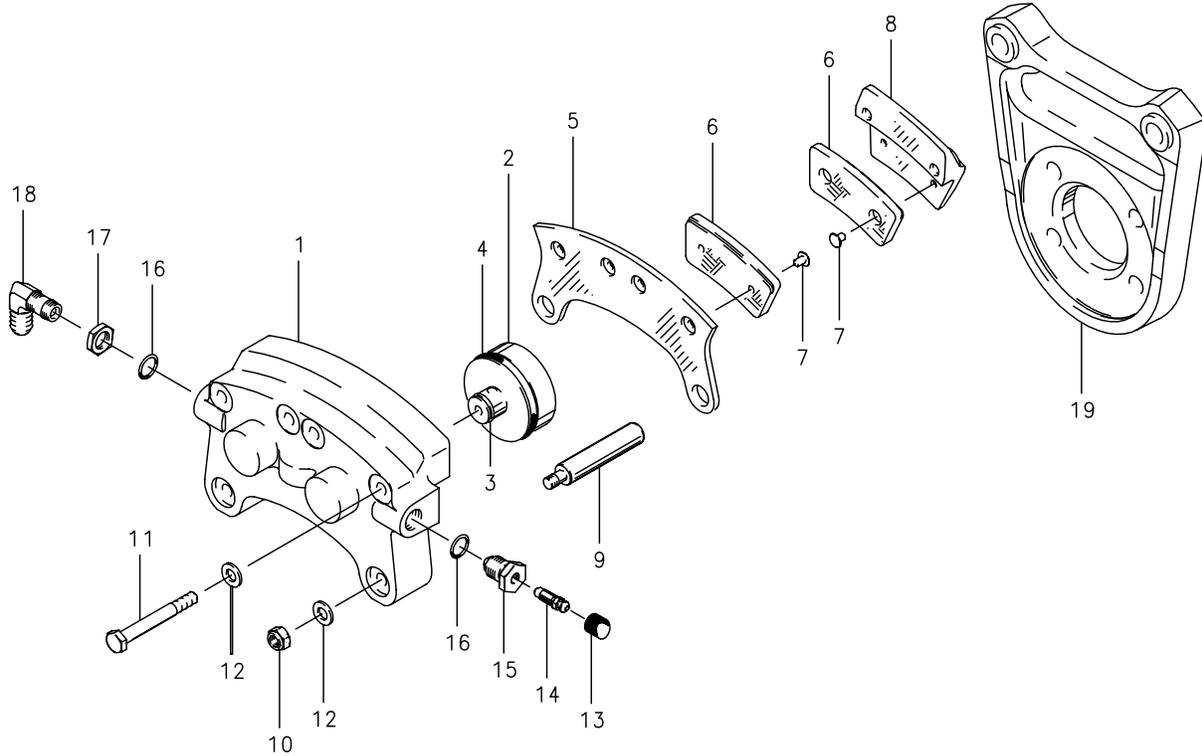


Illustrated Parts List

30-67, 30-67A, 30-67B, 30-67C, 30-67D, 30-67X, 30-176, 30-195

Organic Lining



Illustrated Parts List

30-67, 30-67A, 30-67B, 30-67C, 30-67D, 30-67X, 30-176, 30-195

Organic Lining

FIG.	PART NO.	DESCRIPTION	PER ASSY.							
			30-67	30-67A	30-67B	30-67C	30-67D	30-67X (1)	30-176	30-195
	091-03000	Cylinder Assembly	1			1	1			1
	091-03001	Cylinder Assembly						1		
	091-03100	Cylinder Assembly		1					1	
	091-04900	Cylinder Assembly			1					
1	061-02800	Cylinder	1		1	1	1	1		1
	061-02900	Cylinder		1					1	
	092-01600	Piston Assembly	2	2		2	2	2	2	2
	092-02100	Piston Assembly			2					
	092-07100	Piston Assembly			2					
2	062-01500	Piston	2	2		2	2	2	2	2
	062-01900	Piston			2					
3	082-02000	Friction Spring			2					
4	101-02700	O-Ring (MS28775-222)	2	2	2	2	2		2	2
	101-23100	O-Ring						2		
	073-01500	Pressure Plate Assembly	1	1	1	1	1	1	1	1
5	063-01500	Pressure Plate	1	1	1	1	1	1	1	1
6	066-10800	Lining	2	2	2	2	2	2	2	2
7	105-00200	Rivet	4	4	4	4	4	4	4	4
	074-01300	Back Plate Assembly	2	2	2	2	2	2	2	2
8	064-01600	Back Plate	2	2	2	2	2	2	2	2
6	066-10800	Lining	2	2	2	2	2	2	2	2
7	105-00200	Rivet	4	4	4	4	4	4	4	4
9	069-00400	Anchor Bolt	2	2	2	2	2	2	2	2
10	094-10300	Nut (MS21044-N4)	2	2	2	2	2	2	2	2
11	103-11600	Bolt		4					4	
	103-11700	Bolt	4		4	4	4	4		4
12	095-10400	Washer (AN960-416)	6	6	6	6	6	6	6	6
13	183-00100	Cap-Bleeder	1	1	1	1	1	1	1	1
14	079-00300	Screw-Bleeder	1	1	1	1	1	1	1	1
15	081-00200	Seat-Bleeder	1	1	1	1	1	1	1	1
16	101-00700	O-Ring (MS28775-012)	1	1	2	1	1		1	
	101-23000	O-Ring						1		
17	094-90500	Nut (AN924-4D)			1					
18	104-02300	Fitting (AN833-4D)			1					
19	075-04100	Torque Plate Assembly	1							
	075-04200	Torque Plate Assembly		1		1				
	075-07200	Torque Plate Assembly			1				1	
	075-10000	Torque Plate Assembly					1			
	075-10300	Torque Plate Assembly						1		
	075-17400	Torque Plate Assembly								1

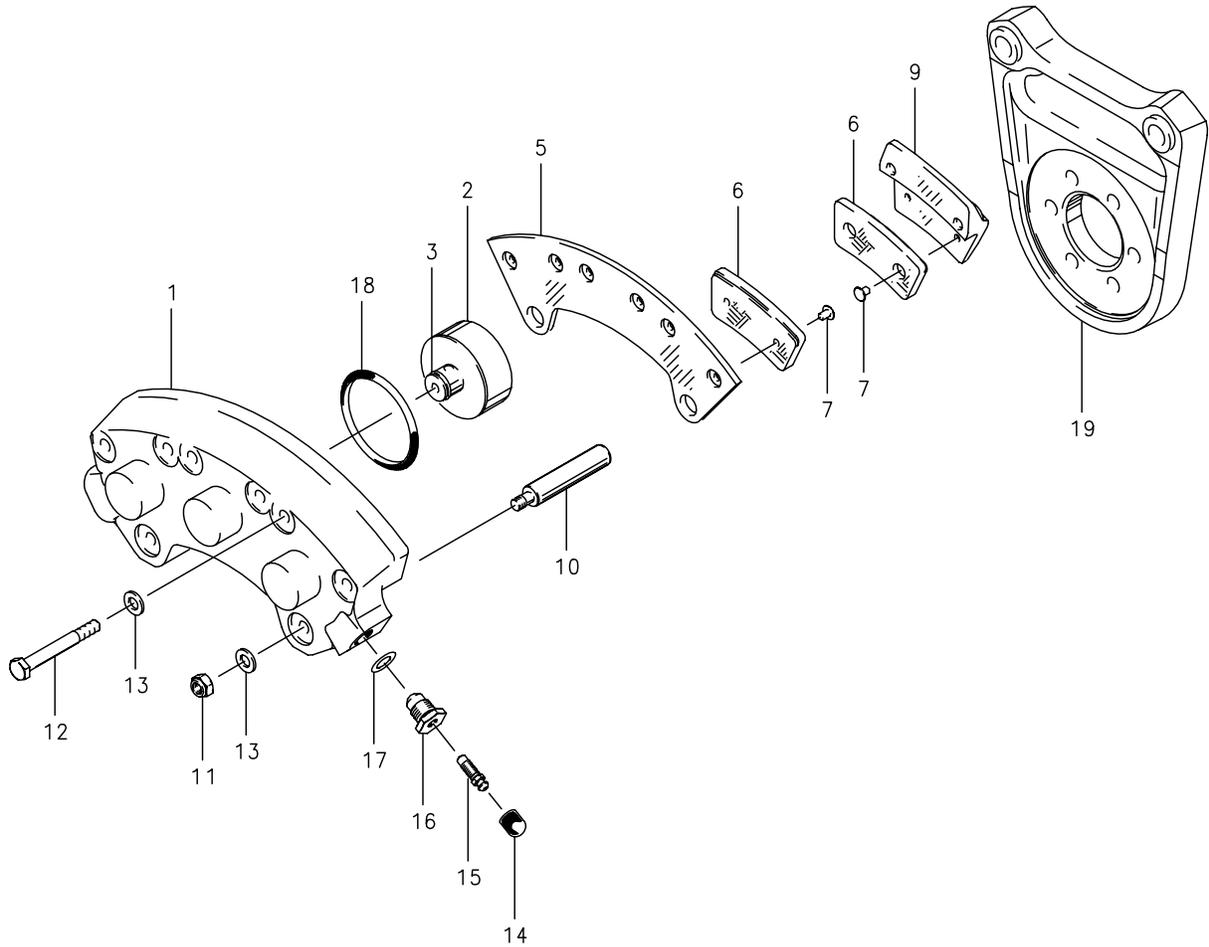
NOTES:

(1) This brake uses automotive brake fluid.



30-89, 30-89A, 30-89B, 30-89C, 30-89E

Organic Lining



30-89, 30-89A, 30-89B, 30-89C, 30-89E

Organic Lining

FIG.	PART NUMBER	DESCRIPTION	QTY. PER ASSY.				
			A	B	C	D	E
	091-07700	Cylinder Assy.	1	1	1	1	1
1	061-05800	Cylinder	1	1	1	1	1
	092-02900	Piston Assy.	3	3	3	3	3
2	062-02700	Piston	3	3	3	3	3
3	082-02000	Friction Spring	3	3	3	3	3
4	073-03000	Pressure Plate Assy.	1	1	1	1	1
5	063-01300	Pressure Plate	1	1	1	1	1
6	066-10800	Lining	3	3	3	3	3
7	105-00200	Rivet	6	6	6	6	6
8	074-02600	Back Plate Assy.	3	3	3	3	3
9	064-01600	Back Plate	3	3	3	3	3
6	066-10800	Lining	3	3	3	3	3
7	105-00200	Rivet	6	6	6	6	6
10	069-00400	Anchor Bolt	2	2	2	2	2
11	094-10003	Nut (MS21044-N4)	2	2	2	2	2
12	103-11700	Bolt	6	6	6	6	6
13	095-10200	Washer (AN960-416L)	8	8	8	8	8
14	183-00100	Cap-Bleeder	1	1	1	1	1
15	079-00300	Screw-Bleeder	1	1	1	1	1
16	081-00200	Seat-Bleeder	1	1	1	1	1
17	101-00700	O-Ring (MS28775-012)	1	1	1	1	1
18	101-23200	O-Ring (MS28775-132)	3	3	3	3	3
19	075-10000	Torque Plate Assy.			1		
	075-04100	Torque Plate Assy.		1			
	075-18200	Torque Plate Assy.				1	
	075-11500	Torque Plate Assy.	1				
	075-11502	Torque Plate Assy.					1

Assy. Number

- A) 30-89 (1) (2)
- B) 30-89A (3)
- C) 30-89B (3)
- D) 30-89C
- E) 30-89E (4)

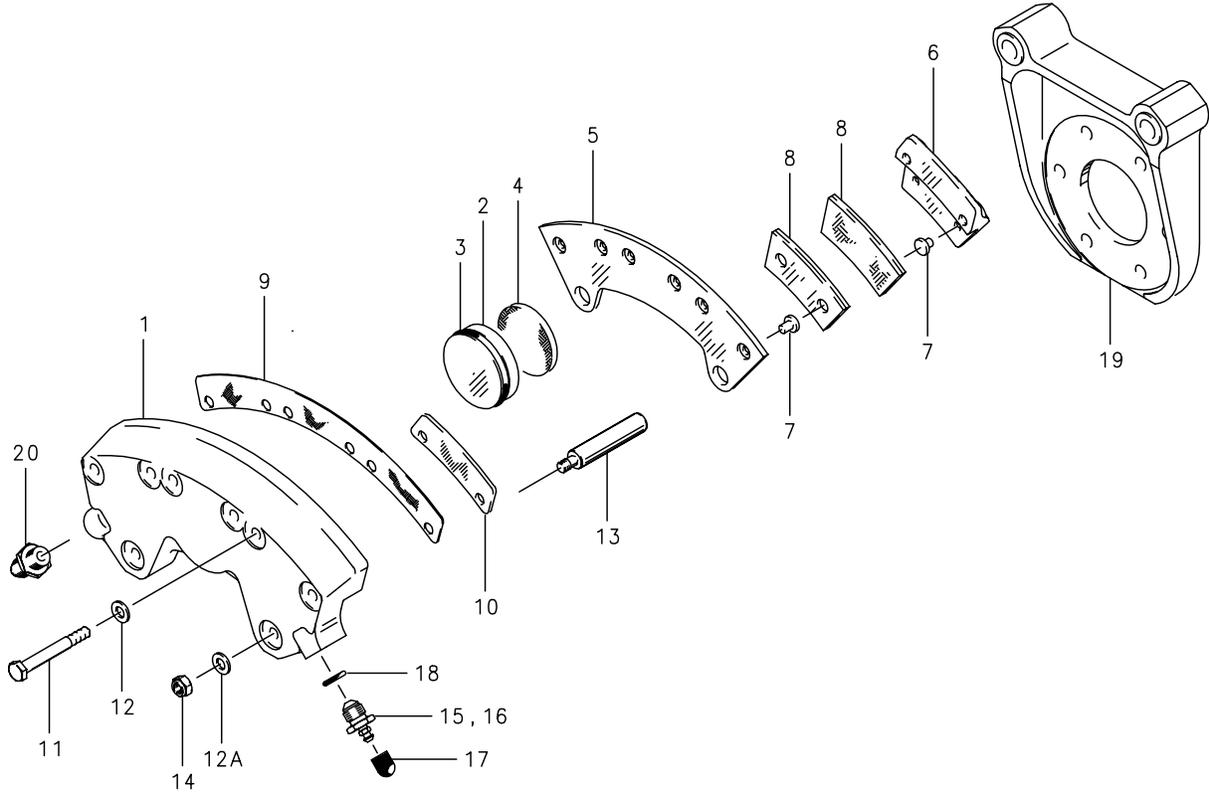
NOTES:

- (1) Uses 075-11500 Torque Plate Assy. for left hand brake and 075-11550 for right hand brake.
- (2) When reordering, specify LH or RH.
- (3) This brake is not FAA TSO approved – order from airframe manufacturer only.
- (4) Uses 075-11502 Torque Plate Assy. for left hand brake and 075-11552 for right hand brake.



30-28B, 30-28C, 30-28D, 30-68, 30-68A, 30-68B

Metallic Lining



Illustrated Parts List

30-28B, 30-28C, 30-28D, 30-68, 30-68A, 30-68B

Metallic Lining

FIG.	PART NO.	DESCRIPTION	PER ASSY.					
			30-28B	30-28C	30-28D	30-68	30-68A (1) (2)	30-68B
	091-01002	Cylinder Assembly	1					
	091-01003	Cylinder Assembly		1				
	091-01004	Cylinder Assembly			1			
	091-01100	Cylinder Assembly				1		
	091-06100	Cylinder Assembly						1
1	061-02600	Cylinder	1	1	1			
	061-03400	Cylinder				1	1	
	061-03401	Cylinder						1
	092-00800	Piston Assembly	3	3	3	3	3	3
2	062-00700	Piston	3	3	3	3	3	3
3	101-02700	O-Ring (MS28775-222)	3	3	3	3	3	3
4	088-00100	Insulator	3	3	3	3	3	3
	073-00500	Pressure Plate Assembly	1	1	1	1	1	1
5	063-00700	Pressure Plate	1	1	1	1	1	1
7	177-00400	Pin	6	6	6	6	6	6
8	066-03300	Lining	6	6	6	6	6	6
9	068-01600	Shim-Insulator	1	1	1	1	1	1
10	(3)	Shim-Back Plate					3	
11	103-12000	Bolt	6	6	6			
	103-12100	Bolt (AN4H15A)				6		
	103-12200	Bolt (AN4H16A)					6	6
12	095-10400	Washer (AN960-416)	6	6	6		8	8
12A	095-10200	Washer (AN960-416L)	2	2	2	8		
13	069-00400	Anchor Bolt	2	2	2	2	2	2
14	094-10300	Nut (MS21044-N4)	2	2	2	2	2	2
15	081-00200	Seat-Bleeder	1	1	1	1	1	1
16	079-00300	Screw-Bleeder	1	1	1	1	1	1
17	183-00100	Cap-Bleeder	1	1	1	1	1	1
18	101-00700	O-Ring (MS28775-012)	1	2	1	1	1	1
20	104-00200	Fitting (AN815-4D)		1				
19	075-01902	Torque Plate Assembly	1					
	075-01903	Torque Plate Assembly			1			
	075-04300	Torque Plate Assembly				1	1	1
	075-08900	Torque Plate Assembly		1				

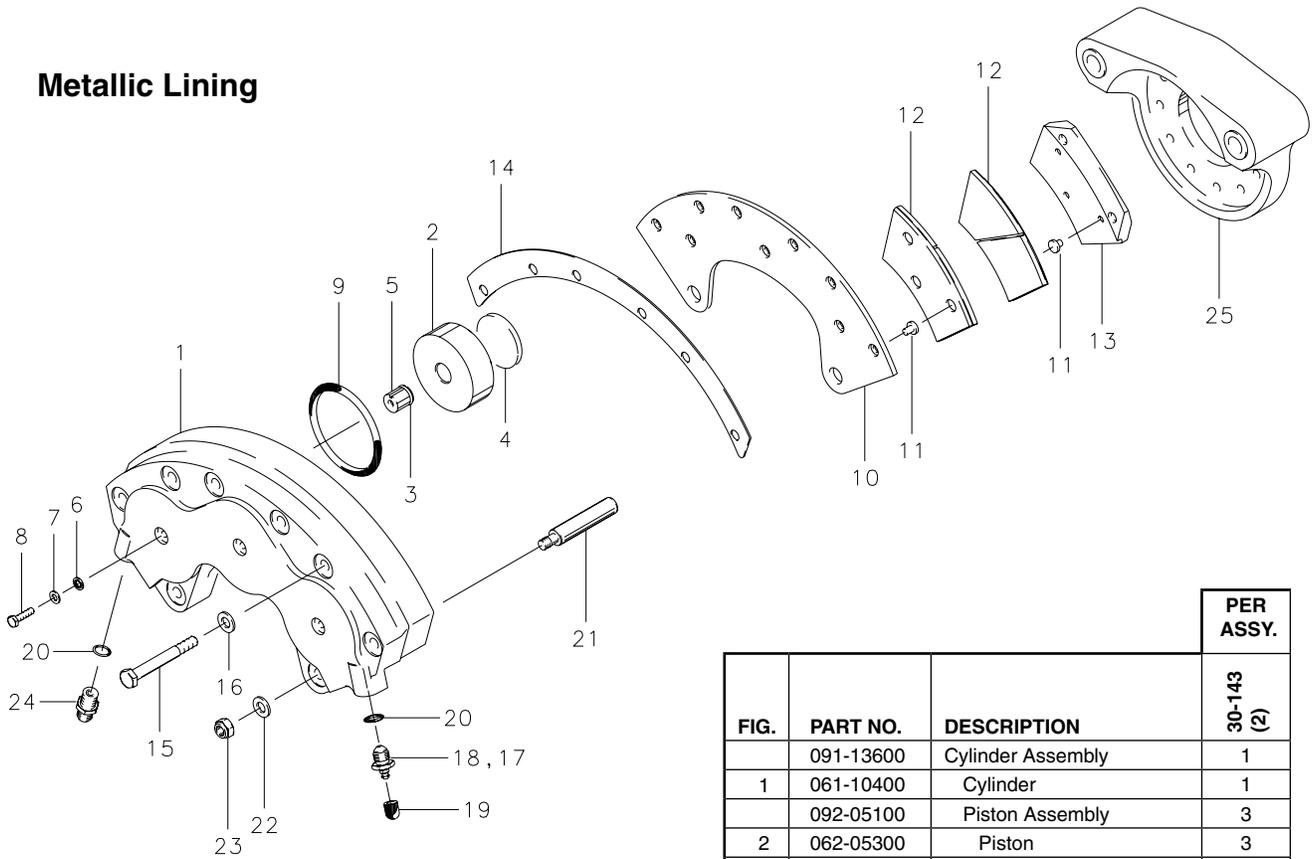
NOTES:

- (1) Inactive assembly – spares support only for parts listed.
- (2) 30-68A superseded by 30-68B.
- (3) Inactive part – no longer available for spares support.



30-143

Metallic Lining



NOTES:

- (1) Use 075-15300 Torque Plate Assy. for left hand brake and 075-15900 for right hand brake.
- (2) When reordering, specify LH or RH.

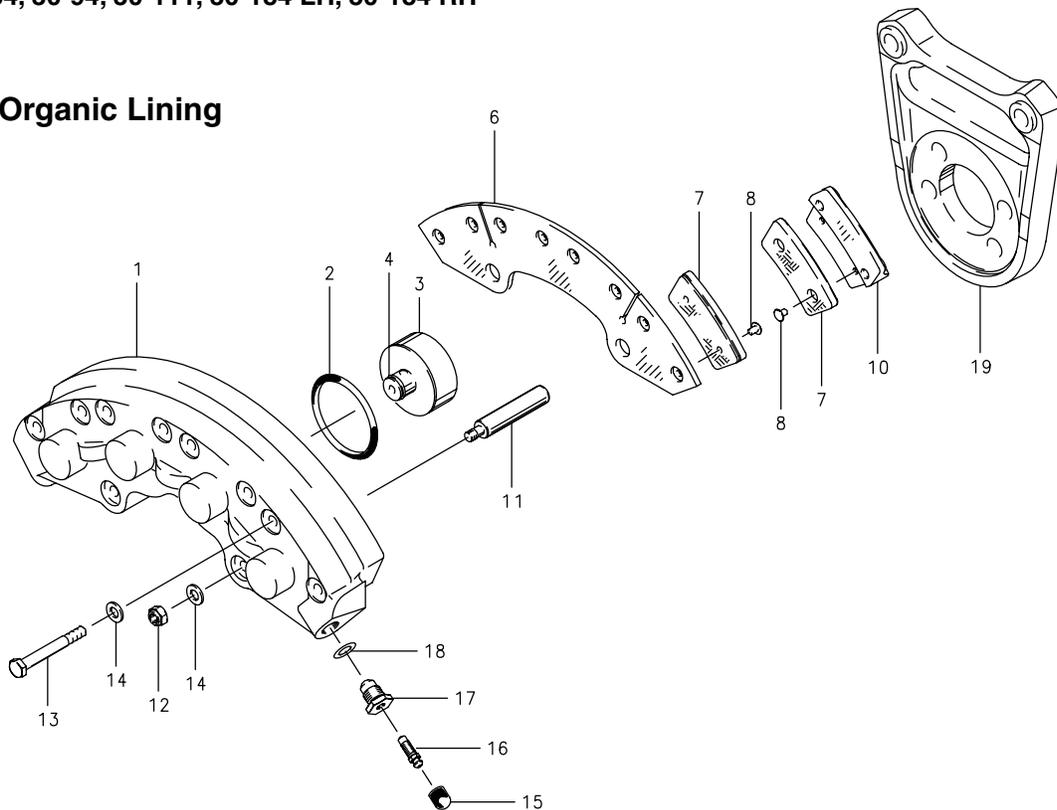
FIG.	PART NO.	DESCRIPTION	PER ASSY.
	091-13600	Cylinder Assembly	30-143
1	061-10400	Cylinder	(2)
	092-05100	Piston Assembly	1
2	062-05300	Piston	3
3	082-02000	Friction Spring	3
4	088-00100	Insulator	3
5	139-08100	Piston Guide	3
6	095-02600	Stat-O-Seal	3
7	095-10800	Washer (AN960-10L)	3
8	103-00100	Bolt (AN3-5A)	3
9	101-25700	O-Ring (MS28775-229)	3
	073-06000	Pressure Plate Assembly	1
10	063-04700	Pressure Plate	1
11	177-01600	Pin	9
12	066-07300	Lining	3
	074-04500	Back Plate Assembly	3
13	064-03800	Back Plate	3
11	177-01600	Pin	9
12	066-07300	Lining	3
14	068-04000	Shim-Insulator	1
15	103-22500	Bolt (AN5H-22A)	6
16	095-10500	Washer (AN960-516)	6
17	081-00200	Seat-Bleeder	1
18	079-00300	Screw-Bleeder	1
19	183-00100	Cap-Bleeder	1
20	101-00700	O-Ring (MS28775-012)	2
21	069-01200	Anchor Bolt	2
22	095-10700	Washer (AN960-516L)	2
23	094-10400	Nut (MS21044-N5)	2
24	104-00200	Fitting (AN815-4D)	1
25	(1)	Torque Plate Assembly	1

Illustrated Parts List

**Brake Assembly – 10” External
Single Cylinder, Four Piston**

30-84, 30-94, 30-111, 30-184 LH, 30-184 RH

Organic Lining



Assy. Number

- A) 30-84
- B) 30-94
- C) 30-111 (1) (2)
- D) 30-184 LH (2)
- E) 30-184 RH (2)

NOTES:

- (1) This brake uses automotive type brake fluid.
- (2) This brake is not FAA TSO approved – order from airframe manufacturer only.

FIG.	PART NUMBER	DESCRIPTION	QTY. PER ASSY.				
			A	B	C	D	E
	091-07200	Cylinder Assy.		1			
	091-07201	Cylinder Assy.			1		
	091-17600	Cylinder Assy.				1	1
1	061-05500	Cylinder	1	1	1	1	1
2	101-23200	O-Ring (MS28775-132)	4	4		4	4
	101-23400	O-Ring			4		
	092-02900	Piston Assy.	4	4	4	4	4
3	062-02700	Piston	4	4	4	4	4
4	082-02000	Friction Spring	4	4	4	4	4
5	073-02600	Pressure Plate Assy.	1	1	1	1	1
6	063-02500	Pressure Plate	1	1	1	1	1
7	066-10800	Lining	4	4	4	4	4
8	105-00200	Rivet	8	8	8	8	8
9	074-02200	Back Plate Assy.	4	4	4	4	4
10	064-01600	Back Plate	4	4	4	4	4
7	066-10800	Lining	4	4	4	4	4
8	105-00200	Rivet	8	8	8	8	8
11	069-00400	Anchor Bolt	2	2	2	2	2
12	094-10300	Nut (MS21044-N4)	2	2	2	2	2
13	103-11800	Bolt	8	8	8	8	8
14	095-10400	Washer (AN960-416)	10	10	10	10	10
15	183-00100	Cap-Bleeder	1	1	1	1	1
16	079-00300	Screw-Bleeder	1	1	1	1	1
17	081-00200	Seat-Bleeder	1	1	1	1	1
18	101-00700	O-Ring (MS28775-012)	1	1		1	1
	101-23000	O-Ring			1		
	075-11000	Torque Plate Assy.		1			
19	075-11501	Torque Plate Assy.				1	
	075-13500	Torque Plate Assy.			1		
	075-11551	Torque Plate Assy.					1

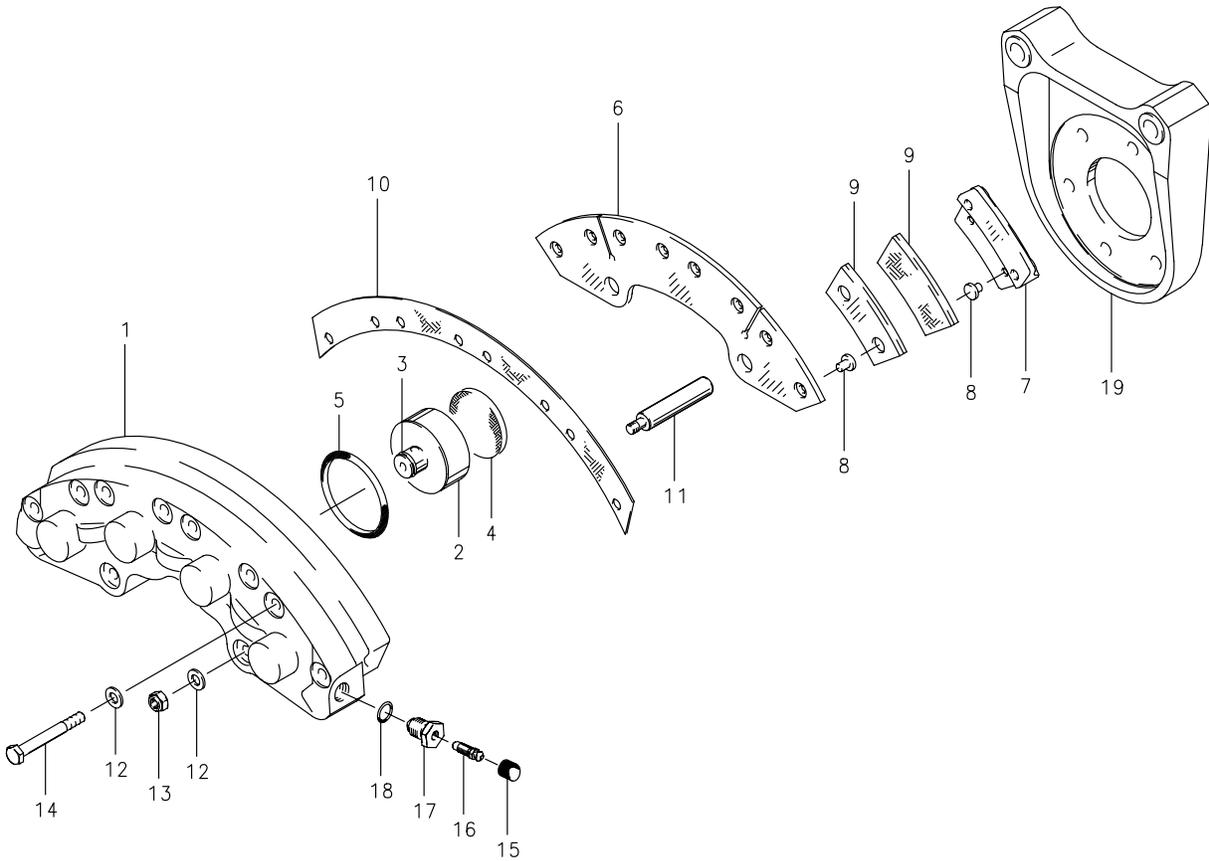
Cleveland
Wheels & Brakes



Illustrated Parts List

30-95, 30-95A, 30-95B, 30-99, 30-100

Metallic Lining



Illustrated Parts List

30-95, 30-95A, 30-95B, 30-99, 30-100

Metallic Lining

FIG.	PART NO.	DESCRIPTION	PER ASSY.					
			30-95 (1) (2) (3)	30-95A (3) (4)	30-95B (3) (4)	30-99	30-100	
	091-08000	Cylinder Assembly					1	
	091-09100	Cylinder Assembly				1		
	091-10100	Cylinder Assembly		1				
	091-13800	Cylinder Assembly			1			
1	061-04900	Cylinder		1	1	1		
	061-05400	Cylinder					1	
	(5)	Cylinder	1					
	092-02800	Piston Assembly	4					
	092-03400	Piston Assembly					4	
	092-03700	Piston Assembly		4	4	4		
2	062-02600	Piston	4					
	062-03200	Piston		4	4	4	4	
3	082-02000	Friction Spring	4	4	4	4	4	
4	088-00100	Insulator	4	4	4	4	4	
5	101-23200	O-Ring (MS28775-132)	4	4		4	4	
	101-26200	O-Ring			4			
	073-03200	Pressure Plate Assembly	1					
	073-04000	Pressure Plate Assembly		1	1	1	1	
6	063-02600	Pressure Plate	1	1	1	1	1	
8	177-00400	Pin-Lining	8					
	177-01600	Pin-Lining		8	8	8	8	
9	066-03300	Lining	4					
	066-06600	Lining		4	4	4	4	
	074-02500	Back Plate Assembly	4					
	074-03200	Back Plate Assembly		4	4	4		
	074-03400	Back Plate Assembly					4	
7	064-02700	Back Plate	4	4	4	4	4	
8	177-00400	Pin-Lining	8					
	177-01600	Pin-Lining		8	8	8	8	
9	066-03300	Lining	4					
	066-06600	Lining		4	4	4	4	
10	068-02800	Shim-Insulator	1	1	1	1		
	068-03100	Shim-Insulator					1	
11	069-00400	Anchor Bolt	2	2	2		2	
	069-01900	Anchor Bolt				2		
12	095-10200	Washer (AN960-416L)	10	10	10	10	10	
13	094-10300	Nut (MS21044-N4)	2	2	2	2	2	
14	103-10400	Bolt (AN4-15A)	8					
	103-11800	Bolt				8	8	
	103-12400	Bolt (AN4H-21A)		8	8			
15	183-00100	Cap-Bleeder	1	1	1	1	1	
16	079-00300	Screw-Bleeder	1	1	1	1	1	
17	081-00200	Seat-Bleeder	1	1	1	1	1	
18	101-00700	O-Ring (MS28775-012)	1	1	1	1	1	
19	075-01902	Torque Plate Assembly					1	
	075-11800	Torque Plate Assembly				1		

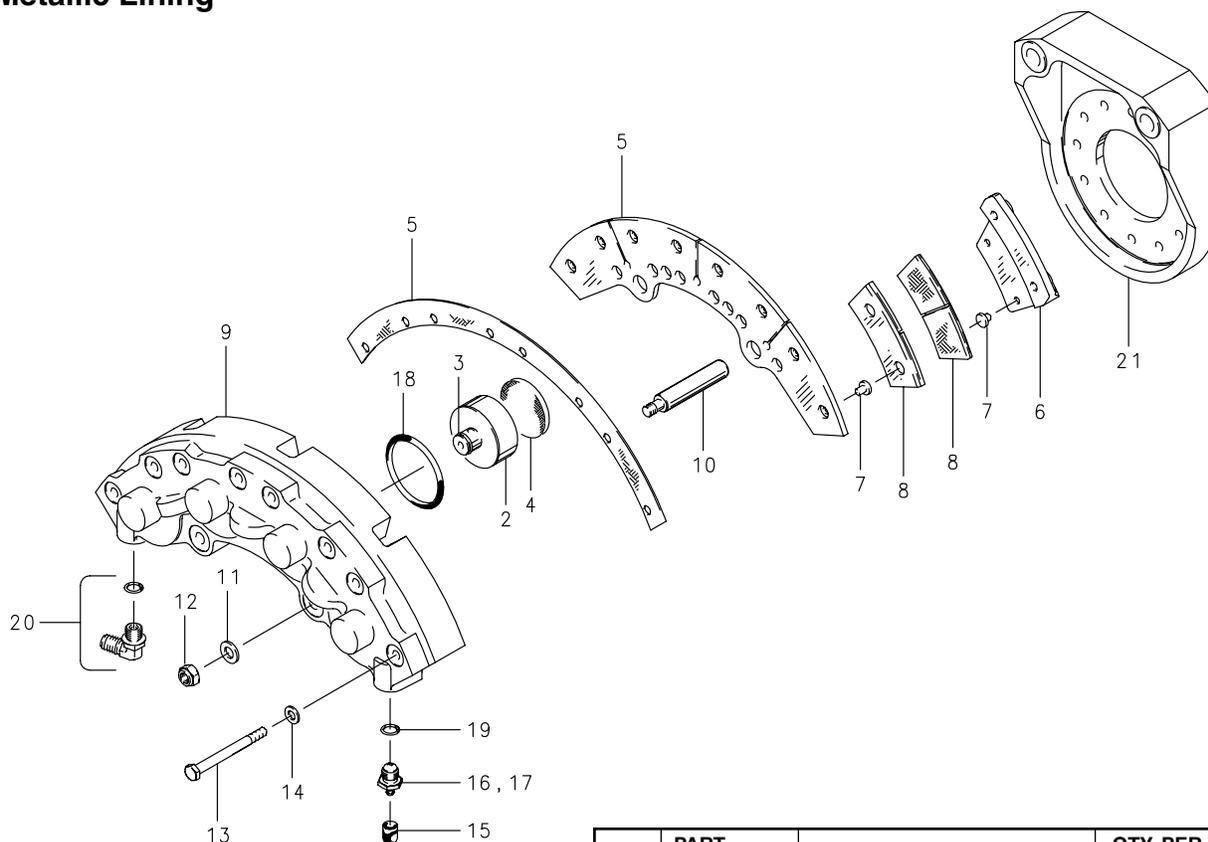
NOTES:

- (1) 30-95 superseded by 30-95A LH.
- (2) Inactive assembly – spares support only for parts listed.
- (3) Uses 075-11100 Torque Plate Assy. for left hand brake and 075-11150 Torque Plate Assy. for right hand brake.
- (4) When reordering, specify LH or RH.
- (5) Inactive part – no longer available for spares support.



30-97, 30-113, 30-113A

Metallic Lining



Assy. Number

- A) 30-97
- B) 30-113 (1) (2)
- C) 30-113A

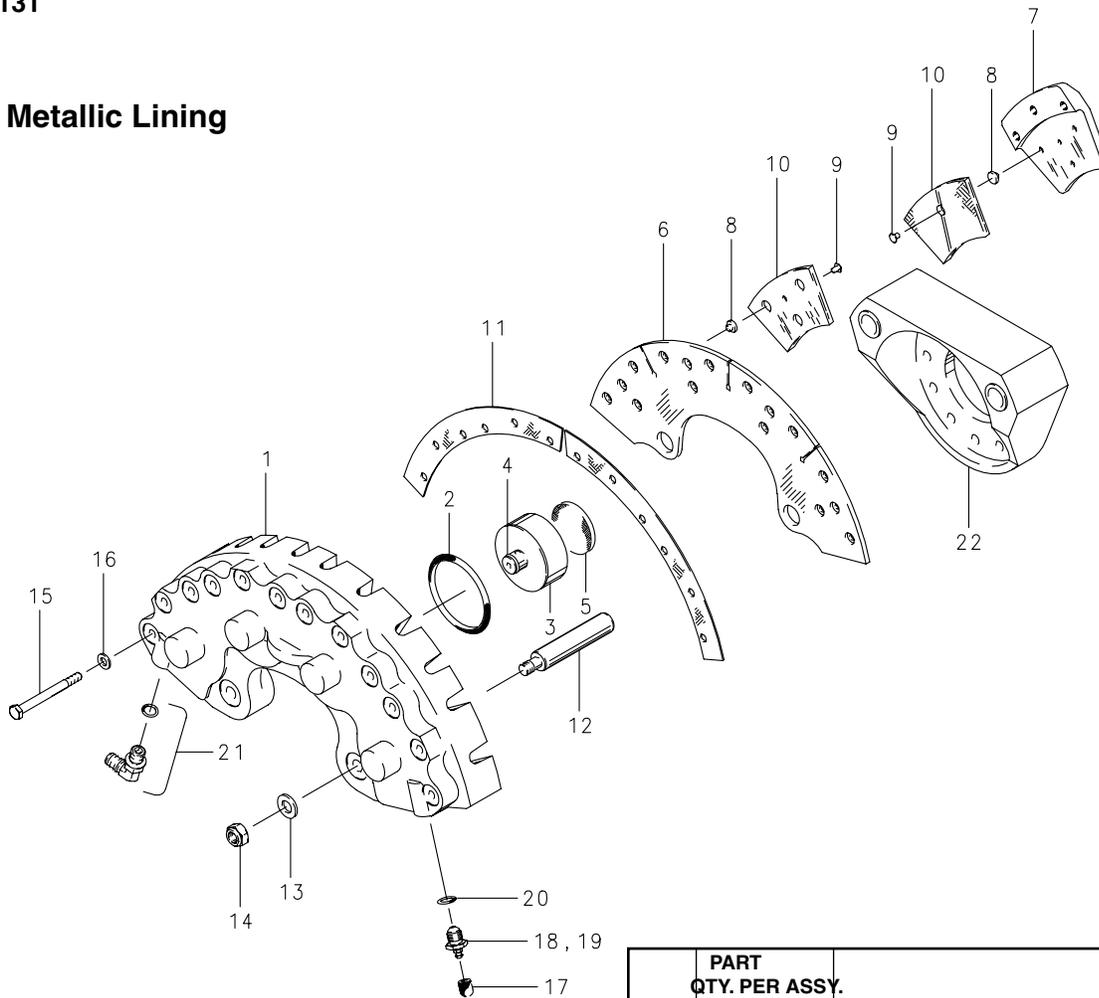
NOTES:

- (1) Inactive assembly – spares support only for parts listed.
- (2) 30-113 superseded by 30-113A.

FIG.	PART NUMBER	DESCRIPTION	QTY. PER ASSY.		
			A	B	C
1	091-10700	Cylinder Assy.	1	1	1
	061-08600	Cylinder	1	1	1
	092-04300	Piston Assy.	4	4	4
2	062-03200	Piston	4	4	4
3	082-02000	Friction Spring	4	4	4
4	088-00100	Insulator	4	4	4
	073-04900	Pressure Plate Assy.	1	1	1
5	063-03600	Pressure Plate	1	1	1
	074-02400	Back Plate Assy.	4	4	4
6	064-02400	Back Plate	4	4	4
7	177-01600	Pin-Lining	16	16	16
8	066-06400	Lining	8	8	8
9	068-02900	Shim-Insulator	1	1	1
10	069-01200	Anchor Bolt	2	2	2
11	095-10700	Washer (AN960-516L)	2	2	2
12	094-10400	Nut (MS21044-N4)	2	2	2
13	103-14300	Bolt	8	8	8
14	095-10400	Washer (AN960-416)	8	8	8
15	183-00100	Cap-Bleeder	1	1	1
16	079-00300	Screw-Bleeder	1	1	1
17	081-00200	Seat-Bleeder	1	1	1
18	101-05200	O-Ring (MS28775-224)	4	4	4
19	101-00700	O-Ring (MS28775-012)	1	1	1
20	104-03100	Fitting	1		
21	075-11300	Torque Plate Assy.	1		
	075-13900	Torque Plate Assy.		1	1

30-131

Metallic Lining



Assy. Number

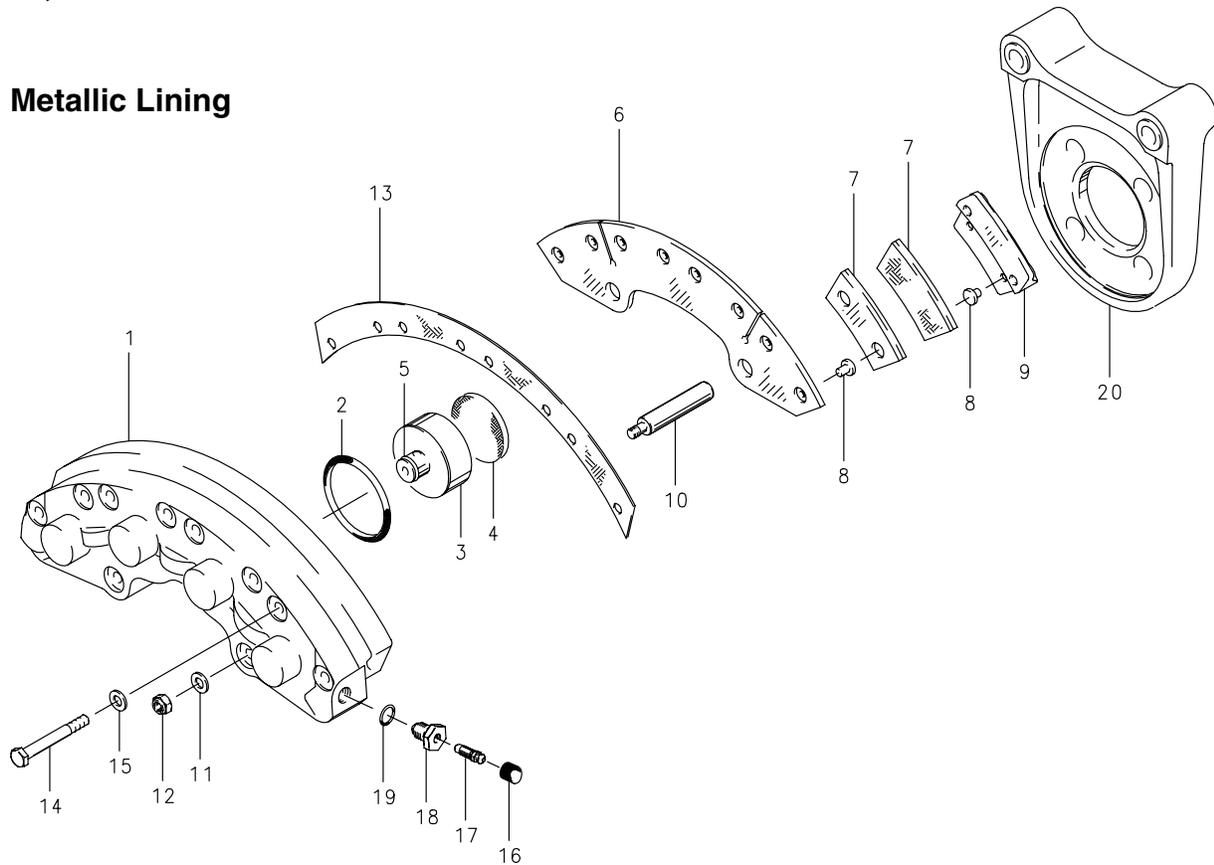
A) 30-131

FIG.	PART QTY. PER ASSY. NUMBER	DESCRIPTION	A
	091-13000	Cylinder Assy.	1
1	061-10100	Cylinder	1
2	101-24200	O-Ring	4
	092-05300	Piston Assy.	4
3	062-05400	Piston	4
4	082-02000	Friction Spring	4
5	088-00100	Insulator	4
	073-05700	Pressure Plate Assy.	1
6	063-04400	Pressure Plate	1
	074-04700	Back Plate Assy.	4
7	064-03200	Back Plate	4
8	177-01600	Pin	24
9	105-00200	Rivet	8
10	066-09000	Lining	8
11	068-03300	Shim-Insulator	2
12	069-01800	Anchor Bolt	2
13	095-10600	Washer (AN960-616)	2
14	094-10100	Nut (MS21042-6)	2
15	103-14500	Bolt	12
16	095-10400	Washer (AN960-416)	12
17	183-00100	Cap-Bleeder	1
18	079-00300	Screw-Bleeder	1
19	081-00200	Seat-Bleeder	1
20	101-00700	O-Ring (MS28775-012)	1
21	104-03100	Fitting	1

4

30-163, 30-182

Metallic Lining



Assy. Number

A) 30-163 (1)

B) 30-182

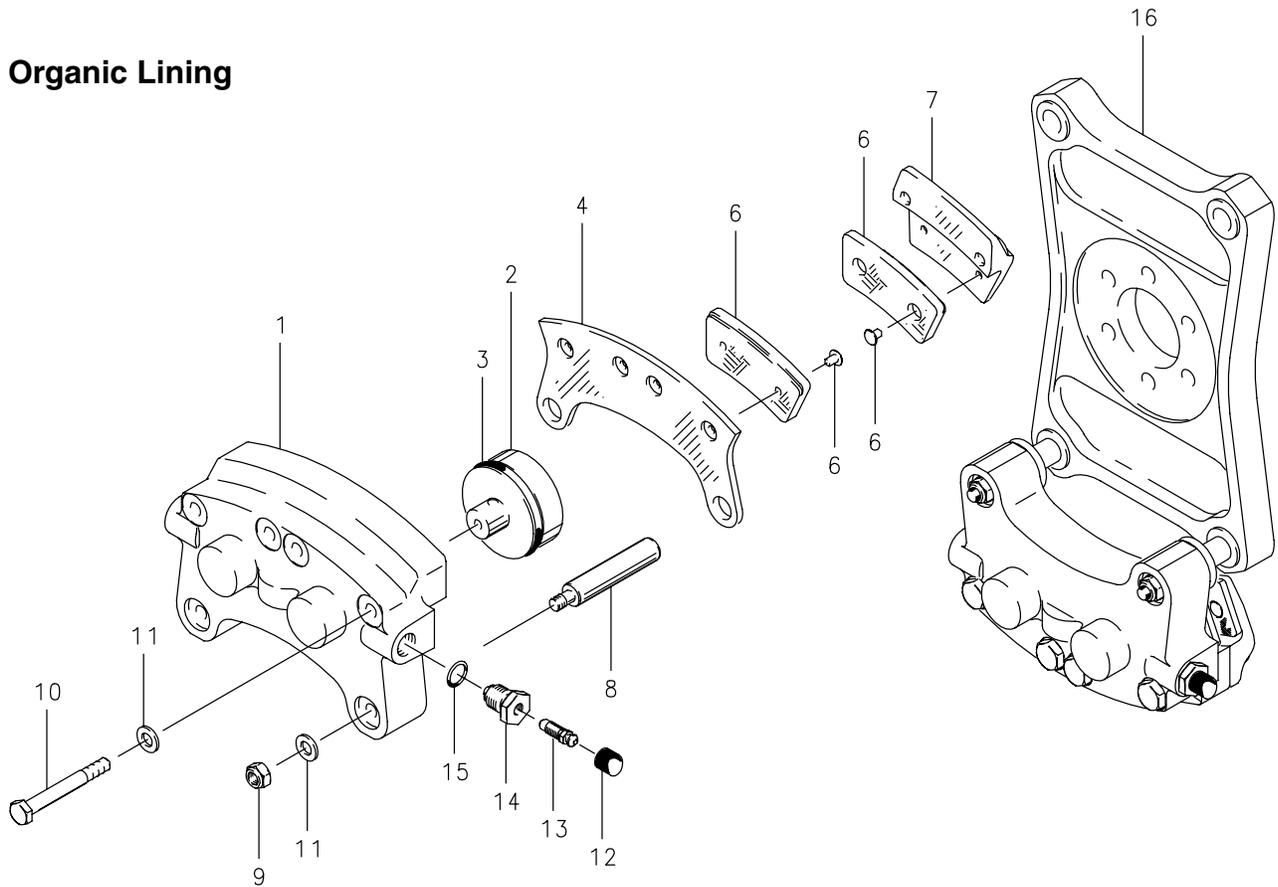
NOTES:

(1) When reordering, specify
 LH or RH.

FIG.	PART NUMBER	DESCRIPTION	QTY. PER ASSY.	
			A	B
	091-16100	Cylinder Assy.	1	1
1	061-11800	Cylinder	1	1
2	101-05200	O-Ring (MS28775-224)	4	4
	092-06700	Piston Assy.	4	4
3	062-06700	Piston	4	4
4	088-00100	Insulator	4	4
5	082-02000	Friction Spring	4	4
	073-08500	Pressure Plate Assy.	1	1
6	063-02500	Pressure Plate	1	1
8	177-00300	Pin	8	8
7	066-03300	Lining	4	4
	074-06600	Back Plate Assy.	4	4
9	064-01600	Back Plate	4	4
8	177-00300	Pin	8	8
7	066-03300	Lining	4	4
10	069-01900	Anchor Bolt	2	2
11	095-10200	Washer (AN960-416L)	2	2
12	094-10300	Nut (MS21044-N4)	2	2
13	068-02800	Shim-Insulator	1	1
14	103-14300	Bolt	8	8
15	095-10400	Washer (AN960-416)	8	8
16	183-00100	Cap-Bleeder	1	1
17	079-00300	Screw-Bleeder	1	1
18	081-00500	Seat-Bleeder	1	1
19	101-50011	O-Ring (MS28775-011)	1	1
20	075-16800	Torque Plate Assy.	1	
	075-17100	Torque Plate Assy.		1

30-67E

Organic Lining



Assy. Number

A) 30-67E

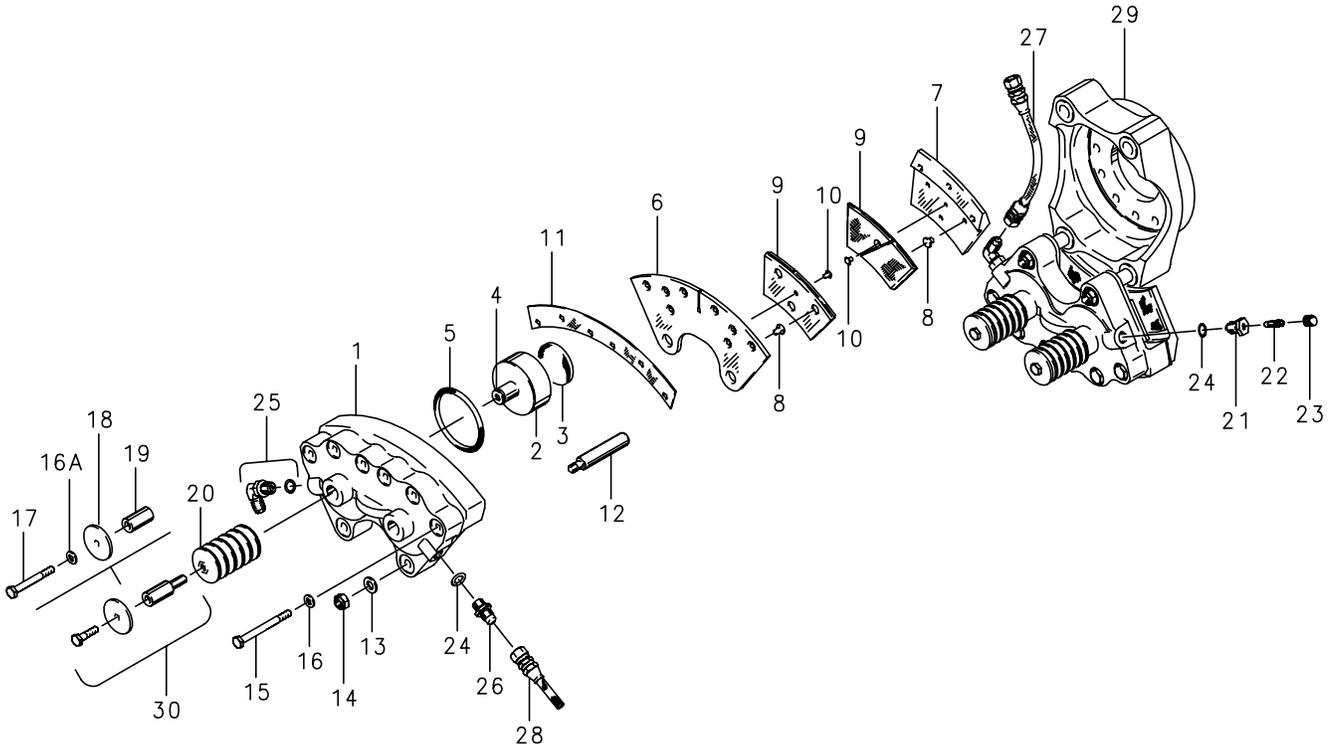
FIG.	PART NUMBER	DESCRIPTION	QTY. PER ASSY.
	091-03000	Cylinder Assy.	2
1	061-02800	Cylinder	2
	092-01600	Piston Assy.	4
2	062-01500	Piston	4
3	101-02700	O-Ring (MS28775-222)	4
	073-01500	Pressure Plate Assy.	2
4	063-01500	Pressure Plate	2
5	066-10800	Lining	4
6	105-00200	Rivet	8
	074-01300	Back Plate Assy.	4
7	064-01600	Back Plate	4
5	066-10800	Lining	4
6	105-00200	Rivet	8
8	069-00400	Anchor Bolt	4
9	094-10300	Nut (MS21044-N4)	4
10	103-11700	Bolt	8
11	095-10400	Washer (AN960-416)	12
12	183-00100	Cap-Bleeder	2
13	079-00300	Screw-Bleeder	2
14	081-00200	Seat-Bleeder	2
15	101-00700	O-Ring (MS28775-012)	2
16	075-15800	Torque Plate Assy.	1

Cleveland
 Wheels & Brakes



30-107, 30-107A, 30-107B, 30-159, 30-159A

Metallic Lining



Illustrated Parts List

30-107, 30-107A, 30-107B, 30-159, 30-159A

Metallic Lining

FIG.	PART NUMBER	DESCRIPTION	QTY. PER ASSY.				
			A	B	C	D	E
1	061-11400	Cylinder				2	2
	061-09000	Cylinder	2	2	2		
	092-04500	Piston Assy.	4		4		
	092-04800	Piston Assy.		4			
	062-04700	Piston	4	4	4		
2	(9)	Piston				4	4
3	088-00100	Insulator-Piston	4	4	4	4	4
4	101-24900	O-Ring	4		4	4	4
	101-25000	O-Ring		4			4
5	101-24200	O-Ring	4		4		
	101-24500	O-Ring		4			
	101-05200	O-Ring (MS28775-224				4	
	101-21500	O-Ring					4
	073-06200	Pressure Plate Assy.	2	2	2	2	2
6	063-03500	Pressure Plate	2	2	2	2	2
8	177-01600	Pin-Lining	12	12	12	12	12
9	066-09000	Lining	4	4	4	4	4
10	105-00200	Rivet	4	4	4	4	4
	074-04700	Back Plate Assy.	4	4	4	4	4
7	064-03200	Back Plate	4	4	4	4	4
8	177-01600	Pin-Lining	12	12	12	12	12
9	066-09000	Lining	4	4	4	4	4
10	105-00200	Rivet	4	4	4	4	4
11	068-03300	Shim-Insulator	4	4	4	2	2
12	069-01200	Anchor Bolt	4	4	4	4	4
13	095-10500	Washer (AN960-516)	4		4	4	4
	095-10700	Washer (AN960-516L)		4			
14	094-10400	Nut (MS21044-N5)	4	4	4	4	4
15	103-14500	Bolt	12	12	12		
	103-14200	Bolt				12	12
16	095-10200	Washer (AN960-416L)		12			
	095-10400	Washer (AN960-416)	12	12	12	12	12
16A	095-10200	Washer (AN960-416L)	4	4			
17	103-11500	Bolt	4	4			
	(9)	Bolt			4	4	4
18	(9)	Washer	4	4	4	4	4
19	(9)	Guide-Spring	4	4	4	4	4
20	(9)	Washer-Bellville	56	56	44	48	48
21	081-00200	Seat-Bleeder	1	1	1	1	1
22	079-00300	Screw-Bleeder	1	1	1	1	1
23	183-00100	Cap-Bleeder	1	1	1	1	1
24	101-23000	O-Ring		4			4
	101-24600	O-Ring	2		2	2	
25(6)	104-03100	Fitting	2		2		
	104-05500	Fitting		2		2	2
26	104-04900	Fitting	1	1	1	1	1
27	207-01100	Hose Assy.-Link	1	1	1	1	1
28	207-01300	Hose Assy.-Inlet	1	1	1	1	1
29	075-13400	Torque Plate Assy.	1	1	1		
	075-16700	Torque Plate Assy.				1	1
30(5)	(9)	Stud Assy.	4	4	4		

Assy. Number

- A) 30-107 (1) (3)
- B) 30-107A (1) (2) (4)
- C) 30-107B (1) (3)
- D) 30-159 (1) (7) (10) (11)
- E) 30-159A (1) (2) (8)

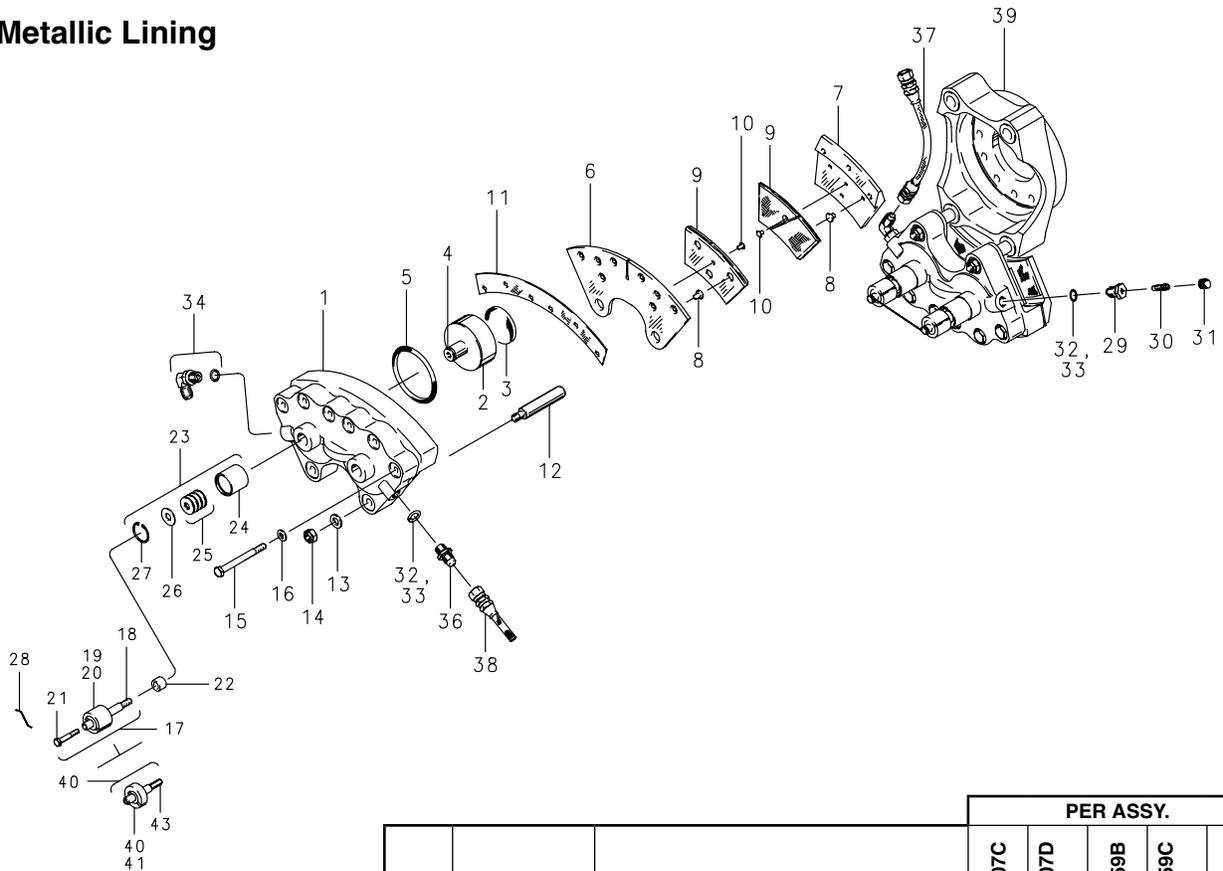
NOTES:

- (1) Inactive assembly – spares support only for parts listed.
- (2) Used Skydrol Fluid.
- (3) 199-130 Brake Upgrade Kit converts 30-107 or 30-107B to 30-107C. TSO approved per PRM 36.
- (4) 199-130A Brake Upgrade Kit converts 30-107A to 30-107D. TSO approved per PRM 38.
- (5) Stud Assy. replaced by items 17, 18 and 19 after 11/83.
- (6) O-ring is part of Fitting Assy. For replacement O-ring, order P/N 101-24600.
- (7) 30-159 superseded by 30-159B.
- (8) 30-159A superseded by 30-159C.
- (9) Inactive part – no longer available for spares support.
- (10) 199-94 Brake Retract Kit retrofits 30-159 brake to use new style retracts. TSO approved per PRM 49.
- (11) 199-173 Brake Retract Kit same as 199-94, except does not include new cylinders and pistons.



30-107C, 30-107D, 30-107E, 30-159B, 30-159C

Metallic Lining



NOTES:

- (1) O-ring is part of Fitting Assy.
 For replacement O-ring, order P/N 101-24600.
- (2) Uses Skydrol Fluid.

FIG.	PART NO.	DESCRIPTION	PER ASSY.				
			30-107C	30-107D (2)	30-159B	30-159C (2)	30-107E
	091-16600	Cylinder Assembly	2				
	091-17000	Cylinder Assembly		2			
	091-15102	Cylinder Assembly			2		
	091-15103	Cylinder Assembly				2	
	091-22000	Cylinder Subassembly, Leading					1
	091-22001	Cylinder Subassembly, Trailing					1
1	061-09000	Cylinder	2	2			
	061-11400	Cylinder			2	2	2
	092-04500	Piston Assembly	4				
	092-04800	Piston Assembly		4			
	092-07800	Piston Assembly			4		4
	092-07801	Piston Assembly				4	
2	062-04700	Piston	4	4			
	062-08500	Piston			4	4	4
3	088-00100	Instulator	4	4	4	4	4
4	101-24900	O-Ring	4		4		4
	101-25000	O-Ring		4		4	
5	101-24200	O-Ring	4				4
	101-24500	O-Ring		4			
	101-05200	O-Ring (MS28775-224)			4		
	101-21500	O-Ring				4	

(Continued on next page)

Illustrated Parts List

30-107C, 30-107D, 30-107E, 30-159B, 30-159C

Metallic Lining

(Continued from previous page)

FIG.	PART NO.	DESCRIPTION	PER ASSY.				
			30-107C	30-107D (2)	30-159B	30-159C (2)	30-107E
	073-06200	Pressure Plate Assembly	2	2	2	2	2
6	063-03500	Pressure Plate	2	2	2	2	2
8	177-01600	Pin-Lining	12	12	12	12	12
9	066-09000	Lining	4	4	4	4	4
10	105-00200	Rivet	4	4	4	4	4
	074-04700	Back Plate Assembly	4	4	4	4	4
7	064-03200	Back Plate	4	4	4	4	4
8	177-01600	Pin-Lining	12	12	12	12	12
9	066-09000	Lining	4	4	4	4	4
10	105-00200	Rivet	4	4	4	4	4
11	068-03300	Shim-Insulator	2	2	2	2	2
12	069-01200	Anchor Bolt	4	4	4	4	4
13	095-10500	Washer (AN960-516)	4	4	4	4	4
14	094-10400	Nut (MS21044-N5)	4	4	4	4	4
15	103-14500	Bolt	12	12			
	103-14200	Bolt			12	12	12
16	095-10400	Washer (AN960-416)	12	12	12	12	12
17	139-13100	Stud Assembly	4	4	4	4	
18	139-12900	Stud	4	4	4	4	
19	139-12700	Friction Sleeve	4	4	4	4	
20	139-12800	Friction Sleeve	4	4	4	4	
21	103-01300	Bolt	4	4	4	4	
22	067-08000	Spacer	4	4	4	4	
23	139-13300	Cup Assembly	4	4	4	4	4
24	139-13400	Cup	4	4	4	4	4
25	095-03700	Disc Spring	32	32	32	32	32
26	095-03600	Washer	4	4	4	4	4
27	155-08200	Snap Ring	4	4	4	4	4
28	-----	Lockwire (MS20995C32)	AR	AR	AR	AR	AR
29	081-00200	Seat-Bleeder	1	1	1	1	1
30	079-00300	Screw-Bleeder	1	1	1	1	1
31	183-00100	Cap-Bleeder	1	1	1	1	1
32	101-23000	O-Ring		4		2	
33	101-24600	O-Ring	2		2		2
34	104-03100	Fitting (1)	2		2	2	2
	104-05500	Fitting (1)		2			
36	104-04900	Fitting	1	1	1	1	1
37	207-01100	Hose Assembly Link	1	1	1	1	1
38	207-01300	Hose Assembly Inlet	1	1	1	1	1
39	075-13400	Torque Plate Assembly	1	1			
	075-16700	Torque Plate Assembly			1	1	1
40	111-11600	Retract Stud Assembly					4
41	200-02300	Return Collar Spring					2
42	203-00500	Friction Ring					2
43	177-04400	Friction Pin					2

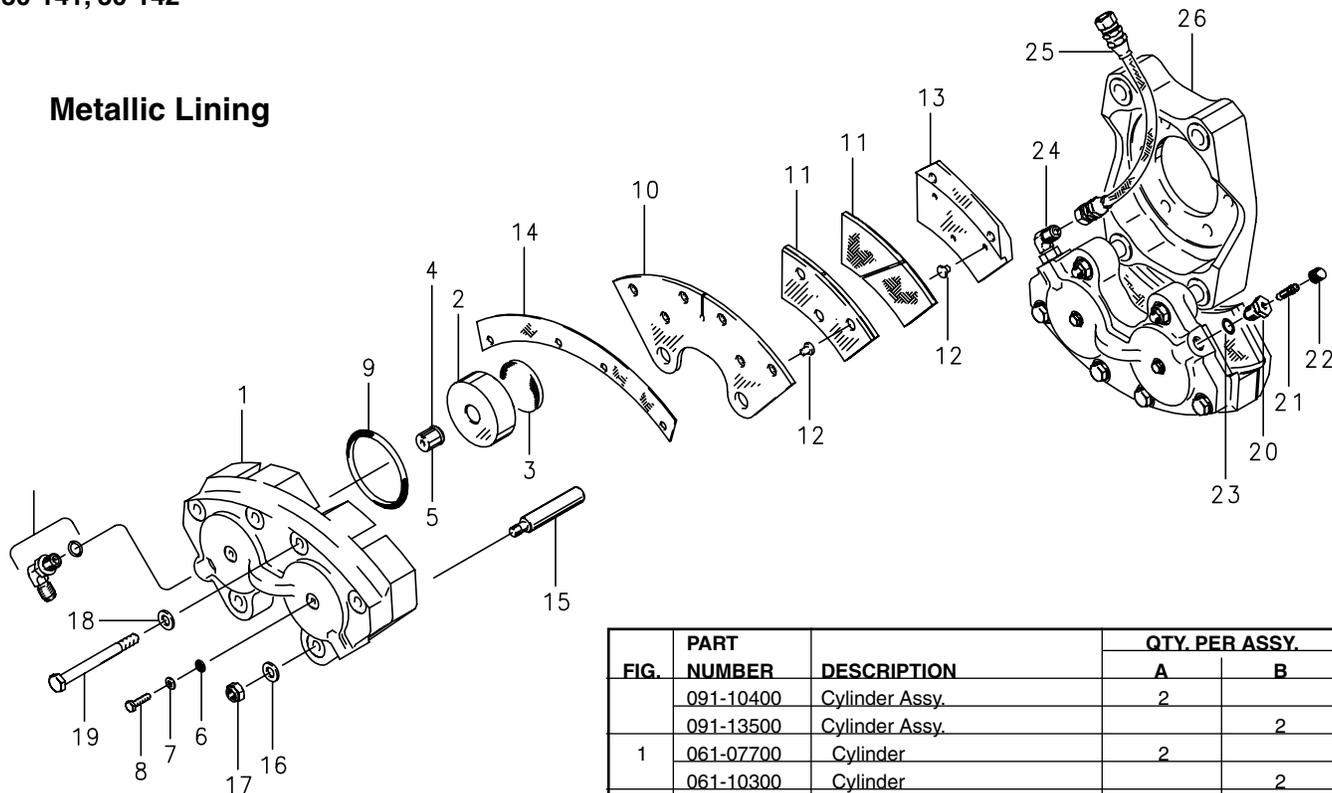
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Illustrated Parts List

**Brake Assembly – 10” External
Dual Cylinder, Dual Piston**

30-141, 30-142

Metallic Lining



Assy. Number

- A) 30-141
- B) 30-142

NOTES:

(1) Illustrated assembly is 30-142.

FIG.	PART NUMBER	DESCRIPTION	QTY. PER ASSY.	
			A	B
1	091-10400	Cylinder Assy.	2	
	091-13500	Cylinder Assy.		2
	061-07700	Cylinder	2	
	061-10300	Cylinder		2
	092-04100	Piston Assy.		4
2	092-05400	Piston Assy.	4	
	062-04100	Piston		4
	062-05500	Piston	4	
	088-00100	Insulator	4	4
4	082-02000	Friction	4	4
5	139-08100	Piston Guide	4	4
6	095-02600	Stat-O-Seal	4	4
	095-10800	Washer (AN960-10L)	4	4
8	103-00100	Bolt (AN3-5A)	4	4
	101-24200	O-Ring		4
	101-27300	O-Ring (MS28775-223)	4	
	073-05900	Pressure Plate Assy.	2	2
10	063-04600	Pressure Plate	2	2
11	066-07300	Lining	8	8
	177-01600	Pin	24	24
	074-04500	Back Plate Assy.	4	4
	064-03800	Back Plate	4	4
14	068-03900	Shim-Insulator	2	2
15	069-01200	Anchor Bolt	4	4
16	095-10700	Washer (AN960-516L)	4	4
	094-10400	Nut (MS21044-N5)	4	4
17	095-10700	Washer (AN960-516L)	8	
	095-10500	Washer (AN960-516)		8
18	103-22500	Bolt (AN5H-22A)	8	8
20	081-00200	Bleeder Seat	1	1
21	079-00300	Bleeder Screw	1	1
22	183-00100	Bleeder Cap	1	1
23	101-00700	O-Ring (MS28775-012)	3	3
24	104-03100	Fitting	2	2
25	207-00800	Hose Assy.	1	1
26	075-13700	Torque Plate Assy.	1	1

Illustrated Parts List

30-144, 30-144A, 30-144B

Metallic Lining

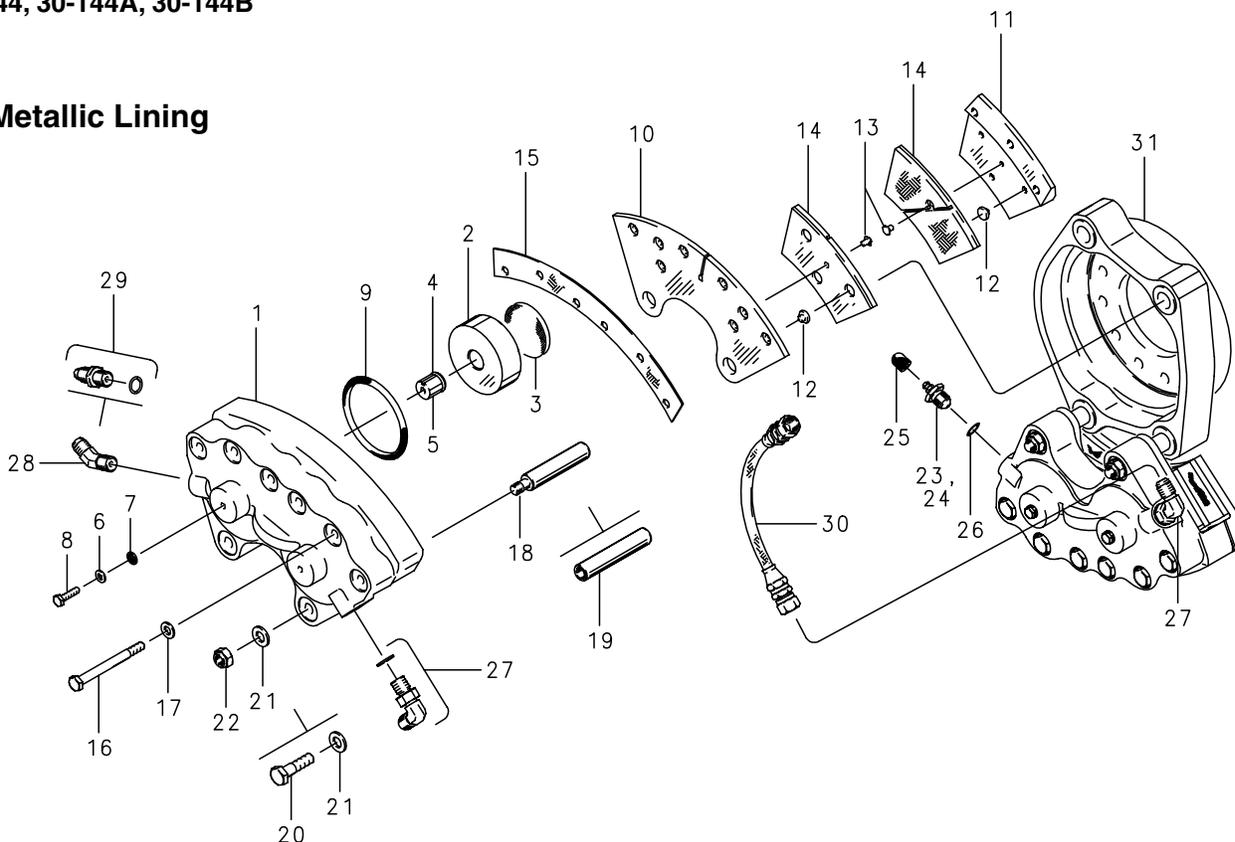


FIG.	PART NO.	DESCRIPTION	PER ASSY.		
			30-144	30-144A	30-144B
	091-13900	Cylinder Assembly	2		2
	091-13901	Cylinder Assembly		2	
1	061-10600	Cylinder	2	2	2
	092-07300	Piston Assembly	4		
	092-04100	Piston Assembly		4	4
2	062-04100	Piston	4	4	
3	088-00100	Insulator	4	4	4
4	082-02000	Friction Spring	4	4	4
5	139-08100	Piston Guide	4	4	4
6	095-10300	Washer (AN960-10)	4	4	4
7	095-02600	Stat-O-Seal	4	4	4
8	103-00200	Bolt (AN3-7A)	4	4	4
9	101-24200	O-Ring	4	4	4
	073-06200	Pressure Plate Assembly	2	2	2
10	063-03500	Pressure Plate	2	2	2
12	177-01600	Pin	12	12	12
13	105-00200	Rivet	4	4	4
14	066-09000	Lining	4	4	4
	074-04800	Back Plate Assembly	4	4	4
11	064-03200	Back Plate	4	4	4
12	177-01600	Pin	12	12	12
13	105-00200	Rivet	4	4	4
14	066-09000	Lining	4	4	4

FIG.	PART NO.	DESCRIPTION	PER ASSY.		
			30-144	30-144A	30-144B
15	068-03300	Shim-Insulator	2	4	2
16	103-14200	Bolt	12	12	12
17	095-10400	Washer (AN960-416)	12		12
	095-10200	Washer (AN960-416L)		12	
18	069-02400	Anchor Bolt	4		
	069-01200	Anchor Bolt			4
19	069-02100	Anchor Bolt		4	
20	103-20100	Bolt		4	
21	095-10500	Washer (AN960-516)	4	8	4
22	094-10400	Nut (MS21044-N5)	4		4
23	081-00200	Seat-Bleeder	1	1	1
24	079-00300	Screw-Bleeder	1	1	1
25	183-00100	Cap-Bleeder	1	1	1
26	101-24600	O-Ring	1	1	1
27	104-03100	Fitting	2	2	2
28	104-04700	Fitting	1	1	
29	104-04900	Fitting			1
30	207-00700	Hose Assembly	1	1	1
31	075-15500	Torque Plate Assembly	1	1	
	075-16900	Torque Plate Assembly			1

Cleveland
Wheels & Brakes

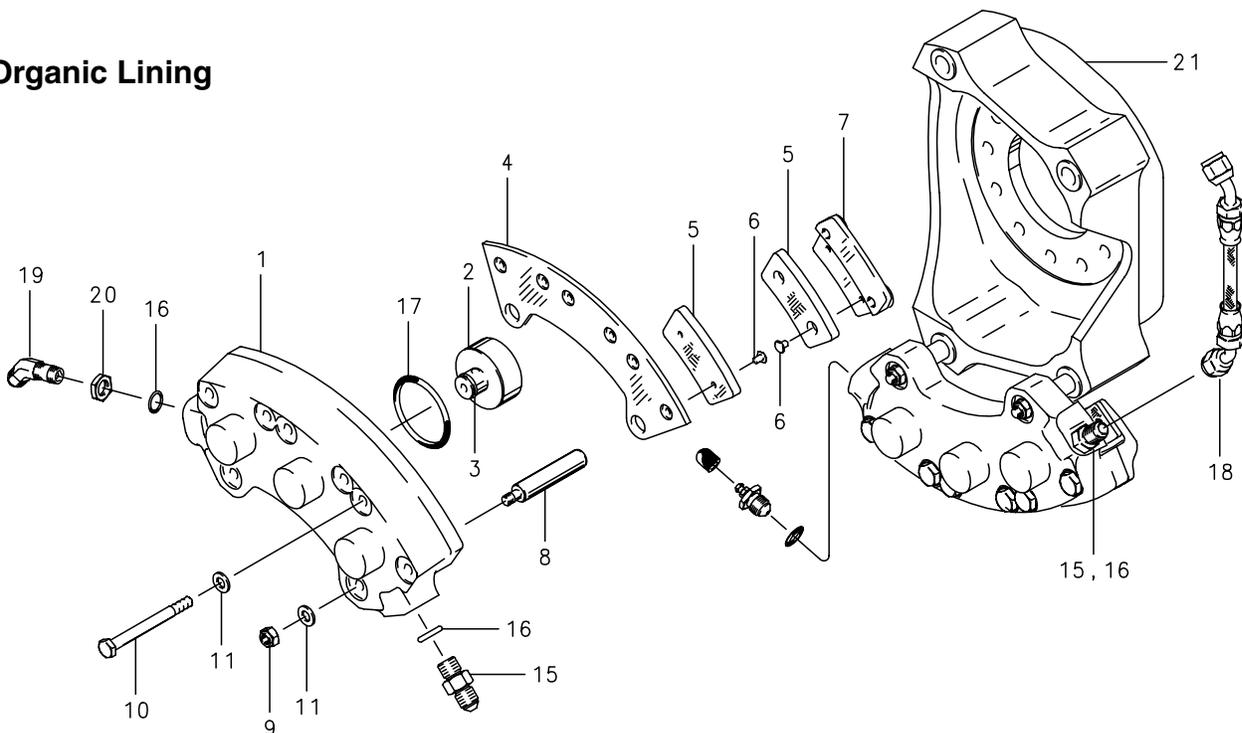


Illustrated Parts List

**Brake Assembly – 10” External
Dual Cylinder, Three Piston**

30-98, 30-98A, 30-98B, 30-98C, 30-98D

Organic Lining



Assy. Number

- A) 30-98
- B) 30-98A (1)
- C) 30-98B
- D) 30-98C
- E) 30-98D

NOTES:

(1) This brake uses automotive type brake fluid.

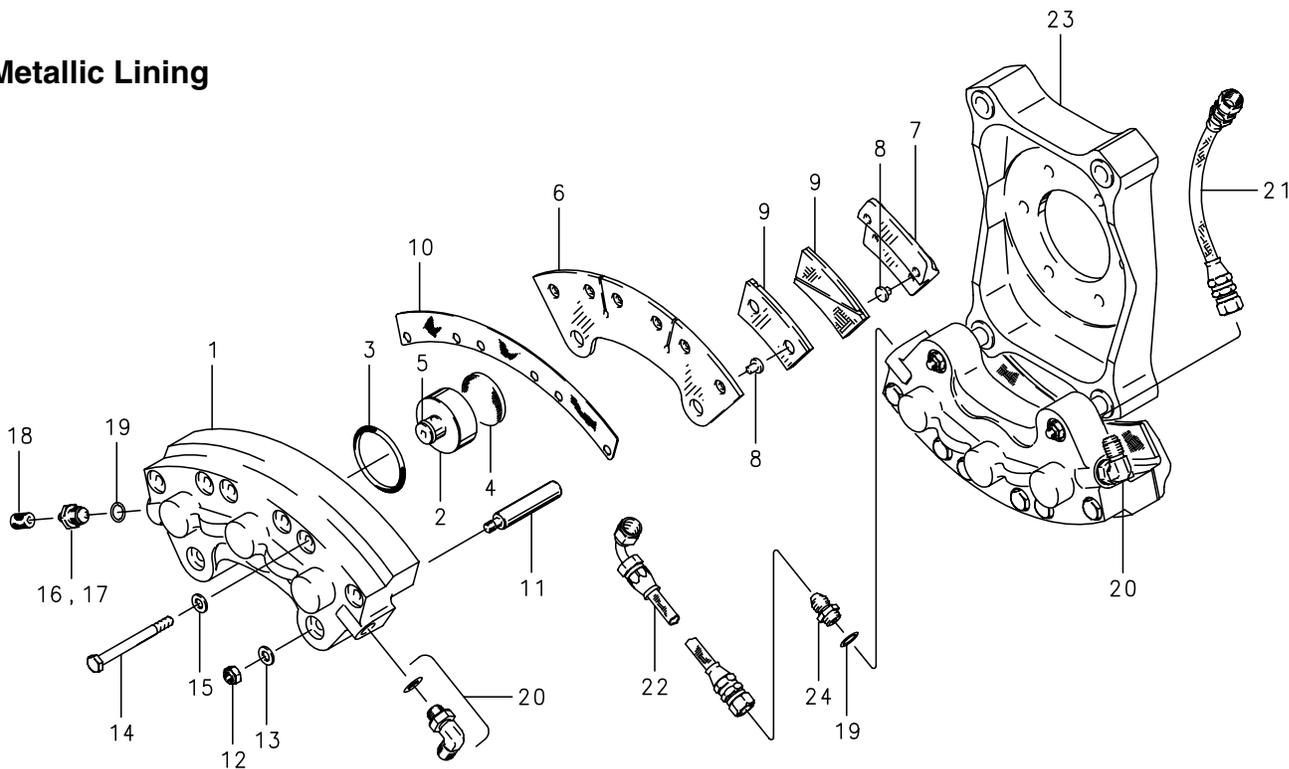
FIG.	PART NUMBER	DESCRIPTION	QTY. PER ASSY.				
			A	B	C	D	E
	091-07900	Cylinder Assy.	2		2		
	091-07901	Cylinder Assy.		2			
	091-11000	Cylinder Assy.					2
1	061-06000	Cylinder	2	2	2	2	2
	092-03300	Piston Assy.	6	6	6	6	6
2	062-03100	Piston	6	6	6	6	6
3	082-02000	Friction Spring	6	6	6	6	6
	073-03000	Pressure Plate Assy.	2	2	2	2	2
4	063-01300	Pressure Plate	2	2	2	2	2
5	066-10800	Lining	6	6	6	6	6
6	105-00200	Rivet	12	12	12	12	12
	074-02200	Back Plate Assy.	6	6	6	6	6
7	064-01600	Back Plate	6	6	6	6	6
5	066-10800	Lining	6	6	6	6	6
6	105-00200	Rivet	12	12	12	12	12
8	069-00400	Anchor Bolt	4	4	4	4	4
9	094-10300	Nut (MS21044-N4)	4	4	4	4	4
10	103-11800	Bolt	12	12	12	12	12
11	095-10400	Washer (AN960-416)	16	16	16	16	16
12	183-00100	Cap-Bleeder	1	1	1	1	1
13	079-00300	Screw-Bleeder	1	1	1	1	1
14	081-00200	Seat-Bleeder	1	1	1	1	1
15	104-00200	Fitting (AN815-4D)	2	2	2	2	
16	101-00700	O-Ring (MS28775-012)	3		3	3	2
	101-23000	O-Ring		4			
17	101-23500	O-Ring		6			
	101-50128	O-Ring (MS28775-128)	6		6	6	6
18	207-00600	Hydraulic Line Assy.-Inlet	1	1	1	1	
19	104-02000	Fitting (AN837-4D)		1			
20	094-90500	Nut (AN924-4D)		1			
21	075-11900	Torque Plate Assy.	1				1
	075-11901	Torque Plate Assy.		1	1		
	075-11902	Torque Plate Assy.					1

Cleveland
Wheels & Brakes



30-123, 30-138

Metallic Lining



Assy. Number

- A) 30-123
- B) 30-138

FIG.	PART NUMBER	DESCRIPTION	QTY. PER ASSY.	
			A	B
	091-10800	Cylinder Assy.	2	2
1	061-08700	Cylinder	2	2
	092-03600	Piston Assy.	6	6
2	062-03400	Piston	6	6
3	101-02700	O-Ring (MS28775-222)	6	6
4	088-00200	Insulator	6	6
5	082-02000	Spring-Friction	6	6
	073-03700	Pressure Plate Assy.	2	2
6	063-03000	Pressure Plate	2	2
	074-03200	Back Plate Assy.	6	6
7	064-02700	Back Plate	6	6
8	177-01600	Pin	24	24
9	066-06800	Lining	12	12
10	068-03000	Shim	2	2
11	069-00400	Anchor Bolt	4	4
12	094-10300	Nut (MS21044-N4)	4	4
13	095-10200	Washer (AN960-416L)	4	4
14	103-11800	Bolt	12	12
15	095-10400	Washer (AN960-416)	12	12
16	081-00200	Seat-Bleeder	1	1
17	079-00300	Screw-Bleeder	1	1
18	183-00100	Cap-Bleeder	1	1
19	101-00700	O-Ring (MS28775-012)	2	2
20	104-03100	Fitting	2	2
24	104-00200	Fitting (AN815-4D)	1	1
21	207-00800	Hose Assy.	1	1
22	207-01400	Hose Assy.-Inlet	1	1
23	075-14100	Torque Plate Assy.	1	
	075-15100	Torque Plate Assy.		1

Cleveland
 Wheels & Brakes

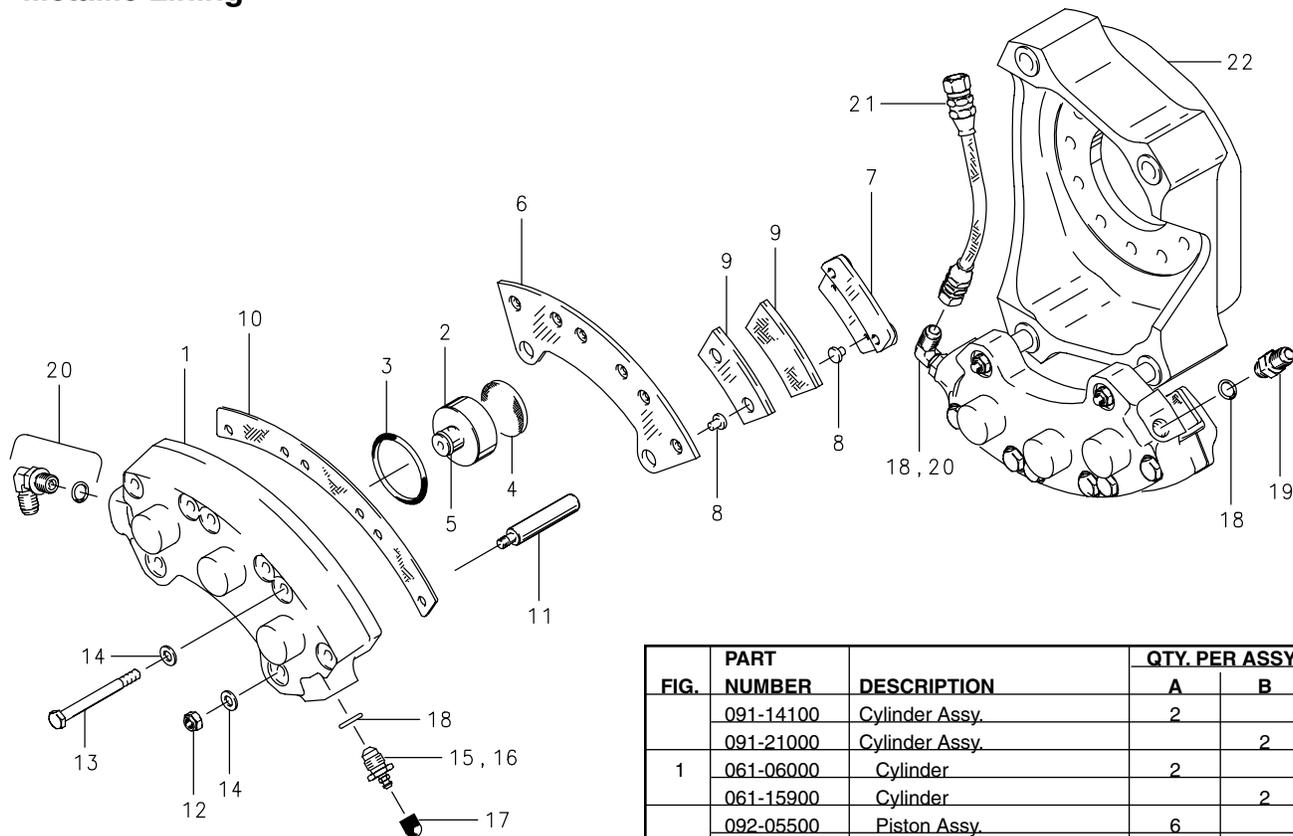


Illustrated Parts List

**Brake Assembly – 10” External
Dual Cylinder, Three Piston**

30-149, 30-231

Metallic Lining



Assy. Number

A) 30-149

B) 30-231

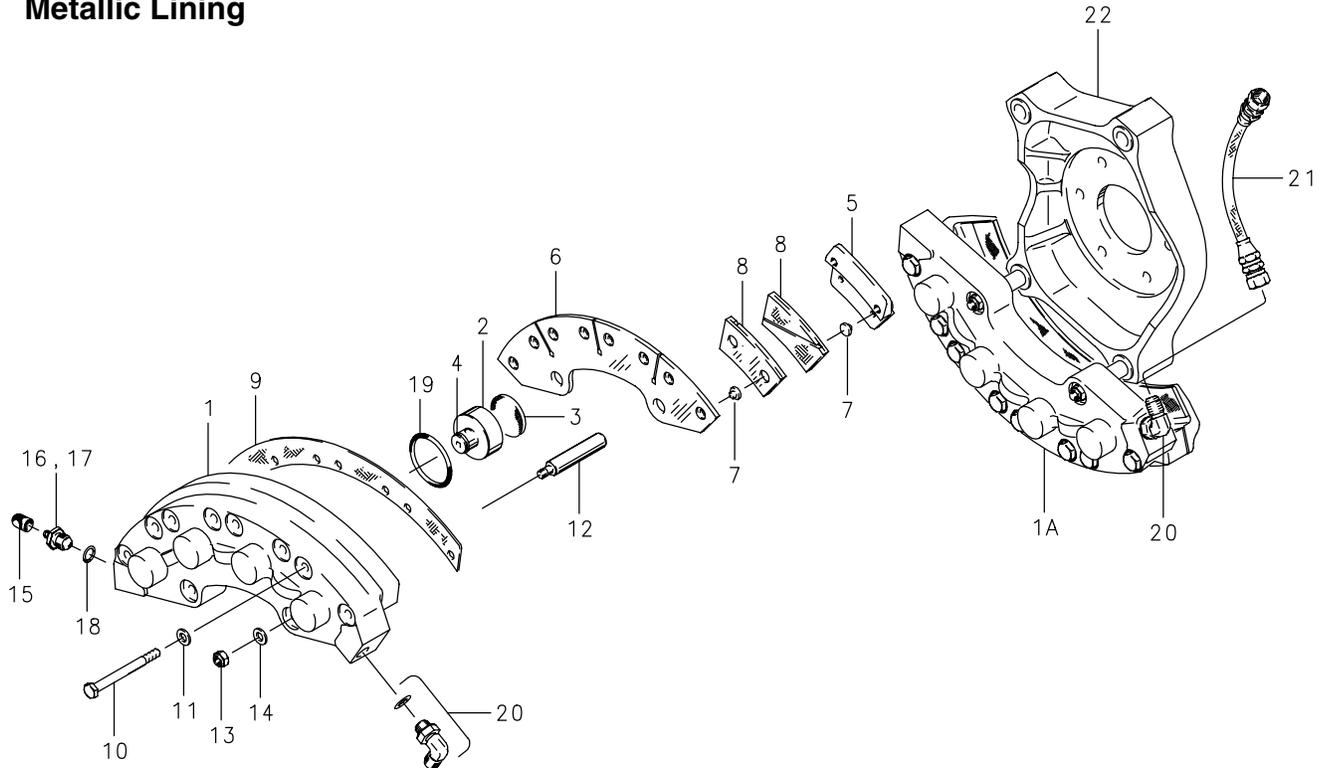
FIG.	PART NUMBER	DESCRIPTION	QTY. PER ASSY.	
			A	B
	091-14100	Cylinder Assy.	2	
	091-21000	Cylinder Assy.		2
1	061-06000	Cylinder	2	
	061-15900	Cylinder		2
	092-05500	Piston Assy.	6	
	092-05501	Piston Assy.		6
2	062-05700	Piston	6	6
3	101-50128	O-Ring (MS28775-128)	6	6
4	088-00200	Insulator	6	6
5	082-02000	Spring Friction	6	
	073-06600	Pressure Plate Assy.	2	2
6	063-00700	Pressure Plate	2	2
	074-03400	Back Plate Assy.	6	6
7	064-02700	Back Plate	6	6
8	177-01600	Pin	24	24
	066-06600	Lining	12	12
10	068-01600	Shim	2	2
11	069-00400	Anchor Bolt	4	
	069-02800	Anchor Bolt		4
12	094-10300	Nut (MS21044-N4)	4	4
13	103-11800	Bolt	12	
	103-14300	Bolt		12
14	095-10400	Washer (AN960-416)	16	16
15	081-00200	Seat-Bleeder	1	1
16	079-00300	Screw-Bleeder	1	1
17	183-00100	Cap-Bleeder	1	1
18	101-00700	O-Ring (MS28775-012)	4	3
19	104-00200	Fitting (AN815-4D)	1	1
20	104-03100	Fitting	2	
	207-01300	Hose Assy.	1	
	207-00600	Hose Assy.		1
22	075-16000	Torque Plate Assy.	1	
	075-11903	Torque Plate Assy.		1

Cleveland
Wheels & Brakes



30-106, 30-158

Metallic Lining



Assy. Number

A) 30-106

B) 30-158

NOTES:

- (1) 091-09400 Cylinder Assembly leads on LH Gear, trails on RH Gear.
- (2) 091-09401 Cylinder Assembly trails on LH Gear, leads on RH Gear.

FIG.	PART NUMBER	DESCRIPTION	QTY. PER ASSY.	
			A	B
1	091-09400(1)	Cylinder Assy.	1	1
	061-07000(1)	Cylinder	1	1
1A	091-09401(2)	Cylinder Assy.	1	1
	061-07001(2)	Cylinder	1	1
	092-03900	Piston Assy.	8	8
2	062-03800	Piston	8	8
3	088-00400	Insulator	8	8
4	082-02000	Friction Spring	8	8
	074-03400	Back Plate Assy.	8	8
5	064-02700	Back Plate	8	8
	073-04300	Pressure Plate Assy.	2	2
6	063-03100	Pressure Plate	2	2
7	177-01600	Pin	16	16
	066-06800	Lining	16	16
8	066-06800	Lining	16	16
9	068-03100	Shim-Insulator	2	2
10	103-14400	Bolt (AN4H23A)	16	16
11	095-10400	Washer (AN960-416)	16	16
12	069-00400	Anchor Bolt	4	4
13	094-10300	Nut-MS21044-N4)	4	4
14	095-10200	Washer (AN960-416L)	4	4
15	183-00100	Cap-Bleeder	1	1
16	079-00300	Screw-Bleeder	1	1
17	081-00200	Seat-Bleeder	1	1
18	101-00700	O-Ring (MS28775-012)	1	1
19	101-02500	O-Ring (MS28775-220)	8	8
20	104-03100	Fitting	2	2
21	207-00800	Hose Assy.	1	1
	075-12800	Torque Plate Assy.	1	
22	075-16600	Torque Plate Assy.		1