









RIVET SYMBOL CODE		REVISIONS	
INSTL. STD. PER BACS	FLUID TIGHT, PER BAC 5047	DATE	APPROVAL
BASIC CODE	DIA DASH NO.		
INCLUDED = FLUID TIGHT	HFB HEAD LOC		
OPEN=STANDARD	N=NEAR SIDE		
	F=FAIR SIDE		
DIMPLE /CSK INFO	SPOT WELD OPT		
B=DIMPLE	LENGTH DASH NO.		
D=NO. SH DIMPLED			
C=CSK INSTRUCTUR			
2 LINES: TOP=MFD HD, BOTTOM=DRIVEN HD			
NOTE: PROTRUDING HD RIVETS DRIVEN FLUSH			
D=C INFO (2 LINES) APPLIES TO DRIVEN HD ONLY			
* HOLE LOCATION FOR X DIAMETER RIVET			

- 64-31540-1 (REF.)  
OR MI12  
TWO INPUT GATE CARD
- 64-31519-1 (REF.)  
ACCUMULATOR INPUTS  
EXCESS TRAVEL CARD
- 64-31518-1 (REF.)  
ACCUMULATOR OUTPUTS CARD
- 64-31517-1 (REF.)  
COMMAND MATRIX CARD
- 64-31532-1 (REF.)  
RAMP GEN. ASSY.

**SCHEMATIC  
10 CHANNEL RAMP GEN.**

TC/24 64-31527-1

FORM PUNCH, STRAIGHTEN & FIT METAL PARTS PER BACS300  
MATERIAL SUBSTITUTION & EQUIVALENTS PER BAC 5005  
BOLT & NUT INSTALLATION PER BAC 5009  
PART MARKING PER BAC 5307  
SEE BACS 5007 FOR SURFACE FINISHES  
FOR FINISH CODE SEE DOCUMENT 01-5049

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: ANGLES - DECIMALS - RIVET & BOLT EDGE MARGINS ± .05 SHEET METAL CORNER RADIUS ROUNDED PARTS ONLY INTERNAL .125 ± .005 EXTERNAL .22 ± .005 BEND RADIUS: 1.00 ON .03 & .04 2.00 ON .04 & GREATER

USED ON	DRAWN	CHECKED	DATE
747	HOWERY	W/R CONE	9-15-64
FATIGUE			
STRESS			
ENDOR	GR OLBRECHTS	8-18-63	
GROUP			
EDTI			

THE **BOEING** COMPANY  
COMMERCIAL AIRPLANE DIVISION RENTON, WASH.

COPY IDENT. NO. 21765  
SCALE NONE

**64-31599**

3424

10 CHANNEL RAMP GEN  
64-31527-1