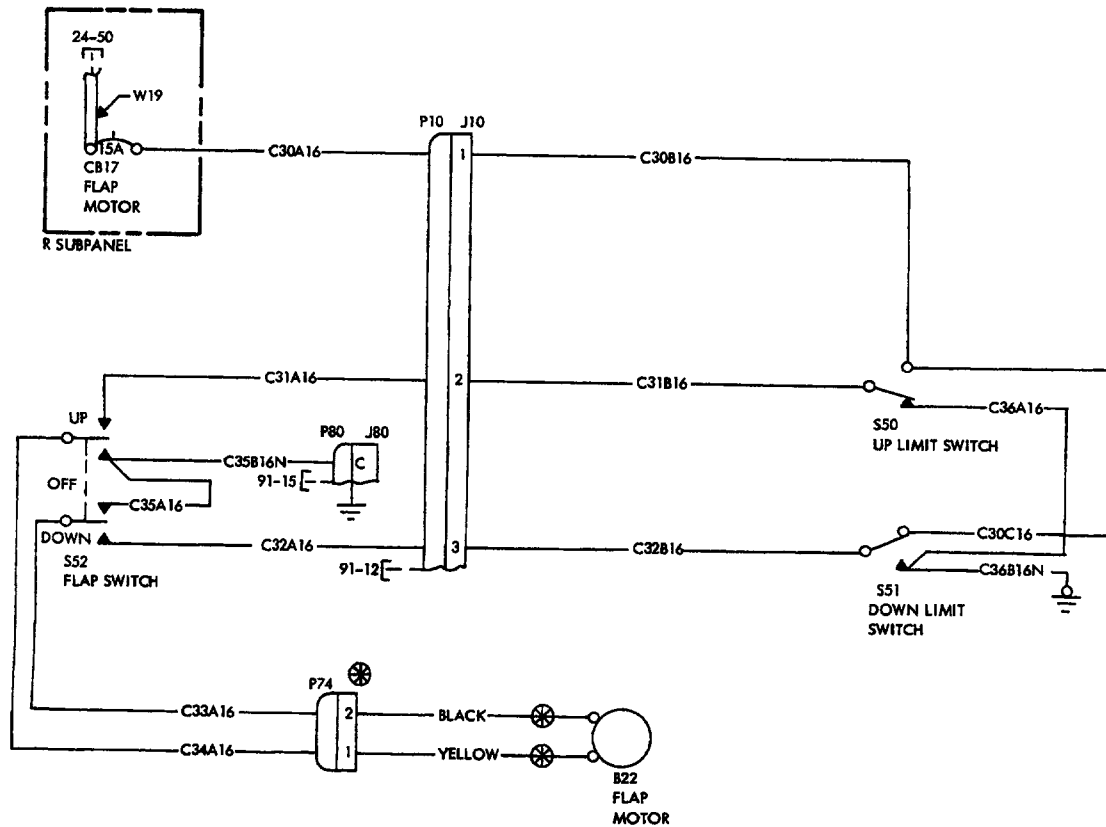


Beechcraft
BONANZA
WIRING DIAGRAM MANUAL

27-50-01

**E-1111, E-1241 THRU E-1370; CE-748, CE-772 THRU CE-815; CJ-149
ONLY; D-10097, D-10120 THRU D-10178**

Beechcraft BONANZA WIRING DIAGRAM MANUAL



FLAPS-MOTOR

Beechcraft

BONANZA

WIRING DIAGRAM MANUAL

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION	USABLE	
			INSTL ZONE	ON CODE
27-50-01				
B22	D160-00-3	MOTOR-FLAP	251	1
CB17	435-215-104	CIRCUIT BREAKER-FLAP MOTOR	240	1
J10A	206037-1	PLUG-LEFT WHEELWELL ACCESS	532	1
J10B	206070-1	STRAIN RELIEF	532	1
J10C	66101-2	SOCKET CONTACT	532	1
J10D	66105-2	SOCKET CONTACT	532	1
J80	204814-1	RECEPTACLE-GROUNDING BLOCK	231	1
P10A	206036-3	RECEPTACLE-LEFT WHEEL WELL ACCESS	532	1
P10B	206070-1	STRAIN RELIEF	532	1
P10C	66103-2	PIN CONTACT	532	1
P10D	66099-2	PIN CONTACT	532	1
P74A	1-480318-0	PLUG-FLAP MOTOR	251	1
P74B	60619-1	SOCKET CONTACT	251	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
S50	MS25026-1	SWITCH-FLAP UP LIMIT	531	1
S51	MS25026-1	SWITCH-FLAP DOWN LIMIT	531	1
S52	MS25126-B1	SWITCH-FLAP CONTROL	240	1
W19	114931-1-10	BUS-SECONDARY	240	1

EFFECTIVITY CODE

1. E-1111, E-1241 THRU E-1370; CE-748, CE-772 THRU CE-815; CJ-149 ONLY; D-10097, D-10120 THRU D-10178

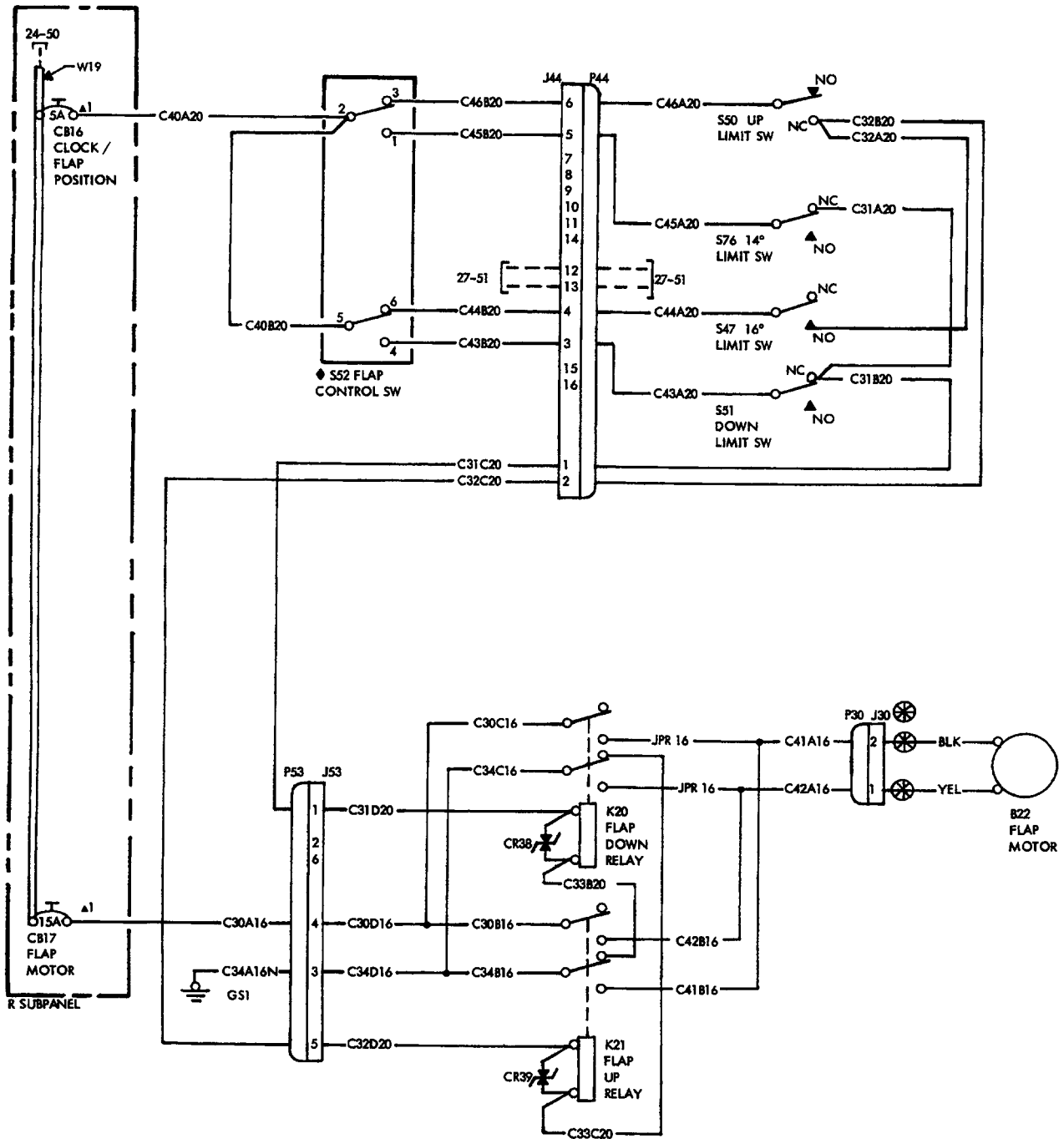
Beechcraft
BONANZA
WIRING DIAGRAM MANUAL

27-50-02

Configuration 1

**E-1371 THRU E-1945, E-1947 THRU E-2103, E-2105 THRU E-2110;
CE-816 THRU CE-1300, CE-1302 THRU CE-1306; CJ-150 THRU CJ-179;
D-10179 AND AFTER; EA-1 THRU EA-319, EA-321 THRU EA-388**

Beechcraft BONANZA WIRING DIAGRAM MANUAL



NOTE: FLAPS SHOWN IN UP POSITION.

◆ 3 POSITION SWITCH CODE:

UP = 2-3, 5-6
15° = 2-1, 5-6
DN = 2-1, 5-4

FLAPS-MOTOR (Configuration 1)

Beechcraft BONANZA WIRING DIAGRAM MANUAL

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION	USABLE	
			INSTL ZONE	ON CODE
27-50-02 (Configuration 1)				
B22	D160-00-3	MOTOR-FLAP	150	1
CB16	435-205-104	CIRCUIT BREAKER-CLOCK/FLAP POSITION	240	2
CB16	7277-2-5	CIRCUIT BREAKER-CLOCK/FLAP POSITION	240	3
CB17	MS24510-15	CIRCUIT BREAKER-CLOCK/FLAP POSITION	240	3
CB17	435-215-104	CIRCUIT BREAKER-CLOCK/FLAP POSITION	240	2
CR38	1.5KE51CA	TRANSZORB-FLAP DOWN RELAY	251	1
CR39	1.5KE51CA	TRANSZORB-FLAP UP RELAY	251	1
GS1	131270-3	GROUND STUD-MAIN SPAR	270	1
J30A	1-480288-0	RECEPTACLE-LIGHT DIMMING TRANSMITTER BRACKET	140	1
J30B	60618-1	PIN CONTACT	140	1
J44A	206036-3	RECEPTACLE-FLAP LIMIT SWITCH	532	1
J44B	66103-2	PIN CONTACT	532	1
J44C	206070-1	STRAIN RELIEF	532	1
J53A	1-480340-0	RECEPTACLE-FLAP RELAY	251	1
J53B	60618-1	PIN CONTACT	150	1
J53C	60620-1	PIN CONTACT	150	1
K20	50-380048-1	RELAY-FLAP DOWN	251	1
K21	50-380048-1	RELAY-FLAP UP	251	1
P30A	1-480287-0	PLUG-LIGHT DIMMING TRANSMITTER BRACKET	140	1
P30B	60617-1	SOCKET CONTACT	140	1
P44A	206037-1	PLUG-FLAP LIMIT SWITCH	532	1
P44B	66105-2	SOCKET CONTACT	532	1
P44C	206070-1	STRAIN RELIEF	532	1
P53A	1-480270-0	PLUG-FLAP RELAY	251	1
P53B	60617-1	SOCKET CONTACT	150	1
P53C	60619-1	SOCKET CONTACT	150	1
S47	MS25026-1	SWITCH-16 DEGREE LIMIT	531	1
S50	MS25026-1	SWITCH-FLAP UP LIMIT	533	1
S51	MS25026-1	SWITCH-FLAP DOWN LIMIT	533	1
S52	8858K82	SWITCH-FLAP CONTROL	240	1
S76	MS25026-1	SWITCH-14 DEGREE LIMIT	531	1
W19	114931-1-10	BUS-SECONDARY	240	1

EFFECTIVITY CODE

1. E-1371 THRU E-1945, E-1947 THRU E-2103, E-2105 THRU E-2110; CE-816 THRU CE-1300, CE-1302 THRU CE-1306; CJ-150 THRU CJ-179; D-10179 AND AFTER; EA-1 THRU EA-319, EA-321 THRU EA-388
2. E-1371 THRU E-1765; CE-816 THRU CE-918, CE-920 THRU CE-928; CJ-150 THRU CJ-155; D-10179 THRU D-10347, D-10349 THRU D-10353; EA-1 THRU EA-158
3. E-1766 THRU E-1945, E-1947 THRU E-2103, E-2105 THRU E-2110; CE-919, CE-929 THRU CE-1300, CE-1302 THRU CE-1306; CJ-156 THRU CJ-179; D-10348, D-10354 AND AFTER; EA-159 THRU EA-319, EA-321 THRU EA-388

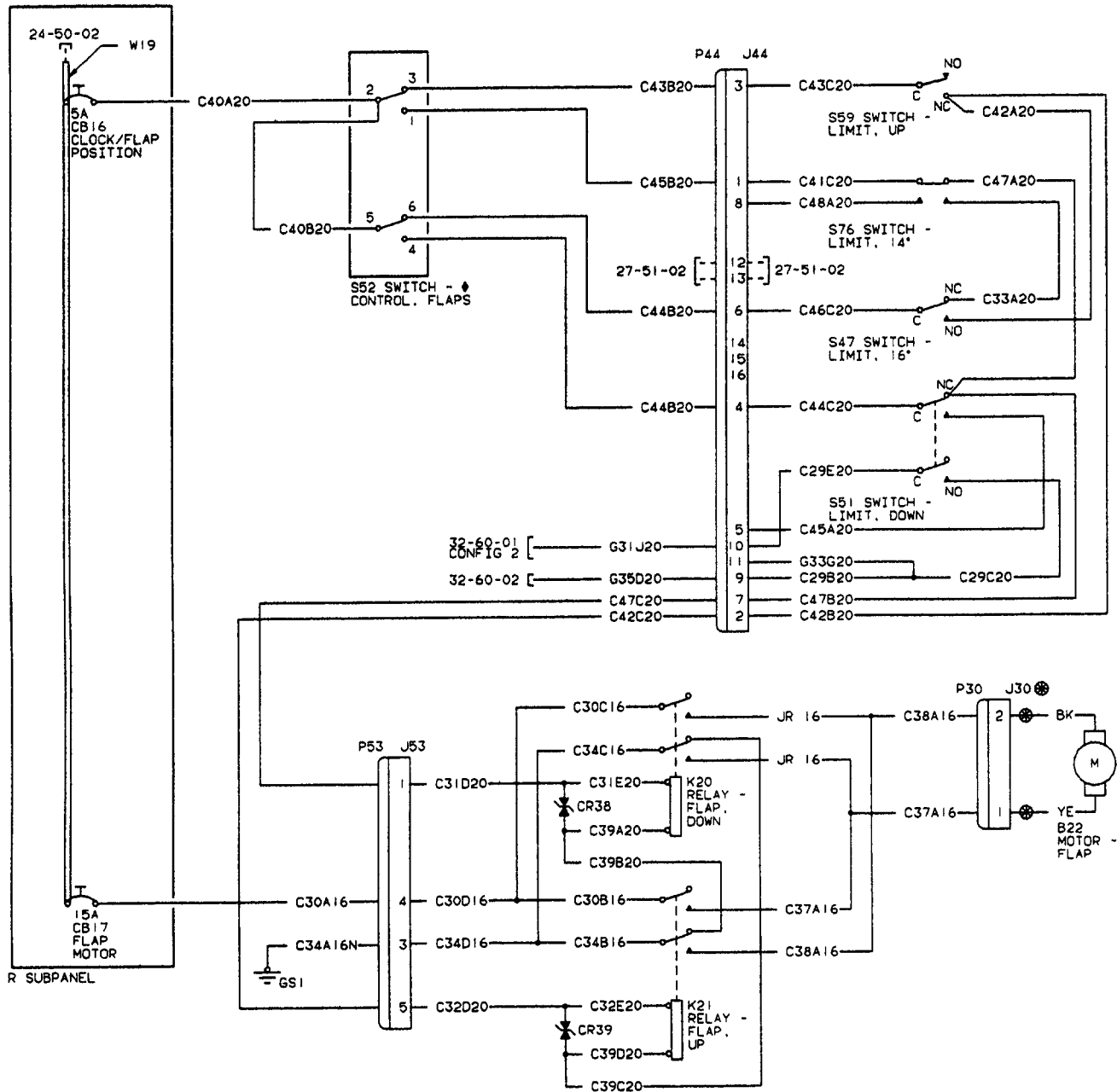
Beechcraft
BONANZA
WIRING DIAGRAM MANUAL

27-50-02

Configuration 2

CE-1301, CE-1307 AND AFTER; CJ-180 AND AFTER

Beechcraft BONANZA WIRING DIAGRAM MANUAL



NOTE: FLAPS SHOWN IN UP POSITION.

◆ 3 POSITION SWITCH CODE
UP 2-3, 5-6
15' 2-1, 5-6
DN 2-1, 5-4

FLAPS-MOTOR (Configuration 2)

Beechcraft BONANZA WIRING DIAGRAM MANUAL

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION	USABLE	
			INSTL ZONE	ON CODE
27-50-02 (Configuration 2)				
B22	D160-00-3	MOTOR-FLAP	150	1
CB16	7277-2-5	CIRCUIT BREAKER-CLOCK/FLAP POSITION	240	1
CB17	MS24510-15	CIRCUIT BREAKER-CLOCK/FLAP POSITION	240	1
CR38	1.5KE51CA	TRANSZORB-FLAP DOWN RELAY	251	1
CR39	1.5KE51CA	TRANSZORB-FLAP UP RELAY	251	1
GS1	131270-3	GROUND STUD-MAIN SPAR	270	1
J30A	1-480288-0	RECEPTACLE-LIGHT DIMMING TRANSMITTER BRACKET	140	1
J30B	60618-1	PIN CONTACT	140	1
J44A	206036-3	RECEPTACLE-FLAP LIMIT SWITCH	532	1
J44B	66103-2	PIN CONTACT	532	1
J44C	206070-1	STRAIN RELIEF	532	1
J53A	1-480340-0	RECEPTACLE-FLAP RELAY	251	1
J53B	60618-1	PIN CONTACT	150	1
J53C	60620-1	PIN CONTACT	150	1
K20	50-380048-1	RELAY-FLAP DOWN	251	1
K21	50-380048-1	RELAY-FLAP UP	251	1
P30A	1-480287-0	PLUG-LIGHT DIMMING TRANSMITTER BRACKET	140	1
P30B	60617-1	SOCKET CONTACT	140	1
P44A	206037-1	PLUG-FLAP LIMIT SWITCH	532	1
P44B	66105-2	SOCKET CONTACT	532	1
P44C	206070-1	STRAIN RELIEF	532	1
P53A	1-480270-0	PLUG-FLAP RELAY	251	1
P53B	60617-1	SOCKET CONTACT	150	1
P53C	60619-1	SOCKET CONTACT	150	1
S47	MS25026-1	SWITCH-16 DEGREE LIMIT	531	1
S51	MS25006-1	SWITCH-FLAP DOWN LIMIT	531	1
S52	8858K82	SWITCH-FLAP CONTROL	240	1
S59	MS25026-1	SWITCH-FLAP UP LIMIT	531	1
S76	BZ-3AT	SWITCH-14 DEGREE FLAP LIMIT	533	1
W19	114931-1-10	BUS-SECONDARY	240	1

EFFECTIVITY CODE

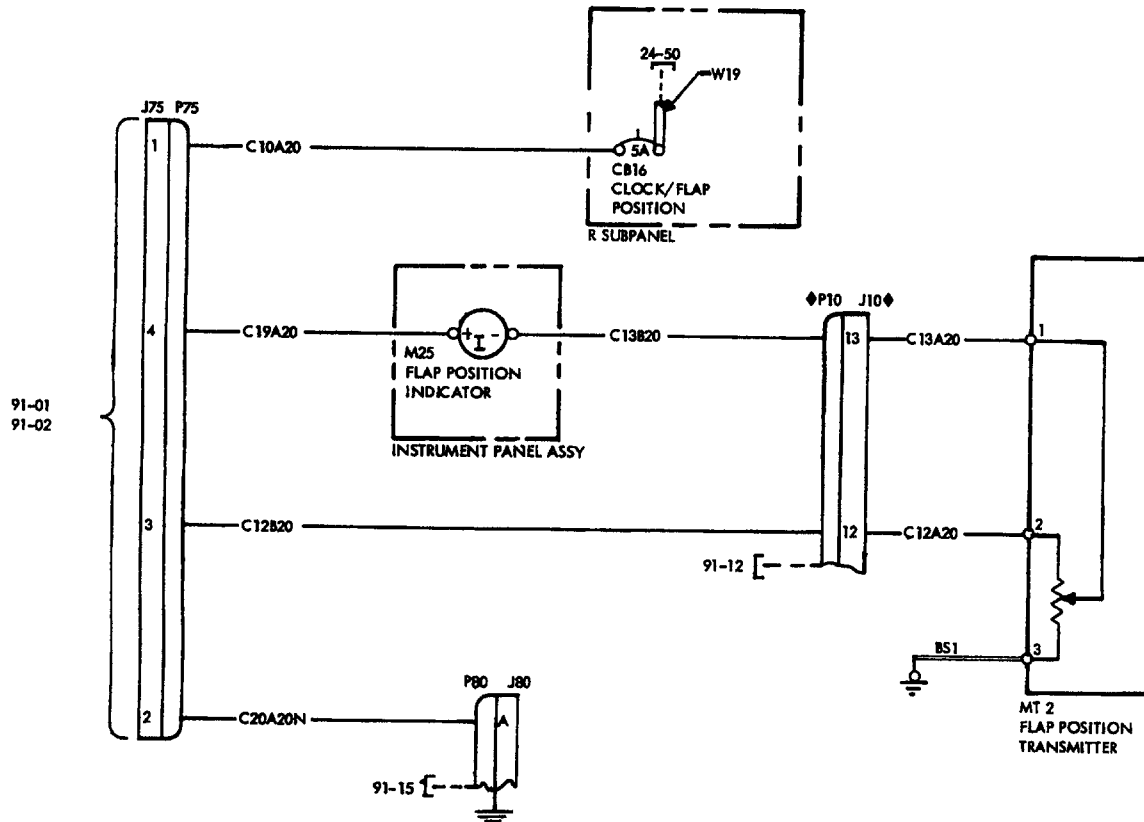
1. CE-1301, CE-1307 AND AFTER; CJ-180 AND AFTER

Beechcraft
BONANZA
WIRING DIAGRAM MANUAL

27-51-01

**E-1111, E-1241 THRU E-1370; CE-748, CE-772 THRU CE-815; D-10097,
D-10120 THRU D-10178; EA-1 ONLY**

Beechcraft BONANZA WIRING DIAGRAM MANUAL



♦ ON AIRCRAFT EA-1 ONLY, RCPT J44 REPLACES PLUG P10, PLUG P44 REPLACES RCPT J10 AND REF DIAG 27-50 REPLACES 91-12.

FLAPS-POSITION INDICATOR

Beechcraft BONANZA WIRING DIAGRAM MANUAL

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION	USABLE	
			INSTL ZONE	ON CODE
27-51-01				
BS1	MS25083-1BA6	BONDING STRAP-FLAP TRANSMITTER	533	1
CB16	435-205-104	CIRCUIT BREAKER-CLOCK/FLAP POSITION	240	1
J10A	206036-3	RECEPTACLE-LEFT WHEELWELL ACCESS	532	1
J10B	206070-1	STRAIN RELIEF	532	1
J10C	66103-2	PIN CONTACT	532	1
J10D	66099-2	PIN CONTACT	532	1
J75A	1-480426-0	RECEPTACLE-FLAP POSITION INDICATOR	231	1
J75B	60618-1	PIN CONTACT	231	1
J80	204814-1	RECEPTACLE-GROUNDING BLOCK	231	1
MT2	58-380009-1	TRANSMITTER-FLAP POSITION	533	1
M25	58-384001-35	INDICATOR-FLAP POSITION	250	1
P10A	206037-1	PLUG-LEFT WHEELWELL ACCESS	532	1
P10B	66101-2	SOCKET CONTACT	532	1
P10C	66105-2	SOCKET CONTACT	532	1
P10D	206070-1	STRAIN RELIEF CLAMP	532	1
P75A	1-480424-0	PLUG-FLAP INDICATOR	231	1
P75B	60617-1	SOCKET CONTACT	231	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
W19	114931-1-10	BUS-SECONDARY	240	1

EFFECTIVITY CODE

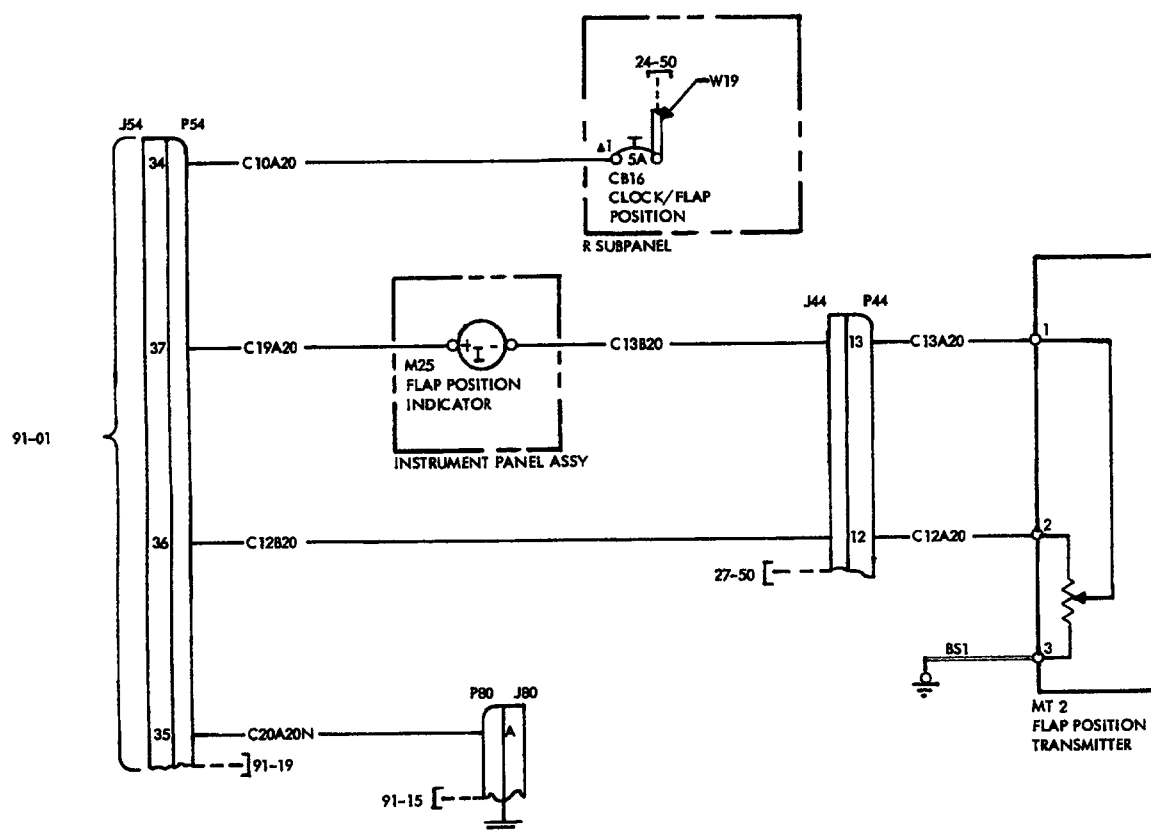
1. E-1111, E-1241 THRU E-1370; CE-748, CE-772 THRU CE-815; D-10097, D-10120 THRU D-10178;
EA-1 ONLY

Beechcraft
BONANZA
WIRING DIAGRAM MANUAL

27-51-02

**E-1371 THRU E-1945, E-1947 THRU E-2103, E-2105 THRU E-2110;
CE-816 AND AFTER; CJ-149 AND AFTER; D-10179 AND AFTER; EA-2
THRU EA-319, EA-321 THRU EA-388**

Beechcraft BONANZA WIRING DIAGRAM MANUAL



FLAPS-POSITION INDICATOR

Beechcraft

BONANZA

WIRING DIAGRAM MANUAL

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION	USABLE	
			INSTL ZONE	ON CODE
27-51-02				
BS1	MS25083-1BA6	BONDING STRAP-FLAP TRANSMITTER	533	1
CB16	435-205-104	CIRCUIT BREAKER-CLOCK/FLAP POSITION	240	2
CB16	7277-2-5	CIRCUIT BREAKER-CLOCK/FLAP POSITION	240	3
J44A	206036-3	RECEPTACLE-FLAP LIMIT SWITCH	532	1
J44B	66103-2	PIN CONTACT	532	1
J44C	206070-1	STRAIN RELIEF	532	1
J54A	206151-2	RECEPTACLE-JUNCTION BOX ASSEMBLY	231	1
J54B	206138-1	STRAIN RELIEF	231	1
J54C	66103-2	PIN CONTACT	231	1
J80	204814-1	RECEPTACLE-GROUNDING BLOCK	231	1
MT2	58-380009-1	TRANSMITTER-FLAP POSITION	533	1
M25	58-384001-35	INDICATOR-FLAP POSITION	250	1
P44A	206037-1	PLUG-FLAP LIMIT SWITCH	532	1
P44B	66105-2	SOCKET CONTACT	532	1
P44C	206070-1	STRAIN RELIEF	532	1
P54A	206150-1	PLUG-JUNCTION BOX ASSEMBLY	231	1
P54B	206138-1	STRAIN RELIEF	231	1
P54C	66105-2	SOCKET CONTACT	231	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
W19	114931-1-10	BUS-SECONDARY	240	1

EFFECTIVITY CODE

1. E-1371 THRU E-1945, E-1947 THRU E-2103, E-2105 THRU E-2110; CE-816 AND AFTER; CJ-149 AND AFTER; D-10179 AND AFTER; EA-2 THRU EA-319, EA-321 THRU EA-388
2. E-1371 THRU E-1765; CE-816 THRU CE-918, CE-920 THRU CE-928; CJ-149 THRU CJ-155; D-10179 THRU D-10347, D-10349 THRU D-10353; EA-2 THRU EA-158
3. E-1766 THRU E-1945, E-1947 THRU E-2103, E-2105 THRU E-2110; CE-919, CE-929 AND AFTER; CJ-156 AND AFTER; D-10348, D-10354 AND AFTER; EA-159 THRU EA-319, EA-321 THRU EA-388