

Chapter 7 SYSTEMS

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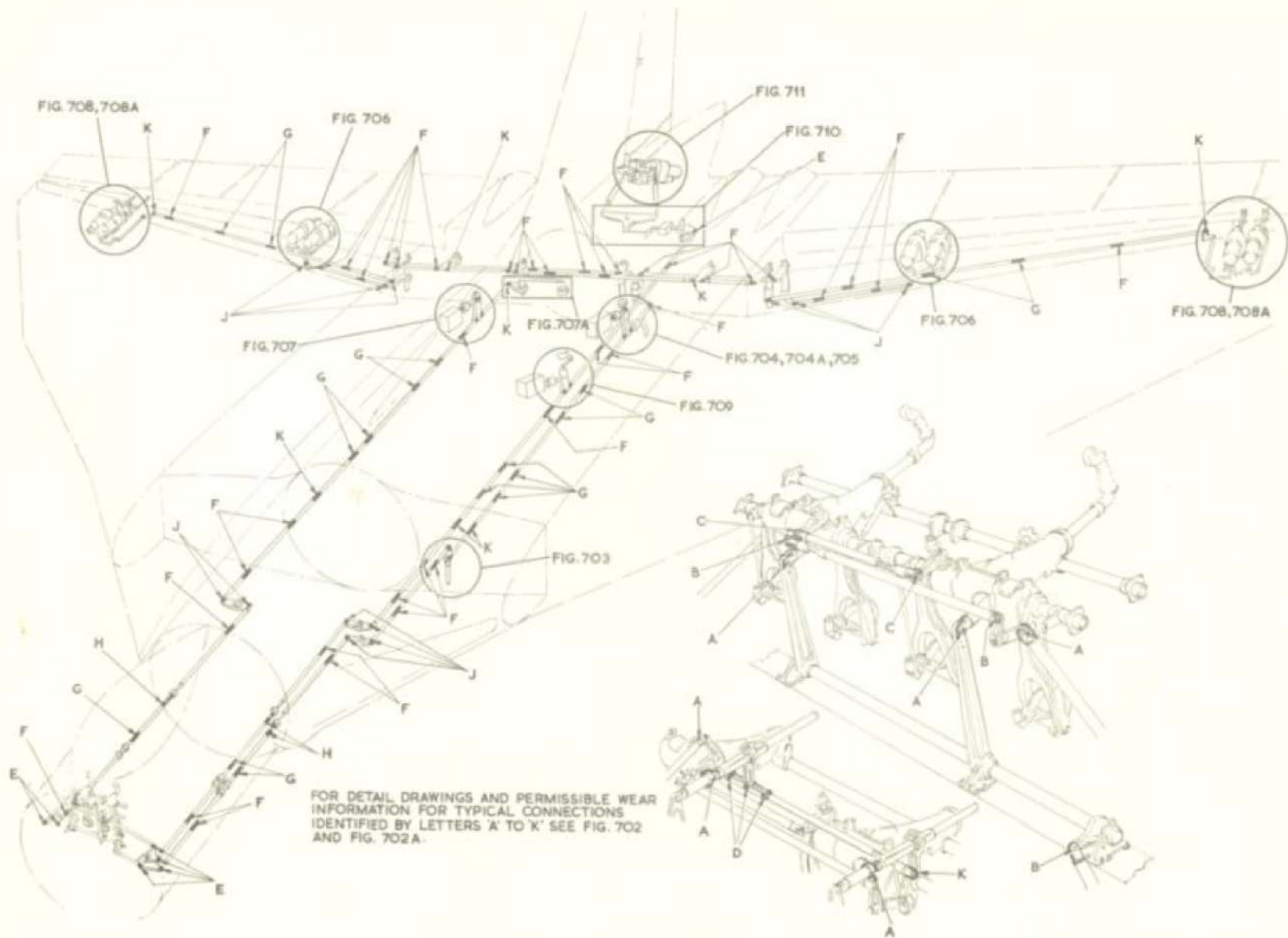


Fig. 701. Flying controls key diagram
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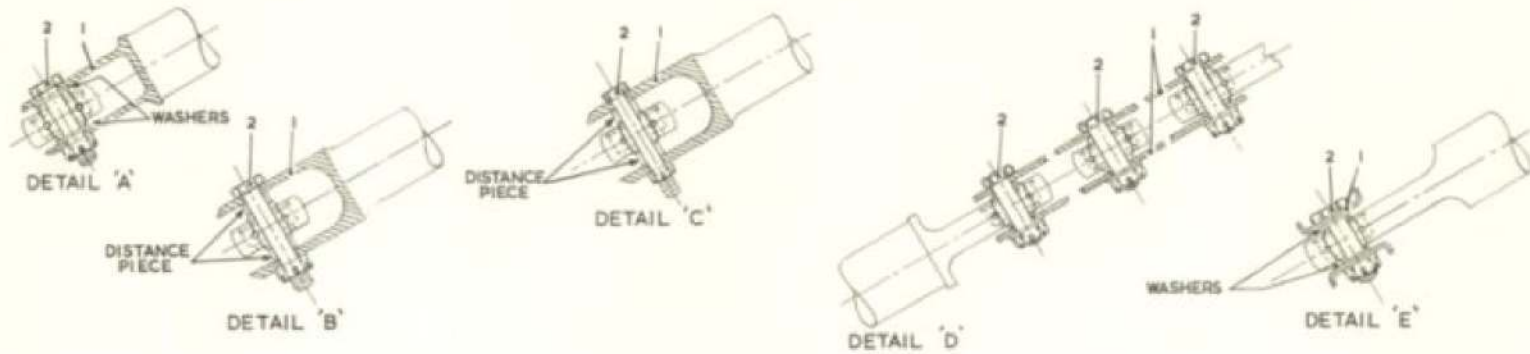


Fig.702. Typical connections

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	FORK-END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
B	1	FORK-END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
C	1	FORK-END (bore)	$\frac{0.2505}{0.2495}$	0.25075	0.25125	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.248			
D	1	LINK PLATE (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31125}{0.31175}$	0.31175	0.3105			
E	1	LEVER (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			

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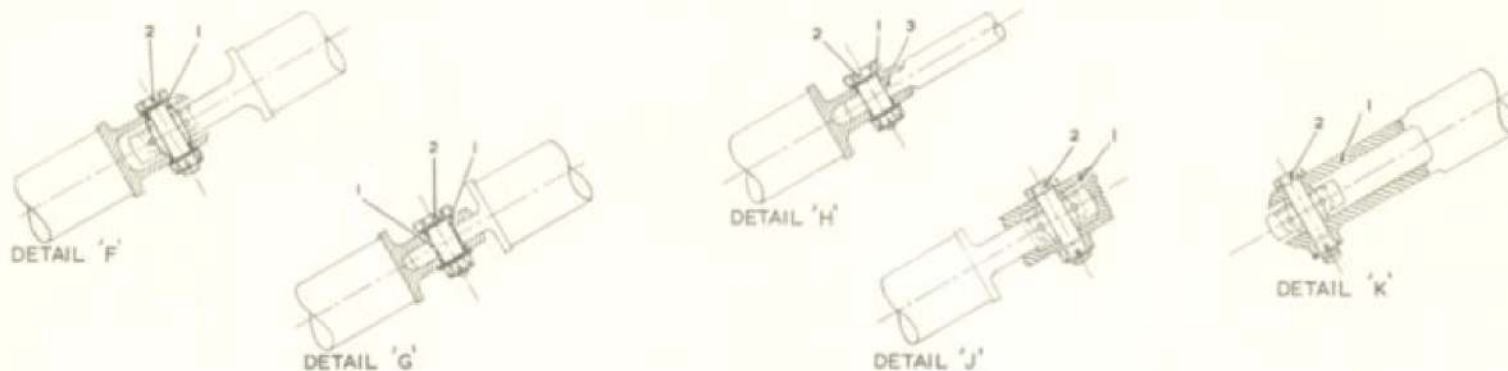


Fig.702A. Typical connections

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
F	1	BUSH (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
G	1	BUSH (bore)	$\frac{0.3755}{0.3745}$	0.37575	0.37625	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.37475}{0.37425}$	0.37425	0.373			
H	1	BUSH (bore)	$\frac{0.3755}{0.3745}$	0.37575	0.37625	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia)	$\frac{0.37475}{0.37425}$	0.37425	0.373			
	3	EYE END (bore)	$\frac{0.3755}{0.3745}$	0.37575	0.37625			
	2	BOLT (o/dia.)	$\frac{0.37475}{0.37425}$	0.37425	0.373			
{ J K	1	LEVER (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			

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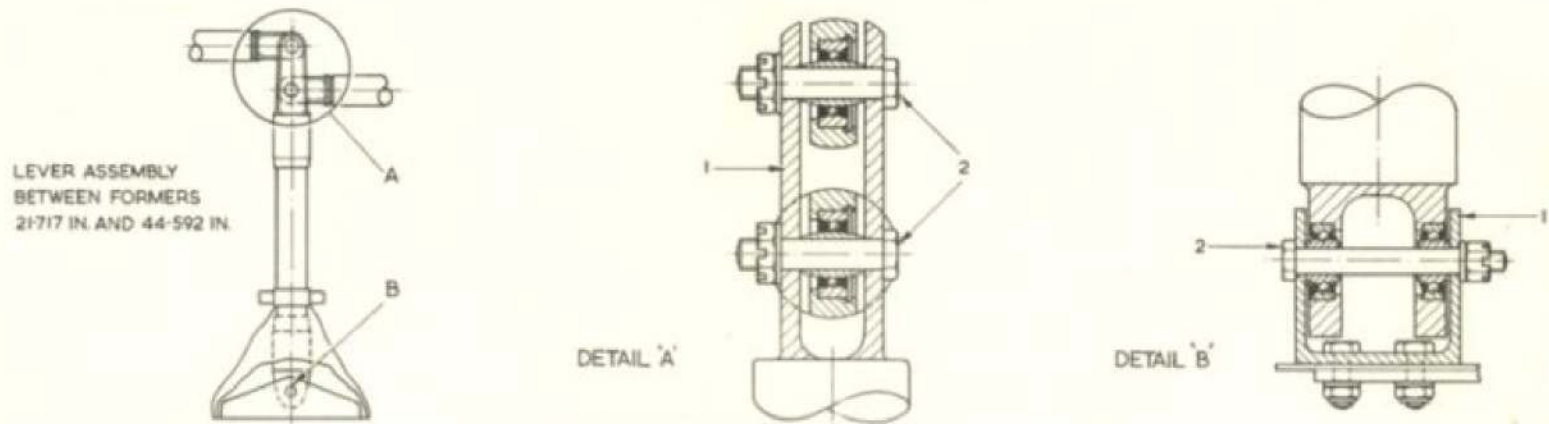


Fig.703. Elevator controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	FORK END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
B	1	BEARING CHANNEL (bore)	$\frac{0.2505}{0.2495}$	0.25075	0.25125	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.248			

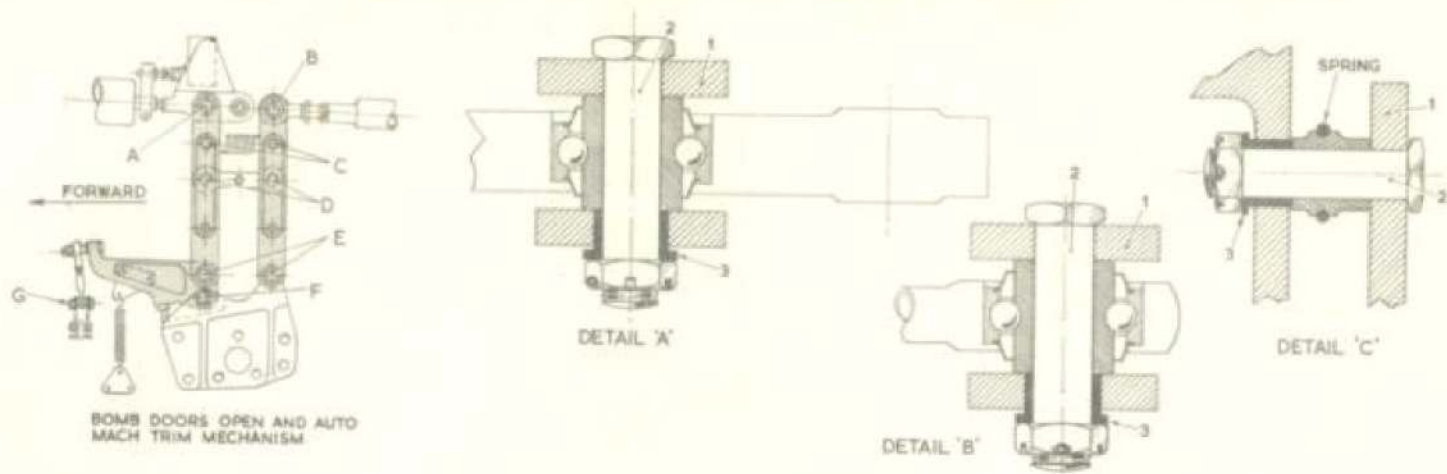


Fig.704. Elevator controls

Detail	Item	Part and Description	Permissible Worn Dimension (in.)				Permissible Worn Clearance (in.)	Remarks
			Dimension New (in.)	Non-selective Assembly	Selective Assembly	Clearance New (in.)		
A	1	LEVER (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375		0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105	$\frac{0.00125}{-0.00025}$		
	3	BUSH (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375			
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105	$\frac{0.00125}{-0.00025}$		
B	1	LEVER (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375		0.0015	
	2	BOLT (o/dia.)	$\frac{0.313}{0.312}$	0.31175	0.3105	$\frac{0.00125}{-0.00025}$		
	3	BUSH (bore)	$\frac{0.31225}{0.31175}$	0.31325	0.31375			
	2	BOLT (o/dia.)	$\frac{0.31125}{0.31175}$	0.31175	0.3105	$\frac{0.00125}{-0.00025}$		
C	1	LEVER (bore)	$\frac{0.2505}{0.2495}$	0.25075	0.25125		0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.248	$\frac{0.00125}{-0.00025}$		
	3	BUSH (bore)	$\frac{0.25025}{0.24925}$	0.25075	0.25125			
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.24825	$\frac{0.001}{0.000}$		

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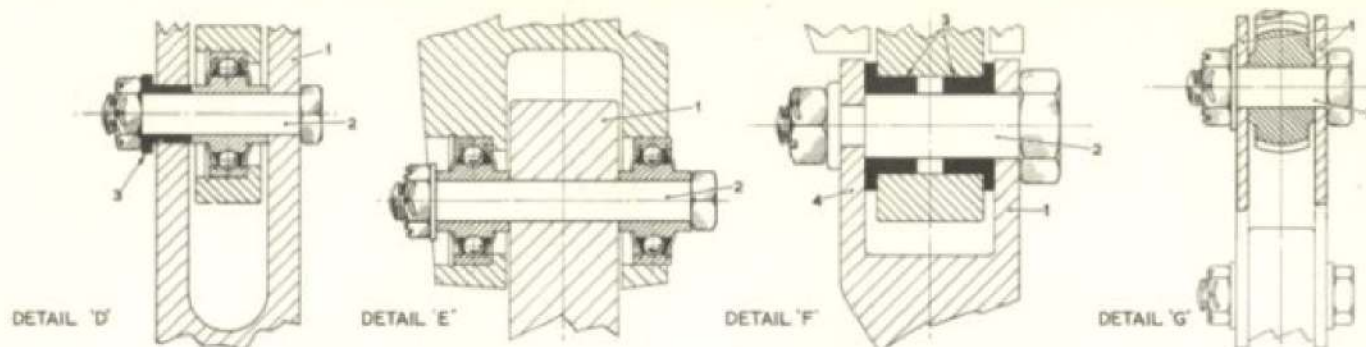
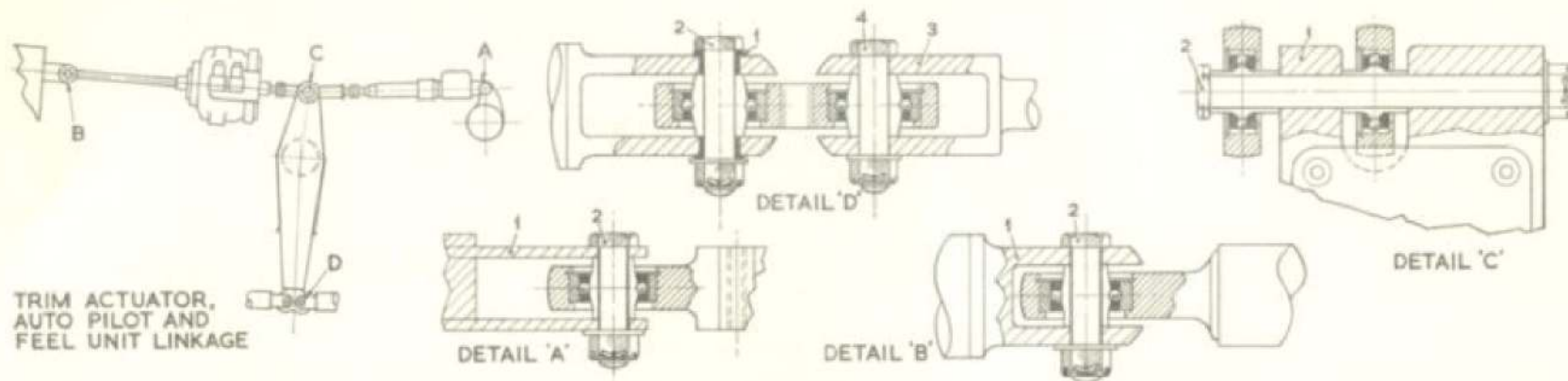


Fig.704A. Elevator controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
D	1	LEVER (bore)	$\frac{0.2505}{0.2495}$	0.25075	0.25125	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.248			
	3	BUSH (bore)	$\frac{0.25025}{0.24975}$	0.25075	0.25125	$\frac{0.001}{0.000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.24825			
E	1	BRACKET (bore)	$\frac{0.25025}{0.24975}$	0.25075	0.25125	$\frac{0.001}{0.000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.24825			
F	1	BRACKET FLANGE (bore)	$\frac{0.37525}{0.37475}$	0.37575	0.37625	$\frac{0.001}{0.000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.37475}{0.37425}$	0.37425	0.37325			
	3	BUSH (bore)	$\frac{0.37525}{0.37475}$	0.37575	0.37625	$\frac{0.001}{0.000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.37475}{0.37425}$	0.37425	0.37325			
	4	BRACKET FLANGE (bore)	$\frac{0.2505}{0.2495}$	0.25075	0.25125	$\frac{0.00125}{-0.00025}$	0.0015	
G	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.248			
	1	SIDE PLATE (bore)	$\frac{0.2505}{0.2495}$	0.25075	0.25125	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.248			

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TRIM ACTUATOR,
AUTO PILOT AND
FEEL UNIT LINKAGE

Fig.705. Elevator controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	LEVER (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
B	1	FORK-END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
C	1	FORK-END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
D	1	BUSH (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
	3	FORK-END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	4	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			

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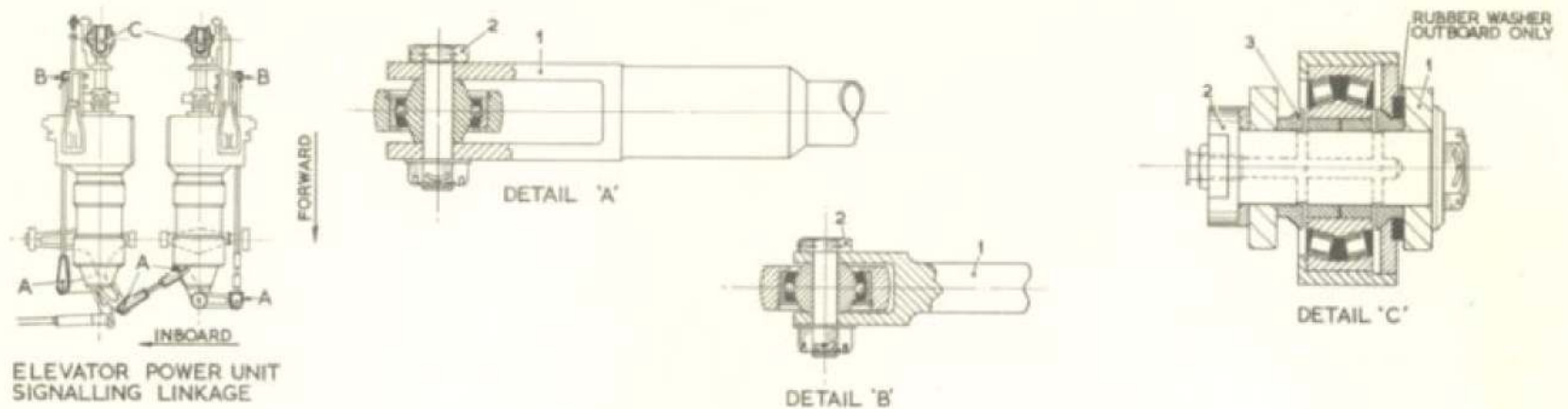


Fig.706. Elevator controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	FORK END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
B	1	LEVER (bore)	$\frac{0.2505}{0.2495}$	0.25075	0.25125	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.248			
C	1	FORK END (bore)	$\frac{0.7505}{0.74975}$	0.75075	0.75125	$\frac{0.00125}{0.00000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.74975}{0.74925}$	0.74925	0.74825			
	3	BUSH (bore)	$\frac{0.7505}{0.74975}$	0.75075	0.75125	$\frac{0.00125}{0.00000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.74975}{0.74925}$	0.74925	0.74825			

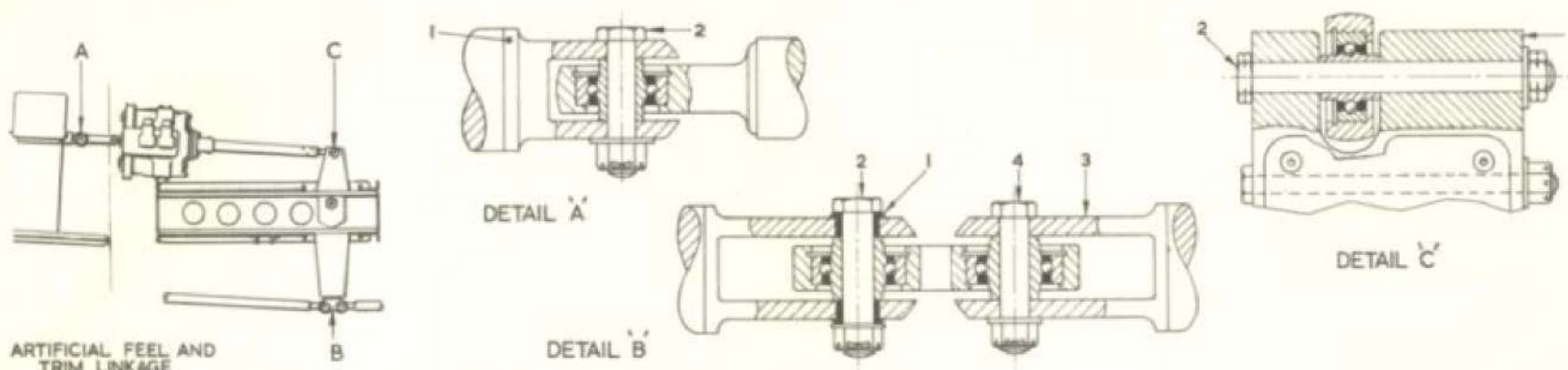


Fig.707. Aileron controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	FORK-END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
B	1	BUSH (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
	3	FORK-END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	4	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
C	1	FORK-END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			

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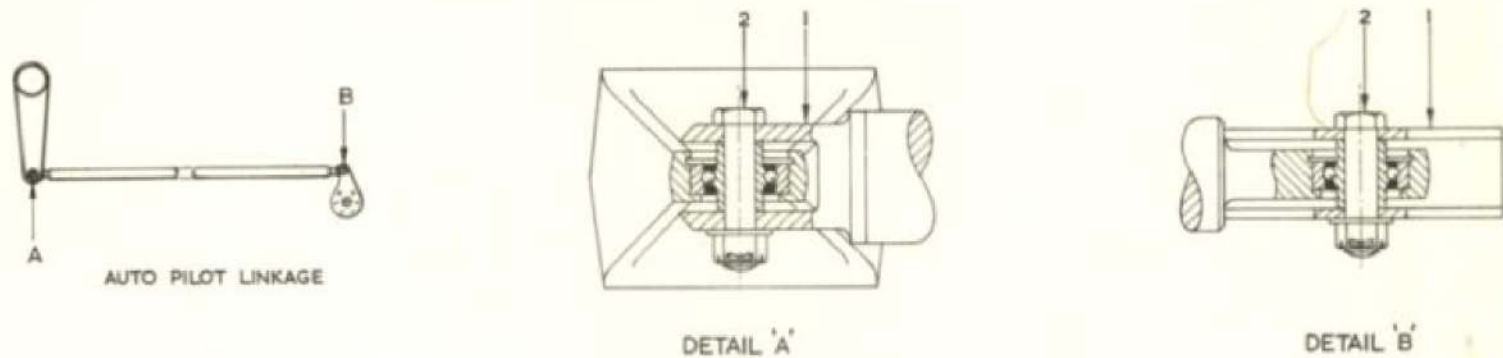


Fig.707A. Aileron controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	FORK END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
B	1	LEVER (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			

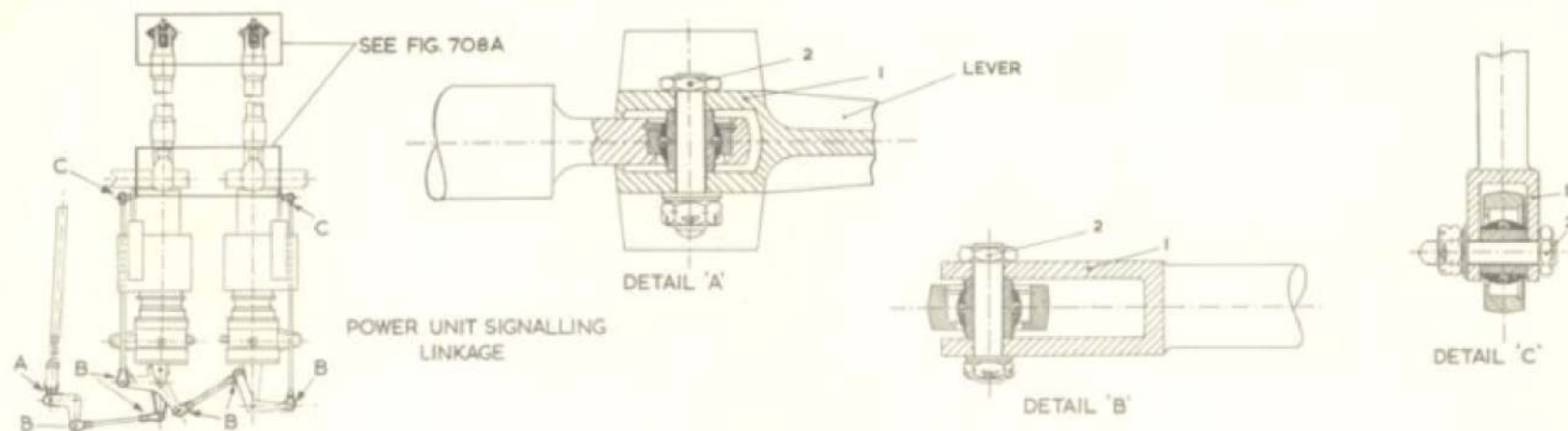


Fig. 708 Aileron controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	LEVER (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
B	1	FORK-END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
C	1	LEVER (bore)	$\frac{0.2505}{0.2495}$	0.25075	0.25125	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.248			

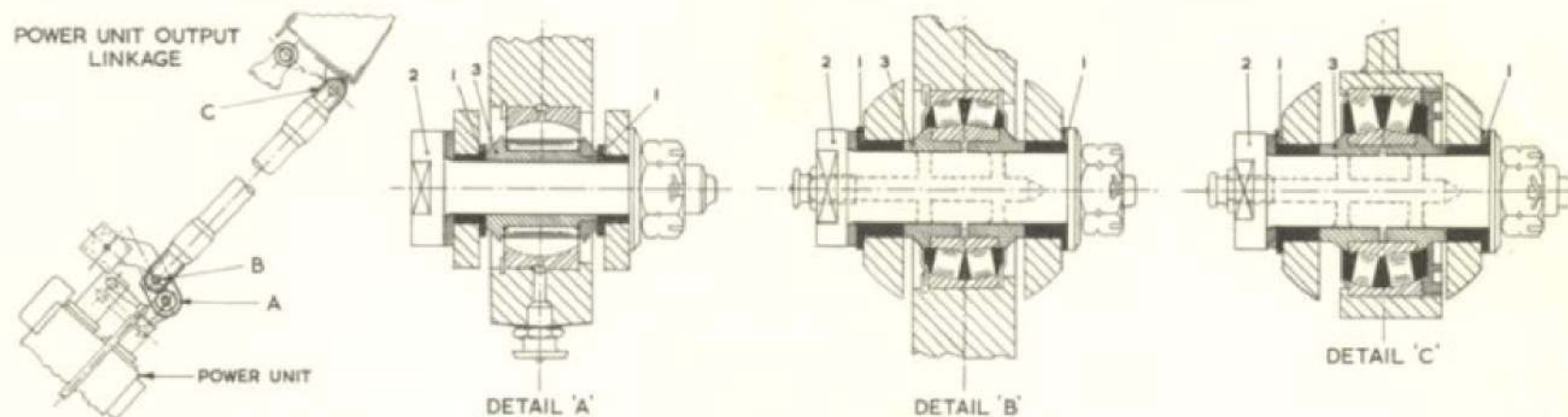


Fig.708A. Aileron controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	BUSH (bore)	$\frac{0.563}{0.56225}$	0.56325	0.56375	$\frac{0.00125}{0.00000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.56225}{0.56175}$	0.56175	0.56075			
	3	BUSH (bore)	$\frac{0.5627}{0.5622}$	0.56275	0.56325	$\frac{0.00095}{-0.00005}$	0.0010	
	2	BOLT (o/dia.)	$\frac{0.56225}{0.56175}$	0.56175	0.5612			
B C	1	BUSH (bore)	$\frac{0.7505}{0.74975}$	0.75075	0.75125	$\frac{0.00125}{0.00000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.74975}{0.74925}$	0.74925	0.74825			
	3	BUSH (bore)	$\frac{0.7505}{0.74975}$	0.75075	0.75125	$\frac{0.00125}{0.00000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.74975}{0.74925}$	0.74925	0.74825			

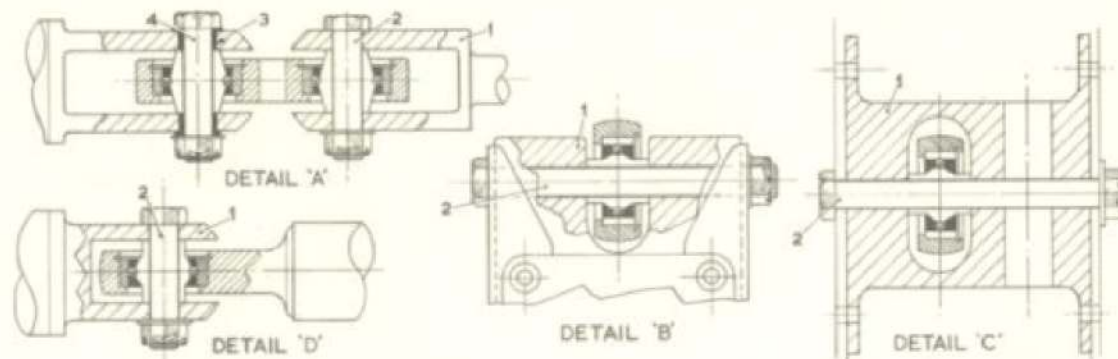
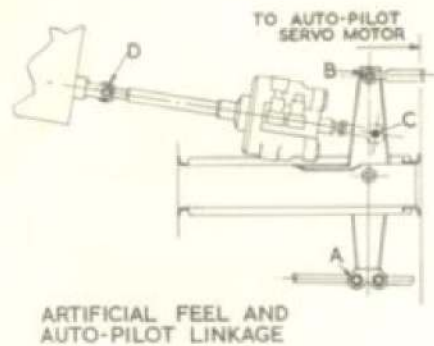


Fig. 709 Rudder controls

Detail	Item	Part and Description	Permissible Worn Dimension (in.)			Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
			Dimension New (in.)	Non-selective Assembly	Selective Assembly			
A	1	FORK END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
	3	BUSH (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	4	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
B	1	BLOCK (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
C	1	BLOCK (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
D	1	FORK END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			

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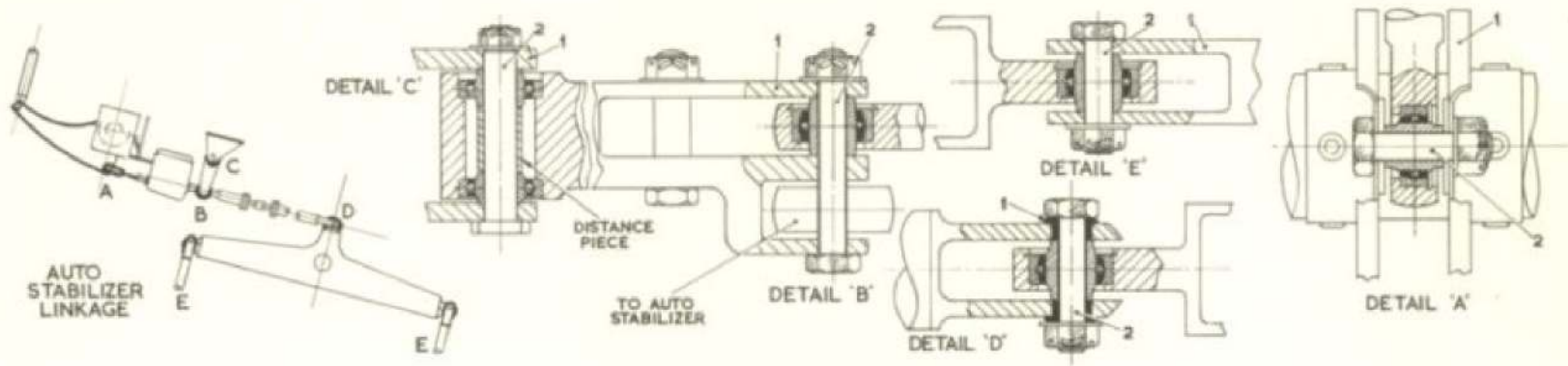


Fig.710. Rudder controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)			Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly	Clearance New (in.)		
A	1	LEVER (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
B	1	LEVER (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
C	1	BRACKET (bore)	$\frac{0.3755}{0.3748}$	0.37575	0.37625	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.37475}{0.37425}$	0.37425	0.373			
D	1	BUSH (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
E	1	FORK END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			

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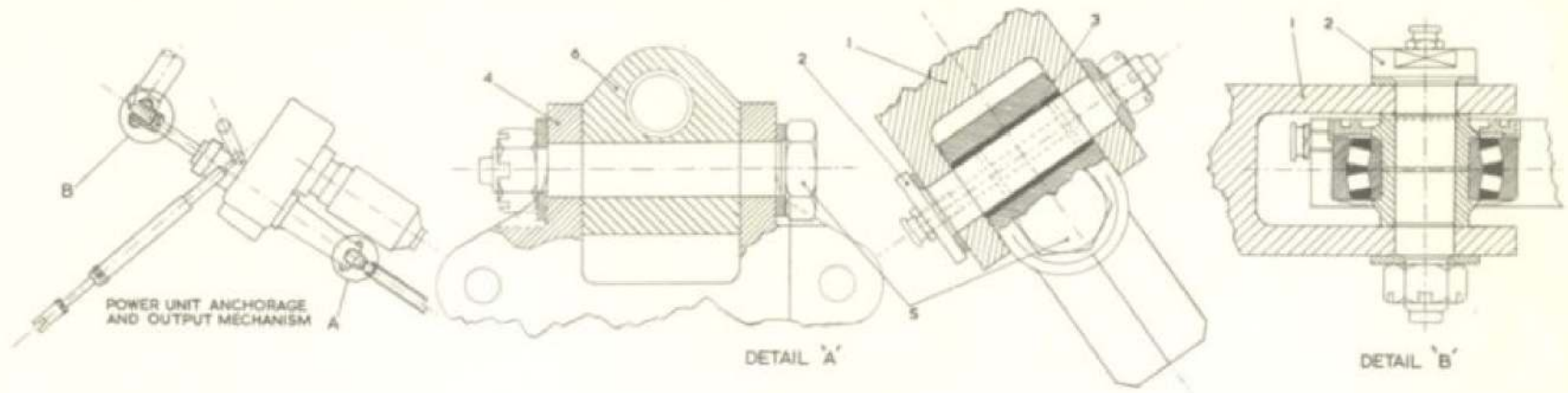


Fig.711. Rudder controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	CONE (bore)	$\frac{0.6255}{0.62475}$	0.62575	0.62625	$\frac{0.00125}{0.00000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.62475}{0.62425}$	0.62425	0.62325			
	3	BUSH (bore)	$\frac{0.6255}{0.62475}$	0.62575	0.62625	$\frac{0.00125}{0.00000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.62475}{0.62425}$	0.62425	0.62325			
	4	BRACKET (bore)	$\frac{0.628}{0.625}$	0.6285	0.6295	$\frac{0.005}{0.001}$	0.0055	
	5	BOLT (o/dia.)	$\frac{0.624}{0.623}$	0.623	0.6195			
	6	BLOCK (bore)	$\frac{0.6255}{0.62475}$	0.626	0.627	$\frac{0.0025}{0.00075}$	0.003	
B	5	BOLT (o/dia.)	$\frac{0.624}{0.623}$	0.623	0.62175			
	1	FORK END (bore)	$\frac{0.7505}{0.74975}$	0.75075	0.75125	$\frac{0.00125}{0.00000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.74975}{0.74925}$	0.74925	0.74825			

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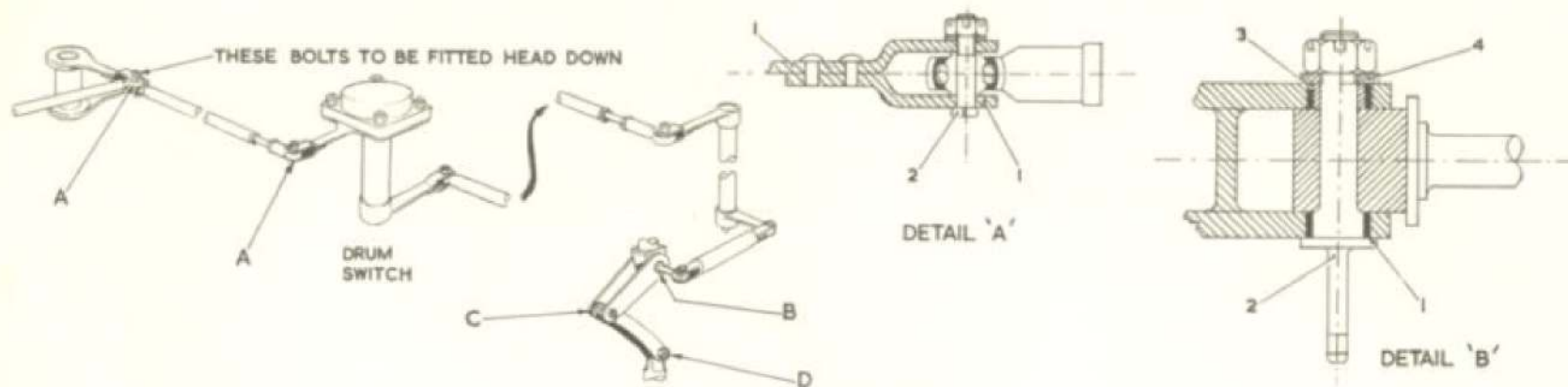


Fig.712. Nose wheel steering mechanism

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	LEVER (bore)	$\frac{0.1903}{0.1893}$	0.191	0.19155	$\frac{0.00125}{-0.00025}$	0.002	
	2	BOLT (o/dia.)	$\frac{0.18955}{0.18905}$	0.189	0.1873			
B	1	OILITE BUSH (bore)	$\frac{0.5005}{0.5000}$	0.5005	0.5005	$\frac{0.00125}{0.00025}$	0.002	
	2	BOLT (o/dia.)	$\frac{0.49975}{0.49925}$	0.4985	0.4980			
	3	OILITE BUSH (bore)	$\frac{0.5005}{0.5000}$	0.5005	0.5005	$\frac{0.00125}{0.00025}$	0.002	
	4	STEEL BUSH (o/dia.)	$\frac{0.49975}{0.49925}$	0.4985	0.4980			

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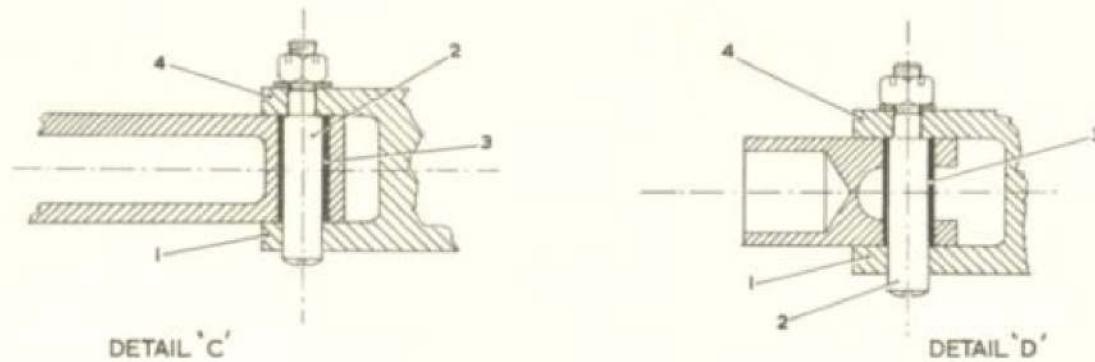


Fig.712A. Nose wheel steering mechanism

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)			Remarks
				Non-selective Assembly	Selective Assembly	Clearance New (in.)	
C	1	LEVER (bore)	$\frac{0.3755}{0.3745}$	0.37625	0.37675	$\frac{0.00125}{-0.00025}$	0.002
	2	BOLT (o/dia.)	$\frac{0.37475}{0.37425}$	0.37425	0.3725		
	3	BUSH (bore)	$\frac{0.3755}{0.3753}$	0.37575	0.37625	$\frac{0.00125}{0.00055}$	0.0015
	2	BOLT (o/dia.)	$\frac{0.37475}{0.37425}$	0.37425	0.3738		
	4	LEVER (bore)	$\frac{0.2505}{0.2495}$	0.25125	0.25175	$\frac{0.00125}{-0.00025}$	0.002
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.2475		
D	1	LEVER (bore)	$\frac{0.3755}{0.3745}$	0.37625	0.37675	$\frac{0.00125}{-0.00025}$	0.002
	2	BOLT (o/dia.)	$\frac{0.37475}{0.37425}$	0.37425	0.3725		
	3	BUSH (bore)	$\frac{0.3755}{0.3753}$	0.37575	0.37625	$\frac{0.00125}{0.00055}$	0.0015
	2	BOLT (o/dia.)	$\frac{0.37475}{0.37425}$	0.37425	0.3738		
	4	LEVER (bore)	$\frac{0.2505}{0.2495}$	0.25125	0.25175	$\frac{0.00125}{-0.00025}$	0.002
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.2475		

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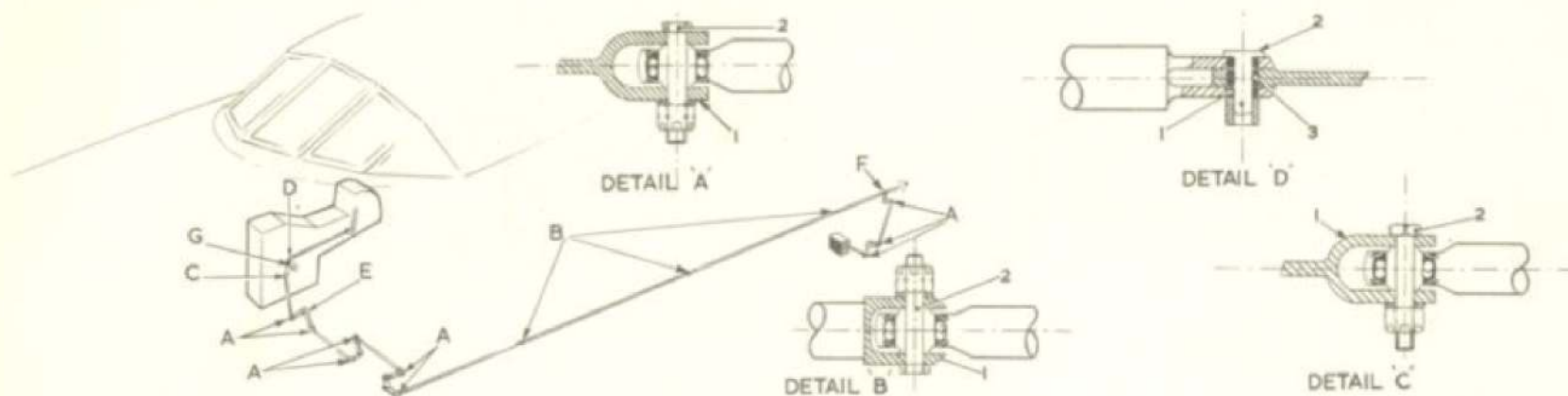


Fig.713. Parking brake mechanism

Detail	Item	Part and Description	Permissible Worn Dimension (in.)			Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
			Dimension New (in.)	Non-selective Assembly	Selective Assembly			
A	1	LEVER (bore)	$\frac{0.1903}{0.1893}$	0.191	0.19155	$\frac{0.00125}{-0.00025}$	0.002	
	2	BOLT (o/dia.)	$\frac{0.18955}{0.18905}$	0.189	0.1873			
B	1	FORK-END (bore)	$\frac{0.1903}{0.1893}$	0.191	0.19155	$\frac{0.00125}{-0.00025}$	0.002	
	2	BOLT (o/dia.)	$\frac{0.18955}{0.18905}$	0.189	0.1873			
C	1	LEVER (bore)	$\frac{0.188}{0.187}$	0.1885	0.18885	$\frac{0.00145}{0.00015}$	0.002	
	2	BOLT (o/dia.)	$\frac{0.18685}{0.18655}$	0.1865	0.185			
D	1	BUSH (bore)	$\frac{0.188}{0.187}$	0.189	0.18975	$\frac{0.00185}{0.00025}$	0.003	
	2	PIN (o/dia.)	$\frac{0.18675}{0.18615}$	0.186	0.184			
	3	BUSH (bore)	$\frac{0.188}{0.187}$	0.189	0.18975	$\frac{0.00185}{0.00025}$	0.003	
	2	PIN (o/dia.)	$\frac{0.18675}{0.18615}$	0.186	0.184			

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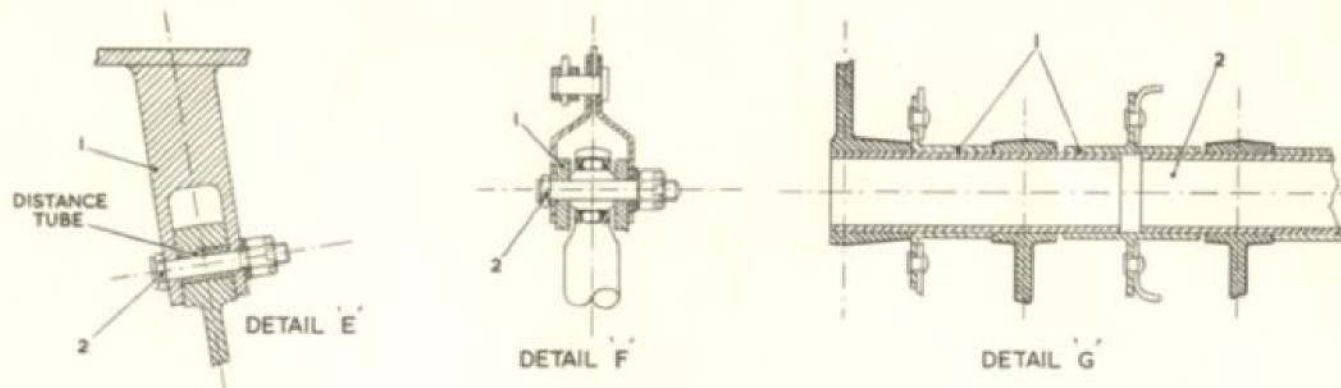


Fig.713A. Parking brake mechanism

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
E	1	BRACKET (bore)	$\frac{0.1895}{0.1875}$	0.19025	0.19075	$\frac{0.00275}{0.00025}$	0.0035	
	2	BOLT (o/dia.)	$\frac{0.18725}{0.18675}$	0.18675	0.184			
F	1	LEVER (bore)	$\frac{0.1903}{0.1893}$	0.191	0.19155	$\frac{0.00125}{-0.00025}$	0.002	
	2	BOLT (o/dia.)	$\frac{0.18955}{0.18905}$	0.189	0.1873			
G	1	BUSH (bore)	$\frac{0.752}{0.750}$	0.753	0.756	$\frac{0.005}{0.001}$	0.007	
	2	TUBE (o/dia.)	$\frac{0.749}{0.747}$	0.746	0.743			

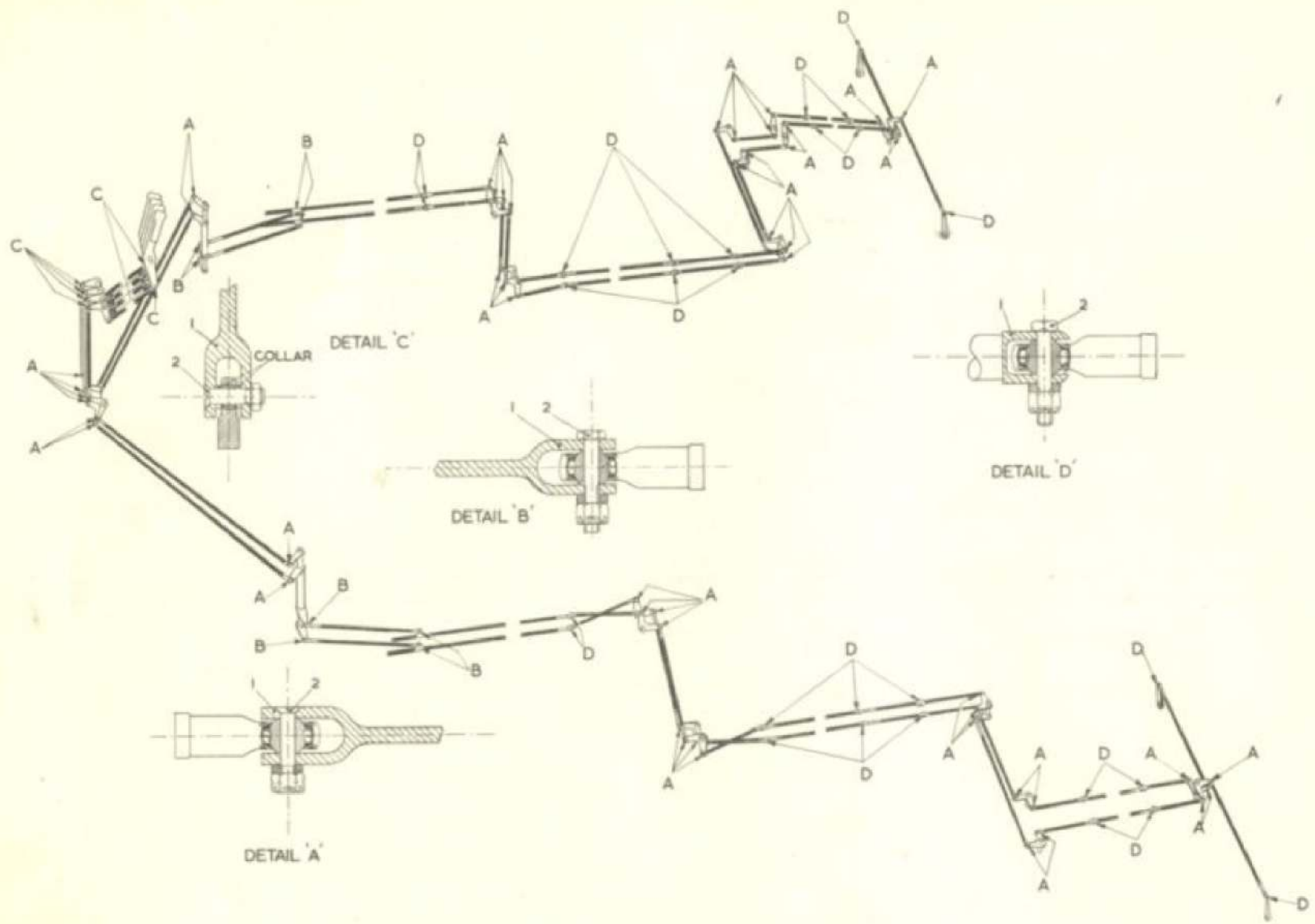


Fig. 714. Engine controls
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Chapter 7

SYSTEMS

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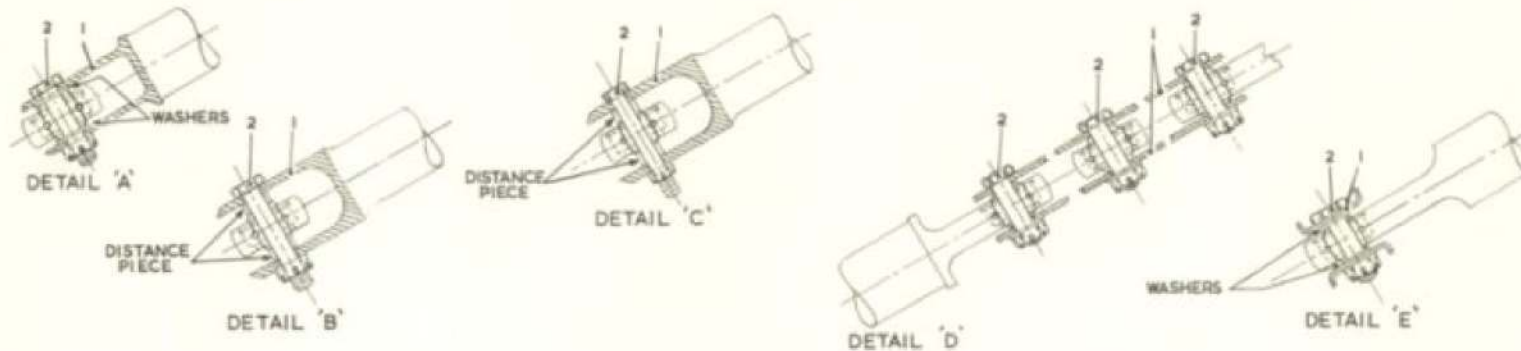


Fig.702. Typical connections

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	FORK-END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
B	1	FORK-END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
C	1	FORK-END (bore)	$\frac{0.2505}{0.2495}$	0.25075	0.25125	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.248			
D	1	LINK PLATE (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31125}{0.31175}$	0.31175	0.3105			
E	1	LEVER (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			

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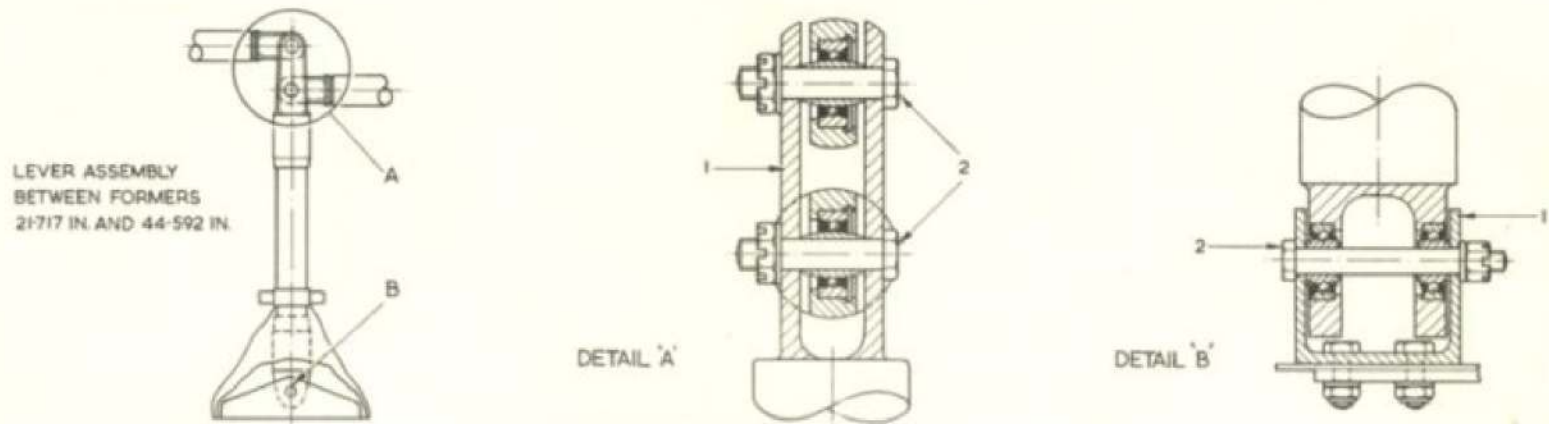


Fig.703. Elevator controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	FORK END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
B	1	BEARING CHANNEL (bore)	$\frac{0.2505}{0.2495}$	0.25075	0.25125	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.248			

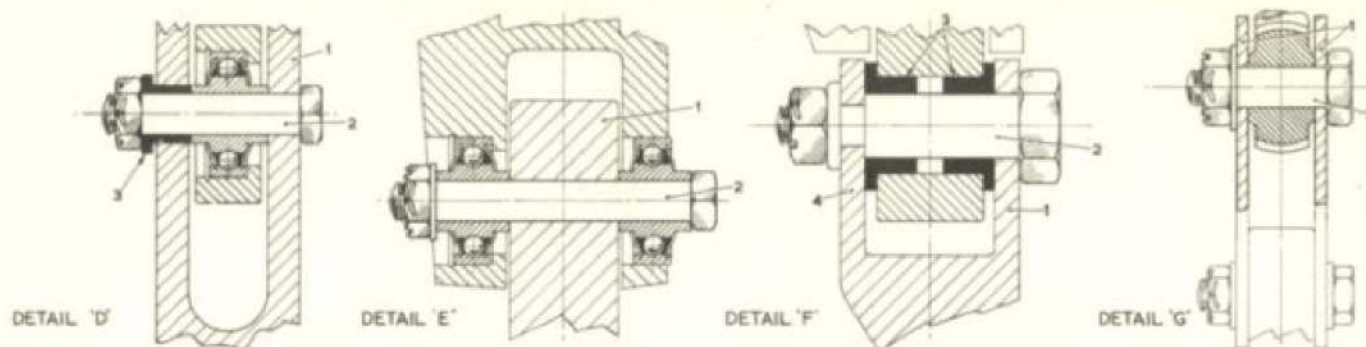


Fig.704A. Elevator controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
D	1	LEVER (bore)	$\frac{0.2505}{0.2495}$	0.25075	0.25125	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.248			
	3	BUSH (bore)	$\frac{0.25025}{0.24975}$	0.25075	0.25125	$\frac{0.001}{0.000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.24825			
E	1	BRACKET (bore)	$\frac{0.25025}{0.24975}$	0.25075	0.25125	$\frac{0.001}{0.000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.24825			
F	1	BRACKET FLANGE (bore)	$\frac{0.37525}{0.37475}$	0.37575	0.37625	$\frac{0.001}{0.000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.37475}{0.37425}$	0.37425	0.37325			
	3	BUSH (bore)	$\frac{0.37525}{0.37475}$	0.37575	0.37625	$\frac{0.001}{0.000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.37475}{0.37425}$	0.37425	0.37325			
	4	BRACKET FLANGE (bore)	$\frac{0.2505}{0.2495}$	0.25075	0.25125	$\frac{0.00125}{-0.00025}$	0.0015	
G	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.248			
	1	SIDE PLATE (bore)	$\frac{0.2505}{0.2495}$	0.25075	0.25125	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.248			

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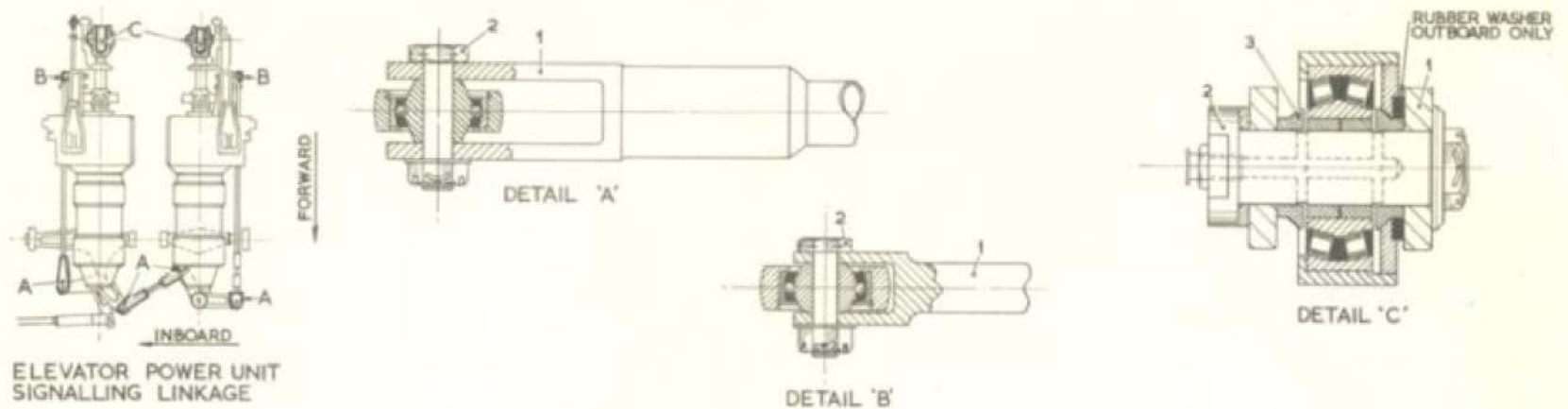


Fig.706. Elevator controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	FORK END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
B	1	LEVER (bore)	$\frac{0.2505}{0.2495}$	0.25075	0.25125	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.24975}{0.24925}$	0.24925	0.248			
C	1	FORK END (bore)	$\frac{0.7505}{0.74975}$	0.75075	0.75125	$\frac{0.00125}{0.00000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.74975}{0.74925}$	0.74925	0.74825			
	3	BUSH (bore)	$\frac{0.7505}{0.74975}$	0.75075	0.75125	$\frac{0.00125}{0.00000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.74975}{0.74925}$	0.74925	0.74825			

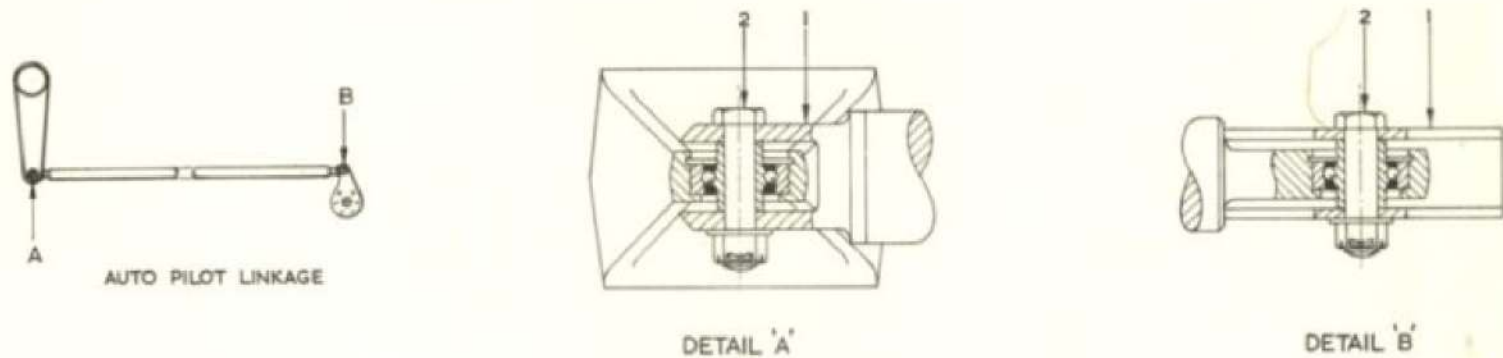


Fig.707A. Aileron controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	FORK END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
B	1	LEVER (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			

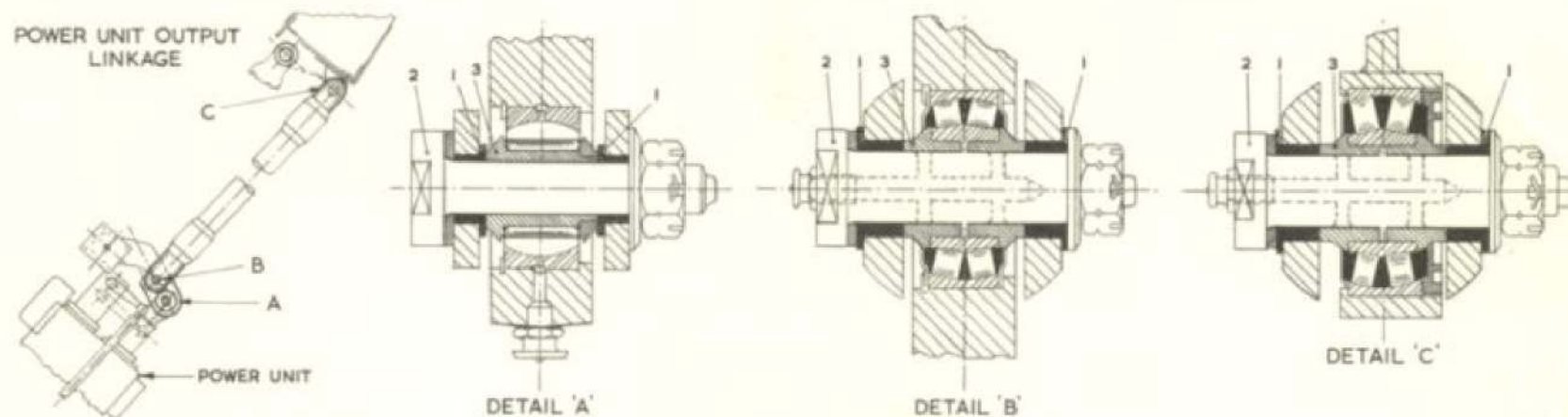


Fig.708A. Aileron controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	BUSH (bore)	$\frac{0.563}{0.56225}$	0.56325	0.56375	$\frac{0.00125}{0.00000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.56225}{0.56175}$	0.56175	0.56075			
	3	BUSH (bore)	$\frac{0.5627}{0.5622}$	0.56275	0.56325	$\frac{0.00095}{-0.00005}$	0.0010	
	2	BOLT (o/dia.)	$\frac{0.56225}{0.56175}$	0.56175	0.5612			
B C	1	BUSH (bore)	$\frac{0.7505}{0.74975}$	0.75075	0.75125	$\frac{0.00125}{0.00000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.74975}{0.74925}$	0.74925	0.74825			
	3	BUSH (bore)	$\frac{0.7505}{0.74975}$	0.75075	0.75125	$\frac{0.00125}{0.00000}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.74975}{0.74925}$	0.74925	0.74825			

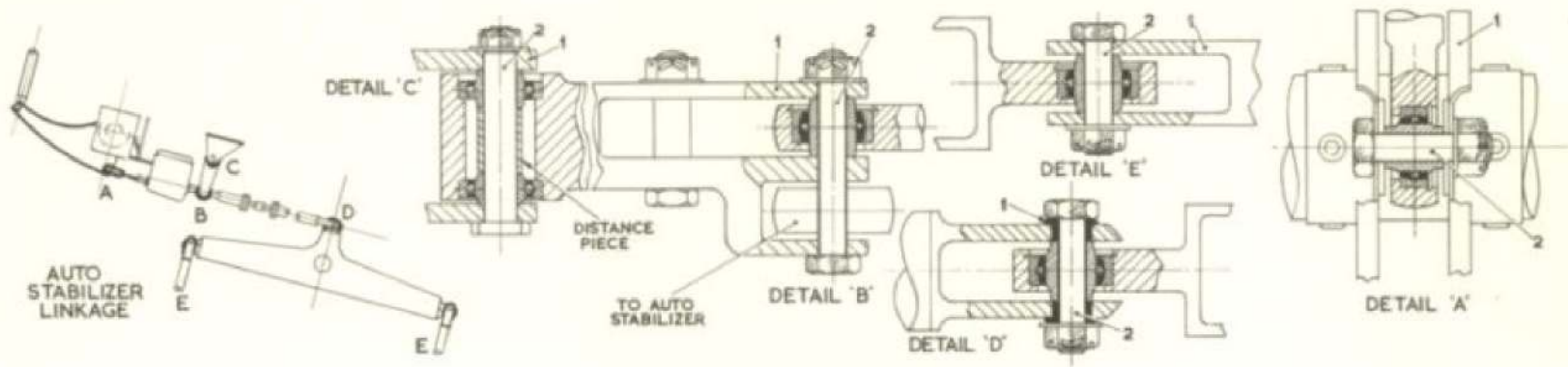


Fig.710. Rudder controls

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)			Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly	Clearance New (in.)		
A	1	LEVER (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
B	1	LEVER (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
C	1	BRACKET (bore)	$\frac{0.3755}{0.3748}$	0.37575	0.37625	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.37475}{0.37425}$	0.37425	0.373			
D	1	BUSH (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			
E	1	FORK END (bore)	$\frac{0.313}{0.312}$	0.31325	0.31375	$\frac{0.00125}{-0.00025}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.31225}{0.31175}$	0.31175	0.3105			

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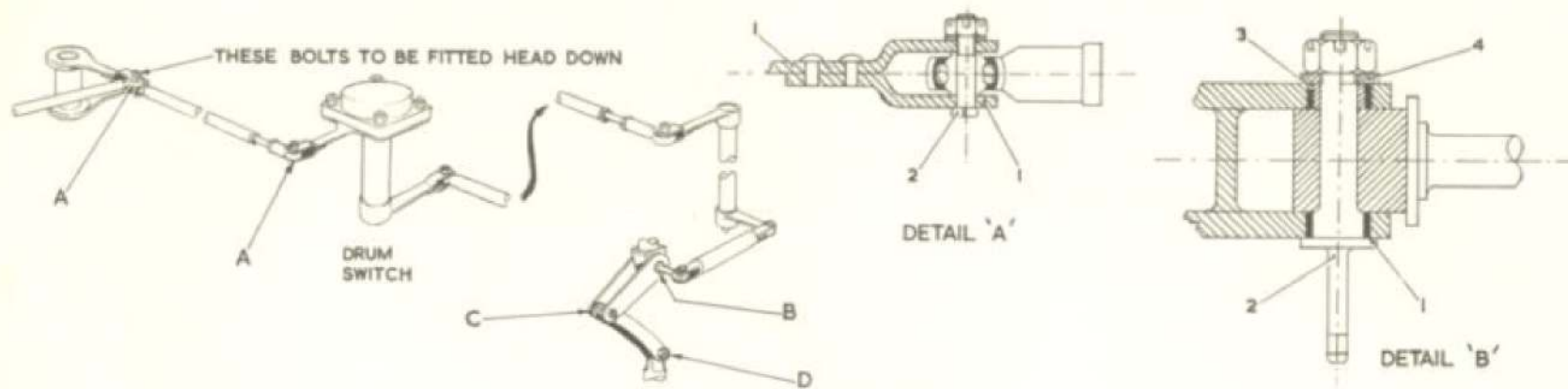


Fig.712. Nose wheel steering mechanism

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	LEVER (bore)	$\frac{0.1903}{0.1893}$	0.191	0.19155	$\frac{0.00125}{-0.00025}$	0.002	
	2	BOLT (o/dia.)	$\frac{0.18955}{0.18905}$	0.189	0.1873			
B	1	OILITE BUSH (bore)	$\frac{0.5005}{0.5000}$	0.5005	0.5005	$\frac{0.00125}{0.00025}$	0.002	
	2	BOLT (o/dia.)	$\frac{0.49975}{0.49925}$	0.4985	0.4980			
	3	OILITE BUSH (bore)	$\frac{0.5005}{0.5000}$	0.5005	0.5005	$\frac{0.00125}{0.00025}$	0.002	
	4	STEEL BUSH (o/dia.)	$\frac{0.49975}{0.49925}$	0.4985	0.4980			

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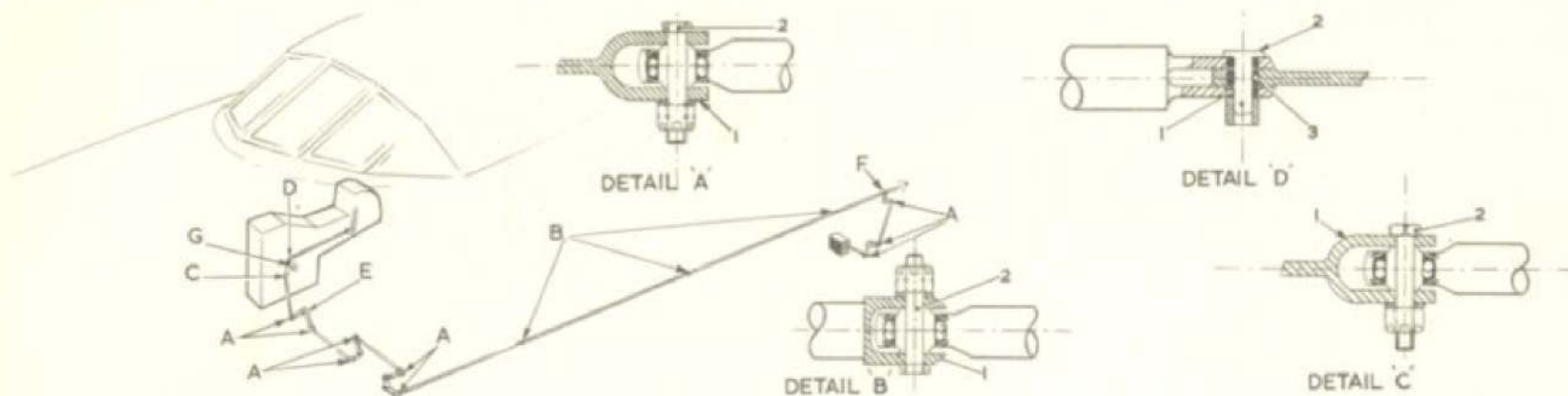


Fig.713. Parking brake mechanism

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	LEVER (bore)	$\frac{0.1903}{0.1893}$	0.191	0.19155	$\frac{0.00125}{-0.00025}$	0.002	
	2	BOLT (o/dia.)	$\frac{0.18955}{0.18905}$	0.189	0.1873			
B	1	FORK-END (bore)	$\frac{0.1903}{0.1893}$	0.191	0.19155	$\frac{0.00125}{-0.00025}$	0.002	
	2	BOLT (o/dia.)	$\frac{0.18955}{0.18905}$	0.189	0.1873			
C	1	LEVER (bore)	$\frac{0.188}{0.187}$	0.1885	0.18885	$\frac{0.00145}{0.00015}$	0.002	
	2	BOLT (o/dia.)	$\frac{0.18685}{0.18655}$	0.1865	0.185			
D	1	BUSH (bore)	$\frac{0.188}{0.187}$	0.189	0.18975	$\frac{0.00185}{0.00025}$	0.003	
	2	PIN (o/dia.)	$\frac{0.18675}{0.18615}$	0.186	0.184			
	3	BUSH (bore)	$\frac{0.188}{0.187}$	0.189	0.18975	$\frac{0.00185}{0.00025}$	0.003	
	2	PIN (o/dia.)	$\frac{0.18675}{0.18615}$	0.186	0.184			

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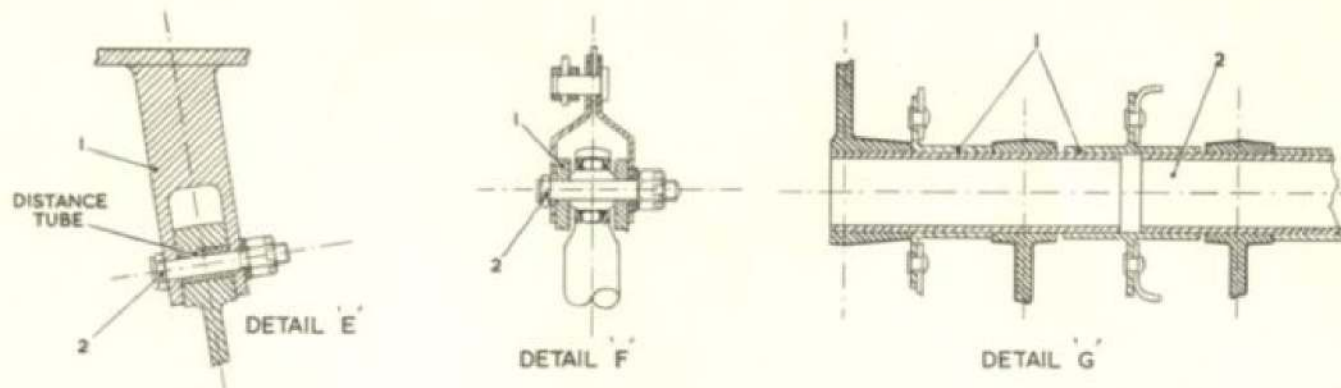


Fig.713A. Parking brake mechanism

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
E	1	BRACKET (bore)	$\frac{0.1895}{0.1875}$	0.19025	0.19075	$\frac{0.00275}{0.00025}$	0.0035	
	2	BOLT (o/dia.)	$\frac{0.18725}{0.18675}$	0.18675	0.184			
F	1	LEVER (bore)	$\frac{0.1903}{0.1893}$	0.191	0.19155	$\frac{0.00125}{-0.00025}$	0.002	
	2	BOLT (o/dia.)	$\frac{0.18955}{0.18905}$	0.189	0.1873			
G	1	BUSH (bore)	$\frac{0.752}{0.750}$	0.753	0.756	$\frac{0.005}{0.001}$	0.007	
	2	TUBE (o/dia.)	$\frac{0.749}{0.747}$	0.746	0.743			

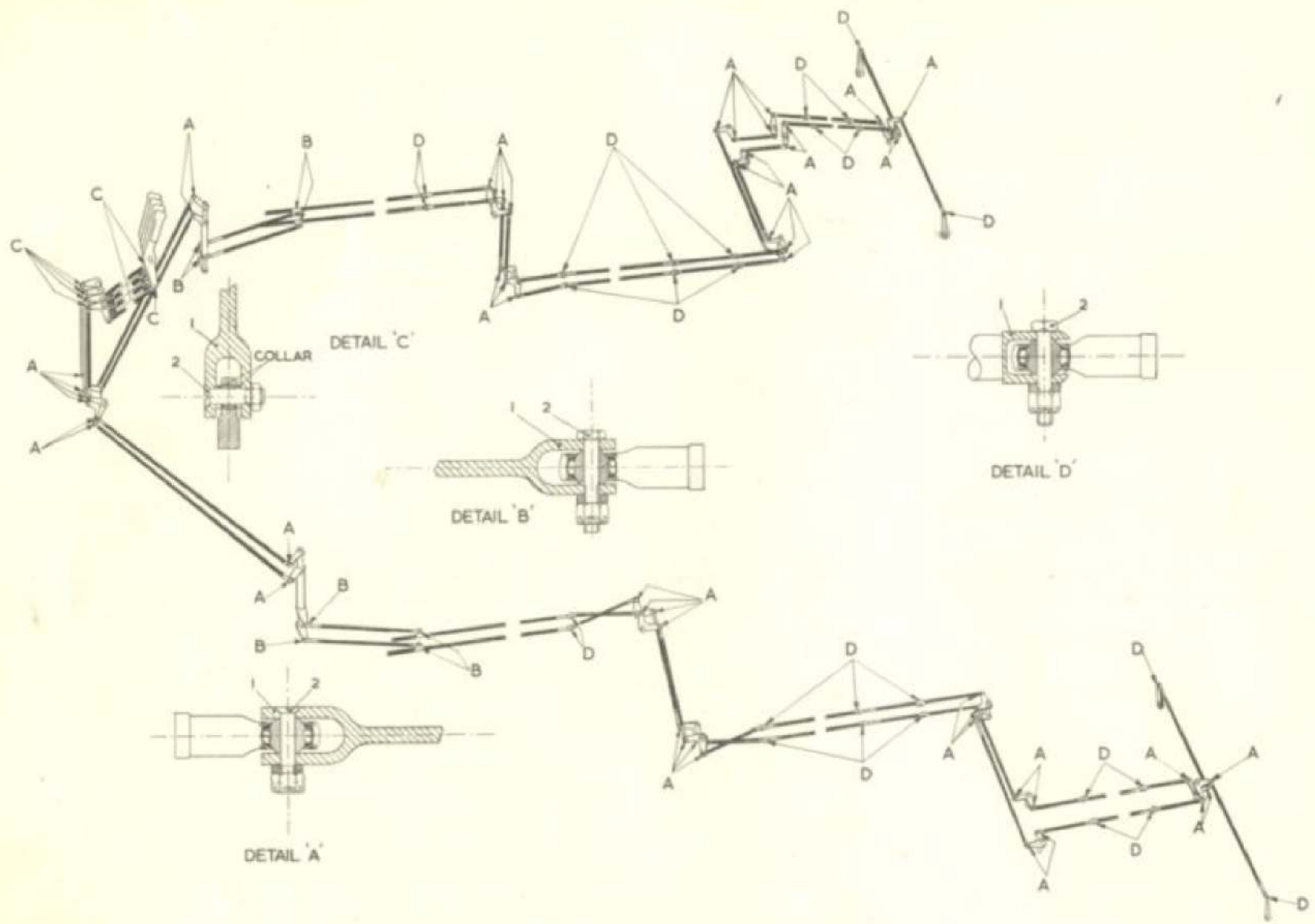


Fig. 714. Engine controls
RESTRICTED

Key to Fig.714

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	LEVER (bore)	$\frac{0.1875}{0.187}$	0.188	0.18835	$\frac{0.00095}{0.00013}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.18685}{0.18655}$	0.1865	0.1855			
B	1	LEVER (bore)	$\frac{0.1875}{0.187}$	0.188	0.18835	$\frac{0.00095}{0.00013}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.18685}{0.18655}$	0.1865	0.1855			
C	1	LEVER (bore)	$\frac{0.188}{0.187}$	0.1887	0.18925	$\frac{0.00125}{-0.00025}$	0.002	
	2	BOLT (o/dia.)	$\frac{0.18725}{0.18675}$	0.1867	0.185			
D	1	FORK-END (bore)	$\frac{0.1895}{0.1875}$	0.190	0.19035	$\frac{0.00295}{0.00065}$	0.0035	
	2	BOLT (o/dia.)	$\frac{0.18685}{0.18655}$	0.1865	0.184			

Key to Fig.714

Detail	Item	Part and Description	Dimension New (in.)	Permissible Worn Dimension (in.)		Clearance New (in.)	Permissible Worn Clearance (in.)	Remarks
				Non-selective Assembly	Selective Assembly			
A	1	LEVER (bore)	$\frac{0.1875}{0.187}$	0.188	0.18835	$\frac{0.00095}{0.00013}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.18685}{0.18655}$	0.1865	0.1855			
B	1	LEVER (bore)	$\frac{0.1875}{0.187}$	0.188	0.18835	$\frac{0.00095}{0.00013}$	0.0015	
	2	BOLT (o/dia.)	$\frac{0.18685}{0.18655}$	0.1865	0.1855			
C	1	LEVER (bore)	$\frac{0.188}{0.187}$	0.1887	0.18925	$\frac{0.00125}{-0.00025}$	0.002	
	2	BOLT (o/dia.)	$\frac{0.18725}{0.18675}$	0.1867	0.185			
D	1	FORK-END (bore)	$\frac{0.1895}{0.1875}$	0.190	0.19035	$\frac{0.00295}{0.00065}$	0.0035	
	2	BOLT (o/dia.)	$\frac{0.18685}{0.18655}$	0.1865	0.184			

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