

5.4000A FAN

PART
 .FIG . . . NUMBER NAME AND DESCRIPTION

		TYPES									
		670	672	686	687	688	689	692	699	701	702
											706
											709
5.4010 - BLADE, FAN											
	NPN										
	5147710				1					1	
4A	5145212		1								1
4A	5106199					1					
4A	5162837										1
4A	5173872								1		
4A	5140100	1		1				1			
4A	5171229								1		
4A	186625					4	4				4
4A	186629							6			
4A	180082			6							
4A	179824										4
4A	179828								6		
4A	428444		4								
	103320	6	4	6		4	4	6	6		4
5.4015 - PULLEY AND HUB ASSY., FAN											
SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.											
NOTE: WHEN CONVERTING TO NEW TYPES REQUIRED TO REPLACE 5126242 INCLUDE ITEMS THAT MAY DIFFER IN 5.4010.											
	5131208	1				1					
	5126242										
	5131207			1	1				1		
	5122869						1				
	5170472		1								1
	5139641							1			
	5122868										1
@ NOT SERVICED: CONVERT TYPE 688 TO TYPE 870.											
* NOT SERVICED, USE PART NUMBER IN PARENTHESES.											
5.4025 - SUPPORT, FAN MOUNTING											
4A	5126868		1				1				1
	8921343									2	
4C	5109640	1		1				1	1		
	5136366			1							
	5108945					1					
	186619		2				2				2
	179850			2							
	186282		2				2				2

5.4000A FAN

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	670	672	686	687	688	692	699	701	702	706	709
5.4025 - SUPPORT, FAN MOUNTING (CONTD)													
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)					4				4		
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2			2			2	2			
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	2		2	2			2	2			
	103321	LOCKWASHER, 3/8" (12.9200)		4			4	4			4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	2		2	2			2	2			
* NOT SERVICED; USE 5141945 PLUS (2) 179850 AND (2) 179864 BOLTS.													
5.4090 - BRACKET, FAN SHAFT													
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)		3			3	3					3
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											3
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		3			4	3				3	
	103341	WASHER, 3/8" (12.9190)										3	
	103321	LOCKWASHER, 3/8" (12.9200)		AR			AR	AR				AR	AR
5.4100 - SHAFT, FAN													
FOR SHAFT SEE PULLEY AND HUB ASSY. BREAKDOWN.													
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4		4	4			4	4			
4C	5108436	WASHER, 15/32" (7.1598)	4		4	4			4	4			
4C	103322	LOCKWASHER, 7/16" (12.9200)	4		4	4			4	4			
5.4180 - CAP & SPACER, FAN HUB													
	5131536	CAP & SPACER ASSY. (INCLUDES CAP)		1									
	5111071	% CAP & SPACER ASSY. (INCLUDES CAP)								1			
	5125022	CAP & SPACER ASSY. (INCLUDES CAP)											1
	5108740	* SPACER	1		1	1							
% NOT SERVICED, USE (3) 5103676 SPACER AND 5107293 CAP.													
* NOT SERVICED USE 5103676 AND 5107293 CAP.													
5.4290 - SCREW, FAN BRACKET ADJUSTING													
4C	5109642	BOLT, 5/16"-18X7" ADJ.								1			
	5108434	BOLT, 5/16"-18 X 5" ADJ.	1		1	1			1				
	5134618	BRACKET	1		1	1			1				
4C	5109641	BRACKET								1			
	5135834	BRACKET									1		
	179847	BOLT, 3/8"-16X2" (12.9001)									2		

5.4000A FAN

PART		TYPES																
FIG	NUMBER	NAME AND DESCRIPTION																
		6 7 0	6 7 2	6 8 6	6 8 7	6 8 8	6 9 2	6 9 9	7 0 1	7 0 2	7 0 6	7 0 9						
5.4290 - SCREW, FAN BRACKET ADJUSTING (CONT'D)																		
179856	BOLT, 7/16"-14X3/4" (12.9001)								2									
179858	BOLT, 7/16"-14X1" (12.9001)							2										
193221	BOLT, 7/16"-14X1 1/4" (12.9001)	2		2	2													
120393	WASHER, 5/16" (12.9190)			1					1									
103342	WASHER, 7/16" (12.9190)	2		2	2			2										
103322	LOCKWASHER, 7/16" (12.9200)	2		2	2			2	2									

5.4000A FAN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	7 1 0	7 1 3	7 1 4	7 1 6	7 1 7	7 3 3	7 3 8	7 4 1	7 4 8	7 5 1	7 5 4	7 5 8
5.4010 - BLADE, FAN														
	NPN	BLADE (CUSTOMER FURNISHED)					1							
4A	5147710	BLADE, 18"-6 BLADE, BLOWER											1	
4A	5145211	BLADE, 20"-6 BLADE, SUCTION	1			1								
4A	5162837	BLADE, 22"-5 BLADE, SUCTION		1										
4A	5133872	BLADE, 22"-6 BLADE, SUCTION			1									
4A	5124701	BLADE, 22"-6 BLADE, SUCTION									1			
4A	5173871	BLADE, 22"-6 BLADE, BLOWER												1
4A	5100183	BLADE, 24"-6 BLADE, BLOWER						1						
4A	5140100	BLADE, 24"-6 BLADE, BLOWER								1				
4A	5171228	BLADE, 26"-6 BLADE, SUCTION							1					
4A	5171229	BLADE, 26"-6 BLADE, BLOWER										1		
	179816	BOLT, 5/16"-18X3/4" (12.9001)				4								
	186625	BOLT, 5/16"-18X7/8" (12.9001)									4			
	186629	BOLT, 5/16"-18X1" (12.9001)	4				4						4	
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)		4						4				
	179826	BOLT, 5/16"-18X2" (12.9001)						6	6					
	186643	BOLT, 5/16"-18X2 1/16" (12.9001)				6								
	179828	BOLT, 5/16"-17X2 1/2" (12.9001)										6		
	426444	BOLT, 5/16"-18X3 1/4" (12.9001)											4	
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)												6
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	6	AR	4	6	6	4	4	6	4	6
5.4015 - PULLEY & HUB ASSY., FAN														
SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.														
	5140790	PULLEY ASSY. (PAGE B1)	1											
	5170456	# PULLEY ASSY. (PAGE A1)		1										
1B	5131208	= PULLEY ASSY. (PAGE C1) (5103345)			1									1
	5126241	* PULLEY ASSY. (PAGE A1)				1								
	5137478	# PULLEY ASSY. (PAGE B1)					1							
1B	5131207	= PULLEY ASSY. (PAGE C1) (5103347)						1				1		
1B	5100985	= PULLEY ASSY. (PAGE D1) (5103346)							1					
	5122869	PULLEY ASSY. (PAGE A1)								1				
	5132601	PULLEY ASSY. (PAGE A1)									1			
	5126502	PULLEY ASSY. (PAGE A1)											1	
# NOT SERVICED; USE COMPONENTS. SEE ASSEMBLY BREAKDOWN. = NOT SERVICED USE PART NUMBER IN PARENTHESES. * NOT SERVICED CONVERT TYPE 716 TO TYPE 848 AND INCLUDE ITEMS THAT DIFFER IN 5.4010.														
5.4025 - SUPPORT, FAN MOUNTING														
4A	5126868	SUPPORT	1	1			1			1	1		1	
4C	5133272	* SUPPORT				1								
1A	5108945	SUPPORT					2							

5.4000A FAN

PART ..FIG .. NUMBER .. NAME AND DESCRIPTION ..			TYPES											
			7 1 0	7 1 3	7 1 4	7 1 6	7 1 7	7 3 3	7 3 8	7 4 1	7 4 8	7 5 1	7 5 4	7 5 8
5.4025 - SUPPORT, FAN MOUNTING (CONT'D)														
4C	5109640	SUPPORT						1	1			1		1
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)			2						3			
	9409079	BOLT, 3/8"-16X7/8" (12.9001)									2			
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)	2	2			2			2			2	
	9409215	BOLT, 3/8"-16X1 1/4" LOCK (12.9001)									1			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)											3	
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2	2			2			2	2		2	
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)				4								
	460617	BOLT, 3/8"-16X4 3/4" (12.9001)			2			2	2			2		2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)						2	2			2		2
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)			2									
	103341	WASHER, 3/8" (12.9120)											3	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR	AR			AR	4		AR	
	103322	LOCKWASHER, 7/16" (12.9200)			2			2	2			2		2
		* OBSOLETE												
5.4090 - BRACKET, FAN SHAFT														
4C	5109641	BRACKET							1			1		1
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)	3	3		4				3			3	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3	3		4	3			3				
4C	179856	BOLT, 7/16"-14X3/4" (12.9001)						2				2		2
	103341	WASHER, 3/8" (12.9190)					3							
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR	AR			AR				
4C	103322	LOCKWASHER, 7/16" (12.9200)						2				2		2
5.4100 - SHAFT, FAN														
FOR SHAFT SEE PULLEY AND HUB ASSY. BREAKDOWN.														
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)				4		4	4			4		4
4C	5108436	WASHER, 15/32" (7.1598)				4		4	4			4		4
4C	103322	LOCKWASHER, 7/16" (12.9200)				4		4	4			4		4
5.4180 - CAP AND SPACER, FAN HUB														
	5125022	CAP AND SPACER ASSY. (INCLUDES CAP)		1						1				
	5109034	* CAP AND SPACER ASSY. (INCLUDES CAP)			1									
	5176204	+ CAP AND SPACER ASSY. (INCLUDES CAP)						1	1					
	5111071	# CAP AND SPACER ASSY. (INCLUDES CAP)										1		
	5131536	CAP AND SPACER ASSY. (INCLUDES CAP)											1	
	5182861	+ CAP AND SPACER ASSY. (INCLUDES CAP)												1
		* NOT SERVICED, USE (1) 5144798 AND (2) 5103676 SPACERS.												

5.4000A FAN

PART
..FIG .. NUMBER .. NAME AND DESCRIPTION ..

TYPES

	7 1 0	7 1 3	7 1 4	7 1 6	7 1 7	7 3 3	7 3 8	7 4 1	7 4 8	7 5 1	7 5 4	7 5 8		
5.4180 - CAP AND SPACER, FAN HUB (CONT'D)														
# NOT SERVICED USE (1) 5107293 AND (3) 5103676 SPACER.														
+ NOT SERVICED, USE 5103718 PLUS (1) 5144798 CAP.														
5.4290 - SCREW, FAN BRACKET ADJUSTING														
5134618 BRACKET				1		1								
5108434 BOLT, 5/16"-18 X 5" ADJ.			1			1								
5109642 BOLT, 5/16"-18 X 7" ADJ.							1			1		1		
179837 BOLT, 3/8"-16X3/4" (12.9001)										2				
193221 BOLT, 7/16"-14X1 1/4" (12.9001)			2			2								
120393 WASHER, 5/16" (12.9190)							1			1		1		
103342 WASHER, 7/16" (12.9190)			2			2								
103321 LOCKWASHER, 3/8" (12.9200)										2				
103322 LOCKWASHER, 7/16" (12.9200)			2			2								

5.4000A FAN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	7 7 1	7 7 6	7 8 4	8 0 1	8 0 4	8 0 5	8 2 0	8 2 1	8 2 7	8 2 8	8 3 5	8 3 6
5.4010 - BLADE, FAN														
4A	5146845	BLADE, 17"-6 BLADE, BLOWER								1				
4A	5146844	BLADE, 17"-6 BLADE, SUCTION										1		
4A	5145773	BLADE, 18"-6 BLADE, SUCTION									1			
4A	5145212	BLADE, 20"-6 BLADE, BLOWER						1						
1B	5162837	BLADE, 22"-5 BLADE, SUCTION		1										
4A	5173871	BLADE, 22"-6 BLADE, BLOWER				1	1							1
4A	5106199	BLADE, 22"-5 BLADE, BLOWER							1					
4A	5100183	BLADE, 24"-6 BLADE, BLOWER	1											
4A	5171228	BLADE, 26"-6 BLADE, SUCTION			1								1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)	6	4		6			4			4		
	186629	BOLT, 5/16"-18X1" (12.9001)						4			4			
	180082	BOLT, 5/16"-18X1 3/8" (12.9001)			6									
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)								4				
	179826	BOLT, 5/16"-18X2" (12.9001)												6
	179829	BOLT, 5/16"-18X2 3/4" (12.9001)					6	6					6	
	103320	LOCKWASHER, 5/16" (12.9200)	6	4	6	6	6	6	AR	AR	AR	AR	6	6
5.4015 - PULLEY & HUB ASSY., FAN														
SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.														
1B	5170456	# PULLEY ASSY. (PAGE A1)		1										
	5131207	* PULLEY ASSY. (PAGE C1) (5103347)	1		1	1	1						1	1
	5132601	PULLEY ASSY. (PAGE A1)							1					
	5126502	PULLEY ASSY. (PAGE A1)						1						
	5122868	PULLEY ASSY. (PAGE A1)								1				
	5170472	PULLEY ASSY. (PAGE B1)									1			
	5126242	@ PULLEY ASSY. (PAGE A1)										1		
# NOT SERVICED; USE COMPONENTS. SEE ASSEMBLY BREAKDOWN.														
@ NOT SERVICED; CONVERT TYPE 828 TO 878.														
* NOT SERVICED, USE PART NUMBER IN PARENTHESES.														
5.4025 - SUPPORT, FAN MOUNTING														
4A	5126888	SUPPORT		1				1	1	1	1			1
1A	5108945	SUPPORT										2	2	
4C	5109640	SUPPORT	1		1								1	
	5136366	* SUPPORT				1	1							
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)							4		3		4	
	9409079	BOLT, 3/8"-16X7/8" (12.9001)							2					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2				2	2	2	2			2
	9409215	BOLT, 3/8"-16X1 1/4" LOCK (12.9001)							1					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						3		3	3	4		

5.4000A FAN

PART		TYPES												
..FIG	NUMBER	NAME AND DESCRIPTION	7 7 1	7 7 6	7 8 4	8 0 1	8 0 4	8 0 5	8 2 0	8 2 1	8 2 7	8 2 8	8 3 5	8 3 6
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
	186679	BOLT, 3/8"-16X1 3/8" (12.9001)									3			
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)				2	2							
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)		2				2	2	2	2			2
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)										4	4	
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2		2								2	2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	2		2	2	2						2	2
	103321	LOCKWASHER, 3/8" (12.9200)		AR				AR	AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	2		2	2	2						2	2
		* NOT SERVICED, USE 5141945 PLUS 2-179850 AND 2-179864 BOLTS.												
		5.4090 - BRACKET, FAN SHAFT												
4C	5109641	BRACKET	1		1					1			1	1
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)		3				3	3	3		4		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		3										
	179856	BOLT, 7/16"-14X3/4" (12.9001)	2		2								2	2
	103321	LOCKWASHER, 3/8" (12.9200)		AR					AR	AR	AR	AR		
	103322	LOCKWASHER, 7/16" (12.9200)	2		2								2	2
		5.4100 - SHAFT, FAN												
		FOR SHAFT SEE PULLEY AND HUB ASSY. BREAKDOWN.												
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4		4	4	4						4	4
4C	5108438	WASHER, 15/32" (7.1598)	4		4	4	4						4	4
4C	103322	LOCKWASHER, 7/16" (12.9200)	4		4	4	4						4	4
		5.4180 - CAP AND SPACER, FAN HUB												
	5125022	CAP AND SPACER ASSY. (INCLUDES CAP)								1				
	5109034	* CAP AND SPACER ASSY. (INCLUDES CAP)												1
	5111071	# CAP AND SPACER ASSY. (INCLUDES CAP)											1	
	5108740	@ CAP AND SPACER ASSY. (INCLUDES CAP)												
	5109050	& CAP AND SPACER ASSY. (INCLUDES CAP)			1									
		* NOT SERVICED, USE 5144798 CAP AND (2) 5103676 SPACERS.				1								
		# NOT SERVICED, USE 5107293 CAP AND (3) 5103676 SPACER.												
		@ NOT SERVICED, USE 5107293 CAP AND 5103676 SPACER.												
		& NOT SERVICED, USE (1) 5107293 CAP, (1) 5103718 SPACER AND (2) 5103676 SPACERS.												

DETROIT DIESEL

53 MPC ENGINES

5.4000A FAN

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	7 7 1	7 7 6	7 8 4	8 0 1	8 0 4	8 0 5	8 2 0	8 2 1	8 2 7	8 2 8	8 3 5	8 3 6
5.4290 - SCREW, FAN BRACKET ADJUSTING														
	5134618	BRACKET				1	1							
	5108434	BOLT, 5/16"-18 X 5" ADJ.				1	1							
4C	5109642	BOLT, 5/16"-18 X 7" ADJ.	1		1								1	1
	179837	BOLT, 3/8"-16X3/4" (12.9001)	2											
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)				2	2							
4C	120393	WASHER, 5/16" (12.9190)	1		1	1	1						1	1
	103342	WASHER, 7/16" (12.9190)				2	2							
	103321	LOCKWASHER, 3/8" (12.9200)	2											
	103322	LOCKWASHER, 7/16" (12.9200)				2	2							

5.4000A FAN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	8 3 7	8 3 8	8 4 8	8 5 1	8 5 2	8 5 6	8 5 9	8 6 0	8 6 3	8 6 7	8 6 8	8 6 9
5.4010 - BLADE, FAN														
4A	5147710	BLADE, 18"-6 BLADE, BLOWER									1			
4A	5145773	BLADE, 18"-6 BLADE, SUCTION										1		
4A	5145211	BLADE, 20"-6 BLADE, SUCTION			1									
4A	5145212	BLADE, 20"-6 BLADE, BLOWER		1		1								
4A	5162837	BLADE, 22"-5 BLADE, SUCTION	1											
4A	5106199	BLADE, 22"-5 BLADE, BLOWER					1		1					1
4A	5171228	BLADE 26"-6 BLADE, SUCTION						1						
4A	5137483	BLADE 32"-8 BLADE, SUCTION								1				
4A	186625	BOLT, 5/16"-18X3/4" (12.9001)	4	4	4		4		4					
4A	186629	BOLT, 5/16"-18X1" (12.9001)				4					6	6		
4A	179824	BOLT, 5/16"-18X1 3/4" (12.9001)								6				6
4A	179829	BOLT, 5/16"-18X2 3/4" (12.9001)						6						
4A	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR
5.4015 - PULLEY & HUB ASSY., FAN														
SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED.														
	5122868	PULLEY ASSY. (PAGE A1)	1			1								
	5126242	# PULLEY ASSY. (PAGE A1)		1										
	5145534	* PULLEY ASSY. (PAGE D1) (5103512)			1									1
	5122869	PULLEY ASSY. (PAGE A1)					1							
1B	5131207	* PULLEY ASSY. (PAGE C1) (5103347)						1						
	5170472	PULLEY ASSY. (PAGE B1)							1					
1B	5131210	* PULLEY ASSY. (PAGE C1) (5103349)								1				
	5145535	PULLEY ASSY. (PAGE D1)									1	1	1	
# NOT SERVICED, FOR TYPE 838 USE 5145535 HUB ASSY. PLUS 5145212 FAN BLADE AND (2) 186625 BOLTS.														
* NOT SERVICED, USE PART NUMBER IN PARENTHESES.														
5.4025 - SUPPORT, FAN MOUNTING														
4A	5126868	SUPPORT	1				1		1					
1A	5108945	SUPPORT		2	2						2	2	2	2
4C	5109640	SUPPORT						1						
4C	5133272	* SUPPORT								1				
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)	3	4	4		3		3		4	4	4	4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2			2	2		2					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3	4	8	3	3							
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2			2	2		2					
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)									4	4	4	
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)		4	4									4
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)						2		2				
	179871	BOLT, 7/16"-14X1 3/4" (12.9001)								2				

5.4000A FAN

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	8 3 7	8 3 8	8 4 8	8 5 1	8 5 2	8 5 6	8 5 9	8 6 0	8 6 3	8 6 7	8 6 8	8 6 9
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
	103341	WASHER, 3/8" (12.9190)								2				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200) * OBSOLETE						AR		AR				
		5.4090 - BRACKET, FAN SHAFT												
4C	5109641	BRACKET						1		1				
	5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)				3		2						
	179837	BOLT, 3/8"-16X3/4" (12.9001)						2						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	4											
	190943	BOLT, 7/16"-14X3/4" (12.9001)						2		2				
	103341	WASHER, 3/8" (12.9190)			3									
	103321	LOCKWASHER, 3/8" (12.9200)						AR						
	103322	LOCKWASHER, 7/16" (12.9200)						AR		AR				
		5.4100 - SHAFT, FAN												
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)						4		4				
	103322	LOCKWASHER, 7/16" (12.9200)						AR		AR				
		5.4180 - CAP AND SPACER, FAN HUB												
	5109050	# CAP AND SPACER ASSY. (INCLUDES CAP)						1						
4C	5111071	% CAP AND SPACER ASSY. (INCLUDES CAP)								1				
4B	5103718	SPACER, .80" THICK # NOT SERVICED, USE 5103718 SPACER PLUS (2) 5103676 SPACER AND 5107293 CAP. % NOT SERVICED, USE (3) 5103676 SPACER AND 5107293 CAP.											1	
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
4C	5109642	BOLT, 5/16"-18 X 7" ADJ.						1		1				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							3		4	4	4	4
4C	120393	WASHER, 5/16" (12.9190)						1		1				
	103321	LOCKWASHER, 3/8" (12.9200)							AR		AR	AR	AR	AR

5.4000A FAN

PART ..FIG .. NUMBER .. NAME AND DESCRIPTION ..			TYPES												
			8 7 0	8 7 1	8 7 4	8 7 5	8 7 6	8 7 7	8 7 8	8 8 1	8 8 8	8 8 9	9 0 1	9 0 3	9 0 6
5.4010 - BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED															
	NPN	BLADE, CUSTOMER FURNISHED					1								
4A	5146844	BLADE, 17"-6 BLADE, SUCTION							1						
4A	5120005	BLADE, 18"-6 BLADE, SUCTION													1
4A	5145773	BLADE, 18"-6 BLADE, SUCTION			1										
4A	5145211	BLADE 20"-6 BLADE, SUCTION		1											
4A	5145212	BLADE, 20"-6 BLADE, BLOWER						1			1				
4A	5162837	BLADE, 22"-5 BLADE, SUCTION				1				1					
4A	5106199	BLADE, 22"-5 BLADE, BLOWER	1										1		
4A	5177766	BLADE, 26"-6 BLADE, SUCTION										1			
4A	5171229	BLADE, 26"-6 BLADE, BLOWER												1	
4A	186625	BOLT, 5/16"-18X3/4" (12.9001)	6					6	6		4	4			
4A	186629	BOLT, 5/16"-18X1" (12.9001)		6	6										4
4A	179824	BOLT, 5/16"-18X1 3/4" (12.9001)				6									
4A	186648	BOLT, 5/16"-18X1 7/8" (12.9001)											6		
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)												6	
4A	179829	BOLT, 5/16"-18X2 3/4" (12.9001)							6						
4A	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR
5.4015 - PULLEY AND HUB ASSY., FAN															
SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED.															
	5145534	# PULLEY ASSY. (PAGE D1) (5103512)				1	1								
	5145535	# PULLEY ASSY. (PAGE D1) (5103352)	1	1	1			1	1				1		
	5132601	PULLEY ASSY. (PAGE A1)								1	1				
	5131209	# PULLEY ASSY. (PAGE C1) (5103346)										1			
	5131208	# PULLEY ASSY. (PAGE C1) (5103345)												1	
	5134558	PULLEY ASSY. (PAGE B1)													1
# NOT SERVICED, USE PART NUMBER IN PARENTHESES.															
5.4025 - SUPPORT, FAN MOUNTING															
4C	5126868	SUPPORT									1	1			
1A	5108945	SUPPORT	2	2			2		2				2		
	5109640	SUPPORT												1	
4C	5133272	* SUPPORT										1			
	8921343	SUPPORT			2	2		2							
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)	4	4	4	4	4	4	4	3	3		4		
	9409079	BOLT, 3/8"-16X7/8" (12.9001)									2	2			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									2	2			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)										1	4		
	9409215	BOLT, 3/8"-16X1 1/4" LOCK (12.9001)									1				
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)									2	2			
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)	4	4	4								4		
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)				4	4	4	4	4					
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)							2					2	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)												4	
	179871	BOLT, 7/16"-14X1 3/4" (12.9001)										2			

5.4000A FAN

PART ..FIG .. NUMBER		NAME AND DESCRIPTION											TYPES													
													8 7 0	8 7 1	8 7 4	8 7 5	8 7 6	8 7 7	8 7 8	8 8 1	8 8 8	8 8 9	9 0 1	9 0 3	9 0 6	
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)																								
		427567	BOLT, 7/16"-14X1 3/4" (12.9001)																	2				2		
		5108436	WASHER, 15/32" (7.1598)																					4		
		103321	LOCKWASHER, 3/8" (12.9200)										AR	AR	AR	AR	AR	AR	AR	AR	AR		AR		AR	
		103322	LOCKWASHER, 7/16" (12.9200)																	AR						
			* OBSOLETE																							
		5.4090 - BRACKET, FAN SHAFT																								
4C		5109641	BRACKET																1					1		
		5134481	BRACKET																						1	
		5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)																						4	
		5135962	SCREW, 3/8"-16X2 1/2" (12.9066)																						2	
		179837	BOLT, 3/8"-16X3/4" (12.9001)																						2	
		9409079	BOLT, 3/8"-16X7/8" (12.9001)																	2						
		5157244	BOLT, 3/8"-16X1 3/4" (4.4190)																						2	
		9409914	BOLT, 3/8"-16X4 1/4" (12.9001)																						2	
		190943	BOLT, 7/16"-14X3/4" (12.9001)																2					2		
		103321	LOCKWASHER, 3/8" (12.9200)																					2	AR	
		103322	LOCKWASHER, 7/16" (12.9200)																					AR	AR	
		5.4100 - SHAFT, FAN																								
		427564	BOLT, 7/16"-14X1 3/8" (12.9001)																			4				
		5108436	WASHER, 15/32" (7.1598)																	4						
		103322	LOCKWASHER, 7/16" (12.9200)																			AR				
		5.4180 - CAP AND SPACER, FAN HUB																								
4C		5111071	% CAP AND SPACER ASSY. (INCLUDES CAP)																			1				
4B		5103718	SPACER, .80" THICK																							
4B		5103676	SPACER, .56" THICK																							
			% NOT SERVICED, USE (3) 5103676 SPACER AND 5107293 CAP.																				1	3		
		5.4290 - SCREW, FAN BRACKET ADJUSTING																								
4C		5109642	BOLT, 5/16"-18 X 7" ADJ.																1					1		
4C		186612	BOLT, 3/8"-16X1 3/8" (12.9001)										4	4	4	4	4	4	4	1						
4C		120393	WASHER, 5/16" (12.9190)																			1		1		
4C		103321	LOCKWASHER, 3/8" (12.9200)										AR	AR	AR	AR	AR	AR	AR	AR						
		103322	LOCKWASHER, 7/16" (12.9200)																			AR				

DETROIT DIESEL

53 MPC ENGINES

5.4000A FAN

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	912	919	928	927	928	929	930	937	938	939	940	942
5.4025 - SUPPORT, FAN MOUNTING (CONT'D)														
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	2											
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR										AR	
		* OBSOLETE												
5.4090 - BRACKET, FAN SHAFT														
4C	5109641	BRACKET (5.4290)	1										1	
4C	179856	BOLT, 7/16"-14X3/4" (12.9001)	2										2	
4C	179837	BOLT, 3/8"-16X3/4" (12.9001)											2	
4C	103322	LOCKWASHER, 7/16" (12.9200)	AR										AR	
4C	103321	LOCKWASHER, 3/8" (12.9200)											2	
5.4180 - CAP AND SPACER, FAN HUB														
4C	5103718	SPACER (.80" THICK)						1				1		
4C	5103676	SPACER (.56" THICK)										3		2
5.4290 - SCREW, FAN BRACKET ADJUSTING														
4C	5109642	BOLT, 5/16"-18 X 7" ADJ.	1										1	
4C	120393	WASHER, 5/16" (12.9190)	1										1	

5.4000A FAN

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	9 4 3	9 4 4	9 5 3	9 5 5	9 6 2	9 7 0	9 7 7	9 8 1	9 9 3	1 0 0 2	1 0 0 4	1 0 0 6
5.4010 - BLADE, FAN														
4A	5146845	BLADE, 17"-6 BLADE, BLOWER											1	
4A	5147710	BLADE, 18"-6 BLADE, BLOWER		1										
4A	5162837	BLADE, 22"-5 BLADE, SUCTION			1									1
4A	5119011	BLADE, 22"-5 BLADE, SUCTION					1					1		
4A	5140100	BLADE, 24"-5 BLADE, BLOWER												
4A	5128508	BLADE, 24"-6 BLADE, SUCTION				1								
4A	5100183	BLADE, 24"-6 BLADE, BLOWER						1						
4A	5171229	BLADE, 26"-6 BLADE, BLOWER	1								1			
4A	5171228	BLADE, 26"-6 BLADE, SUCTION						1		1				
	186625	BOLT, 5/16"-18X7/8" (12.9001)										4	6	
	186629	BOLT, 5/16"-18X1" (12.9001)			6	6								
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)					4							
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)						6						
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)		6										
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)		6										6
	179826	BOLT, 5/16"-18X2" (12.9001)	6							6				
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)									6			
	179830	BOLT, 5/16"-18X3" (12.9001)							6					
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
5.4015 - PULLEY AND HUB ASSY., FAN														
SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED.														
	5145534	* PULLEY ASSY. (PAGE D1) (5103512)			1									
	5147082	PULLEY ASSY. (PAGE D1)											1	
	5145535	PULLEY ASSY. (PAGE D1)		1										1
	5131208	* PULLEY ASSY. (PAGE C1) (5103345)	1			1		1		1	1			
	5148441	PULLEY ASSY. (PAGE A1)					1							
	5131207	* PULLEY ASSY. (PAGE C1) (5103347)						1						
	5122869	PULLEY ASSY. (PAGE A1)										1		
* NOT SERVICED, USE PART NUMBER IN PARENTHESES.														
5.4025 - SUPPORT, FAN MOUNTING														
	5126868	SUPPORT					1					1	1	
4C	5109640	SUPPORT	1			1			1	1				
	5108945	SUPPORT		2	2									2
4B	5141945	SUPPORT						1			1			
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)		4	4		3							
	5108436	SPACER, 15/32" X 15/16" X 5/33" (7.1598)	4			4		4	4	4	4			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					2					2	2	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		4	4		3							
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)					2					2	2	2

5.4000A FAN

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	943	944	953	955	962	970	977	981	993	1002	1004	1006
5.4025 - SUPPORT, FAN MOUNTING (CONT'D)														
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)		4	4									4
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2			2		2	2	2	2			
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4			4		4	4	4	4			
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	2			2		2	2	2				
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)						2			2			
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR					AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR			AR		AR	AR	AR	AR			
5.4090 - BRACKET, FAN SHAFT														
4C	5109641	BRACKET (5.4290)				1			1	1				
	5134618	BRACKET	1					1			1			
	5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)										3	3	4
	179856	BOLT, 7/16"-14X3/4" (12.9001)				2			2	2				
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	2					2			2			
	179837	BOLT, 3/8"-16X3/4" (12.9001)				2			2	2				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)										3	3	4
	103342	WASHER, 7/16" (12.9190)	2					2			2			
	103322	LOCKWASHER, 7/16" (12.9200)	AR			AR		AR	AR	AR	AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)				2			2	2				
5.4180 - CAP AND SPACER, FAN HUB														
4C	5103718	SPACER (.80" THICK)	1	1	1				2	1				
	5147472	SPACER (.32" THICK)					1							
4C	5103676	SPACER (.56" THICK)						1	1		3			
5.4290 - SCREW, FAN BRACKET ADJUSTING														
4C	5108434	BOLT, 5/16"-18X5"	1					1			1			
4C	5109642	BOLT, 5/16"-18 X 7" ADJ.				1			1	1				
4C	120393	WASHER, 5/16" (12.9190)				1		1	1	1	1			
5.4325 - IDLER PULLEY, FAN BELT (WITH ADJUSTING ARM)														
	5137548	GUIDE ASSY.					1							
	181350	BOLT, 5/16"-24X2 1/2" (12.9001)					1							
	103320	LOCKWASHER, 5/16" (12.9200)					1							
	114493	NUT, 5/16"-24 (12.9120)					1							
5.4343 - ARM, FAN BELT IDLER PULLEY ADJUSTING														
AN ARM ASSY. INCLUDES ARM, PULLEY SHAFT AND BUSHING WHICH ARE NOT SOLD SEPARATELY. PLUS BEARING IN 5.4343.														

5.4000A FAN

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	9 4 3	9 4 4	9 5 3	9 5 5	9 6 2	9 7 0	9 7 7	9 8 1	9 9 3	1 0 2	1 0 4	1 0 6
		5.4343 - ARM, FAN BELT IDLER PULLEY ADJUSTING (CONT'D)												
	5148443	+ ARM ASSY.					1							
	908140	BEARING					1							
	179847	BOLT, 3/8"-16X2" (12.9001)					1							
	5139928	WASHER, .10" I.D. X 1 3/8" O.D.					1							
	103321	LOCKWASHER, 3/8" (12.9200)					1							
	102635	NUT, 3/8"-16 (12.9120)					1							
		+ NOT SERVICED, USE 5136623.												
		5.4346 - BRACKET, FAN BELT IDLER PULLEY ADJUSTING ARM STOP												
	5147111	SUPPORT, IDLER ARM ADJUSTING					1							
	5147467	HUB, IDLER ARM SUPPORT					1							
	117297	SCREW, 5/16"-18X1 3/4" FIL. HD. (12.9010)												
							1							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					1							
	455537	BOLT, 3/8"-16X4" (12.9001)					2							
	5196119	SPACER, 3/8" THICK (5.4025)					1							
	103341	WASHER, 3/8" (12.9190)					1							
	103321	LOCKWASHER, 3/8" (12.9200)					3							
	120376	NUT, 5/16"-18 (12.9120)					1							
	102635	NUT, 3/8"-16 (12.9120)					1							
		5.4353 - SPRING, FAN BELT IDLER PULLEY SUPPORT SHAFT												
	5136654	SPRING					1							
		5.4355 - BRACKET, FAN BELT IDLER PULLEY SPRING												
	5147122	BRACKET					1							
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)					2							
	103321	LOCKWASHER, 3/8" (12.9200)					2							

5.4000A FAN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	1 0 2 3	1 0 2 4	1 0 2 5	1 0 3 8	1 0 3 9	1 0 4 0	1 0 4 1	1 0 4 5	1 0 4 8	1 0 5 0	1 0 5 1	1 0 5 3
5.4010 - BLADE, FAN														
	NPN	BLADE (CUSTOMER FURNISHED)					1							
4A	5128508	BLADE, 24"-6 BLADE, SUCTION	1											
4A	5145211	BLADE, 20"-6 BLADE, SUCTION		1		1			1					1
4A	5100183	BLADE, 24"-6 BLADE, BLOWER			1			1						
4A	5106199	BLADE, 22"-5 BLADE, BLOWER								1				
4A	5145212	BLADE, 20"-6 BLADE, SUCTION									1			
4A	5177766	BLADE, 26"-6 BLADE, SUCTION										1		
4A	5162837	BLADE, 22"-5 BLADE, SUCTION											1	
4A	186625	BOLT, 5/16-18X7/8" (12.9001)							6					
4A	186629	BOLT, 5/16"-18X1" (12.9001)				4					4		4	4
4A	180082	BOLT, 5/16"-18X1 3/8" (12.9001)		4										
4A	186648	BOLT, 5/16"-18X1 7/8" (12.9001)								6				
4A	179826	BOLT, 5/16"-18X2" (12.9001)										6		
4A	179827	BOLT, 5/16"-18 X 2 1/4" (12.9001)						6						
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)	6											
4A	179829	BOLT, 5/16"-18X2 3/4" (12.9001)			6									
4A	103320	LOCKWASHER, 5/16" (12.9200)	4	6	6	4		6	6	6	4	6	4	4
5.4015 - PULLEY AND HUB ASSY., FAN														
SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED.														
	5131207	* PULLEY ASSY. (PAGE C1) (5103347)	1		1									
	5148441	PULLEY ASSY. (PAGE A1)		1										
	5100988	* PULLEY ASSY. (PAGE D1) (5103594)					1							
	5103512	PULLEY ASSY. (PAGE E1)						1		1				
	5147085	PULLEY ASSY. (PAGE D1)							1					
	5100984	* PULLEY ASSY. (PAGE D1) (5103345)										1		
	5147083	PULLEY ASSY. (PAGE D1)												1
	5170456	% PULLEY ASSY. (PAGE A1)				1								
	5122868	PULLEY ASSY. (PAGE A1)									1			
	5140790	PULLEY ASSY. (PAGE B1)											1	
* NOT SERVICED. USE PART NUMBER IN PARENTHESES.														
% NOT SERVICED. FOR SERVICE USE COMPONENTS.														
5.4025 - SUPPORT, FAN MOUNTING														
4C	5109640	SUPPORT	1		1		1					1		
4A	5126868	SUPPORT		1		1			1		1		1	1
	8921343	SUPPORT								2				
	5108945	SUPPORT						2						
	5101580	SPACER (2.04" L.)	1											
	5101661	SPACER (4.24" L.)	1											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		4		2			2		2		2	2
	179851	BOLT, 3/8"-16X3" (12.9001)	2											
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)		2		2			2		2		2	2
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)			2		2					2		
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)						4		4				

5.4000A FAN

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	1 0 2 3	1 0 2 4	1 0 2 5	1 0 3 8	1 0 3 9	1 0 4 0	1 0 4 1	1 0 4 5	1 0 4 8	1 0 5 0	1 0 5 1	1 0 5 3
5.4025 - SUPPORT, FAN MOUNTING (CONT'D)														
	186290	BOLT, 3/8"-16X6" (12.9001)	1											
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)			2		2					2		
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	2	4		4	4	4	4		4	4
	103322	LOCKWASHER, 7/16" (12.9200)			2		2					2		
5.4090 - BRACKET, FAN SHAFT														
4C	5109641	BRACKET					1					1		
	5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)									3			
4C	179837	BOLT, 3/8"-16X3/4" (12.9001)					2					2		
4C	179856	BOLT, 7/16"-14X3/4" (12.9001)					2					2		
4C	103321	LOCKWASHER, 3/8" (12.9200)					2					2		
4C	103322	LOCKWASHER, 7/16" (12.9200)					2					2		
5.4100 - SHAFT, FAN														
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		3		3		4	3	4	3		3	3
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)		4	4		4					4		
	5164294	SPACER, 1/8" THICK (7.1581)		3		3		4	3	4			3	3
	103341	WASHER, 3/8" (12.9190)									3			
	5108436	WASHER, 15/32" (7.1598)	4		4		4					4		
	103321	LOCKWASHER, 3/8" (12.9200)		3		3		4	3	4	3		3	3
	103322	LOCKWASHER, 7/16" (12.9200)	4		4		4					4		
5.4180 - CAP AND SPACER, FAN HUB														
4B	5103676	SPACER, .56" THICK	1		1			2				2		
4C	5103718	SPACER, .80" THICK			1		2			1				
5.4290 - SCREW, FAN BRACKET ADJUSTING														
4C	5109641	BRACKET	1		1									
	179837	* BOLT, 3/8"-16X3/4" (12.9001)	2		2									
4C	5109642	BOLT, 5/16"-18X7"	1		1		1					1		
4C	179856	BOLT, 7/16"-14X3/4" (12.9001)	2		2									
4C	120393	WASHER, 5/16" (12.9190)	1		1		1					1		
		* FOR 10.9" TO 11.6" FAN HEIGHT ONLY												
5.4325 - IDLER PULLEY ASSY., FAN BELT														
		ASSY. INCLUDES ARM, PULLEY, SHAFT AND BUSHING NOT SOLD SEPARATELY AND BEARING IN 5.4332.												

5.4000A FAN

PART		TYPES												
.FIG	NUMBER	NAME AND DESCRIPTION	1 0 2 3	1 0 2 4	1 0 2 5	1 0 3 8	1 0 3 9	1 0 4 0	1 0 4 1	1 0 4 5	1 0 4 8	1 0 5 0	1 0 5 1	1 0 5 3
	5.4325	IDLER, PULLEY FAN BELT WITH ADJUSTING ARM (CONT'D)												
5148443	+	IDLER ASSY.		1										
5137548		GUIDE		1										
5196119		SPACER, 3/8" THICK (3.4001)		1										
181350		BOLT, 5/16"-24X2 3/4" (12.9001)		1										
103320		LOCKWASHER, 5/16" (12.9120)		1										
		+ NOT SERVICED, USE 5136623.												
	5.4332	BEARING, FAN BELT IDLER PULLEY												
908140		BEARING		1										
	5.4347	SUPPORT ASSY., FAN BELT IDLER PULLEY												
5147111		SUPPORT		1										
5147467		HUB		1										
117297		SCREW, 5/16"-18X1 3/4" (12.9010)		1										
186619		BOLT, 3/8"-16X1 1/8" (12.9001)		1										
179847		BOLT, 3/8"-16X2" (12.9001)		1										
5139928		WASHER, SPEC. (5.4337)		1										
103341		WASHER, 3/8" (12.9190)		1										
103321		LOCKWASHER, 3/8" (12.9200)		2										
120376		NUT, 5/16"-18 (12.9120)		1										
102635		NUT, 3/8"-16 (12.9120)		2										
	5.4353	SPRING, FAN BELT IDLER PULLEY SUPPORT SHAFT												
5136654		SPRING		1										
5147122		BRACKET (5.4355)		1										
179849		BOLT, 3/8"-16X2 1/2" (12.9001)		2										
103321		LOCKWASHER, 3/8" (12.9200)		2										

5.4000A FAN

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	1	1	1	1	1	1	1	1	1	1	1
			0	0	0	0	0	1	1	1	1	1	1
			5	5	6	6	6	2	5	5	5	6	6
			4	7	0	3	6	4	6	7	8	0	1
		5.4010 - BLADE, FAN											
	NPN	BLADE (CUSTOMER FURNISHED)					1						
4A	5173871	BLADE, 22"-6 BLADE, BLOWER	1										
4A	5162837	BLADE, 22"-5 BLADE, SUCTION		1									
4A	5172003	BLADE, 26"-6 BLADE, BLOWER			1								
4A	5173872	BLADE, 22"-6 BLADE, SUCTION						1					
4A	5100183	BLADE, 24"-6 BLADE, BLOWER							1				
4A	5106199	BLADE, 22"-5 BLADE, BLOWER								1			
4A	5171229	BLADE, 26"-6 BLADE, BLOWER									1	1	
4A	5128508	BLADE, 24"-6 BLADE, BLOWER											1
4A	5171228	BLADE, 26"-6 BLADE, SUCTION											1
4A	5145211	BLADE, 20"-6 BLADE, SUCTION				1		1					1
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)							4				6
4A	186629	BOLT, 5/16"-18X1" (12.9001)	4			6		6				6	
4A	179819	BOLT, 5/16"-18X1 1/8" (12.9001)								6		6	
4A	179823	BOLT, 5/16"-18X1 5/8" (12.9001)		6									
4A	179826	BOLT, 5/16"-18X2" (12.9001)											6
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)			6				6		6		
	103320	LOCKWASHER, 5/16" (12.9200)	4	6	6	6		6	4	6	6	6	6
		5.4015 - PULLEY AND HUB ASSY., FAN											
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.											
	5122869	PULLEY ASSY. (PAGE A1)	1										
	5147085	PULLEY ASSY. (PAGE D1)		1									
	5131207	* PULLEY ASSY. (PAGE C1) (5103347)			1								
	5103512	PULLEY ASSY. (PAGE E1)				1			1	1			
	5170472	PULLEY ASSY. (PAGE B1)						1					
	5103345	PULLEY ASSY. (PAGE E1)						1			1	1	1
	5105127	* PULLEY ASSY. (PAGE D1) (5105163)				1					1	1	1
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES.											
		5.4025 - SUPPORT, FAN MOUNTING											
4A	5126868	SUPPORT	1	1					1				
4C	5109640	SUPPORT			1						1	1	1
	5108945	SUPPORT				2	2			2			
	8921343	SUPPORT									2		
	5100202	SUPPORT						1					
	5141945	SUPPORT											1
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)				4							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	2				2					
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2	2				2					
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)				4	4		4	4			
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)			2						2	2	2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)			2						2	2	2
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				4							
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)						2					
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)						2					
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)						1					
	5150230	WASHER, 3/8"X1 3/16" (3.4120)						2					
	5109949	WASHER, SPL						2					
	103321	LOCKWASHER, 3/8" (12.9200)	4	4		8	4		4	4	4		
	103323	LOCKWASHER, 1/2" (12.9200)						1					

5.4000A FAN

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	1	1	1	1	1	1	1	1	1	1	1
			0	0	0	0	0	1	1	1	1	1	1
			5	5	6	6	6	2	5	5	6	6	6
			4	7	0	3	6	4	6	7	8	0	4
5.4025 - SUPPORT, FAN MOUNTING (CONT'D)													
	103322	LOCKWASHER, 7/16" (12.9200)			2						2	2	2
5.4090 - BRACKET, FAN SHAFT													
4C	5109641	BRACKET			1						1	1	1
	5134618	BRACKET											1
	179837	BOLT, 3/8"-16 X 3/4" (12.9001)			2						2	2	2
	179856	BOLT, 7/16"-14 X 3/4" (12.9001)			2						2	2	2
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)											2
	103342	WASHER, 7/16" (12.9190)											2
	103321	LOCKWASHER, 3/8" (12.9200)			2						2	2	2
	103322	LOCKWASHER, 7/16" (12.9200)			2						2	2	2
5.4100 - SHAFT, FAN													
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3	3			4		3	4	4		
	427564	BOLT, 7/16-14X1 3/8" (12.9001)			4			4			4	4	4
4C	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)	3	3			4		3	4	4		
	5108436	SPACER, 15/32" X 15/16" X 5/33" (7.1598)			4			4			4	4	4
4C	103321	LOCKWASHER, 3/8" (12.9200)	3	3			4		3	4	4		
4C	103322	LOCKWASHER, 7/16" (12.9200)			4			4			4	4	4
5.4180 - CAP AND SPACER, FAN HUB													
4C	5103676	SPACER (.56" THICK)		1	3		1				3		
4C	5103718	SPACER (.80" THICK)					1			2			1
5.4290 - SCREW, FAN BRACKET ADJUSTING													
	5108434	BOLT, 5/16"-18X5"						1					1
4C	5109642	BOLT, 5/16 -18X7 ADJ.			1			1			1	1	1
4C	120393	WASHER, 5/16" (12.9190)			1			1			1	1	1

5.4000A FAN

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	1	1	1	1	1	1	1	1	1	1	1
			6	6	6	6	7	7	7	7	7	7	8
			5	7	8	9	1	2	3	5	6	7	9
													0
5.4010 - BLADE, FAN													
	NPN	BLADE, CUSTOMER FURNISHED							1		1		
4A	5171229	BLADE, 26"-6 BLADE, BLOWER	1									1	
4A	5177766	BLADE, 26"-6 BLADE, SUCTION		1									
4A	5173872	BLADE, 22"-6 BLADE, SUCTION			1			1		1			
4A	5173871	BLADE, 22"-6 BLADE, BLOWER				1							1
4A	5128508	BLADE, 24"-6 BLADE, BLOWER					1						
4A	5100183	BLADE, 24"-6 BLADE, BLOWER										1	
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)										6	
4A	186629	BOLT, 5/16"-18X1" (12.9001)				6							6
4A	180082	BOLT, 5/16"-18X1 3/8" (12.9001)			6		6						
4A	179823	BOLT, 5/16"-18X1 5/8" (12.9001)						6					
4A	179826	BOLT, 5/16"-18X2" (12.9001)		6									
4A	179828	BOLT, 5/16"-18X2 1/8" (12.9001)	6								6		
4A	179830	BOLT, 5/16"-18X3" (12.9001)							6				
4A	103320	LOCKWASHER, 5/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	6
5.4015 - PULLEY AND HUB ASSY., FAN													
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.											
	5103345	PULLEY ASSY. (PAGE E1)	1	1									
	5103347	PULLEY ASSY. (PAGE E1)			1	1	1	1	1	1	1	1	1
5.4025 - SUPPORT, FAN MOUNTING													
4C	5109640	SUPPORT		1	1	1	1	1	1	1		1	
	5141945	SUPPORT	1								1		1
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2	2	2	2	2	2	2	2	2	2	2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)		2	2	2	2	2	2	2	2	2	
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	2							2			2
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2
5.4090 - BRACKET, FAN SHAFT													
4C	5109641	BRACKET		1	1	1	1			1		1	
	5134618	BRACKET	1					1	1		1		1
	179837	BOLT, 3/8"-16X3/4" (12.9001)		2	2	2	2			2		2	
	179856	BOLT, 7/16"-14X3/4" (12.9001)		2	2	2	2			2		2	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	2					2	2		2		2
	103342	WASHER, 7/16" (12.9190)	2					2	2		2		2
	103321	LOCKWASHER, 3/8" (12.9200)		2	2	2	2			2	2	2	
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2
5.4100 - SHAFT, FAN													
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4	4	4	4	4	4	4	4	4	4	4
4C	5108436	WASHER, 15/32" (7.1598)	4	4	4	4	4	4	4	4	4	4	4
4C	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4

5.4000A FAN

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	1	1	1	1	1	1	1	1	1	1	1
			1	1	1	1	1	1	1	1	1	1	1
			6	6	6	6	7	7	7	7	7	7	8
			5	7	8	9	1	2	3	5	6	7	0
5.4180 - CAP AND SPACER, FAN HUB													
4C	5103676	SPACER (.56" THICK)	3	2	1		1	1		3		3	
5.4290 - SCREW, FAN BRACKET ADJUSTING													
	5108434	BOLT, 5/16"-18X5"	1					1	1		1		1
4C	5109642	BOLT, 5/16"-18 X 7" ADJ.		1	1	1	1			1		1	1
4C	120393	WASHER, 5/16" (12.9190)	1	1	1	1	1			1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION
1	101	101
2	102	102
3	103	103
4	104	104
5	105	105
6	106	106
7	107	107
8	108	108
9	109	109
10	110	110
11	111	111
12	112	112
13	113	113
14	114	114
15	115	115
16	116	116
17	117	117
18	118	118
19	119	119
20	120	120
21	121	121
22	122	122
23	123	123
24	124	124
25	125	125
26	126	126
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35	135	135
36	136	136
37	137	137
38	138	138
39	139	139
40	140	140
41	141	141
42	142	142
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67	167	167
68	168	168
69	169	169
70	170	170
71	171	171
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82	182	182
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84	184	184
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89	189	189
90	190	190
91	191	191
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93	193	193
94	194	194
95	195	195
96	196	196
97	197	197
98	198	198
99	199	199
100	200	200

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5.4000A FAN

PART		TYPES														
FIG	NUMBER	NAME AND DESCRIPTION	1 8 1	1 8 3	1 8 4	1 8 6	1 8 7	1 8 8	1 9 0	1 9 1	1 9 2	1 9 3	1 9 4	1 2 2	1 2 3	
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)														
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)		2	2	2	2		2	2			2			
	100152	BOLT, 7/16"-14X3" (12.9001)						2								
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	2													
	103321	LOCKWASHER, 3/8" (12.9200)									4	4		4	4	
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2	2	2	2	2			2			
		5.4090 - BRACKET, FAN SHAFT														
4C	5109641	BRACKET		1	1	1	1	1	1				1			
	5134618	BRACKET	1							1						
	179837	BOLT, 3/8"-16X3/4" (12.9001)		2	2	2		2	2				2			
	179856	BOLT, 7/16"-14X3/4" (12.9001)		2	2	2	2	2	2				2			
	179858	BOLT, 7/16"-14X1" (12.9001)								2						
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)	2													
	103342	WASHER, 7/16" (12.9190)	2							2						
	103321	LOCKWASHER, 3/8" (12.9200)		2	2	2		2	2				2			
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2	2	2	2	2			2			
		5.4100 - SHAFT, FAN														
	5103370	SHAFT									1					
	7450941	BEARING (5.4110)									1					
	903206	BEARING (5.4110)									1					
4C	186612	BOLT, 3/8"-16X1 3/8" (12.9001)										4		4	4	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4	4	4	4	4	4	4	4			4			
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)										4		4	4	
4C	5108436	SPACER, 15/32"X15/16"X5/32" (7.1598)	4	4	4	4	4	4	4	4			4			
	103321	LOCKWASHER, 3/8" (12.9200)										4		4	4	
4C	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4			4			
		5.4140 - RETAINER, FAN SHAFT BEARING														
	9409060	BOLT, 1/2"-20 X 1 1/2" LOCK (12.9001)									1					
	5104317	WASHER (5.4235)									1					
		5.4150 - SEAL, FAN SHAFT														
	5103951	SEAL									1					
		5.4180 - CAP AND SPACER, FAN HUB														
4C	5102475	CAP, W/1/8" PIPE THREAD									1					
	5103676	SPACER, .56" THICK	2	2	2	1		3					3			
	5103671	SPACER, .80" THICK										1				

5.4000A FAN

PART		TYPES													
..FIG ..	NUMBER	NAME AND DESCRIPTION	1	1	1	1	1	1	1	1	1	1	1	1	1
			1	1	1	1	1	1	1	1	1	1	1	1	1
			8	8	8	8	8	8	9	9	9	9	9	2	2
			1	3	4	6	7	9	0	1	2	3	4	2	3
		5.4180 - CAP AND SPACER, FAN HUB (CONT'D)													
4B,C	5103718	SPACER, .80" THICK	1		1	2	1		2		1			1	1
	455322	FITTING LUBE RELIEF (12.9540)									1				
	179827	BOLT, 5/16"-18 X 2 1/4" (12.9001)		6											
	103320	LOCKWASHER, 5/16" (12.9200)		6											
		5.4290 - SCREW, FAN BRACKET ADJUSTING													
	5108434	BOLT, 5/16"-18X5"	1							1					
4C	5109642	BOLT, 5/16-18 X 7" ADJ.		1	1	1	1	1	1				1		
4C	120393	WASHER, 5/16 (12.9190)	1	1	1	1	1	1	1				1		

5 3 M P C E N G I N E S

[illegible]

	NPN	BLADE (CUSTOMER FURNISHED)
4A	5177871	BLADE, 28" -6 BLADE, SUCTION
4A	5173871	BLADE, 22" -6 BLADE, BLOWER
4A	5173872	BLADE, 22" -6 BLADE, SUCTION
4A	5100183	BLADE, 24" -6 BLADE, BLOWER
4A	5124701	BLADE, 24"-6 BLADE, SUCTION
4A	5119014	BLADE, 22"-5 BLADE, BLOWER
4A	5171229	BLADE, 26"-6 BLADE, SUCTION
4A	5106357	BLADE, 22"-6 BLADE, SUCTION
4A	186625	BOLT, 5/16"-18 X 7/8" (12.9001)
4A	186629	BOLT, 5/16"-18X1" (12.9001)
4A	186624	BOLT, 5/16"-18 X 1 1/4" (12.9001)
4A	186648	BOLT, 5/16"-18X1 7/8" (12.9001)
4A	179824	BOLT, 5/16"-18X1 3/4" (12.9001)
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)
4A	186643	BOLT, 5/16"-18 X 2 1/16" (12.9001)
4A	179829	BOLT, 5/16"-18X2 3/4" (12.9001)
4A	103320	LOCKWASHER, 5/16" (12.9200)

SEE ASSEMBLY BREAKDOWN PAGE AS
INDICATED BELOW.

5170456	* PULLEY ASSY. (PAGE A1)	
5103594	PULLEY ASSY. (PAGE E1)	
5103347	PULLEY ASSY. (PAGE E1)	
5170472	PULLEY ASSY. (PAGE B1)	
5122869	PULLEY ASSY. (PAGE A1)	
5132601	PULLEY ASSY. (PAGE A1)	
5122868	PULLEY ASSY. (PAGE A1)	
5126502	PULLEY ASSY. (PAGE A1)	
5103346	PULLEY ASSY. (PAGE E1)	
5103512	PULLEY ASSY. (PAGE E1)	
5140790	PULLEY ASSY. (PAGE B1)	
	* NOT SERVICED, FOR SERVICE USE	
	COMPONENTS.	

4C	5109640	SUPPORT
4A	5126868	SUPPORT
	5108945	SUPPORT
	9409079	BOLT, 3/8"-16 X 7/8" (12.9001)
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)
	9409215	BOLT, 3/8"-16 X 1 1/4" (12.9001)
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)
	186282	BOLT, 3/8"-16 X 3 1/4" (12.9001)
	272429	BOLT, 3/8"-16 X 4 1/8" (12.9001)
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)
	427567	BOLT 7/16"-14X1 3/4" (12.9001)
	5108436	WASHER, 15/32"x15/16"x5/32" (7.1598)
	103321	LOCKWASHER, 3/8" (12.9200)
	103322	LOCKWASHER, 7/16" (12.9200)

TYPES													
1 2 2 5	1 2 2 6	1 3 1 8	1 3 1 9	1 3 2 0	1 3 4 1	1 3 5 3	1 3 9 3	1 3 9 5	1 3 9 6	1 3 9 7	1 3 9 8		
1	1	1	1	1	1	1	1	1	1	1	1		
	4	4			4	4			4				
6				6 6	4	4			4				
6	4	4									6 6	6	
1	1		1	1	1	1	1		1				
		1						1					
1	1	1	1	1	1	1	1	1	1	1	2		
	2	2	2	2	2 3	2	2 2 1	2	2				
	3 2	3 2	3 2		2	3 2	2	3 2	3 2		4	4	
2 4 2				2 4 2						2 4 2			
4	7	7	7	4	4	7	4	7	7	4	8		
6				6						6			

5.4000A FAN

53 MPC ENGINES

APRIL, 1981 PAGE 57.1 OF 5.4000A
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5.4000A FAN

			TYPES											
..FIG	PART NUMBER	NAME AND DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
		5.4180 - CAP AND SPACER, FAN HUB	1	2	3	3	3	3	3	3	3	3	3	3
			2	2	1	1	2	4	5	9	9	9	9	9
			5	6	8	9	0	1	3	3	5	6	7	8
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
4B,C	5125022	SPACER (.88" THICK)			1									
4C	5103718	SPACER (.80" THICK)	2				1						2	
4C	5103676	SPACER (.56" THICK)					1							
		5.4325 - IDLER PULLEY, FAN BELT WITH ADJUSTING ARM												
4C	5109642	BOLT, 5/16"-18X7" ADJ.	1				1						1	
4C	120393	WASHER, 5/16" (12.9190)	1				1						1	
		5.4343 - ARM, FAN BELT IDLER PULLEY ADJUSTING												
	5136623	ARM											1	
	5137548	GUIDE											1	
	181350	BOLT, 5/16"-24 X 2 3/4" (12.9001)											1	
	187234	BOLT, 3/8"-24 X 2 7/8" (12.9001)											1	
	5137237	WASHER, 3/16" X 1 3/8" (5.4337)											1	
	103320	LOCKWASHER, 5/16" (12.9200)											1	
	103321	LOCKWASHER, 3/8" (12.9200)											1	
	114493	NUT, 5/16"-24 (12.9120)											1	
	103028	NUT, 3/8"-24 (12.9120)											1	
		5.4347 - SUPPORT ASSY., FAN BELT IDLER PULLEY												
	5137740	DEFLECTOR AND BUSHING ASSY.											1	
	5137609	SLEEVE											1	
	9409023	BOLT, 5/16"-24 X 1 3/4" (12.9001)											1	
	5171344	WASHER, 5/16" (2.8830)											1	
	103320	LOCKWASHER, 5/16" (12.9200)											1	
		5.4353 - SPRING, FAN BELT IDLER PULLEY SUPPORT SHAFT												
	5136654	SPRING											1	
	5137768	SPRING											1	
		5.4355 - BRACKET, FAN BELT IDLER PULLEY SPRING												
	5137040	BRACKET											1	
	427588	BOLT, 3/8"-16 X 2 1/2" (12.9001)											2	

5.4000A FAN

PART ..FIG .. NUMBER .. NAME AND DESCRIPTION ..			TYPES											
			1	1	1	1	1	1	1	1	1	1	1	1
			4	4	4	4	4	4	4	4	4	4	4	4
			0	0	0	0	0	0	1	1	1	2	2	2
			0	1	3	4	6	8	2	8	9	0	1	7
5.4010 - BLADE, FAN														
	NPN	BLADE (CUSTOMER FURNISHED)	1	1	1	1	1	1	1	1	1	1	1	1
4A	5162837	BLADE, 22"-5 BLADE, SUCTION			1		1							
4A	5124701	BLADE, 24"-6 BLADE, SUCTION							1					
4A	5177766	BLADE, 26"-6 BLADE, SUCTION											1	
4A	5106199	BLADE, 22"-5 BLADE, BLOWER												1
4A	5171228	BLADE, 26"-6 BLADE, SUCTION												1
4A	186629	BOLT, 5/16"-18X1" (12.9001)			4		4							1
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)						4						6
4A	179819	BOLT, 5/16"-18 X 1 1/8" (12.9001)												6
4A	179824	BOLT, 5/16"-18 X 1 3/4" (12.9001)											4	6
4A	103320	LOCKWASHER, 5/16" (12.9200)			4		4		4				4	6
5.4015 - PULLEY AND HUB ASSY., FAN														
SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.														
	5100984	+ PULLEY ASSY. (5103345)	1											
	5103345	PULLEY ASSY. (PAGE E1)		1										
	5170456	+ PULLEY ASSY. (PAGE A1)			1									
	5122868	PULLEY ASSY. (PAGE A1)				1								
	5170472	PULLEY ASSY. (PAGE B1)					1		1					
	5126502	PULLEY ASSY. (PAGE A1)						1			1			
	5122869	PULLEY ASSY. (PAGE A1)							1				1	
	5132801	PULLEY ASSY. (PAGE A1)								1				
	5103512	PULLEY ASSY. (PAGE E1)										1		
	5103347	PULLEY ASSY. (PAGE E1)												1
+ NOT SERVICED, USE 5116483 PULLEY, 905619 BEARING, 5140234 BRACKET.														
+ NOT SERVICED, USE PART NUMBER IN PARENTHESES.														
5.4025 - SUPPORT, FAN MOUNTING														
4A	5126868	SUPPORT	1	1	1		1	1	1	1	1	1	1	
	8921343	SUPPORT										2		
	5108945	SUPPORT											2	
4C	5109640	SUPPORT												1
4A,C	5108436	SPACER, 15/32" X 15/16" X 5/32" (7.1598)	4	4										4
	5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)			3	3	3	3	3	3	3	4	3	4
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)			2	2	2	2	2	2	2	2	2	
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)			3	3	3	3	3	3	3	4	3	4
	186282	BOLT, 3/8"-16 X 3 1/4" (12.9001)			2	2	2	2	2	2	2	2	2	
	272429	BOLT, 3/8"-16 X 4 1/8" (12.9001)										4		4
	450517	BOLT, 3/8"-16 X 4 3/4" (12.9001)	2	2										2
	427564	BOLT, 7/16"-14 X 1 3/8" (12.9001)	4	4										4
	427567	BOLT, 7/16"-14 X 1 3/4" (12.9001)	2	2										2
	103341	WASHER, 3/8" (12.9190)			3				3		3			
	103321	LOCKWASHER, 3/8" (12.9200)			7	7	7	7	7	7	7	8	7	8
	103322	LOCKWASHER, 7/16" (12.9200)	6	6										6

5.4000A FAN

PART			TYPES														
FIG	NUMBER	NAME AND DESCRIPTION	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
			0	0	0	0	0	0	1	1	1	2	2	2	2	2	2
			0	1	3	4	6	8									7
5.4090 - BRACKET, FAN SHAFT																	
4C	5109641	BRACKET	1	1													
	5134618	BRACKET															1
4C	179837	BOLT, 3/8"-18 X 3/4" (12.9001)	2	2													
4C	179856	BOLT, 7/16"-14 X 3/4" (12.9001)	2	2													
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)															2
4C	103321	LOCKWASHER, 3/8" (12.9200)	2	2													
4C	103322	LOCKWASHER, 7/16" (12.9200)	2	2													2
	103342	WASHER, 7/16" (12.9190)															2
5.4180 - CAP AND SPACER, FAN HUB																	
	5125022	CAP AND SPACER ASSY. (INCLUDES CAP)													1		
5.4290 - SCREW, FAN BRACKET ADJUSTING																	
	5108434	BOLT, 5/16"-18 X 5" SPL															1
4C	5109642	BOLT, 5/16"-18 X 7" SPL	1	1													
4C	120393	WASHER, 5/16" (12.9190)	1	1													

5.4000A FAN

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	1	4	4	4	4	4	4	4	4	4	4	4
			0	2	4	6	7	6	7	4	5	0	1	4
5.4010 - BLADE, FAN														
	NPN	BLADE (CUSTOMER FURNISHED)				1			1		1	1		
4A	5171228	BLADE, 26"-6 BLADE, SUCTION	1					1						
4A	5100183	BLADE, 24"-6 BLADE, SUCTION		1				1						
4A	5106199	BLADE, 24"-5 BLADE, SUCTION			1								1	1
4A	5171229	BLADE, 26"-6 BLADE, SUCTION					1							
4A	5145212	BLADE, 20"-6 BLADE, SUCTION								1				
4A	5177766	BLADE, 26"-6 BLADE, SUCTION											1	
4A	186270	BOLT, 5/16"-18 X 3 1/2" (12.9001)	6											
4A	179828	BOLT, 5/16"-18 X 2 1/2" (12.9001)			8								6	
4A	186625	BOLT, 5/16"-18 X 7/8" (12.9001)					6	6						4
4A	186629	BOLT, 5/16"-18 X 1" (12.9001)							6					
4A	186648	BOLT, 5/16"-18 X 1 7/8" (12.9001)										6		
4A	179827	BOLT, 5/16"-18 X 2 1/4" (12.9001)		6									6	
4A	103320	LOCKWASHER, 5/16" (12.9200)	6	6	6		6	6		6		6	6	4
5.4015 - PULLEY AND HUB ASSY. FAN														
SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.														
	5103345	PULLEY ASSY. (PAGE E1)	1								1			
	5103512	PULLEY ASSY. (PAGE E1)		1	1					1			1	1
	5170456	% PULLEY ASSY. (PAGE A1)				1								
	5103347	PULLEY ASSY. (PAGE E1)					1							
	5103352	PULLEY ASSY. (PAGE E1)						1						
	5103594	PULLEY ASSY. (PAGE E1)							1					
	5103349	PULLEY ASSY. (PAGE E1)										1		
	5149517	PULLEY ASSY. (PAGE E1)												1
% NOT SERVICED, USE COMPONENTS.														
5.4025 - SUPPORT, FAN MOUNTING														
4C	5109640	SUPPORT	1									1		
	5108945	SUPPORT		2	2			2		2			2	2
4A	5126868	SUPPORT				1								1
	5141945	SUPPORT					1		1		1			
4C	5108436	SPACER, 15/32" X 15/16" X 5/32" (7.1598)	4				4		4			4		
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)		4	4	3		4		4		4	4	3
	427567	BOLT, 7/16"-14 X 1 3/4" (12.9001)	2									2		
	272429	BOLT, 3/8"-16 X 4 1/8" (12.9001)		4	4			4	4				4	
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)				2								2
	186282	BOLT, 3/8"-16 X 3 1/4" (12.9001)				2								2
	179871	BOLT, 7/16"-14 X 3 1/4" (12.9001)					2		2		2			
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)		4		3		4		4			4	3
	427564	BOLT, 7/16"-14 X 1 3/8" (12.9200)	4		4		4			4		4		
	450517	BOLT, 3/8"-16 X 4 3/4" (12.9001)	2				2		2		2	2		
	103321	LOCKWASHER, 3/8" (12.9200)		8	8	7		8		8			8	7
	103322	LOCKWASHER, 7/16" (12.9200)	6				6		6		6	6		

5.4000A FAN

PART			TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	1	1	1	1	1	1	1	1	1	1	1	1	1
			4	4	4	4	4	4	4	4	4	4	4	4	4
			4	4	4	4	6	6	7	7	7	8	8	8	8
			0	2	4	6	7	6	7	4	5	0	1	4	6
5.4090 - BRACKET, FAN SHAFT															
4C	5109641	BRACKET	1									1			
	5134618	BRACKET				1		1		1		2			
	179856	BOLT, 7/16"-14 X 3/4" (12.9001)	2												
	179837	BOLT, 3/8"-16 X 3/4" (12.9001)	2												
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)				2		2		2					
	103321	LOCKWASHER, 3/8" (12.9200)	2												
	103322	LOCKWASHER, 7/16" (12.9200)	2			2		2		2		2			
	103341	WASHER, 3/8" (12.9190)				2									
	103342	WASHER, 7/16" (12.9190)						2		2					
5.4180 - CAP AND SPACER, FAN HUB															
4B,C	5103718	SPACER, .80" THICK	3	1	1			2						2	
4C	5103676	SPACER, .56" THICK		1	1										
5.4290 - SCREW, FAN BRACKET ADJUSTING															
4C	5109642	BOLT, 5/16"-18 X 7" SPL (12.9001)	1										1		
	5108434	BOLT, 5/16"-18 X 5" SPL (12.9001)				1		1		1		1			
	120393	WASHER, 5/16" (12.9190)	1			1		1		1		1			

5 3 M P C E N G I N E S

PART

. TYPES

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5.4000A FAN

PART			TYPES											
..FIG ..	NUMBER	NAME AND DESCRIPTION	1	1	1	1	1	1	1	1	1	1	1	1
			4	5	5	5	5	5	5	5	5	5	5	5
			9	0	0	0	0	0	0	0	0	0	0	0
			6	0	6	7	8	9	1	2	3	6	9	0
5.4180 - CAP AND SPACER, FAN HUB														
4B,C	5103718	SPACER, .80" THICK	2					2	1		1	1	1	
4B	5147472	SPACER, .32" THICK		3										
4B	5103676	SPACER, .56" THICK				3			1		1	2	1	1
5.4290 - SCREW, FAN BRACKET ADJUSTING														
4B	5134618	BRACKET						1						
4C	5109641	BRACKET							1		1	1		
4C	5108434	BOLT, 5/16"-18X5" SPL (12.9001)						1						
4A	193221	BOLT, 7/16"-14X1 1/4" (12.9001)						2						
4A	179837	BOLT, 3/8"-16X3/4" (12.9001)							2			2		
4A	179856	BOLT, 7/16"-14X3/4" (12.9001)							2		2	2		
4A	103342	WASHER, 7/16" (12.9190)						2						
4C	120393	WASHER, 5/16" (12.9190)							1		1	1		
4A	103322	LOCKWASHER, 7/16" (12.9200)						2	2		2	2		
4A	103321	LOCKWASHER, 3/8" (12.9200)							2			2		

5.4000A FAN

PART
FIG . . . NUMBER NAME AND DESCRIPTION

PART			TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	1 5 2 1	1 5 2 2	1 5 2 3	1 5 2 4	1 5 2 6	1 5 2 9	1 5 3 0	1 5 3 5	1 5 5 3	1 5 5 4	1 5 5 5	1 5 6 9	1 5 7 6	
5.4010 - BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED																
4A	5177871	BLADE, 28"-6 BLADE, SUCTION	1	1			1									
4A	5162837	BLADE, 22"-5 BLADE, SUCTION			1					1		1				
4A	5100183	BLADE, 24"-6 BLADE, BLOWER				1										
4A	5128508	BLADE, 24"-6 BLADE, SUCTION						1						1		
4A	5145212	BLADE, 20"-6 BLADE, BLOWER							1							
4A	5172003	BLADE, 26"-6 BLADE, BLOWER									1					
4A	5106199	BLADE, 22"-5 BLADE, BLOWER											1			
4A	5124701	BLADE, 24"-6 BLADE, SUCTION													1	
4A	179823	BOLT, 5/16"-18X1 5/8" (12.9001)	6	6												
4A	186625	BOLT, 5/16"X18X7/8 (12.9001)							4	4						
4A	186648	BOLT, 5/16"-18X1 7/8" (12.9001)										6	6			
4A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)			4											
4A	180082	BOLT, 5/16"-18X1 3/8" (12.9001)												6		
4A	179827	BOLT, 5/16"-18X2 1/4" (12.9001)				6										
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)					6	6							4	
4A	179824	BOLT, 5/16"-18X1 3/4" (12.9001)									4					
4A	103320	LOCKWASHER, 5/16" (12.9200)	6	6	4	6	6	6	4	4	4	6	6	6	4	
5.4015 - PULLEY AND HUB ASSY., FAN																
SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.																
5103346	PULLEY ASSY. (E1)		1													
5103350	PULLEY ASSY. (E1)			1												
5122869	PULLEY ASSY. (A1)				1						1					
5103512	PULLEY ASSY. (E1)					1		1				1	1			
5103346	PULLEY ASSY. (E1)						1									
5170456	# PULLEY ASSY. (A1)								1							
5122868	PULLEY ASSY. (A1)									1						
5103347	PULLEY ASSY. (E1)													1		
5132601	PULLEY ASSY. (A1)														1	
# NOT SERVICED, USE COMPONENTS. SEE ASSEMBLY BREAKDOWN.																
5.4025 - SUPPORT, FAN MOUNTING																
4A	5126868	SUPPORT				1			1	1	1				1	
	8921343	SUPPORT					2					2				
4C	5109640	SUPPORT	1	1			1							1		
	5108945	SUPPORT														
4A,B	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)				3	4		2	3	3	3	4	2	3	
4A	9409079	BOLT, 3/8"-16X7/8" (12.9001)							4						2	
4A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				2				2	2	2			2	
4A	9409215	BOLT, 3/8"-16X1 1/4" (12.9001)													1	
4A	186282	BOLT, 3/8"-16X3 1/4" (12.9001)				2				2	2	2			2	
4A,B	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				3	4		4	3	2	3	4	4		
4B	272429	BOLT, 3/8"-16X4 1/8" (12.9001)					4		4				4	4		
4C	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2	2				2							2	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4	4												
4C	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	2	2				2						2		
4C	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)	4	4												
4B,C	103322	LOCKWASHER, 7/16" (12.9200)	6	6			2							2		
4A,B	103321	LOCKWASHER, 3/8" (12.9200)			7	8		8	7	7	7	8	8		4	

5.4000A FAN

PART			TYPES												
..FIG	NUMBER	NAME AND DESCRIPTION	1	5	1	1	1	1	1	1	1	1	1	1	1
			2	2	5	5	5	5	5	5	5	5	5	5	5
			1	2	2	2	2	2	3	3	5	5	5	6	7
					3	4	6	9	0	5	3	4	5	9	6
5.4100 - SHAFT, FAN															
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)					4							4	
4C	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)					4							4	
4C	103322	LOCKWASHER, 7/16" (12.9200)					4							4	
5.4180 - CAP AND SPACER, FAN HUB															
4C	5103678	SPACER, .56" THK.	1			1		2						1	
4B	5131536	SPACER AND CAP ASSY. (INCLUDES CAP)			1										
4B,C	5103718	SPACER, .80" THK.		1		1	2					1	1		
4B	5125022	SPACER AND CAP ASM (INCLUDES CAP)								1					2
4B	5125021	CAP (SPACER)			1					1					2
5.4290 - SCREW, FAN BRACKET ADJUSTING															
4C	5109641	BRACKET	1	1			1								
4C	5134618	BRACKET												1	
	5108434	BOLT, 5/16"-18X5"												1	
4C	179856	BOLT, 7/16"-14X3/4" (12.9001)	2	2			2								
4C	193221	BOLT, 7/16"-14X1 1/4" (12.9001)												2	
4C	179837	BOLT, 3/8"-16X3/4" (12.9001)	2	2			2								
4C	5109642	BOLT, 5/16"-18X7"					1								
4C	103342	WASHER, 7/16" (12.9190)												2	
	120393	WASHER, 5/16" (12.9190)					1								
4C	103321	LOCKWASHER, 3/8" (12.9200)	2	2			2								
4C	103322	LOCKWASHER, 7/16" (12.9200)	2	2			2							2	

5.4000A FAN

PART
FIG . . . NUMBER NAME AND DESCRIPTION

			TYPES											
			1 5 8 0	1 5 8 4	1 5 8 5	1 5 8 7	1 5 9 3	1 5 9 4	1 5 9 5	1 5 9 8	1 5 9 9	1 6 0 1	1 6 0 2	1 6 0 3
5.4010 - BLADE, FAN														
	NPN	BLADE, CUSTOMER FURNISHED			1				1					
4A	5175738	BLADE, 28"-6 BLADE, BLOWER	1											
4A	5171228	BLADE, 26"-6 BLADE, SUCTION		1										
4A	5100183	BLADE, 24"-6 BLADE, BLOWER				1								
4A	5173871	BLADE, 22"-6 BLADE, BLOWER					1			1				
4A	5162837	BLADE, 22"-5 BLADE, SUCTION						1			1			
4A	5172003	BLADE, 26"-6 BLADE, BLOWER										1		
4A	5177871	BLADE, 28"-6 BLADE, SUCTION											1	
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)								4				
4A	186629	BOLT, 5/16"-18X1" (12.9001)										6		
4A	180082	BOLT, 5/16"-18X1 3/8" (12.9001)			6									
4A	179822	BOLT, 5/16"-18X1 1/2" (12.9001)		6					6					6
4A	179823	BOLT, 5/16"-18X1 5/8" (12.9001)					6							
4A	186648	BOLT, 5/16"-18X1 7/8" (12.9001)				6								
4A	179827	BOLT, 5/16"-18X2 1/4" (12.9001)									6			
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)											6	
4A	179829	BOLT, 5/16"-18X2 3/4" (12.9001)						6						
4A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	6											
4A	103320	LOCKWASHER, 5/16" (12.9200)	6	6	6	6	6	6	6	4	6	6	6	6
5.4015 - PULLEY AND HUB ASSY. FAN														
SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.														
	5103345	PULLEY ASSY. (PAGE E1)	1		1							1		
	5103347	PULLEY ASSY. (PAGE E1)		1			1							
	5103512	PULLEY ASSY. (PAGE E1)				1								
	5147085	PULLEY ASSY. (PAGE D1)						1			1			
	8921168	PULLEY ASSY. (PAGE E1)							1					1
	5136886	PULLEY ASSY. (PAGE C1)								1				
	5103594	PULLEY ASSY. (PAGE E1)											1	
5.4025 - SUPPORT, FAN MOUNTING														
4C	5109640	SUPPORT	1		1		1					1		
	5141945	SUPPORT		1									1	
	5108945	SUPPORT				2			2					2
4A	5128868	SUPPORT						1		1				
	5164294	SPACER, 7/8"X13/32"X1/8" (7.1581)				4		3	4	3	3			4
4A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						2		2	2			
4A	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					4	3	4	3	3			4
4A	186282	BOLT, 3/8"-16X3 1/4" (12.9001)						2		2	2			
4A	272429	BOLT, 3/8"-16X4 1/8" (12.9001)				4			4					4
4C	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2	2	2		2					2	2	
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4	4	4		4					4	4	
4C	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	2		2		2					2		
4C	179871	BOLT, 7/16"-14X3 1/4" (12.9001)		2									2	
4C	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)	4	4	4		4					4	4	
4A	103321	LOCKWASHER, 3/8" (12.9200)				8		7	8	7	7			8
4C	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6		6					4	6	
5.4180 - CAP AND SPACER, FAN HUB														
4B,C	5103718	SPACER, .80" THK.	3		1	1		1			1		2	
4C	5103676	SPACER, .56" THK.		1			1	2	1		1			1

5.4000A FAN

PART			TYPES											
..FIG	NUMBER	NAME AND DESCRIPTION	1	1	1	1	1	1	1	1	1	1	1	1
			5	5	5	5	5	5	5	5	6	6	6	
			8	8	8	8	9	9	9	9	0	0	0	
			0	4	5	7	3	4	5	8	9	1	2	3
5.4290 - SCREW, FAN BRACKET ADJUSTING														
4C	5109641	BRACKET	1				1				1			
4C	5134618	BRACKET		1	1							1		
	5108434	BOLT, 5/16"-18X5"		1	1							1		
4C	5109642	BOLT, 5/16"-18X7"	1				1				1			
4C	179837	BOLT, 3/8"-16X3/4" (12.9001)	2				2				2			
4C	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		2	2							2		
4C	179856	BOLT, 7/16"-14X3/4" (12.9001)	2				2				2		2	
	120393	WASHER, 5/16" (12.9190)	1	1			1				1	1		
4C	103342	WASHER, 7/16" (12.9190)		2	2							2		
4C	103321	LOCKWASHER, 3/8" (12.9200)	2				2				2			
4C	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2		2				2	2		
5.4325 - IDLER PULLEY, FAN BELT														
	5137548	GUIDE								1				
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)								1				
	103320	LOCKWASHER, 5/16" (12.9200)								1				
	114493	NUT, 5/16"-24 (12.9120)								1				
5.4337 - BRACKET, FAN BELT IDLER PULLEY														
	5136445	BRACKET								1				
	5178895	SPACER, .40"X7/8"X.40" (7.1585)								2				
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)								1				
	455537	BOLT, 3/8"-16X4" (12.9001)								2				
	114493	NUT, 5/16"-24 (12.9120)								1				
5.4343 - ARM, FAN BELT IDLER PULLEY ADJUSTING														
	5136623	ARM ASSY. (INCLUDES ARM, PULLEY, SHAFT AND BUSHING, NOT SOLD SEPARATELY)								1				
5.4347 - SUPPORT ASSY., FAN BELT IDLER PULLEY														
	5136653	HUB								1				
	9418964	BOLT, 3/8"-16X5" (12.9001)								1				
	5139928	WASHER, .10"X1 3/8" (5.4337)								1				
5.4353 - SPRING, FAN BELT IDLER PULLEY SUPPORT SHAFT														
	5136654	SPRING								1				
	5136439	BRACKET, IDLER PULLEY SPRING								1				

53 MPC ENGINES

. TYPES

1604	1	6	6	6	1	2	4	4	4	8
1610	1	1	1	6	1	2	4	4	4	8
1611		1	6	6	1	2	4	4	4	8
1613	1				1	1	6		2424626	
1614		1	4	4	1	1	3	232		7
1615		1	6	6	1	2	4	4	4	8
1617		1	6	6	1		24	4	4	8
1618	1			66	1	2	4	4	4	8
1625		1		6	1	2	4	4	4	8
1626			6	6	1		24	4	4	8
1631		1	6	6	1	2	4	4	4	8
1632			4	4	1	1	3	2122		4

4A	5108946	SUPPORT	
4C	5109640	SUPPORT	
4A	5126868	SUPPORT	
4A	8921343	SUPPORT	
	5164294	SPACER, 7/8"X13/32"X1/8" (7.1581)	
4C	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	
4A	9409079	BOLT, 3/8"-16X7/8" (12.9001)	
4A	9409215	BOLT, 3/8"-16X1 1/4" (12.9001)	
4A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	
4A	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	
4A	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	
4A	272429	BOLT, 3/8"-16X4 1/8" (12.9001)	
4C	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	
4C	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	
4C	5108436	WASHER, 15/32" (7.1598)	
4C	103320	LOCKWASHER, 5/16" (12.9200)	
4A	103321	LOCKWASHER, 3/8" (12.9200)	
4C	103322	LOCKWASHER, 7/16" (12.9200)	

5.4000A FAN

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	1	1	1	1	1	1	1	1	1	1	1
			6	6	6	6	6	6	6	6	6	6	6
			0	1	1	1	1	1	1	2	2	3	3
			4	0	1	3	4	5	7	8	5	6	2
5.4180 - CAP AND SPACER, FAN HUB													
	5125022	CAP AND SPACER ASSY., .88" THK. (INCLUDES CAP)											1
4B	5103718	SPACER, .80" THK.	1			3			3			1	
4C	5103676	SPACER, .56" THK.		1	1			1		2		2	
	5125021	CAP (SPACER)											1
5.4290 - SCREW, FAN BRACKET ADJUSTING													
4C	5109641	BRACKET				1							
4C	5109642	BOLT, 5/16"-18X7" SPL.				1							
4C	179837	BOLT, 3/8"-16X3/4" (12.9001)				2							
4C	179856	BOLT, 7/16"-14X3/4" (12.9001)				2							
4C	120393	WASHER, 5/16" (12.9190)				1							
4C	103322	LOCKWASHER, 7/16" (12.9200)				2							

5.4000A FAN

PART			TYPES													
..FIG	..NUMBER	NAME AND DESCRIPTION	1	1	1	1	1	1	1	1	1	1	1	1	1	1
			6	6	6	6	6	6	6	6	6	6	6	6	6	6
			3	3	3	3	3	3	3	3	3	3	3	3	3	3
			3	4	5	7	8	9	0							
5.4010 - BLADE, FAN																
	NPN	BLADE, CUSTOMER FURNISHED			1											
4A	5177766	BLADE, 26"-6 BLADE, SUCTION	1				1									
4A	5100183	BLADE, 24"-6 BLADE, BLOWER		1												
4A	5172003	BLADE, 26"-6 BLADE, BLOWER				1										
4A	5106199	BLADE, 22"-5 BLADE, BLOWER						1								
4A	5145773	BLADE, 18"-6 BLADE, SUCTION							1						1	
4A	186629	BOLT, 5/16"-18X1" (12.9001)												6		
4A	186643	BOLT, 5/16"-18X2 1/16" (12.9001)	4													
4A	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		6					6							
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)					6									
4A	103320	LOCKWASHER, 5/16" (12.9200)	4	6		6			6							
5.4015 - PULLEY AND HUB ASSY., FAN																
SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.																
	5122869	PULLEY ASSY. (PAGE A1)	1													
	5103512	PULLEY ASSY. (PAGE E1)		1	1				1		1					
	5103350	PULLEY ASSY. (PAGE E1)				1										
	8921168	PULLEY ASSY. (PAGE E1)						1								
5.4025 - SUPPORT, FAN MOUNTING																
4A	5126868	SUPPORT	1													
	8925876	SUPPORT		2	2				2		2					
4C	5109640	SUPPORT				1										
	5108945	SUPPORT							2							
	179826	BOLT, 5/16"-18X2" (12.9001)							6							
	5109642	BOLT, 5/16"-18X7" (5.4290)				1										
4A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2													
4A	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3	4	4				4	4	4					
4A	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2													
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)		4					4		4					
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)								4						
4C	450617	BOLT, 3/8"-16X4 3/4" (12.9001)				2										
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)				4										
4C	427567	BOLT, 7/16"-14X1 3/4" (12.9001)				2										
	5164294	SPACER, 7/8"X13/32"X1/8" (7.1581)	3	4	4				4	4	4					
4C	120393	WASHER, 5/16" (12.9190)				1										
4C	5108436	WASHER, 15/32" (7.1598)				4										
	103320	LOCKWASHER, 5/16" (12.9200)							6							
	103321	LOCKWASHER, 3/8" (12.9200)	7	8	4				8	8	8					
4A	103322	LOCKWASHER, 7/16" (12.9200)				6										

5.4000A FAN

PART		TYPES													
..FIG ..	NUMBER	NAME AND DESCRIPTION	1	1	1	1	1	1	1	1	1	1	1	1	1
			6	6	6	6	6	6	6	6	6	6	6	6	6
			3	3	3	3	3	3	3	3	3	3	3	3	3
			3	4	5	7	8	9	0						
		5.4180 - CAP AND SPACER, FAN HUB													
	5147472	SPACER, .32" THK.	1												
	5103676	SPACER, .56" THK.		1			2	1							
	5103718	SPACER, .80" THK.		1		2		1							
		5.4290 - SCREW, FAN BRACKET ADJUSTING													
4C	5109641	BRACKET					1								
4C	179837	BOLT, 3/8"-16X3/4" (12.9001)					2								
4C	179856	BOLT, 7/16"-14X3/4" (12.9001)					2								
4C	103321	LOCKWASHER, 3/8" (12.9200)					2								
4C	103322	LOCKWASHER, 7/16" (12.9200)					2								

5.4000A FAN

PART		COLUMN													
FIG	NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	N
		5.4015 - PULLEY AND HUB ASSY., FAN													
	5122868	PULLEY ASSY.	1												
	5122869	PULLEY ASSY.		1											
	5122870	PULLEY ASSY.			1										
	5126241	# PULLEY ASSY.				1									
	5126242	# PULLEY ASSY.					1								
	5126502	PULLEY ASSY.						1							
	5132601	PULLEY ASSY.							1						
	5170456	# PULLEY ASSY.								1					
	5148441	PULLEY ASSY.									1				
		# NOT SERVICED. SHOWN FOR COMPONENT REFERENCE ONLY.													
		5.4090 - BRACKET, FAN SHAFT													
4A	5116477	BRACKET	1	1	1										
4A	5126203	# BRACKET				1	1								
4A	5126501	BRACKET						1			1				
4A	5133063	BRACKET							1						
4A	5140234	BRACKET								1					
		# NOT SERVICED. SHOWN FOR COMPONENT REFERENCE ONLY. REFER TO 5.4015 IN TYPE FOR ASSY. REPLACEMENT.									1				
		5.4100 - SHAFT, FAN													
		A SHAFT ASSY. INCLUDES BEARINGS.													
4A	905619	* SHAFT ASSY.	1	1	1	1	1	1	1	1					
4A	908141	SHAFT ASSY.										1			
		* NOT SERVICED. FOR SERVICE USE 8922500 BEARING ASSY.													
		5.4235 - HUB, FAN													
4A	5148420	PULLEY, 4.30" DIA. (2 GROOVES)	1				1	1			1				
4A	5116483	PULLEY, 5.38" DIA. (2 GROOVES)		1		1			1	1					
4A	5119191	PULLEY, 6.34" DIA. (2 GROOVES)			1										

5.4000A FAN

PART
FIG . . . NUMBER NAME AND DESCRIPTION

COLUMN

			A	B	C	D	E	F	G	H	I	J	K	L	M	N
5.4015 - PULLEY AND HUB ASSY., FAN																
	5170472	PULLEY ASSY.	1													
	5123279	* PULLEY ASSY.		1												
	5123335	* PULLEY ASSY.			1											
	5125116	* PULLEY ASSY.				1										
	5129637	* PULLEY ASSY.					1									
	5137478	* PULLEY ASSY.						1								
	5134458	PULLEY ASSY.							1							
	5140790	PULLEY ASSY.								1						
		* NOT SERVICED, SHOWN FOR COMPONENT REFERENCE ONLY.														
5.4090 - BRACKET, FAN SHAFT																
4A	5140234	BRACKET	1													
4A	5123197	* BRACKET		1	1	1	1									
4A	5126501	BRACKET						1								
4A	5134503	BRACKET							1							
4A	5140845	BRACKET								1						
		* OBSOLETE.														
5.4100 - SHAFT, FAN																
		A SHAFT ASSY. INCLUDES BEARING.														
4A	905619	% SHAFT ASSY.	1					1	1	1						
4A	954604	SHAFT ASSY.		1	1	1	1									
		% NOT SERVICED, FOR SERVICE USE 8922500 BEARING ASSY.														
5.4235 - PULLEY, FAN																
4A	5112152	+ PULLEY, 33.16" DIA. (2 GROOVES)					1									
4A	5123552	PULLEY, 4.30" DIA. (2 GROOVES)			1											
4A	5121226	+ PULLEY, 4.40" DIA. (1 GROOVE)		1												
4A	5125114	+ PULLEY, 4.40" DIA. (2 GROOVES)				1										
4A	5148420	PULLEY, 4.30" DIA. (2 GROOVES)	1							1						
4A	5137517	PULLEY, 4.30" DIA. (2 GROOVES)						1								
4A	5134230	PULLEY, 6.34" DIA. (2 GROOVES)							1							
		+ OBSOLETE.														

5.4000A FAN

PART FIG . . . NUMBER NAME AND DESCRIPTION			COLUMN												
			A	B	C	D	E	F	G	H	I	J	K	L	M
		5.4015 - PULLEY AND HUB ASSY., FAN													
		5131207 * PULLEY ASSY.	1												
		5131208 * PULLEY ASSY.		1											
		5131209 * PULLEY ASSY.			1										
		5131210 * PULLEY ASSY.				1									
		5131211 * PULLEY ASSY.					1								
		5132421 * PULLEY ASSY.						1							
		5162786 * PULLEY ASSY.							1						
		5136886 * PULLEY ASSY.								1					
		5139641 * PULLEY ASSY.									1				
		* NOT SERVICED, SHOWN FOR COMPONENT REFERENCE ONLY.													
		5.4090 - BRACKET, FAN SHAFT													
4C		5196863 * BRACKET (INCLUDES SHAFT & RETAINER						1							
		5100201 @ BRACKET (W/INTEGRAL SHAFT) (5.4100)	1	1	1	1	1				1				
4A		5127071 * BRACKET							1						
4A		5116477 BRACKET								1					
		186725 BOLT, 1/2"-13X1 1/2" (12.9001)						2							
		103343 WASHER, 1/2" (12.9190)						2							
		103323 LOCKWASHER, 1/2" (12.9200)						2							
		* OBSOLETE													
		@ NOT SERVICED, REFER TO 5.4015 IN TYPE FOR ASSY. REPLACEMENT													
		5.4100 - SHAFT, FAN													
4B		5162783 * SHAFT							1						
4A		905619 @ SHAFT (INCLUDES BEARING)								1					
		907278 BEARING (INNER)						1							
		908002 BEARING (OUTER)						1							
		103385 PIN, 1/8"X1 1/4" COTTER (12.9250)						1	1						
		142534 * PIN, 5/16"X1 3/4" GROOVE (12.9270)							1						
		5130823 * NUT, 1/2"-20 SLOTTED							1						
		122797 NUT, 5/8"-18 SLOTTED (12.9130)						1							
		* OBSOLETE													
		@ NOT SERVICED, FOR SERVICE USE 8922500 BEARING ASSY.													
		5.4110 - BEARING, FAN SHAFT													
4C		9415132 BEARING ASSY. (FRONT)	1	1	1	1	1					1			
4C		7450630 BEARING (REAR)	1	1	1	1	1					1			
4C		7451373 * BEARING (REAR)							1						
4C		7451077 * BEARING (FRONT)							1						
		5131095 SHIM (.015")	1	1	1	1	1					1			
		5133467 * SHIM (.005")							AR						
		5133466 * SHIM (.010")							AR						

5.4000A FAN

PART
FIG . . . NUMBER NAME AND DESCRIPTION

		COLUMN													
		A	B	C	D	E	F	G	H	I	J	K	L	M	N
5.4110 - BEARING, FAN SHAFT (CONT'D)															
5131124	SHIM (.015")	AR	AR	AR	AR	AR				AR					
5131205	SHIM (.020")	AR	AR	AR	AR	AR				AR					
5131206	SHIM (.025")	AR	AR	AR	AR	AR				AR					
	* OBSOLETE														
5.4140 - RETAINER, FAN SHAFT BEARING															
5130822	WASHER, 33/64" X 1 1/16" X 1/8"							1							
5131123	WASHER, 33/64" X 1 1/2" X .32"	1	1	1	1	1				1					
9409060	BOLT, 1/2"-20X1 1/2" LOCK (12.9001)	1	1	1	1	1				1					
274746	RING, LOCK (5.4235)							1							
5188194	RING, SNAP (1.350" I.D.)						1								
5.4150 - SEAL, FAN SHAFT															
4C 5108219	SEAL	1	1	1	1					1					
4C 5100408	SEAL					1									
4C 5127119	* SEAL							1							
	* OBSOLETE														
5.4170 - SPACER, FAN SHAFT BEARING															
5131122	SPACER	1	1	1	1	1				1					
5133370	* SPACER							2							
	* OBSOLETE														
5.4180 - CAP AND SPACER, FAN HUB															
5144798	CAP (PULLEY)	1			1	1									
5107293	CAP (PULLEY)		1	1			1								
5103882	CAP (PULLEY)							1							
5.4235 - PULLEY, FAN															
4C 5130029	@ PULLEY, 4.90" DIA. (2 GROOVES)	1													
4C 5127042	* PULLEY, 5.38" DIA. (2 GROOVES)							1							
4C 5136620	PULLEY, 5.38" DIA. (2 GROOVES)								1						
4C 5109639	PULLEY, 5.68" DIA. (2 GROOVES)					1				1					
4C 5100208	= PULLEY, 6.25" DIA. (2 GROOVES)		1												
4C 5100209	# PULLEY, 7.50" DIA. (2 GROOVES)			1											
4C 5108233	? PULLEY (HUB) 7.50" DIA. (3 GROOVES)						1								
4C 5139738	@ PULLEY, 6.25" DIA. (POLY. V GROOVES)									1					

DETROIT DIESEL

53 MPC ENGINES

5.4000A FAN

PART
 .FIG . . . NUMBER NAME AND DESCRIPTION

PART			COLUMN													
.FIG ... NUMBER NAME AND DESCRIPTION			A	B	C	D	E	F	G	H	I	J	K	L	M	N
5.4235 - PULLEY, FAN (CONT'D)																
4C	5100210	@ PULLEY, 9.75" DIA. (2 GROOVES) = NOT SERVICED, USE (1) EACH 5101000 PULLEY, 5100916 CAP, 455322 FITTING AND 9411010 FITTING. # NOT SERVICED, USE (1) EACH 5100919 PULLEY, 5100915 CAP, 455322 FITTING AND 9411010 FITTING. * OBSOLETE @ NOT SERVICED, REFER TO 5.4015 IN TYPE FOR ASSY. REPLACEMENT. ? NOT SERVICED, USE 5103967.				1										

5 3 M P C E N G I N E S

PART

PART		
FIG	NUMBER	NAME AND DESCRIPTION

. COLUMN

5145534	* PULLEY ASSY.
5145535	* PULLEY ASSY.
5147085	PULLEY ASSY.
5147082	PULLEY ASSY.
5147084	* PULLEY ASSY.
5100984	* PULLEY ASSY.
5100985	* PULLEY ASSY.
5147083	PULLEY ASSY.
5100988	* PULLEY ASSY.
5105127	* PULLEY ASSY.

5.4090 - BRACKET, FAN SHAFT

5103381	BRACKET
5146864	BRACKET
5146867	+ BRACKET
5100201	* BRACKET (INCLUDES INTERGAL SHAFT) (5.4100)
5146865	BRACKET
	* NOT SERVICED, REFER TO 5.4015 IN TYPE FOR ASSY. REPLACEMENT.
	+ OBSOLETE.

5.4110 - BEARING, FAN SHAFT

4C	7450630	BEARING	
4C	9415132	BEARING ASSY.	
4C	5131095	RETAINER, GREASE	
	5131124	SHIM (.15")	
	5131205	SHIM (.20")	
	5131206	SHIM (.25")	

5.4140 - RETAINER, FAN SHAFT BEARING

5131122 SPACER, BEARING (5.4170)
5131123 WASHER, 33/64"X1 1/2"X.32"
9409060 BOLT, 1/2"-20X1 1/2" LOCK (12.9001)

5.4150 - SEAL, FAN SHAFT

4C 5108219 SEAL

4C 5100408 SEAL

B 3 M P C E N G I N E S

.COLUMN

[illegible]

5.4000A FAN

		COLUMN													
FIG	PART NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M
		5.4015 - PULLEY AND HUB ASSY., FAN													
	5103345	PULLEY ASSY.	1												
	5103347	PULLEY ASSY.		1											
	5103418	PULLEY ASSY.			1										
	5103512	PULLEY ASSY.				1									
	5103594	PULLEY ASSY.					1								
	5103346	PULLEY ASSY.						1							
	5103349	PULLEY ASSY.							1						
	5103352	PULLEY ASSY.								1					
	5149517	PULLEY ASSY.									1				
	5103350	PULLEY ASSY.										1			
	8921168	PULLEY ASSY.											1		
	5104361	PULLEY ASSY.												1	
		5.4090 - BRACKET, FAN SHAFT													
	5103370	+ BRACKET	1	1	1		1	1	1			1			
	5103381	BRACKET				1				1			1		
	5140845	BRACKET									1				
		+ NOT SERVICED, FOR SERVICE USE 5102381 AND 7455596.													
		5.4100 - SHAFT, FAN													
	905619	+ SHAFT ASSY.									1				
	5102381	SHAFT										1			
	5100933	SHAFT												1	
		+ NOT SERVICED, FOR SERVICE USE 8922500 BEARING ASSY.													
		5.4110 - BEARING, FAN SHAFT													
	7450630	BEARING					1			1			1		
	9415132	BEARING ASSY.				1				1			1		
	7455596	BEARING	1	1	1		1	1	1			1		1	
	903206	BEARING	1	1	1		1	1	1			1		1	
	5131095	RETAINER, GREASE				1				1			1		
	5131124	SHIM (.15")				AR				AR			AR		
	5131205	SHIM (.20")				AR				AR			AR		
	5131206	SHIM (.25")				AR				AR			AR		
		5.4140 - RETAINER, FAN SHAFT BEARING													
	5131122	SPACER, BEARING (5.4170)				1				1			1		
	5104317	WASHER, 2.22" O.D. (5.4235)	1	1	1		1	1	1			1		1	
	5131123	WASHER, 33/64"X1 1/2"X.32"				1				1			1		
	9422755	RING, BEVELED SNAP	1	1	1		1	1	1			1		1	
	9409060	BOLT, 1/2"-20X1 1/2" LOCK (12.9001)	1	1	1	1	1	1	1	1		1	1	1	
		5.4150 - SEAL, FAN SHAFT													
	5100408	SEAL (FELT)				1				1			1		
	5103951	SEAL	1	1	1		1	1	1			1		1	

5.4000A FAN

PART		COLUMN														
FIG	NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N
5.4180 - CAP AND SPACER, FAN HUB																
	5100890	CAP (PULLEY)	1	1	1		1	1	1			1		1		
	5107293	CAP (PULLEY)				1										
	5144798	CAP				1				1						
	5100915	CAP (W/1/8" PIPE THREAD)											1			
	5100914	CAP (DUST)													1	
	455322	FITTING, LUBE RELIEF (12.9540)	1	1	1		1	1	1			1	1	1		
5.4235 - HUB, FAN																
4C	5103371	PULLEY, 6.25" DIA. (2 GROOVES)	1													
4C	5103373	PULLEY, 4.90" DIA. (2 GROOVES)		1												
4C	5103456	PULLEY, 6.25" DIA. (POLY. V GROOVES)			1											
4C	5109639	PULLEY, 5.68" DIA. (2 GROOVES)				1										
4C	5104329	PULLEY, 7.50" DIA. (3 GROOVES)					1									
4C	5103372	PULLEY, 7.50" DIA. (2 GROOVES)						1								
4C	5103374	PULLEY, 9.75" DIA. (2 GROOVES)							1							
4C	5145376	PULLEY, 4.30" DIA. (2 GROOVES)								1						
4C	5116483	PULLEY, 5.38" DIA. (2 GROOVES)									1					
4C	5103375	PULLEY, 5.38" DIA. (2 GROOVES)										1				
4C	5101000	PULLEY, 6.25" DIA. (2 GROOVES)											1			
4C	5104328	PULLEY, 6.25" DIA (3 GROOVES)													1	
4C	191758	FITTING, 1/8" LUBE (12.9540)	1	1	1		1	1	1			1	1	1		

5.4000B FAN SHROUD

PART		TYPES													
..FIG ..	NUMBER	NAME AND DESCRIPTION	5 3	5 9	6 0	6 6	7 9								
		5.4560 - SHROUD, FAN													
	5108922	SHROUD ASSY.	1												
	5140955	SHROUD ASSY.				1									
		5.4580 - GUARD, FAN													
	5198100	GUARD		1											
	5198101	GUARD			1										
	5109463	GUARD ASSY.	1			1	1								
	443603	BOLT, 1/4"-20X3/4" (12.9001)	6			6	6								
	179816	BOLT, 5/16"-18X3/4" (12.9001)	2				2								
	186625	BOLT, 5/16"-18X7/8" (12.9001)					2								
	120392	WASHER, 9/32" (12.9190)	6				6	6							
	120393	WASHER, 11/32" (12.9190)	4				2	4							
	103319	LOCKWASHER, 1/4" (12.9200)	6	4	4		6	6							
	103320	LOCKWASHER, 5/16" (12.9200)	2				2	2							
	5170058	NUT, 1/4" SPEED	6				6	6							
	120375	NUT, 1/4"-20 (12.9120)		4	4										

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART		NAME AND DESCRIPTION	TYPES											
FIG	NUMBER		2 9 1	2 9 3	2 9 4	2 9 5	2 9 9	3 0 0	3 0 1	3 0 3	3 0 4	3 0 5	3 1 4	3 1 6
5.5001 - TANK, EXPANSION														
6A,B	5125027	TANK, 2,3,4,6V53	1	1	1	1	1	1	1				1	
6C	5126347	TANK, 2-53												
	113175	PLUG, 1/8" PIPE BRASS (12.9550)	2	2	2	2	2	2	2		1	1	1	
	112304	PLUG, 3/8" PIPE BRASS (12.9550)									1	1		
	5115214	PLUG, 1/2" PIPE (12.9550)	1	1	1	1	1	1	1				1	
6C	5111798	PLUG, 1" PIPE (12.9550)									1	1		
	5127034	PLUG, 1 1/8" DIA. CUP											1	
	5109157	PLUG, 1 1/4" DIA. CUP	1	1	1	1	1	1	1				1	
6C	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)									4	4	4	
	5150023	COVER (HEAT EXCHANGER WATER HOLE) (1.1060)						1	1					
	5118357	GASKET (HEAT EXCHANGER WATER HOLE COVER) (1.1070)						1	1					
	186618	BOLT, 5/16"-18X5/8" (12.9001)						2	2					
	103320	LOCKWASHER, 5/16" (12.9200)						2	2					
5.5003 - CORE, HEAT EXCHANGER														
6A,B	8509553	CORE, 3,4,6V53	1	1		1	1	1		1			1	
6C	8529617	CORE ASSY., 2-53 (INCLUDES ELECTRODE)									1	1		
5.5010 - ELECTRODE, HEAT EXCHANGER														
6A,B	8515850	ELECTRODE ASSY., 3, 4, 6V53 (INCLUDES 3 3/8" ELECTRODE)	1	1		1	1	1		1			1	
6A,B	8515851	ELECTRODE, 3, 4, 6V53 (3 3/8" L)	1	1		1	1	1		1			1	
6A,B	8517473	ELECTRODE ASSY., 2, 3, 4-53 (INCLUDES 1 1/4" ELECTRODE)	1	1		1	1				1	1	1	
6A,B	8517474	ELECTRODE, 2, 3, 4-53 (1 1/4" L)	1	1		1	1				1	1	1	
5.5025 - RETAINER, HEAT EXCHANGER SEAL														
6A,B	5167766	RETAINER, 3,4,6V53	1	1		1	1	1		1			1	
5.5026 - SEAL, HEAT EXCHANGER														
6A,B	5167746	SEAL, 3,4,6V53	2	2		2	2	2		2			2	
5.5027 - GLAND, HEAT EXCHANGER SEAL RETAINER														
6A,B	5167745	GLAND, 3,4,6V53	1	1		1	1	1		1			1	

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	2 9 1	2 9 3	2 9 4	2 9 5	2 9 9	3 0 0	3 0 1	3 0 3	3 0 4	3 0 5	3 1 4	3 1 8
5.5030 - COVER, HEAT EXCHANGER														
6A,B	5146276	COVER, 3,4,6V53 (INLET)	1	1		1	1	1		1				1
6A,B	5167741	COVER, 3,4,6V53 (OUTLET)	1	1		1	1	1		1				1
6A,B	5186976	COVER, 4,6V53 (BLANK)			1				1					
6A,B	5121893	COVER, 4,6V53 (INLET) (5.5440)							1					
6A,B	5125655	COVER, 4,6V53 (REAR)			1				1					
6A	5127028	COVER, 2-53											2	
	5117674	COVER, 4,6V53 (INLET)			1									
	103647	DRAINCOCK, 1/4" (12.9510)	1	1		1	1			1				1
	113175	PLUG, 1/8" PIPE (12.9550)	2	2		2	2	2		2				2
	112578	PLUG, 1/4" PIPE (12.9550)	1	1		1	1	1		1				1
	113177	PLUG, 3/4" PIPE BRASS (12.9550)	1	1		1	1			1				
	186625	BOLT, 5/16"-18X7/8" (12.9001)			2				2					
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	10	10	20	10	10	10	20	10				10
	179826	BOLT, 5/16"-18X2" (12.9001)		10	10	10		10		10				10
	179839	BOLT, 3/8"-16X1" (12.9001)											4	
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR				AR
	103321	LOCKWASHER, 3/8" (12.9200)											4	
	117049	NUT, 3/8"-24 (12.9190)											4	
5.5050 - GASKET, HEAT EXCHANGER														
6A,B	5167764	GASKET, 3,4,6V53	3	3		3	3	3		3				3
6A,B	5167764	GASKET, 4,6V53			2				2					
6A,B	5119206	GASKET, 4,6V53 (6.1110)			1				1					
6C	5156147	GASKET, 2-53									1	1	1	
6A	5127052	GASKET, 2-53											2	
5.5070 - BRACKET, HEAT EXCHANGER MOUNTING														
6A	5119158	BRACKET, UPPER 3,4-53	1	1	1	1	1			1				1
	5124944	* BRACKET, LOWER 3,4-53	1	1	1	1	1			1				1
	5125212	+ BRACKET, UPPER 6V53						1	1					
	5125213	+ BRACKET, LOWER 6V53						1	1					
	5124998	- SUPPORT, 2-53												
	5150744	STUD (5/16"-18-24X1 1/4") (5.1020)									1	1	1	
	5156405	# SPACER	2	2	2	2	2			2				
	454813	BOLT, 3/8"-16X7/8" (12.9001)												
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4	4	4	4	4			4				4
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						2	2		2	2	2	
	454906	* BOLT, 3/8"-16X1 1/2" (12.9001)			2									
	454813	* BOLT, 3/8"-16X1 7/8" (12.9001)	2	2		2	2			2				
	106288	* BOLT, 3/8"-16X2 1/4" (12.9001)	2	2	2	2	2			2				
	455537	# BOLT, 3/8"-16X4" (12.9001)	2	2	2	2	2			2				
	106288	BOLT, 3/8"-24X2 1/4" (12.9001)												2
	103320	LOCKWASHER, 5/16" (12.9200)									6	6		AR
	103321	LOCKWASHER, 3/8" (12.9200)												
	114493	NUT, 5/16"-24 (12.9120)									6	6		

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART		NAME AND DESCRIPTION	TYPES										
FIG	NUMBER		2 9 1	2 9 3	2 9 4	2 9 5	2 9 9	3 0 0	3 0 1	3 0 3	3 0 4	3 0 5	3 1 4
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING (CONT'D)											
	117049	NUT, 3/8"-24 (12.9120) * THRU 3D-268, 4D-644. + OBSOLETE. # EFFECTIVE WITH 3D-269, 4D-645.											2
		5.5080 - GASKET, HEAT EXCHANGER MOUNTING BRACKET											
6A	5116212	GASKET, 3,4,6V53 (BRACKET TO TANK)	1	1	1	1	1	1	1				1
6A	5116242	GASKET, 3,4-53 (BRACKET TO HEAD) (1.2044)	1	1		1	1		1				1
6A	5175882	* GASKET, 3,4-53 (SPACER TO FRONT COVER) (4.4115) * EFFECTIVE WITH 3D-269, 4D-645.	2	2	2	2	2		2				
		5.5120 - NECK, EXPANSION TANK FILLER											
	5118060	NECK, 2,3,4,6V53	1	1	1	1	1	1	1	1	1	1	1
		5.5130 - GASKET, EXPANSION TANK FILLER NECK											
	5118061	GASKET, 2,3,4,6V53	1	1	1	1	1	1	1	1	1	1	1
		5.5140 - CAP, EXPANSION TANK FILLER											
6A,B	850795	CAP, 2,3,4,6V53	1	1		1	1	1	1	1	1		1
6A,B	850901	CAP, 2,6V53			1				1			1	
		5.5190 - TUBE, EXPANSION TANK OVERFLOW											
5B	5122569	TUBE ASSY., 3,4,6V53 (DEV. L 14)	1	1	1	1	1	1	1				1
5C	5158825	TUBE ASSY., 2-53 (DEV. L 4 1/4") (2.2300)								1	1	1	
	5100136	ADAPTOR, 1/8" PIPE 2-53 (12.9570)											
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1	1	1	1	1	1	1	1
		5.5200 - CLIP, EXPANSION TANK OVERFLOW TUBE											
	3290459	CLIP (2.5220)	1	1	1	1	1	1	1				1

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART		NAME AND DESCRIPTION	TYPES											
FIG	NUMBER		2 9 1	2 9 3	2 9 4	2 9 5	2 9 9	3 0 0	3 0 1	3 0 3	3 0 4	3 0 5	3 1 4	3 1 6
5.5377 - TUBE, RAW WATER PUMP INLET														
7A	5121043	* ELBOW, 2,3,4-53	1	1		1	1					1		1
7B	5114776	ELBOW, 6V,8V-53						1						
7A	5128086	@ ELBOW, 2,3,4-53										1		
	113177	PLUG, 3/4" PIPE (BRASS) (12.9550)						1						
	179830	BOLT, 5/16"-18X3" (12.9001)	2	2		2	2							2
	180130	BOLT, 3/8"-16X2" (12.9001)						2						
	179829	BOLT, 3/8"-16X2 3/4" (12.9001)										2		
	103341	WASHER, 3/8" (12.9190)						2						
	103320	LOCKWASHER, 5/16" (12.9200)	2	2		2	2					2		2
		* PTO UNITS, TYPE 305.												
		@ GENERATOR UNITS, TYPE 305.												
5.5378 - GASKET, RAW WATER FLANGE (AT PUMP)														
	5122648	GASKET, 2,3,4-53	1	1		1	1					1		1
	5115395	GASKET, 6,8V53 (5.5410)						1						
5.5380 - TUBE, RAW WATER PUMP OUTLET														
7B	5125540	TUBE ASSY., 6V53						1						
5A	5122645	ELBOW, 2,3,4-53	1	1								1		1
5A	5122644	ELBOW, 3,4-53				1	1							
	112578	PLUG, 1/4" PIPE (12.9550)						1						
	179826	BOLT, 5/16"-18X2" (12.9001)	1	1		1	1	1				1		1
	179829	BOLT, 5/16"-18X2 3/4" (12.9001)	1	1		1	1	1				1		1
	179839	BOLT, 3/8"-16X1" (12.9001)						2						
	103341	WASHER, 3/8" (12.9190)						2						
	103320	LOCKWASHER, 5/16" (12.9200)	2	2		2	2	2				2		2
5.5390 - CLIP, HEAT EXCHANGER RAW WATER INLET TUBE														
5A	5179368	CLIP, 1 1/2" (4.4180)	1	1		1	1					1		1
	181333	BOLT, 5/16"-24X5/8" (12.9001)	1	1		1	1					1		1
	103320	LOCKWASHER, 5/16" (12.9200)	1	1		1	1					1		1
	114493	NUT, 5/16"-24 (12.9120)	1	1		1	1					1		1
5.5405 - BRACKET, HEAT EXCHANGER RAW WATER INLET TUBE CLIP														
	5155464	BRACKET, 2,3,4-53 (7.1582)	1	1		1	1					1		1
	100014	BOLT, 5/16"-24X1" (12.9001)	1	1		1	1					1		1
	103320	LOCKWASHER, 5/16" (12.9200)	1	1		1	1					1		1
	114493	NUT, 5/16"-24 (12.9120)	1	1		1	1					1		1

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART			TYPES													
..FIG	NUMBER	NAME AND DESCRIPTION	2 9 1	2 9 3	2 9 4	2 9 5	2 9 9	3 0 0	3 0 1	3 0 3	3 0 4	3 0 5	3 1 4	3 1 6		
		5.5410 - GASKET, RAW WATER FLANGE (AT PUMP)														
	5122648	GASKET, 2,3,4-53 (5.5378)	1	1		1	1					1		1		
	5115395	GASKET, 6V53						1								
		5.5430 - TUBE, HEAT EXCHANGER RAW WATER INLET (INTERMEDIATE)														
5A	5122688	TUBE (DEV. L. 36.36") 3-53	1				1									
5A	5122689	TUBE (DEV. L. 41.76") 4-53		1		1										
5A	5125223	* TUBE (DEV. L. 36.50") 2-53										1				
5A	5128038	* TUBE (DEV. L. 45.64") 4-53												1		
		* OBSOLETE.														
		5.5440 - TUBE, HEAT EXCHANGER RAW WATER INLET														
7B	5125538	TUBE ASSY., 3-53						1								
6A	5122630	ELBOW, 3,4-53	1	1		1	1			1				1		
	5126493	FLANGE, 2-53									1	1				
	5150744	STUD (1 1/4"L.) (5.1020)									2	2				
	186629	BOLT, 5/16"-18X1" (12.9001)						4								
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	4	4		4	4			4				4		
	103320	LOCKWASHER, 5/16" (12.9200)	4	4		4	4	4		4	2	2		4		
	114493	NUT, 5/16"-24 (12.9120)									2	2				
		5.5460 - GASKET, HEAT EXCHANGER RAW WATER INLET TUBE														
6A,B	5158747	GASKET, 3,4,6,8V53	1	1		1	1	1		1				1		
6A	5153902	GASKET, 2-53 (4.1520)									1	1				
	5126635	SEAL RING									1	1				
		5.5470 - HOSE, HEAT EXCHANGER RAW WATER INLET TUBE														
5A	5163930	# HOSE (1 1/2" X 2 3/4") 2, 3, 4-53 (5.3290)	2	2		2	2					2		2		
5A	5110373	# HOSE (2" X 3") 6, 8V53 (5.3330)						1								
5A	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	4	4		4	4	2				4				
5A	2337379	CLAMP, 1 1/16"-2" DIA. HOSE (12.9660) # STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												4		

5.5000A HEAT EXCHANGER OR KEEL COOLING

			TYPES											
FIG	PART NUMBER	NAME AND DESCRIPTION	2 9 1	2 9 3	2 9 4	2 9 5	2 9 9	3 0 0	3 0 1	3 0 3	3 0 4	3 0 5	3 1 4	3 1 6
5.5550 - TUBE, HEAT EXCHANGER WATER OUTLET														
6B	5126464	ELBOW, 3,4-53 (5.5440)	1	1		1	1			1				1
6A	5119878	FLANGE, 6,8V53						1						
	5126493	FLANGE, 2-53 (5.5440)									1	1		
	103175	STUD, 5/16"-18-24X1 1/2" (12.9117)									2	2		
	186629	BOLT, 5/16"-18X1" (12.9001)						4						
	179819	BOLT, 5/16"-18X1 1/4" (12.9001)	4	4		4	4			4				4
	103320	LOCKWASHER, 5/16" (12.9200)	4	4		4	4	4		4	4	4		4
	114493	NUT, 5/16"-24 (12.9120)									2	2		
5.5570 - GASKET, HEAT EXCHANGER WATER OUTLET TUBE														
6B	5158747	GASKET, 2,3,4,6,8V53 (5.5460)	1	1		1	1	1		1				1
	5126635	SEAL RING, 2-53 (5.5460)									1	1		

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART		NAME AND DESCRIPTION	TYPES											
FIG	NUMBER		3 1 7	3 1 8	3 1 9	3 2 0	3 2 1	3 2 2	3 2 3	3 4 5	3 4 8	3 4 9	3 6 8	3 7 3
5.5001 - TANK EXPANSION														
6A,B	5125027	TANK, 2,3,4,6V53	1	1	1	1	1	1	1	1	1	1	1	
6A	5109392	* TANK, 4-53 (AUX.)												
6B	5135123	# TANK, 8V53												1
	113175	PLUG, 1/8" PIPE BRASS (12.9550)	2	2	2	2	2	2	2	2	2	2	2	
	8924380	PLUG, 1/8"-27 PIPE (12.9550)												2
	5115214	PLUG, 1/2" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1	1	
	5109157	PLUG, 1 1/4" DIA. CUP	1	1	1	1	1	1	1	1	1	1	1	
	5117186	PLUG, 2" DIA. CUP (1.2001)												2
	5134851	COVER												1
	5134679	GASKET (5.3325)												1
	5177469	SPACER, 13/32"x3/4"x1 3/16" (7.1585)												2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)												2
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)												2
	103321	LOCKWASHER, 3/8" (12.9200)												4
		# NOT SERVICED, REPLACED BY 5107685 TANK PLUS (1) 5118060 NECK, (1) 5118061 GASKET AND (2) 5117186 PLUGS.												
		* OBSOLETE.												
5.5003 - CORE, HEAT EXCHANGER														
6A,B	8509553	CORE, 3,4,6,8V53	1	1	1	1	1			1	1	1	1	1
5.5010 - ELECTRODE, HEAT EXCHANGER														
6A,B	8515850	ELECTRODE ASSY., 3, 4, 6, 8V53 (INCLUDES 3 3/8" ELECTRODE)	1	1	1	1	1			1	1	1	1	1
6A,B	8515851	ELECTRODE, 3, 4, 6V53 (3 3/8" L.)	1	1	1	1	1			1	1	1	1	1
6A,B	8517473	ELECTRODE ASSY., 2, 3, 4-53 (INCLUDES 1 1/4" ELECTRODE)	1	1	1	1	1				1	1	1	
6A,B	8517474	ELECTRODE, 2, 3, 4-53 (1 1/4" L.)	1	1	1	1	1				1	1	1	
6B	8515841	ELECTRODE ASSY., 6, 8V53 (INCLUDES 2 1/8" ELECTRODE)												1
6B	8515842	ELECTRODE (2 1/8" L.)								1				1
5.5025 - RETAINER, HEAT EXCHANGER SEAL														
6A,B	5167766	RETAINER, 3,4,6,8V53	1	1	1	1	1			1	1	1	1	1
5.5026 - SEAL, HEAT EXCHANGER														
6A,B	5167746	SEAL, 3,4,6,8V53	2	2	2	2	2			2	2	2	2	2

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART			TYPES											
..FIG	NUMBER	NAME AND DESCRIPTION	3 1 7	3 1 8	3 1 9	3 2 0	3 2 1	3 2 2	3 2 3	3 4 5	3 4 8	3 4 9	3 6 8	3 7 3
5.5027 - GLAND, HEAT EXCHANGER SEAL RETAINER														
6A,B	5167745	GLAND, 3,4,6,8V53	1	1	1	1	1			1	1	1	1	1
5.5030 - COVER, HEAT EXCHANGER														
6A,B	5146276	COVER, 3,4,6,8V53 (INLET)	1	1	1	1	1			1	1	1	1	1
6A,B	5167741	COVER, 3,4,6,8V53 (OUTLET)	1	1	1	1	1			1	1	1	1	1
6A,B	5186976	COVER, 4,6V53 (BLANK)						1	1					
6A,B	5121893	COVER, 4,6V53 (INLET) (5.5440)						1	1					
6A,B	5125655	COVER, 4,6V53 (REAR)						1	1					
6A	5135999	# COVER, 8V53 (INLET)												1
	114981	DRAINCOCK, 1/8" (12.9510)												1
	103647	DRAINCOCK, 1/4" (12.9510)	1	1	1	1	1			1	1	1	1	1
	113175	PLUG, 1/8" PIPE (12.9550)	2	2	2	2	2			2	2	2	2	2
	112578	PLUG, 1/4" PIPE (12.9550)	1	1	1	1	1			1	1	1	1	1
	113177	PLUG, 3/4" PIPE BRASS (12.9550)	1	1	1	1	1			1	1	1	1	1
	186625	BOLT, 5/16"-18X7/8" (12.9001)						2	2					
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	10	10	10	10	10	20	20	10	10	10	10	10
	179826	BOLT, 5/16"-18X2" (12.9001)	10	10	10	10	10			10	10	10		10
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		# NOT SERVICED, USE 5146276 COVER AND (1) 112578 PLUG.												
5.5050 - GASKET, HEAT EXCHANGER														
6A,B	5167764	GASKET, 3,4,6,8V53	3	3	3	3	3	2	2	3	3	3	3	3
6A,B	5119206	GASKET, 4,6V53 (6.1110)						1	1					
5.5070 - BRACKET, HEAT EXCHANGER MOUNTING														
6A	5119158	BRACKET, UPPER 3,4-53	1	1	1								1	
	5124944	* BRACKET, LOWER 3,4-53	1	1	1								1	
	5125212	+ BRACKET, UPPER 6V53								1				
	5125213	+ BRACKET, LOWER 6V53								1				
6A	5128692	BRACKET, UPPER 3,4-53				1		1				1		
	5128690	+ BRACKET, LOWER 3,4-53				1		1				1		
6A	5128691	BRACKET, UPPER 3,4-53					1		1		1			
	5128689	+ BRACKET, LOWER 3,4-53					1		1		1			
6A	5109376	BRACKET, 4-53 (AUX. TANK MOUNTING)									2	2		
	5135355	BRACKET, 8V53												1
	5156405	@ SPACER, 3,4-53											2	
	454813	BOLT, 3/8"-16X7/8" (12.9001)	2	2	2			2	2					
	179839	BOLT, 3/8"-16X1" (12.9001)				2	2	2	2		2	2		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4	4	4	2	2	2	2		2	2	4	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)								2				
	454813	* BOLT, 3/8"-16X1 7/8" (12.9001)											2	
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)								2				

5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES											
			3 1 7	3 1 8	3 1 9	3 2 0	3 2 1	3 2 2	3 2 3	3 4 5	3 4 8	3 4 9	3 6 8	3 7 3
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING (CONT'D)												
	106288	* BOLT, 3/8"-16X2 1/4" (12.9001)											2	
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)								2				
	455537	@ BOLT, 3/8"-16X4" (12.9001)											2	
	106288	BOLT, 3/8"-24X2 1/4" (12.9001)	2	2	2	2	2	2	2		2	2		
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)												2
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)								2				2
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)				2	2	2	2		2	2		
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		
	103322	LOCKWASHER, 7/16" (12.9200)								2				4
	103323	LOCKWASHER, 1/2" (12.9200)				2	2	2	2		2	2		
	117049	NUT, 3/8"-24 (12.9120)	2	2	2			2	2		2	2		
		* THRU 3D-268, 4D-644.												
		@ EFFECTIVE WITH 3D-269, 4D-645.												
		+ OBSOLETE.												
		5.5080 - GASKET, HEAT EXCHANGER MOUNTING BRACKET												
6A	5116212	GASKET, 3,4,6V53 (BRACKET TO TANK)	1	1	1	1	1	1	1	1	1	1	1	
6A	5116242	GASKET, 3,4-53 (BRACKET TO HEAD) (1.2044)	1	1	1								1	
6A	5175882	* GASKET, 3,4-53 (SPACER TO FRONT) (4.4115)											2	
		* EFFECTIVE WITH 3D-269, 4D-645.												
		5.5120 - NECK, EXPANSION TANK FILLER												
	5118060	NECK, 2,3,4,6,8V53	1	1	1	1	1	1	1	1	1	1	1	1
		5.5130 - GASKET, EXPANSION TANK FILLER NECK												
	5118081	GASKET, 2,3,4,6,8V53	1	1	1	1	1	1	1	1	1	1	1	1
		5.5140 - CAP, EXPANSION TANK FILLER												
6A,B	850795	CAP, 2,3,4,6,8V53	1	1	1	1	1			1	1	1	1	1
6A,B	850901	CAP, 2,8,8V53						1	1					
		5.5190 - TUBE, EXPANSION TANK OVERFLOW												
5B	5122569	TUBE ASSY., 3, 4, 6V53 (DEV. L 14")	1	1	1	1	1	1	1	1	1	1	1	
5B	5135900	TUBE ASSY., 8V53 (DEV. L 17.75")												1
	225815	ELBOW, 5/16" INV. FL TUBE 90 DEG. (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	3 1 7	3 1 8	3 1 9	3 2 0	3 2 1	3 2 2	3 2 3	3 4 5	3 4 8	3 4 9	3 6 8	3 7 3
5.5195 - HOSE, HEAT EXCHANGER AUX. TANK														
	5129867	# HOSE, 1/4 X 38 L 4-53									1	1		
	5138542	# HOSE, 3/4 I.D. X 30 L 4-53									1	1		
	118753	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)									2	2		
	110289	ELBOW, 3/4" FL. TUBE 90 DEG. (12.9390)									2	2		
	5111277	FITTING (1/4" HOSE) (8.1017)									2	2		
	5126728	FITTING (3/4" HOSE) (12.4070)									2	2		
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
5.5200 - CLIP, EXPANSION TANK OVERFLOW TUBE														
	3290459	CLIP (2.5220)	1	1	1	1	1	1	1	1	1	1	1	1
5.5377 - TUBE, RAW WATER PUMP INLET														
7A	5121043	ELBOW, 2,3,4-53	1	1	1								1	
7B	5114776	ELBOW, 6V,8V-53												1
7A	5128086	ELBOW, 2,3,4-53				1	1				1	1		
7B	5109936	ELBOW, 6V-53								1				1
	113177	PLUG, 3/4" PIPE (BRASS) (12.9550)								1				
	179830	BOLT, 5/16"-18X3" (12.9001)	2	2	2								2	
	179847	BOLT, 3/8"-16X2" (12.9001)								2				2
	179828	BOLT, 3/8"-16X2 1/2" (12.9001)				2	2				2	2		2
	103341	WASHER, 3/8" (12.9190)								2				2
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2				2	2	2	
5.5378 - GASKET, RAW WATER FLANGE (AT PUMP)														
	5122648	GASKET, 2,3,4-53	1	1	1	1	1				1	1	1	
	5115395	GASKET, 6,8V53 (5.5410)								1				1
5.5380 - TUBE, RAW WATER PUMP OUTLET														
7B	5109705	TUBE ASSY., 6V53								1				
5A	5122645	ELBOW, 2,3,4-53		1		1						1	1	
5A	5122644	ELBOW, 3,4-53	1		1		1				1			
	103647	DRAINCOCK, 1/4" (12.9510)								1				

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART		TYPES												
..FIG	NUMBER	NAME AND DESCRIPTION	3 1 7	3 1 8	3 1 9	3 2 0	3 2 1	3 2 2	3 2 3	3 4 5	3 4 8	3 4 9	3 6 8	3 7 3
		5.5380 - TUBE, RAW WATER PUMP OUTLET (CONT'D)												
	179826	BOLT, 5/16"-18X2" (12.9001)	1	1	1	1	1				1	1	1	
	179829	BOLT, 5/16"-18X2 3/4" (12.9001)	1	1	1	1	1				1	1	1	
	179839	BOLT, 3/8"-16X1" (12.9001)								2				
	103341	WASHER, 3/8" (12.9190)								2				
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2			2	2	2	2	
		5.5390 - CLIP, HEAT EXCHANGER RAW WATER INLET TUBE												
5A	5179368	CLIP, 1 1/2" (4.4180)	1	1	1								1	
	181333	BOLT, 5/16"-24X5/8" (12.9001)	1	1	1								1	
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1								1	
	114493	LOCKNUT, 5/16"-24 (2.7170)	1	1	1								1	
		5.5405 - BRACKET, HEAT EXCHANGER RAW WATER INLET TUBE CLIP												
	5155464	BRACKET, 2,3,4-53 (7.1582)	1	1	1								1	
	100014	BOLT, 5/16"-24X1" (12.9001)	1	1	1								1	
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1								1	
	114493	LOCKNUT, 5/16"-24 (2.7170)	1	1	1								1	
		5.5410 - GASKET, RAW WATER FLANGE (AT PUMP)												
	5122648	GASKET, 2,3,4-53 (5.5378)	1	1	1	1	1					1	1	
	5115395	GASKET, 6V53								1				
		5.5430 - TUBE, HEAT EXCHANGER RAW WATER INLET (INTERMEDIATE)												
5A	5128038	* TUBE (DEV. L. 45.64") 4-53	1											
5A	5128037	TUBE (DEV. L. 40.24") 3-53		1	1								1	
		* OBSOLETE.												
		5.5440 - TUBE, HEAT EXCHANGER RAW WATER INLET												
7B	5109808	+ TUBE ASSY., 6V-53								1				
7B	5135357	+ TUBE ASSY., 8V-53												1
6A	5122630	ELBOW, 3,4-53	1	1	1								1	
6A	5126464	ELBOW, 3,4-53				1	1				1	1		
	186629	BOLT, 5/16"-18X1" (12.9001)								4				4
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	4	4	4	4	4			4	4	4	4	4
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4			4	4	4	4	4
		+ OBSOLETE.												

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	3 1 7	3 1 8	3 1 9	3 2 0	3 2 1	3 2 2	3 2 3	3 4 5	3 4 8	3 4 9	3 6 8	3 7 3
		5.5460 - GASKET, HEAT EXCHANGER RAW WATER INLET TUBE												
6A,B	5158747	GASKET, 3,4,6,8V53	1	1	1	1	1			1	1	1	1	1
		5.5470 - HOSE, HEAT EXCHANGER RAW WATER INLET TUBE												
5A	5163930	# HOSE, 1 1/2" X 2 3/4" 2, 3, 4-53 (5.3290)	2	2	2								2	
	5110373	HOSE, 2" X 3" 6, 8V53 (5.3330)								1				1
	5109545	HOSE, 1 1/2" I.D., FORMED 3, 4-53					1	1				1	1	
5A	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)					2	2		2	2	2	4	2
5A	2337379	CLAMP, 1 1/16"-2" DIA. HOSE (12.9660) # STD. LENGTH HOSE, CUT TO LENGTH SHOWN.	4	4	4									
		5.5550 - TUBE, HEAT EXCHANGER RAW WATER OUTLET												
	5126464	ELBOW, 3,4-53 (5.5440)	1	1	1	1	1						1	
6B	5119878	FLANGE, 6,8V53								1	1	1		1
	186629	BOLT, 5/16"-18X1" (12.9001)								4				4
	179819	BOLT, 5/16"-18X1 1/4" (12.9001)	4	4	4	4	4				4	4	4	
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4			4	4	4	4	4
		5.5570 - GASKET, HEAT EXCHANGER RAW WATER OUTLET TUBE												
6B	5158747	GASKET, 3,4,6,8V53 (5.5460)	1	1	1	1	1			1	1	1	1	1

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART			TYPES											
..FIG	NUMBER	NAME AND DESCRIPTION	3 7 8	3 7 9	3 8 0	3 8 3	3 8 4	3 8 5	3 8 6	3 8 9	3 9 2	3 9 5	3 9 6	3 9 9
5.5001 - TANK EXPANSION														
6A,B	5135123	# TANK, 4,6,8V53	1	1		1			1			1	1	
6B	5107685	TANK, 6,8V53			1		1	1		1	1			1
	8924380	PLUG, 1/8"-27 PIPE (12.9550)				2						2	2	
	113175	PLUG, 1/8" PIPE BRASS (12.9550)					2							
	8923847	PLUG, 1/4" PIPE (4.7001)			1		1	1		1	1			1
	5111798	PLUG, 1" PIPE (12.9550)										1	1	
	5117186	PLUG, 2" DIA. CUP (1.2001)	2	2	2	2	2	2	2	2	2	2	2	2
	5134851	COVER	1	1	1	1	1	1	1	1	1	1	1	1
	5134679	GASKET (5.3325)	1	1	1	1	1	1	1	1	1	1	1	1
	5177469	SPACER, 13/32"X3/4"X1 3/16" (7.1585)	2	2	2	2	2	2	2	2	2			2
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)	2	2	2	2	2	2	2	2	2			2
	181384	BOLT, 3/8"-24X2 3/4" (12.9001)										2	2	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	4	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)										2	2	
		# NOT SERVICED; USE 5107685 TANK PLUS (1) 5118060 NECK, (1) 5118061 GASKET, AND (2) 5117186 PLUGS.												
5.5003 - CORE, HEAT EXCHANGER														
6A,B	8509553	CORE, 4,6,8V53	1	1	1		1			1		1	1	1
5.5010 - ELECTRODE, HEAT EXCHANGER														
6A,B	8515850	ELECTRODE ASSY., 4,6,8V53 (INCLUDES 3 3/8 L. ELECTRODE)	1	1	1		1			1		1	1	1
5.5025 - RETAINER, HEAT EXCHANGER SEAL														
6A,B	5167766	RETAINER, 4,6,8V53	1	1	1		1			1		1	1	1
5.5026 - SEAL, HEAT EXCHANGER														
6A,B	5167746	SEAL, 4,6,8V53	2	2	2		2		2	2		2	2	2
5.5027 - GLAND, HEAT EXCHANGER SEAL RETAINER														
6A,B	5167745	GLAND, 4,6,8V53	1	1	1		1			1		1	1	1
5.5030 - COVER, HEAT EXCHANGER														
6A,B	5135999	# COVER, 4,6,8V53 (INLET)	1	1	1		1			1		1	1	1
6A,B	5167741	COVER, 4,6,8V53 (OUTLET)	1	1	1		1			1		1	1	1
6B	5186976	COVER, 6,8V53 (BLANK)				1		1	1		1			

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	3 7 8	3 7 9	3 8 0	3 8 3	3 8 4	3 8 5	3 8 6	3 8 9	3 9 2	3 9 5	3 9 6	3 9 9
5.5030 - COVER, HEAT EXCHANGER (CONT'D)														
6A,B	5121893	COVER, 4,6,8V53 (INLET) (5.5440)				1								
6A,B	5123661	COVER, 4,6V53 (BLANK) (4.1290)						2				1	1	
	5117674	COVER, 4,6V53 (INLET)						1	1		1			
	114981	DRAINCOCK, 1/8" (12.9510)	1	1	1		1			1				1
	103647	DRAINCOCK, 1/4" (12.9510)										1	1	
	113175	PLUG, 1/8" PIPE (12.9550)	2	2	2		2			2		2	2	2
	112578	PLUG, 1/4" PIPE (12.9550)	1	1	1		1			1		1	1	1
	113177	PLUG, 3/4" PIPE BRASS (12.9550)	1	1	1		1			1		1	1	1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	10	10	10	20	10	20	20	10	20	10	10	10
	179826	BOLT, 5/16"-18X2" (12.9001)	10	10	10		10			10		10	10	10
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						4				2	2	
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)						4				2	2	
		# NOT SERVICED, USE 5146276 COVER AND (1) 112578 PLUG.												
5.5050 - GASKET, HEAT EXCHANGER														
6A,B	5167764	GASKET, 4,6,8V53	3	3		2	3	2	2	3	2	3	3	3
6A,B	5123660	GASKET, 4,6V53 (4.1300)						2				1	1	
6B	5146135	GASKET, 6V53			3									
5.5070 - BRACKET, HEAT EXCHANGER MOUNTING														
	5135291	BRACKET, UPPER 6V53	1	1	1	1		1		1				1
	5135355	BRACKET, 8V53					1		1		1			
6A	5138767	BRACKET, UPPER 4-53										1		
	5138761	BRACKET, LOWER 4-53										1		
6A	5138592	BRACKET, UPPER 4-53											1	
	5138585	BRACKET, LOWER 4-53											1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										2	2	
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	180143	BOLT, 7/16"-14X1 1/4" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)										2	2	
	103321	LOCKWASHER, 3/8" (12.9200)										2	2	
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	2	2	4
	103323	LOCKWASHER, 1/2" (12.9200)										1	1	
5.5120 - NECK, EXPANSION TANK FILLER														
	5118060	NECK, 4,6,8V53	1	1	1	1	1	1	1	1	1	1	1	1
5.5130 - GASKET, EXPANSION TANK FILLER NECK														
	5118061	GASKET, 4,6,8V53	1	1	1	1	1	1	1	1	1	1	1	1

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART			TYPES											
.FIG	NUMBER	NAME AND DESCRIPTION	3 7 8	3 7 9	3 8 0	3 8 3	3 8 4	3 8 5	3 8 6	3 8 9	3 9 2	3 9 5	3 9 6	3 9 9
5.5140 - CAP, EXPANSION TANK FILLER														
6A,B	850795	CAP, 4,6,8V53	1	1	1		1		1	1	1	1	1	1
6A	850901	CAP, 6V53				1		1						
5.5190 - TUBE, EXPANSION TANK OVERFLOW														
5A,B	5135900	TUBE ASSY., 4, 6, 8V53 (DEV. L 17.75")	1	1	1	1	1	1	1	1	1	1	1	1
	9432245	ELBOW, 5/16" INV. FL TUBE 90 DEG. (12.9480)					1		1		1			
	225815	ELBOW, 5/16" INV. FL TUBE 90 DEG. (12.9480)	1	1	1	1		1		1		1	1	1
5.5200 - CLIP, EXPANSION TANK OVERFLOW TUBE														
	3290459	CLIP (2.5220)	1	1	1	1	1	1	1	1	1	1	1	1
5.5378 - GASKET, RAW WATER FLANGE (AT PUMP)														
	5115395	GASKET, 4,6,8V53 (5.5410)	1	1	1		1		1		1	1	1	1
5.5380 - TUBE, RAW WATER PUMP OUTLET														
7B	5125540	TUBE ASSY., 6V-53	1		1					1				
7B	5109705	TUBE ASSY., 6V-53		1										1
7B	5136661	TUBE ASSY., 8V-53					1							
	5138746	ELBOW, 4-53 (8 ENGINE)										1		
	5138569	ELBOW, 4-53 (D ENGINE)											1	
	103647	DRAINCOCK, 1/4" (12.9510)												1
	112578	PLUG, 1/4" PIPE BRASS (12.9550)	1	1	1				1					
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2		2		2					2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)										1	1	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)										1	1	
	103341	WASHER, 3/8" (12.9190)	2	2	2		2		2					2
	103321	LOCKWASHER, 3/8" (12.9200)					AR					2	2	
5.5430 - TUBE, HEAT EXCHANGER RAW WATER INLET (INTERMEDIATE)														
	5115502	TUBE (DEV. L 19.00") 8V-53					1							
5A	5138766	+ TUBE (DEV. L 23.50") 4-53										1		
5A	5140384	+ TUBE (DEV. L 23.80") 4-53											1	
		+ OBSOLETE.												
5.5440 - TUBE, HEAT EXCHANGER RAW WATER INLET														
7B	5135498	TUBE ASSY., 6V-53	1		1				1					
7B	5136504	TUBE ASSY., 6V-53		1										
7B	5137343	TUBE ASSY., 8V-53 (5.5377)					1							1

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	3 7 8	3 7 9	3 8 0	3 8 3	3 8 4	3 8 5	3 8 6	3 8 9	3 9 2	3 9 5	3 9 6	3 9 9
		5.5440 - TUBE, HEAT EXCHANGER RAW WATER INLET (CONT'D)												
5A,8A	5138743	* ELBOW, 4-53 (5.5550)										1	1	
	186629	BOLT, 5/16"-18X1" (12.9001)	4	4	4		4		4					4
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)										4	4	
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4		4		4			4	4	4
		* OBSOLETE												
		5.5460 - GASKET, HEAT EXCHANGER RAW WATER INLET TUBE												
5A,8	5158747	GASKET, 3,4,6,8V53	1	1	1		1		1		1	1	1	1
		5.5470 - HOSE, HEAT EXCHANGER RAW WATER INLET TUBE												
5A	5110373	# HOSE (2 X 3") 6, 8V53 (5.3330)	1	1	1		2		2					2
	5199780	# HOSE (2 3/8" X 2 3/4") 4-53 (5.3365)										1	1	
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	2	2	2		4		4					4
5A	5188036	CLAMP, 2 9/16"-3 1/2" DIA. HOSE (12.9660)										2	2	
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.5550 - TUBE, HEAT EXCHANGER RAW WATER OUTLET												
6B	5136504	TUBE ASSY., 8V53							1					1
	5119878	FLANGE, 4,6,8V53	1	1	1		1					1	1	1
	186629	BOLT, 5/16"-18X1" (12.9001)	4	4	4		4		4			4	4	4
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)										4	4	
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4		4		4			4	4	4
		5.5570 - GASKET, HEAT EXCHANGER RAW WATER OUTLET TUBE												
6A,8	5158747	GASKET, 3,4,6,8V53 (5.5460)	1	1	1		1		1		1	1	1	1
		5.5580 - HOSE, HEAT EXCHANGER WATER OUTLET TUBE												
	5199776	# HOSE, 1 3/4" I.D. X 2.78" L 4-53 (5.3295)										2	2	
	8920537	CLAMP, 1 9/16" X 2 1/2" (12.9660)										4	4	
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	4 0 2	4 0 6	4 1 1 3	4 2 4	4 3 4	4 4 0	4 4 1	4 4 2	4 4 3	4 4 4			
5.5001 - TANK EXPANSION															
6B	5107685	TANK, 6,8V53		1	1										
6B	5137002	# TANK ASSY., 6V53			1										
6A	5125027	TANK, 3-53					1								
6B	5144834	# TANK, 6,8V53 (ALUM.)						1	1	1	1	1	1		
	8924380	PLUG, 1/8"-27 PIPE (12.9550)			2		2								
	8923847	PLUG, 1/4" PIPE (4.7001)		1		1									
	5115214	PLUG, 1/2" PIPE (12.9550)					1								
	5109157	PLUG, 1 1/4" DIA. CUP					1								
	5117186	PLUG, 2" DIA. CUP (1.2001)		2	2	2									
	5134851	COVER		1	1	1									
	5134679	GASKET (5.3325)		1	1	1									
	5177469	SPACER, 13/32"x3/4"x1 3/16" (7.1585)		2	2	2									
	5145128	SPACER, 13/32"x2.56"						2	2	2	2	2	2	2	
	179839	BOLT, 3/8"-16X1" (12.9001)		2		2									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2										
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)		2	2	2		2	2	2	2	2	2	2	
	103321	LOCKWASHER, 3/8" (12.9200)		4	AR	AR		AR	AR	AR	AR	AR	AR	AR	
	# NOT SERVICED; CONVERT TYPE 434 TO TYPE 380, TYPE 440 TO TYPE 385, TYPE 441 TO TYPE 379, TYPE 442 TO TYPE 384, TYPE 443 TO TYPE 386, AND TYPE 444 TO TYPE 378. ALSO INCLUDE (1) 5118060 NECK, (1) 5118061 GASKET, AND (2) 5117186.														
5.5003 - CORE, HEAT EXCHANGER															
6A,B	8509553	CORE, 3,4,6,8V53		1	1	1	1	1		1	1		1		
5.5010 - ELECTRODE, HEAT EXCHANGER															
6A,B	8515850	ELECTRODE ASSY. 3, 4, 6, 8V53 (INCLUDES 3 3/8" L. ELECTRODE)		1	1	1	1	1		1	1		1		
5.5025 - RETAINER, HEAT EXCHANGER SEAL															
6A,B	5167766	RETAINER, 3,4,6,8V53		1	1	1	1	1		1	1		1		
5.5026 - SEAL, HEAT EXCHANGER															
6A,B	5167746	SEAL, 3,4,6,8V53		2	2	2	2	2		2	2		2		
5.5027 - GLAND, HEAT EXCHANGER SEAL RETAINER															
6A,B	5167745	GLAND, 3,4,6,8V53		1	1	1	1	1		1	1		1		

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART			TYPES										
FIG	NUMBER	NAME AND DESCRIPTION	4 0 2	4 0 6	4 1 1	4 1 3	4 2 4	4 3 4	4 4 0	4 4 1	4 4 2	4 4 3	4 4 4
5.5030 - COVER, HEAT EXCHANGER													
6B	5135999	# COVER, 3,4,6,8V53 (INLET)		1	1	1	1	1		1	1		1
6A,B	5167741	COVER, 3,6,4,8V53 (OUTLET)	1	1	1	1	1	1		1	1		1
	5134939	+ COVER, 6V53 (BOTTOM)			1				1			1	1
6B	5134851	COVER, 3,4,6,8V53 (OUTLET)						1	1	1	1	1	1
	5145287	+ COVER, 6,8V53 (INLET)						1	1			1	1
	5186976	COVER, 6,8V53 (INLET)						1				1	
	114981	DRAINCOCK, 1/8" (12.9510)	1		1		1		1	1			1
	103647	DRAINCOCK, 1/4" (12.9510)		1		1							
	113175	PLUG, 1/8" PIPE (12.9550)	2	2	2	2	2		2	2			2
	112578	PLUG, 1/4" PIPE (12.9550)	1	1	1	1							
	113177	PLUG, 3/4" PIPE BRASS (12.9550)	1	1	1	1	1		1	1			1
	186625	BOLT, 5/16"-18X7/8" (12.9001)		8									
	122018	BOLT, 5/16"-18X1" (12.9001)							8				8
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	10	10	10	10							
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)					2	2	2	2	10	2	10
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)					10	20	20	10	20	10	10
	179826	BOLT, 5/16"-18X2" (12.9001)	10	10	10	10							
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)					10			10		10	
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		# NOT SERVICED, USE 5146278 COVER AND (1) 112578 PLUG.											
		+ OBSOLETE.											
5.5050 - GASKET, HEAT EXCHANGER													
6A,B	5167764	GASKET, 3,4,6,8V53	3	3		3							
6B	5146135	GASKET, 6V53			3		3	2	3	3	2	3	
6B	5134679	GASKET, 6,8V53 (5.3325)					1	1	1	1	1	1	
6B	5144703	GASKET, 6,8V53							1			1	1
5.5070 - BRACKET, HEAT EXCHANGER MOUNTING													
6A	5119158	BRACKET, UPPER 3-53				1							
	5135291	BRACKET, UPPER 6V53		1	1		1	1	1			1	
	5135355	BRACKET, 8V53	1							1	1		
	5156405	SPACER, 4-53 (7.1581)				2							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				4							
	186285	BOLT, 3/8"-16X4" (12.9001)				2							
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)	2	2	2		2	2	2	2	2	2	2
	180143	BOLT, 7/16"-14X1 1/4" (12.9001)	2	2	2		2	2	2	2	2	2	2
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4		4	4	4	4	4	4	4
5.5080 - GASKET, HEAT EXCHANGER MOUNTING BRACKET													
6A	5116242	GASKET, 3-53 (BRACKET TO HEAD) (1.2044)				1							
6A	5116212	GASKET, 3-53 (BRACKET TO TANK)				1							

DETROIT DIESEL

53 MPC ENGINES

5.5000A HEAT EXCHANGER OR KEEL COOLING

PART			TYPES										
FIG	NUMBER	NAME AND DESCRIPTION	4 0 2	4 0 6	4 1 1	4 1 3	4 2 4	4 3 4	4 4 0	4 4 1	4 4 2	4 4 3	4 4 4
		5.5080 - GASKET, HEAT EXCHANGER MOUNTING BRACKET (CONT'D)											
6A	5175882	GASKET, 3-53 (SPACER TO FRONT COVER) (4.4115)					2						
		5.5120 - NECK, EXPANSION TANK FILLER											
	5118060	NECK, 3,4,6,8V53		1	1	1	1	1	1	1	1	1	1
		5.5130 - GASKET, EXPANSION TANK FILLER NECK											
	5118061	GASKET, 3,4,6,8V53		1	1	1	1	1	1	1	1	1	1
		5.5140 - CAP, EXPANSION TANK FILLER											
6A,B	850795	CAP, 3,4,6,8V53	1	1	1	1	1	1		1	1	1	1
6A	850901	CAP, 6V53							1				
		5.5190 - TUBE, EXPANSION TANK OVERFLOW											
5A	5122569	TUBE ASSY., 3-53 (DEV. L 14")					1						
5A,B	5136900	TUBE ASSY., 4, 6, 8V53 (DEV L 17.75")		1	1	1		1	1	1	1	1	1
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)		1	1	1	1	1	1	1	1	1	1
		5.5200 - CLIP, EXPANSION TANK OVERFLOW TUBE											
	3290459	CLIP (2.5220)		1	1	1	1	1	1	1	1	1	1
		5.5378 - GASKET, RAW WATER FLANGE (AT PUMP)											
	5115395	GASKET, 3,4,6,8V53 (5.5410)	1	1	1	1		1		1	1		1
		5.5380 - TUBE, RAW WATER PUMP OUTLET											
7B	5125540	TUBE ASSY., 6V-53	1		1			1					1
7B	5109705	TUBE ASSY., 6V-53				1				1			
7B	5136681	TUBE ASSY., 8V-53		1							1		
	5145483	CONNECTOR, 1"X1.50" HOSE					1						
	103647	DRAINCOCK, 1/4" (12.9510)				1				1			
	112578	PLUG, 1/4" PIPE BRASS (12.9550)	1		1			1					1
	113177	PLUG, 3/4" PIPE BRASS (12.9550)		1							1		
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2	2		2		2	2		2