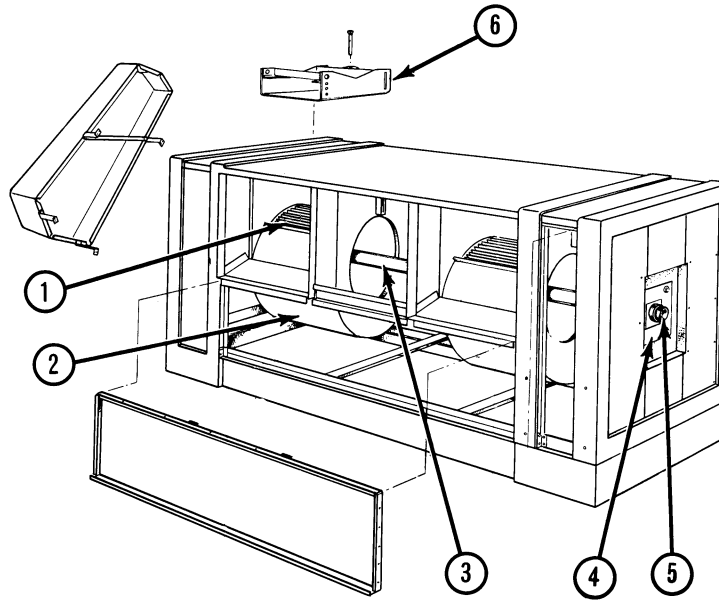




LOW PRESSURE FAN SECTION

Notes for replacement of original equipment:

1. When ordering replacement parts for 39AC and 39W units with 10.5 or 13.5 Fan Sections, select replacement as follows: 39AC or W10.5 use 27AC11 Fan Parts, 39AC or W13.5 use 27AC14 Fan Parts.
2. Unit Identification - Low Pressure units have full length Fan Shafts with both M.E. and O.E. Bearings (Flange Mounted Type) located externally on Fan Section End Panels.
3. Prior to serial numbers on units listed below when either a Bearing or Bearing Plate is required, both items should be replaced.

39AC7-920268	39W7-920163
39AC8-920280	39W8-920126
39AC9-920294	39W9-920142

4. On unit size 14, Outboard Bearing KT62ZB-019 was superseded by Bearing KT62DZ-093. On units prior to serial numbers 27AC-62372963, 39AC-62372963, and 39W-62360794, Bearing End Plate 39W14-1183 will also be required, plus Lubrication Plate 39W7-6132. In addition, it will be necessary to enlarge the Fan Shaft opening in the Fan Section End Panel to nine inches.
5. On unit sizes 13 and 14, Motor End Bearing KT62ZB-031 is superseded by Bearing KT62DA-139. On units prior to serial numbers 27AC-62372963, 39AC-62372963, and 39W-62360794 Bearing End Plate 39W11-457 will also be required. In addition, Lubrication Plate 39W7-6132 should also be supplied. When Bearing KT62DZ-139 and End Plate 39W11-457 is used, the shaft opening in the Fan Section End Panel will have to be enlarged to nine inches.
6. Fan wheel dimensions may vary between vendors.

Example:

Vendor	Dimensions		
	Bore	Diameter	Length
Lau	3"	11-1/8"	10-5/8"
Brundage	3"	10-7/8"	10-3/4"



FAN UNIT

27AC

ITEM	DESCRIPTION	LDC	REPLACEMENT PART NUMBER	USED ON 27AC									
				7	8	9	10	11	12	13	14		
LOW PRESSURE FAN SECTION													
1.	Fan Wheel (See Note #6 on Page #3) Each Includes: *Fan Hub Clamp 3" Bore x 3/4" Wide (2) LA72BZ-215 3" Bore x 1" Wide (2) LA72LZ-300	AC AC AC AC	LA22LA-310 LA22LA-312	2	2								
1.	Fan Wheel (See Note #6 on Page #3) Includes: Fan Hub Clamp 4" Bore x 1-1/4" Wide (2) LA22LZ-400	AC AC	LA22LA-315		2	2							
1.	Fan Wheel (See Note #6 on Page #3) Each Includes: *Fan Hub Clamp 4-1/2" Bore x 3/4" Wide (2) LA29LA-522 4-1/2" Bore x 1-1/4" Wide (2) LA72LZ-450	AC AC AC AC/NS AC	LA22LA-328 LA22LA-540 LA22LA-626 LA22LA-330					2		2		2	2
2.	Fan Housing Each Includes: Cut-Off except where indicated by (#)	AC AC AC AC AC NS AC	39W7-A124 39W8-A124 27H5-154 # 41E23-664 # 39W12-B518 39W13-B518 39W14-B518	2	2	2	2		2		2		2
NI	Fan Housing Cut-Off	NS NS AC AC NS AC AC	39W7-803 39W8-803 27H5-122 27H6-122 39W12-803 39W13-803 39W14-803	2	2	2	2		2		2		2
3.	Fan Shaft Assembly Diameter Opp.Motor End Motor End Length 3" 1-3/16" 1-3/16" 70" 4" 1-3/16" 1-3/16" 90" 4" 1-3/16" 1-7/16" 99" 4-1/2" 1-3/16" 1-15/16" 127-1/2"	NS AC AC AC	39W7-234 39W9-234 39W10-234 39BA110-A534	1	1		1			1	1	1	1
4.	Bearing End Plate (See Note 3, Page #3) O.B. & M.E.	AC AC AC AC AC AC AC	39W10-1193 39W10-1193 39W10-1183 39W11-1183 39W12-1183 39W14-1183 39W11-457	2	2	2		1	1	1			
NI	Diffuser Assembly (39W only)	NS NS NS NS NS NS NS	39W7-163 39W8-163 39W9-163 39W11-163 39W12-163 39W13-163 39W14-163	1	1	1	1			1		1	1

Note: *Check width of original clamp to insure proper replacement.



FAN UNIT

27AC

ITEM	DESCRIPTION	LDC	REPLACEMENT PART NUMBER	USED ON 27AC									
				7	8	9	10	11	12	13	14		
LOW PRESSURE FAN SECTION (CONT'D.)													
5.	Fan Shaft Bearing	M.E.	AC	KT62CZ-092	1	1	1						
	(See Note 3, Page 3)	O.B.	AC	KT62ZB-083	1	1	1						
		O.B.	AC	KT62ZB-083				1	1	1	1		
	(See Note 4, Page 3)	O.B.	AC	KT62DZ-093									1
		M.E.	AC	KT62CZ-116				1					
		M.E.	AC	KT62ZB-131					1	1			
	(See Note 5, Page 3)	M.E.	AC	KT62DZ-139								1	1
6.	Motor Mounting Assembly		NS	39AC14-A319	1	1	1	1	1	1	1	1	1
	** Note: Use when 25 or 30HP Motors are used.		NS	39AC14-A329**				1	1	1	1	1	1
7.	Lubrication Plate		AC	39W7-6132	1	1	1	1	1	1	1	1	1
	Starting Ser. # 27AC-62372963, 39AC-6273963 and 39W-62360794.												
GENERAL FASTENER GROUP													
	Hex Head Cap Screw - 1/4" -20 X 1" Lg.	AC	AA06BS-170									6	6
	3/8" -16 X 3/4" Lg.	NS	AA06BS-228	4	4	4	4	4	4				
	3/8" -16 X 1" Lg.	AC	AA06BS-230				8	8	12		33	33	
	3/8" -16 X 1-3/4" Lg.	AC	AA06BS-234	8	8	8	4	4	4				
	1/2" -13 X 1" Lg.	NS	AA06BS-290	8	8	8	8	8	8	8		8	
	1/2" -13 X 1-3/4" Lg.	AC	AA06BS-294				4	4	4				
	5/8" -11 X 1-1/4" Lg.	NS	AA06BS-322	4	4	4	4	4	4				
	Hex Head Sheet Metal Screw with Lockwasher 1/4-20 X 5/8" Lg.	NS	AK16AS-167								8	8	8
	Hex Head Self Tap Screw 1/4-20 X 1/2" Lg.	AC	AK92AB-166	99	106	100	109	108	121	24	24		
	1/4-20 X 3/4" Lg.	AC	AK92AB-168	20	20	20	20	20	20	180	180		
	Type "B" Sheet Metal Screw	NS	AL72AB-216	2	2	3	3	3	3	3	3		
	Speed Nut Type "U"	NS	AS41BS-052	2	2	3	3	3	3	3	3		
	Hex Nuts - 1/4" -20	AC	AT39AB-171									40	40
	3/8" -16	AC	AT39AB-241									33	33
	1/2" -13	AC	AT39AB-301					4	4	4			
	Square Nuts (Heavy Duty) - 1/4"-20	NS	AT41AB-171	16	16	16	16	16	16				
	3/8"-16	NS	AT41AB-241	12	12	20	16	20	8				
	5/8"-11	NS	AT41AB-331	4	4	4	4	4	16	12	12		
	Square Nuts - 3/8"-16	AC	AT44AH-241							4			
	1/2"-13	AC	AT39AB-301							12	8	5	
Plate Washer - 3/8"	NS	AU01AS-241	24	24	24	16	16	16					
1/2"	NS	AU01AS-301				8	8	8		8	8		
5/8"	AC	AU02AB-332	4	4	4	4	4						
Lockwasher - 1/4"	AC	AU11AS-171	16	16	16	16	16	16					
3/8"	AC	AU11AS-241	12	12	16	16	16	14					
1/2"	AC	AU11AS-301				4	4	4					
5/8"	AC	AU11AS-331	4	4	4	4	4	4	4	4	4	4	
Lockwasher - 1/4"	AC	AU27AS-171									40	40	
Key - 1/4" Sq. X 2-1/4" Lg.	AC	AW01DA-100	1	1	1								
3/8" Sq. X 1-1/4" Lg.	NS	AW01DA-228				1							
1/2" Sq. X 7/16 X 2" Lg.	AC	AW01DA-271						1	1	1	1	1	
Washer, Bearing Plate	AC	27Q1-1581	8	8	8	8	8	8	8	8	8	8	

MEDIUM PRESSURE FAN SECTION

Notes for replacement of original equipment:

1. *When ordering replacement parts for 39AC and 39W units with 10.5 or 13.5 Fan Sections, select replacement parts as follows:*

39AC or W10.5 use 27AC11 Fan Parts
39AC or W13.5 use 27AC14 Fan Parts
2. *Unit Identification - Medium Pressure units have less than full length Fan Shaft with M.E. Bearings (Flange Mounted Type) located externally on Fan Section End Panel; O.E. Bearings (Pillow-Block Type) located internally on Bearing support structure inside the Fan Section. Fan Section of Panel has blank square Access Cover. Fan Wheels have radial reinforcing spokes.*
3. *On units 39AC11 and 12 and 39W11 Motor End Bearing KT62ZB-031 is superseded by Bearing KT62DZ-139. On units prior to serial numbers 39AC-62372963 and 39W-62360794, the old or existing Bearing End Plate will have to have the Bearing Bolt holes redrilled to 5-1/8" between center on the square. In addition, the Fan Shaft opening in the Fan Section End Panel will have to be enlarged to nine inches. Lubrication Plate 39W7-6132 is also required when Bearing KT62DZ-139 is supplied.*
4. *On units 39AC and W13 and 14 and 39W12, Motor End Bearing KT62ZB-031 is superseded by Bearing KT62DZ-139. On units prior to serial numbers 39AC-62372963 and 39W-62360794 Bearing End Plate 39W11-457 plus Lubrication Plate 39W7-6132 is also required. In addition, the Fan Shaft opening in the Fan Section End Panel will have to be enlarged to nine inches.*
5. *On units 39AC and W13 and 14, Outboard Bearing KT63CA-080 is superseded by Bearing KT63DZ-091. Also, Lubrication Plate 39W7-6142 should be supplied. Prior to serial numbers 39AC-62372963 and 39W-62360794 the Bearing Bolt holes in the Bearing Supports will have to be redrilled to 5-3/8" centers or replaced. On the 39AC, the new Bearing Support is 39AC13-6682. On the 39W the Bearing Support is 39W13-5362 and Bearing Support Brace is 39W13-3353.*
6. *Fan wheel dimensions may vary between vendors;*

Example:

Vendor	Dimensions		
	Bore	Diameter	Length
Lau	3"	11-1/8"	10-5/8"
Brundage	3"	10-7/8"	10-3/4"



FAN UNIT

27AC

ITEM	DESCRIPTION	LDC	REPLACEMENT PART NUMBER	USED ON 27AC									
				7	8	9	10	11	12	13	14		
MEDIUM PRESSURE FAN SECTION													
1.	Fan Wheel (See Note #6 on Page #7) Each Includes: *Fan Hub Clamp 3" Bore x 3/4" Wide (2) LA72BZ-215 3" Bore x 1" Wide (2) LA72LZ-300	AC AC AC AC	LA22LA-452 LA22LA-454 	2		2	2						
1.	Fan Wheel (See Note #6 on Page #7) Includes: Fan Hub Clamp 4" Bore x 1-1/4" Wide (2) LA72LZ-400	NS AC	LA22LA-455 					2					
1.	Fan Wheel (See Note #6 on Page #7) Each Includes: *Fan Hub Clamp 4-1/2" Bore x 1-1/4" Wide (2) LA72LZ-450	AC AC AC AC	LA22LA-458 LA22LA-460 LA22LA-540 						2		2		2
2.	Fan Housing Assembly Each Includes: Cut-Off Except where indicated by (#)	 AC AC AC AC AC	 39W7-A124 39W8-A124 27H5-154 # 41E34-664 # 39W12-B518	2		2	2		2	2		2	2
NI	Fan Housing Cut-Off	NS NS AC AC NS	39W7-803 39W8-803 27H5-122 27H6-122 39W12-803	2		2	2		2	2		2	2
3.	Fan Housing Adapter (27AC & 39AC) R.H. L.H. R.H. L.H.	NS NS NS NS NS NS NS NS NS NS	39AC7-524 39AC8-524 39AC9-B394 39AC10-524 39AC11-B394 39AC12-B394 39AC13-B394 39AC13-B404 39AC14-B394 39AC14-B404	2		2		2		2		2	1
3.	Fan Housing Adapter (39W)	NS NS NS NS NS	39W9-B448 39W11-B448 39W12-B448 39W13-B448 39W14-B448			2			2		2		2
4.	Fan Shaft Assembly Diameter Opp. Motor End Motor End Length												
	3" 1-3/16" 1-3/16" 63"	AC	39W7-B438	1	1								
	3" 1-3/16" 1-3/16" 77-1/4"	AC	39W9-B438			1							
	3" 1-3/16" 1-7/16" 84-1/2"	NS	39W10-B438				1						
	4-1/2" 1-3/16" 1-5/16" 111"	AC	39CA110-424 #					1	1				
	4-1/2" 1-3/16" 2-3/16" 110"	AC	39BA110-A534-4 ##								1	1	

Notes: #This shaft will also replace the 108" Shaft that was originally installed in some units.
(No Serial # Cut-Off available)

##When replacing the original Fan Shaft (Drive End Journal Size 1 15/16 Dia.) on the 13 & 14 size units, Bearings, Bearing Plate, & Fan Wheels must also be replaced.

*Check width of original clamp to insure proper replacement.



FAN UNIT

27AC

ITEM	DESCRIPTION	LDC	REPLACEMENT PART NUMBER	USED ON 27AC									
				7	8	9	10	11	12	13	14		
MEDIUM PRESSURE FAN SECTION (CONT'D.)													
5.	Bearing End Plate (MotorEnd) (Starting Ser. #39AC-62372963 & 39W-62360794) (See Notes #1 & 2 on Page #7)	AC NS AC AC AC	39W7-457 39W10-457 39W11-457 *39BA110-133 #39W11-457	1	1	1	1		1		1		1
6.	Bearing (Motor End) <u>Bore Dia.</u> (See Note #1) 1-3/16" (See Note #2) 1-7/16" 1-15/16" 2-3/16" 1-15/16"	AC NS AC AC AC	KT62ZA-090 KT62DZ-101 KT62DZ-139 *KT62CZ-159 #KT62DZ-139	1	1	1	1			1	1		
NI.	Bearing Opp. MTR End <u>Bore Dia.</u> (See Note #3) 1-3/16" 1-3/16"	AC AC	KT63BE-091 KT63DZ-091	1	1	1	1	1	1	1		1	1
NI.	Bearing Support Plate (Outboard End 27AC & 39AC13 & 14) (See Note #4, Page #7)	NS	39AC13-6682									1	1
NI.	Bearing Support Plate (Outboard End 39W13 & 14) (See Note #4, Page 7)	NS	39W13-5362									1	1
NI.	Bearing Support Brace (Outboard End 39W13 & 14) (See note #4 Page 7)	NS	39W13-3353									1	1
NI.	Lubrication Plate (Start Ser. #39AC-62372963 & 39W-62360794) 												

Notes: * Bearing & Bearing Plate are to be used with 39BA110-A534-4 Fan Shaft.

Bearing & Bearing Plate that are used with the original Shaft, 1-15/16 Drive
End Journal Diameter.



FAN UNIT

27AC

ITEM	DESCRIPTION	LDC	REPLACEMENT PART NUMBER	USED ON 27AC									
				7	8	9	10	11	12	13	14		
GENERAL FASTENING GROUP													
	Washer, Bearing Plate	AC	27Q1-1581	4	4	4	4	4	4	4	4		
	Capscrews - 3/8"-16 X 3/4" Lg.	NS	AA06BS-228	12	12	19	29	34	33	10	14		
	3/8"-16 X 1" Lg.	AC	AA06BS-230			6	10	16	20	26	26		
	3/8"-16 X 2" Lg.	AC	AA06BS-235			1	1	2	2	2	2		
	1/2"-13 X 1" Lg.	NS	AA06BS-290	8	8	8	8	8	8	8	8		
	1/2"-13 X 1-3/4" Lg.	AC	AA06BS-294	2	2	2	6	6	6	8	8		
	5/8"-11 X 1-1/4" Lg.	NS	AA06BS-322	4	4	4	4	4	4	4	4		
	Self-Tap Screw - 1/4"-20 X 1/2" Lg.	AC	AK92AB-166	81	93	111	107	109	128	134	134		
	1/4"-20 X 3/4" Lg.	AC	AK92AB-168	31	31	20	20	20	20	180	180		
	Keys, Square - 1/4" Sq. X 2-1/4" Lg.	AC	AW01DA-100	1	1	1							
	3/8" Sq. X 1-1/4" Lg.	NS	AW01DA-228				1						
	7/16" Sq. X 1/2 X 2" Lg.	AC	AW01DA-271					1	1	1	1		
	Nut - 1/4"-20	NS	AT41AB-171	27	27	20	20	20	20	52	52		
	3/8"-16	NS	AT41AB-241	16	16	24	24	36	36	42	42		
	1/2"-13	AC	AT39AB-301	2	2	2	6	6	6	6	6		
	5/8"-11	NS	AT41AB-331	4	4	4	4	4	4	4	4		
	Plate Washer - 3/8"	AC	AU01AB-241	20	20	20	20	36	22	18	18		
	1/2"	NS	AU01AB-301	6	6	6	10	10	10	6	6		
	Lock Washer - 1/4"	AC	AU11AS-171	31	31	20	20	20					
	3/8"	AC	AU11AS-241	16	16	24	30	36	42	48	48		
	1/2"	AC	AU11AS-301	2	2	2	6	6	6	6	6		
	5/8"	AC	AU11AR-331	4	4	4	4	4	4	4	4		