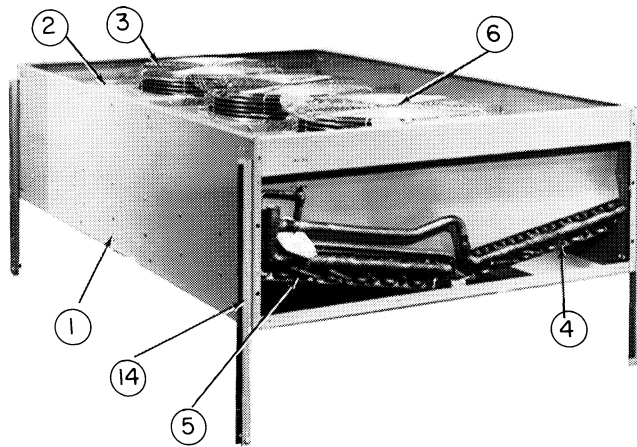




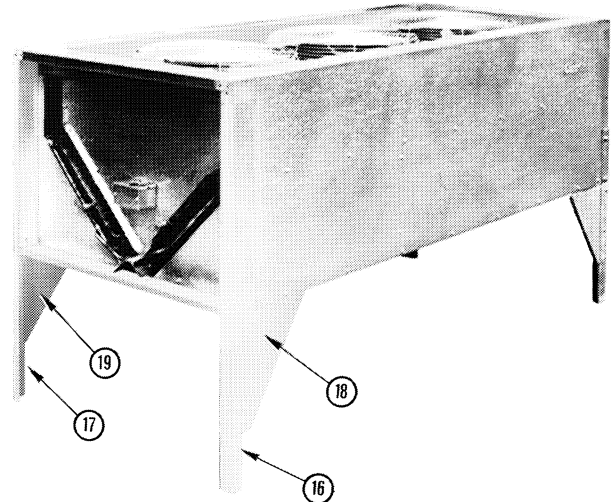
AIR-COOLED CONDENSER

09DC

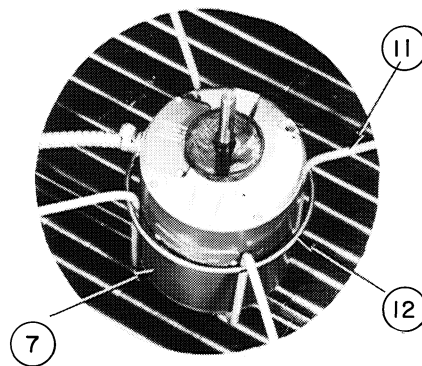
016-044



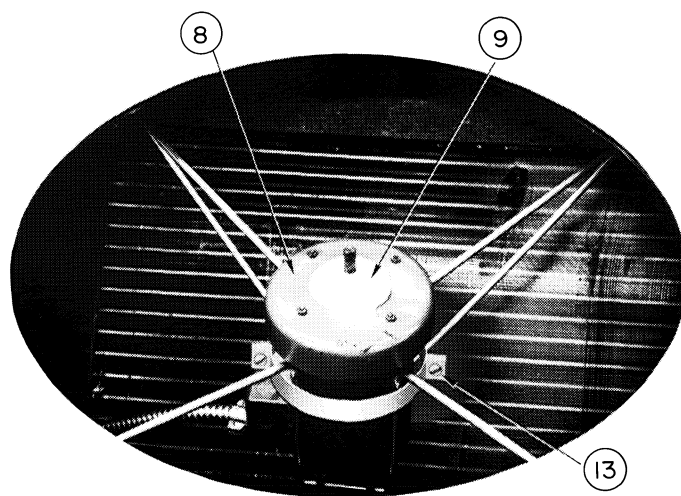
09DC016



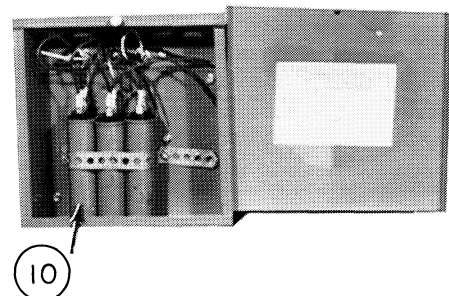
09DC024,28,34,44



Ring Type Motor Mount



Clamp Type Motor Mount



Single Phase Control Box



AIR-COOLED CONDENSER

09DC

016-044

ITEM NO	PART NAME	LDC	REPLACEMENT PART NUMBER	UNIT USAGE				
				016	024	038	034	044

NOTE: THE 09DC054, 064 AND 084 SIZE UNITS ARE MODULES, MADE UP OF "TWO" CONDENSERS. THE 09DC054 USES (2) 09DC028'S, THE 09DC064 USES (2) 09DC034'S AND THE 09DC084'S USE (2) 09DC044'S. WHEN ORDERING REPLACEMENT PARTS FOR THESE UNITS, REFER TO THE "SINGLE" UNIT SIZE.

CASING GROUP

1	SIDE PANEL	SM3 SM3 SM3 SM3	09DC500052 09DC500994 09DC501004 09DC501554	2	2	2	2	2
2	VENTURI FAN DECK (PRIOR 3/1/67 PRODUCTION) (START 3/1/67 PRODUCTION) (PRIOR SER. #7977466) (START SER. #7477466)	NA AC AC AC AC NS NS NS	*09DC400033 **09DC505803 38AB504883 09DC505763 09DC504573 09DC505863 38AB403363 38AB405453	3 3 3 3 3 3 3 3	3	3	3	3
NOTE: #1 (*) VENTURI PANELS ARE USED WITH "RING FOOTED" MOTOR MOUNTS. #2 (**) VENTURI PANELS ARE USED WITH "STUD FOOTED" MOTOR MOUNTS. #3 IF "STUD FOOTED" MOTOR MOUNTS ARE USED TO REPLACE "RING FOOTED" MOTOR MOUNTS ON 09DC016 UNITS, INCREASE HOLES IN VENTURI PANELS TO 11/16" DIA. AND ORDER (3) 09DC660001 MOTOR MOUNTING ISOLATION PKG. (ONE PER FAN)								
3	FAN GUARD ASSEMBLY (PRIOR SER. #P996105) (START SER. #P996105) (PRIOR SER. #7477466) (SER. #7477466-L996322) (START SER. #L996322)	AC NS AC AC NS NS AC	09DC400024 09DC400114 50DA403074 38AB408324 38AB404024 38AB405564 38AB408324	3 3 3 3 3 3 3	3	3	3	3
NI	"CARRIER" EMBLEM	AC AC	99NA501102 99NA501102	2	2	2	2	2
NI	TOUCH-UP PAINT (16 OZ. PRESSURIZED CAN SEA SPRAY GREEN)	MP	PH23GL-012	AS REQUIRED				

COIL GROUP

4	CONDENSER COIL - RIGHT HAND (COPPER TUBE/ALUM. FIN.) INCLUDES: RETURN BENDS (51) FULL CIRCUIT (50) 50-50 SPLIT (50) 63-37 SPLIT (55) 50-50 SPLIT (55) 63-37 SPLIT (73) 50-50 SPLIT (70) 40-40-20 SPLIT *(51) 50-50 SPLIT *(51) 38-38-24 SPLIT	AC AC AC AC AC AC NS AC AC	09DC402424 09DC402444 09DC402464 09DC402484 09DC402504 09DC402524 09DC402544 09DC402574 09DC402594	1	1	1	1	1
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AIR-COOLED CONDENSER

09DC

016-044

ITEM NO.	PART NAME	LDC	REPLACEMENT PART NUMBER	UNIT USAGE				
				09DC				
				016	024	028	034	044

COIL GROUP (CONT'D.)

5	Condenser Coil - Left Hand							
	Includes:							
	Return Bends (51)	Full Circuit	AC	09DC402434	1			
	(50)	50-50 Split	AC	09DC402454		1		
	(50)	63-37 Split	AC	09DC402474		1		
	(55)	50-50 Split	AC	09DC402494			1	
	(55)	63-37 Split	AC	09DC402514			1	
	(73)	50-50 Split	AC	09DC402534				1
	(70)	40-40-20 Split	NS	09DC402554				1
	Full Circuits *(51)	50-50 Split	AC	09DC402584				1
	*(51)	38-38-24 Split	NS	09DC402604				1
	<i>Note: 1) The selection of "Left Hand" or "Right Hand" Coils is determined by viewing the unit from the "Coil Header" end.</i>							
	<i>2) (*)Denotes that "Headers" on these Coils include DE54DA-051 Bleeder Port: DD19DA-051 Flare Cap and DD24FA-051 Gasket</i>							

FAN & MOTOR GROUP

IMPORTANT -

Please refer to the following notes before selecting replacement fans, motors, slingers or capacitors.

- 1 - On 09DC016 Units produced prior to Ser. #5484843, (3) HC44SL-230 or (3) HC44ME-700 Motors were used.
- 2 - On 09DC016 Units produced after Ser. #5484843, (2) HC44SL-230 and (1) HC44ML-200 Motors were used.
- 3 - In order to use the 32BA Motor Speed Control on 09DC016 Units prior to Ser. #5484843, the Motor nearest the Coil Header End must be changed to 38AB660029.
- 4 - 09DC Units produced prior to Ser. #8592134 have single and three phase Fan Motors with 1/2" diameter "double flattened shafts", propeller fans and slingers with 1/2" I.D., bore and single phase fan motor capacitors rated at 15mfd.
- 5 - 09DC024, 208/230 units produced starting Ser. #8592134, have (1) single and (2) three phase motors with a 5/8" Dia. "keyed shafts, propeller fans and slingers with 5/8" Dia. bore. The single phase fan motor capacitor is rated at 20mfd. The single phase motor used (HC46VL-221) is suitable for use with motor master.
- 6 - Fan Motors having 1/2" diameter shafts used on three phase 60Hz 09DC024 units, prior to Ser. #8592134 are no longer available. Therefore, when replacing a fan motor on units in this category it will be necessary to order both a Fan Motor package and a Fan (LA04PA-261).
- 7 - Fans and Slingers having 1/2" Dia. bore, and capacitors rated at 15mfd will continue to be stocked and made available for units produced prior to Ser. #8592134.
- 8 - All 09DC028, 034 and 044 208/230-3-60 units, starting Ser. #8592134 have been built with a Fan Motor Speed Control System for head pressure control. This system uses one single phase Fan Motor for speed control and (2) three phase Fan Motors.

6	Fan Propeller	AC	LA04PB-224	3				
	3 Blade, 26" 1/2" Bore (Prior Ser. #8592134)	AC	LA04PA-260		3			
	3 Blade, 26" 5/8" Bore (Start Ser. #8592134)	AC	LA04PA-261		3			
		AC	*LA04AA-299			1	1	1
		AC	*LA04RA-301			2	2	2
	<i>Note: *Venturi Ring Package 38AB660006 (1) per Fan must be used with 30" Fans on 09DC044 units produced prior to Ser. #743149.</i>		NS					



AIR-COOLED CONDENSER

09DC

016-044

ITEM NO	PART NAME	LDC	REPLACEMENT PART NUMBER	UNIT USAGE				
				09DC				
				016	024	028	034	044
FAN & MOTOR GROUP (CONT'D)								
7	FAN MOTOR 1/2 H.P. 208/230-1-60 (SEE NOTES 1,2 & 3) 460/3/60 575-3-60 230-1-50 230-3-50 (PRIOR SER. #8592134) 230-3-50 (PRIOR SER. #8592134) 400-3-50 (SEE NOTE #5) *09DC408183 MOUNT & 38AB508362 CLAMP ARE ALSO REQUIRED	AC NS NS AC NS AC AC	38AB660029 HD44MX-460 HD44MX-461 HC44ME-701 HD44VZ-202 HD46VE202* HD46VE206*	3 3 3 3 3 3 3				
7	FAN MOTOR 3/4 H.P. 208/230 (SINGLE PHASE MOTOR, SEE NOTE #5) 208/230 (THREE PHASE MOTOR, SEE NOTE #5) 575-3-60 230-3-50 400-3-50	AC AC AC AC AC	HC46VL221 HD46VL331 38AB600024 HD46VE-202 HD46VE-206	1 2 3 3 3			3 3	3 3
7	FAN MOTOR 1 H.P. 208/230-1-60 208/230-3-60 460-3-60 575-3-60 460-3-60	AC AC AC AC AC	--HC--52TE-230-- HD52VE214 HD52VE-214 HD52VE-208	 3 3 3 3			1 2 3 3 3	1 2 3 3 3
8	RAIN SHIELD AND GASKET (MOTOR)	AC	--HC--99SE-001--	3				
9	SLINGER (MOTOR SHAFT) (PRIOR SER. #8592134) (SER. #8592134 - B095337) (START SER. #B095337) (PRIOR SER. #B095337) (START SER. #B095337)	AC AC AC NS AC NS	38GC500832 38GC500832 38BA501772 09DC507163 38BA501772 09DC507163	3 3 3 3 3			3 3	3 3
10	CAPACITOR (FAN MOTOR) 208/230-1-60 7.5 MFD. 208/230-1-60 15 MFD. 208/230-3-60 20 MFD. 208/230-3-60 30 MFD.	AC AC AC AC	--HC--90AB-007-- --HC--90BB-015-- --HC--90BB-020-- --HC--90BB-030--	3 3 1			1 1	1
11	MOTOR MOUNTING ASSEMBLY (STUD-FOOTED) NOTE: IF USED TO REPLACE RING-FOOTED MOTOR ASSEMBLY, INCREASE HOLES IN VENTURI PANEL TO 11/16" DIA. AND ORDER 09DC660001 MOTOR MOUNTING ISOLATOR PACKAGE. QUANTITY OF (1) REQUIRED PER FAN.	NS AC AC	09DC402833 09DC408213 09DC408183	3 3			3 3	3 3
12	MOTOR MOUNTING RING	AC AC	09DC500482 38BQ501112	3 3	3		3 3	
13	MOTOR MOUNTING CLAMP	AC AC	09DC505572 38AB508362	 6			6 6	6
NI	MOTOR MOUNTING ISOLATION PACKAGE INCLUDES: PLATE WASHER (8) AU05AB-245 LOCKNUT (4) AT54AE-241 JAM NUT (4) AT40AG-241 ISOLATOR RING (4) KA75UR-600 ISOLATOR BUSHING (4) KA75UR-500	AC AC AC AC AC	09DC660001 	1 REQ'D. PER PKG.				



AIR-COOLED CONDENSER

09DC
016-044

ITEM NO	PART NAME	LDC	REPLACEMENT PART NUMBER	UNIT USAGE				
						09DC		
				016	024	028	034	044
FAN & MOTOR GROUP (CONT'D)								
NI	LOCKWASHER (MOTOR MOUNTING RING) (1/4")	MP	AU27AS-171	3	3	3	3	
	(3/8")	MP	AU11AS-241		6	6	6	6
	PLATE WASHER 3/8 (MOTOR MOUNTING RING)		AU02AB-242					6
NI	PLATE WASHER 1/4"	MP	AU01AB-171	3	3	3	3	
NI	HEX NUT 3/8-16 (MOTOR MOUNTING RING) 1/4-20		AT39AB-241					6
NI	HEX HEAD CAPSCREW 3/8-16 X 2 1/2 LG. (MTR MTG. RING)		AH07BS-237					6
NI	PLUG, MALE (CONTROL BOX)		HY06MP-018		1	1	1	1
NI	MALE TERMINAL (FOR HY06MP-018 RECEPTACLE)		HY57MP-019		AS REQUIRED			
FLOOR STAND GROUP								
14	CHANNEL		09DC500092	4				
15	ANGLE		09DC500082	2				
16	CHANNEL LEG - RIGHT HAND		09DC501403		2	2		
	- RIGHT HAND	NS	09DC501423				2	
	- RIGHT HAND	NS	09DC506453					2
17	CHANNEL LEG - LEFT HAND		09DC501413		2	2		
	- LEFT HAND		09DC501433				2	
	- LEFT HAND	NS	09DC506463					2
18	LEG GUSSET - RIGHT HAND	NS	09DC502883		2	2		
	- RIGHT HAND	NS	09DC502903				2	
	- RIGHT HAND	NS	09DC506503					2
19	LEG GUSSET - LEFT HAND	NS	09DC502893		2	2		
	- LEFT HAND	NS	09DC502913				2	
	- LEFT HAND	NS	09DC506513					2
NI	FASTENERS (FLOOR STAND)							
	CAPSCREW	AC	--AA--06BS-230--	16	16	16	16	16
	LOCKWASHER	AC	--AU--11AS-241--	16	16	16	16	16
	HEX NUT	MP	--AT--39AB-241--	16	16	16	16	16
	SHEET METAL SCREW		AK92AB-166		20	20	20	20



AIR-COOLED CONDENSER

09DC
016-044

ITEM NO.	PART NAME	LDC	REPLACEMENT PART NUMBER	USED ON 09DC					
				0	0	0	0	0	0
				1	2	2	3	4	4
				6	4	8	4	4	4

ACCESSORY GROUP

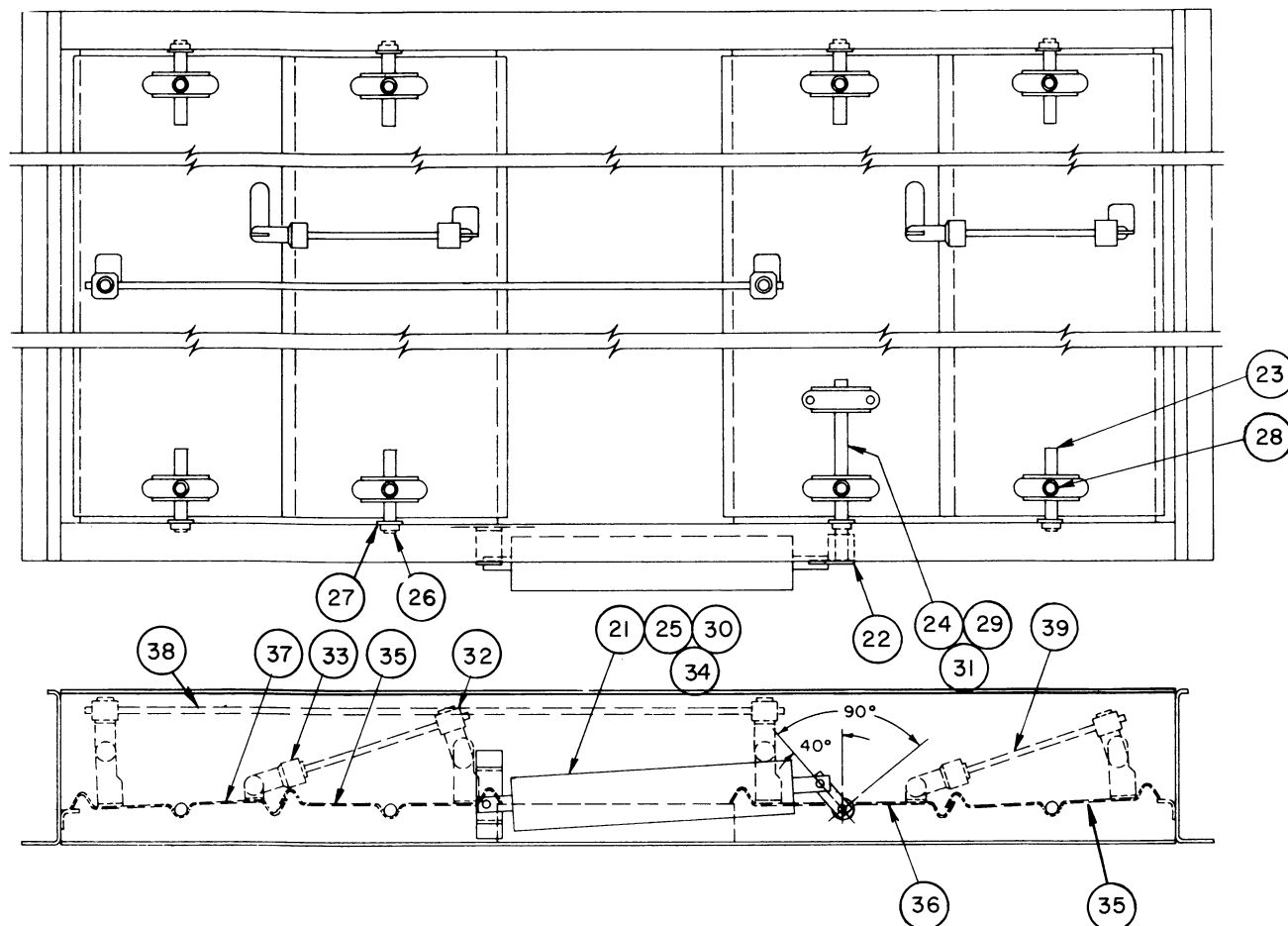
NS	Motor Speed Control (1PH-Units-Only)	AP	32LM001301	1					
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ACCESSORY CONTROL BOX PACKAGE NO.	USED WITH 09DC	CONTROL VOLTAGE
09DC900311	024, 028, 034, 044	115V - 60 Cycle
321	024, 028, 034, 044	208/230V - 50/60 Cycle
351	024	208/230 - 50 Cycle
371	016	115V - 60 Cycle
381	016	230V - 50/60 Cycle
391	054, 064, 084	115V - 60 Cycle
401	054, 064, 084	208/230V - 50/60 Cycle

NOTE: The following components are used, as indicated,
in the above listed Control Boxes.

ITEM NO.	PART NAME	LDC	REPLACEMENT PART NUMBER	USED IN CONTROL BOX 09DC900							
				3	3	3	3	3	3	4	
				1	2	5	7	8	9	0	
NS	Contactor (115V-1-60) Includes: Holding Coil (1) HN72AZ-301		HN53AC-321	3				3		3	
NS	Contactor (208/230-1-50/60 Cycle) Includes: Holding Coil (1) HN72AZ-300		HN53AC-320		3	1		3		3	
NS	Receptacle, Female (Polarized)		HY07MP-018	1	1	1				2	2
NS	Temperature Switch		HH29AA-080	1	1	1	1	1	1	1	1
NS	Terminal Block (3 Terminal) (2 Terminal)		HY84FP-003 HY84FE-115	1	1		1	1	1	1	1
NS	Terminal, Female (for HY07MP-018 Plug)		HY57MP-018	9	9	6				9	9

ACCESSORY GROUP (CONTINUED) (DAMPER CONTROL PACKAGES)



024, 028, 034, 044

NOTE: The following "Damper Packages" are for use with systems using Refrigerant R12, R22 or R500. The components, with the exception of the damper blades, base weld, linkage and pressure operator (which may vary due to unit application) are common. The "Pressure Operators" are to be selected based upon the system refrigerant.

DAMPER PACKAGE NO.	REFRIGERANT	USED ON UNIT	DIMENSIONS
09DC900011	R22	09DC034, 064	57 3/4" X 37 1/4" X 6 1/4"
021	R12	"	"
031	R500	"	"
041	R22	09DC024, 028, 054	47 1/4" X 37 1/4" X 6 1/4"
051	R12	"	"
061	R500	"	"
071	R22	09DC044, 084	71 3/4" X 37 1/4" X 8"
081	R12	"	"
091	R500	"	"



AIR—COOLED CONDENSER

09DC
016-044

ITEM NO.	PART NAME	LDC	REPLACEMENT PART NUMBER	USED IN DAMPER PACKAGE		
				09DC900		
				011	041	071
				021	051	081
				031	061	091

ACCESSORY GROUP (CONTINUED)

	NOTE: The following components are used, as indicated, in the "Damper Packages" listed on the opposite page.					
21	Pressure Operator (R22) (R12) (R500)	AP	HF82CR-002 HF82CR-004 HF82CR-006	{ As Required		
22	Damper Lever		09DC402022	1	1	1
23	Damper Shaft		39AC14-1662	7	7	7
24	Shaft Assembly		39AC14-273	1	1	1
25	Nylon Bearing - 3/16"		KT50NZ-005	8	8	8
26	7/16"		KT50NZ-039	8	8	8
27	Washer - 7/16		AU01AB-271	8	8	8
28	Set Screw - #5/16 - 18 X 1/2"		AE19AS-196	15	15	15
29	Machine Screw - #1/4 - 20 X 1/2"		AA06BS-166	2	2	2
30	Flexloc Nut - #10 - 24		AT54AB-131	8	8	8
31	#1/4 - 20		AT54AB-171	2	2	2
32	Damper Control Clevis		39AC14-1642	4	4	4
33			39AC14-1652	2	2	2
34	Screw, Square Head - #10 - 24 X 1"		39AC14-1101	8	8	8
NS	Tube Assembly		09DC403422	1	1	1
35	Blade Assembly		09DC404623	2		
		NP	09DC404613		2	
			09DC406653			2
36	Blade Assembly		09DC404693	1		
		NP	09DC404673		1	
			09DC406613			1
37	Blade Assembly		09DC404703	1		
		NP	09DC404683		1	
			09DC406623			1
38	Connector Rod - 33" lg. 27 1/2" lg. 40" lg.		09DC501121 09DC501111 09DC501261	1	1	1
39	Connector Rod - 9 1/2" lg. 7" lg. 12 1/4" lg.		09DC501101 09DC501091 09DC501251	2	2	2