ALTN FOR 637847)	410	1
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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	3
F1	FLLB	LIMITER-ELECTRIC, ALTERNATOR OUTPUT	222	1
F15	AGC5	FUSE-AMMETER	222	1
F16	AGC5	FUSE-AMMETER	222	1
F2	FLLA	LIMITER-ELECTRICAL BUS	222	1
F26	AGC5	FUSE-START ANNUNCIATOR (OPTL)	222	2
F3	FLLA	LIMITER-AVIONICS BUS	222	1
F31	AGC5	FUSE-ALTERNATOR AUXILIARY OUTPUT	410	1
GS3	131270-3	GROUND STUD-FIREWALL	221	1
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XF1	FSH	LIMITER BASE	222	1
XF15	4532	FUSEHOLDER-AMMETER/CLOCK	222	1
XF2	FSH	LIMITER BASE-ELECTRICAL BUS	222	1
XF26	60-369025-2	FUSEHOLDER-START ANNUNCIATOR LIGHT	222	2
XF3	FSH	LIMITER BASE-AVIONICS BUS	222	1

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E-1519 THRU E-1765; CE-862 THRU CE-928; CJ-150 THRU CJ-155; D-10248 THRU D-10353; EA-6 THRU EA-158
(Configuration 2)

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XF31	HHJ-A	FUSEHOLDER-ALTERNATOR AUXILIARY OUTPUT (ALTN FOR HDJ-A)	410	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
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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