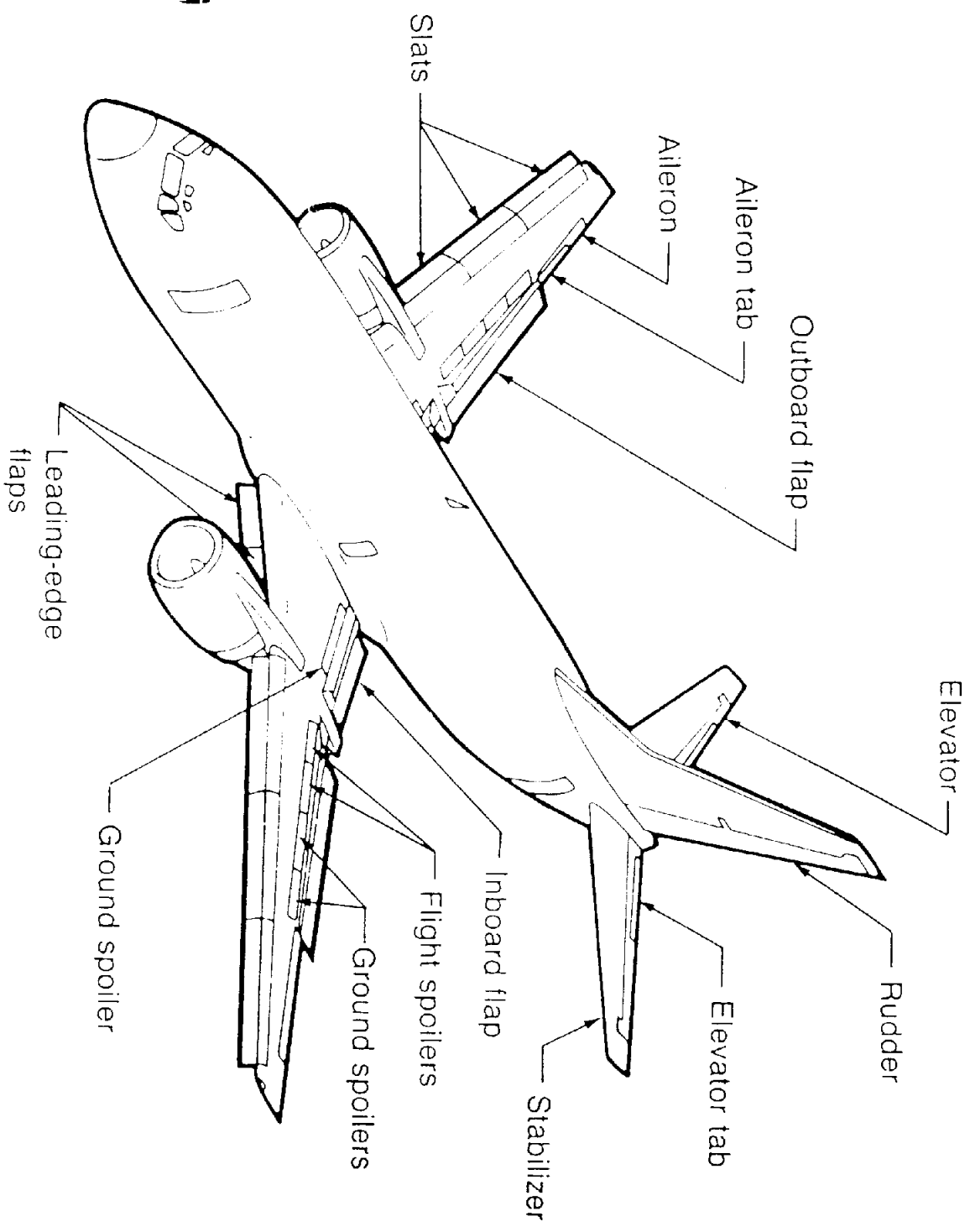


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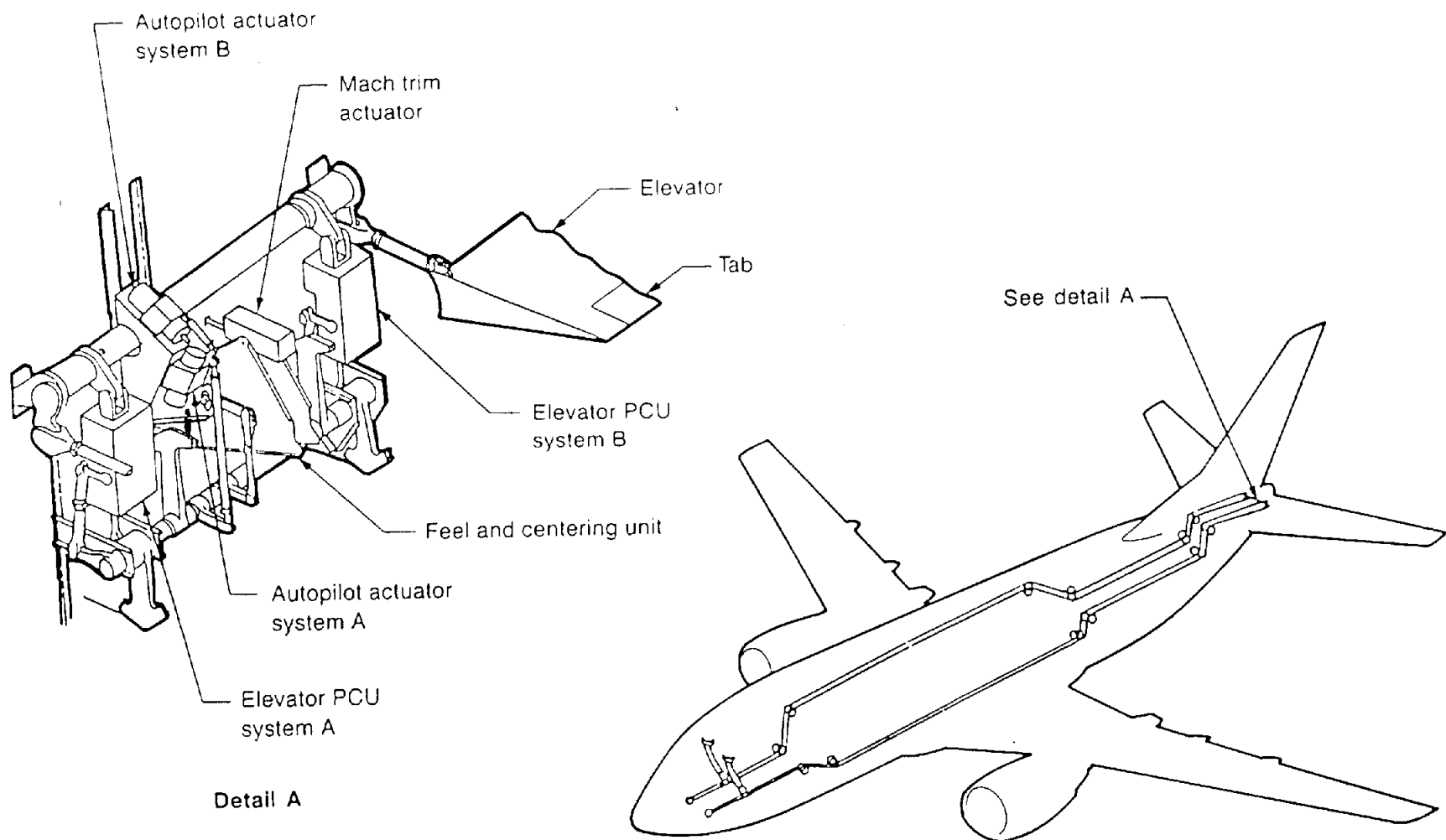
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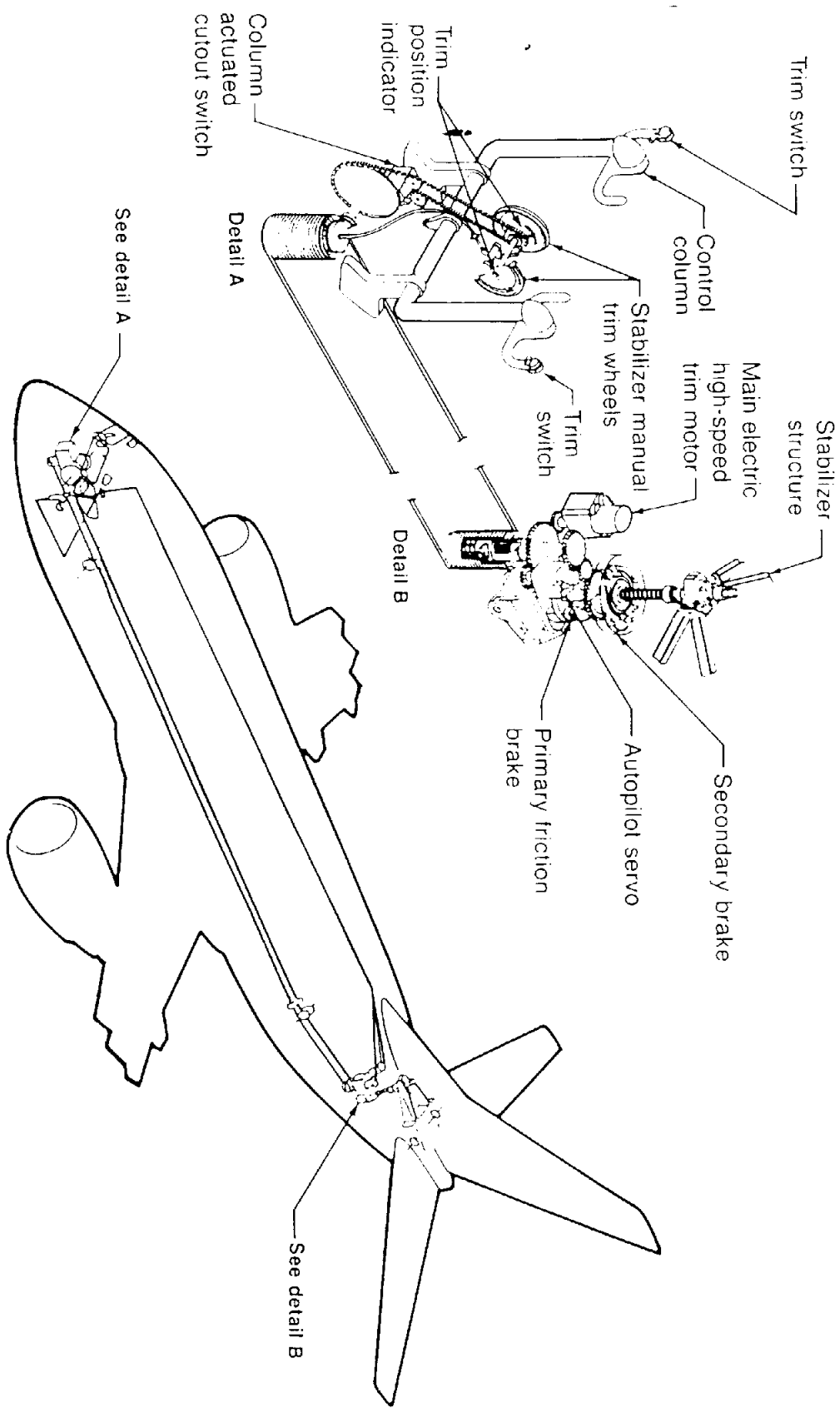
**NATIONAL TRANSPORTATION SAFETY BOARD
WASHINGTON, D.C.**

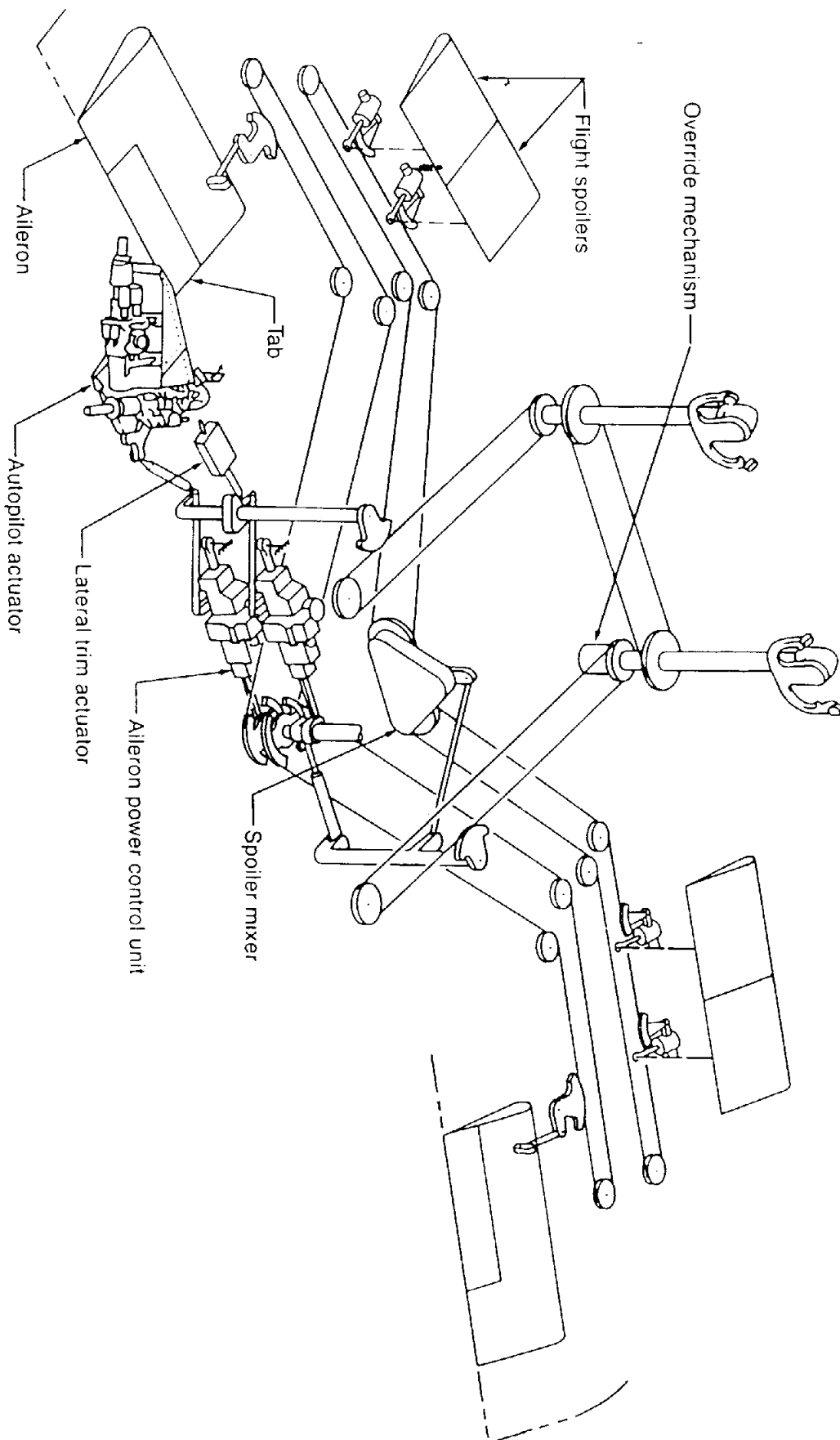
**BOEING PRESENTATION MATERIALS
MR. TURNER**

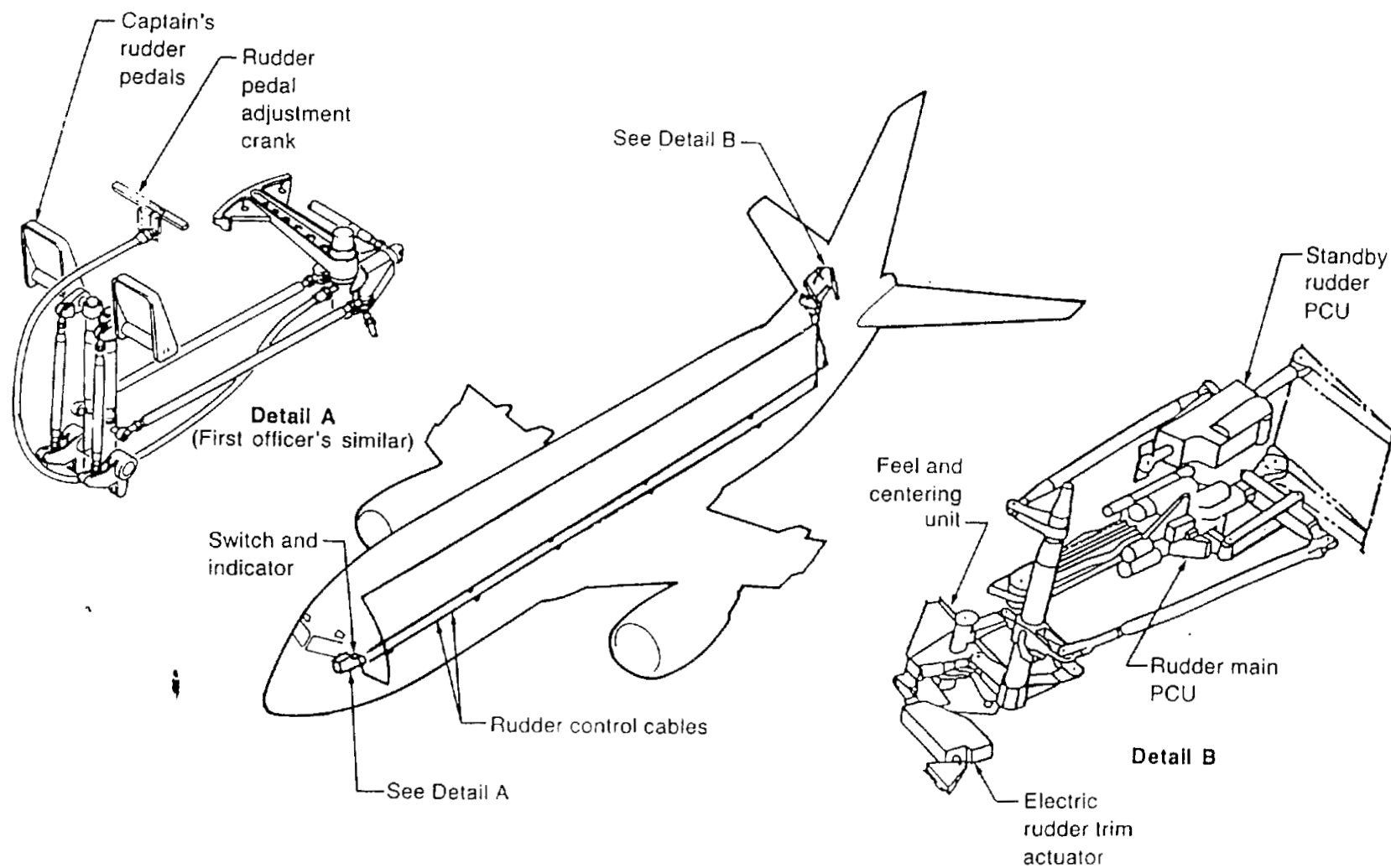


Flight Controls

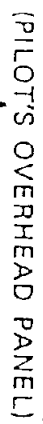




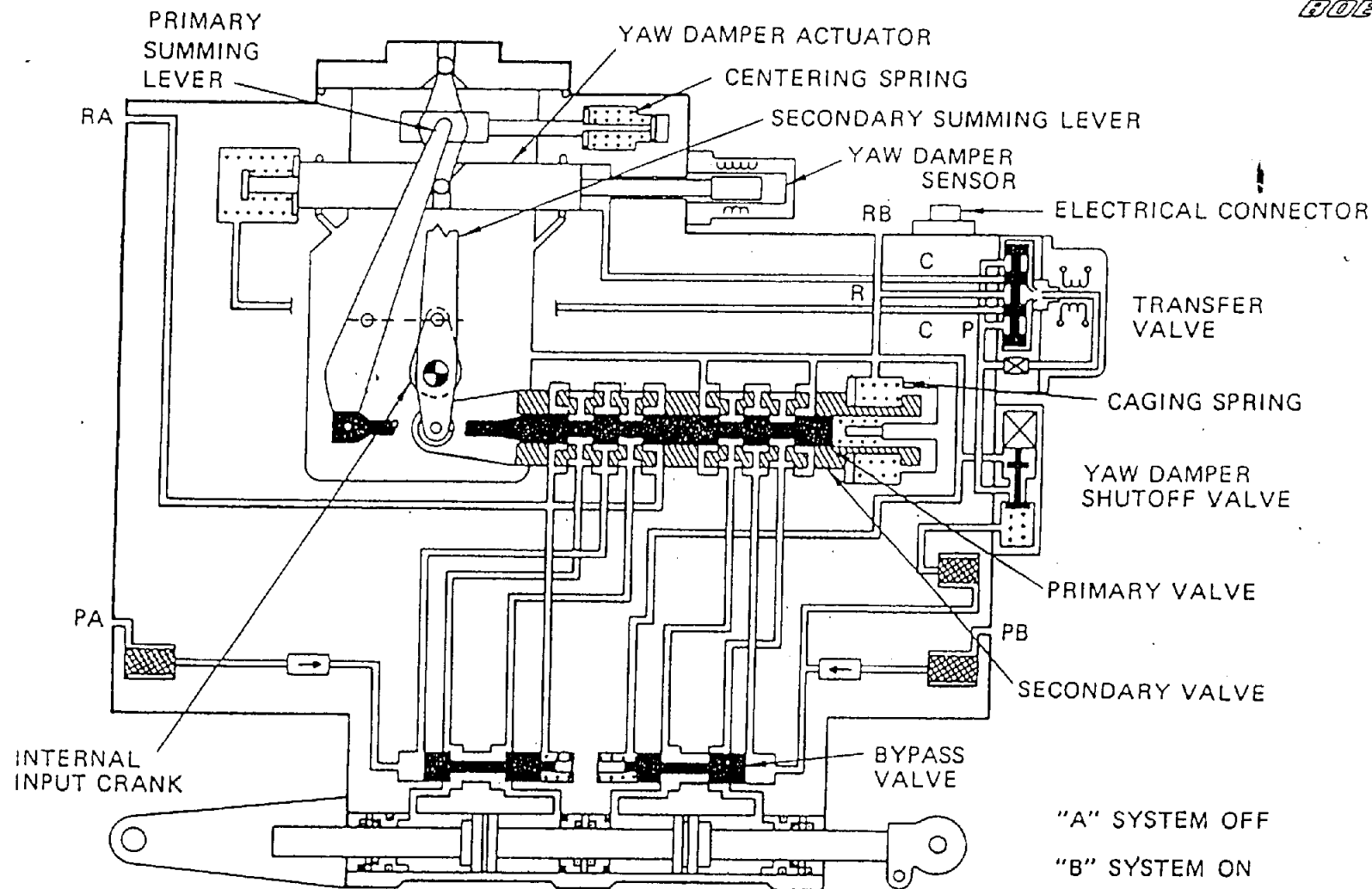


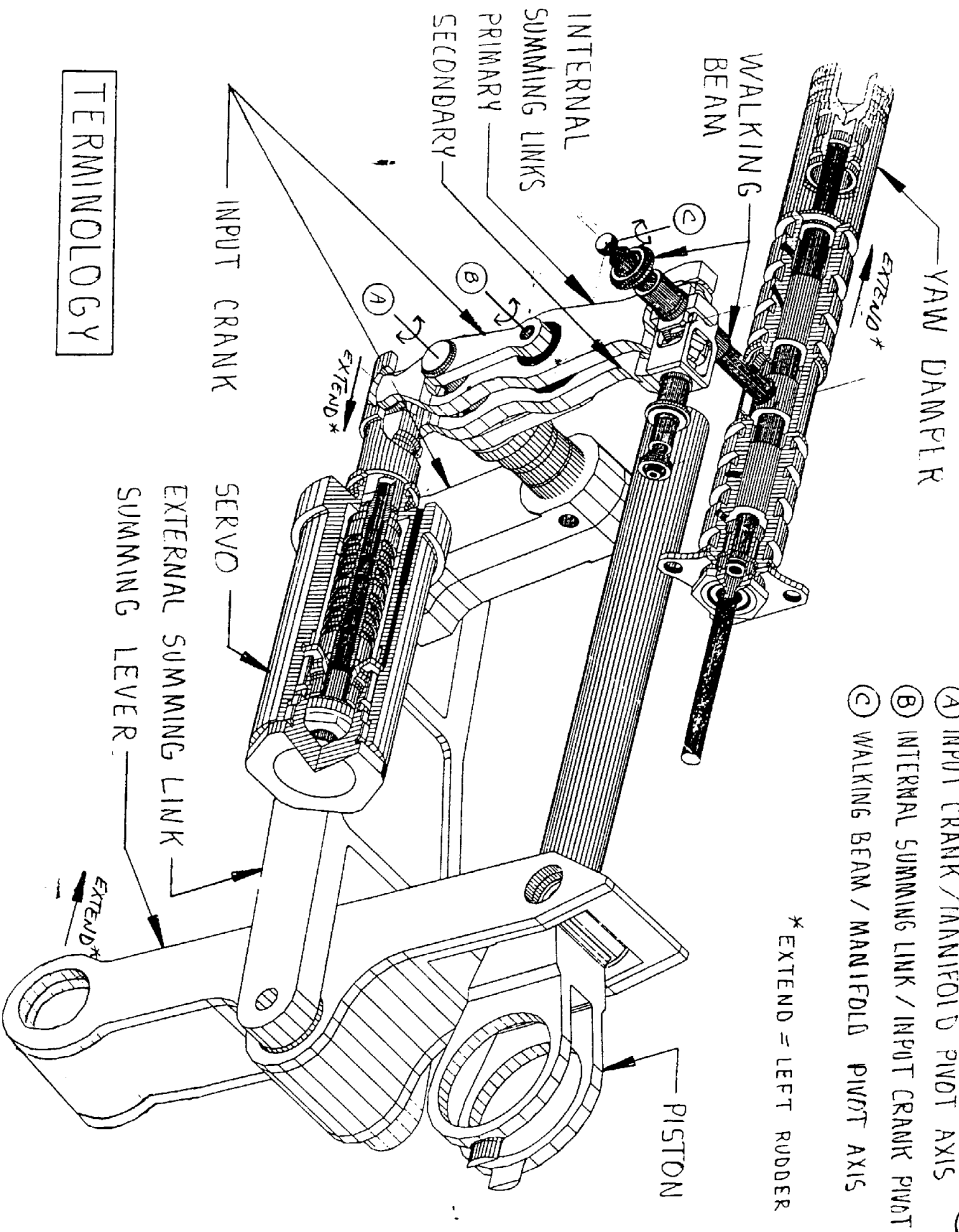


Directional Trim and Control System

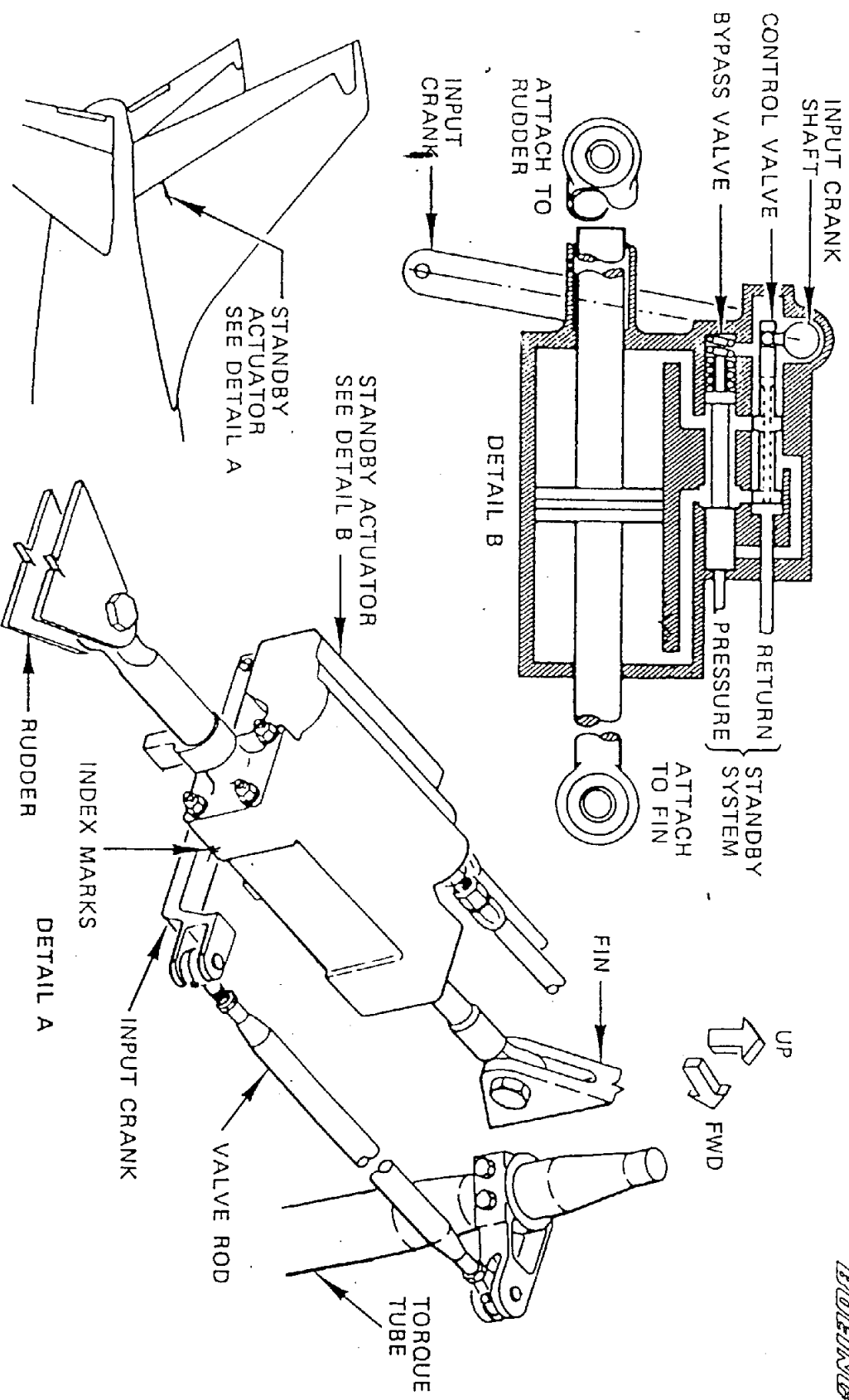


BOEING





BOEING



01

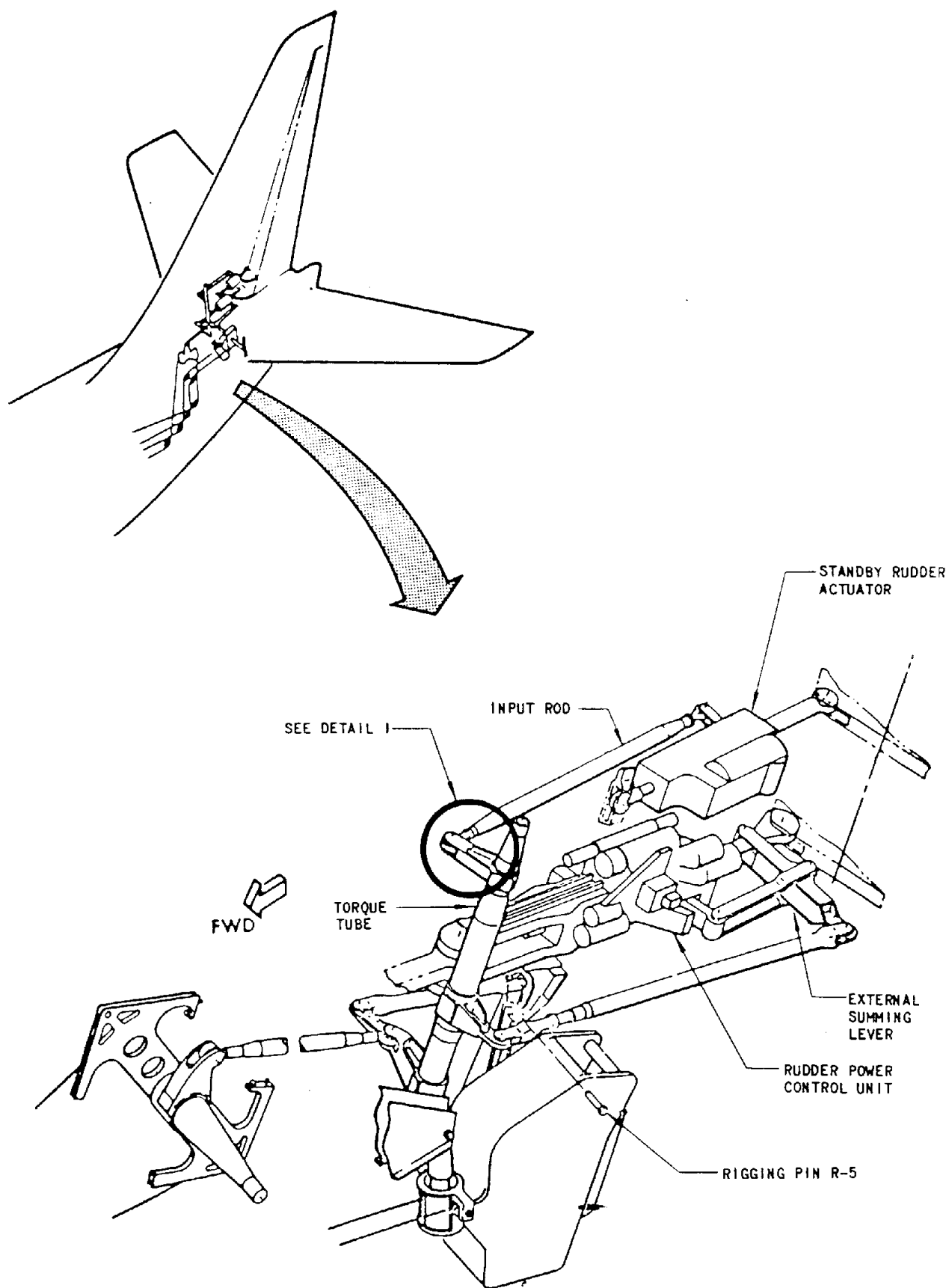


FIGURE 1. RUDDER AUXILIARY POWER CONTROL UNIT SHEAR PIN REPLACEMENT

Jun 24/68

27-1013

5

How big is a Micron?

2,000 times size

Human Hair

.0035 Inch

.0889 mm

.0001 Inch

.00254 mm

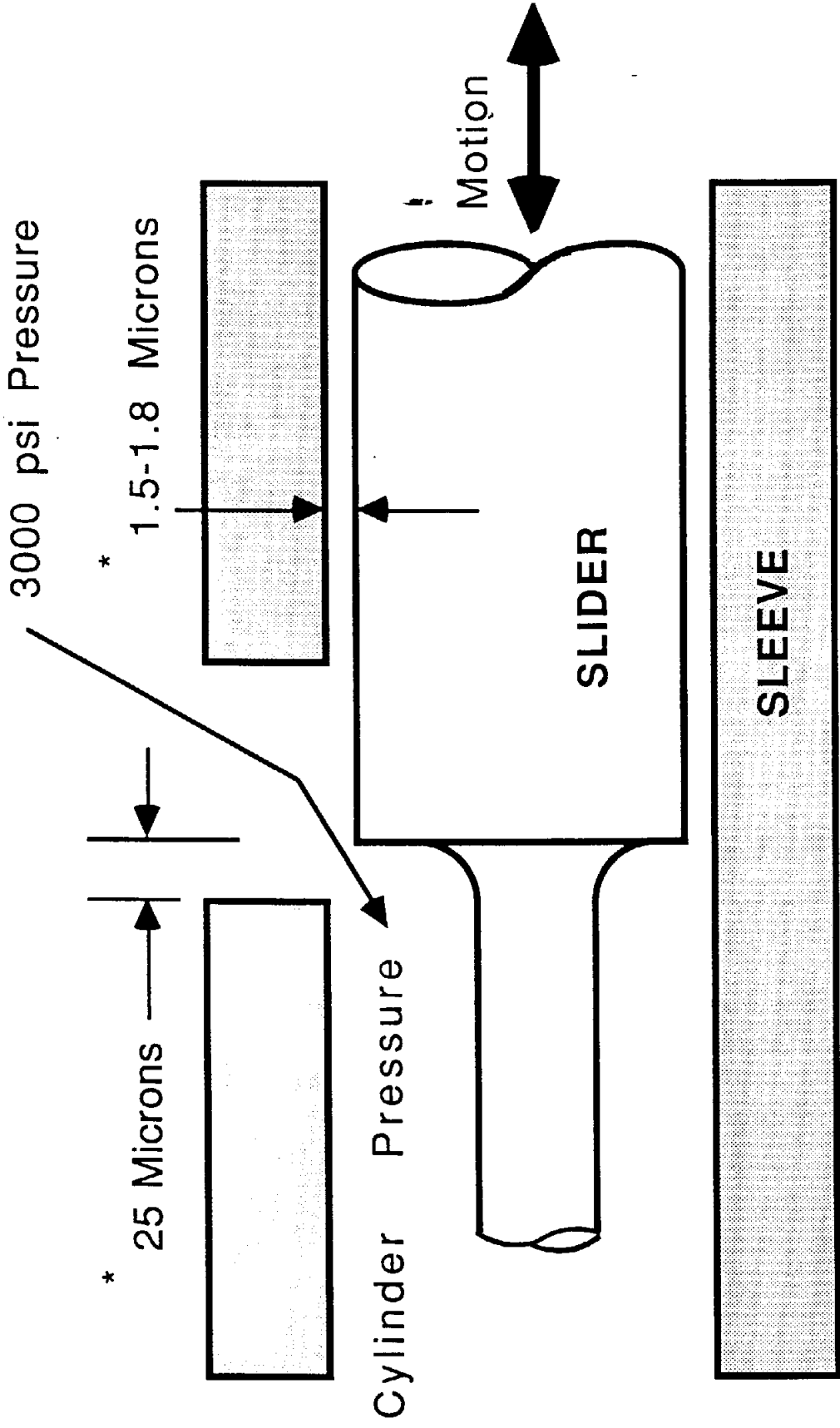
Micron

.000039 Inch

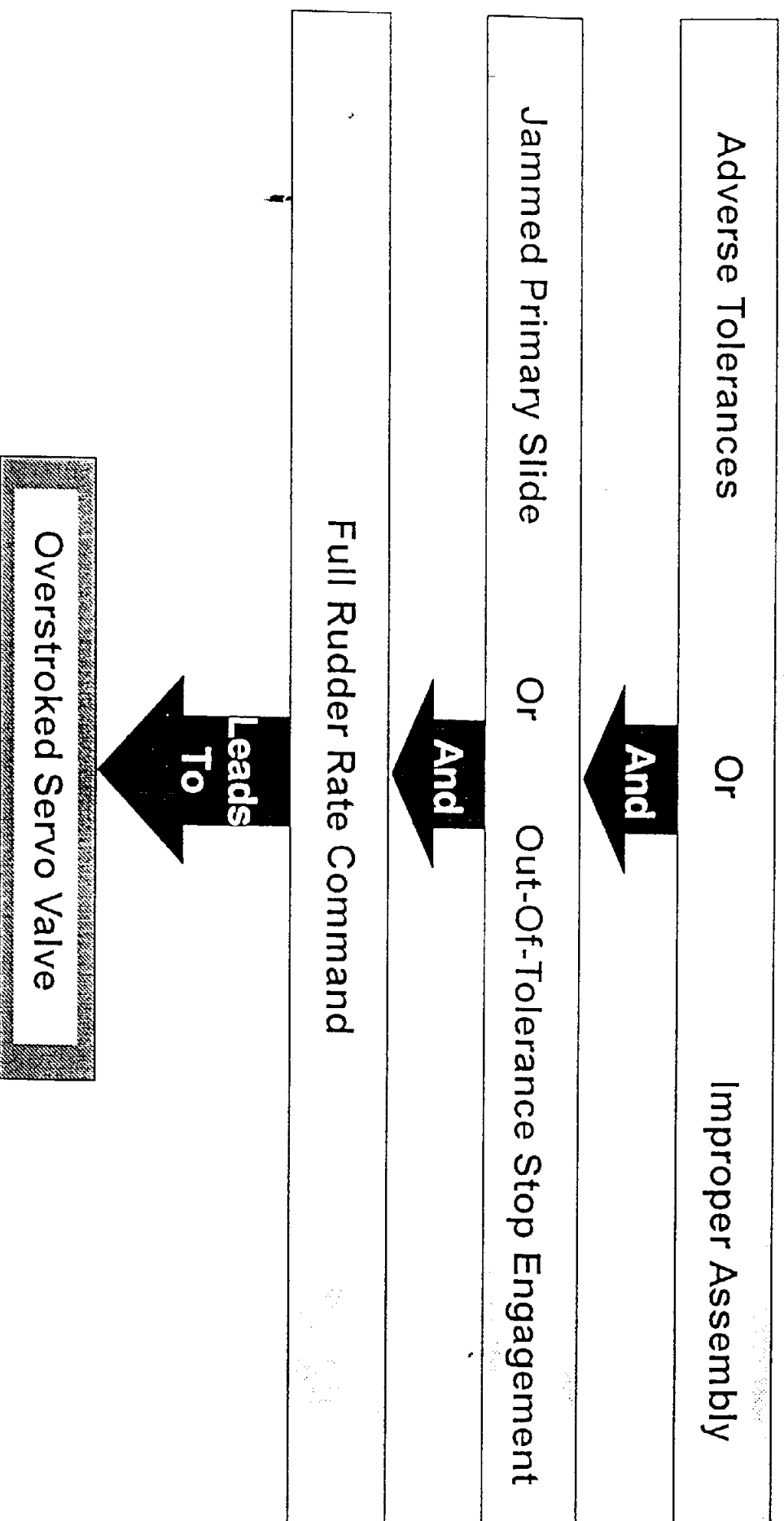
.001 mm

.001 Inch

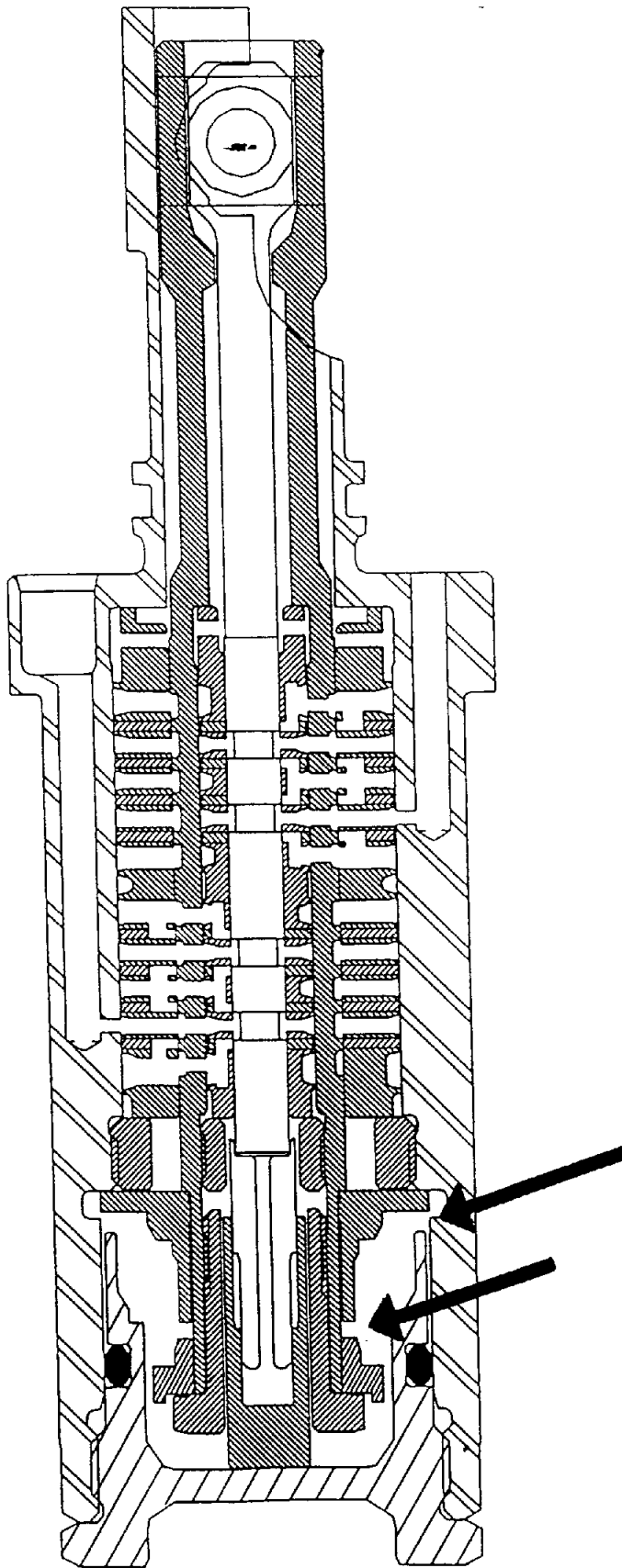
.0254 mm



* scale exaggerated



Conditions Necessary For Dual Servo Valve Overstroking



727 RUDDER SYSTEM DESCRIPTION

