

4.2000A OIL FILTER

PART		TYPES														
..FIG ..	NUMBER	NAME AND DESCRIPTION	4 1 2	4 1 3	4 1 4	4 1 6	4 1 7	4 1 8	4 1 9	4 2 0	4 2 1	4 2 2	4 2 3	4 2 4		
4.2440 - BRACKET, OIL FILTER MOUNTING																
5137739	BRACKET									1				1	1	
5137965	BRACKET															
5173144	SPACER, 13/32"x3/4"x1 13/16" (4.8040)									2				3	3	
5157412	SPACER, 13/32"x7/8"x1/4"															
186619	BOLT, 3/8"-16X1 1/8" (12.9001)									2						
215510	BOLT, 3/8"-16X5 3/4" (12.9001)									1						
186318	BOLT, 3/8"-24X5 1/4" (12.9001)									1						
186628	BOLT, 3/8"-16X1 1/2" (12.9001)												3	3		
120394	WASHER, 13/32"x13/16" (12.9190)									2						
103321	LOCKWASHER, 3/8" (12.9200)									3			3	3		

4.2000A OIL FILTER

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	4 2 5	4 2 6	4 2 8	4 2 9	4 3 0	4 3 1	4 3 2	4 3 3	4 3 4	4 3 5	4 4 7	4 5 5
4.2240 - FILTER ASSY., OIL														
SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.														
	5100800	FILTER ASSY., 6V53 (PAGE C1)												1
	5104419	ADAPTOR ASSY. (SPIN-ON)	1						1	1		1		
	5103762	+ ADAPTOR AND INSERT ASSY. (SPIN-ON)	1						1	1		1		
	5104115	ADAPTOR AND INSERT ASSY. (SPIN-ON)		1	1	1	1				1			
	5104420	ADAPTOR ASSY. (SPIN-ON)						1					1	
	5103892	INSERT (SPIN-ON)						1					1	
	5111798	PLUG, 1" PIPE (12.9550)		2	2	2	2				2			
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)												4
	179845	BOLT, 3/8"-16X1 3/4" (12.9001)	4						4			4		
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)		4	4		4							
	179839	BOLT, 3/8"-16X1" (12.9001)						4						
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)								4				
	103341	WASHER, 3/8" (12.9190)	4						4	4		4		4
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4		4	4	4	4		4		4
	117049	NUT, 3/8"-24 (12.9120)		4	4		4							
		+ NOT SERVICED, USE 5104419 ADAPTOR.												
4.2250 - ELEMENT, OIL FILTER														
3A	25010495	ELEMENT	1	1	1	1		1		1		1		
3A	25011106	ELEMENT					1		1		1	1	1	
4.2291 - ADAPTOR, OIL FILTER COVER														
	5106221	ADAPTOR, 6V53												1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)												2
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)												2
	103341	WASHER, 3/8" (12.9200)												4
	103321	LOCKWASHER, 3/8" (12.9190)												4
4.2270 - SPACER, OIL FILTER														
	5143064	SPACER, 3-53 (4.2290)								1				
4.2293 - GASKET, OIL FILTER ADAPTOR TO OIL COOLER ADAPTOR														
	5121205	GASKET								1				1
4.2350 - GASKET, OIL FILTER ADAPTOR														
	8921708	GASKET	1						1	1		1		
	5104866	GASKET												1
4.2440 - BRACKET, OIL FILTER MOUNTING														
	5137739	BRACKET		1	1									
	5137965	BRACKET					1							
	5107020	BRACKET						1						
	5173144	SPACER, 13/32"X3/4"X1 13/16" (4.8040)												
	5157412	SPACER, 13/32"X7/8"X1/4" (7.4013)		2	2									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2	2			3						
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						3						

4.2000A OIL FILTER

			TYPES											
FIG	PART NUMBER	NAME AND DESCRIPTION	4 2 5	4 2 6	4 2 8	4 2 9	4 3 0	4 3 1	4 3 2	4 3 3	4 3 4	4 3 5	4 4 7	4 5 5
		4.2440 - BRACKET, OIL FILTER MOUNTING (CONT'D)												
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)		1										
	215510	BOLT, 3/8"-16X5 3/4" (12.9001)		1	1									
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)			1									
	120394	WASHER, 13/32"X13/16" (12.9190)		2	2									
	103321	LOCKWASHER, 3/8" (12.9200)		2	2		3							
		4.2485 - VALVE, OIL FILTER BYPASS												
3A	5133431	VALVE	1					1	1	1		1	1	
		4.2486 - SPRING, OIL FILTER BYPASS VALVE												
3A	5134477	SPRING	1					1	1	1		1	1	

4.2000A OIL FILTER

PART			TYPES											
.FIG	NUMBER	NAME AND DESCRIPTION	4 2 5	4 2 6	4 2 8	4 2 9	4 3 0	4 3 1	4 3 2	4 3 3	4 3 4	4 3 5	4 4 7	4 5 5
4.2488 - PLUG, OIL FILTER BYPASS VALVE														
3A	5134456	RETAINER	1					1	1	1		1		
3A	160221	SCREW, #12-24X1/2" (12.9026)	1					1	1	1		1		
	5121182	PLUG, 1/4" PIPE (12.9550)	2					1	2	2		2	1	
	5126686	PLUG, 1 1/4"-16						1					1	
4.2489 - GASKET, OIL FILTER BYPASS PLUG														
	5575086	GASKET						1					1	

4.2000A OIL FILTER

PART		TYPES										
..FIG	NUMBER	NAME AND DESCRIPTION	4	6	6							
	4.2240	FILTER ASSY., OIL										
		SEE ASSEMBLY BREAKDOWN AS INDICATED ON PAGE C1.										
5100759	*	FILTER ASSY., 6V53	1									
5111798		PLUG, 1" PIPE (12.9550)	2									
		* NOT SERVICED, USE 5100800.										
	4.2350	GASKET, OIL FILTER ADAPTOR										
5121205		GASKET	1									

4.2000A OIL FILTER

			COLUMN													
FIG	PART NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N
4.2240 - FILTER ASSY., OIL																
	5121120	+ FILTER ASSY.	1													
	5121143	+ FILTER ASSY.,2-3-53		1												
	5122527	+ FILTER ASSY.,4-53			1											
	5125025	FILTER ASSY.,2-3-53				1										
	5126546	FILTER ASSY.,8V53					1									
	5181797	FILTER ASSY.,4-53,6,8V53						1								
	5570098	+ FILTER ASSY.,2-53							1							
	5572941	FILTER ASSY.,2-53								1						
	5126275	+ FILTER ASSY.,4-53									1					
	5126276	+ FILTER ASSY.,4-53										1				
	5105075	+ FILTER ASSY.,3-53											1			
	5105058	+ FILTER ASSY.,3-53												1		
		+ NOT SERVICED, SHOWN FOR REFERENCE ONLY.														
4.2250 - ELEMENT, OIL FILTER																
3A	5573014	ELEMENT,6V53 (9") (AC TYPE PF-132) (INCLUDES GASKET IN 4.2300)	1		1		2	1			1	1				
3A	5574978	ELEMENT,3-53 (6") (AC TYPE PF-147) (INCLUDES GASKET IN 4.2300)		1		1							1	1		
3A	5572288	ELEMENT (AC TYPE P-115) (INCLUDES GASKET IN 4.2300)							1							
	5572425	ELEMENT (AC TYPE P-117) (INCLUDES GASKET IN 4.2300)								1						
	5570487	+ SPACER							1							
		+ OBSOLETE.														
4.2280 - SHELL, OIL FILTER																
3A	5574008	SHELL (INCLUDES PLUG)	1		1		2	1		1	1	1				
3A	5574906	SHELL (INCLUDES PLUG)		1		1							1	1		
	5572667	+ SHELL							1							
3A	5570480	PLUG (2.3050) + OBSOLETE	1	1	1	1	2	1		1	1	1				
4.2290 - COVER, OIL FILTER (ADAPTOR)																
3A	5121124	* ADAPTOR (5134908)	1	1												
	5122524	@ ADAPTOR,4-53			1											
	5147684	ADAPTOR,2-3-53				1		1								
3A	5124138	ADAPTOR,8V53					1									
	5134311	ADAPTOR,4-53									1			1		
	5126214	* ADAPTOR,4-53 (5134311)									1					
	5134312	ADAPTOR,3,4-53										1	1			
	5126215	* ADAPTOR,4-53 (5134312)										1				
	5574128	+ COVER,2-53							1							
	5571505	COVER,2-53								1						

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			COLUMN													
FIG	PART NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2290 - COVER, OIL FILTER (ADAPTOR) (CONT'D)														
3A	5571540	TUBE, 4-53 (1 9/16" L)									2					
	5121182	PLUG, 1/4" PIPE (2.4015)	2	2	2	2		2		1	1	1	1	1		
	112578	PLUG, 1/4" BR. PIPE (12.9550)						1		1						
		* NOT SERVICED, USE PART NUMBER SHOWN PLUS (1) 5198303 VALVE KIT.														
		@ NOT SERVICED; USE 5134311 (LH UNITS) OR 5134312 (RH UNITS) PLUS (1) 5198303 VALVE KIT.														
		+ OBSOLETE.														
		4.2300 - GASKET, OIL FILTER COVER														
3A	5571024	GASKET	1	1	1	1	2	1		1	1	1	1	1		
		4.2310 - SPRING, OIL FILTER														
3A	1503518	SPRING								1						
3A	5187308	SPRING	1	1	1	1	2	1			1	1	1	1		
		4.2315 - RETAINER, OIL FILTER SPRING														
3A	5187309	RETAINER	1	1	1	1	2	1			1	1	1	1		
3A	5120602	* RING, RETAINER SNAP	1	1	1	1	2	1			1	1				
	122366	@ NUT, 5/8"-18 (12.9120)	1	1	1	1	2	1			1	1	1	1		
		* THRU 2D-14198, 3D-6234, 4D-8702, 6D-2867.														
		@ EFFECTIVE WITH 2D-14199, 3D-6235, 4D-8703, 6D-2868.														
		4.2330 - GASKET, OIL FILTER COVER NUT														
3A	5187310	GASKET, RETAINER	1	1	1	1	2	1			1	1	1	1		
3A	6437298	GASKET	1	1	1	1	2	1	1	1	1	1	1	1		
	5154538	WASHER (1.8182)	1	1	1	1	2	1			1	1	1	1		
		4.2410 - STUD, OIL FILTER CENTER														
3A	1595893	STUD								1						
3A	5116427	STUD		1		1							1	1		
3A	5120740	STUD	1		1		2	1			1	1				
		4.2485 - VALVE, OIL FILTER BY-PASS														
3A	5133431	VALVE	1	1	1						1	1	1	1		

4.2000A OIL FILTER

			COLUMN													
FIG	PART NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2486 - SPRING, OIL FILTER BY-PASS VALVE														
3A	5134477	SPRING	1	1	1						1	1	1	1		
		4.2488 - PLUG, OIL FILTER BY-PASS VALVE														
	5126686	PLUG					1									
3A	5134456	RETAINER	1	1	1						1	1	1	1		
3A	450865	+ # SCREW, #12-24X3/4" RD. HD. (12.9025)	1	1	1						1	1				
3A	160221	* SCREW, #12-24X1/2" CR. REC. HD. (12.9065)	1	1	1						1	1	1	1		
		+ EARLY ENGINES														
		* LATE ENGINES														
		# NOT SERVICED, USE 160221.														
		4.2489 - GASKET, OIL FILTER BY-PASS VALVE PLUG														
	5575086	GASKET					1									

4.2000A OIL FILTER

PART
FIG NUMBER NAME AND DESCRIPTION

			COLUMN													
			A	B	C	D	E	F	G	H	I	J	K	L	M	N
4.2240 - FILTER ASSY., OIL																
	5126283	@ FILTER ASSY.,3-53	1													
	5126284	@ FILTER ASSY.,3-53		1												
	5196393	FILTER ASSY.,3-53,6V53			1											
	5125384	@ FILTER ASSY.,3-53,6V53				1										
	2325391	FILTER ASSY.,6V53					1									
	5572942	@ FILTER ASSY.,3-53						1								
	5134392	@ FILTER ASSY.							1							
	5136237	@ FILTER ASSY.,3-53								1		1				
	5134408	@ FILTER ASSY.,4-53									1					
	5134393	@ FILTER ASSY.,2-53											1			
		@ SHOWN FOR COMPONENT REFERENCE ONLY.														
4.2250 - ELEMENT, OIL FILTER																
3A	5574978	ELEMENT (8") (AC TYPE PF-147) (INCLUDES GASKETS IN 4.2300)	1	1							1		1			
3A	5573014	ELEMENT (9") (AC TYPE PF-132) (INCLUDES GASKETS IN 4.2300)				1	1		1		1					
3A	5573898	ELEMENT (AC TYPE C-267)					1									
	5572425	ELEMENT (AC TYPE P-117) (INCLUDES GASKETS IN 4.2300)						1								
4.2270 - SPACER, OIL FILTER																
	5570487	+ SPACER + OBSOLETE.						1								
4.2280 - SHELL, OIL FILTER																
3A	5574908	SHELL (INCLUDES PLUG)	1	1						1		1				
3A	5574008	SHELL (INCLUDES PLUG)			1	1			1		1		1			
	5572409	+ SHELL (INCLUDES PLUG)						1								
	5570480	PLUG (2.3050)	1	1	1	1			1		1	1	1			
	5121182	PLUG, 1/4 PIPE (12.9550) + OBSOLETE.						1		1						
4.2290 - COVER, OIL FILTER																
	5126214	* ADAPTOR	1													
	5126215	* ADAPTOR		1												
	5123382	ADAPTOR			1											
	5125383	# ADAPTOR (5147684)				1										
	5574128	+ ADAPTOR (INCLUDES ITEMS IN 4.2310, 4.2320, 4.2330)						1								
	5134908	= ADAPTOR							1			1				
	5109904	# ADAPTOR (5147684)								1						

4.2000A OIL FILTER

PART ..FIG .. NUMBER .. NAME AND DESCRIPTION ..			COLUMN													
			A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2290 - COVER, OIL FILTER (CONT'D)														
3A	5134311	ADAPTOR									1					
	5121182	PLUG, 1/4" PIPE (12.9550)	1	1	1	1			2	2	1	2				
		# NOT SERVICED. FOR REPLACEMENT USE NUMBER SHOWN IN PARENTHESES PLUS (2) 128003 AND (2) 5111798. = NOT SERVICED; USE 5100818 PLUS (1) 5573711 OR USE ELEMENT PACKAGE. + OBSOLETE. * NOT SERVICED. USE 5104419 ADAPTOR, 8921708 GASKET AND EITHER 25010495 OR 25011106 FILTER ELEMENT.														
		4.2300 - GASKET, OIL FILTER COVER														
3A	5571024	GASKET (RECTANGULAR SECTION)	1	1	1	1		1	1	1	1	1				
	5573711	GASKET (SQUARE SECTION)							1			1				
		4.2310 - SPRING, OIL FILTER														
3A	5187308	SPRING	1	1	1	1			1	1	1	1				
	5574129	+ SPRING						1								
		+ OBSOLETE.														
		4.2315 - RETAINER, OIL FILTER SPRING														
3A	5187309	RETAINER	1	1	1	1			1	1	1	1				
3A	5120602	* RETAINER (SNAP RING) (2.4227)	1	1	1	1										
	122366	@ NUT, 5/8"-18 (12.9120)	1	1	1	1			1	1	1	1				
		* THRU 2D-14198, 3D-6234, 4D-8702, 6D-2867. @ EFFECTIVE WITH 2D-14199, 3D-6235, 4D-8703, 6D-2868.														
		4.2330 - GASKET, OIL FILTER COVER NUT														
3A	5187310	GASKET, RETAINER	1	1	1	1			1	1	1	1				
3A	6437298	GASKET	1	1	1	1		1	1	1	1	1				
	5154538	WASHER (1.8182)	1	1	1	1			1		1	1				
		4.2350 - GASKET, OIL FILTER ADAPTOR														
	5574127	+ BOLT, LOCK						1								
		+ OBSOLETE.														
		4.2410 - STUD, OIL FILTER CENTER														
3A	5116427	STUD	1	1						1		1				
3A	5120740	STUD			1	1			1		1					
	1595893	STUD						1								

4.2000A OIL FILTER

PART			COLUMN													
..FIG ..	NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N
4.2485 - VALVE, OIL FILTER BYPASS																
A VALVE KIT INCLUDES ITEMS IN 4.2485, 4.2486 AND 4.2488.																
3A	5198303	VALVE KIT			1				1		1	1				
	5133431	VALVE	1	1	1				1		1	1				
4.2486 - SPRING, OIL FILTER BYPASS VALVE																
3A	5133594	SPRING			1											
3A	5134477	SPRING	1	1					1		1	1				
4.2488 - PLUG, OIL FILTER BYPASS VALVE																
3A	5126686	PLUG			1											
	5134456	RETAINER	1	1					1		1	1				
3A	160221	SCREW, #12-24X1/2" CR. REC. HD. (12.9026)	1	1					1		1	1				
4.2489 - GASKET, OIL FILTER BYPASS PLUG																
	5575086	GASKET			1											

4.2000A OIL FILTER

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

COLUMN

		A	B	C	D	E	F	G	H	I	J	K	L	M	N
	4.2240 - FILTER ASSY., OIL														
	5137659 * FILTER ASSY., 6,8V53	1													
	5134408 * FILTER ASSY., 4-53		1												
	5133313 * FILTER ASSY., 6V53			1											
	5136524 FILTER ASSY., 8V53				1										
	5124065 FILTER ASSY., 8V53					1									
	5199700 * FILTER ASSY., 3-53						1								
	5147683 FILTER ASSY., 4-53, 6, 8V53							1							
	5100800 FILTER ASSY., 4-53, 6, 8V53								1						
	5100758 FILTER ASSY., 3-53									1					
	5100757 FILTER ASSY., 2, 3-53										1				
	5107009 FILTER ASSY., 6V53											1			
	5100759 * FILTER ASSY., 6V53												1		
	5104201 FILTER ASSY., 4-53													1	
	* NOT SERVICED, SHOWN FOR COMPONENT REFERENCE ONLY.														
	4.2250 - ELEMENT, OIL FILTER														
3A	5573014 ELEMENT (9") (AC TYPE PF-132) (INCLUDES GASKETS IN 4.2300)	1	1	1	2	2		1	1			1	1	1	
	5574978 ELEMENT (6") (AC TYPE PF-147) (INCLUDES GASKETS IN 4.2300)						1			1	1				
	4.2280 - SHELL, OIL FILTER														
3A	5574008 SHELL (INCLUDES PLUG)	1	1	1	1	2		1	1			1	1	1	
	5574906 SHELL (INCLUDES PLUG)						1			1	1				
	5570480 PLUG (2.3050)	1	1	1	1	2	1	1	1	1	1	1	1	1	
	5573162 % DECAL				2				1						
	5575213 % DECAL									1	1				
	% OBSOLETE.														
	4.2290 - COVER, OIL FILTER														
	5137651 # ADAPTOR	1													
	5134312 ADAPTOR		1												
	5147684 ADAPTOR (INCLUDES INSERT)			1				1							
	5124065 ADAPTOR				1										
	5136347 ADAPTOR					1									
	5134908 = ADAPTOR (INCLUDES INSERT)						1								
	5100818 ADAPTOR (INCLUDES INSERT)								1	1	1		1		
	5123382 ADAPTOR											1			
3A	5104246 * ADAPTOR														
	5121182 PLUG, 1/4" PIPE (2.4015)		1		2	2	2	2	2	2	2	1	2	1	
	454557 INSERT, TAP 5/8"-18X1/8"			1			1	1	1	1	1				
	# NOT SERVICED; USE 5147684 PLUS (2) 5111798 AND (2) 128003.														
	= NOT SERVICED; USE 5100818 PLUS (1) 5573711 OR USE ELEMENT PACKAGE.														
	* NOT SERVICED; USE 5104419 PLUS (1) 8921708 AND (1) 25010495.														

DETROIT DIESEL

53 MPC ENGINES

4.2000A OIL FILTER

PART			COLUMN													
FIG	NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N
4.2300 - GASKET, OIL FILTER COVER																
3A	5571024	GASKET (RECTANGULAR SECTION)	1	1	1	1	2	1	1				1		1	
	5573711	GASKET (SQUARE SECTION)								1	1	1		1		
4.2310 - SPRING, OIL FILTER																
3A	5187308	SPRING	1	1	1	2	2	1	1	1	1	1	1	1	1	
4.2315 - RETAINER, OIL FILTER SPRING																
3A	5187309	RETAINER	1	1	1	2	2	1	1	1	1	1	1	1	1	
	122366	NUT, 5/16"-18 (12.9120)	1	1	1	2	2	1	1	1	1	1	1	1		
	114498	NUT, 5/16"-18 (12.9120)													1	
4.2330 - GASKET, OIL FILTER COVER NUT																
3A	5187310	GASKET, RETAINER	1	1	1	2	2	1	1	1	1	1	1	1	1	
3A	6437298	GASKET	1	1	1	2	2	1	1	1	1	1	1	1	1	
	5154538	WASHER (1.8182)	1	1	1	2	2	1	1	1	1	1	1	1	1	
4.2410 - STUD, OIL FILTER CENTER																
3A	5120740	STUD	1	1	1	2	2		1	1	1		1	1	1	
	5116427	STUD						1				1				
4.2485 - VALVE, OIL FILTER BY-PASS																
A VALVE KIT INCLUDES ITEMS IN 4.2485, 4.2486 AND 4.2488.																
3A	5198303	VALVE KIT		1			1	1		1	1	1	1	1	1	
	5133431	VALVE		1			1	1		1	1	1	1	1	1	
	5136358	VALVE (4.4110)			1											
4.2486 - SPRING, OIL FILTER BY-PASS VALVE																
3A	5134477	SPRING		1				1		1	1			1	1	
	5137984	SPRING			1											
	5133594	SPRING					1						1			
4.2488 - PLUG, OIL FILTER BY-PASS VALVE																
3A	5134456	RETAINER		1				1		1	1	1		1	1	
3A	160221	SCREW, #12-24X1/2" CR. REC. HD. (12.9065)		1				1		1	1	1		1	1	

4.2000A OIL FILTER

PART
 .FIG . . . NUMBER NAME AND DESCRIPTION

4.2488 - PLUG, OIL FILTER BY-PASS VALVE
 (CONT'D)

5134807 PLUG (4.4160)
 5126686 PLUG

4.2489 - GASKET, OIL FILTER BY-PASS PLUG

5134920 GASKET
 5575086 GASKET

COLUMN													
A	B	C	D	E	F	G	H	I	J	K	L	M	N
			1	1						1			
			1				1	1	1		1		

4.3000A OIL FILTER LINES

PART		NAME AND DESCRIPTION	TYPES											
FIG	NUMBER		7 8	7 9	8 9	9 2	9 3	9 5	9 8	1 0 2	1 0 5	1 0 8	1 1 0	1 1 4
4.3001 - TUBE, OIL FILTER INLET														
10A	5122632	+ TUBE,3-53	1											
10A	5122678	TUBE,3-53		1										
10A	5122415	= HOSE ASSY.,2-53(3/8" I.D.X15" L.)			1									
10A	5174867	HOSE ASSY.,2-53(3/8" I.D.X24" L.) (4.7100)						1						
	5120684	HOSE ASSY.,6V53(5/8" I.D.X 17 3/4" L.) (3.5505)				1				1				
10A	5177697	HOSE ASSY.,6V53(5/8" I.D.X 20 5/8" L.) (8.3810)										1		
10A	5120029	HOSE ASSY.,6V53 (5/8" I.D.X36" L.) (3.5505)									1			
10A	5110932	HOSE ASSY.,6V53 (7/8" I.D.X 43 1/2" L.)											1	
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)											1	
	5176528	RING, SEAL 3/8" TUBE SEALASTIC (12.9435)	2	2										
	5176705	ELBOW (AT FILTER) (8.3800)			1					1	1	1		
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)						1						
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)						1						
	140798	ELBOW, 3/4" STREET 45 DEG. (12.9590)	1	1										
	141621	ELBOW, 3/4" STREET 90 DEG. (12.9590)			1						1	2		
	5138301	ELBOW ASSY., 3/4" TUBE SEALASTIC 90 DEG. (12.9425)	1	1										
	108687	ELBOW, 1" STREET 90 DEG. (12.9590)											1	
	217986	ELBOW, 1"X3/4" PIPE RED. 90 DEG. (12.9600)											1	
	5138308	NIPPLE ASSY., 3/8" TUBE SEALASTIC (12.9415)	1	1										
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			2									
	8924208	CONNECTOR, 1 5/16"X1" PIPE TAP (9.1720)											1	
		= NOT SERVICED; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		+ OBSOLETE.												
4.3020 - TUBE, OIL FILTER OUTLET														
10A	5122633	TUBE,3-53	1											
10A	5122679	TUBE,3-53		1										
10A	3248643	HOSE ASSY.,2-53 (3/8" I.D.X18" L.) (4.7100)			1			1						
	5120684	HOSE ASSY.,6V53 (5/8" I.D.X 17 3/4" L.)								1				
	5176698	HOSE ASSY., 6,8V53 (5/8" I.D.X23 5/8" L.) (8.3810)				1						1		

4.3000A OIL FILTER LINES

PART ..FIG .. NUMBER .. NAME AND DESCRIPTION ..			TYPES											
			7 8	7 9	8 9	9 2	9 3	9 5	9 8	1 0 2	1 0 5	1 0 8	1 1 0	1 1 4
4.3020 - TUBE, OIL FILTER OUTLET (CONT'D)														
10A	5120028	HOSE ASSY., 6V53 (5/8" I.D. X 41 1/2" L.)									1			
10A	5177649	HOSE ASSY., 6V53 (7/8" I.D. X 38 3/32" L.) (9.1720)											1	
	144613	NIPPLE, 3/4" X 1 3/8" PIPE (12.9560)											1	
	5176528	RING, SEAL 3/4" TUBE SEALASTIC (12.9435)	2	2										
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)			1			2						
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1									
	140798	ELBOW, 3/4" STREET 45 DEG. (12.9590)	1	1						1				
	141621	ELBOW, 3/4" STREET 90 DEG. (IN ADAPTOR) (12.9590)				1					1	2		
	5138301	ELBOW ASSY., 3/4" TUBE SEALASTIC 90 DEG. (12.9425)	2	2										
	108687	ELBOW, 1" STREET 90 DEG. (12.9590)											1	
	217986	ELBOW, 1" X 3/4" PIPE RED. 90 DEG. (12.9600)											1	
	5176705	ELBOW (AT FILTER) (8.3800)				1				1	1	1		
	5138308	NIPPLE ASSY., 3/8" TUBE SEALASTIC (12.9415)	1	1										
	8924208	CONNECTOR (1 5/16" X 1" PIPE TAP) (9.1720)											1	
4.3025 - ADAPTOR, OIL FILTER TUBE-REMOTE MOUNTED FILTER														
10A	5121499	@ ADAPTOR, 3-53	1	1										
	5128438	+ ADAPTOR, 6, 8V53 (AT FILTER)				1						1		
10A	5127827	# ADAPTOR, 6, 8V53 (AT BLOCK)				1	1			1	1	1	1	
	5134304	ADAPTOR, 6V53 (AT BLOCK)												1
10A	5134303	ADAPTOR, 3, 4-53								1				
	5121182	PLUG, 1/4" PIPE (2.4015)												1
10A	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)	4	4		4	4		4	4	4	4		4
	454906	* BOLT, 3/8"-16 X 1 1/2" (12.9001)								4				4
	103341	WASHER, 3/8" (12.9190)												4
	103321	LOCKWASHER, 3/8" (12.9200)	4	4		4	4		4	8	4	4	AR	8
@ NOT SERVICED; WHEN REPLACEMENT IS REQUIRED CONVERT TO DIRECT MOUNTED OIL FILTER, 4.2000A, TYPE 155 (LD EN GINE) OR TYPE 156 (RB ENGINE).														
# NOT SERVICED. USE 5134302 PLUS 5198303 VALVE KIT (4.2485).														

4.3000A OIL FILTER LINES

PART ..FIG .. NUMBER ..			NAME AND DESCRIPTION			TYPES.....									
			7 8	7 9	8 9	9 2	9 3	9 5	9 8	1 0 2	1 0 5	1 0 8	1 1 0	1 1 4	
4.3025 - ADAPTOR, OIL FILTER TUBE (TO OIL COOLER ADAPTOR) (CONT'D)															
* USE 186622 BOLT FOR LATE DESIGN ADAPTOR WITH .600" THICK BOLT FLANGE.															
+ OBSOLETE															
4.3027 - GASKET, OIL FILTER TUBE ADAPTOR															
5121205 GASKET,3.4-53 (4.2350)			1	1					1						
5128039 GASKET,6.8V53 (4.2350)						1	1			1	1	1	1		
5133263 GASKET,6V53														1	
4.3045 - CLIP, OIL FILTER TUBE															
10A	5181415	CLIP,6.8V53 (5.5390)												2	
10A	5151189	CLIP,2.3-53 (3/4" TUBE) (4.8040)	2	1				1							
10A	5186803	CLIP,3-53,6V53 (3/4" TUBE) (7.7380)		1											
10A	5165244	CLIP,4-53,6V53 (7/8" TUBE) (4.8040)									2	2			
10A	5169317	+ CLIP,6V53 (7/8" TUBE) (4.8040)									1				
10A	5177001	CLIP,6V53 (7/8" TUBE) (8.3801)									1				
10A	179816	BOLT, 5/16"-18X3/4" (12.9001)									1				
10A	186629	BOLT, 5/16"-18X1" (12.9001)										1			
10A	179839	BOLT, 3/8"-16X1" (12.9001)	1	1											
10A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)												1	
	120393	WASHER, 5/16" (12.9190)									1	1			
	103320	LOCKWASHER, 5/16" (12.9200)									1	1			
	103321	LOCKWASHER, 3/8" (12.9200)	1	1										1	
10A	120376	NUT, 5/16"-18 (12.9120)									1	1			
10A	102635	NUT, 3/8"-16 (12.9120)	1	1										1	
+ NOT SERVICED. USE ONE (1) EACH OF 5140903 AND 120393.															
4.3050 - BRACKET, OIL FILTER TUBE CLIP															
5176400 BRACKET,3-53 (MOUNTS UNDER FLYWHEEL HOUSING ADAPTOR BOLT) (4.8010)			1	1											
5155464 BRACKET,6V53 (7.1582)												1			
5181325 BRACKET,6V53 (4.8042)														1	
179822 BOLT, 5/16"-18X1 1/2" (12.9001)														1	
103320 LOCKWASHER, 5/16" (12.9200)														1	
4.3055 - VALVE, OIL FILTER TUBE ADAPTOR BY-PASS															
5575088 VALVE (4.2485)						1	1			1	1	1	1		
5133431 # VALVE (4.2485)									1						1
# PART OF VALVE KIT 5198303															

4.3000A OIL FILTER LINES

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION												
		7 8	7 9	8 9	9 2	9 3	9 5	9 8	1 0 2	1 0 5	1 0 8	1 1 0	1 1 4	
	4.3057 - SPRING, OIL FILTER TUBE ADAPTOR BY-PASS VALVE													
5575680	SPRING (4.2486)				1	1			1	1	1	1		
5134477	# SPRING (4.2486)							1					1	
	# PART OF 5198303 VALVE KIT (4.2485).													
	4.3060 - RETAINER, OIL FILTER TUBE ADAPTOR BY-PASS SPRING													
5574736	RETAINER (4.2488)				1	1			1	1	1	1		
5134456	# RETAINER (4.2488)							1					1	
450865	= # + SCREW, #12-24X3/4 (12.9065)				1	1		1	1	1	1	1	1	
160221	# * SCREW, #12-24X1/2" CR. REC. HD. (12.9065)				1	1		1	1	1	1	1	1	
	# PART OF 5198303 VALVE KIT (4.2485).													
	+ EARLY ENGINES													
	* LATE ENGINES													
	= NOT SERVICED, USE 160221.													

4.3000A OIL FILTER LINES

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	1 1 9	1 2 2	1 2 4	1 2 5	1 2 8	1 3 1	1 3 2	1 3 3	1 3 5	1 3 8	1 3 9	1 4 0
4.3001 - TUBE, OIL FILTER INLET														
	5176698	HOSE ASSY.,8V53 (5/8" I.D.X 23 5/8" L.)											1	
	5112421	HOSE ASSY.,8V53 (5/8" I.D.X27" L.) (3.5505)	1											
10A	5138048	HOSE ASSY.,4-53 (5/8" I.D.X35" L.)									1			
	5120029	HOSE ASSY.,6V53 (5/8" I.D.X36" L.) (3.5505)		1										
	5126788	HOSE ASSY.,6V53 (7/8" I.D.X 23 1/2" L.)								1				
	5177502	HOSE ASSY.,6V53 (7/8" I.D.X 28 1/2" L.)					1							
	5137686	HOSE ASSY.,8V53 (7/8" I.D.X32" L.)											1	
	5176705	ELBOW (AT FILTER) (8.3800)	1	1		2						1		
	141621	ELBOW, 3/4" STREET 90 DEG. (12.9590)	1	2							1	1		
	108687	ELBOW, 1" STREET 90 DEG. (12.9590)					1							
	5177664	CONNECTOR, 1" FL. TUBE									2			
	8924207	CONNECTOR, 1" FL. TUBE (4.4330)					1							
	8924208	CONNECTOR, 1 5/16"X1" PIPE TAP (9.1720)								1			1	
4.3020 - TUBE, OIL FILTER OUTLET														
	5176698	HOSE ASSY.,6,8V53 (5/8" I.D.X 23 5/8" L.) (8.3810)	1											
	5112421	HOSE ASSY.,8V53 (5/8" I.D.X27" L.)										1		
	5178023	HOSE ASSY.,3-53 (5/8" I.D.X 29 1/2" L.)				2	2							
	5120029	HOSE ASSY.,8V53 (5/8" I.D.X36" L.) (3.5505)		1										
	5138319	HOSE ASSY.,4-53 (5/8" I.D.X40" L.)									1			
	5137643	+ HOSE ASSY.,6V53 (7/8" I.D.X2" L.)					1							
	5186232	HOSE ASSY.,6V53 (7/8" I.D.X 23 1/2" L.)								1				
	5132281	HOSE ASSY.,8V53 (7/8" I.D.X 33 1/2" L.)											1	
	141621	ELBOW, 3/4" STREET 90 DEG. (12.9590)	1		2	2					1	1		
	108687	ELBOW, 1" STREET 90 DEG. (12.9590)					1							
	5176705	ELBOW (AT FILTER) (8.3800)	1		2							1		
	5177664	CONNECTOR, 3/4" PIPE		1							2			
	8924207	CONNECTOR, 1" FL. TUBE (4.4330)					1							
	8924208	CONNECTOR (1 5/16"X1" PIPE TAP) (9.1720)								1			1	
		+ OBSOLETE.												
4.3025 - ADAPTOR, OIL FILTER TUBE-REMOTE MOUNTED FILTER														
	5128438	* ADAPTOR,6,8V53 (AT FILTER)	1	1									1	
10A	5127827	@ ADAPTOR,6,8V53 (AT BLOCK)	1											
10A	5134303	ADAPTOR,3,4-53									1			

4.3000A OIL FILTER LINES

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	1 1 9	1 2 2	1 2 4	1 2 5	1 2 8	1 3 1	1 3 2	1 3 3	1 3 5	1 3 8	1 3 9	1 4 0
		4.3025 - ADAPTOR, OIL FILTER TUBE (TO OIL COOLER ADAPTOR) (CONT'D)												
	5134302	ADAPTOR, 6.8V53 (AT BLOCK) (90 DEG.)		1			1		1	1		1	1	
	5136287	* ADAPTOR ASSY., 3-53			1	1								
	5134303	ADAPTOR, 4-53 (AT COOLER)					1							1
10A	5115214	PLUG, 1/4" PIPE				1								
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4	4	4	4	4	4			4			4
	454906	# BOLT, 3/8"-16X1 1/2" (12.9001)							4	4		4	4	
	5157244	BOLT, 3/8"-16X1 3/4"		2										
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)										4		
	103321	LOCKWASHER, 3/8" (12.9200)	4	6	4	4	4	4	4	4	4	8	4	4
	102635	NUT, 3/8"-16 (12.9120)										4		
		© NOT SERVICED. USE 5134302 PLUS 5198303 VALVE KIT (4.2485).												
		# USE 186622 BOLT FOR LATE DESIGN ADAPTOR WITH .600" THICK BOLT FLANGE.												
		* OBSOLETE												
		4.3027 - GASKET, OIL FILTER TUBE ADAPTOR												
	5121205	GASKET, 3, 4-53 (4.2350)			1	1		1			1			1
	5128039	GASKET, 6.8V53 (4.2350)	1	1										
	5137549	GASKET, 6V53 (4.2350)					1		1	1		1	1	
		4.3045 - CLIP, OIL FILTER TUBE												
	5187661	CLIP, 6V53 (4.8183)								1				
	5124227	CLIP, 4-53									2			
10A	5186803	CLIP, 3-53, 6V53 (3/4" TUBE) (7.7380)					2							
	5165244	CLIP, 4-53, 6V53 (7/8" TUBE) (4.8040)									2			
	5174091	CLIP, 8V53 (7/8" TUBE)		2										
	5183247	CLIP, 8V53 (1" TUBE X 1/2" BOLT) (8.3801)	2									2	2	
	5182874	= CLIP, 8V53 (1" TUBE X 5/8" BOLT)	2											
	5184291	CLIP, 6V53 (1 1/4" TUBE)					2							
10A	186629	BOLT, 5/16"-18X1" (12.9001)									2			
10A	179839	BOLT, 3/8"-16X1" (12.9001)								1			1	
	186627	BOLT, 3/8"-24X1" (12.9001)					1							
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)					1							
	106340	BOLT, 1/2"-12X7/8" (12.9001)		1										
	122408	BOLT, 1/2"-13X1" (12.9001)	2									2		
	428204	BOLT, 5/8"-11X1" (12.9001)	1											
	103341	WASHER, 3/8" (12.9190)					1			1			1	
	103343	WASHER, 1/2" (12.9190)	2									2		
	103345	WASHER, 5/8" (12.9190)	1											

4.3000A OIL FILTER LINES

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	1 9	1 2 2	1 2 4	1 2 5	1 2 8	1 3 1	1 3 2	1 3 3	1 3 5	1 3 8	1 3 9	1 4 0
		4.3045 - CLIP, OIL FILTER TUBE (CONT'D)												
	103320	LOCKWASHER, 5/16" (12.9200)									2			
	103321	LOCKWASHER, 3/8" (12.9200)					2			1			1	
	103323	LOCKWASHER, 1/2" (12.9200)		1										
10A	120376	NUT, 5/16"-18 (12.9120)									2			
10A	102635	NUT, 3/8"-16 (12.9120)								1			1	
	117049	NUT, 3/8"-24 (12.9120)					2							
		= REQUIRED IN PLACE OF 5183247 CLIP FOR SOME APPLICATIONS.												
		4.3050 - BRACKET, OIL FILTER TUBE CLIP												
	5155464	BRACKET, 6V53 (7.1582)					1							
	5173022	BRACKET, 6V53					1							
	5131549	BRACKET, 4-53									2			
	5124780	BRACKET, 6, 8V53											1	
	103341	WASHER, 3/8" (12.9190)								1			1	
	179839	BOLT, 3/8"-16X1" (12.9001)								1				
	103321	LOCKWASHER, 3/8" (12.9200)								1				
		4.3055 - VALVE, OIL FILTER TUBE ADAPTOR BY-PASS												
	5133431	# VALVE			1		1	1	1	1	1		1	1
		# PART OF VALVE KIT 5198303 (4.2485).												
		4.3057 - SPRING, OIL FILTER TUBE ADAPTOR BY-PASS VALVE												
	5575680	SPRING (4.2486)	1											
	5134477	# SPRING (4.2486)			1	1	1	1	1	1	1		1	1
		# PART OF 5198303 VALVE KIT (4.2485).												
		4.3060 - RETAINER, OIL FILTER TUBE ADAPTOR BY-PASS SPRING												
	5574736	RETAINER (4.2488)	1											
	5134456	# RETAINER (4.2488)			1	1	1	1	1	1	1		1	1
	450865	= # + SCREW, #12-24X3/4 (12.9065)	1		1	1	1	1	1	1	1		1	1
	160221	# * SCREW, #12-24X1/2" CR. REC. HD. (12.9065)	1		1	1	1	1	1	1	1		1	1
		# PART OF 5198303 VALVE KIT (4.2485).												

4.3000A OIL FILTER LINES

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	1 1 9	1 2 2	1 2 4	1 2 5	1 2 8	1 3 1	1 3 2	1 3 3	1 3 5	1 3 8	1 3 9	1 4 0
	4.3060	RETAINER, OIL FILTER TUBE ADAPTOR BY-PASS SPRING (CONT'D)												
		+ EARLY ENGINES												
		* LATE ENGINES												
		= NOT SERVICED, USE 160221.												

4.3000A OIL FILTER LINES

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	1 4 1	1 4 2	1 4 3	1 4 4	1 4 5	1 4 6	1 4 9	1 5 5	1 5 7	1 6 0	1 6 2	1 6 7
4.3001 - TUBE, OIL FILTER INLET														
	5147585	HOSE ASSY.,6V53 (#16X17"L.) (TEFLON)												1
10A	5144728	HOSE ASSY.,6V53 (#16X23 1/2"L.) (TEFLON)											1	
	5122417	HOSE ASSY.,3-53 (5/8"I.D.X21"L.) (9.9630)	1											
	5111112	# HOSE ASSY.,3-53 (5/8"I.D.X31"L.) (8.3820)				1								
	5138375	HOSE ASSY.,6V53 (7/8"I.D.X 18 1/2" L.) (4.3020)										1		
	5137686	HOSE ASSY.,6,8V53 (7/8"I.D.X32"L.)					1	1	1					
	5137869	HOSE ASSY.,6V53 (7/8"I.D.X 40 1/2" L.)	1		1									
	5110932	HOSE ASSY.,6V53 (7/8"I.D.X 43 1/2" L.) (4.3020)		1										
	5185930	HOSE, FLEX.,3,4-53 (27 1/2") (12.4375)								1	1			
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)		1										
	140798	ELBOW, 3/4" STREET 45 DEG. (12.9590)	1			1				1				
	141621	ELBOW, 3/4" STREET 90 DEG. (12.9590)	1			1				1	2		1	
	144116	ELBOW, 1" STREET 45 DEG. (12.9590)												
	108687	ELBOW, 1" STREET 90 DEG. (12.9590)	1		2		2	4					1	
	217986	ELBOW, 1"X3/4" PIPE RED. 90 DEG. (12.9600)				1			1					
	5177664	CONNECTOR, 3/4" PIPE (8.3800)	2			2					1			
	8924208	CONNECTOR, 1 5/16"X1"PIPE TAP (9.1720)		1	1				1			1		
	9402713	CONNECTOR, 1 5/16"-12X1 1/2" PIPE (12.9380)											2	2
	5111798	PLUG, 1" PIPE (12.9550) # NOT SERVICED; USE 5199578 HOSE, (2) 5144522 FITTINGS AND (2) 2488023 CLIPS.					1							
4.3020 - TUBE, OIL FILTER OUTLET														
10A	5144727	HOSE ASSY.,6V53 (#16X18 1/2"L.) (TEFLON)											1	
	5147586	HOSE ASSY.,6V53 (#16X22"L.) (4.4355)												1
	5120510	HOSE ASSY.,3-53 (5/8"I.D.X 23 1/2" L.) (3.5505)				1				1				
	5138048	HOSE ASSY.,3-53 (5/8"I.D.X35"L.)	1											
	5120028	HOSE ASSY.,4-53 (5/8"I.D.X 41 1/2" L.) (3.5505)									1			
	5118467	HOSE ASSY.,6V53 (7/8"I.D.X 14 1/4" L.) (9.1720)												
	5137686	HOSE ASSY., 6,8V53 (7/8" I.D.X32"L.) (4.3001)							1					

4.3000A OIL FILTER LINES

PART			TYPES											
.FIG	NUMBER	NAME AND DESCRIPTION	1 4 1	1 4 2	1 4 3	1 4 4	1 4 5	1 4 6	1 4 9	1 5 5	1 5 7	1 6 0	1 6 2	1 6 7
		4.3020 - TUBE, OIL FILTER OUTLET (CONT'D)												
	5132281	HOSE ASSY., 8V53 (7/8" I.D. X 33 1/2" L.)					1	1						
	5177649	HOSE ASSY., 6V53 (7/8" I.D. X 38 3/32" L.) (9.1720)		1	1									
	144613	NIPPLE, 3/4" X 1 3/8" PIPE (12.9560)		1										
	140798	ELBOW, 3/4" STREET 45 DEG. (12.9590)	1											
	141621	ELBOW, 3/4" STREET 90 DEG. (IN ADAPTOR) (12.9590)	2			2			2		1			
	108687	ELBOW, 1" STREET 90 DEG. (12.9590)		1	1		1	1	1					
	217986	ELBOW, 1" X 3/4" PIPE RED. 90 DEG. (12.9600)		1										
	5176705	ELBOW (AT FILTER) (8.3800)								2	2			
	5177664	CONNECTOR, 3/4" PIPE (8.3800)	2			2				1				
	8924208	CONNECTOR, 1 5/16" X 1" PIPE TAP (9.1720)		1	1		1	1	1			1		
	9402713	CONNECTOR, 1 5/16"-12X1 1/2" PIPE (12.9380)											2	2
	5142470	TUBING WRAP (7.7020)												1
	5111798	PLUG, 1" PIPE (12.9550)					1							
		4.3025 - ADAPTOR, OIL FILTER TUBE-REMOTE MOUNTED FILTER												
	5134303	ADAPTOR, 3-53, 6V53 (TO BLOCK)	1			1				1	1			
	5128438	* ADAPTOR, 6V53 (TO BLOCK)		1										
	5134304	ADAPTOR, 6, 8V53 (TO BLOCK)			1		1	1	1					
	5134302	ADAPTOR, 6V53 (TO BLOCK)										1	1	1
10A	5147341	SPACER (4.2290)												
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4		4			4	4	4	4	4	4	
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)		4		4	4							
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)												4
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
		* OBSOLETE.												
		4.3027 - GASKET, OIL FILTER TUBE ADAPTOR REMOTE MOUNTED FILTER												
	5121205	GASKET, 3-53, 6V53 (4.2350)	1			1				1	1			
	5137549	GASKET, 6V53 (4.2350)		1								1	1	1
	5133263	GASKET, 6, 8V53			1		1	1	1					
		4.3045 - CLIP, OIL FILTER LINE												
	5124227	CLIP, 3-53 (5.2165)	1											
10A	5165244	CLIP, 3, 4-53 (7/8" TUBE) (4.8040)	2				3			2	3			
10A	5181415	CLIP, 6V53 (5.5390)		2	2	2								
	5144934	CLIP, #16 HOSE 6V53 (TEFLON COATED) (4.4330)												1
	5144977	CLAMP, #16 HOSE 6V53 (TEFLON COATED) (4.8183)											2	

4.3000A OIL FILTER LINES

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	1 4 1	1 4 2	1 4 3	1 4 4	1 4 5	1 4 6	1 4 9	1 5 5	1 5 7	1 6 0	1 6 2	1 6 7
		4.3045 - CLIP, OIL FILTER TUBE (CONT'D)												
	181596	BOLT, 5/16"-24X7/8" (12.9001)					3			2	3			
	179839	BOLT, 3/8"-16X1" (12.9001)											1	
10A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		1	1	1								
	181361	BOLT, 3/8"-24X7/8" (12.9001)												1
	120393	WASHER, 5/16" (12.9190)					3			2	3			
	103341	WASHER, 3/8" (12.9190)											1	
	103320	LOCKWASHER, 5/16" (12.9200)					AR			AR	AR			
	103321	LOCKWASHER, 3/8" (12.9200)		1	1	1							1	1
	114493	NUT, 5/16"-24 (12.9120)					3			2	3			
10A	102635	NUT, 3/8"-16 (12.9120)		1	1	1							1	
	117049	NUT, 3/8"-24 (12.9120)												1
		4.3050 - BRACKET, OIL FILTER TUBE CLIP												
	5181325	BRACKET (4.8042)		1	1									
	5173022	BRACKET (5.5379)					3			2	3			
	5124780	BRACKET (4.1510)											1	
	5126358	BRACKET (4.6040)												1
	186629	BOLT, 5/16"-18X1" (12.9001)					3			2				
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)		1	1	1								
	179839	BOLT, 3/8"-16X1" (12.9001)											1	
	120393	WASHER, 5/16" (12.9190)					3			2				
	103341	WASHER, 3/8" (12.9190)											1	
	103320	LOCKWASHER, 5/16" (12.9200)		AR	AR	AR	AR			AR				
	103321	LOCKWASHER, 3/8" (12.9200)											1	
		4.3055 - VALVE, OIL FILTER TUBE ADAPTOR BY-PASS												
	5133431	# VALVE (4.2485)	1	1	1	1	1	1	1	1	1	1	1	1
		# PART OF 5198303 VALVE KIT (4.2485).												
		4.3057 - SPRING, OIL FILTER TUBE ADAPTOR BY-PASS VALVE												
	5134477	# SPRING (4.2486)	1	1	1	1	1	1	1	1	1	1	1	1
		# PART OF 5198303 VALVE KIT (4.2485).												
		4.3060 - RETAINER, OIL FILTER TUBE ADAPTOR BY-PASS VALVE SPRING												
	5134456	# RETAINER (4.2488)	1	1	1	1	1	1	1	1	1	1	1	1
	450865	# =+ SCREW, #12-24 X 3/4 RD. HD. (12.9065)	1	1	1	1	1	1	1	1	1	1	1	1
	160221	# * SCREW, #12-24X1/2" CR. REC. HD. (12.9065)	1	1	1	1	1	1	1	1	1	1	1	1

53 M P C E N G I N E S

[illegible]

PART OF 5198303 VALVE KIT (4.2485).
+ EARLY ENGINES
* LATE ENGINES
= NOT SERVICED, USE 160221.

[illegible]

4.3000A OIL FILTER LINES

PART		TYPES													
..FIG ..	NUMBER	NAME AND DESCRIPTION	1 8 9	1 7 5	1 7 7	1 7 9	1 8 0	1 8 1	1 8 2	1 8 3	1 8 4	1 8 5	1 8 8	1 8 9	1 9 1
4.3001 - TUBE, OIL FILTER INLET															
5199722	+	HOSE, BULK #16 (CUT L. 16") (12.8550)		1											
5199722	+	HOSE, BULK #16 (CUT L. 35") (12.8550)			1				1			1			
5147585		HOSE ASSY., 6V53 (#16 X 17" L.) (TEFLON)				1									
5120510		HOSE ASSY., 5/8"X31" L. (3.5505)								1					
5144728		HOSE ASSY., 6V53 (#16 X 23 1/2") (TEFLON)						1							
5120028		HOSE ASSY., 5/8"X41 1/2" (3.5505)									1				
5125788		HOSE ASSY., 6V53 (7/8" I.D. X 23 1/2") (9.1720)					1								
5199727		FITTING HOSE (12.8552)		2	1				1				1		
5197729		FITTING HOSE (12.8552)			1				1				1		
8924208		CONNECTOR, 1 5/16" X 1" PIPE TAP (9.1720)					1								
144045		BUSHING, 1/2"X1/4" RED (12.9570)		1											
144061		BUSHING, 1"X1/2" RED (12.9570)		1											
128003		BUSHING, 1"X3/4" RED (12.9570)								1	1	1			1
444040		ELBOW, 1/4"-18 STREET 90 DEG. (12.9590)		1											
9402869		ELBOW, 1" FL. TUBE 90 DEG. (12.9390)		2	1				1				1		1
2492119		ELBOW, 3/4" X 1" PIPE 90 DEG. (4.4330)			1				1		1	1			1
5176705		ELBOW, 3/4"-90 DEG. (8.3800)								1	1				
5121182		PLUG, 1/4" PIPE (2.4015)		1											
		+ BULK HOSE, CUT TO LENGTH SHOWN.													
4.3020 - TUBE, OIL FILTER OUTLET															
5115783		HOSE ASSY., 6V53 (7/8" I.D. X 42 1/2" L.)	1												
5199722		HOSE, BULK #16 (CUT L. 16") (12.8550)		1											
5199722		HOSE, BULK #16 (CUT L. 35") (12.8550)			1					1			2		
5147586		HOSE ASSY., 6V53 (#16 X 22" L.) (4.4355)				1									
5185930		HOSE ASSY., 5/8"X27 1/2" (12.4375)									1	1			
5144727		HOSE ASSY., 6V53 (#16 X 18 1/2")						1							
5186232		HOSE ASSY., 6V53 (7/8" X 18 1/2")					1								
5199727		FITTING HOSE (12.8552)		2	1				1				2		
5199729		FITTING HOSE (12.8552)			1				1				2		
144061		BUSHING, 1"X1/2" RED (12.9570)		1											
144045		BUSHING, 1/2"X1/4" RED (12.9570)		1											
128003		BUSHING, 1"X3/4" RED (12.9570)			1					1	1	1			1
5101020		STRAP, HOSE (2.5255)			1										
5142470		TUBING, WRAP (7.7020)				1									
444040		ELBOW, 1/4"-18 STREET 90 DEG. (12.9590)		1											
119099		ELBOW, 3/4", 90 DEG. (12.9600)			1				1				1		1
2492119		ELBOW, 3/4" X 1" PIPE, 90 DEG. (4.4330)			1				1			1			1

4.3000A OIL FILTER LINES

PART		TYPES													
..FIG ..	NUMBER	NAME AND DESCRIPTION	1 6 9	1 7 5	1 7 7	1 7 9	1 8 0	1 8 1	1 8 2	1 8 3	1 8 4	1 8 5	1 8 8	1 8 9	1 9 1
4.3020 - TUBE, OIL FILTER OUTLET (CONT'D)															
9402869	ELBOW, 1" FL. TUBE 90 DEG. (12.9390)		2												
5176705	ELBOW, 3/4"-90 DEG. (5.5374)									1	1				
141621	ELBOW, 3/4" STREET 90 DEG. (12.9590)									1	1				
9402713	CONNECTOR, 1" TUBE (12.9380)			1	1		1	1							
8924208	CONNECTOR, 1 5/16"X1" PIPE TAP (9.1720)	1				1									
9402713	CONNECTOR, 1" TUBE (12.9380)				1		1					1			1
144613	NIPPLE, 3/4" X 1 3/8" PIPE (12.9560)			1				1				1			1
5121182	PLUG, 1/4" PIPE (2.4015)		1												
5111798	PLUG, 1" PIPE (12.9550)									1					
4.3025 - ADAPTOR, OIL FILTER TUBE-REMOTE MOUNTED FILTER															
5134304	ADAPTOR, 6, 8V53 (TO BLOCK)	1	1									1			1
5134302	ADAPTOR, 6, 8V53									1	1		1		
5101866	ADAPTOR, 6V53												1		
5121182	PLUG, 1/4" PIPE (2.4015)	1													
186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4								4	4	4	3	4	4
186628	BOLT, 3/8"-16X1 1/2" (12.9001)		4												
103341	WASHER, 3/8" (12.9190)	4	4									4			4
103321	LOCKWASHER, 3/8" (12.9200)	4	4							4	4	4	3	4	4
138242	SCREW, 3/8"-16X1" (12.9027)												1		
4.3027 - GASKET, OIL FILTER TUBE ADAPTOR REMOTE MOUNTED FILTER															
5133263	GASKET, 6, 8V53 (4.3027)	1	1									1			1
5121205	GASKET (4.2350)									1	1		1		
5137549	GASKET (4.2350)													1	
4.3045 - CLIP, OIL FILTER LINE															
5144934	CLIP, #16 HOSE (TEFLON COATED) (4.8183)				1										
5187661	CLIP, 1 1/4" HOSE (4.8183)					2									
5144977	CLIP, #16 (TEFLON COATED) (4.8183)					2									
181361	BOLT, 3/8"-24 X 7/8" (12.9001)				1										
5165244	CLIP, 7/8" (4.8040)									3	3				
179839	BOLT, 3/8"-16 X 1" (12.9001)					1	1								
181596	BOLT, 5/16"-24X7/8" (12.9001)									3	3				
103341	WASHER, 3/8" (2.9190)					1	1								
120393	WASHER, 5/16" (12.9190)									3	3				
103321	LOCKWASHER, 3/8" (12.9200)				1	1	1								
103320	LOCKWASHER, 5/16" (12.9200)									3	3				
117049	NUT, 3/8"-24 (12.9120)				1										
102635	NUT, 3/8"-16 (12.9120)					1	1								
114493	NUT, 5/16"-24 (12.9120)									3	3				
4.3050 - BRACKET, OIL FILTER LINE CLIP															
5126358	BRACKET (4.6040)				1										
5124780	BRACKET (4.1510)					1	1								
5173022	BRACKET (5.5374)									3	3				
179839	BOLT, 3/8"-16 X 1 (12.9001)					1	1								
103341	WASHER, 3/8" (12.9190)					1	1								
103321	LOCKWASHER, 3/8" (12.9200)					1	1								

DETROIT DIESEL

53 MPC ENGINES

4.3000A OIL FILTER LINES

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION													
		1 8 9	1 7 5	1 7 7	1 7 9	1 8 0	1 8 1	1 8 2	1 8 3	1 8 4	1 8 5	1 8 8	1 8 9	1 9 1	
	4.3055 - VALVE, OIL FILTER TUBE ADAPTOR BY-PASS														
5133431	# VALVE (4.2485) # PART OF 5198303 VALVE KIT (4.2485).	1	1						1	1	1	1	1	1	
	4.3057 - SPRING, OIL FILTER TUBE ADAPTOR BY-PASS VALVE														
5134477	# SPRING (4.2486) # PART OF 5198303 VALVE KIT (4.2485).	1	1						1	1	1	1	1		
	4.3060 - RETAINER, OIL FILTER TUBE ADAPTOR BY-PASS VALVE SPRING														
5134456	# RETAINER (4.2488)	1	1						1	1	1	1	1		
450865	# = + SCREW, #12-24 X 3/4 RD. HD. (12.9065)	1	1												
160221	# * SCREW, #12-24X1/2" CR. REC. HD. (12.9065) # PART OF 5198303 VALVE KIT (4.2485). + EARLY ENGINES * LATE ENGINES = NOT SERVICED, USE 160221.	1	1						1	1	1	1	1		

4.3000A OIL FILTER LINES

PART		TYPES	
FIG	NUMBER	NAME AND DESCRIPTION	
			1 9 6
		4.3001 - TUBE, OIL FILTER INLET	
	8924044	HOSE ASSY., #16X39.21' L	1
	128003	BUSHING, 1"X3/4" RED. (12.9570)	1
	9402869	ELBOW, 1" FL. TUBE 90 DEG. (12.9390)	2
	2492119	ELBOW, 3/4"X1" PIPE 90 DEG. (4.4330)	1
		4.3020 - TUBE, OIL FILTER OUTLET	
	8924044	HOSE ASSY., #16X39.21 L	1
	9402713	CONNECTOR, 1" TUBE (12.9380)	1
	8920869	ELBOW, 1" FL. TUBE 90 DEG. (12.9390)	1
	127874	NIPPLE, 1"X1 1/2" PIPE (12.9560)	1
	5101020	STRAP, HOSE (2.5255)	1
		4.3025 - ADAPTOR, OIL FILTER TUBE (TO OIL COOLER ADAPTOR)	
	5134304	ADAPTOR, 6V53 (TO BLOCK)	1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4
	103341	WASHER, 3/8" (12.9190)	4
	103321	LOCKWASHER, 3/8" (12.9200)	4
		4.3027 - GASKET, OIL FILTER TUBE ADAPTOR	
	5133263	GASKET, 6V53	1
		4.3055 - VALVE, OIL FILTER TUBE ADAPTOR BY-PASS	
	5133431	# VALVE (4.2485)	1
		# PART OF 5198303 VALVE KIT (4.2485).	
		4.3057 - SPRING, OIL FILTER TUBE ADAPTOR BY-PASS VALVE	
	5134477	# SPRING (4.2486)	1
		# PART OF 5198303 VALVE KIT (4.2485).	
		4.3060 - RETAINER, OIL FILTER TUBE ADAPTOR BY-PASS VALVE SPRING	
	5134456	# RETAINER (4.2488)	1
	160221	# SCREW, #12-24X1/2" CR. REC. HD. (12.9065)	1
		# PART OF 5198303 VALVE KIT (4.2485).	

4.4000A OIL COOLER

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	2 2 6	2 3 0	2 3 1	2 3 8	2 3 9	2 5 4	2 6 0	2 6 8	2 6 9	2 7 0	2 7 1	2 7 2
4.4001 - CORE ASSY., OIL COOLER														
4A	8501323	CORE ASSY.,2,3,4-53 (4 PLATE)			1				1					
4A	8501328	CORE ASSY.,3-53 (6 PLATE)		1		1								
4A	8539953	CORE ASSY.,3,4-53 (8 PLATE)	1				1			2				
4D	5102389	CORE ASSY.,3-4-53 (8 PLATE)						1			1	1	1	1
4D	186618	BOLT, 5/16"-18X5/8" (12.9001)						8			8	8	8	8
4D	103320	LOCKWASHER, 5/16" (12.9200)						8			8	8	8	8
4.4030 - GASKET, OIL COOLER CORE INNER														
4A,B,C	5150155	GASKET	1	1	1	1	1		1	2				
4D	5120896	GASKET,3,4-53						1			1	1	1	1
4.4040 - GASKET, OIL COOLER CORE OUTER														
4A,B,C	5102506	GASKET	1	1	1	1	1		1	2				
4.4050 - HOUSING, OIL COOLER														
4A	5119453	HOUSING,4-53	1											
4A	5119451	HOUSING,3-53		1										
4A	5119449	HOUSING,2-53			1									
4A	5119452	HOUSING,3-53				1								
4A	5119454	HOUSING,4-53					1							
4D	5121183	HOUSING,3,4-53						1			1		1	
4A	5119450	* HOUSING,2-53							1					
4A	5116492	HOUSING,4-53								1				
4D	5122566	HOUSING,3,4-53										1	1	
4A	103647	DRAINCOCK, 1/4" (12.9510)	1	1	1	1	1			1				
4A	148344	DRAINCOCK, 1/4" (12.9510)							1					
4A	179819	BOLT, 5/16"-18X1 1/8" (12.9001)						1			1	1	1	1
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)			7									
4A	179830	BOLT, 5/16"-18X3" (12.9001)		7		7								
4A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	8	1	1	1	8		1					
4A	186274	BOLT, 5/16"-18X5" (12.9001)						1			1	1	1	
4A	103320	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	2	8		2	2	2	1
* OBSOLETE.														
4.4055 - GASKET, OIL COOLER HOUSING TO BLOCK														
4D	5116357	GASKET,3,4-53 (1.1070)						1			1	1	1	1
4.4060 - COVER, OIL COOLER HOUSING														
10B	5188862	+ COVER,3,4-53								1				
4B	446597	BOLT, 5/16"-18X6 1/2" (12.9001)								8				
4B	103320	LOCKWASHER, 5/16" (12.9200)								8				
+ NOT SERVICED, FOR SERVICE USE 5107975 AND INCLUDE 2-5142549 PLUGS.														

4.4000A OIL COOLER AND MARINE GEAR LINES

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	2 2 6	2 3 0	2 3 1	2 3 8	2 3 9	2 5 4	2 6 0	2 6 8	2 6 9	2 7 0	2 7 1	2 7 2
4.4110 - ADAPTOR, OIL COOLER														
4A,B	5123413	% ADAPTOR,2,3,4-53	1	1	1					1				
4A,B	5123414	# ADAPTOR,2,3,4-53				1	1							
4A,B	5121227	ADAPTOR,2-53							1					
4A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4	4	4	4	4			4				
4A	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							4					
4A	179847	BOLT, 3/8"-16X2" (12.9001)	2	2	2	2	2			2				
4A	103321	LOCKWASHER, 3/8" (12.9200)	6	6	6	6	6		4	6				
% NOT SERVICED, FOR SERVICE USE 5103907 AND 1-5103906 GASKET.														
# NOT SERVICED, FOR SERVICE USE 5103855 AND 1-5103906 GASKET.														
4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK														
4A,B	8923738	GASKET,2,3,4-53	3	3	2	3	3		2	3				
4A,B	5119286	GASKET,2,3,4-53	1	1	1	1	1		1	1				
4A	5116416	GASKET,2-53							1					
4.4213 - HOSE, OIL COOLER WATER INLET														
4D	5116093	* HOSE, 1 7/8"X4 3/4" CUT L. (5.3422) * NOT SERVICED; FOR REPLACEMENT USE 5199777 AND CUT TO SUIT.						1			1	1	1	1
4.4214 - CLAMP, OIL COOLER WATER INLET HOSE														
4D	8920637	CLAMP,3,4-53 1 9/16"-2 1/2" DIA. (12.9660)						2			2	2	2	2
4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET														
4D	5123320	HOSE ASSY., 3, 4-53 (38"X13/32" I.D.)						1						
4D	5123317	HOSE ASSY., 4-53 (44"X13/32" I.D.)						1						1
4D	5123318	HOSE ASSY.,3-53 (47"X13/32" I.D.)									1			
4D	5123316	HOSE ASSY., 3-53 (35 1/2"X13/32" I.D.)												
4D	120142	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9390)										1	1	
4D	8924150	ELBOW, 1/2" FL. TUBE 90 DEG. (12.4085)						1			1	1	1	1
4D	8924201	ELBOW, 1/2" FL. TUBE 45 DEG. (12.4090)						1				1	1	
4D	120278	NIPPLE, 3/8"X2 1/2" PIPE (12.9560)						1			1	1	1	2
4D	144603	NIPPLE, 3/8"X3" PIPE (12.9560)									1			1
4D	8924201	ELBOW, 1/2" FL. TUBE 45 DEG. (12.4090)									1			

4.4000A OIL COOLER AND MARINE GEAR LINES

PART		TYPES												
..FIG ..	NUMBER	NAME AND DESCRIPTION	2 2 6	2 3 0	2 3 1	2 3 8	2 3 9	2 5 4	2 6 0	2 6 8	2 6 9	2 7 0	2 7 1	2 7 2
4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET														
4D	5123318	HOSE ASSY.,3-53 (46 1/8"X13/32" I.D.)						1						
4D	5123319	HOSE ASSY.,4-53 (52 5/8"X13/32" I.D.)						1						1
4D	5123320	HOSE ASSY.,3-53 (38X13/32" I.D.)									1			
4D	5123317	HOSE ASSY.,3,4-53 (40 1/8"X13/32" I.D.)									1			
4D	5123321	HOSE ASSY.,3-53 (30 1/8"X13/32" I.D.)										1		
4D	5123316	HOSE ASSY.,3,4-53 (34 5/8"X13/32" I.D.)											1	
4D	120142	ELBOW, 3/8" INV. FL. 90 DEG. (12.9390)						1			1	1	1	1
4D	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.4085)						1			1	1	1	1
	2387408	CONNECTOR (1/2" TUBE X 1/2" PIPE) (8.3830)						1			1	1	1	
4D	144606	NIPPLE, 3/8"X1 1/2" PIPE (12.9560)						1			1	1	1	1
4.4345 - CLIP, OIL COOLER LINES														
	5171509	CLIP (9.1591)						4			4	4	4	4
	5173022	BRACKET										1	1	
	186627	BOLT, 3/8"-24X1" (12.9001)										1	1	
	103321	LOCKWASHER, 3/8" (12.9200)										1	1	
	117049	NUT, 3/8"-24 HEX. (12.9120)										1	1	

4.4000A OIL COOLER AND MARINE GEAR LINES

PART		TYPES												
..FIG	NUMBER	NAME AND DESCRIPTION	2 7 3	2 7 4	2 7 5	2 7 6	2 7 7	2 7 8	2 9 7	3 0 2	3 0 4	3 1 0	3 1 5	3 1 6
4.4001 - CORE, OIL COOLER-ENGINE														
4A	8501323	CORE ASSY.,2,3,4-53 (4 PLATE)			1								1	1
4A	8501328	CORE ASSY.,3-53 (6 PLATE)				2	2				1			
4A	8539953	CORE ASSY.,3,4-53 (8 PLATE)						2					1	1
4D	5102389	CORE ASSY.,3,4-53 (8 PLATE)	1	1										
4C	8545373	CORE ASSY.,6V53 (12 PLATE)							1	1	1			
4D	186618	BOLT, 5/16"-18X5/8" (12.9001)	8	8										
4D	103320	LOCKWASHER, 5/16" (12.9200)	8	8										
4.4030 - GASKET, OIL COOLER CORE-INNER														
4A,B,C	5150155	GASKET			1	2	2	2	1	1	2		2	2
4D	5120898	GASKET,3,4-53	1	1										
4.4040 - GASKET, OIL COOLER CORE-OUTER														
4A,B,C	5102508	GASKET			2	2	2	2	1	1	2		2	2
4.4050 - HOUSING, OIL COOLER-ENGINE														
4A	5119450	+ HOUSING,2-53			1									
4D	5122566	HOUSING,3,4-53	1	1										
	5116489	HOUSING,3-53				1								
	5116490	HOUSING,3-53					1							
	5116491	HOUSING,4-53						1						
4C	5119487	# HOUSING,6V53 (A ENGINE)							1					
4C	5119488	& HOUSING,6V53 (C ENGINE)								1				
	5125208	% HOUSING,6V53 (C ENGINE)									1			
4D	5123619	HOUSING,3,4-53											1	
4D	5123618	HOUSING,3,4-53												1
4A,C	103647	DRAINCOCK, 1/4" (12.9510)			1	1	1		2	1	2		1	1
	8923313	PLUG, 3/8" PIPE (12.9550)												1
4A	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	1	1										
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)			7									
4A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)			1									
4A	186650	BOLT, 5/16"-18X4 3/4" (12.9001)							8	8	8			
4A	186274	BOLT, 5/16"-18X5" (12.9001)	1	1										
4A	103320	LOCKWASHER, 5/16" (12.9200)	2	2	8				8	8	8			
# NOT SERVICED CONVERT TO TYPE 447 ALSO INCLUDE (1) 5135565 ELBOW, (1) 5135565 HOSE.														
& NOT SERVICED CONVERT TO TYPE 443 ALSO INCLUDE (1) 5135259 ELBOW, (1) 5163824 HOSE AND (2) 5186841 CLAMPS.														
% NOT SERVICED CONVERT TO TYPE 467 ALSO INCLUDE (1) 5108901 HOSE, (1) 5127299 HOSE, (1) 5163824 HOSE, (2) 5 186841 CLAMPS, (2) 9139809 CLAMPS, (1) 5135557 ELBOW, (1) 5135565 ELBOW.														
+ OBSOLETE.														

4.4000A OIL COOLER AND MARINE GEAR LINES

			TYPES											
FIG	PART NUMBER	NAME AND DESCRIPTION	2 7 3	2 7 4	2 7 5	2 7 6	2 7 7	2 7 8	2 9 7	3 0 2	3 0 4	3 1 0	3 1 5	3 1 6
4.4055 - GASKET, OIL COOLER HOUSING														
4D	5116357	GASKET,3,4-53 (1.1070)	1	1										
4.4060 - COVER, OIL COOLER HOUSING														
10B	5188862	@ COVER,3,4-53				1	1	1						
10B	5123214	@ COVER,3,4-53,6V53 (3/4" TAPPED HOLES)									1		1	1
	8924163	BUSHING, 3/4"X1/2" RED. (12.9570)									2		2	2
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)									6			
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)									2			
4B	455971	BOLT, 5/16"-18X5 1/2" (12.9001)				8	8	8						
4B	215404	BOLT, 5/16"-18X5 3/4" (12.9001)											6	6
4B	215386	BOLT, 5/16"-18X6" (12.9001)											2	2
4B	103320	LOCKWASHER, 5/16" (12.9200)				8	8	8			8		8	8
		@ NOT SERVICED, FOR SERVICE USE 5107975 AND 2-5142549 PLUGS.												
4.4110 - ADAPTOR, OIL COOLER														
4A,B	5123413	% ADAPTOR,2,3,4-53					1							
4A,B	5123414	+ ADAPTOR,2,3,4-53			1	1		1						
4A	5123617	* ADAPTOR,3,4-53 (SD-76)										1		
4A	5123616	ADAPTOR,3,4-53											1	1
	5121182	PLUG, 1/4" PIPE (2.4015)										1	1	
4A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			4	4	4	4						
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)											2	2
	179847	BOLT, 3/8"-16X2" (12.9001)			2	2	2	2					2	2
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)											2	2
4A	103321	LOCKWASHER, 3/8" (12.9200)			6	6	6	6					4	4
		% NOT SERVICED, FOR SERVICE USE 5103907 AND 1-5103906 GASKET.												
		+ NOT SERVICED, FOR SERVICE USE 5103855 AND 1-5103906 GASKET.												
		* NOT SERVICED, USE 5123616.												
4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK														
4A,B	8923738	GASKET,2,3,4-53			2	3	3	3					3	3
4A,B	5103906	GASKET,2,3,4-53			1	1	1	1					1	1

4.4000A OIL COOLER

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	2 7 3	2 7 4	2 7 5	2 7 6	2 7 7	2 7 8	2 9 7	3 0 2	3 0 4	3 1 0	3 1 5	3 1 6
4.4213 - HOSE, OIL COOLER WATER INLET														
4D	5199777	* HOSE, 1 7/8"X1 1/2" CUT L. * STD. LENGTH HOSE; CUT TO LENGTH SHOWN.	1	1										
4.4214 - CLAMP, OIL COOLER WATER INLET HOSE														
4D	8920537	CLAMP, 1 9/16"-2 1/2" DIA.,3,4-53 (12.9660)	2	2										
4.4330 - HOSE, MARINE GEAR OR TRANS OIL OUTLET														
4D	5123317	HOSE ASSY.,4-53 (43 1/8"X13/32" I.D.) (4.4335)										1		
4D	5123315	% HOSE ASSY.,4-53 (40 1/8"X13/32" I.D.) (4.4335)	1	1										
4D	5137685	HOSE ASSY.,6V53 (30 5/8"X13/32" I.D.)								1				
4D	5125902	HOSE ASSY.,3,4-53 (16"X13/32")											1	1
	2387408	CONNECTOR (1/2" TUBE X 1/2" PIPE) (12.3830)								1				
4D	120142	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9390)	1	1						2	1	1	1	
4D	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.4085)	1	1								1		
4D	120278	NIPPLE, 3/8"X2 1/2" PIPE (12.9560)	1	1								1		
4D	144603	NIPPLE, 3/8"X3" PIPE (12.9560)								2				
	142269	BUSHING, 1/2"X3/8" RED. PT. (12.9570) % NOT SERVICED, FOR SERVICE USE 5123317 HOSE.											1	1
4.4335 - HOSE, MARINE GEAR OR TRANS OIL INLET														
4D	5123315	* HOSE ASSY.,3,4-53 (40 1/8"X13/32" I.D.)		1										
4D	5123316	HOSE ASSY.,3,4-53 (34 5/8"X13/32" I.D.)	1											
4D	5127819	HOSE ASSY.,6V53 (28"X13/32" I.D.) (RED GEAR)									1			
4D	5108901	HOSE ASSY.,6V53 (21 1/2"X13/32" I.D.) (DIRECT DRIVE)								1				
4D	5123317	HOSE ASSY.,3-53 (43 1/8"X13/32" I.D.)										1		
4D	5115873	HOSE ASSY.,3,4-53 (20"X13/32" I.D.) (DIRECT DRIVE)												1
4D	5124391	HOSE ASSY., 3,4-53 (24"X13/32" I.D.) (RED. GEAR)											1	

4.4000A OIL COOLER

PART			TYPES											
..FIG	..NUMBER	NAME AND DESCRIPTION	2 7 3	2 7 4	2 7 5	2 7 6	2 7 7	2 7 8	2 9 7	3 0 2	3 0 4	3 1 0	3 1 5	3 1 6
		4.4335 - HOSE, MARINE GEAR OR TRANS OIL INLET (CONT'D)												
4D	5185394	HOSE ASSY.,3,4-53 (27"X13/32" I.D.) (DIRECT DRIVE) (8.3830)												1
4D	5128916	+ HOSE ASSY.,3,4-53 (29"X13/32" I.D.) (RED. GEAR)												1
4D	120142	ELBOW, 3/8" INV. FL 90 DEG. (12.9390)	1	1							1	1	1	1
4D	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.4085)		1	1							1		
	2387408	CONNECTOR (1/2" TUBE X 1/2" PIPE) (8.3830)									1			
4D	144606	NIPPLE, 3/8"X1 1/2" PIPE (12.9560)	1	1							1	1		
4D	120127	NIPPLE, 3/8"X2" PIPE (12.9560)											1	1
		* NOT SERVICED, FOR SERVICE USE 5123317 HOSE.												
		+ OBSOLETE.												
		4.4345 - CLIP, OIL COOLER LINES												
	5171509	CLIP,3-53,6V53 (9.1591)	4	4							2	2		
	5173022	BRACKET, CLIP (5.5379)	1	1							1	1		
	186627	BOLT, 3/8"-24X1" (12.9001)	1	1							1	1		
	103321	LOCKWASHER, 3/8" (12.9200)	1	1							1	1		
	117049	NUT, 3/8"-24 (12.9120)	1	1							1	1		

4.4000A OIL COOLER AND MARINE GEAR LINES

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	3 3 5	3 4 1	3 5 1	3 5 2	3 5 8	3 5 9	3 7 6	3 7 7	3 7 8	3 8 0	3 8 5	3 9 4
4.4001 - CORE, OIL COOLER-ENGINE														
4A	8501328	CORE ASSY.,3-53 (6 PLATE)		1								1		
4A	8539953	CORE ASSY.,4-53 (8 PLATE)			1		1		1	1				
4A	8502546	CORE ASSY.,4-53,8V53 (8 PLATE)												1
4B,C	8545373	CORE ASSY.,4-53,6V53 (12 PLATE)	1			1		1	1	1			1	
4C	8502833	CORE ASSY.,6V53 (12 PLATE)						1						
4B	8528885	CORE ASSY.,6,8V53 (16 PLATE)	1			1					1		1	
4.4030 - GASKET, OIL COOLER CORE-INNER														
4A,B,C	5150155	GASKET,4-53,6V53	2	1	1	2	1	1	2	2	2	1	2	1
4.4040 - GASKET, OIL COOLER CORE-OUTER														
4A,B,C	5102506	GASKET	2	1	1	2	1	1	2	2	2	1	2	1
4.4050 - HOUSING, OIL COOLER-ENGINE														
4C	5128151	# HOUSING,6V53	1			1					1			
4A	5119452	HOUSING,3-53		1								1		
4A	5119454	HOUSING,4-53			1									
4A	5109858	+ HOUSING,4-53					1							
4C	5135538	HOUSING,6V53						1						
4B	5130360	HOUSING,4-53							1					
4B	5130361	HOUSING,4-53								1				
4A	5119453	HOUSING,4-53												1
4A,C	103647	DRAINCOCK, 1/4" (12.9510)		1	1	1		1	1	1		1	1	1
4A	179830	BOLT, 5/16"-18X3" (12.9001)		7								7		
4A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)		1	1		8		2	2		1		8
4C	186650	BOLT, 5/16"-18X4 3/4" (12.9001)						8	3	3				
	215386	BOLT, 5/16"-18X6" (12.9001)	5			5					5		2	4
4A,C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		# NOT SERVICED, FOR REPLACEMENT USE 5135914 AND INCLUDE (1) 5142549 PLUG.												
		+ OBSOLETE												
4.4060 - COVER, OIL COOLER HOUSING														
10B	5123214	% COVER,4-53,6V53 (3/4" TAPPED HOLES)	1						1	1	1			
4B	5188862	% COVER,4-53,6,8V53				1							1	
4B	186624	BOLT, 5/16"-18X1 1/4" (12.9001)											6	
4B	106327	BOLT, 5/16"-18X1 3/8" (12.9001)							3	3				
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)									3			
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)	2						2	2	2			

4.4000A OIL COOLER AND MARINE GEAR LINES

PART			TYPES											
..FIG	..NUMBER	NAME AND DESCRIPTION	3 3 5	3 4 1	3 5 1	3 5 2	3 5 8	3 5 9	3 7 6	3 7 7	3 7 8	3 8 0	3 8 5	3 9 4
4.4060 - COVER, OIL COOLER HOUSING (CONT'D)														
4B	215404	BOLT, 5/16"-18X5 3/4" (12.9001)							3	3				
4B	447188	BOLT, 5/16"-18X6 3/4" (12.9001)				2							2	
4B	180737	BOLT, 5/16"-18X7" (12.9001)	2								2			
4B	103320	LOCKWASHER, 5/16" (12.9200)	4			2			8	8	7		8	
		% NOT SERVICED, FOR SERVICE USE 5107975 AND 2-5142549 PLUGS.												
4.4110 - ADAPTOR, OIL COOLER														
4A	5123414	+ ADAPTOR,3-53		1						1				
4A	5123413	% ADAPTOR,3,4-53			1				1			1		1
	5179142	@ ADAPTOR,4-53					1							
4A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		4	4				4	4		4		4
4A	5157244	BOLT, 3/8"-16X1 3/4" (12.9001)		2	2		4					2		2
4A	179847	BOLT, 3/8"-16X2" (12.9001)					2		2	2				
4A	179867	BOLT, 7/16"-14X2 1/4" (12.9001)					1							
	103342	WASHER, 7/16" (12.9190)					4							
4A	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR		6		6	AR		AR		AR
4A	103322	LOCKWASHER, 7/16" (12.9200)					1							
		@ OBSOLETE.												
		% NOT SERVICED, FOR SERVICE USE 5103907 AND 1-5103906 GASKET.												
		+ NOT SERVICED, FOR SERVICE USE 5103855 AND 1-5103906 GASKET.												
4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK														
4A,B	8923738	GASKET,2,3,4-53		3	3		4		3	3		3		3
4A,B	5103906	GASKET,3,4-53		1	1		1		1	1		1		1
4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET														
	5120028	HOSE ASSY. (41 1/2"X5/8" I.D.) (3.5505)							1					
	5183095	HOSE ASSY.,4-53 (53 3/16"X5/8" I.D.) (8.3800)									1			
	5187150	HOSE ASSY.,4-53 (58 1/4"X5/8" I.D.) (9.1587)								1				
	5177664	CONNECTOR (5/8" FL. TUBE X 3/4" P.T.) (8.3800)							1	1	1			
	8925073	ELBOW (3/4" TUBE X 3/4" P.T. 90 DEG.) (12.9590)										1		
	8924164	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)							1	1	1			
	189775	TEE, 3/4"X1/2" PIPE RED. (12.9616)							1	1	1			
4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET														
	5120028	HOSE ASSY.,4-53 (41 1/2"X5/8" I.D.) (3.5505)							1					
	5183095	HOSE ASSY., 6V53 (53 3/16"X5/8" I.D.) (8.3800)										1		

4.4000A OIL COOLER

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	335	341	351	352	358	359	376	377	378	380	385	394
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET (CONT'D)												
	5187150	HOSE ASSY., 4-53 (58 1/4" X 5/8" I.D.) (9.1587)								1				
	5176705	ELBOW (3/4" TUBE X 3/4" P.T. 90 DEG.) (8.3800)							1	1	2			
		4.4345 - CLIP, OIL COOLER LINES												
	5165244	CLIP, 4-53 (7/8" TUBE) (4.8040)							4	4				
	5157702	CLIP, 6V53 (1" TUBE) (4.8040)									4			
	5181325	BRACKET, CLIP (4.8042)							1	1				
	5173022	BRACKET, CLIP (5.5379)							1	1				
	186629	BOLT, 5/16"-18 X 1" (12.9001)							2	2				
	103320	LOCKWASHER, 5/16" (12.9200)							2	2				
	120376	NUT, 5/16"-18 (12.9120)							2	2				
		4.4360 - SWITCH, TRANSMISSION OIL TEMPERATURE												
	6401093	SWITCH (7.4130)							1	1	1			

4.4000A OIL COOLER AND MARINE GEAR LINES

			TYPES											
FIG	PART NUMBER	NAME AND DESCRIPTION	400	401	405	413	415	421	426	427	433	437	443	444
4.4001 - CORE, OIL COOLER-ENGINE														
	8501323	CORE ASSY.,2-53 (4 PLATE)							1					
4A	8501328	CORE ASSY.,3-53 (8 PLATE)	1											
	8502549	CORE ASSY.,3-53 (6 PLATE)		1										
4A	8502546	* CORE ASSY.,4-53,8V53 (8 PLATE)								1				
	8534392	CORE ASSY.,8V53 (8 PLATE) (CUPRO-NICKLE)										1		
	8502546	CORE ASSY.,4-53 (8 PLATE)												2
4C	8529879	CORE ASSY.,8V53 (10 PLATE)				1								
4C	8529880	CORE ASSY.,8V53 (14 PLATE)				1								
4B,C	8545373	CORE ASSY.,4-53,8V53 (12 PLATE)											1	
4B	8528885	CORE ASSY.,6,8V53 (16 PLATE)			1	1	1	1			1			
	8534100	+ CORE ASSY.,8V53 (16 PLATE)								1				
	179816	BOLT, 5/16"-18X3/4" (12.9001)										8		
	5133539	WASHER, 1 3/8" (4.4060)				4						8		
	103320	LOCKWASHER, 5/16" (12.9200)										8		
	5133538	NUT, 1 3/8"-16 (4.4060)				4								
		* NOT SERVICED, FOR TYPE 427 CONVERT TO TYPE 437.												
		+ OBSOLETE												
4.4030 - GASKET, OIL COOLER CORE-INNER														
4A,B,C	5150155	GASKET,4-53,6V53	1	1	1	1	1	1	1	1	1	1	1	2
	5138127	+ GASKET,8V53								1				
	5133619	GASKET,6V53				4								
		+ OBSOLETE.												
4.4040 - GASKET, OIL COOLER CORE-OUTER														
4A,B,C	5102506	GASKET,4-53,6V53	1	1	1	1	1	1	1	1	1		1	2
	5134818	GASKET,6V53			1									
	5133537	GASKET,6V53				1								
	5135173	+ GASKET,8V53									1			
		+ OBSOLETE												
4.4050 - HOUSING, OIL COOLER-ENGINE														
4A	5119451	HOUSING,3-53	1	1										
	5132649	HOUSING,6V53			1									
	5133532	HOUSING,6V53				1								
4C	5132703	+ HOUSING,8V53						1						
	5133339	HOUSING,8V53					1							
	5119449	HOUSING,2-53							1					
	5134224	+ HOUSING,8V53								1		1		
	5134813	+ HOUSING,8V53									1			
	5135519	* HOUSING,6V53											1	
	5116491	HOUSING,4-53												1

4.4000A OIL COOLER AND MARINE GEAR LINES

			TYPES											
FIG	PART NUMBER	NAME AND DESCRIPTION	400	401	405	413	415	421	426	427	433	437	443	444
		4.4050 - HOUSING, OIL COOLER-ENGINE (CONT'D)												
4A,C	103647	DRAINCOCK, 1/4" (12.9510)	1	1	1	1	2	1	1	1	1	1	2	1
	5121182	PLUG, 1/4" SOC. HD. (2.4015)						1						
	113177	PLUG, 3/4" SQ. HD. (12.9550)								1		1		
	8923313	PLUG, 3/4" SQ. HD. PIPE (12.9550)											2	
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)							7					
4A	179830	BOLT, 5/16"-18X3" (12.9001)	7	7										
4A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	1	1					1					
4C	186650	BOLT, 5/16"-18X4 3/4" (12.9001)											8	
	215386	BOLT, 5/16"-18X6" (12.9001)			3	4	6	6			3			
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)				3								
	179839	BOLT, 3/8"-16X1" (12.9001)								2		1		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)										1		
	120393	WASHER, 5/16" (12.9190)			3	8								
	103341	WASHER, 3/8" (12.9190)								2		2		
4A,C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	2	AR	
	103321	LOCKWASHER, 3/8" (12.9200)								2		2		
		* NOT SERVICED, USE (1) 5144308												
		HOUSING AND INCLUDE (1) 5145249												
		PLUG.												
		+ OBSOLETE												
		4.4055 - GASKET, OIL COOLER HOUSING												
	5115395	GASKET, 8V53 (TO RAW WATER PUMP)								1		1		
		4.4060 - COVER, OIL COOLER HOUSING												
4B	5188862	% COVER, 4-53, 6, 8V53								1			1	
	5186803	COVER, 6V53			1									
	5133536	COVER, 8V53				1								
	5138126	+ COVER, 8V53									1			
	5133960	STUD, 5/16"-18-24X9.60"L. (12.9117)			3									
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)			5									
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)									3		8	
	120393	WASHER, 5/16" (12.9190)			8									
4B	103320	LOCKWASHER, 5/16" (12.9200)				AR				AR	3		8	
	114493	LOCKNUT, 5/16"-24 (2.7170)			3									
		+ OBSOLETE.												
		% NOT SERVICED, FOR SERVICE USE												
		5107975 AND 2-5142549 PLUGS.												
		4.4100 - BRACKET, OIL COOLER HOUSING SUPPORT												
	5134178	+ BRACKET, 8V53								1		1		
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE												
		(12.9660)								1		1		
		+ OBSOLETE.												

4.4000A OIL COOLER AND MARINE GEAR LINES

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	4 0 0	4 0 1	4 0 5	4 1 3	4 1 5	4 2 1	4 2 6	4 2 7	4 3 3	4 3 7	4 4 3	4 4 4
4.4110 - ADAPTOR, OIL COOLER														
4A	5123414	+ ADAPTOR,3-53												1
4A	5123413	% ADAPTOR,3,4-53		1										
4A	5121227	ADAPTOR,2,3-53	1						1					
	5121182	PLUG, 1/4" PIPE (2.4015)	1											
4A	9409215	BOLT, 3/8"-16X1 1/4" (12.9001)	4											
4A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		4										4
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							4					
4A	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)		2										
4A	179847	BOLT, 3/8"-16X2" (12.9001)												2
4A	103341	WASHER, 3/8" (12.9190)	4											
4A	103321	LOCKWASHER, 3/8" (12.9200)		6					4					6
		% NOT SERVICED, FOR SERVICE USE 5103907 AND 1-5103906 GASKET.												
		+ NOT SERVICED, FOR SERVICE USE 5103855 AND 1-5103906 GASKET.												
4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK														
4A,B	8923738	GASKET,2,3,4-53	2	3					2					3
4A,B	5103906	GASKET,3,4-53		1										1
4A,B	5116416	GASKET,2,3-53 (5.1006)	1						1					
4.4211 - CONNECTION, OIL COOLER WATER INLET														
	5108605	ELBOW (5.3420)			1									
	5120540	GASKET			1									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			2									
	103341	WASHER, 3/8" (12.9190)			2									
	103321	LOCKWASHER, 3/8" (12.9200)			2									
4.4242 - FLANGE, OIL COOLER WATER OUTLET														
	5141173	FLANGE,6,8V53				1	1	1			1			
	5138777	# FLANGE,8V53					1	1			1			
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				2	2							
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)			2						2			
	120393	WASHER, 5/16" (12.9190)						2						
	103320	LOCKWASHER, 5/16" (12.9200)			2		2	2			2			
		# NOT SERVICED; USE 5141173 FLANGE AND INCLUDE 5141210 SEAL RING.												
4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE														
	5141210	SEAL RING,6,8V53				1	1	1			1			
	5138776	* SEAL RING,8V53					1	1			1			
		* NOT SERVICED; USE 5141210 SEAL RING AND INCLUDE 5141173 FLANGE.												

4.4000A OIL COOLER

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION											
		4 0 0	4 0 1	4 0 5	4 1 3	4 1 5	4 2 1	4 2 6	4 2 7	4 3 3	4 3 7	4 4 3	4 4 4
4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET													
5185394	HOSE ASSY.,8V53 (27"X13/32" I.D.) (8.3830)								1				
5173858	HOSE ASSY.,8V53 (31"X13/32" I.D.) (12.4085)										1		
111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)								2				
444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)										1		
142269	BUSHING, 1/2"X3/8" (12.9570)										1		
142767	BUSHING, 3/4"X3/8" RED. (12.9570)								2				
4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET													
5108901	HOSE ASSY.,8V53 (21 1/2"X13/32")								1				
5185394	HOSE ASSY.,8V53 (27"X13/32" I.D.) (8.3830)											1	
444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)											1	
118757	ELBOW, 1/2" TUBE X 3/8" P.T. (12.9390)								2		2		
142269	BUSHING, 1/2"X3/8" (12.9570)										1		
444136	TEE, 3/8" P.T. (12.9616)								1		1		
4.4345 - CLIP, OIL COOLER LINES													
5151189	CLIP,8V53								2		2		
5166565	BRACKET, CLIP								1				
5160425	SPACER, 13/32"X23/32" (2.3267)										1		
186619	BOLT, 3/8"-16X1 1/8" (12.9001)								1				
108608	BOLT, 3/8"-16X2 1/8" (12.9001)								1				
179850	BOLT, 3/8"-16X2 3/4" (12.9001)										1		
103321	LOCKWASHER, 3/8" (12.9200)								1				
102635	NUT, 3/8"-16 (12.9120)								1				

4.4000A OIL COOLER AND MARINE GEAR LINES

PART ..FIG .. NUMBER			TYPES											
NAME AND DESCRIPTION			4 4 7	4 5 1	4 5 3	4 5 5	4 5 6	4 5 9	4 6 0	4 6 2	4 6 3	4 6 4	4 6 6	4 6 7
4.4001 - CORE, OIL COOLER-ENGINE														
4A	8501328	CORE ASSY.,3-53 (6 PLATE)			1	1							1	
	8502549	CORE ASSY.,3-53 (6 PLATE)											1	
	8534719	# CORE ASSY.,6,8V53 (8 PLATE)					1	1			1			
4C	8502833	CORE ASSY.,6V53 (12 PLATE)		1							1			
4B,C	8545373	CORE ASSY.,6V53 (12 PLATE)	1					1		1				1
4B	8528885	CORE ASSY.,6,8V53 (16 PLATE)								1				
4A	8532253	CORE ASSY.,6V53 (16 PLATE)									1			
	179816	BOLT, 5/16"-18X3/4" (12.9001)					8		8			8		
	103320	LOCKWASHER, 5/16" (12.9200)					8		8			8		
		# INCLUDES NUT AND RING IN 4.4001.												
4.4030 - GASKET, OIL COOLER CORE-INNER														
4A,B,C	5150155	GASKET	1	1	1	1	1	1	1	2	2	1	1	2
4.4040 - GASKET, OIL COOLER CORE-OUTER														
4A,B,C	8923223	GASKET	1	1	1	1		1		2	2		1	2
4.4050 - HOUSING, OIL COOLER-ENGINE														
	5135518	& HOUSING,6V53	1	1										
4A	5119452	HOUSING,3-53			1									
	5135801	@ HOUSING,3-53				1								
4C	5128151	% HOUSING,6V53								1	1			
	5136074	+ HOUSING,3-53											1	
	5135516	HOUSING,6V53												1
	5137989	HOUSING,6V53						1						
	103647	DRAINCOCK, 1/4" (12.9510)	1	2	1			2		1	1		1	2
	8923313	PLUG, 3/8" PIPE (12.9550)	1	1							1			
4A	179830	BOLT, 5/16"-18X3" (12.9001)			7	7							7	
4A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)			1	1							1	
4C	186850	BOLT, 5/16"-18X4 3/4" (12.9001)	8	8				8						8
	215386	BOLT, 5/16"-18X6" (12.9001)								5	5			
	120393	WASHER, 5/16" (12.9190)											8	
4A,C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	8	8		AR		AR	AR		8	AR
		& NOT SERVICED, USE 5135915 AND INCLUDE (1) 5142549 PLUG.												
		@ NOT SERVICED, FOR SERVICE USE 5119452 HOUSING.												
		% NOT SERVICED, USE 5135914 AND INCLUDE (1) 5142549 PLUG.												
		+ OBSOLETE.												
4.4060 - COVER, OIL COOLER HOUSING														
10B	5123214	@ COVER,4-53,6V53 (3/4" TAPPED HOLES)								1				
	5188862	COVER,6V53									1			
	5129274	@ COVER,4-53,6V53												1

4.4000A OIL COOLER AND MARINE GEAR LINES

PART		NAME AND DESCRIPTION		TYPES											
FIG	NUMBER			4 4 7	4 5 1	4 5 3	4 5 5	4 5 6	4 5 9	4 6 0	4 6 2	4 6 3	4 6 4	4 6 6	4 6 7
4.4060 - COVER, OIL COOLER HOUSING (CONT'D)															
4B	186624	BOLT, 5/16"-18X1 1/4" (12.9001)										5			
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)									3				7
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)													1
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)									2				
4B	447188	BOLT, 5/16"-18X6 3/4" (12.9001)										3			
4B	180737	BOLT, 5/16"-18X7" (12.9001)									3				
4B	120393	WASHER, 5/16" (12.9190)													8
4B	103320	LOCKWASHER, 5/16" (12.9200)									8	8			8
		@ NOT SERVICED, FOR SERVICE USE 5107975 AND 2-5142549 PLUGS.													
4.4110 - ADAPTOR, OIL COOLER															
4A	5144394	ADAPTOR,3-53 (ALUMINUM L.H.)				1									
4A	5123414	# ADAPTOR,3-53					1								
	5135437	+ ADAPTOR,3-53												1	
4A	179839	BOLT, 3/8"-16X1" (12.9001)				4	4							4	
4A	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)				2	2							2	
	103341	WASHER, 3/8" (12.9190)												4	
4A	103321	LOCKWASHER, 3/8" (12.9200)				6	6							6	
		+ OBSOLETE. # NOT SERVICED, FOR SERVICE USE 5103855 AND 1-5103906 GASKET.													
4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK															
4A,B	5103906	GASKET,3,4-53				1	1							1	
4A,B	8923738	GASKET,2,3,4-53				3	3							3	
4.4211 - CONNECTION, OIL COOLER WATER INLET															
	5136051	ELBOW, WATER INLET,2-53												1	
	3222141	GASKET (5.3280)												1	
	8924140	DRAINCOCK, 1/4" (12.9510)												1	
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)												2	
	120393	WASHER, 5/16" (12.9190)												2	
	103320	LOCKWASHER, 5/16" (12.9200)												2	
4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET															
	5131492	HOSE ASSY.,6V53 (60"X13/32" I.D.) (12.4085)						1		1					
	5186451	+ HOSE ASSY.,6V53 (62"X3/4") (9.1587)									1				
	5185390	HOSE ASSY.,8V53 (66"X13/32" I.D.) (8.3830)												1	

4.4000A OIL COOLER

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	4 4 7	4 5 1	4 5 3	4 5 5	4 5 6	4 5 9	4 6 0	4 6 2	4 6 3	4 6 4	4 6 6	4 6 7
4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET (CONT'D)														
5137685	HOSE ASSY., 6V53 (4.4335)													1
118752	CONNECTOR (1/2" FL. TUBE X 3/8" P.T.) (12.9380)											1		
5177664	CONNECTOR (5/8" FL. TUBE X 3/4" P.T.) (8.3800)									1				
2387408	CONNECTOR (1/2" TUBE X 1/2" PIPE) (12.9380)													1
118757	ELBOW, 1/2" TUBE X 3/8" P.T. (12.9390)						1		1			1		
5176705	ELBOW, 3/4" TUBE X 3/4" P.T. 90 DEG. (8.3800)								1					
444042	ELBOW (3/8" STREET 90 DEG.) (12.9590)											1		
142269	BUSHING, 1/2"X3/8" RED. (12.9570)						1		1			1		
144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)									1				
144603	NIPPLE, 3/8"X3" PIPE (12.9560)						1			1				1
189775	TEE, 3/4"X1/2" PIPE RED. (12.9616) + OBSOLETE.									1				
4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET														
5127819	HOSE, 6V53 (28"X13/32" I.D.) (4.4330)													1
5123318	HOSE, 6V53 (47"X13/32" I.D.) (4.4330)						1							
5185389	HOSE, 4-53, 6V53 (57 1/2"X13/32" I.D.) (8.3830)								1			1		
5186451	+ HOSE, 6V53 (62"X3/4" I.D.) (9.1587)									1				
118757	ELBOW, 1/2" TUBE X3/8" P.T. (12.9390)						1					1		
111316	ELBOW (3/8" STREET) (12.9590)								1					
120142	ELBOW (1/2" TUBE X 3/8" P.T. 90 DEG. (12.9390)						1		1					1
5176705	ELBOW (3/4" TUBE X 3/4" P.T. 90 DEG.) (8.3800)									2				
444042	ELBOW (3/8" STREET 90 DEG.) (12.9590)												1	
144128	ELBOW (3/8" PIPE 90 DEG.) (12.9600)											1		
2387408	CONNECTOR (1/2" TUBE X 1/2" PIPE) (12.9380)													1
142269	BUSHING, 1/2"X3/8" RED. (12.9570)								1			1		
144608	NIPPLE, 3/8"X1 1/2" PIPE (12.9560)								1			1		1
144603	NIPPLE, 3/8"X3" PIPE (12.9560)						1							
444136	TEE, 3/8"X18 (12.9616) + OBSOLETE.											1		
4.4345 - CLIP, OIL COOLER LINES														
5157702	CLIP, 6V53 (1" TUBE) (4.8040)									4				
5171509	CLIP, 6V53 (5/8") (9.1591)						2		2					2
5151189	CLIP, 4-53, 6V53 (3/4") (4.8040)											4		

4.4000A OIL COOLER

PART		TYPES												
..FIG ..	NUMBER	NAME AND DESCRIPTION	4 4 7	4 5 1	4 5 3	4 5 5	4 5 6	4 5 9	4 6 0	4 6 2	4 6 3	4 6 4	4 6 6	4 6 7
4.4345 - CLIP, OIL COOLER LINES (CONT'D)														
5173022	BRACKET, CLIP (5.5379)											1		1
5114551	TAG, CABLE (7.4545)					2		2				1		
179819	BOLT, 5/16"-18X1 1/8" (12.9001)													
186274	BOLT, 5/16"-18X5" (12.9001)					1		1						
186627	BOLT, 3/8"-24X1" (12.9001)											1		1
103321	LOCKWASHER, 3/8" (12.9200)											1		1
117049	NUT, 3/8"-24 (12.9120)											1		1
4.4360 - SWITCH, TRANSMISSION OIL TEMPERATURE														
6401093	SWITCH, 6V53 (7.4130)									1				

4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES												
			4 7 1	4 8 1	4 8 5	4 8 9	4 9 0	4 9 1	4 9 2	4 9 4	4 9 5	5 0 2	5 0 7	5 0 8	5 1 2
		4.4001 - CORE, OIL COOLER-ENGINE													
	8501323	CORE ASSY.,2,4-53 (4 PLATE)						1	1	1		1			
	8539953	CORE ASSY.,4-53 (8 PLATE)						1	1			1			
4B,C	8545373	CORE ASSY.,6V53 (12 PLATE)		1		1	1							1	1
4B	8528885	CORE ASSY.,6,8V53 (16 PLATE)			1										1
		4.4030 - GASKET, OIL COOLER CORE-INNER													
4A,B,C	5150155	GASKET	1	1	1	1	1	2	2	1	1	2	1	1	2
		4.4040 - GASKET, OIL COOLER CORE-OUTER													
4A,B,C	5102506	GASKET		1		1	1	3	2	1	2	2	1	1	2
	5134818	GASKET			1										
		4.4050 - HOUSING, OIL COOLER-ENGINE													
	5135915	HOUSING,6V53	1												
	5137989	HOUSING,6V53		1											
	5137738	+ HOUSING,8V53			1										
	5137790	HOUSING,6V53				1									
	5139912	HOUSING,6V53					1							1	
	5123618	HOUSING,4-53						1							
	5123619	HOUSING,4-53										1			
	5119449	HOUSING,2-53									1		1		
	5135914	HOUSING, 6V53													1
	103647	DRAINCOCK, 1/4" (12.9510)		2	2	2	2	1	1	1		1	1	2	
	8924140	DRAINCOCK, 1/4" (12.9510)													1
	8923313	PLUG, 3/8" PIPE (12.9550)				1	1								1
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)								7			7		
4A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)					1						1		
4C	186650	BOLT, 5/16"-18X4 3/4" (12.9001)	8	8		8	8							8	
	215386	BOLT, 5/16"-18X6" (12.9001)			6										5
4A,C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR			AR			AR	AR	AR
		+ OBSOLETE													
		4.4060 - COVER, OIL COOLER HOUSING													
10B	5123214	# COVER (3/4" TAPPED HOLES)						1	1						1
	5146505	COVER,6V53									1				
	5129274	# COVER,4-53,6V53					1					1			
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)										2			
	8924163	BUSHING, 3/4"X1/2" RED. (12.9570)					2	2	2						
	5115214	PLUG, 1/2" PIPE (12.9550)									2				
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)						2	2						
	186629	BOLT, 5/16"-18X1" (12.9001)									8				
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)													3
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)													2
	215404	BOLT, 5/16"-18X5 1/4" (12.9001)						6	6			6			
	215386	BOLT, 5/16"-18X6" (12.9001)						2	2			2			
	180737	BOLT, 5/16"-18X7" (12.9001)													3
4B	103320	LOCKWASHER, 5/16" (12.9200)						8	8		8	8			8

4.4000A OIL COOLER AND MARINE GEAR LINES

			TYPES												
FIG	PART NUMBER	NAME AND DESCRIPTION	471	481	485	489	490	491	492	494	495	502	507	508	512
		4.4060 - COVER, OIL COOLER HOUSING (CONT'D)													
		# NOT SERVICED; FOR SERVICE USE 5107975 COVER AND (2) 5142549 PLUGS.													
		4.4110 - ADAPTOR, OIL COOLER													
	5123616	ADAPTOR,4-53						1							
	5123617	* ADAPTOR,4-53 (S.D. 76)							1			1			
	5121227	ADAPTOR,2-53								1					
	5138774	ADAPTOR,2-53												1	
	5138773	PLATE, ADAPTOR												1	
	5121182	PLUG, 1/4" PIPE (2.4015)						1	1			1			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)								4					
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)												4	
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)						2	2			2			
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)						2	2			2			
4A	103321	LOCKWASHER, 3/8" (12.9200)						4	4	4		4	4		
		* NOT SERVICED, USE 5123616.													
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK													
4A,B	5103906	GASKET,3,4-53						1	1				1		
4A,B	8923738	GASKET,2,3,4-53						2	2	2		2			
	5119329	GASKET, 2-53 (5.1006)								1				1	
	5144703	GASKET, 6V53 (5.5050)									1				
		4.4242 - FLANGE, OIL COOLER WATER OUTLET													
	5138777	# FLANGE,8V53													
	5141173	FLANGE,8V53													
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)													
	103320	LOCKWASHER, 5/16" (12.9200)													
		# NOT SERVICED, FOR REPLACEMENT USE 5141173 FLANGE AND INCLUDE 5141210 SEAL RING.													
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE													
	5138776	* SEAL RING,8V53													
	5141210	SEAL RING,8V53													
		* NOT SERVICED, FOR REPLACEMENT USE 5141210 SEAL RING AND INCLUDE 5141173 FLANGE.													

4.4000A OIL COOLER AND MARINE GEAR LINES

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	4 7 1	4 8 1	4 8 5	4 8 9	4 9 0	4 9 1	4 9 2	4 9 4	4 9 5	5 0 2	5 0 7	5 0 8	5 1 2
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET													
	5125902	HOSE ASSY., 4-53 (16"X13/32" I.D.) (2.5100)						1	1			1			
	120142	ELBOW, 1/2" TUBE X 3/8" P.T. 90 DEG. (12.9390)						1	1			1			
	144603	NIPPLE, 3/8"X3" PIPE (12.9560)						1	1			1			
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET													
	5115873	HOSE, 4-53 (20"X13/32" I.D.)										1			
	5124391	HOSE, 4-53 (24"X13/32" I.D.)							1						
	5128916	+ HOSE, 4-53 (29"X13/32" I.D.) (2.5010)						1							
	120142	ELBOW (1/2" TUBE X 3/8" P.T. 90 DEG. (12.9390)						1	1			1			
	120127	NIPPLE, 3/8"X2 1/2" PIPE (12.9560) + OBSOLETE.						1	1			1			
		4.4345 - CLIP, OIL COOLER LINES													
	5151189	CLIP, 4-53, 6, 8V53 (3/4") (4.8040)						3	2			2			
	5159393	BRACKET, CLIP (4.1575)						1	1			1			
	5114551	TAG, CABLE (7.4545)							2			2			
	179838	BOLT, 3/8"-16X7/8" (12.9001)						1	1			1			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						1							
	103321	LOCKWASHER, 3/8" (12.9200)						1	1			1			
	102635	NUT, 3/8"-16 (12.9120)						1	1			1			

4.4000A OIL COOLER AND MARINE GEAR LINES

PART			TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	5 2 8	5 3 6	5 4	5 5 6	5 5 9	5 6 0	5 6 9	5 7 5	5 7 7	5 7 8	5 8 5	5 8 6	6 0 0
4.4001 - CORE, OIL COOLER-ENGINE															
4C	8502833	CORE ASSY., 6V53 (12 PLATE)	1												
4C	8528885	CORE ASSY., 6V53 (16 PLATE)													
4A	8539953	CORE ASSY., 3,4-53 (8 PLATE)		1	1			2							
4B,C	8545373	CORE ASSY., 4-53, 6V53 (12 PLATE)		1	1										
	8501323	CORE ASSY., 4-53 (4 PLATE)				1									
	8502549	CORE ASSY., 3-53 (6 PLATE)					1								
	5142436	CORE ASSY., (ENGINE COOLER) 8V53							1						
	5142388	CORE ASSY., (TRANS. COOLER) 8V53							1						
	8534719	# CORE ASSY., 6,8V53 (8 PLATE)								1					1
	8502546	CORE ASSY., 4-53 (8 PLATE) (4.4005)									1				
4A	8501328	CORE ASSY., 3-53 (6 PLATE)										1			
4D	5102389	CORE ASSY., 4-53 (8 PLATE)											1	1	
	8923313	PLUG, 3/4" (12.9550)										2			
4D	186618	BOLT, 5/16"-18X5/8" (12.9001)											8	8	
4D	179816	BOLT, 5/16"-18X3/4" (12.9001)								8			8	8	8
4D	103320	LOCKWASHER, 5/16" (12.9200)								8			8	8	8
		# INCLUDES NUT AND RING IN 4.4001.													
4.4030 - GASKET, OIL COOLER CORE-INNER															
4A,B,C	5150155	GASKET	1	2	3	2	1		2	1	1	1			1
4D	5120896	GASKET, 4-53 (4.4040)											1	1	
4.4040 - GASKET, OIL COOLER CORE-OUTER															
4A,B,C	5102506	GASKET	1	2	2	1	1	2	1		1	1			
4.4050 - HOUSING, OIL COOLER-ENGINE															
	5137989	HOUSING	1												
4B	5116491	HOUSING, 3,4-53 (L.H.)			1			1							
4A	5119452	HOUSING, OIL COOLER, 3-53 (L.H.)					1								
4A	5133678	HOUSING, 3-53							1						
4A	5119454	HOUSING, 4-53 (L.H.)									1				
4D	5122566	HOUSING, 4-53											1		
4D	5121183	HOUSING, 4-53												1	
4C	5140391	HOUSING, 6V53			1										
	5129499	SPACER			1										
	8923313	PLUG, 3/4" PIPE (12.9550)		1											
	103647	DRAINCOCK, 1/4" (12.9510)	2	2	1		1	1			1	1			
4D	179819	BOLT, 5/16"-18X1 1/8" (12.9001)											1	1	
	179830	BOLT, 5/16"-18X3" (12.9001)					7					7			
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)					1				8	1			
4D	186274	BOLT, 5/16"-18X4 3/4" (12.9001)	6												
	186650	BOLT, 5/16"-18X5" (12.9001)												1	1
	216386	BOLT, 5/16"-18X6" (12.9001)		5											
	120393	WASHER, 5/16" (12.9190)										8			
4D	103320	LOCKWASHER, 5/16" (12.9200)	AR	5			8				AR	AR	AR	AR	

4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES												
			5 2 8	5 3 6	5 5 4	5 5 6	5 5 9	5 6 0	5 6 9	5 7 5	5 7 7	5 7 8	5 8 5	5 8 6	6 0 0
		4.4055 - GASKET, OIL COOLER HOUSING													
4D	5116357	GASKET,4-53 (1.1070)											1	1	
		4.4060 - COVER, OIL COOLER HOUSING													
10B	5123214	+ COVER, 3,4-53,6V53 (3/4" TAPPED HOLES)		1	1			1							
	5129274	+ COVER,4-53				1									
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)				2									
	111316	ELBOW, 90 DEG.-3/8" STREET (12.9590)				2									
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)		3											
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)		2											
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)				6									
	215386	BOLT, 5/16"-18X6" (12.9001)				2									
	447188	BOLT, 5/16"-18X6 3/4" (12.9001)						6							
	180737	BOLT, 5/16"-18X7" (12.9001)		3				2							
	216857	BOLT, 5/16"-18X8" (12.9001)						8							
	9428440	BOLT, 5/16"-18X8 1/2" (12.9001)			2										
	103320	LOCKWASHER, 5/16" (12.9200)		8	8	8		8							
		+ NOT SERVICED, USE 5107975 COVER AND (2) 5142549 PLUGS.													
		4.4110 - ADAPTOR, OIL COOLER													
4A	5123414	% ADAPTOR,3,4-53			1		1	1			1				
	5141426	ADAPTOR,8V53 (REAR)							1						
	5109685	ADAPTOR,8V53							1						
	5144394	ADAPTOR,3-53 (L.H.)										1			
	5141424	# ADAPTOR ASSY.,8V53 (TO BLOCK)							1						
	5141427	= ADAPTOR ASSY.,8V53 (FRONT)							1						
	5115214	PLUG, 1/2" HEX. SKT. (12.9550)							1						
	8923313	PLUG, 3/4"-14 NPTF SKT. SQ. SOC. (12.9550)							2						
	5176182	STUD, 3/8"-16X1 13/16" OIL CLR. (4.4050)							8						
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)							5						
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)							3						
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)							24						
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)							8						
4A	179839	BOLT, 3/8"-16X1" (12.9001)			4			4					4		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					4				4				
4A	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)										2			
	179847	BOLT, 3/8"-16X2" (12.9001)			2		2	2			2				
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)							2						
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							4						
	186291	BOLT, 3/8"-16X8 1/2" (12.9001)							2						
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)							1						
	451700	BOLT, 1/2"-13X8" (12.9001)							2						
	193031	BOLT, 1/2"-13X8 3/4" (12.9001)							1						
	186643	BOLT, 5/8"-18X2 1/16" (12.9001)							6						
	120393	WASHER, 5/16" (12.9190)							50						

4.4000A OIL COOLER AND MARINE GEAR LINES

PART		TYPES														
FIG	NUMBER	NAME AND DESCRIPTION	5 2 8	5 3 6	5 5 4	5 5 6	5 5 9	5 6 0	5 6 9	5 7 5	5 7 7	5 7 8	5 8 5	5 8 6	6 0 0	
4.4110 - ADAPTOR, OIL COOLER (CONT'D)																
4A	103341	WASHER, 3/8" (12.9190)							6			6				
	103343	WASHER, 1/2" (12.9190)							4							
	103320	LOCKWASHER, 5/16" (12.9200)							50							
	103321	LOCKWASHER, 3/8" (12.9200)			6		6	6	6		6	6				
	103323	LOCKWASHER, 1/2" (12.9200)							4							
	114493	NUT, 5/16"-24 (2.7170)							36							
		# INCLUDES (8) 5176182 STUDS AND (2) 5142549 PLUGS IN 4.4110.														
		= INCLUDES (4) 103196 STUDS AND (2) 5157933 DOWELS IN 4.4110.														
		% NOT SERVICED, FOR SERVICE USE 5103855 AND 1-5103906 GASKET.														
	4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK															
4A,B	5103906	GASKET,3,4-53			1		1	1			1					
4A,B	8923738	GASKET,3,4-53		3			3	3			3	4				
	5141919	GASKET,8V53							1							
	5141894	GASKET,8V53							2							
	5116416	GASKET,3-53 (5.1006)										1				
4.4140 - VALVE, OIL COOLER BYPASS																
	5177777	VALVE,8V53							2							
4.4150 - SPRING, OIL COOLER BYPASS VALVE																
	5126436	SPRING (4.1690)							2							
4.4160 - PLUG, OIL COOLER BYPASS VALVE																
	5113657	PLUG (4.1710)							2							
4.4170 - GASKET, OIL COOLER BYPASS VALVE PLUG																
	5177773	GASKET,8V53							2							
4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION																
	5133721	RING, SEAL							2							

4.4000A OIL COOLER

PART		TYPES														
FIG	NUMBER	NAME AND DESCRIPTION	528	536	554	556	559	580	589	575	577	578	585	586	600	
		4.4213 - HOSE, OIL COOLER WATER INLET														
4D	5199777	* HOSE, 4-53 1 7/8" X 1 1/2" (5.3422) * STANDARD LENGTH HOSE, CUT TO LENGTH SHOWN.											1	1		
		4.4214 - CLAMP, OIL COOLER WATER INLET														
4D	8920537	CLAMP, 1 9/16"-2 1/2" DIA. (12.9680)											1	1		
		4.4242 - FLANGE, OIL COOLER WATER OUTLET														
	5138777	@ FLANGE, 6V53	1													
	5141173	FLANGE, 6V53	1													
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)	2													
	103320	LOCKWASHER, 5/16" (12.9200)	2													
		@ NOT SERVICED. FOR REPLACEMENT USE 5141173 FLANGE AND 5141210 SEAL RING IN 4.4244.														
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE														
	5138776	# SEAL RING	1													
	5141210	SEAL RING	1													
		# NOT SERVICED. FOR REPLACEMENT USE 5141210 SEAL RING AND 5141173 FLANGE IN 4.4242.														
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET														
	5185394	HOSE ASSY., 3-53 (27"X13/32" I.D.) (8.3830)				1										
	5123319	HOSE ASSY., 6V53 (53 1/2"X13/32" I.D.)								1						
4D	5144449	HOSE, 4-53, #8X39"L. (TEFLON)											1			
4D	5144471	HOSE, 4-53, #8X43"L. (TEFLON)												1		
4D	5131492	HOSE, 6, 8V53, 13/32"X60"L. (12.4085)													1	
	5144934	CLAMP, #8 (TEFLON COATED)											2	2		
4D	118752	CONNECTOR, 1/2" TUBE X 3/8" P.T. (12.9380)											1			
4D	144603	NIPPLE, 3/8"X3" PIPE (12.9560)											1	1		

4.4000A OIL COOLER

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	5 2 8	5 3 6	5 5 4	5 5 6	5 5 9	5 6 0	5 6 9	5 7 5	5 7 7	5 7 8	5 8 5	5 8 6	6 0 0
4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET (CONT'D)															
	120142	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9390)				2								1	1
	111316	ELBOW, 1/2" TUBE X 3/8" P.T. (12.9390)								2					2
4D	5130294	ELBOW, 1/2" TUBE, 3/4" NPTF 45 DEG. (12.4090)												1	
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)								1					1
4D	186678	BOLT, 3/8"-16X1" (12.9001)												1	
4D	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)												1	
4D	186627	BOLT, 3/8"-24X1" (12.9001)												1	
	103341	WASHER, 3/8" (12.9190)												1	1
	103321	LOCKWASHER, 3/8" (12.9200)												2	2
	117049	NUT, 3/8"-24 (12.9120)												1	1
4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET															
	5125902	HOSE ASSY.,3-53 (13/32"X16" L) (2.5100)				1									
	5131492	HOSE ASSY.,6,8V53 (13/32"X60" L) (12.4085)								1					1
4D	5144492	HOSE,4-53,#8X30" L (TEFLON) (4.4330)											1		
4D	5144458	HOSE,4-53,#6X51" L (TEFLON) (4.4330)												1	
	5144934	CLAMP, #8 (TEFLON COATED) (4.4330)											1	3	
4D	120142	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9390)												1	1
	111316	ELBOW, 1/2" TUBE X 3/8" P.T. (12.9390)								2					1
5D	5130294	ELBOW, 1/2" TUBE X 3/4" NPTF - 45 DEG. (12.4090)											1	1	
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)								1					1
	144606	NIPPLE, 3/8"X1 1/2" PIPE (12.9560)								1					
	120127	NIPPLE, 3/8"X2 1/2" PIPE (12.9560)				1									
4D	144603	NIPPLE, 3/8"X3" PIPE (12.9560)				1							1	1	1
	444138	TEE, 3/8"X18" (12.9616)								1					
4.4345 - CLIP, OIL COOLER LINES															
	5171509	CLIP,6V53 (5/8") (9.1591)								2					2
	5151189	CLIP (3/4") (4.8040)													
	5159393	BRACKET, CLIP (4.1575)				3									
	5173022	BRACKET (5.5379)				1									
	5114551	TAG, CABLE (7.4545)												1	1
	179816	BOLT, 5/16"-18X3/4" (12.9001)				2				1					2

4.4000A OIL COOLER

TYPES

FIG	PART NUMBER	NAME AND DESCRIPTION	5 2 8	5 3 6	5 5 4	5 5 6	5 5 9	5 6 0	5 6 9	5 7 5	5 7 7	5 7 8	5 8 5	5 8 6	6 0 0
	4.4345	CLIP, OIL COOLER LINES (CONT'D)													
	186650	BOLT, 5/16"-18X4 3/4" (12.9001)								1					
	186274	BOLT, 5/16"-18X5" (12.9001)								1					1
	179838	BOLT, 3/8"-16X7/8" (12.9001)				1									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				1									
	120393	WASHER, 5/16" (12.9190)								1					
	103321	LOCKWASHER, 3/8" (12.9200)				1									
	102635	NUT, 3/8"-16 (12.9120)				1									

4.4000A OIL COOLER AND MARINE GEAR LINES

PART			TYPES										
..FIG ..	NUMBER ..	NAME AND DESCRIPTION ..	6 0 1	6 1 0	6 1 6	6 2 5	6 3 3	6 3 4	6 3 6	6 5 3	6 7 5	7 0 6	7 5 7
4.4001 - CORE, OIL COOLER-ENGINE													
4B,C	8545373	CORE ASSY.,4-53,8V53 (12 PLATE)			1								1
	5142436	CORE ASSY.,8V53			1								
	5142388	CORE ASSY.,8V53			1								
	8534719	# CORE ASSY.,6,8V53 (8 PLATE)	1			1	1	1	1		1		
	8502549	CORE ASSY.,3-53 (6 PLATE)		2									
4A	8501328	CORE ASSY.,3-53 (6 PLATE)										2	
	2325715	ELBOW, 1/2"-90 DEG. (3.5505)	2					2					
	8923313	PLUG, 3/4" (12.9550)			2								
4D	179816	BOLT, 5/16"-18X3/4" (12.9001)	8								8		
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				8	8	8	8				
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)										8	
4D	103320	LOCKWASHER, 5/16" (12.9200)	8			8	8	8	8		8	8	
		# INCLUDES NUT AND RING IN 4.4001.											
4.4030 - GASKET, OIL COOLER CORE-INNER													
4A,B,C	5150155	GASKET	1	2	1					1		2	2
	5144703	GASKET (5.5050)				1	1	1	1		1		
4.4040 - GASKET, OIL COOLER CORE-OUTER													
4A,B,C	5102506	GASKET		2	1					1		2	1
4.4050 - HOUSING, OIL COOLER-ENGINE													
	5116489	HOUSING, 3-53		1								1	1
4.4060 - COVER, OIL COOLER HOUSING													
4B	5123214	+ COVER,3,4-53,6V53								1		1	
	5146505	COVER, 4-53											1
10B	5188862	+ COVER,3-53		1									
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)				2					2		
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)								2			
	431538	CONNECTOR, 1/2" TUBE, 3/8" PT. INV. (12.9460)								2			
	111316	ELBOW, 90 DEG.-3/8" STREET (12.9590)				2							
	118757	ELBOW, 90 DEG.-1/2" TUBE (12.9390)									2		
	9432248	ELBOW, 3/8" INV. FLARED TUBE (12.9480)								1			
	103647	DRAINCOCK, 1/4" (12.9510)		1									1
	5115214	PLUG, 1/2" PIPE (12.9550)											2
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)								6			
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)								2			
4B	455971	BOLT, 5/16"-18X5 1/2" (12.9001)		1									8
	103320	LOCKWASHER, 5/16" (12.9200)		8						8			8
		+ NOT SERVICED, FOR SERVICE USE 5107975 AND 2-5142549 PLUGS.											

4.4000A OIL COOLER AND MARINE GEAR LINES

PART			TYPES														
FIG	NUMBER	NAME AND DESCRIPTION	6 0 1	6 1 0	6 1 6	6 2 5	6 3 3	6 3 4	6 3 6	6 5 3	6 7 5	7 0 6	7 5 7				
4.4110 - ADAPTOR, OIL COOLER																	
	5123414	% ADAPTOR,3,4-53		1								1					
	5109685	ADAPTOR,8V53			1												
	5141424	# ADAPTOR ASSY.,8V53 (TO BLOCK)			1												
	5141427	= ADAPTOR ASSY.,8V53 (FRONT)			1												
	5141426	* ADAPTOR ASSY.,8V53			1												
	5103855	ADAPTOR, 4-53											1				
	5115214	PLUG, 1/2" PIPE (12.9550)			1												
	8923313	PLUG, 3/4"-14 PIPE (12.9550)			2												
	103175	STUD, 5/16"-18-24X1.50" (12.9117)			4												
	5150362	STUD, 3/8"-16X24X1 9/16" (12.9117)			4												
	5176182	STUD, 3/8"-16X1 13/16" OIL CLR. (4.4050)			8												
	5157933	DOWEL, 5/16"X7/8" (3.4140)			4												
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)			5												
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)			3												
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)			24												
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)			8												
4A	179839	BOLT, 3/8"-16X1" (12.9001)		4								4					
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											4				
	179847	BOLT, 3/8"-16X2" (12.9001)		2								2	2				
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)			2												
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			4												
	186291	BOLT, 3/8"-16X8 1/2" (12.9001)			2												
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)			1												
	451700	BOLT, 1/2"-13X8" (12.9001)			2												
	193031	BOLT, 1/2"-13X8 3/4" (12.9001)			1												
	186643	BOLT, 5/8"-18X2 1/16" (12.9001)			6												
	120393	WASHER, 5/16" (12.9190)			50												
	103341	WASHER, 3/8" (12.9190)			8												
	103343	WASHER, 1/2" (12.9190)			4												
	103320	LOCKWASHER, 5/16" (12.9200)			50												
	103321	LOCKWASHER, 3/8" (12.9200)		6	8							6	6				
	103323	LOCKWASHER, 1/2" (12.9200)			4												
	114493	NUT, 5/16"-24 (2.7170)			36												
		# INCLUDES (8) 5176182 STUDS AND (2) 5142549 PLUGS IN 4.4110.															
		= INCLUDES (4) 103196 STUDS AND (2) 5157933 DOWELS IN 4.4110.															
		* INCLUDES (4) 103175 STUDS AND (2) 5157933 DOWELS IN 4.4110.															
		% NOT SERVICED, FOR SERVICE USE 5103855 AND 1-5103906 GASKET.															
4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK																	
4A,B	5103906	GASKET,3,4-53		1								1					
4A,B	8923738	GASKET,3,4-53		3								3	3				
	5141894	GASKET,8V53			2												
	5141919	GASKET,8V53			1												
4A,B	5103906	GASKET, 4-53												1			

4.4000A OIL COOLER

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	601	610	616	625	633	634	636	653	675	706	757
		4.4140 - VALVE, OIL COOLER BY-PASS											
	5177777	VALVE, 8V53			2								
		4.4150 - SPRING, OIL COOLER BY-PASS VALVE											
	5126436	SPRING, 8V53 (4.1690)			2								
		4.4160 - CLIP, OIL COOLER BY-PASS VALVE											
	5113657	PLUG (4.1710)			2								
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE PLUG											
	5177773	GASKET			2								
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION											
	5133721	RING, SEAL			2								
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET											
4D	5147571	HOSE ASSY., 6V53 (#6 X 100") (TEFLON) (4.1597)								1			
4D	5147580	HOSE ASSY., 6V53 (#8 X 33.5") (TEFLON) (4.4335)								1			
4D	5123319	HOSE ASSY., 6V53 (53 1/2" X 13/32" I.D.)					1		1				
4D	5123318	HOSE ASSY., 6V53 (13/32" X 47")											
4D	5131492	HOSE, 6, 8V53 13/32" X 60" L. (12.4085)	1			1					1		
4D	9432266	CONNECTOR, 3/8" TUBE, 1/8" PT. (12.9460)								1			
4D	118752	CONNECTOR, 1/2" TUBE X 3/8" P.T. (12.9390)							1				
4D	144606	NIPPLE, 3/8" X 1 1/2" PIPE (12.9560)	1										
4D	144603	NIPPLE, 3/8" X 3" PIPE (12.9560)				1					1		
4D	120142	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9390)				1					1		
4D	118757	ELBOW, 3/8" X 1/2" PIPE (12.9390)							2				
4D	144128	ELBOW, 3/8"-90 DEG. PIPE (12.9660)	1					1	1				
4D	111316	ELBOW, 1/2" TUBE X 3/8" P.T. (12.9390)	1				2						
4D	137425	ELBOW, 1/2" TUBE X 3/8" P.T. (INV. FLARED) (12.9480)								1			

4.4000A OIL COOLER

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	601	610	616	625	633	634	636	653	675	706	757	
4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET (CONT'D)														
4D	143340	ELBOW, 1/2" TUBE X 3/8" P.T. 45 DEG. (12.9480)								1				
	142269	BUSHING, 1/2" X 3/8" RED. (12.9570)				2			1					
	120393	WASHER, 5/16" (12.9190)							1					
	103320	LOCKWASHER, 5/16" (12.9200)							1					
4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET														
4D	5147579	HOSE ASSY., 6V53 (8X26.5") (TEFLON) (4.4330)								1				
4D	5131492	HOSE ASSY., 6,8V53 (13/32" X 60" L) (12.4085)				1	1	1	1		1			
4D	5133611	HOSE ASSY., 8V53 (9.1587)	1					1						
4D	120142	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9390)					2							
4D	118757	ELBOW, 3/8" X 1/2" PIPE (12.9390)							1					
4D	111316	ELBOW, 1/2" TUBE X 3/8" P.T. (12.9390)	1			1		2						
	118752	CONNECTOR, 1/2" TURE X 3/8" P.T. (12.9390)	1								1			
	142269	BUSHING, 1/2" X 3/8" RED. (12.9570)							1					
4D	144606	NIPPLE, 3/8" X 1 1/2" PIPE (12.9560)						1	1					
4D	144603	NIPPLE, 3/8" X 3" PIPE (12.9560)					2							
	444136	TEE, 3/8" X 18" (12.9616)						1	1					
4.4345 - CLIP, OIL COOLER LINES														
	5171509	CLIP, 6V53 (5/8") (9.1591)				2	2		2					
	5151189	CLIP (3/4") (4.8040)	4					4			4			
	5144934	CLIP, HOSE #8 TEFLON (4.4330)								2				
	5173022	BRACKET (5.5379)	1					1		1				
	5181325	BRACKET (4.8042)										1		
	5114551	TAG, CABLE (7.4545)				2	2					1		
	186625	BOLT, 5/16"-18X7/8" (12.9001)										1		
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	1					1						
	179816	BOLT, 5/16"-18X3/4" (12.9001)							1					
	186650	BOLT, 5/16"-18X4 3/4" (12.9001)							1					
	186274	BOLT, 5/16"-18X5" (12.9001)				1	1		1		1			
	186627	BOLT, 3/8"-24X1" (12.9001)	1					1		1				
	120393	WASHER, 5/16" (12.9190)							1			1		
	103320	LOCKWASHER, 5/16" (12.9200)										1		
	103321	LOCKWASHER, 3/8" (12.9200)	1					1		1				
	117049	NUT, 3/8"-24 (12.9120)	1					1		1				

4.4000A OIL COOLER

PART		TYPES																	
..FIG ..	NUMBER	NAME AND DESCRIPTION	6 0 1	6 1 0	6 1 6	6 2 5	6 3 3	6 3 4	6 3 6	6 5 3	6 7 5	7 0 6	7 5 7						
	4.4345 -	CLIP, OIL COOLER LINES (CONT'D)																	
	120376	NUT, 5/16"-18 (12.9120)										1							

4.4000A OIL COOLER AND MARINE GEAR LINES

PART		NAME AND DESCRIPTION	TYPES												
FIG	NUMBER		7 6 9	7 7 0	7 7 2	7 7 7	7 7 8	7 8 6	7 8 7	7 8 8	7 8 9	7 9 0	7 9 1	7 9 3	7 9 4
4.4001 - CORE, OIL COOLER-ENGINE															
	NPN	CORE ASSY., 6V53 (18 PLATE)	1												
4B	8545373	CORE ASSY., 453 TURBO (12 PLATE)		1	1						1	1	1	1	1
4B	8528885	CORE ASSY., 6V53 (16 PLATE)					1				1		1	1	1
	8534719	CORE ASSY., 6V53 (8 PLATE)						1							
4B	8539953	CORE ASSY., 4-53 (8 PLATE)							2	1		1			
	179816	BOLT, 5/16"-18 X 3/4" (12.9001)							8						
	103320	LOCKWASHER, 5/16" (12.9200)							8						
4.4030 - GASKET, OIL COOLER CORE-INNER															
4A,B,C	5150155	GASKET	1	2	1			1		2	3	2	2	2	2
	5144703	GASKET (5.5050)							1						
4.4040 - GASKET, OIL COOLER CORE-OUTER															
4A,B,C	5102506	GASKET	1	1	1			1		2	2	2	2	2	
4A,B,C	8923223	GASKET													2
4.4050 - HOUSING, OIL COOLER-ENGINE															
	NPN	HOUSING, 6V53	1												
	5116490	HOUSING, 4-53		1											
	5103446	HOUSING, 4-53			1										
	5106671	HOUSING, 6V53						1							
4B	5116491	HOUSING, 4-53								1	1				
	5135914	HOUSING, 6V53										1		1	
	5130360	HOUSING, 4-53											1		
	5140391	HOUSING, 6V53													1
	8923313	PLUG, 3/4" PIPE (12.9550)	2		1			1				1			1
	5121182	PLUG, 1/4" PIPE (2.4015)	2												1
4A,B,C	103647	DRAINCOCK, 1/4" (12.9510)		1	1			2		1	1	1	1	1	2
	186270	BOLT, 5/16"-18 X 3 1/2" (12.9001)													
	186650	BOLT, 5/16"-18 X 4 3/4" (12.9001)													
	186274	BOLT, 5/16"-18 X 5" (12.9001)			8										
	215404	BOLT, 5/16"-18 X 5 3/4" (12.9001))	6					6							
4B	215386	BOLT, 5/16"-18 X 6" (.9001)									5		5		
	120393	WASHER, 5/16" (12.9190)	6					6							
4B	103320	LOCKWASHER, 5/16" (12.9200)			8						5	5	5		
4.4051 - HOUSING, MARINE GEAR OIL COOLER															
	5121183	HOUSING, 3-53					1								
	5122566	HOUSING, 3-53				1									
	179819	BOLT, 5/16"—18X1 1/8" (12.9001)				1	1								
	186274	BOLT, 5/16"—18X5" (12.9001)				1	1								
	103320	LOCKWASHER, 5/16" (12.9200)				2	2								
4.4055 - GASKET, OIL COOLER HOUSING															
4D	5116357	GASKET (1.1070)				1	1								

4.4000A OIL COOLER AND MARINE GEAR LINES

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	7 6 9	7 7 0	7 7 2	7 7 7	7 7 8	7 8 6	7 8 7	7 8 8	7 8 9	7 9 0	7 9 1	7 9 3	7 9 4
4.4060 - COVER, OIL COOLER HOUSING															
	5102389	COVER AND ELEMENT ASSY. (INCLUDES GASKET)				1	1			1					
	5188862	+ COVER, 4-53								1					
4B	5123214	+ COVER, 6V53								1	1				
	5107975	COVER, 6V53										1	1	1	1
	5146505	COVER, 4-53		1											
	5129499	SPACER, 1 3/16" THR (4.4050)								1					
	5115214	PLUG, 1/4" PIPE (12.9550)		1											
	8923313	PLUG, 3/4" PIPE (12.9550)										2	2	2	2
	186618	BOLT, 5/16"-18X5/8" (12.9001)				8	8								
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)											4		
4B	186624	BOLT, 5/16"-18X1 1/4" (12.9001)										4		4	4
4B	179826	BOLT, 5/16"-18X2" (12.9001)										1	1	1	1
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)		8									3		
	215386	BOLT, 5/16"-18X6" (12.9001)													5
	214054	BOLT, 5/16"-18X6 1/4" (12.9001)										3			
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)								8					
4B	447188	BOLT, 5/16"-18X6 3/4" (12.9001)												3	
	180737	BOLT, 5/16"-18X7" (12.9001)													3
	216857	BOLT, 5/16"-18X8" (12.9001)									6				
	9428440	BOLT, 5/16"-18X8 1/2" (12.9001)									2				
4B	120393	WASHER, 5/16" (12.9190)											8	8	8
4B	103320	LOCKWASHER, 5/16" (12.9200)				8	8	8		8	8	8	8	8	10
		+ NOT SERVICED, FOR SERVICE USE 5107975 AND 2-5142549 PLUGS.													
4.4061 - GASKET, OIL COOLER HOUSING COVER															
	5120896	GASKET				1	1								
4.4110 - ADAPTOR, OIL COOLER															
4A	5103907	ADAPTOR, 4-53		1	1								1		
	5103855	ADAPTOR, 4-53									1	1			
4A,B	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		4	4						4	4		4	
4A,B	179847	BOLT, 3/8"-16X2" (12.9001)		2	2						2	2		2	
4A,B	103321	LOCKWASHER, 3/8" (12.9200)		6	8			6			6	6		6	
4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK															
4A,B	8923738	GASKET		3	3						3	3		3	
4A,B	5103906	GASKET, 4-53		1	1						1	1		1	
4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET															
4D	5131492	HOSE, 6V53, 13/32"X60" L. (12.4085)							1						
4D	8924220	ELBOW 1/2" TUBE (90 DEG.) (3.5505)							1						
4D	8924150	ELBOW, 3/8"X1/2" PIPE (12.9390)							1						

4.4000A OIL COOLER AND MARINE GEAR LINES

PART			TYPES												
.FIG	NUMBER	NAME AND DESCRIPTION	7 6 9	7 7 0	7 7 2	7 7 7	7 7 8	7 8 6	7 8 7	7 8 8	7 8 9	7 9 0	7 9 1	7 9 3	7 9 4
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET													
4D	5133611	HOSE ASSY., 6V53 (9.1587)								1					
4D	2325715	ELBOW, 1/2" TUBE (90 DEG.) (3.5505)								1					
4D	118757	ELBOW, 3/8" X 1/2" PIPE (12.9390)								1					
	121207	NIPPLE, 3/8" X 1" PIPE (12.9560)								1					
	444122	TEE, 3/8"-18 PIPE (12.9616)								1					
		4.4345 - CLIP, OIL COOLER LINES													
	2362448	CLIP, 1/2" NEOPRENE (12.8554)								2					
	5187818	BRACKET (9.3541)								1					
	5101020	STRAP, NYLON TIE (2.5255)								3					
	179839	BOLT, 3/8"-16 X 1" (12.9001)								1					
	103321	LOCKWASHER, 3/8" (12.9200)								1					
	102635	NUT, 3/8"-16 (12.9120)								1					

4.4000A OIL COOLER AND MARINE GEAR LINES

PART			TYPES												
..FIG ..	NUMBER ..	NAME AND DESCRIPTION ..	7 9 6	7 9 7	7 9 8	7 9 9	8 0 0	8 0 1	8 0 2	8 0 3	8 0 4	8 0 5	8 0 6	8 0 7	8 1 2
4.4001 - CORE, OIL COOLER-ENGINE															
4B	8539953	CORE ASSY., 3, 4-53 (8 PLATE)	1	2			1			2	2		2		
4B	8545373	CORE ASSY., 3, 4, 8V53 (12 PLATE)	1				1					1			1
4B	8501328	CORE ASSY., 3-53 (6 PLATE)			2			2	2						
4B	8528885	CORE ASSY., 6V53 (16 PLATE)				2						1			
4B	8502833	CORE ASSY., 6V53 (12 PLATE)												1	
4B	8532253	CORE ASSY., 6V53 (16 PLATE)												1	
4.4030 - GASKET, OIL COOLER CORE-INNER															
4A,B,C	5150155	GASKET	3	2	2	2	3	2	2	2	2	2	2	2	1
4.4040 - GASKET, OIL COOLER CORE-OUTER															
4A,B,C	5102506	GASKET	2	2	2	2	2	2	2	2	2	2	2	2	
4B	8923223	GASKET													1
4.4050 - HOUSING, OIL COOLER-ENGINE															
4B	5116491	HOUSING, 3, 4-53	1	1			1			1			1		
	5116489	HOUSING, 3-53			1			1							
	5133427	HOUSING, 6V53				1									
	5116490	HOUSING, 3-53							1						
	5116492	HOUSING, 3, 4-53									1				
	5135914	HOUSING, 6V-53										1		1	
	5103446	HOUSING, 6V-53													1
4A,B,C	103647	DRAINCOCK, 1/4" (12.9510)	1	1	1	1	1	1	1	1	1	1	1	1	
	8924140	DRAINCOCK, 1/4" (12.9510)													1
	8923313	PLUG, 3/4" SQ. SOCK. (12.9550)													1
4B	215386	BOLT, 5/16"-18 X 6" (12.9001)				5						5		5	
	186274	BOLT, 5/16"-18X5" (12.9001)													8
4B	120393	WASHER, 5/16" (12.9100)				5									
4B	103320	LOCKWASHER, 5/16" (12.9200)				5						5		5	8
4.4060 - COVER, OIL COOLER HOUSING															
	5107975	COVER, 4-53	1	1	1	1	1	1	1	1	1	1	1	1	
	5129499	SPACER, 1 3/16" THK. (4.4050)	1				1								
	8923313	PLUG, 3/4" PIPE (12.9550)	2	2	2	2	2	2	2	2	2	2	2	3	
	5102982	PLUG, 3/4" PIPE (12.9550)				2									
	8924164	NIPPLE, 3/4" X 1 3/8" PIPE (12.9560)				1									
	187398	COUPLING, 3/4" PIPE (12.9580)				1									
	5133960	STUD, 5/16"-18-24 X 9.60" (12.9117)				3									
4B	186624	BOLT, 5/16"-18 X 1 1/4" (12.9001)				4							4		
4B	179823	BOLT, 5/16"-18 X 1 5/8" (12.9001)				1									
4B	179826	BOLT, 5/16"-18 X 2" (12.9001)										1		1	
4B	272545	BOLT, 5/16"-18 X 5 1/4" (12.9001)			7										
4B	455971	BOLT, 5/16"-18 X 5 1/2" (12.9001)						7	7						
4B	215386	BOLT, 5/16"-18 X 6 (12.9001)			1										
4B	214054	BOLT, 5/16"-18 X 6 1/4" (12.9001)						1	1						
4B	446597	BOLT, 5/16"-18 X 6 1/2" (12.9001)		7						7	7		7		
4B	447188	BOLT, 5/16"-18 X 6 3/4" (12.9001)										3		3	
4B	180737	BOLT, 5/16"-18 X 7" (12.9001)		1											

4.4000A OIL COOLER AND MARINE GEAR LINES

			TYPES												
..FIG	PART NUMBER	NAME AND DESCRIPTION	7 9 6	7 9 7	7 9 8	7 9 9	8 0 0	8 0 1	8 0 2	8 0 3	8 0 4	8 0 5	8 0 6	8 0 7	8 1 2
4.4060 - COVER, OIL COOLER HOUSING (CONT'D)															
4B	9437758	BOLT, 5/16"-18X7 1/4" (12.9001)								1	1		1		
4B	274682	BOLT, 5/16"-18X7 3/4" (12.9001)					7								
4B	216857	BOLT, 5/16"-18X8" (12.9001)	7												
4B	9428440	BOLT, 5/16"-18X8 1/2" (12.9001)	1				1								
4B	120393	WASHER, 5/16" (12.9190)	8	8	8	8	8	8	8	8	8	8	8	8	
4B	103320	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8	
	114493	LOCKNUT, 5/16"-24 (2.7170)				3									
4.4110 - ADAPTOR, OIL COOLER															
	5103855	ADAPTOR, 4-53	1	1	1		1	1		1			1		1
4B	5123413	+ ADAPTOR, 3-53							1		1				
4B	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4	4	4		4	4	4	4	4		4		
4B	8921932	BOLT, 3/8"-16X1 1/4" (12.9001)													4
4B	179847	BOLT, 3/8"-16X2" (12.9001)	2	2	2		2	2	2	2	2		2		2
	5145225	WASHER, .39" COPPER (2.7001)													4
4B	5138619	WASHER, 25/64" (4.1512)													4
4B	103321	LOCKWASHER, 3/8" (12.9200)	6	6	6		6	6	6	6	6		6		
		+ NOT SERVICED, FOR SERVICE USE 5103907 AND 1-5103906 GASKET.													
4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK															
4A,B	8923738	GASKET, 6V53	3	3	3		3	3	3	3	3		3		3
4A,B	5103906	GASKET, 4-53	1	1	1		1	1	1	1	1		1		1
4.4211 - CONNECTION, OIL COOLER WATER INLET															
	5108605	ELBOW (5.3420)				1									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				2									
	103341	WASHER, 3/8" (12.9190)				2									
	103321	LOCKWASHER, 3/8" (12.9200)				2									
4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION															
	5120540	GASKET (4.5007)				1									

4.4000A OIL COOLER AND MARINE GEAR LINES

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	8 1 4	8 1 5	8 2 0	8 2 4	8 3 2	8 3 8	8 4 1	8 4 3	8 4 4	8 4 5	8 4 7	8 4 8
4.4001 - CORE, OIL COOLER-ENGINE														
4B,C	8528885	CORE ASSY., 6V53 (16 PLATE)	2	2	1	1			1					
4B	8539953	CORE ASSY., 4-53 (8 PLATE)					1			2	2			
4B	8544803	CORE ASSY., 6V53 (18 PLATE)						2						
4B	8545373	CORE ASSY., 6V53 (12 PLATE)							1					
4A	8501328	CORE ASSY., 4-53 (6 PLATE)											1	1
4.4030 - GASKET, OIL COOLER CORE-INNER														
4A,B,C	5150155	GASKET	2	2	1	2	1		2	2	2		1	1
4B	5104881	GASKET						2						
4.4040 - GASKET, OIL COOLER CORE-OUTER														
4A,B,C	5102506	GASKET	1	2	1	1	1		2	2	2	1	1	1
4B	5107889	GASKET						1						
4B	5104868	GASKET						1						
4.4050 - HOUSING, OIL COOLER-ENGINE														
	5133427	HOUSING, 6V53	1	1										
4C	5101032	HOUSING, 6V53			1									
	5116492	HOUSING, 4-53				1								
	5119454	HOUSING, 4-53					1							
	5104801	HOUSING, 6V53						1						
	5140391	HOUSING, 6V53							1					
4B	5116491	HOUSING, 4-53								1	1			
4A	5119451	HOUSING, 3-53											1	
	5119452	HOUSING, 3-53												1
4A,B,C	103647	DRAINCOCK, 1/4" (12.9510)	1	1		1	1		1	1	1			
	8923313	PLUG, 3/4" PIPE (12.9550)				2			1					
	5121182	PLUG, 1/4" PIPE (2.4015)											1	1
4B	179829	BOLT, 5/16"-18 X 2 3/4" (12.9001)						2						

4.4000A OIL COOLER AND MARINE GEAR LINES

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	8 1 4	8 1 5	8 2 0	8 2 4	8 3 2	8 3 8	8 4 1	8 4 3	8 4 4	8 4 5	8 4 7	8 4 8
4.4050 - HOUSING, OIL COOLER-ENGINE (CONT'D)														
4A	179830	BOLT, 5/16"-18X3" (12.9001)											7	7
4A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)					8						1	1
4C	215404	BOLT, 5/16"-18X5 3/4" (12.9001)			6									
4B	215386	BOLT, 5/16"-18X6" (12.9001)	5	5					5					
4B	446597	BOLT, 5/16"-18X6 1/2" (12.9001)						2						
4B	9437758	BOLT, 5/16"-18X7 1/4" (12.9001)						4			1			
4B	120393	WASHER, 5/16" (12.9001)	5	5				8	5					
4A,B,C	103320	LOCKWASHER, 5/16" (12.9200)	5	5	6		8	8					8	8
4.4060 - COVER, OIL COOLER HOUSING														
	5186603	COVER, 6V53	1											
4B	5123214	% COVER, 6V53		1					1					
	5146505	COVER, 4-53				1								
	5107888	COVER, 6V53						1						
	5176362	% COVER, 4-53								1				
	5107975	COVER, 4-53									1		1	
	8924159	BUSHING, 3/4"X3/8" RED. (12.9570)											2	
	8924169	CONNECTOR, 1/2" TUBE 3/8" PT. INV. (12.9460)											2	
	187398	COUPLING, 3/4"X1 5/8" PIPE (12.9580)	1	1										
	8924216	ELBOW, 3/8" INV. FLARED TUBE (12.9480)											1	
	8924164	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)	1	1										
	5115214	PLUG, 1/2" PIPE (12.9550)				2								
	8923313	PLUG, 3/4" PIPE (12.9550)									2		2	
	5111798	PLUG, 1" PIPE (12.9550)						4						
	5106532	STUD, 5/16"-18-24X9.97"		3										
	5107891	STUD, 5/16"-18-24X12.08"						1						
	5107890	STUD, 5/16"-18-24X12 3/4"						3						
4B	179822	BOLT, 5/16"-18X1 1/2" (12.9001)	5	5					4					
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)											7	
4B	186648	BOLT, 5/16"-18X1 7/8" (12.9001)							1					
	179826	BOLT, 5/16"-18X2" (12.9001)											1	
4B	179829	BOLT, 5/16"-18X2 3/4" (12.9001)						4						
4B	446597	BOLT, 5/16"-18X6 1/2" (12.9001)				8				8	8			
4B	180737	BOLT, 5/16"-18X7" (12.9001)							2					
4B	5105257	BOLT, 5/16"-18X7 3/8" (12.9001)							1					
4B	120393	WASHER, 5/16" (12.9190)	8	8				8		8	8	8		
4B	103320	LOCKWASHER, 5/16" (12.9200)	8	8		8		8	8	8	8			
	114493	LOCKNUT, 5/16"-24 (2.7170)	3	3				4						
		% NOT SERVICED. FOR SERVICED USE 5107975 AND 2-5142549 PLUGS.												
4.4110 - ADAPTOR, OIL COOLER														
	5103855	ADAPTOR, 4-53					1			1	1			1
	8925675	ADAPTOR ASSY., 6V53 (INCLUDES HELI-COILS IN 4.4110)												
4A	5103907	ADAPTOR, 4-53				1			1				1	
	452692	HEL-COIL, 3/8"-16X9/16" (12.9118)							2					
4B	186629	BOLT, 5/16"-18X1" (12.9001)							1					
4B	179839	BOLT, 3/8"-16X1" (12.9001)							2					
4A,B	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				4	4			4	4		4	4
4A,B	179847	BOLT, 3/8"-16X2" (12.9001)				2	2			2	2		2	2
4B	120393	WASHER, 5/16" (12.9190)							1					
4B	103341	WASHER, 3/8" (12.9190)							2					
4B	103320	LOCKWASHER, 5/16" (12.9200)							1					
4A,B	103321	LOCKWASHER, 3/8" (12.9200)				6	6		2	6	6		6	6

4.4000A OIL COOLER AND MARINE GEAR LINES

PART			TYPES													
..FIG ..	NUMBER	NAME AND DESCRIPTION	8 1 4	8 1 5	8 2 0	8 2 4	8 3 2	8 3 8	8 4 1	8 4 3	8 4 4	8 4 5	8 4 7	8 4 8		
4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK																
4A,B	8923738	GASKET				3	3			3	3		3	3		
4A,B	5103908	GASKET				1	1			1	1		1	1		
	5104848	GASKET						1								
4.4211 - CONNECTION, OIL COOLER WATER INLET																
	5108605	ELBOW (5.3420)	1	1												
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2												
	103341	WASHER, 3/8" (12.9190)	2	2												
	103321	LOCKWASHER, 3/8" (12.9200)	2	2												
4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION																
	5120540	GASKET (4.5007)	1	1												
4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET																
4D	5147571	HOSE ASSY., #6X100" (TEFLON) (4.1597)											1			
4D	5147580	HOSE ASSY., #8X33.5" (TEFLON) (4.4335)											1			
4D	9432266	CONNECTOR, 3/8" TUBE, 1/8" P.T. (12.9460)											1			
4D	137425	ELBOW, 1/2" TUBE X 3/8" P.T., INV. FLARED (12.9480)											1			
4D	8924162	ELBOW, 1/2" TUBE X 3/8" P.T., 45 DEG. (12.9480)											1			
4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET																
4D	5147579	HOSE ASSY., #8X26.5" (TEFLON) (4.4330)											1			
4.4345 - CLIP, OIL COOLER LINES																
	5144934	CLIP, HOSE #8 TEFLON (4.4330)											2			
	5173022	BRACKET (5.5379)											1			
	186627	BOLT, 3/8"-24X1" (12.9001)											1			
	103321	LOCKWASHER, 3/8" (12.9200)											1			
	117049	NUT, 3/8"-24 (12.9120)											1			

4.4000A OIL COOLER AND MARINE GEAR LINES

			TYPES												
FIG	PART NUMBER	NAME AND DESCRIPTION	849	850	851	852	853	854	864	866	869	875	923	961	962
4.4001 - CORE ASSY., OIL COOLER															
4B	8539953	CORE ASSY., 4-53 (8 PLATE)	1			1						1	1	1	
4B,C	8545373	CORE ASSY., 4-53 (12 PLATE)		1	1		1	1			1	1	1	1	
4B	8528885	CORE ASSY., 6V53 (16 PLATE)						1		2	1				
4B	8541903	CORE ASSY., 6V53 (18 PLATE)													1
4.4030 - GASKET, OIL COOLER CORE-INNER															
4A,B,C	5150155	GASKET	1	1	1	1	1	2	1	2	2	1	3	3	1
4.4040 - GASKET, OIL COOLER CORE-OUTER															
4A,B,C	5102506	GASKET	1	1	1	1	1	2			2	1	2		
4A,B,C	8923223	GASKET							1	2				2	1
4.4050 - HOUSING, OIL COOLER-ENGINE															
4A	5119453	HOUSING, 4-53	1									1			
	5137989	HOUSING, 4-53		1											
	5135915	HOUSING, 6V53			1										
	5119454	HOUSING, 4-53				1									
4C	5137790	HOUSING, 6V53					1								
	5140391	HOUSING, 6V53						1							
	8920668	HOUSING, 6V53								1					
	5135914	HOUSING, 6V53									1				
	5116492	HOUSING, 3-53											1	1	
	5101032	HOUSING, 6V-53													1
	8924140	DRAINCOCK, 1/4" (12.9510)								2	1	1	1	1	
	5121182	PLUG, 1/4" PIPE (2.4015)	1	2	2	1	2	2							2
	8923313	PLUG, 3/4" PIPE (12.9550)			1		1	1		1	2		2	2	2
4B	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	8			8						8			
4B,C	186650	BOLT, 5/16"-18X4 3/4" (12.9001)		6	8		8								6
4B,C	215404	BOLT, 5/16"-18X5 3/4" (12.9001)													
4B,C	215386	BOLT, 5/16"-18X6" (12.9001)						5			5				
	180737	BOLT, 5/16"-18X7" (12.9001)								5					
	120393	WASHER, 5/16" (12.9190)											8		
4B,C	103320	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	5		5	5	8	8		6
4.4060 - COVER, OIL COOLER HOUSING															
4B	5123214	% COVER, 6V53						1	1		1				
	5107975	COVER, 3, 6V53								1			1	1	
	8923313	PLUG, 3/4" PIPE (12.9550)								2					
	5129499	SPACER, 1 3/16" THK. (4.4050)											1	1	
	8924159	BUSHING, 3/4"X3/8" RED. (12.9570)													
	8924148	CONNECTOR, 1/2" TUBE (12.9380)							2						
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)								4					
4B	106327	BOLT, 5/16"-18X1 3/8" (12.9001)													
4B	179822	BOLT, 5/16"-18X1 1/2" (12.9001)						3			4				
4B	180737	BOLT, 5/16"-18X7" (12.9001)						3			2				
4B	179826	BOLT, 5/16"-18X2" (12.9001)							1	1					
4B	180739	BOLT, 5/16"-18X7 1/2" (12.9001)									1				
4B	274682	BOLT, 5/16"-18X7 3/4" (12.9001)											7	7	
	216857	BOLT, 5/16"-18X8" (12.9001)									3				
4B	9428440	BOLT, 5/16"-18X8 1/2" (12.9001)											1	1	
4B	120393	WASHER, 5/16" (12.9190)							8	8	8			8	
4B	103320	LOCKWASHER, 5/16" (12.9200)						8	8	8	8			8	
% NOT SERVICED. FOR SERVICED USE 5107975 AND 2-5142549 PLUGS.															

4.4000A OIL COOLER AND MARINE GEAR LINES

PART			TYPES												
..FIG	NUMBER	NAME AND DESCRIPTION	8 4 9	8 5 0	8 5 1	8 5 2	8 5 3	8 5 4	8 6 4	8 6 6	8 6 9	8 7 5	9 2 3	9 6 1	9 6 2
4.4110 - ADAPTOR, OIL COOLER															
4A	5103907	ADAPTOR, 4-53	1									1	1	1	
	5103855	ADAPTOR, 4-53				1									
4A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4			4						4	4		
4A	8921932	BOLT, 3/8"-16X1 1/4" W/PATCH (12.9001)													4
4A	179847	BOLT, 3/8"-16X2" (12.9001)	2			2						2	2	2	2
4A	5138619	WASHER, 25/64"X3/4"X.083"													4
4A	103321	LOCKWASHER, 3/8" (12.9200)	6			6						6	6	2	
4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK															
4A,B	5103906	GASKET	1			1						1	1	1	
4A,B	8923738	GASKET	3			3						3	3	3	
4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET															
4D	5123321	HOSE ASSY., 13/32"X31"							1						
4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET															
4D	5137685	HOSE ASSY., 13/32"X33" (COOLER TO SELECTOR VALVE)							1						
4D	5132618	HOSE ASSY., 13/32"X26 1/2" (COOLER TO REV. VALVE)							1						
4D	120142	ELBOW, 90 DEG. 1/2" PIPE (12.9390)							1						
4D	8924150	ELBOW, 90 DEG. FL. 1/2" TUBE (BRASS) (12.9390)							1						
4.4345 - CLIP, OIL COOLER LINES															
	5144629	BRACKET, CLIP (4.6040)							1						
	2476234	CLIP, HOSE (2.5070)							2						
	186627	BOLT, 3/8"-24X1" (12.9001)							1						
	103321	LOCKWASHER, 3/8" (12.9200)							1						
	117049	NUT, 3/8"-24 (12.9120)							1						

4.4000A OIL COOLER AND MARINE GEAR LINES

PART ..FIG .. NUMBER .. NAME AND DESCRIPTION ..			TYPES											
			9 6 5	9 6 6	9 6 7	9 8 8	9 8 9	9 7 7	9 9 4	1 0 0 0	1 0 1 8	1 0 2 3	1 0 2 7	1 0 3 1
4.4001 - CORE ASSY., OIL COOLER														
4D	5102389	CORE ASSY., 4-53 (8 PLATE)	1											1
	8547273	CORE ASSY., 6V53 (8 PLATE)			1									
4B	8545373	CORE ASSY., 6V53 (12 PLATE)				1			1					
4B	8547550	CORE ASSY., 6V53 (6 PLATE)				1								
4C	8541903	CORE ASSY., 6V53 (18 PLATE) (ENGINE)					1				1	1	1	
4B	8501328	CORE ASSY., 3-53 (6 PLATE)						2						
4B	8544803	CORE ASSY., 6V53 (18 PLATE)								1				
	8529879	CORE ASSY., 6V53 (10 PLATE) (DIFF.)									1			
	8529880	CORE ASSY., 6V53 (14 PLATE) (TORQUE CONVERTER)									1			
	8528885	CORE ASSY., 6V53 (16 PLATE) (TORQUE CONVERTER)										1	1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)			8									
	5133539	WASHER									4			
	103320	LOCKWASHER, 5/16" (12.9200)			8						4			
	5133538	NUT, 1 3/8"-16												
4.4030 - GASKET, OIL COOLER CORE INNER														
4D	5120896	GASKET (4.4040)	1											1
	5144703	GASKET (5.5050)			1									
4B,C	5150155	GASKET				2	1	2	1	1	1	2	2	
4B	5104881	GASKET								1				
4.4040 - GASKET, OIL COOLER CORE OUTER														
4B	5102506	GASKET		1		2								
4C	8923223	GASKET					1	2	1	1	1	2	2	
	5104888	GASKET								1				
	5133537	GASKET									1			
	5133619	GASKET									4			
4.4050 - HOUSING, OIL COOLER														
4D	5122566	HOUSING, 4-53	1											
4B	5135516	HOUSING, 6V53				1								
4C	5106671	HOUSING, 6V53					1							
	5116490	HOUSING, 3-53						1						
4C	8923508	+ HOUSING, 6V53							1					
	5106249	HOUSING, 6V53								1				
	5133532	HOUSING, 6V53									1			
	8920668	HOUSING, 6V53										1		
	5133427	HOUSING, 6V53											1	
	5121183	HOUSING, 4-53												1
	5142549	PLUG, 3/4" PIPE (12.9550)				2	1		1					
	8923313	PLUG, 3/4" PIPE (12.9550)										1		
	8924140	DRAINCOCK, 1/4" (12.9510)				2	2	1			1	2	1	
4D	186618	BOLT, 5/16"-18X5/8" (12.9001)	8											8
4D	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	1											1
4B	186650	BOLT, 5/16"-18X4 3/4" (12.9001)				8			8					
4D	186274	BOLT, 5/16"-18X5" (12.9001)												1
4C	215404	BOLT, 5/16"-18X5 3/4" (12.9001)	1					6						
	215386	BOLT, 5/16"-18X6" (12.9001)									5		5	
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)								3				
	180737	BOLT, 5/16"-18X7" (12.9001)										5		
4D	9437758	BOLT, 5/16"-18X7 1/4" (12.9001)								7				
	120393	WASHER, 5/16" (12.9120)								10	5		5	
4D	103320	LOCKWASHER, 5/16" (12.9200)	10			8	6		8	10	5	5	5	10
		+ OBSOLETE.												

4.4000A OIL COOLER AND MARINE GEAR LINES

PART			TYPES											
..FIG	NUMBER	NAME AND DESCRIPTION	9 6 5	9 6 6	9 6 7	9 6 8	9 6 9	9 7 7	9 9 4	1 0 0 0	1 0 1 8	1 0 2 3	1 0 2 7	1 0 3 1
4.4055 - GASKET, OIL COOLER HOUSING (TO BLOCK)														
4D	5116357	GASKET (1.1070)	1											1
4.4060 - COVER, OIL COOLER HOUSING														
	5107975	COVER				1						1	1	
	5186603	COVER, 3-53						1						
	5133536	COVER, 6V53								1				
	5115214	PLUG, 1/2" PIPE (12.9550)									1			
	8923313	PLUG, 3/4"-14 PIPE (12.9550)										2		2
	5102982	PLUG, 3/4" PIPE (12.9550)												2
	5133960	STUD, 5/16"-18-24X9.60" (12.9117)												3
	8924164	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)												1
	187398	COUPLING, 3/4"X1 5/8" PIPE (12.9580)												1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				7					17			
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)										4	4	
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)											1	
	179826	BOLT, 5/16"-18X2" (12.9001)			1							1		
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)						8						
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)								3				
	216857	BOLT, 5/16"-18X8" (12.9001)									3	3		
	120393	WASHER, 5/16" (12.9190)				8		8			20	8	8	
	103320	LOCKWASHER, 5/16" (12.9200)				8		8			20	8	8	
	114493	NUT, 5/16"-24 (2.7170)											3	
4.4110 - ADAPTOR, OIL COOLER														
4A	5103907	ADAPTOR, 3-53						1						
4A	8925675	ADAPTOR ASSY., 6V53 (INCLUDES HEL-COILS IN 4.4110)								1				
	452692	HEL-COIL, 3/8"-16X9/16" (12.9118)								2				
4A	8921932	BOLT, 3/8"-16X1 1/4" (12.9001)						4						
4A	186629	BOLT, 5/16"-18X1" (12.9001)								1				
4A	179839	BOLT, 3/8"-16X1" (12.9001)								2				
4A	179847	BOLT, 3/8"-16X2" (12.9001)						2						
	120393	WASHER, 5/16" (12.9120)								1				
	103341	WASHER, 3/8" (12.9120)								2				
4A	5138619	WASHER, 25/64"X3/4"X.083"						4						
	103320	LOCKWASHER, 5/16" (12.9200)								1				
4A	103321	LOCKWASHER, 3/8" (12.9200)						2		2				

4.4000A OIL COOLER AND MARINE GEAR LINES

PART			TYPES											
..FIG	NUMBER	NAME AND DESCRIPTION	9 6 5	9 6 6	9 6 7	9 6 8	9 6 9	9 7 7	9 9 4	1 0 0 0	1 0 1 8	1 0 2 3	1 0 2 7	1 0 3 1
4.4115 - GASKET, OIL COOLER ADAPTOR														
4A	5103906	GASKET, 3-53						1						
4A	8923738	GASKET, 3-53						3						
	5104846	GASKET, 6V53								1				
4.4211 - CONNECTION, OIL COOLER WATER INLET														
	5108605	ELBOW (5.3420)											1	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											2	
	103341	WASHER, 3/8" (12.9190)											2	
	103321	LOCKWASHER, 3/8" (12.9200)											2	
4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION														
	5120540	GASKET								1				1
4.4213 - HOSE, OIL COOLER WATER INLET														
4A	5199777	* HOSE, 1 7/8"X1 1/2" (5.3422)	1											1
	5104846	GASKET, 6V53								1				
		* STANDARD LENGTH HOSE, CUT TO LENGTH SHOWN.												
4.4214 - CLAMP, OIL COOLER WATER INLET														
4D	8920537	CLAMP, 1 9/16"-2 1/2" DIA. (12.9660)	2											2
4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET														
4D	5123320	HOSE ASSY., 13/32"X38" L.	1	2										
	5123317	HOSE ASSY., 13/32"X44" L.	1											
4D	8923736	HOSE ASSY., #8X60" L.			1									
	8924158	BUSHING, 1/2"X3/8" RD. (12.9570)		2										
4D	144128	ELBOW, 3/8" PIPE, 90 DEG. (12.9600)		1										
4D	8924150	ELBOW, 3/8"X1/2" PIPE (12.9390)		3	1									
	8924201	ELBOW, 1/2" TUBE, 45 DEG.	1											
	120142	ELBOW, 1/2" TUBE, 90 DEG.	1											
4D	8924220	ELBOW, 1/2" TUBE, 90 DEG. (3.5505)			1									
4D	8924177	TEE, 3/8"-18 (12.9616)		1										
	144606	NIPPLE, 3/8"X1 1/2" (12.9560)	1											
	144603	NIPPLE, 3/8"X3"	1											
	179816	BOLT, 5/16"-18X3/4" (12.9001)		8										
	103320	LOCKWASHER, 5/16" (12.9200)		8										
4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET														
4D	8923737	HOSE ASSY., #8X66" L. (9.1587)			1									
	8926603	HOSE ASSY., #8X56.24" L.												1
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)		1										
4D	8924150	ELBOW, 3/8"X1/2" PIPE (12.9390)		1	1									
	8924201	ELBOW, 1/2" TUBE, 45 DEG. (12.4090)												1
4D	8924220	ELBOW, 1/2" TUBE, 90 DEG. (3.5505)			1									
	120142	ELBOW, 1/2" TUBE, 90 DEG. (12.9390)												1
	444122	TEE, 3/8"-18 PIPE (12.9616)			1									
	144606	NIPPLE, 3/8"X1 1/2" (12.9560)		1										1
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)			1									

TYPES

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PART ..FIG .. NUMBER .. NAME AND DESCRIPTION ..			TYPES																	
			1 0 3 2	1 0 3 3	1 0 3 6	1 0 3 7	1 0 7 5													
4.4001 - CORE ASSY., OIL COOLER																				
4B	8541903	CORE ASSY., 6V53 (18 PLATE) (ENGINE)	1																	
4B	8528885	CORE ASSY., 6V53 (16 PLATE) (TORQUE CONVERTER)	1																	
4D	5102389	CORE ASSY., 4-53 (8 PLATE)		1																
4A,B	8547581	CORE ASSY., 3-53 (13 PLATE) (ENGINE)			1		1													
	8544803	CORE ASSY., 6V53 (18 PLATE)					2													
4B	8547563	CORE ASSY., 3-53 (8 PLATE) (TORQUE CONVERTER)						1												
4D	186618	BOLT, 5/16"-18X5/8" (12.9001)		8																
4D	103320	LOCKWASHER, 5/16" (12.9200)		8																
4.4030 - GASKET, OIL COOLER CORE-INNER																				
4A,B	5150155	GASKET	2		1		3													
	5120896	GASKET (4.4040)	1																	
	5104868	GASKET				1														
	5104881	GASKET				1														
4.4040 - GASKET, OIL COOLER CORE-OUTER																				
4A,B	8923223	GASKET	2		1		2													
	5107889	GASKET				1														
4.4050 - HOUSING, OIL COOLER-ENGINE																				
4B	5133427	HOUSING, 6V53	1																	
4D	5122566	HOUSING, 4-53		1																
4A	8926728	HOUSING, 3-53			1															
	5104801	HOUSING, 6V53				1														
4B	5116491	HOUSING, 3-53						1												
4A,B	8924140	DRAINCOCK, 1/4" (12.9510)	1		1															
	5129499	SPACER, OIL COOLER HOUSING						1												
4D	179819	BOLT, 5/16"-18X1 1/8" (12.9001)		1																
4A	179829	BOLT, 5/16"-18X2 3/4" (12.9001)					6													
	186274	BOLT, 5/16"-18X5" (12.9001)		1	8															
4B	215386	BOLT, 5/16"-18X6" (12.9001)	5																	
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)					2													
	9437758	BOLT, 5/16"-18X7.25" (12.9001)					4													
	120393	WASHER, 5/16" (12.9190)	5				12													
4A,B	103320	LOCKWASHER, 5/16" (12.9200)	5	2	8	12														
4.4055 - GASKET, OIL COOLER HOUSING (TO BLOCK)																				
4D	5116357	GASKET (1.1070)		1																

. TYPES

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4.4000A OIL COOLER AND MARINE GEAR LINES

PART		NAME AND DESCRIPTION	TYPES														
FIG	NUMBER		1	1	1	1	1										
			0	0	0	0	0										
			3	3	3	3	3										
			2	3	6	7	5										
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION															
	5120540	GASKET		1													
		4.4213 - HOSE, OIL COOLER WATER INLET															
	5199777	* HOSE, 1 7/8"X1 1/2" (5.3422)		1													
		* STANDARD LENGTH HOSE, CUT TO LENGTH SHOWN.															
		4.4214 - CLAMP, OIL COOLER WATER INLET															
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. (12.9660)		2													
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET															
4D	8926604	HOSE ASSY., #8X40.74" L.		1													
4D	120142	ELBOW, 1/2" TUBE, 90 DEG. (12.9390)		1													
4D	8924148	CONNECTOR, 1/2" TUBE, 45 DEG. (12.9380)		1													
4D	144606	NIPPLE, 3/8"X1 1/2" PIPE (12.9560)		1													
		4.4343 - HOSE, MARINE GEAR OIL COOLER TO SELECTOR VALVE															
	8926602	HOSE ASSY., #8X42.24" L.		1													
	8924201	ELBOW, 1/2" TUBE, 45 DEG. (12.4090)		1													
	120142	ELBOW, 1/2" TUBE, 90 DEG. (12.9390)		1													
	144603	NIPPLE, 3/8"X3" PIPE (12.9560)		1													
		4.4345 - CLIP, OIL COOLER LINES															
	5145429	CLIP, 7/8"		4													