

4.4000A OIL COOLER AND MARINE GEAR LINES

			TYPES												
PART	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															
4C	5133427		HOUSING, 6V53	1	1										
	5101032		HOUSING, 6V53			1									
	5116492		HOUSING, 4-53				1								
	5119454		HOUSING, 4-53					1							
	5104801		HOUSING, 6V53						1						
4B	5140391		HOUSING, 6V53							1					
4B	5116491		HOUSING, 4-53								1	1			
4A	5119451		HOUSING, 3-53											1	
4A,B,C	5119452		HOUSING, 3-53												1
4A,B,C	103647		DRAINCOCK, 1/4" (12.9510)	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						

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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														
4B	5186603	COVER, 6V53	1											
	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						
4B	103320	LOCKWASHER, 5/16" (12.9200)	8	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	
	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

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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	5103906	GASKET				1	1			1	1		1	1
	5104846	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	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
4.4001 - CORE ASSY., OIL COOLER															
IB	8539953	CORE ASSY., 4-53 (8 PLATE)	1			1						1	1	1	
IB,C	8545373	CORE ASSY., 4-53 (12 PLATE)		1	1		1	1			1		1	1	
IB	8528885	CORE ASSY., 6V53 (16 PLATE)						1		2	1				
IB	8541903	CORE ASSY., 6V53 (18 PLATE)													1
4.4030 - GASKET, OIL COOLER CORE-INNER															
IA,B,C	5150155	GASKET	1	1	1	1	1	2	1	2	2	1	3	3	1
4.4040 - GASKET, OIL COOLER CORE-OUTER															
IA,B,C	5102506	GASKET	1	1	1	1	1	2			2	1	2		
IA,B,C	8923223	GASKET							1	2				2	1
4.4050 - HOUSING, OIL COOLER-ENGINE															
IA	5119453	HOUSING, 4-53	1									1			
	5137989	HOUSING, 4-53		1											
	5135915	HOUSING, 6V53			1										
	5119454	HOUSING, 4-53				1									
IC	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
IB	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	8			8						8			
IB,C	186650	BOLT, 5/16"-18X4 3/4" (12.9001)		6	8		8								
IB,C	215404	BOLT, 5/16"-18X5 3/4" (12.9001)													6
IB,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		
IB,C	103320	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	5		5	5	8	8		6
4.4060 - COVER, OIL COOLER HOUSING															
IB	5123214	% COVER, 6V53						1	1		1				
	5107975	COVER, 3, 6V53													
	8923313	PLUG, 3/4" PIPE (12.9550)								1			1	1	
	5129499	SPACER, 1 3/16" THK. (4.4050)								2					
	8924159	BUSHING, 3/4"X3/8" RED. (12.9570)											1	1	
	8924148	CONNECTOR, 1/2" TUBE (12.9380)							2						
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)													
IB	106327	BOLT, 5/16"-18X1 3/8" (12.9001)							7						
IB	179822	BOLT, 5/16"-18X1 1/2" (12.9001)													
IB	180737	BOLT, 5/16"-18X7" (12.9001)						3			4				
IB	179826	BOLT, 5/16"-18X2" (12.9001)						3			2				
B	180739	BOLT, 5/16"-18X7 1/2" (12.9001)							1	1					
B	274682	BOLT, 5/16"-18X7 3/4" (12.9001)											7	7	
	216857	BOLT, 5/16"-18X8" (12.9001)													
B	9428440	BOLT, 5/16"-18X8 1/2" (12.9001)									3				
B	120393	WASHER, 5/16" (12.9190)							8	8	8				
B	103320	LOCKWASHER, 5/16" (12.9200)							8	8	8	8			
% NOT SERVICED. FOR SERVICED USE 5107975 AND 2-5142549 PLUGS.															

4.4000A OIL COOLER AND MARINE GEAR LINES

			TYPES												
FIG	PART 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	
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						

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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		
4.4001 - CORE ASSY., OIL COOLER																
D	5102389	CORE ASSY., 4-53 (8 PLATE)	1											1		
	8547273	CORE ASSY., 6V53 (8 PLATE)			1											
B	8545373	CORE ASSY., 6V53 (12 PLATE)				1			1							
B	8547550	CORE ASSY., 6V53 (6 PLATE)				1										
C	8541903	CORE ASSY., 6V53 (18 PLATE) (ENGINE)					1				1	1	1			
B	8501328	CORE ASSY., 3-53 (6 PLATE)						2								
B	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											
	5133538	NUT, 1 3/8"-16									4					
4.4030 - GASKET, OIL COOLER CORE INNER																
ID	5120896	GASKET (4.4040)	1											1		
	5144703	GASKET (5.5050)			1											
IB,C	5150155	GASKET				2	1	2	1		1	2	2			
IB	5104881	GASKET								1						
4.4040 - GASKET, OIL COOLER CORE OUTER																
IB	5102506	GASKET		1		2										
IC	8923223	GASKET					1	2	1		1	2	2			
	5104868	GASKET								1						
	5133537	GASKET									1					
	5133619	GASKET									4					
4.4050 - HOUSING, OIL COOLER																
ID	5122566	HOUSING, 4-53	1													
IB	5135516	HOUSING, 6V53				1										
IC	5106671	HOUSING, 6V53					1									
	5116490	HOUSING, 3-53						1								
IC	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			
ID	186618	BOLT, 5/16"-18X5/8" (12.9001)	8											8		
ID	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	1											1		
IB	186650	BOLT, 5/16"-18X4 3/4" (12.9001)				8			8							
ID	186274	BOLT, 5/16"-18X5" (12.9001)	1											1		
IC	215404	BOLT, 5/16"-18X5 3/4" (12.9001)					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				
ID	9437758	BOLT, 5/16"-18X7 1/4" (12.9001)								7						
	120393	WASHER, 5/16" (12.9120)								10	5		5			
ID	103320	LOCKWASHER, 5/16" (12.9200)	10			8	6		8	10	5	5	5	10		
		+ OBSOLETE.														

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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		
	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			

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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																
A	5103906	GASKET, 3-53						1								
A	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																
	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																
ID	8920537	CLAMP, 1 9/16"-2 1/2" DIA. (12.9660)	2											2		
4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET																
ID	5123320	HOSE ASSY., 13/32"X38" L.	1	2												
	5123317	HOSE ASSY., 13/32"X44" L.	1													
ID	8923736	HOSE ASSY., #8X60" L.			1											
	8924158	BUSHING, 1/2"X3/8" RD. (12.9570)		2												
ID	144128	ELBOW, 3/8" PIPE, 90 DEG. (12.9600)		1												
ID	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													
ID	8924220	ELBOW, 1/2" TUBE, 90 DEG. (3.5505)			1											
ID	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																
ID	8923737	HOSE ASSY., #8X66" L. (9.1587)			1											
	8926603	HOSE ASSY., #8X56.24" L.												1		
	8924158	BUSHING, 1/2"X3/8" RD. (12.9570)		1												
ID	8924150	ELBOW, 3/8"X1/2" PIPE (12.9390)		1	1											
	8924201	ELBOW, 1/2" TUBE, 45 DEG. (12.4090)												1		
ID	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	1											

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	
4.4343 - 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														
2476233	CLIP, 3/4"			2										
5171509	CLIP, 5/8"	8												
5145429	CLIP, 7/8" (7.8320)													4
5173022	BRACKET (5.5379)	2												
5187818	BRACKET (9.3541)			1										
5101020	STRAP, NYLON TIE (2.5255)			3										
186627	BOLT, 3/8"-24X1" (12.9001)	1												
179839	BOLT, 3/8"-16X1" (12.9001)			1										
103321	LOCKWASHER, 3/8" (12.9200)	1		1										
117049	NUT, 3/8"-24 (12.9120)	1												
102635	NUT, 3/8"-16 (12.9120)			1										

4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART 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																		
B	8541903	CORE ASSY., 6V53 (18 PLATE) (ENGINE)	1																	
B	8528885	CORE ASSY., 6V53 (16 PLATE) (TORQUE CONVERTER)	1																	
D	5102389	CORE ASSY., 4-53 (8 PLATE)		1																
A,B	8547581	CORE ASSY., 3-53 (13 PLATE) (ENGINE)			1		1													
	8544803	CORE ASSY., 6V53 (18 PLATE)					2													
B	8547563	CORE ASSY., 3-53 (8 PLATE) (TORQUE CONVERTER)						1												
D	186618	BOLT, 5/16"-18X5/8" (12.9001)		8																
D	103320	LOCKWASHER, 5/16" (12.9200)		8																
		4.4030 - GASKET, OIL COOLER CORE-INNER																		
IA,B	5150155	GASKET	2		1		3													
	5120896	GASKET (4.4040)	1																	
	5104868	GASKET				1														
	5104881	GASKET				1														
		4.4040 - GASKET, OIL COOLER CORE-OUTER																		
IA,B	8923223	GASKET	2		1		2													
	5107889	GASKET				1														
		4.4050 - HOUSING, OIL COOLER-ENGINE																		
1B	5133427	HOUSING, 6V53	1																	
1D	5122566	HOUSING, 4-53		1																
1A	8926728	HOUSING, 3-53			1															
	5104801	HOUSING, 6V53				1														
1B	5116491	HOUSING, 3-53					1													
1A,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																

4.4000A OIL COOLER AND MARINE GEAR LINES

			TYPES				
FIG	PART NUMBER	NAME AND DESCRIPTION	1 0 3 2	1 0 3 3	1 0 3 6	1 0 3 7	1 0 7 5
4.4060 - COVER, OIL COOLER HOUSING							
4B	5186603	COVER	1				
	5107930	COVER				1	
4B	5107975	COVER					1
	8924164	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)	1				
	187398	COUPLING, 3/4"X1 5/8" PIPE (12.9580)	1				
	8923313	PLUG, 3/4" PIPE (12.9550)					2
	5111798	PLUG, 1" PIPE (12.9550)			4		
	5133960	STUD, 5/16"-18-24X9.60" (12.9117)	3				
	5107891	STUD, 5/16"-18-24X12.08"				1	
	5107890	STUD, 5/16"-18-24X12.75"				3	
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)	5				
4B	274682	BOLT, 5/16"-18X7 3/4" (12.9001)					7
4B	9428440	BOLT, 5/16"-18X8 1/2" (12.9001)					1
	120393	WASHER, 5/16" (12.9190)	8			4	8
4B	103320	LOCKWASHER, 5/16" (12.9200)	8			4	8
	114493	NUT, 5/16"-24 (2.7170)	3			4	
4.4110 - ADAPTOR, OIL COOLER							
4B	5103855	ADAPTOR			1		1
	8925675	ADAPTOR ASSY. (INCLUDES HELICOILS IN 4.4110)				1	
	452692	HELICOIL, 3/8"-16X9/16" (12.9118)				2	
	186629	BOLT, 5/16"-18X1" (12.9001)				1	
	179839	BOLT, 3/8"-16X1" (12.9001)				2	
	8921932	BOLT, 3/8"-16X1.25" W/SEAL PATCH (12.9001)			4		4
	179847	BOLT, 3/8"-16X2" (12.9001)			2		2
	120393	WASHER, 5/16" (12.9190)				1	
	103341	WASHER, 3/8" (12.9190)				2	
	5138619	WASHER, 25/64"X3/4"X.083"			6		4
	103320	LOCKWASHER, 5/16" (12.9200)				1	
	103321	LOCKWASHER, 3/8" (12.9200)			2	2	2
4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK							
4B	5103906	GASKET			1		1
4B	8923738	GASKET			3		3
	5104846	GASKET				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				

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

PART		TYPES					
FIG	NUMBER	NAME AND DESCRIPTION	1	1	1	1	1
			0	0	0	0	0
			3	3	3	3	7
			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) * STANDARD LENGTH HOSE, CUT TO LENGTH SHOWN.		1			
		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					
D	8926604	HOSE ASSY., #8X40.74" L.		1			
D	120142	ELBOW, 1/2" TUBE, 90 DEG. (12.9390)		1			
D	8924148	CONNECTOR, 1/2" TUBE, 45 DEG. (12.9380)		1			
D	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			

DETROIT DIESEL

53 MPC ENGINES

4.5000A OIL FILLER

PART		TYPES											
..FIG ..	NUMBER	NAME AND DESCRIPTION	7	4	5	5	5	5	6	7	7	7	7
			1	4	0	3	5	5	6	4	7	4	7
			8	5	1	4	0	0	0	0	0	7	7
4.5001 - TUBE, OIL FILLER													
8B	5154542	TUBE,2,3,4-53	1										
	5121051	TUBE,2,3,4-53		1					1				
	5126588	# TUBE ASSY.,2,3,4-53					1						
	5132537	TUBE ASSY.,4-53									1		
	5123362	ELBOW (TO FLYWHEEL HOUSING)			1	1							
	186629	BOLT, 5/16"-18X1" (12.9001)			2								
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)									2		
	179857	BOLT, 7/16"-14X7/8" (12.9001)						1					
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)					4						
	103320	LOCKWASHER, 5/16" (12.9200)			2								
	103321	LOCKWASHER, 3/8" (12.9200)									2		
	103322	LOCKWASHER, 7/16" (12.9200)					1						
	103323	LOCKWASHER, 1/2" (12.9200)					4						
		# NOT SERVICED, FOR REPLACEMENT USE 5128208.											
4.5004 - BRACKET, OIL FILLER TUBE CLAMP													
	5132690	BRACKET, CLAMP,4-53										1	
	5127932	CLAMP										1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)										1	
	181360	BOLT, 3/8"-24X3/4" (12.9001)										1	
	103321	LOCKWASHER, 3/8" (12.9200)										2	
	117049	NUT, 3/8"-24 (12.9120)										1	
4.5005 - ADAPTOR, OIL FILLER TUBE													
	5121052	BODY,2,3,4-53							1				
	5128208	ADAPTOR ASSY. (INCLUDES HOOK AND CHAIN IN 4.5030 AND STRAINER IN 4.5020)										1	
	5150829	PLUG, 7/8" CUP (4.8001)							2				
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)							2				
	179857	BOLT, 7/16"-14X7/8" (12.9001)									1		
	122408	BOLT, 1/2"-13X1" (12.9001)									4		
	103320	LOCKWASHER, 5/16" (12.9200)							2				
	103322	LOCKWASHER, 7/16" (12.9200)									1		
	103323	LOCKWASHER, 1/2" (12.9200)									4		
4.5010 - CAP, OIL FILLER													
*	5108474	CAP ASSY. (TWIST)	1										
8B	5120098	CAP ASSY.,2,3,4-53 (EXPANSION, 1.75" DIA.)		1						1			
	5117362	CAP, 3, 6V53									1		
	5145233	CAP ASSY.,2,3,4-53 (SNAP) (4.5001)					1					1	
	5107106	CAP ASSY. (EXPANSION, 1.50" DIA.)			1	1		1					
	5108474	= CAP ASSY.,6V53 (TWIST)							2				
	5140259	@ CAP ASSY.,3-56,6V53										1	1
		* FIG. 9D OF 1.0000.											
		@ INCLUDES 5198208 CHAIN AND 5198207 CLIP IN 4.5030.											
		= QUANTITY (1) FOR MODEL 5083-5399 ON EARLY ENGINES.											

4.5000A OIL, FILLER

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	7	4	5	5	5	5	6	7	7	7	7
			1	4	4	5	5	5	6	7	7	7	7
			8	5		1	4	0					
		4.5020 - STRAINER, OIL FILLER TUBE											
3	5121058	STRAINER, 2,3,4-53		1					1				
	5121412	STRAINER			1	1		1		1			
	5150147	STRAINER											
		4.5030 - CHAIN, OIL FILLER CAP											
	5113825	CHAIN (5.3125)		1				1	1	1			
	5198208	CHAIN, 3-53, 6V53										1	1
	5198207	CLIP										2	2
	5146248	HOOK, FILLER CAP		2				2	2	2			
		4.5050 - GASKET, OIL FILLER TUBE											
	5104506	GASKET, 2,3,4-53 (1.5040)					1						
	5168176	GASKET, 4-53 (4.5007)									1		
	5116391	GASKET, 3, 4-53				1							
		# FIG. 5A OF 1.0000.											

4.5000A OIL FILLER

			TYPES													
FIG	PART NUMBER	NAME AND DESCRIPTION	8 6	9 1	9 2	9 5	9 7	1 0 7	1 1 2	1 1 3	1 1 7	1 1 8	1 2 1	1 2 2	1 4 6	1 6 1
4.5001 - TUBE, OIL FILLER																
8B	5121051	TUBE,2,3,4-53		1		1				1						
	5137391	TUBE,3-53			1											
	5145206	+ TUBE ASSY., 6V53						1								
	5146907	TUBE, 8V53							1							
	5105089	TUBE ASSY., 3, 4-53												1		
	8920837	TUBE ASSY., 3-53													1	
	5156442	FLANGE, PIPE (4.1510)													1	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						2								
	8921932	BOLT, 3/8"-16X1.25" (12.9001)							2							
	5101377	BOLT, 3/8"-16X1" W/SEAL PATCH (5.2020)													2	
	103341	WASHER, 3/8" (12.9190)							2							
	103321	LOCKWASHER, 3/8" (12.9200)						2							2	
		+ OBSOLETE.														
4.5004 - BRACKET, OIL FILLER TUBE CLAMP																
	5145204	+ BRACKET, CLIP,6V53 (90 DEG.)						1								
	5137329	BRACKET, CLIP, 6V53 (90 DEG.) (7.1005)								1						
	5147850	BRACKET, CLIP, 6V53 (90 DEG.)								1						
	5176400	BRACKET (4.8010)								1						
	5174656	CLAMP (8.3842)						1		1						
	186625	BOLT, 5/16"-18X7/8" (12.9001)						1		1						
	186629	BOLT, 5/16"-18 X 1" (12.9001)								1						
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)								1						
	120393	WASHER, 5/16" (12.9190)						1		2						
	103320	LOCKWASHER, 5/16" (12.9200)						1		1						
	103321	LOCKWASHER, 3/8" (12.9200)								1						
	120376	NUT, 5/16"-18 (12.9120)						1		1						
	102635	NUT, 3/8"-16 (12.9120)								1						
		+ OBSOLETE.														
4.5005 - ADAPTOR, OIL FILLER TUBE																
	5121052	BODY,2,3,4-53				1										
	5121057	BODY,3-53 (4.8050)									1					
	5150829	PLUG, 7/8" CUP (4.8001)								2						
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)				2				2						
	103320	LOCKWASHER, 5/16" (12.9200)				2										
4.5010 - CAP, OIL FILLER																
	5117362	CAP,3-53,6V53	1					1	1		1					
*	5108474	CAP ASSY. (TWIST)				1			1						1	
8B	5120098	CAP ASSY.,2,3,4-53 (EXPANSION, 1.75" DIA.)		1	1	1				1		1	1			
	5107106	CAP ASSY. (EXPANSION, 1.50" DIA.)					1							1	1	
	8922944	CAP														1
		* FIG. 9D OF 1.0000.														
4.5020 - STRAINER, OIL FILLER TUBE																
8B	5121058	STRAINER,2,3,4-53		1	1	1				1						
	5150147	STRAINER,2,3,4-53	1													

4.5000A OIL FILLER

TYPES

PART FIG . . . NUMBER	NAME AND DESCRIPTION	8 6	9 1	9 2	9 5	9 7	1 0 7	1 1 2	1 1 3	1 1 7	1 1 8	1 2 1	1 2 2	1 4 6	1 6 1
4.5030 - CHAIN, OIL FILLER CAP															
5113825	CHAIN	1	1	1	1	1	1	1	1	1	1	1	1		
5146248	HOOK, FILLER CAP	2	2	2	2	2	2	2	2	1	2	1	1		
4.5050 - GASKET, OIL FILLER TUBE															
5116391	GASKET (1.5060)				1										
5120540	GASKET (4.5007)						1	1							
5124798	GASKET (4.4182)													1	
	# FIG. 5A OF 1.0000.														

4.6000A DIPSTICK

		TYPES										
PART		1	1	1	1	1	1	1	1	1	1	1
. FIG . . . NUMBER NAME AND DESCRIPTION		0	1	2	3	3	3	4	4	4	5	5
		7	4	5	0	1	7	8	0	1	6	8
4.6001 - DIPSTICK												
6A	5121060	*	DIPSTICK (X-13 1/4", Y-15/16", Z-11 7/8")	1								
6A	5121219	& @	DIPSTICK (X-10 1/2", Y-5/8", Z-9 1/8")		1							
6A	5123938	*	DIPSTICK (X-13 1/4", Y-1", Z-11 7/32")			1						
6A	5185533		DIPSTICK (X-17 3/8") (UNMARKED)				1					
6A	5109564	+	DIPSTICK (X-19", Y-1.09", Z-16.52")					1				
6A	5171148		DIPSTICK (X-19 7/8", Y-1 1/16", Z-18")						1			
6A	5143409	+	DIPSTICK (X-13 1/4", Y-7/8", Z-9")							1		
6A	5125561	# &	DIPSTICK (X-10.50", Y-.62", Z-9.12")								1	
6A	5109252	= +	DIPSTICK (X-10", Y-.62", Z-9")							1		
6A	5126946	&	DIPSTICK (X-7.30", Y-.46", Z-4.90")								1	
6A	5126235	&	DIPSTICK (X-15.62", Y-.62", Z-13.60")									1
		*	NOT SERVICED, USE 8921990.									
		+	NOT SERVICED, USE 8921988.									
		&	NOT SERVICED, USE 8921989.									
		#	THRU 2D-13699 IN TYPE 141.									
		=	EFFECTIVE WITH 2D-13700 IN TYPE 141.									
		@	NOT SERVICED, CONVERT TO TYPE 141.									
4.6020 - GUIDE, DIPSTICK												
6A	5121062	= ?	GUIDE (1 1/8" L.)	1	1			1	1		1	
	5151430		GUIDE (1 1/2" L.)						1			
	442324	# *	CONNECTOR, 7/16" INV. FL. TUBE (12.9460)							1	1	1
		=	EFFECTIVE WITH 2D-13700 IN TYPE 141.									
		?	EFFECTIVE WITH 4D-9757.									
		#	THRU 2D-13699 IN TYPE 141.									
		*	THRU 4D-9756									
4.6030 - ADAPTOR, DIPSTICK												
	5121061	@	ADAPTOR (8.50" DEV. L.) (5109621)	1	1			1				
	5125563	+ #	ADAPTOR (8.42" L.)							1		

4.6000A DIPSTICK

PART
FIG . . . NUMBER NAME AND DESCRIPTION

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION											
		1 0 7	1 1 4	1 2 5	1 3 0	1 3 1	1 3 7	1 3 8	1 4 0	1 4 1	1 4 6	1 5 4	1 5 8
	4.6030 - ADAPTOR, DIPSTICK (CONT'D)												
	5109621 = ADAPTOR (8.32" L)									1			
	5126945 + ADAPTOR (3.56" L)										1		
	5126655 ADAPTOR (6.00" L)												1
A	5123372 ADAPTOR (18.00" DEV. L)				1	1							
A	5125119 ADAPTOR (15.00" DEV. L)							1					
A	5121140 ADAPTOR (7.00" DEV. L)								1				
A	5126229 ADAPTOR (13.00" DEV. L)											1	
	5123919 ADAPTOR (15.68" DEV. L)			1									
	444002 CONNECTOR, 3/8" PIPE			1									
	137425 ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1									
	188947 ELBOW, 1/2" TUBE X 1/4" PIPE 90 DEG. (12.9480)					1	1						
	189060 BUSHING, 3/4" X 1/4" RED. (12.9570)				1								
	137400 # NUT, 7/16 INV. FL. TUBE (12.9460)									1	1		1
	137401 = NUT, 1/2 INV. FL. TUBE (12.9460)	1	1				1			1			
	# THRU 2D-13699 IN TYPE 141.												
	= EFFECTIVE WITH 2D-13700.												
	+ OBSOLETE.												
	* THRU 4D-9756.												
	@ NOT SERVICED, USE PART NUMBER IN PARENTHESES AND CUT TO LENGTH SHOWN.												
	4.6040 - CLIP, DIPSTICK												
	5123946 CLIP, 3-53			1									
	5170860 CLIP, 3,4-53 (1/2" TUBE)				1	1							

DETROIT DIESEL

53 MPC ENGINES

4.6000A DIPSTICK

PART			TYPES											
..FIG	NUMBER	NAME AND DESCRIPTION	1 6 0	1 6 1	1 6 6	1 6 8	1 8 1	1 8 2	1 8 4	1 8 6	1 8 7	1 8 8	1 8 9	
4.6001 - DIPSTICK														
6A	5126234	* DIPSTICK (X-16.72", Y-.62", Z-15.16")	1											
6A	5127957	* DIPSTICK (X-24.51", Y-1.10", Z-22")		1										
6A	5127716	* DIPSTICK (X-18.50", Y-.90", Z-17.02")			1									
6A	5127715	* DIPSTICK (X-12.50", Y-.90", Z-10.62")				1								
6A	5127710	* DIPSTICK (X-12.50", Y-1.15", Z-10.12")					1							
6A	5127711	* DIPSTICK (X-12.50", Y-.96", Z-10.65")						1						
6A	5127709	* DIPSTICK (X-13.25", Y-1.48", Z-11.02")							1					
6A	5126565	@ * DIPSTICK (X-15.62") (UNMARKED)								1				
6A	5109289	+ DIPSTICK (X-16") (UNMARKED)								1				
6A	5127712	* DIPSTICK (X-19.50", Y-.60", Z-17.30")									1			
6A	5127713	* DIPSTICK (X-17.75", Y-1.15", Z-16.30")										1		
6A	5127714	DIPSTICK (X-12.50", Y-.90", Z-10.22")											1	
		* NOT SERVICED, USE 8921989.												
		+ NOT SERVICED, USE 8921988.												
		@ THRU 4D-9756.												
4.6020 - GUIDE, DIPSTICK														
6A	5121062	? GUIDE (1 1/8" L.)								1				
	5151430	GUIDE (1 1/2" L.)		1										
	442324	@ CONNECTOR, 2,3,4-53, 7/16" INV. FL.												
		TUBE (12.9460)	1		1	1	1	1	1	1	1	1	1	
		? EFFECTIVE WITH 4D-9757.												
		@ THRU 4D-9756.												
4.6030 - ADAPTOR, DIPSTICK														
	5125563	+ ADAPTOR (8.42" L.)				1	1	1	1				1	
6A	5126229	ADAPTOR ASSY. (13.00" DEV. L.)	1											
6A	5127886	ADAPTOR ASSY. (20.50" DEV. L.)		1										
6A	5127719	ADAPTOR ASSY. (14.72" DEV. L.)			1						1	1		
6A	5125970	@ ADAPTOR ASSY. (6.38" DEV. L.)								1				
6A	5139276	? * ADAPTOR ASSY. (10.38" DEV. L.)								1				
	137400	NUT, 7/16 INV. FL. TUBE (12.9460)				1	1	1	1				1	

DETROIT DIESEL

53 MPC ENGINES

4.6000A DIPSTICK

PART FIG . . . NUMBER	NAME AND DESCRIPTION	TYPES																	
		1 6 0	1 6 1	1 6 6	1 6 8	1 8 1	1 8 2	1 8 4	1 8 6	1 8 7	1 8 8	1 8 9							
4.6030	ADAPTOR, DIPSTICK (CONT'D) @ THRU 4D-9756. ? EFFECTIVE WITH 4D-9757. * THRU 3D-29019. + OBSOLETE.																		
4.6040	CLIP, DIPSTICK																		
5127944	CLIP, 6V53 (1/2" TUBE)		1																

4.6000A DIPSTICK

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	1 9 0	1 9 1	2 0 0	2 0 2	2 0 5	2 0 9	2 2 6	2 2 7	2 3 1	2 3 2	2 3 3	2 3 5
4.6001 - DIPSTICK														
	NPN	DIPSTICK (CUSTOMER FURNISHED)				1								
6A	5127717	* DIPSTICK (X-13.25", Y-1", Z-11.25")	1											
6A	5128049	* DIPSTICK (X-10.50", Y-9 5/8", Z-8 3/4")		1										
6A	5162836	# DIPSTICK (X-25", Y-1.16", Z-22.94")			1									
6A	5100199	* DIPSTICK (X-35", Y-68", Z-33.60")					1							
6A	5162655	# DIPSTICK (X-16", Y-1.60", Z-13.30")						1						
6A	5162935	# DIPSTICK (X-24", Y-88", Z-22")							1	1				
6A	5129414	* DIPSTICK (X-27.85", Y-1.09", Z-26.04")									1			
6A	5129031	# DIPSTICK (X-29.44", Y-1.20", Z-27.18")										1	1	
6A	3818158	# DIPSTICK (X-23.50", Y-60", Z-22.60")												1
		* NOT SERVICED; USE 8921989.												
		# NOT SERVICED; USE 8921988.												
4.6010 - GASKET, DIPSTICK														
	5106906	SEAL, .75" L. (RUBBER)		1					1	1				
4.6020 - GUIDE, DIPSTICK														
6A	5151430	GUIDE (1 1/2" L.)			1	1		1	1			1	1	1
6A	5121062	GUIDE (1 1/8" L.)								1				
	442324	CONNECTOR, 7/16" INV. FL. TUBE (12.9460)	1	1			1				1			
4.6030 - ADAPTOR, DIPSTICK														
	NPN	ADAPTOR (CUSTOMER FURNISHED)				1								
	5125563	+ ADAPTOR (8.42" L.)	1											
	5128048	ADAPTOR ASSY. (6.75" DEV. L.)		1										
6A	5129507	ADAPTOR ASSY. (19.80" DEV. L.)			1									1
6A	5100195	ADAPTOR ASSY. (31.00" DEV. L.)					1							
	5121140	ADAPTOR (7.00" DEV. L.)						1						
6A	5109506	ADAPTOR ASSY. (20.00" DEV. L.)							1					
6A	5162976	ADAPTOR ASSY. (18.84" DEV. L.)								1				
	5108728	ADAPTOR (23.30" DEV. L.)									1			
	5109935	ADAPTOR (25.00" DEV. L.)										1		
	5109992	ADAPTOR (25.64" DEV. L.)											1	
	137400	NUT, 7/16 INV. FL. TUBE (12.9460)	1											
		+ OBSOLETE.												

4.6000A DIPSTICK

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION											
		1 9 0	1 9 1	2 0 0	2 0 2	2 0 5	2 0 9	2 2 6	2 2 7	2 3 1	2 3 2	2 3 3	2 3 5
4.6040 - CLIP, DIPSTICK													
5129435	CLIP			1				1					
5161873	CLIP (7.4412)					1							
5153473	CLIP, 6V53 (1/2" TUBE)								1		1	1	
5161875	CLIP									1			
5168001	CLIP (1/2" TUBE)												1
5188248	BRACKET, CLIP								1				
5188969	BRACKET, CLIP									1			
5126530	PLUG, CLIP ANCHOR (7.7010)										1	1	
120228	BOLT, 5/16"-18X5/8" (12.9001)									1			
181333	BOLT, 5/16"-24X5/8" (12.9001)										1	1	
106284	BOLT, 3/8"-24X5/8" (12.9001)								1				
120393	WASHER, 5/16" (12.9190)									1			
103320	LOCKWASHER, 5/16" (12.9200)									1	1	1	
103321	LOCKWASHER, 3/8" (12.9200)								AR				
120376	NUT, 5/16"-18 (12.9120)									1			
117049	NUT, 3/8"-24 (12.9120)								1				

4.6000A DIPSTICK

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	2 4 0	2 4 1	2 4 2	2 4 3	2 4 7	2 4 8	2 5 1	2 5 2	2 5 3	2 5 5	2 5 6	2 5 7
4.6001 - DIPSTICK														
6A	5129025	* DIPSTICK (X-28", Y-1.06", Z-26.24")	1											
6A	5162923	+ DIPSTICK (X-14", Y-.94", Z-11.88")		1										
6A	5162835	* DIPSTICK (X-11", Y-1.16", Z-9.40")			1									
6A	5162934	+ DIPSTICK (X-23", Y-1.18", Z-20.88")				1								
6A	5179121	* DIPSTICK (X-29", Y-1.60", Z-26.36")					1							
6A	5178596	+ DIPSTICK (X-31", Y-.88", Z-29.70")						1						
6A	5127232	* DIPSTICK (X-30", Y-1", Z-27.76")							1					
6A	5109146	* DIPSTICK (X-35", Y-.68", Z-33.60")								1			1	
6A	5109253	+ DIPSTICK (X-12", Y-.94", Z-10.54")									1			
6A	5127711	= DIPSTICK (X-12.50", Y-.96", Z-10.65")										1		
6A	5162836	* DIPSTICK (X-25", Y-1.16", Z-22.94")												1
		+ NOT SERVICED; USE 5146680.												
		= NOT SERVICED; USE 8921989.												
		* NOT SERVICED; USE 8921988.												
4.6010 - GASKET, DIPSTICK														
	5106906	SEAL, .75" L. (RUBBER)	1	1	1	1	1		1	1	1		1	1
4.6020 - GUIDE, DIPSTICK														
6A	5151430	GUIDE (1 1/2" L.)	1		1		1	1						1
6A	5121062	GUIDE (1 1/8" L.)		1					1	1	1		1	
6A	5173274	GUIDE (6 1/2" L.)				1								
	442324	CONNECTOR, 7/16" INV. FL. TUBE (12.9460)										1		
4.6030 - ADAPTOR, DIPSTICK														
6A	5129507	ADAPTOR ASSY. (19.80" DEV. L.)					1							1
	5109992	ADAPTOR (25.64" DEV. L.)	1											
	5162964	ADAPTOR (7.68" DEV. L.)		1										
6A	5109756	ADAPTOR ASSY. (6.25" DEV. L.)			1									
	5139921	ADAPTOR (11.50" DEV. L.)				1								
6A	5130187	ADAPTOR ASSY. (27.50" DEV. L.)						1						
6A	5130247	ADAPTOR ASSY. (25.02" DEV. L.)							1					
6A	5109147	ADAPTOR ASSY. (31.60" DEV. L.)								1			1	
	5109621	ADAPTOR (8.50" L.)									1			
	5130429	+ ADAPTOR (8.60" L.)											1	
	137400	NUT, 7/16 INV. FL. TUBE (12.9460)											1	

4.6000A DIPSTICK

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	2 4 0	2 4 1	2 4 2	2 4 3	2 4 7	2 4 8	2 5 1	2 5 2	2 5 3	2 5 5	2 5 6	2 5 7
		4.6030 - ADAPTOR, DIPSTICK (CONT'D)												
	137401	NUT, 1/2 INV. FL. TUBE (12.9460) + OBSOLETE.									1			
		4.6040 - CLIP, DIPSTICK												
	5129435	CLIP					1	1						1
	5153473	CLIP (1/2" TUBE)	1							1			1	
	5168001	CLIP (1/2" TUBE)												1
	140582	CLIP (1/2" TUBE) (12.9630)							1					
	5166565	BRACKET, CLIP							1					
	5184088	BRACKET, CLIP (4.8183)								1				
	5126530	PLUG, CLIP ANCHOR (7.7010)	1											
	181333	BOLT, 5/16"-24X5/8" (12.9001)	1											
	181595	BOLT, 5/16"-24X3/4" (12.9001)								1				
	186627	BOLT, 3/8"-24X1" (12.9001)							1					
	179837	BOLT, 3/8"-16X3/4" (12.9001)							1					
	120393	WASHER, 5/16" (12.9190)									1			
	103320	LOCKWASHER, 5/16" (12.9200)	1								1			
	103321	LOCKWASHER, 3/8" (12.9200)							AR					
	114493	NUT, 5/16"-24 (12.9120)								1				
	117049	NUT, 3/8"-24 (12.9120)							1					

4.6000A DIPSTICK

			TYPES											
FIG	PART NUMBER	NAME AND DESCRIPTION	2 5 8	2 5 9	2 6 1	2 6 2	2 6 6	2 6 7	2 6 8	2 6 9	2 7 1	2 7 2	2 7 3	2 7 5
4.6001 - DIPSTICK														
6A	5109252	% DIPSTICK (X-10", Y-.62", Z-9")	1											
6A	5162946	% DIPSTICK (X-30", Y-1.32", Z-27.32")		1			1							
6A	5109253	% DIPSTICK (X-12", Y-.94", Z-10.54")			1									
6A	5162933	% DIPSTICK (X-22", Y-.72", Z-20.25")				1								
6A	5109264	% DIPSTICK (X-12", Y-1.12", Z-10")					1							
6A	5109254	% DIPSTICK (X-13", Y-1.40", Z-10.94")							1					
6A	5162921	% DIPSTICK (X-11", Y-.88", Z-9")								1			1	
6A	5162934	% DIPSTICK (X-23", Y-1.18", Z-20.88")									1			
6A	5109291	% DIPSTICK (X-20", Y-1.75", Z-16.88")										1		
6A	5109910	% DIPSTICK (X-19", Y-.88", Z-16.96")												1
% NOT SERVICED, USE 8921988.														
4.6010 - GASKET, DIPSTICK														
	5106906	SEAL, .75" L. (RUBBER)	1	1	1	1	1	1	1	1	1	1	1	1
4.6020 - GUIDE, DIPSTICK														
6A	5121062	GUIDE (1 1/8" L.)	1		1		1	1		1	1		1	1
6A	5151430	GUIDE (1 1/2" L.)		1		1						1		
4.6030 - ADAPTOR, DIPSTICK														
	5178704	+ ADAPTOR (5.90" L.) (5109621)	1											
	5109615	+ ADAPTOR (7.16" L.) (5109621)							1					
6A	5162894	ADAPTOR ASSY. (8.02" DEV. L.)											1	
6A	5162893	ADAPTOR ASSY. (9.24" DEV. L.)								1				
6A	5130915	* ADAPTOR ASSY. (11.06" DEV. L.)										1		
6A	5125119	ADAPTOR ASSY. (15.00" DEV. L.)												1
6A	5162976	ADAPTOR ASSY. (18.84" DEV. L.)				1								
6A	5138290	ADAPTOR ASSY. (19.24" DEV. L.)								1				
6A	5139992	ADAPTOR ASSY. (24.50" DEV. L.)					1							
6A	5177579	ADAPTOR ASSY. (25.84" DEV. L.)		1										
	8921181	ADAPTOR ASSY. (8.56" DEV. L.)			1			1						
	137401	NUT, 1/2 INV. FL. TUBE (12.9460)	1		1			1	1					
* NOT SERVICED; REPLACE WITH 5131842 ADAPTOR AND 5121062 GUIDE.														
+ NOT SERVICED, USE PART NUMBER IN PARENTHESES AND CUT TO LENGTH SHOWN.														
4.6040 - CLIP, DIPSTICK														
	5153473	CLIP (1/2" TUBE)		1		1								
	5161875	CLIP (7/16" TUBE)					1							
	140582	CLIP, 1/2" TUBE (12.9630)									1			
	5188248	BRACKET, CLIP (7.1606)				1								

DETROIT DIESEL

53 MPC ENGINES

4.6000A DIPSTICK

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	258	259	261	262	266	267	268	269	271	272	273	275
4.6040 - CLIP, DIPSTICK (CONT'D)														
5188969		BRACKET, CLIP (4.1540)					1							
5126530		PLUG, CLIP ANCHOR (7.7010)		1										
120228		BOLT, 5/16"-18X5/8" (12.9001)					1							
181333		BOLT, 5/16"-24X5/8" (12.9001)		1										
106284		BOLT, 3/8"-24X5/8" (12.9001)				1								
120393		WASHER, 5/16" (12.9190)					1							
103320		LOCKWASHER, 5/16" (12.9200)		1			1							
103321		LOCKWASHER, 3/8" (12.9200)				1								
120376		NUT, 5/16"-18 (12.9120)					1							
117049		NUT, 3/8"-24 (12.9120)				1								

4.6000A DIPSTICK

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	2 7 7	2 8 4	2 8 5	2 8 9	2 9 1	2 9 5	2 9 7	2 9 8	2 9 9	3 0 5	3 2 0	3 2 3
4.6001 - DIPSTICK														
6A	5109254	+ DIPSTICK (X-13", Y-1.40", Z-10.94")			1				1					
6A	5109291	+ DIPSTICK (X-20", Y-1.75", Z-16.88")										1		
6A	5109910	+ DIPSTICK (X-19", Y-.88", Z-16.96")								1			1	
6A	5109262	+ DIPSTICK (X-19", Y-.80", Z-17.44")	1											
6A	5109255	+ DIPSTICK (X-15", Y-.62", Z-13.50")		1										
6A	5162941	+ DIPSTICK (X-28", Y-1.18", Z-25.68")				1								
6A	5179121	+ DIPSTICK (X-29", Y-1.60", Z-26.36")					1							
6A	5109564	+ DIPSTICK (X-19", Y-1.09", Z-16.52")						1						
6A	5109256	+ DIPSTICK (X-16", Y-1.18", Z-14.25")									1			
6A	5162944	+ DIPSTICK (X-29", Y-.66", Z-27.32")												1
		+ NOT SERVICED; USE 8921988.												
4.6010 - GASKET, DIPSTICK														
	5106906	SEAL, .75" L. (RUBBER)	1	1	1	1	1	1	1	1	1	1	1	1
4.6020 - GUIDE, DIPSTICK														
6A	5121062	GUIDE (1 1/8" L.)	1	1	1			1	1	1	1	1	1	1
6A	5151430	GUIDE (1 1/2" L.)				1	1							
4.6030 - ADAPTOR, DIPSTICK														
	5109618	* ADAPTOR (8.32" L.) (5109621)				1								
	5109616	* ADAPTOR (7.88" L.) (5109621)							1					
6A	5109774	ADAPTOR ASSY. (11.28" DEV. L.)		1										
6A	5131766	+ ADAPTOR ASSY. (14.28" DEV. L.)						1						
6A	5109791	ADAPTOR ASSY. (15.10" DEV. L.)	1											
6A	5130206	ADAPTOR ASSY. (20.10" DEV. L.)					1							
6A	5177535	ADAPTOR ASSY. (25.14" DEV. L.)				1								
6A	5130789	+ ADAPTOR ASSY. (15.30" DEV. L.)								1				
6A	5131605	ADAPTOR ASSY. (8.86" DEV. L.)									1			
6A	5131842	ADAPTOR ASSY. (11.10" DEV. L.)										1		
	5109621	ADAPTOR (15.18" L.)											1	
6A	5132193	+ ADAPTOR ASSY. (27.62" DEV. L.)												1
	137401	NUT, 1/2 INV. FL. TUBE (12.9460)			1				1				1	
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES AND CUT TO LENGTH SHOWN.												
		+ OBSOLETE.												
4.6040 - CLIP, DIPSTICK														
	5153473	CLIP (1/2" TUBE)				1								
	140582	CLIP (1/2" TUBE) (12.9630)												1
	5168001	CLIP (1/2" TUBE) (12.4095)					1							

4.6000A DIPSTICK

PART		TYPES												
..FIG ..	NUMBER	NAME AND DESCRIPTION	2 7 7	2 8 4	2 8 5	2 8 9	2 9 1	2 9 5	2 9 7	2 9 8	2 9 9	3 0 5	3 2 0	3 2 3
4.6040 - CLIP, DIPSTICK (CONT'D)														
5173189		BRACKET, CLIP (9.1591)					1							
5126530		PLUG, CLIP ANCHOR (7.7010)				1								1
181333		BOLT, 5/16"-24X5/8" (12.9001)				1								1
179838		BOLT, 3/8"-16X7/8" (12.9001)					1							1
120393		WASHER, 5/16" (12.9190)												1
103341		WASHER, 3/8" (12.9190)					1							1
103320		LOCKWASHER, 5/16" (12.9200)				1								1
103321		LOCKWASHER, 3/8" (12.9200)					1							
102635		NUT, 3/8"-16 (12.9120)					1							

4.6000A DIPSTICK

PART			TYPES											
..FIG ..	NUMBER	NAME AND DESCRIPTION	3 3 3	3 4 4	3 5 4	3 5 6	3 8 4	3 8 6	3 9 0	4 0 1	4 0 5	4 1 1	4 1 2	4 1 4
4.6001 - DIPSTICK														
FOR TYPE 349 USE TYPE 490.														
6A	5162944	+ DIPSTICK (X-29", Y-.66", Z-27.32")	1											
6A	5109565	= DIPSTICK (X-29", Y-.75", Z-27.00")		1										
6A	5109253	= DIPSTICK (X-12", Y-.94", Z-10.54")			1		1							
6A	3818158	= DIPSTICK (X-23.50", Y-.60", Z-22.60")				1								
6A	5132575	+ DIPSTICK (X-32", Y-.58", Z-30.20")						1						
6A	5162836	= DIPSTICK (X-25", Y-1.16", Z-22.94")							1					
6A	5109259	= DIPSTICK (X-18", Y-1.18", Z-16.12")								1				
6A	5162939	# = DIPSTICK (X-26", Y-1.46", Z-23.46")									1			
6B	5133486	? DIPSTICK (X-27.25", Y-.46", Z-25.94")										1		1
6A	5162923	+ DIPSTICK (X-14", Y-.94", Z-11.88")											1	
+ NOT SERVICED; USE 5146680.														
= NOT SERVICED; USE 8921988														
DIPSTICK KIT (UNMARKED).														
# FOR TYPE 405, CONVERT TO TYPE														
505.														
? NOT SERVICED; USE 8921987														
DIPSTICK KIT (UNMARKED).														
4.6010 - GASKET, DIPSTICK														
	5106906	SEAL, .75" L (RUBBER)	1	1	1		1	1	1				1	
4.6020 - GUIDE, DIPSTICK														
6A	5121062	* GUIDE (1 1/8" L)	1	1			1			1			1	
6A	5151430	@ GUIDE (1 1/2" L)			1	1		1	1			1		1
6A	5120861	# GUIDE (4 5/8" L)									1			
	442324	CONNECTOR, 7/16" INV. FL. TUBE												
(12.9460)													1	
# FOR TYPE 405, CONVERT TO TYPE														
505.														
4.6030 - ADAPTOR, DIPSTICK														
6A	5132411	ADAPTOR ASSY. (24.88" DEV. L.)	1											
6A	5132745	ADAPTOR ASSY. (26.00" DEV. L.)		1										
	5109614	ADAPTOR ASSY. (5.46" L)			1									
6A	3831144	ADAPTOR ASSY. (19.09" DEV. L.)				1								
	5128376	ADAPTOR ASSY. (7.72" DEV. L.)					1							
6A	5132079	ADAPTOR ASSY. (26.86" DEV. L.)						1						
6A	5138323	ADAPTOR ASSY. (19.70" DEV. L.)							1					
6A	5132019	ADAPTOR ASSY. (14.48" DEV. L.)								1				

4.6000A DIPSTICK

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	3 3 3	3 4 4	3 5 4	3 5 6	3 8 4	3 8 6	3 9 0	4 0 1	4 0 5	4 1 1	4 1 2	4 1 4
4.6030 - ADAPTOR, DIPSTICK (CONT'D)														
3A	5133835	# ADAPTOR ASSY. (19.96" DEV. L.)									1			
3B	5134093	ADAPTOR ASSY. (25.50" DEV. L.)										1		
	5121061	ADAPTOR ASSY. (8.50" DEV. L.)											1	
3A	5134146	ADAPTOR ASSY. (25.00" DEV. L.)												1
	137401	NUT, 1/2 INV. FL. TUBE (12.9460)			1		1						1	
		# FOR TYPE 405, CONVERT TO TYPE 505.												
4.6040 - CLIP, DIPSTICK														
	5153473	CLIP (1/2" TUBE)	1	1				1				1		1
	5168001	CLIP (1/2" TUBE) (12.4095)				1			1		1			
	5166565	BRACKET, CLIP (9.1591)	1											
	5130913	BRACKET, CLIP (7.4597)	1									1		
	5184510	BRACKET, CLIP (7.7380)						1						
	5114541	BRACKET, CLIP (7.1585)							1		1			
	5134079	BRACKET, CLIP (ALUM.)												1
	5111079	SUPPORT, CLIP		1										
	5196119	SPACER, 7/8" X 13/32" X 3/8" (5.4025)						1						
	5157412	SPACER, 7/8" X 1/4" (7.4013)	1											
	5126530	PLUG, ANCHOR (7.7010)			1									
	120228	BOLT, 5/16"-18X5/8" (12.9001)		1										
	181333	BOLT, 5/16"-24X5/8" (12.9001)							1		1			
	179837	BOLT, 3/8"-16X3/4" (12.9001)										1		1
	179839	BOLT, 3/8"-16X1" (12.9001)	1											2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						1						
	106284	BOLT, 3/8"-24X5/8" (12.9001)	1											
	120393	WASHER, 5/16" (12.9190)							1		1			
	103341	WASHER, 3/8" (12.9190)						1						2
	103320	LOCKWASHER, 5/16" (12.9200)		1					1		1			
	103321	LOCKWASHER, 3/8" (12.9200)	AR					AR				1		3
	120376	NUT, 5/16"-18 (12.9120)		1										
	114493	NUT, 5/16"-24 (12.9120)							1		1			
	102635	NUT, 3/8"-16 (12.9120)										1		1
	117049	NUT, 3/8"-24 (12.9120)	2					1						

4.6000A DIPSTICK

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	4 2 1	4 2 2	4 2 3	4 2 5	4 3 0	4 3 3	4 4 0	4 4 5 8	4 6 1	4 6 3	4 6 6	4 6 7	4 6 9
		4.6001 - DIPSTICK													
	NPN	DIPSTICK (CUSTOMER FURNISHED)	1												
6A	5134379	DIPSTICK (X-16", UNMARKED)		1											
6A	5109563	% + DIPSTICK (X-13", Y-1.56", Z-10.32")			1										
6A	5109267	+ DIPSTICK (X-24", Y-1.25", Z-21.12")				1									
6A	5135235	= DIPSTICK (X-24", Y-1.54", Z-21.80")					1								
6A	5135445	+ DIPSTICK (X-24", Y-1.03", Z-22.70")						1							
6A	5135202	DIPSTICK (X-16", Y-1.25", Z-13.86")							1						
6A	5132575	+ DIPSTICK (X-32", Y-.58", Z-30.20")								1					
6A	5162944	+ DIPSTICK (X-29", Y-.66", Z-27.32")									1				
6A	5162933	+ DIPSTICK (X-22", Y-.72", Z-20.25")										1			
6A	5109252	+ DIPSTICK (X-11", Y-.62", Z-09.00")											1		
6A	5109564	+ DIPSTICK (X-19", Y-1.09", Z-16.52")												1	
6A	5162946	+ DIPSTICK (X-30", Y-1.32", Z-27.32")													1
		+ NOT SERVICED, USE 8921988.													
		% FOR TYPE 423, CONVERT TO TYPE 515.													
		= FOR TYPE 430, CONVERT TO TYPE 508.													
		4.6010 - GASKET, DIPSTICK													
	5106906	SEAL, .75" L. (RUBBER)		1	1	1		1		1	1	1	1	1	
		4.6020 - GUIDE, DIPSTICK													
6A	5121062	= GUIDE (1 1/8" L.)					1			1	1	1	1	1	
6A	5151430	% GUIDE (1 1/2" L.)			1	1		1							1
6A	5135007	GUIDE (6 1/2" L.)		1					1						
		= FOR TYPE 430, CONVERT TO TYPE 508.													
		% FOR TYPE 423, CONVERT TO TYPE 515.													
		4.6030 - ADAPTOR, DIPSTICK													
6A	5134774	ADAPTOR ASSY. (23.20" DEV. L.)	1												
6A	5121061	+ ADAPTOR ASSY. (8.50" DEV. L.) (5109621)		1											
6A	5138322	* ADAPTOR ASSY. (7.90" DEV. L.)			1										
6A	5134364	ADAPTOR ASSY. (18.56" DEV. L.)				1									
6A	5135124	@ ADAPTOR ASSY. (21.14" DEV. L.)					1								
6A	5129507	ADAPTOR ASSY. (19.80" DEV. L.)						1							
6A	5131605	ADAPTOR ASSY. (8.86" DEV. L.)							1						
6A	5136365	ADAPTOR ASSY. (28.68" DEV. L.)								1					
6A	5132411	ADAPTOR ASSY. (24.88" DEV. L.)									1				
6A	5162976	ADAPTOR ASSY. (18.84" DEV. L.)										1			

4.6000A DIPSTICK

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	4 2 1	4 2 2	4 2 3	4 2 5	4 3 0	4 3 3	4 4 0	4 5 8	4 6 1	4 6 3	4 6 6	4 6 7	4 6 9
4.6030 - ADAPTOR, DIPSTICK (CONT'D)															
3A	5196779	+ ADAPTOR ASSY. (6.92" DEV. L.) (5109621)											1		
3A	5136626	ADAPTOR ASSY. (15.00" DEV. L.)												1	
	5177622	ADAPTOR ASSY. (25.20" DEV. L.)													1
	137401	NUT, 1/2 INV. FL. TUBE (12.9460) * FOR TYPE 423, CONVERT TO TYPE 515. @ FOR TYPE 430, CONVERT TO TYPE 508. + NOT SERVICED; USE PART NUMBER IN PARENTHESES AND CUT TO LENGTH SHOWN.		1									1		
4.6040 - CLIP, DIPSTICK															
	5153473	CLIP (1/2" TUBE, 3/8" BOLT)									1	1		1	1
	5168001	CLIP (1/2" TUBE) (12.4095)						1							
	5129435	CLIP	1			1		1	1						
	5131426	CLIP (1/2" TUBE)								1					
	5114541	BRACKET, CLIP (7.1585)						1							
	5188248	BRACKET, CLIP									1	1			
	5155464	BRACKET, CLIP												1	
	5126530	PLUG, ANCHOR (7.7010)													1
	181333	BOLT, 5/16"-24X5/8" (12.9001)						1							1
	181595	BOLT, 5/16"-24X3/4" (12.9001)					1								
	179833	BOLT, 3/8"-16X1/2" (12.9001)								1					
	179837	BOLT, 3/8"-16X3/4" (12.9001)												1	
	106284	BOLT, 3/8"-24X5/8" (12.9001)									1	1			
	120393	WASHER, 5/16" (12.9190)					1	1							
	103320	LOCKWASHER, 5/16" (12.9200)					1	1							1
	103321	LOCKWASHER, 3/8" (12.9200)								1	AR		AR		
	114493	NUT, 5/16"-24 (12.9120)						1							
	102635	NUT, 3/8"-16 (12.9120)												1	
	117049	NUT, 3/8"-24 (12.9120)									1	1			

4.6000A DIPSTICK

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	4 7 0	4 7 4	4 7 6	4 7 9	4 8 4	4 8 5	4 8 8	4 8 9	4 9 0	4 9 1	4 9 7	5 0 0
4.6001 - DIPSTICK														
FOR TYPE 492 USE TYPE 696.														
6A	5139623	+ DIPSTICK (X-27.25", Y-1.00", Z-25.94")	1											
6A	5109255	+ DIPSTICK (X-15", Y-.62", Z-13.50")		1										
6A	5137323	% DIPSTICK (X-12.25", Y-.72", Z-10.64")			1									
6A	5162667	DIPSTICK (X-26.32", Y-1.46", Z-23.46")				1								
6A	5137672	% DIPSTICK (X-16.50", Y-1.60", Z-14.14")					1							
6A	5109256	+ DIPSTICK (X-16", Y-1.18", Z-14.25")						1						
6B	5138178	% DIPSTICK (X-25.56", Y-.60", Z-23.45")							1					
6A	5130975	+ DIPSTICK (X-25", Y-.94", Z-23.50")								1			1	
6A	5109563	+ DIPSTICK (X-13", Y-1.56", Z-10.32")									1			
6A	5162835	+ DIPSTICK (X-11", Y-1.16", Z-9.40")										1		
6A	5162944	+ DIPSTICK (X-29", Y-.66", Z-27.32")												1
+ NOT SERVICED; USE 8921988 DIPSTICK KIT (UNMARKED).														
% NOT SERVICED; USE 8921987 DIPSTICK KIT (UNMARKED).														
4.6010 - GASKET, DIPSTICK														
	5106906	SEAL, .75" L. (RUBBER)	1	1				1		1	1	1	1	1
4.6020 - GUIDE, DIPSTICK														
6A	5121062	GUIDE (1 1/8" L.)			1			1	1	1		1	1	1
6A	5151430	GUIDE (1 1/2" L.)		1			1				1			
6A	5137864	GUIDE (4 3/4" L.)				1								
	442324	CONNECTOR, 7/16" INV. FL. TUBE (12.9460)	1											
4.6030 - ADAPTOR, DIPSTICK														
6A	5134774	ADAPTOR ASSY. (23.20" DEV. L.)	1											
6A	5120477	ADAPTOR ASSY. (10.65" DEV. L.)		1										
6A	5196780	ADAPTOR ASSY. (8.48" L.)			1									
6A	5137735	ADAPTOR ASSY. (21.00" DEV. L.)				1								
6A	5137671	ADAPTOR ASSY. (7.94" DEV. L.)					1							
6A	5137663	ADAPTOR ASSY. (12.68" DEV. L.)						1						
6B	5138177	+ ADAPTOR ASSY. (22.14" DEV. L.)							1					
6A	5137452	ADAPTOR ASSY. (21.90" DEV. L.)								1				
6A	5138322	ADAPTOR ASSY. (7.90" DEV. L.)									1			
6A	5135813	+ ADAPTOR ASSY. (20.00" DEV. L.)										1		

4.6000A DIPSTICK

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	4 7 0	4 7 4	4 7 6	4 7 9	4 8 4	4 8 5	4 8 8	4 8 9	4 9 0	4 9 1	4 9 7	5 0 0
4.6030 - ADAPTOR, DIPSTICK (CONT'D)														
6A	5135719	ADAPTOR ASSY. (21.64" DEV. L.)											1	
6A	5138744	ADAPTOR ASSY. (25.33" DEV. L.)												1
	137401	NUT, 1/2" INV. FL. TUBE (12.9460) + OBSOLETE.								1		1		
4.6040 - CLIP, DIPSTICK														
	140582	CLIP (12.9630)						1						
	5168001	CLIP (1/2" TUBE) (12.4095)				1								
	5109020	CLIP (1/2" TUBE)							1					
	5153473	CLIP (1/2" TUBE)								1		1	1	
	5114541	BRACKET, CLIP (7.1585)				1								
	5188969	BRACKET, CLIP (4.1540)							1	1				
	5155464	BRACKET, CLIP										1		
	5166565	BRACKET, CLIP (9.1591)												1
	5177362	SPACER (3/8"X3/4"X1/4")										1		
	179816	BOLT, 5/16"-18X3/4" (12.9001)							1					
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)										1		
	181333	BOLT, 5/16"-24X5/8" (12.9001)				1				1				
	106284	BOLT, 3/8"-24X5/8" (12.9001)												1
	181360	BOLT, 3/8"-24X3/4" (12.9001)										1		
	120393	WASHER, 5/16" (12.9190)				1			1					
	103341	WASHER, 3/8" (12.9190)										1		
	103320	LOCKWASHER, 5/16" (12.9200)				1			1	1				
	103321	LOCKWASHER, 3/8" (12.9200)										1		1
	120376	NUT, 5/16"-18 (12.9120)							1					
	114493	NUT, 5/16"-24 (12.9120)				1				1				
	117049	NUT, 3/8"-24 (12.9120)										1		1
	103026	NUT, 3/8"-24 (12.9120)										1		

4.6000A DIPSTICK

			TYPES												
FIG	PART NUMBER	NAME AND DESCRIPTION	504	505	507	508	515	518	521	525	529	530	531	535	537
4.6001 - DIPSTICK															
FOR TYPE 532 USE TYPE 697.															
6B	5138824	= DIPSTICK (X-32.25", Y-1.50", Z-29.78")	1												
6A	5162667	DIPSTICK (X-26.32", Y-1.46", Z-23.46")		1											
6B	5133486	= DIPSTICK (X-27.25", Y-.46", Z-25.94")			1				1						
6A	5131901	% DIPSTICK (X-23", Y-1", Z-21.50")				1									
6A	5109563	% DIPSTICK (X-13", Y-1.56", Z-10.32")					1								
6A	5162941	% DIPSTICK (X-28", Y-1.18", Z-25.68")						1							
6A	5140112	% DIPSTICK (X-34", Y-.94", Z-32.42")								1					
6A	5122393	% DIPSTICK (X-33", Y-1.06", Z-31.18")									1				
6A	5162923	% DIPSTICK (X-14", Y-.94", Z-11.88")										1			
6A	5109254	% DIPSTICK (X-13", Y-1.40", Z-10.94")											1		
6A	5132960	% DIPSTICK (X-16", Y-.80", Z-14.88")												1	
	5131503	% DIPSTICK (X-35", Y-1.06", Z-33.20")													1
		% NOT SERVICED, USE 8921988													
		DIPSTICK KIT (UNMARKED).													
		= NOT SERVICED, USE 8921987													
		DIPSTICK KIT (UNMARKED).													
4.6010 - GASKET, DIPSTICK															
	5106906	SEAL, .75" L. (RUBBER)				1	1	1			1	1	1	1	
4.6020 - GUIDE, DIPSTICK															
6A	5121062	GUIDE (1 1/8" L.)	1		1	1	1			1		1		1	1
6A	5151430	GUIDE (1 1/2" L.)							1		1		1		
6A	5137864	GUIDE (4 3/4" L.)		1											
	442324	+ CONNECTOR, 7/16" INV. FL. TUBE (12.9460)						1							
		+ OBSOLETE.													
4.6030 - ADAPTOR, DIPSTICK															
6B	5138825	+ ADAPTOR ASSY. (27.44" DEV. L.)	1												
6A	5138323	ADAPTOR ASSY. (20.94" DEV. L.)		1											
6A	5137913	ADAPTOR ASSY. (24.04" DEV. L.)			1										
6A	5138324	ADAPTOR ASSY. (21.30" DEV. L.)				1									
6A	5138322	ADAPTOR ASSY. (7.90" DEV. L.)					1						1		
6A	5139737	@ ADAPTOR ASSY. (23.20" DEV. L.)						1							
6B	5139425	+ ADAPTOR ASSY. (25.64" DEV. L.)							1						
6A	5140099	+ ADAPTOR ASSY. (30.44" DEV. L.)								1					
6A	5138794	+ ADAPTOR ASSY. (28.50" DEV. L.)									1				
6A	5109615	* ADAPTOR ASSY. (7.16 L.) (5109621)										1			
6A	5139699	* ADAPTOR ASSY. (12.10" L.) (5109621)												1	
	5140655	ADAPTOR ASSY. (31.30" DEV. L.)													1

4.6000A DIPSTICK

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	504	505	507	508	515	518	521	525	529	530	531	535	537
4.6030 - ADAPTOR, DIPSTICK (CONT'D)															
137401	NUT, 1/2" INV. FL. TUBE (12.9460)											1		1	
	* NOT SERVICED: USE PART NUMBER IN PARENTHESES AND CUT TO LENGTH SHOWN.														
	@ NOT SERVICED, USE 8921152 ADAPTOR ASSY., PLUS 5121062 GUIDE AND 5153473 CLIP.														
	+ OBSOLETE.														
4.6040 - CLIP, DIPSTICK															
5140098	CLIP									1					
5161873	CLIP (7/16" TUBE) (7.4412)							1							1
5168001	CLIP (1/2" TUBE) (12.4095)		1												
5109020	CLIP (1/2" TUBE)			1	1										
5153473	CLIP (1/2" TUBE)									1	1				
5151108	CLIP, 8V53 (1/2" TUBE) (12.4095)	1													
5136948	CLIP, 6V53 (1/2" TUBE) (2.5020)							1							
5114541	BRACKET, CLIP (7.1585)			1				1							
5188969	BRACKET, CLIP (4.1540)										1				
5159393	BRACKET, CLIP (4.1575)				1										
5130913	BRACKET, CLIP (7.4597)					1									
5178595	BRACKET (2.5030)														1
5126530	PLUG, ANCHOR (7.7010)					1									1
100001	BOLT, 1/4"-28X3/4" (12.9001)							1							
179819	BOLT, 5/16"-18X1 1/8" (12.9001)										1				
181333	BOLT, 5/16"-24X5/8" (12.9001)		1							1					1
181595	BOLT, 5/16"-24X3/4" (12.9001)					1									
179838	BOLT, 3/8"-16X7/8" (12.9001)				1										
181360	BOLT, 3/8"-24X3/4" (12.9001)														1
120392	WASHER, 1/4" (12.9190)							2							
120393	WASHER, 5/16" (12.9190)		1			1					1				
120380	LOCKWASHER, 1/4" (12.9200)							1							
103320	LOCKWASHER, 5/16" (12.9200)		1			1				1	1				1
103321	LOCKWASHER, 3/8" (12.9200)				1										1
121902	NUT, 1/4"-28 (12.9120)							1							
120376	NUT, 5/16"-18 (12.9120)										1				
114493	LOCKNUT, 5/16"-24 (2.7170)		1							1					
102635	NUT, 3/8"-16 (12.9120)				1										
117049	NUT, 3/8"-24 (12.9120)														1

4.6000A DIPSTICK

PART			TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	539	541	542	548	549	552	553	554	559	560	563	565	567
4.6001 - DIPSTICK															
6A	5162939	+ DIPSTICK (X-26", Y-1.46", Z-23.46")	1									1			
6A	5162941	+ DIPSTICK (X-28", Y-1.18", Z-25.68")		1											
6A	5109253	+ DIPSTICK (X-12", Y-.94", Z-10.54")			1										
6A	5139902	DIPSTICK (X-24", Y-.60", Z-22.60")				1									
6A	5162930	+ DIPSTICK (X-18", Y-.56", Z-16.56")					1								
6B	5140126	= DIPSTICK (X-14.50", Y-.94", Z-12.81")						1							
6A	5162835	+ DIPSTICK (X-11", Y-1.16", Z-9.40")							1						
6A	5131805	+ DIPSTICK (X-27", Y-1.00", Z-25.58")								1					
6A	5162836	+ DIPSTICK (X-25", Y-1.16", Z-22.94")									1				
6A	5134038	+ DIPSTICK (X-41", Y-1.44", Z-38.70")											1		
6A	5162933	+ DIPSTICK (X-22", Y-.72", Z-20.25")												1	
6A	5109565	+ DIPSTICK (X-29", Y-.75", Z-27.00")													1
		+ NOT SERVICED; USE 5146680													
		DIPSTICK (UNMARKED).													
		= NOT SERVICED; USE 5146679													
		DIPSTICK (UNMARKED).													
4.6010 - GASKET, DIPSTICK															
5106906	SEAL, .75" L. (RUBBER)			1	1	1	1			1	1		1	1	1
4.6020 - GUIDE, DIPSTICK															
5151430	GUIDE (1 1/2" L.)				1										
5121062	GUIDE (1 1/8" L.)					1	1	1	1	1	1			1	1
5137864	GUIDE (4 3/4" L.)		1												
442324	+ CONNECTOR, 7/16" INV. FL. TUBE														
	(12.9460)			1											
	+ OBSOLETE.														
4.6030 - ADAPTOR, DIPSTICK															
6A	5109625	% ADAPTOR ASSY. (25.68" L.)	1												
6A	5140888	+ ADAPTOR ASSY. (23.20" DEV. L.)		1											
6A	5128376	* ADAPTOR (7.72" L.) (5109621)			1										
6A	5139903	ADAPTOR ASSY. (20.34" DEV. L.)				1									
6A	5139276	% ADAPTOR ASSY. (10.28" DEV. L.)					1								
6B	5141320	ADAPTOR ASSY. (11.52" DEV. L.)						1							
6A	5140522	ADAPTOR ASSY. (6.70" DEV. L.)							1						
6A	5139794	ADAPTOR ASSY. (23.62" DEV. L.)								1					
6A	5140323	ADAPTOR ASSY. (20.18" DEV. L.)									1				
6A	5138323	ADAPTOR ASSY. (20.94" DEV. L.)										1			
6A	5140137	ADAPTOR ASSY. (37.66" DEV. L.)											1		

4.6000A DIPSTICK

			TYPES												
FIG	PART NUMBER	NAME AND DESCRIPTION	5 3 9	5 4 1	5 4 2	5 4 8	5 4 9	5 5 2	5 5 3	5 5 4	5 5 9	5 6 0	5 6 3	5 6 5	5 6 7
4.6030 - ADAPTOR, DIPSTICK (CONT'D)															
A	5142125	ADAPTOR ASSY. (18.30" DEV. L.)												1	
	5139992	ADAPTOR ASSY. (24.50" DEV. L.)													1
	137401	NUT, 1/2 INV. FL. TUBE (12.9460)	1		1										
		% OBSOLETE.													
		+ NOT SERVICED, FOR SERVICE USE													
		8921153 ADAPTOR ASSY. PLUS													
		1-5121062 GUIDE AND 1-5153473													
		CLIP.													
		* NOT SERVICED, USE PART NUMBER IN													
		PARENTHESES AND CUT TO LENGTH													
		SHOWN.													
4.6040 - CLIP, DIPSTICK															
	5129435	CLIP (3/4" TUBE)									1				
	5161873	CLIP (7/16" TUBE) (7.4412)		1											
	5168001	CLIP (1/2" TUBE) (12.4095)				1						1			1
	5153473	CLIP (1/2" TUBE)	1							1					
	5109020	CLIP (1/2" TUBE)												1	
	5161875	CLIP (7/16" TUBE)													1
	5120032	BRACKET, TUBE CLIP (3.5502)	1												
	5114541	BRACKET, CLIP (7.1585)		1								1			
	5131549	BRACKET, CLIP (5.2190)				1									
	5156404	SPACER, 13/32"X3/4"X1 7/16" (4.8040)												1	
	100002	BOLT, 1/4"-28X1" (12.9001)				1				1					
	120228	BOLT, 5/16"-18X5/8" (12.9001)													1
	181333	BOLT, 5/16"-24X5/8" (12.9001)	1	1		1						1			
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)												1	
	120393	WASHER, 5/16" (12.9190)	1	2		1						1			1
	120392	WASHER, 1/4" (12.9190)				1									
	120380	LOCKWASHER, 1/4" (12.9200)								1					
	103319	LOCKWASHER, 1/4" (12.9200)				1									
	103320	LOCKWASHER, 5/16" (12.9200)	1	1		1						1			1
	120376	NUT, 5/16"-18 (12.9120)	1												
	114493	NUT, 5/16"-24 (2.7170)	1	1		1						1			
	121902	NUT, 1/2"-28 (12.9120)				1				1					

4.6000A DIPSTICK

			TYPES												
FIG	PART NUMBER	NAME AND DESCRIPTION	5 6 9	5 7 1	5 7 2	5 7 3	5 7 4	5 7 8	5 8 0	5 8 1	5 8 4	5 8 7	5 9 4	5 9 5	5 9 6
4.6001 - DIPSTICK															
6A	5140916	% DIPSTICK (X-17", Y-1.46", Z-14.38")		1											
6A	5162928	% DIPSTICK (X-16", Y-1.60", Z-13.30")			1										
6A	5179121	% DIPSTICK (X-29", Y-1.60", Z-26.36")				1									
6A	5162836	% DIPSTICK (X-25", Y-1.16", Z-22.94")	1				1								1
6A	5136356	% DIPSTICK (X-20", Y-1.16", Z-18.45")						1							
6B	5140126	= DIPSTICK (X-14.50", Y-.94", Z-12.81")							1						
6A	5162946	% DIPSTICK (X-30", Y-1.32", Z-27.32")								1			1		
6A	5109565	% DIPSTICK (X-13", Y-1.56", Z-10.32")									1				
6A	5162941	% DIPSTICK (X-28", Y-1.18", Z-25.68")												1	
6A	5135445	% DIPSTICK (X-24", Y-1.03", Z-22.7")											1		
		= NOT SERVICED; USE 5146679													
		DIPSTICK KIT (UNMARKED).													
		% NOT SERVICED; USE 5146680													
		DIPSTICK KIT (UNMARKED).													
4.6010 - GASKET, DIPSTICK															
5106906	SEAL, .75" L (RUBBER)			1	1	1	1			1	1		1	1	1
4.6020 - GUIDE, DIPSTICK															
5151430	GUIDE (1 1/2" L.)						1	1							
5121062	GUIDE (1 1/8" L.)		1	1	1	1			1	1	1	1	1	1	1
4.6030 - ADAPTOR, DIPSTICK															
6A	5140342	ADAPTOR ASSY. (20.08" DEV. L.)	1												
6A	5142943	ADAPTOR ASSY. (11.32" DEV. L.)		1											
6A	5140599	ADAPTOR ASSY. (7.38" DEV. L.)			1										
6A	5140689	ADAPTOR ASSY. (20.48" DEV. L.)				1									
6A	5139437	ADAPTOR ASSY. (21.84" DEV. L.)					1								
6A	5130789	+ ADAPTOR ASSY. (15.30" DEV. L.)						1							
6A	5196780	ADAPTOR ASSY. (8.40" DEV. L.)							1						
6A	5140546	ADAPTOR ASSY. (26.22" DEV. L.)								1					
6A	5139958	ADAPTOR ASSY. (7.72" DEV. L.)									1				
6A	5140381	+ ADAPTOR ASSY. (25.58" DEV. L.)											1		
6A	5140382	ADAPTOR ASSY. (25.52" DEV. L.)												1	
6A	5140474	ADAPTOR ASSY. (22.22" DEV. L.)													1
6A	5140323	ADAPTOR ASSY. (20.18" DEV. L.)											1		
		+ OBSOLETE													
4.6040 - CLIP, DIPSTICK															
5168001	CLIP (1/2" TUBE) (12.4090)		1			1						1			
5153473	CLIP (1/2" TUBE)						1			1			1	1	1
5129435	CLIP (3/4" TUBE)											1			

4.6000A DIPSTICK

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION													
		5 6 9	5 7 1	5 7 2	5 7 3	5 7 4	5 7 8	5 8 0	5 8 1	5 8 4	5 8 7	5 9 4	5 9 5	5 9 6	
4.6040 - CLIP, DIPSTICK (CONT'D)															
5173189	BRACKET, CLIP (9.1591)				1										
5163503	BRACKET, CLIP (4.3050)					1								1	
5114541	BRACKET, CLIP (7.1585)	1									1				
5126530	PLUG, ANCHOR (7.7010)								1			1	1		
181567	BOLT, 1/4"-28X7/8" (12.9001)					1								1	
181333	BOLT, 5/16"-24X5/8" (12.9001)	1							1		1	1	1		
8927580	BOLT, 3/8"-16X1.015" (12.9001)				1										
120393	WASHER, 5/16" (12.9190)	1									1				
103341	WASHER, 3/8" (12.9190)				1										
120392	WASHER, 3/8" (12.9190)					1								1	
120380	LOCKWASHER, 1/4" (12.9200)					1								1	
103320	LOCKWASHER, 5/16" (12.9200)	1							1		1	1	1		
103321	LOCKWASHER, 3/8" (12.9200)				1										
114493	NUT, 5/16"-24 (2.7170)	1									1				
102635	NUT, 3/8"-16 (12.9120)				1										
121902	NUT, 1/2"-28 (12.9120)					1								1	

4.6000A DIPSTICK

PART			TYPES											
..FIG ..	NUMBER ..	NAME AND DESCRIPTION ..	5 9 7	6 0 6	6 0 8	6 1 0	6 1 1	6 1 6	6 1 7	6 1 9	6 2 3	6 2 6	6 3 7	6 3 8
4.6001 - DIPSTICK														
6A	5109258	+ DIPSTICK (X-18", Y-1", Z-15.88")	1											
6B	5134382	* DIPSTICK (X-14.50", Y-.78", Z-12.92")		1										
6A	5136356	+ DIPSTICK (X-20", Y-1.16", Z-18.45")			1									
6B	5133486	* DIPSTICK (X-27.25", Y-.46", Z-25.94")				1							1	
6A	5109254	+ DIPSTICK (X-13", Y-1.40", Z-10.94")					1							
6B	5138270	* DIPSTICK (X-14.25", Y-1.40", Z-10.79")						1						
6A	5162935	+ DIPSTICK (X-24", Y-.88", Z-22")							1					
6A	5109262	+ DIPSTICK (X-19", Y-.80", Z-17.44")								1				
6B	5142367	* DIPSTICK (X-29.25", Y-1.38", Z-26.62")									1			
6A	5109291	+ DIPSTICK (X-20", Y-1.75", Z-16.88")										1		
6A	5162835	+ DIPSTICK (X-11", Y-1.16", Z-9.40")												1
		+ NOT SERVICED; USE 8921988 DIPSTICK KIT (UNMARKED).												
		* NOT SERVICED; USE 8921987 DIPSTICK KIT (UNMARKED).												
4.6010 - GASKET, DIPSTICK														
	5106906	SEAL, .75" L. (RUBBER)	1				1		1	1		1		1
4.6020 - GUIDE, DIPSTICK														
6A	5121062	GUIDE (1 1/8" L.)	1	1	1	1	1		1	1	1			1
6A	5151430	GUIDE (1 1/2" L.)											1	
	442324	CONNECTOR, 7/16" INV. FL. TUBE (12.9460)										1		
4.6030 - ADAPTOR, DIPSTICK														
6A	5142943	ADAPTOR ASSY. (11.32" DEV. L.)	1											
6B	5143452	ADAPTOR ASSY. (12.10" DEV. L.)		1										
6A	5140366	+ ADAPTOR ASSY. (15.68" DEV. L.)			1									
6B	5140439	ADAPTOR ASSY. (26.02" DEV. L.)				1								
6A	5134420	ADAPTOR ASSY. (6.88" DEV. L.)					1							
6B	5196780	ADAPTOR ASSY. (8.40" L.)						1						
6A	5140476	ADAPTOR ASSY. (20.38" DEV. L.)							1					
6A	5142124	ADAPTOR ASSY. (15.00" DEV. L.)								1				
6B	5147190	ADAPTOR ASSY. (25.04" DEV. L.)									1			
6A	5143997	ADAPTOR ASSY. (11.29" DEV. L.)										1		
6A	5138463	ADAPTOR ASSY. (24.12" DEV. L.)											1	
6A	5143777	ADAPTOR ASSY. (8.43" DEV. L.)												1
		+ OBSOLETE												

4.6000A DIPSTICK

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION											
		5 9 7	6 0 8	6 0 8	6 1 0	6 1 1	6 1 6	6 1 7	6 1 9	6 2 3	6 2 6	6 3 7	6 3 8
4.6040 - CLIP, DIPSTICK													
5168001	CLIP (1/2" TUBE) (12.4090)				1				1				
5153473	CLIP (1/2" TUBE)											1	
5129435	CLIP (3/4" TUBE)							1					
5161873	CLIP (7/16" TUBE)									1			
5114541	BRACKET, CLIP (7.1587)				1				1				
5130913	BRACKET, CLIP									1			
5158462	BRACKET, CLIP											1	
179816	BOLT, 5/16"-18X3/4" (12.9001)											1	
179837	BOLT, 3/8"-16X3/4" (12.9001)								1				
179835	BOLT, 3/8"-16X5/8" (12.9001)									1			
179838	BOLT, 3/8"-16X7/8" (12.9001)				1								
181360	BOLT, 3/8"-24X3/4" (12.9001)								1				
103341	WASHER, 3/8" (12.9190)				1								
103320	LOCKWASHER, 5/16" (12.9200)											1	
103321	LOCKWASHER, 3/8" (12.9200)				1				2	1			
120376	NUT, 5/16"-18 (12.9120)											1	
102635	NUT, 3/8"-16 (12.9120)				1					1			
117049	NUT, 3/8"-24 (12.9120)								1				

4.6000A DIPSTICK

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	6 4 0	6 4 1	6 8 4	6 8 5	6 9 0	6 9 2	6 9 6	6 9 7	7 1 7	7 3 2	7 3 3	7 3 9
4.6001 - DIPSTICK														
6A	5162934	+ DIPSTICK (X-23", Y-1.18", Z-20.88")	1											
6A	5109252	+ DIPSTICK (X-11.00", Y-.62", Z-9.00")		1										
6A	5109256	+ DIPSTICK (X-16", Y-1.18", Z-14.25")			1									
6A	5145503	+ DIPSTICK (X-12.50", Y-1.18", Z-11.12")				1								
6B	5145849	% DIPSTICK (X-10.25", Y-1.36", Z-7.31")					1							
6B	5126144	% DIPSTICK (X-33.25", Y-1.28", Z-31.10")						1						
6B	5136624	% DIPSTICK (X-22.38", Y-.76", Z-20.62")							1					
6B	5134382	% DIPSTICK (X-14.50", Y-.78", Z-12.92")								1				
	5136973	+ DIPSTICK (X-30", Y-1.32", Z-26.70")									1			
6A	5132593	+ DIPSTICK (X-27", Y-.68", Z-25.38")										1		
6A	5179121	+ DIPSTICK (X-29", Y-1.60", Z-26.36")											1	
6A	5143409	+ DIPSTICK (X-13 1/4", Y-7/8", Z-9")												1
		+ NOT SERVICED; USE 8921988												
		DIPSTICK KIT (UNMARKED).												
		% NOT SERVICED; USE 8921987												
		DIPSTICK KIT (UNMARKED).												
4.6010 - GASKET, DIPSTICK														
	5106909	SEAL, .75" L. (RUBBER)	1	1	1	1					1	1	1	1
4.6020 - GUIDE, DIPSTICK														
6A	5121062	GUIDE (1 1/8" L.)			1	1	1	1	1	1	1	1	1	
6A	5151430	GUIDE (1 1/2" L.)		1										1
6A	5135007	GUIDE (6 1/2" L.)	1											
	442324	CONNECTOR, 7/16" INV. FL. TUBE (12.9460)			1									
4.6030 - ADAPTOR, DIPSTICK														
6A	5139921	ADAPTOR ASSY. (11.88" DEV. L.)	1											
6A	5139958	ADAPTOR ASSY. (7.72" DEV. L.)		1										
6A	5139699	* ADAPTOR (12.10" L.) (5109621)			1									
6A	5109615	* ADAPTOR (7.16" L.) (5109621)				1								
6B	5108801	ADAPTOR ASSY. (5.80" L.)					1							
	5145786	ADAPTOR ASSY. (29" L.)						1						
6B	5136656	+ ADAPTOR ASSY. (13" L. DEV. L.)							1					
6B	5139922	ADAPTOR ASSY. (12.06" DEV. L.)								1				
	5109767	ADAPTOR ASSY. (23.44" DEV. L.)									1			

4.6000A DIPSTICK

			TYPES											
PART			6	6	6	6	6	6	7	7	7	7	7	
FIG ... NUMBER ... NAME AND DESCRIPTION			4	4	8	8	9	9	9	1	3	3	3	
			0	1	4	5	0	2	6	7	2	9	9	
4.6030 - ADAPTOR, DIPSTICK (CONT'D)														
A	5140689	ADAPTOR ASSY. (20.48" DEV. L.)									1			
A	5140342	ADAPTOR ASSY. (20.03" DEV. L.)										1		
A	5143777	ADAPTOR ASSY. (8.43" DEV. L.)											1	
	137401	NUT, 1/2 INV. FL. TUBE (12.9460)				1								
* NOT SERVICED; USE PART NUMBER IN PARENTHESES AND CUT TO LENGTH.														
+ OBSOLETE.														
4.6040 - CLIP, DIPSTICK														
	5168001	CLIP (1/2" TUBE) (12.4090)									1	1		
	5153473	CLIP (1/2" TUBE)						1		1	1			
	5114541	BRACKET, CLIP (7.1587)										1		
	5188969	BRACKET, CLIP						1						
	5132060	BRACKET, CLIP								1				
	5173189	BRACKET (9.1591)									1			
	186629	BOLT, 5/16"-18X1" (12.9001)								1				
	181333	BOLT, 5/16"-24X5/8" (12.9001)										1		
	181595	BOLT, 5/16"-24X3/4" (12.9001)								1				
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)						1						
	179838	BOLT, 3/8"-16X7/8" (12.9001)									1			
	181360	BOLT, 3/8"-24X3/4" (12.9001)								1				
	120393	WASHER, 5/16" (12.9190)						1		1		1		
	103341	WASHER, 3/8" (12.9190)									1			
	103320	LOCKWASHER, 5/16" (12.9200)						1		1	1	1		
	103321	LOCKWASHER, 3/8" (12.9200)									1			
	114493	NUT, 5/16"-24 (12.9120)						1		1		1		
	102635	NUT, 3/8"-16 (12.9120)									1			

4.6000A DIPSTICK

PART FIG NUMBER NAME AND DESCRIPTION			TYPES											
			7 4 0	7 4 1	7 5 5	7 5 6	7 6 1	7 7 0	7 7 7	7 8 4	7 9 2	7 9 9	8 0 8	8 1 3
4.6001 - DIPSTICK														
6A	5139987	+ DIPSTICK (X-27.00", Y-1.32", Z-24.84")	1											
6A	5138867	+ DIPSTICK (X-25.00", Y-1.50", Z-22.60")		1										
6B	5137323	* DIPSTICK (X-12.25", Y-.72", Z-10.64")			1									
6B	5140126	* DIPSTICK (X-14.50", Y-.94", Z-12.81")				1	1							
6B	5148956	DIPSTICK (X-14.50", Y-1.20", Z-12.40")						1						
6A	5139695	DIPSTICK (X-13.70", Y-1.34", Z-7.96")							1					
6B	5143561	* DIPSTICK (X-12", Y-1.12", Z-10.00")								1				
6B	5134382	* DIPSTICK (X-14.50", Y-.78", Z-12.92")									1			
6B	5101541	* DIPSTICK (X-37.75", Y-.44", Z-37.75")										1		
	5135238	* DIPSTICK (X-28.25", Y-1.28", Z-25.94")											1	
6B	5133486	* DIPSTICK (X-27.25", Y-.46", Z-25.94")												1
		+ NOT SERVICED; USE 8921988 DIPSTICK KIT (UNMARKED).												
		* NOT SERVICED; USE 8921987 DIPSTICK KIT (UNMARKED).												
4.6010 - GASKET, DIPSTICK														
	5106909	SEAL, .75" L. (RUBBER)	1						1					
4.6020 - GUIDE, DIPSTICK														
6A	5151430	GUIDE (1 1/2" L.)	1	1			1	1				1		1
	5121062	GUIDE (1 1/8" L.)			1	1				1	1			
	5139275	GUIDE (8 5/8" L.)							1				1	
	5137864	GUIDE (4 3/4" L.)												
4.6030 - ADAPTOR, DIPSTICK														
6A	5140382	ADAPTOR (25.52" DEV. L.)	1											
6A	5140474	ADAPTOR (22.22" DEV. L.)		1										
6B	5148529	ADAPTOR (8.50" DEV. L.)			1	1								
6B	5129306	ADAPTOR (7.42" DEV. L.)					1							
6B	5137671	ADAPTOR (8.20" DEV. L.)						1						
6A	5176773	* ADAPTOR (6.08" DEV. L.) (5109621)							1					
6B	5196780	ADAPTOR (8.48" DEV. L.)								1				
6B	5142469	ADAPTOR (10.72" DEV. L.)									1			
6A	5101531	ADAPTOR (34.78" DEV. L.)										1		
	5101212	ADAPTOR (23.10" DEV. L.)											1	
6B	5101765	ADAPTOR (23.50" DEV. L.)												1
6A	137401	NUT, 1/2" INV. TUBE (12.9460)							1					
		* NOT SERVICED; USE PART NUMBER IN PARENTHESES AND CUT TO LENGTH.												
4.6040 - CLIP, DIPSTICK														
	5153473	CLIP, 1/2" TUBE	1	1										
	5136948	CLIP, 1/2" TUBE (2.5020)										1		
6A	5131426	CLIP, 1/2" TUBE												1
	5151108	CLIP, 1/2" (12.4095)											1	

4.6000A DIPSTICK

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	7 4 0	7 4 1	7 5 5	7 5 6	7 6 1	7 7 0	7 7 7	7 8 4	7 9 2	7 9 9	8 0 8	8 1 3
	4.6040	- CLIP, DIPSTICK (CONT'D)												
	5163503	BRACKET, CLIP (4.3050)			1									
	5126112	BRACKET, CLIP (12.6672)											1	
	5126530	PLUG, ANCHOR (7.7010)	1										1	
	443606	BOLT, 1/4"—20X3/4" (12.9001)											1	
	181567	BOLT, 1/4"-28X7/8" (12.9001)		1										
	181333	BOLT, 5/16"-24X5/8" (12.9001)	1											
	106261	WASHER, 5/16" (12.9190)											2	
	120392	WASHER, 3/8" (12.9190)			1									
	103319	LOCKWASHER, 1/4" (12.9200)			1									
	103320	LOCKWASHER, 5/16" (12.9200)	1										1	
	121902	NUT, 1/2"-28 (12.9120)			1									
	120375	NUT, 1/4"—20 (12.9120)											1	

4.6000A DIPSTICK

PART			TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	828	830	849	898	900	906	908	910	941	956	958	959	982
4.6001 - DIPSTICK															
6A	5109255	+ DIPSTICK (X-15.00", Y-.62", Z-13.50")	1												
6A	5109256	+ DIPSTICK (X-16.00", Y-1.18", Z-14.25")		1											
6A	5109262	+ DIPSTICK (X-19.00", Y-.80", Z-17.44")			1										
6A	5162934	+ DIPSTICK (X-23.00", Y-1.18", Z-20.88")				1				1					
6A	5162923	+ DIPSTICK (X-14.00", Y-.94", Z-11.88")					1								
6B	5148967	DIPSTICK (X-26.25", Y-1.32", Z-23.57")						1							
6A	5105169	DIPSTICK (X-10.16", Y-.62", Z-8.66")							1						
6A	5162946	+ DIPSTICK (X-30.00", Y-1.32", Z-27.32")									1				1
6A	5109265	+ DIPSTICK (X-21.00", Y-1.30", Z-19.20")										1			
6B	5146632	DIPSTICK (X-45.25", Y-.62", Z-43.38")											1		
6B	5101218	DIPSTICK (X-11.81", Y-.72", Z-10.21")												1	
+ NOT SERVICED; USE 8921988 DIPSTICK KIT (UNMARKED).															
4.6010 - GASKET, DIPSTICK															
	5106909	SEAL, .75" L. (RUBBER)	1	1	1	1	1			1	1	1		1	1
4.6020 - GUIDE, DIPSTICK															
6A	5121062	GUIDE (1 1/8" L.)	1	1	1		1		1	1	1	1		1	1
6A	5151430	GUIDE (1 1/2" L.)				1							1		
6A	5137864	GUIDE (4 3/4" L.)							1						
4.6030 - ADAPTOR, DIPSTICK															
6A	5109774	ADAPTOR (11.28" DEV. L.)		1											
6A	5175709	* ADAPTOR (10.20" DEV. L.) (5109621)					1								
6A	5102712	ADAPTOR (11.70" DEV. L.)	1												
6A	5109778	ADAPTOR (15.04" DEV. L.) (SD-231)							1						
6A	5142125	ADAPTOR (18.30" DEV. L.)				1				1					
6A	5107015	ADAPTOR (25.59" DEV. L.)									1				1
6B	5107994	ADAPTOR (42.93" DEV. L.)											1		
6B	5104795	ADAPTOR ASSY. (15.88" DEV. L.)						1							
6A	5116685	% ADAPTOR ASSY. (15.94" DEV. L.)										1			
6B	5148529	ADAPTOR ASSY. (8.50" DEV. L.)												1	
	137401	NUT, 1/2" INV. FL. TUBE (12.9460)					1								
* NOT SERVICED; USE PART NUMBER IN PARENTHESES AND CUT TO LENGTH.															
% NOT SERVICED; USE 5109762 PLUS SD-230.															
4.6040 - CLIP, DIPSTICK															
	5109020	CLIP, 1/2" TUBE				1				1					
	5136948	CLIP, 1/2" TUBE (2.5020)											1		
	5160388	CLIP, 3/8" (2.5070)							1						
	5173022	SUPPORT, CLIP (5.5379)							1						
	5170860	CLIP, 1/2" TUBE								1			1		
	5108249	CLIP, 2 3/8" TUBE (5.2190)										1			
	5153473	CLIP, 1/2"										1			1
	5156404	SPACER, (13/32"X3/4"X1 7/16") (4.8040)													
	5176408	BRACKET (4.8010)			1						1				1
	179837	BOLT, 3/8"-16X3/4" (12.9001)						1							
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			1					1					
	179816	BOLT, 5/16"-18 X 3/4" (12.9001)													1
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)													1
	103341	WASHER, 3/8" (12.9190)						2							
	103321	LOCKWASHER, 3/8" (12.9200)						1							1

4.6000A DIPSTICK

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	828	830	849	898	900	906	908	910	941	956	958	959	982
		4.6040 - CLIP, DIPSTICK (CONT'D)													
	103320	LOCKWASHER, 5/16" (12.9200)									1				1
	102635	NUT, 3/8"-16 (12.9120)						1							1
	120376	NUT, 5/16"-18 (12.9120)									1				

4.6000A DIPSTICK

			TYPES												
..FIG	PART NUMBER	NAME AND DESCRIPTION	9 9 0	1 0 4 8	1 0 5 0	1 0 5 1	1 0 5 2	1 0 7 0	1 0 7 1	1 0 7 2	1 0 7 3	1 0 7 4	1 1 2 0	1 1 2 1	1 1 3 1
4.6001 - DIPSTICK															
6A	5162941	* DIPSTICK (X-28.00", Y-1.18", Z-25.68")	1					1		1	1	1			
6A	5162836	* DIPSTICK (X-25.00", Y-1.16", Z-22.94")		1											
6A	5162944	* DIPSTICK (X-29.00", Y-.66", Z-27.32")			1									1	
6A	8921072	DIPSTICK (X-16.00", Y-1.42", Z-13.95")				1									
6B	5117792	% DIPSTICK (X-13.00", Y-1.10", Z-10.95")					1								
6A	5139623	* DIPSTICK (X-27.25", Y-1.00", Z-25.94")							1						
6A	5162667	DIPSTICK (X-26.32", Y-1.46", Z-23.46")											1		
	5132593	* DIPSTICK (X-27.00", Y-.68", Z-25.38")													1
		* NOT SERVICED, USE 5146680 DIPSTICK KIT (UNMARKED).													
		% NOT SERVICED, USE 5146679 DIPSTICK KIT (UNMARKED).													
4.6010 - GASKET, DIPSTICK															
	5106909	SEAL, .75" L. (RUBBER)	1								1	1	1		
4.6020 - GUIDE, DIPSTICK															
6A	5121062	GUIDE (1 1/8" L.)		1	1	1	1		1	1	1	1	1	1	1
6A	5137864	GUIDE (4 3/4" L.)												1	
4.6030 - ADAPTOR, DIPSTICK															
6A	5140888	+ ADAPTOR ASSY. (23.14" DEV. L.)	1												
6A	5140342	ADAPTOR ASSY. (20.08" DEV. L.)		1										1	
6A	5130247	ADAPTOR ASSY. (24.64" DEV. L.)			1										
6A	5109774	ADAPTOR ASSY. (11.28" DEV. L.)				1									
6B	5137671	ADAPTOR ASSY. (8.20" DEV. L.)					1								
6A	8922384	ADAPTOR ASSY. (23.40" DEV. L.)						1							
6A	8921154	ADAPTOR ASSY. (23.20" DEV. L.)							1						
6A	8921152	ADAPTOR ASSY. (23.19" DEV. L.)								1					
6A	8921153	ADAPTOR ASSY. (23.37" DEV. L.)									1				
6A	5132411	ADAPTOR ASSY. (24.88" DEV. L.)												1	
	5140689	ADAPTOR ASSY. (20.48" DEV. L.)													1
	442324	= CONNECTOR, 7/16" INV. FL. TUBE, 1/4"-18 (12.9460)	1												
		+ NOT SERVICED, FOR SERVICE USE 8921153 ADAPTOR ASSY. PLUS 1-5121062 GUIDE AND 1-5153473 CLIP.													
		= OBSOLETE.													
4.6040 - CLIP, DIPSTICK															
	5134552	BRACKET (7.1587)	1										1		
	5144629	BRACKET		1											
	5166565	BRACKET, CLIP (9.1591)			1										
	5114541	BRACKET, CLIP (7.1585)								1	1		1		
	5130913	BRACKET, CLIP (7.4597)						1							
	5161873	CLIP, 7/16" (7.4412)	1												
	5153473	CLIP, 1/2"						1		1	1	1			
	5131426	CLIP, 1/2"		1											
	140582	CLIP, 1/2" (12.9630)			1										
	5170860	CLIP, 1/2" TUBE 3/8" BOLT												1	
	5129435	CLIP, 1"							1						
	5153473	CLIP, 1/2"								1					
	5168001	CLIP, 1/2" (12.4095)												1	
	5109020	CLIP, 1/2"													1
	181333	BOLT, 5/16"-24 X 5/8" (12.9001)	1									1	1	1	

4.6000A DIPSTICK

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION													
		9 9 0	1 0 4 8	1 0 5 0	1 0 5 1	1 0 5 2	1 0 7 0	1 0 7 1	1 0 7 2	1 0 7 3	1 0 7 4	1 1 2 0	1 1 2 1	1 1 3 1	
4.6040 - CLIP, DIPSTICK (CONT'D)															
122223	BOLT, 7/16"-14X5/8" (12.9001)		1												
106284	BOLT, 3/8"-24X5/8" (12.9001)			1											
179837	BOLT, 3/8"-16X3/4" (12.9001)		1	1			1								
8927580	BOLT, 3/8"-16X1.015" (12.9001)														1
100001	BOLT, 1/4"-28X3/4" (12.9001)									1					
120392	WASHER, 1/4" (12.9190)								2						
120393	WASHER, 5/16" (12.9190)	2									2	2	1		
103341	WASHER, 3/8" (12.9190)													1	
103320	LOCKWASHER, 5/16" (12.9200)	1									1	1	1		
103322	LOCKWASHER, 7/16" (12.9200)		1												
103321	LOCKWASHER, 3/8" (12.9200)		1	2			1								1
103319	LOCKWASHER, 1/4" (12.9200)								1						
114493	LOCKNUT, 5/16"-24 (2.7170)	1								1	1	1	1		
103026	NUT, 3/8"-24 (12.9120)			1											
102635	NUT, 3/8"-16 (12.9120)		1				1								1
121902	NUT, 1/4"-28 (12.9120)								1						

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

. TYPES

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4.7000A OIL PAN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	1 0 6	1 0 8	1 0 9	1 1 0	1 1 4	1 1 5	1 1 6	1 2 4	1 2 8	1 3 0	1 3 9	1 4 5
4.7001 - PAN, OIL														
A	5121041	* PAN, 4-53 CAST (SD-115)	1						1					
A	5123543	# PAN, 3-53 CAST		1				1						
B	5144592	PAN, 3-53 STAMPED		1				1		1				
B	5143996	& PAN, 2-53 STAMPED			1		1							
A	5123542	# PAN, 2-53 CAST			1		1							
B	5121195	PAN, 2-53 STAMPED				1								
A	5123546	# PAN, 3-53 CAST								1				
A	5119499	= PAN, 2-53 CAST									1			
A	5123904	PAN, 3-53 ALUMINUM										1		
B	5125798	% PAN, 4-53 STAMPED												1
B	189691	BOLT, 5/16"-18X3/4" (W/LW) (12.9001)		20	16		16	20		20				24
A	5148437	BOLT, 5/16"-18X1" (W/LW) (12.9001)				16								
A	5148438	BOLT, 5/16"-18X1 1/4" (W/LW) (12.9001)	24	20	16		16	20	24	20	16	20		
		# NOT SERVICED, USE STAMPED OIL PAN AND GASKET SHOWN IN SAME TYPE, ALSO SUBSTITUTE BOLT 189691 IN PLACE OF 189700.												
		& NOT SERVICED, USE 5147383 PLUS 1-5142549 PLUG.												
		% NOT SERVICED, USE 5196848 OIL PAN AND INCLUDE (3) 5142549, (2) 5115214, (2) 5138621 PLUGS AND (1) 840277 GASKET.												
		* NOT SERVICED, USE 5196848 OIL PAN AND INCLUDE(1) 5140799, (1) 5116257, (24) 5148437 AND SD-115.												
		= OBSOLETE												
4.7010 - PAN, OIL - UPPER														
	5124566	PAN, 4-53											1	
	5148438	BOLT, 5/16"-18X1 1/4" (W/LW) (12.9001)											24	
4.7020 - PAN, OIL - LOWER														
	5125149	PAN, 4-53											1	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											12	
	103321	LOCKWASHER, 3/8" (12.9200)											12	
4.7030 - GASKET, OIL PAN TO BLOCK														
7A	5196060	GASKET SET, 4-53	1						1				1	
7A	5196059	GASKET SET, 3-53		1				1		1		1		
7A	5196058	GASKET SET, 2-53			1		1				1			

DETROIT DIESEL

53 MPC ENGINES

4.7000A OIL PAN

			TYPES												
PART	FIG	NUMBER	NAME AND DESCRIPTION	1 0 6	1 0 8	1 0 9	1 1 0	1 1 4	1 1 5	1 1 6	1 2 4	1 2 8	1 3 0	1 3 9	1 4 5
4.7030 - GASKET, OIL PAN TO BLOCK (CONT'D)															
7A		5116256	GASKET, 3-53		1				1		1				
7A		5116255	GASKET, 2-53			1	1	1							
7A		5116257	GASKET, 4-53					1							1
4.7040 - GASKET, LOWER OIL PAN															
		5125201	GASKET, 4-53											1	
4.7080 - PLUG, OIL PAN DRAIN															
PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.															
7A		5121182	PLUG, 1/4" PIPE (2.4015)	3							2				
7A		5145014	PLUG, 3/8" PIPE SQ. HD. (12.9550)					1	1	1					
7A		8923313	PLUG, 3/4" PIPE SQ. HD. (12.9550)	1	1	1	1				1	1		1	1
		5173335	PLUG, 3/4" PIPE (COUNTERSUNK HEAD)								1				
4.7100 - TUBE, OIL PAN DRAIN															
		5112605	TUBE ASSY. (FLEX.)					1	1	1					
		5138542	@ HOSE, #12 X 9 1/2" L.									1			
		5129157	@ # HOSE, #8 X 21" L. (8.3830)	1							1				
		5185996	PIPE ASSY.									1			
		5121023	CAP (DIPSTICK) (4.6001)									1			
		187396	@ COUPLING, 3/8" PIPE (12.9580)	1							1				
		144094	COUPLING, 1" X 3/4" RED. (9.9530)									1			
		5121825	FITTING, 1/2" HOSE (12.4090)	2							2				
		5121190	FITTING, 3/4" EXT. PIPE HOSE									2			
		142269	@ BUSHING, 1/2"X3/8" RED. (12.9570)	1							1				
		142767	@ BUSHING, 3/4"X3/8" RED. (12.9570)	1							1				
		8924163	BUSHING, 3/4"X1/2" RED. (12.9570)					1	1	1					
		111316	@ ELBOW, 3/8" STREET 90 DEG. (12.9590)	1							1				
		108686	ELBOW, 1/2"-90 DEG. STREET (12.9550)					1	1	1					
		112304	@ PLUG, 3/8" PIPE SQ. HD. BRASS (12.9550)	1							1				
		219754	NUT, 7/8"-14 (12.9120)					1	1	1					
@ MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.															
# STD. LENGTH, HOSE CUT TO LENGTH SHOWN.															
4.7101 - CLIP, OIL PAN DRAIN TUBE															
		5151189	@ CLIP, 3/4" (4.8040)	1							1				
		186627	@ BOLT, 3/8"-24X1" (12.9001)	1							1				
		103321	@ LOCKWASHER, 3/8" (12.9200)	1							1				

4.7000A OIL PAN

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION											
		1 0 6	1 0 8	1 0 9	1 1 0	1 1 4	1 1 5	1 1 6	1 2 4	1 2 8	1 3 0	1 3 9	1 4 5
	4.7101 - CLIP, OIL PAN DRAIN TUBE (CONT'D)												
117049	@ NUT, 3/8"-24 (12.9120) @ MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.	1							1				
	4.7112 - BRACKET, OIL PAN DRAIN TUBE												
5173022	@ BRACKET @ MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.	1							1				

4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES										
			1 4 8	1 4 7	1 4 8	1 4 9	1 5 2	1 5 3	1 5 4	1 5 7	1 6 1	1 6 2	1 7 2
		4.7001 - PAN, OIL											
7B	5144592	PAN, 3-53 STAMPED							1				
7A	5127913	PAN, 6V-53 ALUMINUM	1										
7B	5126889	PAN, 4-53 STAMPED		1						1			
7B	5126890	PAN, 3-53 STAMPED			1						1		
7B	5125762	@ PAN, 3-53 STAMPED				1							
7A	5162898	# PAN, 4-53 CAST					1						
7B	5143995	& PAN, 4-53 STAMPED					1						
7A	5126741	= PAN, 4-53 CAST						1					
7A	5126740	# PAN, 3-53 CAST							1				
7B	5126485	PAN, 3-53 STAMPED										1	
7B	5126268	% PAN, 4-53 STAMPED											1
7B	189691	BOLT, 5/16"-18X3/4" (W/LW) (12.9001)		24	20	20	24		20		20		24
	5148437	BOLT, 5/16"-18 X 1" (W/LW) (2.3260)								24			
7A	5148438	BOLT, 5/16"-18 X 1 1/4" (W/LW) (2.3260)					24	24	20			24	
7A	5148439	BOLT, 5/16"-18X1 3/8" (W/LW)	22										
		@ NOT SERVICED. USE TYPE 251 OIL PAN AND TYPE 253 DIPSTICK.											
		# NOT SERVICED. USE STAMPED OIL PAN AND GASKET SHOWN IN SAME TYPE, ALSO SUBSTITUTE BOLT 189691 IN PLACE OF 189700.											
		& NOT SERVICED. USE 5144593 OIL PAN AND INCLUDE (2) 5146012 PLUGS AND (2) 5142549 PLUGS.											
		% NOT SERVICED. USE TYPE 116 OIL PAN, TYPE 131 DIPSTICK AND 5123367 (FRONT SUMP) OR 5123368 (REAR SUMP) OIL PAN INLET PIPE.											
		= OBSOLETE											
		4.7030 - GASKET, OIL PAN TO BLOCK											
7A	5196060	GASKET SET, 4-53					1	1					
7A	5196059	GASKET SET, 3-53							1			1	
7A	5196061	GASKET SET, 6V-53	1			1							
7A	5116256	GASKET, 3-53			1	1			1		1		
7A	5116257	GASKET, 4-53		1			1			1			1
		4.7080 - PLUG, OIL PAN DRAIN											
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.											
7A	5121182	PLUG, 1/4" PIPE (2.4015)						3	2				
7A	5103186	* PLUG, 1/2" PIPE HEX. HD. (12.9550)	1										
7A	5115214	PLUG, 1/2" PIPE SQ. HD. (12.9550)	1	2	2			3	2	5	2	1	

4.7000A OIL PAN

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	1 4 6	1 4 7	1 4 8	1 4 9	1 5 2	1 5 3	1 5 4	1 5 7	1 6 1	1 6 2	1 7 2
4.7080 - PLUG, OIL PAN DRAIN (CONT'D)													
7A	8923313	@ PLUG, 3/4" PIPE SQ. HD. (12.9550)	1			1	1	1	1				2
7A	5103187	* PLUG, 3/4" PIPE HEX. HD. (12.9550)	1										
	5178994	@ PLUG, 3/4" PIPE (MAGNETIC)				1							
	5138621	PLUG, 18MM. X 1.5MM. THD. (4.7090)		1	1					1	1		
	840277	WASHER (18 MM.)		1	1					1	1		
		* OPTIONAL USAGE FOR TYPE 146.											
		@ OPTIONAL USAGE FOR TYPE 149, OR TYPE 157.											
4.7100 - TUBE, OIL PAN DRAIN													
	5129157	# & HOSE, #8 X 21" L. (8.3830)	1										1
	187396	# COUPLING, 3/8" PIPE (12.9580)	1										1
	5121825	FITTING, 1/2" HOSE (12.4090)	2										2
	142269	# BUSHING, 1/2"X3/8" RED. (12.9570)	1										1
	142767	# BUSHING, 3/4"X3/8" RED. (12.9570)	1										1
	111316	# ELBOW, 3/8"-90 DEG. STREET (12.9590)	1										1
	112304	# PLUG, 3/8" PIPE SQ. HD. BRASS (12.9550)	1										1
		# MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.											
		& STD. LENGTH HOSE, CUT TO LENGTH SHOWN.											
4.7101 - CLIP, OIL PAN DRAIN TUBE													
	5151189	# CLIP, 3/4" (4.8040)	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
		# MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.											
4.7112 - BRACKET, OIL PAN DRAIN TUBE													
	5173022	# BRACKET	1										1
		# MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.											

DETROIT DIESEL

53 MPC ENGINES

4.7000A OIL PAN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	1 7 3	1 7 8	1 7 9	2 0 4	2 0 6	2 0 7	2 0 9	2 1 3	2 1 7	2 2 1	2 2 2	2 2 5
4.7001 - PAN, OIL														
7B	5126269	* PAN, 4-53 STAMPED	1											
7B	5126266	@ PAN, 3-53 STAMPED		1										
7B	5126267	@ PAN, 3-53 STAMPED			1									
7B	5128036	# PAN, 3-53 STAMPED				1								
7A	5126448	PAN, 4-53 CAST					1							
7A	5126449	PAN, 4-53 CAST						1						
7A	5127986	= PAN, 2-53 CAST							1					
7B	5100157	& PAN, 4-53 STAMPED								1				
7A	5129677	PAN, 6V-53 CAST									1			
7B	5108712	PAN, 4-53 STAMPED										1		
7B	5109239	% PAN, 4-53 STAMPED											1	
7B	5109459	+ PAN, 3-53 STAMPED												1
7A	5148436	BOLT, 5/16"-18X3/4" (W/LW) (4.7120)	24	20	20	20				24				20
7A	5148437	BOLT, 5/16"-18 X 1" (W/LW) (2.3260)										24	24	
7A	5148438	BOLT, 5/16"-18 X 1 1/4" (W/LW) (2.3260)					24	24	16		22			
		* NOT SERVICED, USE TYPE 116 OIL PAN, TYPE 131 DIPSTICK AND 5123367 (FRONT SUMP) OR 5123368 (REAR SUMP) OIL PUMP INLET TUBE.												
		@ NOT SERVICED, USE TYPE 124 OIL PAN AND TYPE 131 DIPSTICK.												
		# NOT SERVICED, USE TYPE 329 OIL PAN, TYPE 235 OIL DISTRIBUTION AND TYPE 253 DIPSTICK.												
		& NOT SERVICED, USE TYPE 221 OIL PAN, TYPE 230 OIL DISTRIBUTION AND TYPE 256 DIPSTICK.												
		% NOT SERVICED, USE 5196848, PLUS (3) 5143449 PLUG, (1) 5138621 PLUG AND (1) 5138620 GASKET.												
		+ NOT SERVICED, USE 5146360 AND INCLUDE (1) 5142549 PLUG.												
		= OBSOLETE.												
4.7030 - GASKET, OIL PAN TO BLOCK														
7A	5116256	GASKET, 3-53		1	1	1								1
7A	5116257	GASKET, 4-53	1							1		1	1	
7A	5196060	GASKET SET, 4-53					1	1						
7A	5196058	GASKET SET, 2-53							1					
7A	5196061	GASKET SET, 6V-53									1			
4.7080 - PLUG, OIL PAN DRAIN														
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.												
7A	5145014	PLUG, 3/8" PIPE (12.9550)					1	1						

4.7000A OIL PAN

			TYPES											
FIG	PART NUMBER	NAME AND DESCRIPTION	1 7 3	1 7 8	1 7 9	2 0 4	2 0 6	2 0 7	2 0 9	2 1 3	2 1 7	2 2 1	2 2 2	2 2 5
4.7080 - PLUG, OIL PAN DRAIN (CONT'D)														
A	5115214	PLUG, 1/2" PIPE (12.9550)								1		2	2	5
A	8923313	PLUG, 3/4" PIPE (12.9550)	2	2	2	1	1	1	1	3	3	1	1	
	5103187	# PLUG, 3/4" PIPE HEX. HD. (12.9550)									1			
	5138621	PLUG, 18MM. X 1.5MM. THD. (4.7090)										1		1
	840277	WASHER (18 MM) (4.7090)										1		1
		# OPTIONAL USAGE FOR TYPE 217.												
4.7100 - TUBE, OIL PAN DRAIN														
	5129157	* @ HOSE, #8 X 21" L. (8.3830)	1	1	1		1	1						
	5138542	@ HOSE, #12 X 9 1/2" L. (12.4375)								1				
	5185996	PIPE ASSY.								1				
	5128565	CAP (DIPSTICK)								1				
	187396	* COUPLING, 3/8" (12.9580)	1	1	1		1	1						
	144094	COUPLING, 1"X3/4" (12.9580)								1				
	5121825	* FITTING, 1/2" HOSE, 3/8" P.T. (12.4090)	2	2	2		2	2						
	5121190	FITTING, 3/8" P.T. HOSE							2					
	111316	* ELBOW, 3/8" STREET 90 DEG. (12.9590)	1	1	1		1	1						
	112304	* PLUG, 3/8" PIPE SQ. HD. BRASS (12.9550)	1	1	1		1	1						
	8923313	PLUG, 3/4" PIPE (12.9550)								1				
	142269	* BUSHING, 1/2"X3/8" RED. (12.9570)	1	1	1		1	1						
	142767	* BUSHING, 3/4"X3/8" RED. (12.9570)	1	1	1		1	1						
		* MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.												
		@ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
4.7101 - CLIP, OIL PAN DRAIN TUBE														
	5151189	* CLIP, 3/4" (4.8040)	1	1	1		1	1						
	186627	* BOLT, 3/8"-24X1" (12.9001)	1	1	1		1	1						
	103321	* LOCKWASHER, 3/8" (12.9200)	1	1	1		1	1						
	117049	* NUT, 3/8"-24 (12.9120)	1	1	1		1	1						
		* MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.												
4.7112 - BRACKET, OIL PAN DRAIN TUBE														
	5173022	* BRACKET (5.5379)	1	1	1		1	1						
		* MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.												

DETROIT DIESEL

53 MPC ENGINES

4.7000A OIL PAN

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	1 7 3	1 7 8	1 7 9	2 0 4	2 0 6	2 0 7	2 0 9	2 1 3	2 1 7	2 2 1	2 2 2	2 2 5
		4.7120 - COVER, OIL PAN												
	5126496	COVER					1	1						
	179816	BOLT, 5/16"-18X3/4" (12.9001)					14	14						
	103321	LOCKWASHER, 5/16" (12.9200)					14	14						
		4.7130 - GASKET, OIL PAN COVER												
	5126497	GASKET					1	1						

4.7000A OIL PAN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	2 2 6	2 2 9	2 3 1	2 3 4	2 3 5	2 3 6	2 3 7	2 4 1	2 4 4	2 4 5	2 4 6	
4.7001 - PAN, OIL														
7B	5109281	= PAN, 6V-53 STAMPED	1											
7B	5144593	PAN, 4-53 STAMPED		1									1	
7A	5109091	+ PAN, 4-53 CAST		1										
7A	5109162	PAN, 6V-53 CAST			1									
7A	5137298	PAN, 6V-53 CAST				1								
7B	5173795	PAN, 6V-53 STAMPED							1					
	5162748	\$ PAN, 4-53 CAST					1							
7A	5146850	* PAN, 6V-53 CAST								1				
7B	5173864	@ PAN, 3-53 STAMPED									1			
7B	5173859	# PAN, 4-53 STAMPED										1		
7A	5109090	+ PAN, 4-53 CAST											1	
	5115214	PLUG, 1/2" PIPE (12.9550)								4				
	8923313	PLUG, 3/4" PIPE (12.9550)								2				
7A	5148436	BOLT, 5/16"-18X3/4" (W/LW) (4.7120)	22	24									24	
	5148437	BOLT, 5/16"-18 X 1" (W/LW) (2.3260)							22		22	24		
7A	5148438	BOLT, 5/16"-18 X 1 1/4" (W/LW) (2.3260)		24									24	
	179822	BOLT, 5/16"-18 X 1 1/2" (12.9001)			4									
7A	5148439	BOLT, 5/16"-18X1 3/4" (W/LW)			18	22				22				
	103320	LOCKWASHER, 5/16" (12.9200)			4									
		+ NOT SERVICED, USE STAMPED OIL PAN AND GASKET SHOWN IN TYPE, ALSO SUBSTITUTE BOLT 189691 IN PLACE OF 189700.												
		* NOT SERVICED, USE 5137298.												
		# NOT SERVICED, USE 5196848 AND INCLUDE (3) 5142549 PLUGS, (1) 5115211 PLUG.												
		= NOT SERVICED, USE 5173795 AND INCLUDE (2) 5115214 PLUGS.												
		@ NOT SERVICED, USE 5196847, 2-5142549, 1-5115214.												
		\$ OBSOLETE.												
4.7010 - PAN, OIL-UPPER														
	5109168	@ PAN (CAST IRON)							1					
	5148438	BOLT, 5/16"-18X1 1/4"(W/LW) (12.9001)					24							
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)						22						
	103320	LOCKWASHER, 5/16" (12.9200)						22						
		@ OBSOLETE.												
4.7020 - PAN, OIL-LOWER														
	5162680	PAN, 4-53					1							
	5125149	PAN, 6V-53						1						
	180120	BOLT, 3/8"-16X3/4" (12.9001)					12							
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						12						
	103321	LOCKWASHER, 3/8" (12.9200)					12	12						

4.7000A OIL PAN

			TYPES											
..FIG	..PART NUMBER	NAME AND DESCRIPTION	2 2 6	2 2 9	2 3 1	2 3 4	2 3 5	2 3 6	2 3 7	2 4 1	2 4 4	2 4 5	2 4 6	
		4.7030 - GASKET, OIL PAN TO BLOCK												
7A	5116256	GASKET, 3-53									1			
7A	5116257	GASKET, 4-53		1								1	1	
	5119266	GASKET, 6V-53	1					1						
7A	5196060	GASKET SET, 4-53		1		1	1			1			1	
7A	5196061	GASKET SET, 6V-53			1	1		1		1				
		4.7040 - GASKET, LOWER OIL PAN												
	5125201	GASKET					1	1						
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.												
	5121182	PLUG, 1/4" PIPE (2.4015)			1									
7A	5145014	PLUG, 3/8" PIPE (12.9550)			2	2								
7A	5115214	PLUG, 1/2" PIPE (12.9550)				2			7	1	2	1		
	5146891	PLUG, 1/2" PIPE SQ. HD. MAGNETIC							1					
7A	8923313	PLUG, 3/4" PIPE (12.9550)		2			1	1		2	1	1	2	
	5103187	PLUG, 3/4" PIPE HEX. HD. (12.9550)				2								
	5138621	PLUG, 18MM. X 1.5MM. THD. (4.7090)	1											
	840277	WASHER (18 MM) (4.7090)	1											
		4.7100 - TUBE, OIL PAN DRAIN												
	5129157	* @ HOSE, #8 X 21" L. (8.3830)			1	1								
	187396	* COUPLING, 3/8" (12.9580)			1	1								
	5121825	* FITTING, 1/2" HOSE, 3/8" P.T. (12.4090)			2	2								
	111316	* ELBOW, 3/8"-90 DEG. STREET (12.9590)			1	1								
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9510)							1					
	112304	* PLUG, 3/8" SQ. HD. BRASS (12.9550)			1	1								
	142269	* BUSHING, 1/2"X3/8" RED. (12.9570)			1	1								
	142767	* BUSHING, 3/4"X3/8" RED. (12.9570)			1	1								
	8924163	BUSHING, 3/4"-1/2" RED. (12.9570)							1					
		* MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474. @ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5151189	* CLIP, 3/4" TUBE (4.8040)			1	1								
	186627	* BOLT, 3/8"-24X1" (12.9001)			1	1								
	103321	* LOCKWASHER, 3/8" (12.9200)			1	1								

4.7000A OIL PAN

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION											
		2 2 6	2 2 9	2 3 1	2 3 4	2 3 5	2 3 6	2 3 7	2 4 1	2 4 4	2 4 5	2 4 6	
	4.7101	CLIP, OIL PAN DRAIN TUBE (CONT'D)											
	117049	* NUT, 3/8"-24 (12.9120) * MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.											
	4.7112	BRACKET, OIL PAN DRAIN TUBE											
	5173022	* BRACKET (5.5379) * MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.											

4.7000A OIL PAN

			TYPES											
FIG	PART NUMBER	NAME AND DESCRIPTION	247	250	251	253	260	261	264	267	272	273	274	277
4.7001 - PAN, OIL														
7B	5143995	@ PAN, 4-53 STAMPED	1											
7A	5162898	= PAN, 4-53 CAST	1											
7B	5109234	PAN, 4-53 STAMPED		1										
7B	5109907	* PAN, 3-53 STAMPED			1									
7A	5129677	PAN, 6V-53 CAST				1							1	
7B	5130558	+ PAN, 3-53 STAMPED					1							
7A	5162856	PAN, 4-53 CAST						1						
7A	5162855	PAN, 4-53 CAST							1					
7B	5130786	PAN, 4-53 STAMPED								1				
7B	5130785	# PAN, 6V-53 STAMPED									1			
7B	5130784	& PAN, 6V-53 STAMPED										1		
7B	5131632	% PAN, 4-53 STAMPED (USE TYPE 297)												1
7A	5148436	BOLT, 5/16"-18 X 3/4" (W/LW) (4.7120)PY4.7000A-300-4	24				20							20
7A	5148437	BOLT, 5/16"-18X1" (W/LW) (12.9001)		24	20					24	22	22		
7A	5148439	BOLT, 5/16"-18X1 3/8" (W/LW) (12.9001)	24			22		24	24				22	
		@ NOT SERVICED, USE 5144593 AND INCLUDE (2) 5115214 PLUGS AND (2) 5142549 PLUGS.												
		= NOT SERVICED, USE STAMPED OIL PAN AND GASKET SHOWN IN TYPE, ALSO SUBSTITUTE BOLT 189691 IN PLACE OF 5189700.												
		* NOT SERVICED, USE 5146360 AND INCLUDE (3) 5115214 PLUGS.												
		# NOT SERVICED, USE 5142310 AND INCLUDE (3) 5115214 AND (1) 5142549 PLUGS.												
		& NOT SERVICED, USE 5130785 PLUS (1) 5115214 PLUG.												
		% NOT SERVICED, CONVERT TO TYPE SHOWN.												
		+ OBSOLETE												
4.7030 - GASKET, OIL PAN TO BLOCK														
7A	5116257	GASKET, 4-53	1	1						1				
7A	5116256	GASKET, 3-53			1		1							1
7A	5119266	GASKET, 6V-53									1	1		
7A	5196060	GASKET SET, 4-53	1					1	1					
7A	5196061	GASKET SET, 6V-53				1							1	
4.7080 - PLUG, OIL PAN DRAIN														
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.												
	5138621	PLUG, 18MM. X 1.5MM. THD. (4.7090)		1			1			1				

4.7000A OIL PAN

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	2 4 7	2 5 0	2 5 1	2 5 3	2 6 0	2 6 1	2 6 4	2 6 7	2 7 2	2 7 3	2 7 4	2 7 7
		4.7080 - PLUG, OIL PAN DRAIN (CONT'D)												
	5138456	PLUG, 18MM. X 1.5MM. THD. (MAGNETIC)									1			
	5121182	PLUG, 1/4" PIPE SQ. HD. (2.4015)						1	1					
A	5145014	PLUG, 3/8" PIPE SQ. HD. (12.9550)						1	1					
	5115214	PLUG, 1/2" PIPE SQ. HD. (12.9550)		2		1				3	2	1	2	1
	5146309	PLUG, 1/2" PIPE (MAGNETIC)									1			
A	8923313	PLUG, 3/4" PIPE (12.9550)	1		1	2								1
A	5178994	PLUG, 3/4" PIPE (MAGNETIC)	1			3							1	
A	5103187	PLUG, 3/4" PIPE HEX. HD. (12.9550)				1								
	840277	WASHER (18 MM) (4.7090)		1			1			1				
		4.7100 - TUBE, OIL PAN DRAIN												
	5129157	* HOSE, #8 X 21" L. (8.3830)						1	1					
	187396	COUPLING, 3/8" PIPE (12.9580)						1	1					
	5121825	FITTING, 1/2" HOSE (12.4090)						2	2					
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)						1	1					
	112304	PLUG, 3/8" PIPE SQ. HD. BRASS (12.9550)						1	1					
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5151189	CLIP, 3/4" TUBE (4.8040)						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					
		4.7112 - BRACKET, OIL PAN DRAIN TUBE												
	5173022	BRACKET (5.5379)						1	1					

DETROIT DIESEL

53 MPC ENGINES

4.7000A OIL PAN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	279	285	289	293	294	296	297	298	312	315	316	321
4.7001 - PAN, OIL														
7B	5131571	* PAN, 3-53 STAMPED	1											
7B	5131850	@ PAN, 3-53 STAMPED (USE TYPE 298)		1										
7A	5132109	+ PAN, 3-53 CAST			1									
7A	5132173	? PAN, 3-53 CAST				1								
7A	5132172	? PAN, 3-53 CAST					1							
7A	5134037	PAN, 2-53 CAST						1						
7A	5132450	% PAN, 3-53 CAST							1					
7A	5132374	= PAN, 3-53 CAST								1				
7B	5133511	# PAN, 4-53 STAMPED									1			
7A	5132826	@ PAN, 8V-53 CAST (USE TYPE 334)										1		
7A	5132595	PAN, 4-53 CAST											1	
7A	5133287	PAN, 4-53 CAST												1
7A	5148436	BOLT, 5/16"-18 X 3/4" (W/LW) (4.7120)	20	20							24			
7A	5148437	BOLT, 5/16"-18 X 1" (W/LW) (2.3260)												
7A	5148438	BOLT, 5/16"-18 X 1 1/4" (W/LW) (2.3260)			20	20	20	16	20	20			24	24
7A	179823	BOLT, 5/16"-18X1 5/8" (12.9001)										22		
7A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)										4		
7A	272545	BOLT, 5/16"-18X5 1/4" (12.9001)										1		
	103320	LOCKWASHER, 5/16" (12.9200)										27		
* NOT SERVICED, CONVERT TO TYPE 530 AND INCLUDE TYPE 370 OIL DISTRIBUTION FOR FRONT SUMP APPLICATIONS ONLY.														
@ NOT SERVICED, CONVERT TO TYPE SHOWN.														
# NOT SERVICED, USE 519688 PLUS (2) 5142549 AND 5115214 PLUGS.														
+ NOT SERVICED, USE 5144592 PLUS 5126212, 5116256 AND (20) 5148437.														
% NOT SERVICED, USE 5144229 PLUS (3) 5142549, AND (2) 5115214.														
? OBSOLETE.														
= NOT SERVICED, USE 5144229 PLUS (3) 5102982, AND (2) 5115214.														
4.7030 - GASKET, OIL PAN TO BLOCK														
7A	5116257	GASKET, 4-53									1			
7A	5116256	GASKET, 3-53	1	1										
7A	5196060	GASKET SET, 4-53			1	1	1		1	1			1	1
7A	5196059	GASKET SET, 3-53												
7A	5196058	GASKET SET, 2-53						1						
7A	5198187	GASKET SET, 8V-53										1		
4.7080 - PLUG, OIL PAN DRAIN														
PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.														
	5138621	PLUG, 18MM. X 1.5MM. THD. (4.7090)		1										

4.7000A OIL PAN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	2 7 9	2 8 5	2 8 9	2 9 3	2 9 4	2 9 6	2 9 7	2 9 8	3 1 2	3 1 5	3 1 6	3 2 1
(CONT'D) UG, OIL PAN DRAIN														
	5146309	PLUG, 1/2" PIPE (MAGNETIC)									1			
7A	5145014	PLUG, 3/8" PIPE SQ. HD. (12.9550)				1	1							
7A	5115214	PLUG, 1/2" PIPE SQ. HD. (12.9550)							1	1				
7A	8923313	PLUG, 3/4" PIPE SQ. HD. (12.9550)	2			1	1	1	1	1	1	1	1	1
7A	5103185	PLUG, 1" PIPE SQ. HD. (12.9550)			1									
	840277	WASHER (18 MM) (4.7090)		1										
4.7100 - TUBE, OIL PAN DRAIN														
	5129157	* HOSE, #8 X 21" L. (8.3830)				1	1							
	187396	COUPLING, 3/8" PIPE (12.9580)				1	1							
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)				1	1							
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)				1	1							
	5121825	FITTING, 1/2" HOSE 3/8" P.T. (12.4090)				2	2							
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9390)				1	1							
	112304	PLUG, 3/8" PIPE SQ. HD. (12.9550)				1	1							
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
4.7101 - CLIP, OIL PAN DRAIN TUBE														
	5151189	CLIP, 3/4" TUBE (4.8040)				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							
4.7112 - BRACKET, OIL PAN DRAIN TUBE														
	5173022	BRACKET (5.5379)				1	1							
4.7120 - COVER, OIL PAN														
	5132352	* COVER				1	1							
	5162680	COVER											1	
	8923313	PLUG, 3/4" PIPE SQ. HD. (12.9550)											1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)				12	12							
	180120	BOLT, 3/8"-16X3/4" (12.9001)											12	
	103320	LOCKWASHER, 5/16" (12.9200)				12	12							
	103321	LOCKWASHER, 3/8" (12.9200)											12	
		* OBSOLETE.												
4.7130 - GASKET, OIL PAN COVER														
	5132362	+ GASKET				1	1							
	5125201	GASKET (4.7040)											1	
		+ OBSOLETE												

4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES											
			3 2 3	3 2 4	3 2 5	3 2 7	3 2 9	3 3 2	3 3 3	3 3 4	3 3 5	3 3 6	3 3 7	3 3 8
		4.7001 - PAN, OIL												
		FOR TYPE 328 USE TYPE 590.												
7A	5134236	* PAN, 8V-53 CAST (USE TYPE 333)	1											
7A	5133617	* PAN, 8V-53 CAST (USE TYPE 335)		1										
7B	5131076	PAN, 3-53 STAMPED			1									
7A	5134485	* PAN, 8V-53 CAST (USE TYPE 338)				1								
7B	5109906	@ PAN, 3-53 STAMPED					1							
7B	5135446	& PAN, 6V-53 STAMPED						1						
7A	5135551	PAN, 8V-53 CAST							1					
7A	5134635	% PAN, 8V-53 CAST (5135659)								1				
7A	5134590	% PAN, 8V-53 CAST (5135659)									1			
7A	5134788	% PAN, 8V-53 CAST (5135556)										1		
7A	5134037	PAN, 2-53 CAST											1	
7A	5134641	PAN, 8V-53 CAST												1
	5148436	BOLT, 5/16"-18X3/4" (W/LW) (4.7120)			20									
	5148437	BOLT, 5/16"-18 X 1" (W/LW) (2.3200)					20	22						
	5148438	BOLT, 5/16"-18 X 1 1/4" (W/LW) (2.3260)											16	
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)	22	22		22			22	22	20	22		22
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	4	4		4			2	2		2		2
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)	1	1		1			3	3	14	3		3
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)							2	2	2	2		
	103320	LOCKWASHER, 5/16" (12.9200)	27	27		27			27	27	27	27		27
	103321	LOCKWASHER, 3/8" (12.9200)							2	2	2	2		
		* NOT SERVICED: CONVERT TO TYPE SHOWN.												
		@ NOT SERVICED: USE 5196847 PLUS 2-5142549 AND 3-5115214 PLUGS.												
		& NOT SERVICED: USE 5173795.												
		% NOT SERVICED: USE OIL PAN IN PARENTHESES PLUS (1) NEW FLYWHEEL HOUSING AND 1-5115214 PLUG. OLD FLYWHEEL HOUSING 5134132, 5134722 OR 5132844 TO BE REPLACED BY NEW FLYWHEEL HOUSING 5135608, 5135787 OR 5135961 RESPECTIVELY.												
		4.7030 - GASKET, OIL PAN TO BLOCK												
7A	5116256	GASKET, 3-53				1		1						
7A	5119266	GASKET, 6V-53							1					
7A	5198187	GASKET SET, 8V-53	1	1		1			1	1	1	1		1
7A	5196058	GASKET SET, 2-53											1	
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.												
7A	5138621	PLUG, 18MM. X 1.5MM. (4.7090)						1						

4.7000A OIL PAN

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	3 2 3	3 2 4	3 2 5	3 2 7	3 2 9	3 3 2	3 3 3	3 3 4	3 3 5	3 3 6	3 3 7	3 3 8
4.7080 - PLUG, OIL PAN DRAIN (CONT'D)														
	5121182	PLUG, 1/4" PIPE SQ. HD. (2.4015)				1								
7A	5145014	PLUG, 3/8" P.T. (12.9550)				3								3
	5115214	PLUG, 1/2" PIPE SQ. SKT. HD. (12.9550)	1	1		1		2	1	1	1	1		
7A	8923313	PLUG, 3/4" P.T. (12.9550)	1	1	3		3	2	1	1	1	1	1	
4.7090 - GASKET, OIL PAN DRAIN PLUG														
	840277	WASHER (18MM.)						1						
4.7100 - TUBE, OIL PAN DRAIN														
	5129157	* HOSE, #8 X 21" L. (8.3830)				1								1
	187396	COUPLING, 3/8" PIPE (12.9580)				1								1
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)				1								1
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)				1								1
	5121825	FITTING, 1/2" HOSE, 3/8" P.T. (12.4090)				2								2
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9390)				1								1
	112304	PLUG, 3/8" PIPE SQ. HD. BRASS (12.9550)				1								1
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
4.7101 - CLIP, OIL PAN DRAIN TUBE														
	5151189	CLIP, 3/4" TUBE (4.8040)				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
4.7112 - BRACKET, OIL PAN DRAIN TUBE														
	5173022	BRACKET (5.5379)				1								1

4.7000A OIL PAN

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	3 4 4	3 4 5	3 4 8	3 5 0	3 5 1	3 5 3	3 5 4	3 5 7	3 6 0	3 6 1	3 6 7	3 7 6
4.7001 - PAN, OIL														
7A	5135551	PAN, 8V-53 CAST			1									
7B	5135838	= PAN, 6V-53 STAMPED	1											
7A	5133911	@ PAN, 3-53 CAST		1										
7B	5196847	PAN, 3-53 STAMPED				1								
7A	5162806	% PAN, 6V-53 CAST					1							
7A	5137298	PAN, 6V-53 CAST						1						
7A	5134523	PAN, 8V-53 CAST							1					
7A	5135313	# PAN, 6V-53 CAST									1			
7A	5135659	PAN, 8V-53 CAST										1		
7A	5136390	% PAN, 3-53 ALUMINUM											1	
7A	5135544	& PAN, 8V-53 CAST												1
	5148436	BOLT, 5/16"-18X3/4" (W/LW) (4.7120)				20								
	5148437	BOLT, 5/16"-18 X 1" (W/LW) (2.3260)	22											
	5148438	BOLT, 5/16"-18 X 1 1/4" (W/LW) (2.3260)		20						24				
	5148439	BOLT, 5/16"-18X1 3/8" (W/LW)					22	22			22			
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)			22				22			22		22
	426444	BOLT, 5/16"-18X3 1/4" (12.9001)											2	
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)							2			2		2
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)			3				3			3		3
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)							2					
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)			2							2		2
	103320	LOCKWASHER, 5/16" (12.9200)			27				27			27	2	27
	103321	LOCKWASHER, 3/8" (12.9200)							2					
	103329	LOCKWASHER, 1/2" (12.9200)			2							2		2
		= NOT SERVICED; USE 1-5145661 PAN PLUS 2-5115214 AND 1-5121182 PLUGS.												
		@ NOT SERVICED; USE 1-5144229 PAN AND 3-5142549 PLUGS.												
		# NOT SERVICED; USE 5137298 AND INCLUDE 1-5119266 GASKET, 22-5148437 BOLTS AND 2-5115214 PLUGS.												
		& NOT SERVICED; USE 5135659 PLUS 1-5115214 PLUG.												
		% OBSOLETE.												
4.7010 - PAN, OIL UPPER														
	5124566	PAN, 4-53 CAST								1				
	5148438	BOLT, 5/16"-18X1 1/4" (W/LW) (12.9001)									24			
4.7020 - PAN, OIL LOWER														
7A	5162680	COVER								1				
	179837	BOLT, 3/8"-16X3/4" (12.9001)								12				
	103321	LOCKWASHER, 3/8" (12.9200)								12				

4.7000A OIL PAN

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	3 4 4	3 4 5	3 4 8	3 5 0	3 5 1	3 5 3	3 5 4	3 5 7	3 6 0	3 6 1	3 6 7	3 7 6
		4.7030 - GASKET, OIL PAN TO BLOCK												
A	5116256	GASKET, 3-53				1								
A	5119266	GASKET, 6V-53	1											
A	5196059	GASKET, 3-53											1	
A	5198187	GASKET SET, 8V-53			1				1			1		1
A	5196061	GASKET SET, 6V-53		1			1	1			1			
A	5196060	GASKET SET, 4-53								1				
		4.7040 - GASKET, LOWER OIL PAN												
	5125201	GASKET								1				
		4.7045 - BAFFLE, OIL PAN												
	5136389	BAFFLE, OIL PAN (WITH HOLE)												1
	5136383	+ BAFFLE, OIL PAN												1
	5175705	SPACER, 13/32" X 7/8" X 1" (8.3826)												2
	5136529	BOLT, 3/8"-16X1.625" (NYLON INSERT) (12.9001)												2
		+ OBSOLETE.												
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.												
A	5121182	PLUG, 1/4" PIPE SQ. HD. (2.4015)							1					
A	5145014	PLUG, 3/8" P.T. (12.9550)							1					
A	5115214	PLUG, 1/2" PIPE SQ. HD. (12.9550)		1	1	3	1	1			1	1	1	
A	8923313	PLUG, 3/4" P.T. (12.9550)		3	1	3	2					1		1
A	5102982	PLUG, 3/4" PIPE (12.9550)	1											
A	5103187	PLUG, 3/4"-14 (12.9550)						1			1			
		4.7100 - TUBE, OIL PAN DRAIN												
	5129157	* HOSE, #8 X 21" L. (8.3830)							1					
	187396	COUPLING, 3/8" PIPE (12.9580)							1					
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)							1					
	8924159	BUSHING, 3/4"X3/8" RED. (12.9570)							1					
	5121825	FITTING, 1/2" HOSE, 3/8"P.T. (12.4090)							2					
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)							1					
	112304	PLUG, 3/8" PIPE SQ. HD. BRASS (12.9550)							1					
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												