

Master Cylinder Push Type

The image displays four exploded view diagrams of hydraulic cylinders, each with its own set of components and assembly sequence:

- 10-24C, 10-24D:** Shows components 1 (cylinder body), 2 (piston rod), 3A (piston), 4 (seal), 5 (seal), 6 (seal), 7 (seal), 8 (spring), 9 (seal), 10 (seal), 11 (seal), 12 (seal), 13 (seal), 14 (seal), 15 (seal), 16 (seal), 17 (seal), 18 (seal), 19 (seal), 20 (seal), 21 (seal).
- 10-30, 10-30A, 10-30B:** Shows components 1 (cylinder body), 2 (piston rod), 3B (10-30), 3A (10-30A), 4 (seal), 5 (seal), 6 (seal), 7 (seal), 8 (spring), 9 (seal), 10 (seal), 11 (seal), 12 (seal), 13 (seal), 14 (seal), 15 (seal), 16 (seal), 17 (seal), 18 (seal), 19 (seal), 20 (seal), 21 (seal).
- 10-70, 10-70A, 10-70B:** Shows components 1 (cylinder body), 2 (piston rod), 3D (piston), 4 (seal), 5 (seal), 6 (seal), 7 (seal), 8 (spring), 9 (seal), 10 (seal), 11 (seal), 12 (seal), 13 (seal), 14 (seal), 15 (seal), 16A (seal), 17 (seal), 18 (seal), 19A (seal), 20 (seal), 21 (seal).
- 10-89:** Shows components 1A (cylinder body), 2 (piston rod), 3A (piston), 4 (seal), 5 (seal), 6 (seal), 7 (seal), 8 (spring), 9 (seal), 10 (seal), 11 (seal), 12 (seal), 13 (seal), 14 (seal), 15 (seal), 16 (seal), 17 (seal), 18 (seal), 19 (seal), 20 (seal), 21 (seal).

FIG.	PART NO.	DESCRIPTION	PER ASSY.									
			10-24C	10-24D	10-30 (2)	10-30A	10-30B (1) (2)	10-30D	10-70	10-70A	10-70B	10-89
1	144-03200	Cylinder Body			1	1						
	144-03700	Cylinder Body	1									
	144-03701	Cylinder Body		1								
	144-06800	Cylinder Body						1				
	144-07300	Cylinder Body							1	1		
	144-11900	Cylinder Body					1	1				
1A	144-11500	Cylinder Body									1	
2	182-02000	Rod Assembly	1	1								
	182-02200	Piston Rod Assembly										
	182-03700	Piston Assembly										
	(3)	Piston Assembly										
	182-06800	Rod Assembly						1				
3A	142-03700	Rod-Piston			1	1					1	
3B	142-03900	Rod-Piston										
	(3)	Rod-Piston					1					

Cleveland

Wheels & Brakes

AIRCRAFT WHEEL & BRAKE BY KAMA

Illustrated Parts List

Master Cylinder
Push Type

10-24C, 10-24D, 10-30, 10-30A, 10-30B, 10-30D, 10-70, 10-70A, 10-70B, 10-89

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FIG.	PART NO.	DESCRIPTION	PER ASSY.									
			10-24C	10-24D	10-30 (2)	10-30A	10-30B (1) (2)	10-30D	10-70	10-70A	10-70B	10-89
3C	142-13700	Rod-Piston						1				
3D	142-07900	Rod-Piston							1	1	1	
4	141-01200	End Gland	1	1								1
	141-02500	End Gland			1	1	1					
	141-04400	End Gland							1	1		
	141-04401	End Gland									1	
	141-09000	End Gland						1				
5	101-00700	O-Ring (MS28775-012)	1	1					1	1	1	1
	101-00800	O-Ring (MS28775-110)			1	1	1	1				
6	101-01100	O-Ring (MS28775-113)	1	1	1	1	1	1	1	1	1	1
7	095-01300	Washer-Wiper	1	1	1	1	1	1				1
8	082-00900	Spring-Return				1	1					
	082-05200	Spring-Return	1	1								1
	082-14500	Spring-Return			1			1				
9	101-00100	O-Ring	1	1	1	1	1					1
9A	095-02600	Washer-Seal						1	1	1	1	
10	148-02300	Piston	1	1								1
	148-02500	Piston			1	1	1					
	148-03800	Piston							1	1	1	
	148-09200	Piston						1				
11	101-00800	O-Ring (MS28775-110)			1	1	1	1				
	101-01100	O-Ring (MS28775-113)	1	1					1	1	1	1
12	082-02100	Spring-Piston	1	1	1	1	1	1				1
	082-05600	Spring-Piston							1	1	1	
13	145-01500	Spring Guide						1				
	145-05800	Bushing	1	1	1	1	1					1
13A	145-06500	Spring Guide							1	1	1	
14	155-04800	Snap Ring	1	1	1	1	1					1
14A	155-00500	Snap Ring						1				
15	155-05000	Snap Ring-Rod			1		1	1				
16	143-00400	Clevis	1	1		1						
16A	143-01300	Clevis							1	1	1	
17	095-10100	Washer (AN960-616L)	1	1		1						
	095-10200	Washer (AN960-416L)										1
18	095-15600	Washer-Star (MS35333-40)	1	1		1						
19	094-03000	Nut-Check (AN316-4)	1	1		1						1
19A	094-04300	Nut-Check (AM316-5)							1	1	1	
20	082-07400	Spring-Return							1	1	1	
21	155-01200	Snap Ring	1	1								1
	155-04700	Snap Ring			1	1	1	1				
	155-05500	Snap Ring							1	1	1	
	199-510	Repair Kit (5, 6, 9)	1	1								
	199-512	Repair Kit (5, 6, 7, 9, 9A, 12, 14, 14A, 15)			1	1	1	1				
	199-521	Repair Kit (5, 6, 9A)							1	1	1	

NOTES:

- (1) Inactive Assembly - Spares support only for parts listed.
- (2) SB7093-1 Service Bulletin Kit upgrades 10-30 and 10-30B to 10-30D configuration per SB7093.
- (3) Inactive Part - No longer available for spares support.