

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

TYPES

MAY, 1987 PAGE 29.1 OF 1.5000A
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5 3 M P C E N G I N E S

TYPES

APRIL, 1983 PAGE 1 OF 1.5000B
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1.6000 CONNECTING ROD AND PISTON

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	2 5	2 6	2 7	2 9	3 5	5 3	5 6	5 8	5 9	6 0	6 1	6 2
1.6001 - CONNECTING ROD ASSY.														
QUANTITIES SHOWN ARE PER CYLINDER.														
A ROD ASSY. INCLUDES CAP AND ORIFICE														
WHICH ARE NOT SOLD SEPARATELY,														
PLUS ITEMS IN 1.6001, 1.6010 AND														
1.6040.														
VAPOR BLASTED BUSHING (TYPE 58 AND														
59) NOT SERVICED SEPARATELY.														
6A	5121262	ROD ASSY., 2,3,4-53	1	1	1			1					1	
6A	5121381	ROD ASSY., 2-53				1								
6A	5128517	# ROD ASSY., 6V53					1		1					
6A	5133109	ROD ASSY., 6,8V53								1	1	1		1
6A	5121210	& BOLT, 5/16"-24X2.90"L.					2							
6A	5128339	% BOLT, 5/16"-24X2.81"L.					2		2					
6A	5197852	BOLT, 3/8"-24X2.76"L.	2	2	2	2		2		2	2	2	2	2
6A	5121211	NUT, 5/16"-24					2		2					
6A	839103	NUT, 3/8"-24	2	2	2	2		2		2	2	2	2	2
# NOT SERVICED, REPLACE WITH														
5133109.														
& THRU 6D-306.														
% EFFECTIVE WITH 6D-307.														
1.6010 - NOZZLE, CONNECTING ROD SPRAY														
6A	5150140	NOZZLE	1	1	1	1	1	1	1	1	1	1	1	1
1.6020 - ORIFICE, CONNECTING ROD														
	5198179	ORIFICE, 5/16"X7/16"	1	1	1			1		1	1	1	1	1
1.6040 - BUSHING, CONNECTING ROD PISTON PIN														
6A	5116181	BUSHING	2	2	2	2	2	2	2			2	2	2
1.6100 - SHELL, CONNECTING ROD BEARING														
A SHELL SET CONSISTS OF ONE UPPER														
AND ONE LOWER SHELL.														
	5149452	SHELL SET (STANDARD)	AR	AR	AR	AR		AR					AR	
	5149453	SHELL SET (.002"U.S.)	AR	AR	AR	AR		AR					AR	
	5149454	SHELL SET (.010"U.S.)	AR	AR	AR	AR		AR					AR	
	5149455	SHELL SET (.020"U.S.)	AR	AR	AR	AR		AR					AR	
	5149456	SHELL SET (.030"U.S.)	AR	AR	AR	AR		AR					AR	
	5197975	SHELL SET (STANDARD)					AR		AR	AR	AR	AR		AR
	5197976	SHELL SET (.002"U.S.)					AR		AR	AR	AR	AR		AR
	5197977	SHELL SET (.010"U.S.)					AR		AR	AR	AR	AR		AR
	5197978	SHELL SET (.020"U.S.)					AR		AR	AR	AR	AR		AR
	5197979	SHELL SET (.030"U.S.)					AR		AR	AR	AR	AR		AR
1.6110 - PISTON KIT														
A PISTON KIT INCLUDES BUSHING IN														
1.6145 AND RETAINER IN 1.6150.														
VAPOR BLASTED BUSHINGS (TYPE 58, 59)														
NOT SERVICED SEPARATELY.														
6A	5195931	PISTON KIT (STANDARD) 2, 3, 4, 6V53	1	1	1	1	1					1		

1.6000 CONNECTING ROD AND PISTON

PART ..FIG .. NUMBER .. NAME AND DESCRIPTION ..			TYPES											
			2 5	2 6	2 7	2 9	3 5	5 3	5 6	5 8	5 9	6 0	6 1	6 2
1.6110 - PISTON KIT (CONT'D)														
6A	5198877	PISTON KIT ("N" ENGINE) 3, 4, 6, 8V53						1	1				1	1
6A	5198572	PISTON KIT (TURBO, VAP BLAST) 4, 6V53								1	1			
1.6115 - RING SET, PISTON														
A PISTON RING SET CONSISTS OF SUFFICIENT RINGS FOR ONE (1) CYLINDER.														
5198822	RING SET	AR	AR	AR	AR	AR						AR		
5198902	RING SET						AR	AR						
5198901	RING SET (STANDARD TURBO)								AR	AR				
5149942	RING SET												AR	AR
1.6120 - RING, PISTON COMPRESSION														
6A	5103382	RING (FIRE RING)	1	1	1	1	1	1	1	1	1	1	1	1
6A	8923328	RING (FIRE RING)												
6A	5116184	RING (CHROMED) (2ND, 3RD AND 4TH)	3	3	3	3	3	3	3	3	3	3	3	3
6A	5127147	* RING (CAST IRON) (3RD AND 4TH)	AR	AR	AR	AR	AR							
* OPTIONAL FOR SERVICE-USE FOR LOWER TWO COMPRESSION GROOVES ONLY.														
1.6130 - RING, PISTON OIL CONTROL														
AN OIL CONTROL RING SET CONSISTS OF RINGS FOR ONE (1) CYLINDER. AN OIL CONTROL RING CONSISTS OF TWO (2) SCR APERS AND ONE (1) EXPANDER.														
6A	5195933	RING (UPPER AND LOWER GROOVE)	2	2	2	2	2	2	2			2	2	2
6A	5198092	RING SET								1	1			
1.6140 - PIN, PISTON														
6A	5116189	PIN	1	1	1	1	1	1	1	1	1	1	1	1
1.6145 - BUSHING, PISTON PIN														
6A	5116181	BUSHING (1.6040)	2	2	2	2	2	2	2			2	2	2
1.6150 - RETAINER, PISTON PIN														
6A	5108131	RETAINER	2	2	2	2	2	2	2	2	2	2	2	2
1.6180 - LINER, CYLINDER														
6A	5132803	LINER (STANDARD)	1	1	1	1	1	1	1	1	1	1	1	1
6A	5101016	LINER (.010" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	5149944	+ LINER (.020" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
+ USE WITH 5149945 SEAL.														

1.6000 CONNECTING ROD AND PISTON

			TYPES											
PART	FIG	NUMBER	NAME AND DESCRIPTION	25	26	27	29	35	53	56	58	59	60	61
1.6182 - CYLINDER KIT														
A CYLINDER KIT CONSISTS OF ITEMS IN 1.6110, 1.6120, 1.6140, 1.6150, 1.6180 AND 1.6190 FOR ONE (1) CYLINDER.														
5198903			CYLINDER KIT (STD., 17:1 RATIO) 2,3,4,6V53	AR	AR	AR	AR	AR					AR	
5198899			CYLINDER KIT ("N" ENGINES) 3,4,6,8V53 (21:1 RATIO)											AR
5197341	#		CYLINDER KIT (17.5:1 RATIO) 4,6V53								AR	AR		AR
5198904			CYLINDER KIT (21:1, DEEP BOWL) 3,4,6V53						AR	AR				
# NOT SERVICED, REPLACED BY 5149315 CYLINDER KIT.														
1.6190 - SEAL, CYLINDER LINER														
6A	5121256		SEAL	2	2	2	2	2	2	2	2	2	2	2
6A	5149945		SEAL, .020" O.S., O.D.	2	2	2	2	2	2	2	2	2	2	2

1.6000 CONNECTING ROD AND PISTON

			TYPES											
FIG	PART NUMBER	NAME AND DESCRIPTION	6 3	6 4	6 5	6 6	6 7	6 8	7 7	8 0	8 3	9 4	9 6	9 7
1.6001 - CONNECTING ROD ASSY.														
FOR TYPE 70 USE TYPE 80. QUANTITIES SHOWN ARE PER CYLINDER. A ROD ASSY. INCLUDES CAP AND ORIFICE WHICH ARE NOT SOLD SEPARATELY, PLUS ITEMS IN 1.6001, 1.6010 AND 1.6040.														
6A	5121262	ROD ASSY., 2,3,4-53			1	1	1		1	1		1		
6A	5121381	ROD ASSY., 2-53									1			
6A	5133109	ROD ASSY., 6,8V53	1	1				1					1	1
6A	5197852	BOLT, 3/8 -24X2.76 L.	2	2	2	2	2	2	2	2	2	2	2	2
6A	839103	NUT, 3/8"-24	2	2	2	2	2	2	2	2	2	2	2	2
1.6010 - NOZZLE, CONNECTING ROD SPRAY														
6A	5150140	NOZZLE	1	1	1	1	1	1	1	1	1	1	1	1
1.6020 - ORIFICE, CONNECTING ROD														
	5198179	ORIFICE, 5/16"X7/16"										1		
1.6040 - BUSHING, CONNECTING ROD PISTON PIN														
6A	5116181	BUSHING	2	2	2	2	2	2	2	2	2	2	2	2
1.6100 - SHELL, CONNECTING ROD BEARING														
A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER SHELL.														
	5149452	SHELL SET (STANDARD)				AR	AR	AR		AR	AR	AR	AR	AR
	5149453	SHELL SET (.002"U.S.)				AR	AR	AR		AR	AR	AR	AR	AR
	5149454	SHELL SET (.010"U.S.)				AR	AR	AR		AR	AR	AR	AR	AR
	5149455	SHELL SET (.020"U.S.)				AR	AR	AR		AR	AR	AR	AR	AR
	5149456	SHELL SET (.030"U.S.)				AR	AR	AR		AR	AR	AR	AR	AR
	5197975	SHELL SET (STANDARD)	AR	AR				AR					AR	AR
	5197976	SHELL SET (.002"U.S.)	AR	AR				AR					AR	AR
	5197977	SHELL SET (.010" U.S.)	AR	AR				AR					AR	AR
	5197978	SHELL SET (.020" U.S.)	AR	AR				AR					AR	AR
	5197979	SHELL SET (.030" U.S.)	AR	AR				AR					AR	AR
1.6110 - PISTON KIT														
A PISTON KIT INCLUDES BUSHING IN 1.6145 AND RETAINER IN 1.6150.														
6A	5195931	PISTON KIT, 2, 3, 4, 6V53 (STANDARD)									1			
6A	5198877	PISTON KIT, 3, 4, 6, 8V53 ("N" ENGINE)	1	1	1	1	1	1	1				1	1
6A	5198572	PISTON KIT, 4, 6V53 (TURBO)										1		
	5198427	PISTON KIT, 4-53								1				
1.6115 - RING SET, PISTON														
A PISTON RING SET CONSISTS OF SUFFICIENT RINGS FOR ONE (1) CYLINDER.														
	5198822	RING SET									AR	AR		

1.6000 CONNECTING ROD AND PISTON

			TYPES											
PART ..FIG .. NUMBER .. NAME AND DESCRIPTION ..			6 3	6 4	6 5	6 6	6 7	6 8	7 7	8 0	8 3	9 4	9 6	9 7
1.6115 - RING SET, PISTON (CONT'D)														
	5149942	RING SET		AR				AR					AR	AR
	5198902	RING SET			AR	AR			AR					
	5198901	RING SET (STANDARD TURBO)	AR				AR					AR		
1.6120 - RING, PISTON COMPRESSION														
6A	5103382	RING (FIRE RING)			1	1			1	1	1	1		
6A	8923328	RING (FIRE RING)	1	1			1	1					1	1
6A	5116184	RING (CHROMED) (2ND, 3RD AND 4TH)	3	3	1	1	3	3	1	3	1	3	3	3
6A	5127147	* RING (CAST IRON) (3RD AND 4TH)			2	2		AR	2		2			
* OPTIONAL FOR SERVICE-USE FOR LOWER TWO COMPRESSION GROOVES ONLY FOR TYPE 68.														
1.6130 - RING, PISTON OIL CONTROL														
AN OIL CONTROL RING SET CONSISTS OF RINGS FOR ONE (1) CYLINDER. AN OIL CONTROL RING CONSISTS OF TWO (2) SCRAPERS AND ONE (1) EXPANDER.														
6A	5195933	RING (UPPER AND LOWER GROOVE)		2	2	2		2	2	2	2		2	2
6A	5198092	RING SET	1				1					1		
1.6140 - PIN, PISTON														
6A	5116189	PIN	1	1	1	1	1	1	1	1	1	1	1	1
1.6145 - BUSHING, PISTON PIN														
6A	5116181	BUSHING (1.6040)	2	2	2	2	2	2	2	2	2	2	2	2
1.6150 - RETAINER, PISTON PIN														
6A	5108131	RETAINER	2	2	2	2	2	2	2	2	2	2	2	2
1.6180 - LINER, CYLINDER														
6A	5132803	LINER (STANDARD)	1	1	1	1	1	1	1	1	1	1	1	1
6A	5101016	LINER (.010" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	5149944	+ LINER (.020" O.S., O.D.)												
+ USED WITH 5149945 SEAL.														
1.6182 - CYLINDER KIT														
A CYLINDER KIT CONSISTS OF ITEMS IN 1.6110, 1.6120, 1.6140, 1.6150, 1.6180 AND 1.6190 FOR ONE (1) CYLINDER.														
	5198903	CYLINDER KIT, 2,3,4,6V53 (STD., 17:1 RATIO)									AR			
	5198899	CYLINDER KIT, 3,4,6,8V53 ("N" ENGINES)		AR				AR					AR	AR
	5197341	# CYLINDER KIT, 4,6V53 (17.5:1 RATIO)										AR		
	5199116	CYLINDER KIT, 6V53 (21:1 RATIO)	AR				AR							

1.6000 CONNECTING ROD AND PISTON

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	6 3	6 4	6 5	6 6	6 7	6 8	7 7	8 0	8 3	9 4	9 6	9 7
		1.6182 - CYLINDER KIT (CONT'D)												
	5198904	CYLINDER KIT, 3,4,6V53 (21:1, DEEP BOWL)				AR	AR		AR					
	5198905	CYLINDER KIT, 3,4-53 (23:1, DEEP BOWL)								AR				
		# NOT SERVICED, REPLACED BY 5149315 CYLINDER KIT.												
		1.6190 - SEAL, CYLINDER LINER												
6A	5121256	SEAL	2	2	2	2	2	2	2	2	2	2	2	2
6A	5149945	SEAL, .020" O.S., O.D.	2	2	2	2	2	2	2	2	2	2	2	2

1.6000 CONNECTING ROD AND PISTON

PART			TYPES														
FIG	NUMBER	NAME AND DESCRIPTION	98	110	118	172	176	180	181	182	183	194	204	205	206	207	
1.6001 - CONNECTING ROD ASSY.																	
QUANTITIES SHOWN ARE PER CYLINDER.																	
A ROD ASSY. INCLUDES CAP AND ORIFICE																	
WHICH ARE NOT SOLD SEPARATELY,																	
PLUS ITEMS IN 1.6001, 1.6010 AND																	
1.6040.																	
VAPOR BLASTED BUSHINGS (TYPES 110,																	
172, 176, 180, 181, 182, 194, 204, 205,																	
206 AND 207) ARE NOT SERVICED SE																	
PARATELY.																	
6A	5121262	ROD ASSY., 3,4-53	1		1						1						
6A	5140949	ROD ASSY., 6V53, 8V53 (TURBO)		1			1		1	1							
6A	5103817	# ROD ASSY., 3,4-53 (TURBO)				1		1				1		1			
6A	5108178	ROD ASSY., 4-53 (TURBO)													1	1	
6A	5106977	ROD ASSY., 6V53 (TURBO)											1				
6A	5197852	BOLT, 3/8"-24X2.76"L.	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
6A	839103	NUT, 3/8"-24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
# NOT SERVICED, USE 5108178 ROD																	
ASSY. AND TO INSURE																	
INTERCHANGEABILITY USE (1)																	
8920717 (18.7:1) PISTON ASSY. (1)																	
5106902 PIN AND (2) 5108175																	
RETAINERS.																	
1.6010 - NOZZLE, CONNECTING ROD SPRAY																	
6A	5150140	NOZZLE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1.6020 - ORIFICE, CONNECTING ROD																	
	5198179	ORIFICE, 5/16"X7/16"	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1.6040 - BUSHING, CONNECTING ROD PISTON																	
PIN																	
6A	5116181	BUSHING	2		2						2						
1.6100 - SHELL, CONNECTING ROD BEARING																	
A SHELL SET CONSISTS OF ONE UPPER																	
AND ONE LOWER SHELL.																	
	5149452	SHELL SET (STANDARD)	AR		AR	AR		AR			AR	AR		AR	AR	AR	
	5149453	SHELL SET (.002" U.S.)	AR		AR	AR		AR			AR	AR		AR	AR	AR	
	5149454	SHELL SET (.010" U.S.)	AR		AR	AR		AR			AR	AR		AR	AR	AR	
	5149455	SHELL SET (.020" U.S.)	AR		AR	AR		AR			AR	AR		AR	AR	AR	
	5149456	SHELL SET (.030" U.S.)				AR		AR				AR		AR	AR	AR	
	5197975	SHELL SET (STANDARD)		AR			AR		AR	AR			AR				
	5197976	SHELL SET (.002" U.S.)		AR			AR		AR	AR			AR				
	5197977	SHELL SET (.010" U.S.)		AR			AR		AR	AR			AR				
	5197978	SHELL SET (.020" U.S.)		AR			AR		AR	AR			AR				
	5197979	SHELL SET (.030" U.S.)		AR			AR		AR	AR			AR				

1.6000 CONNECTING ROD AND PISTON

PART			TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	98	110	118	172	176	180	181	182	183	194	204	205	206	207
1.6110 - PISTON KIT																
A PISTON KIT INCLUDES BUSHING IN 1.6145 AND RETAINER IN 1.6150. VAPOR BLASTED BUSHINGS (TYPES 110, 172, 176, 180, 181, 182, 194, 204, 205, 206 AND 207) ARE NOT SERVICED SEPARATELY.																
6A	5198877	PISTON KIT, 3, 4-53 ("N" ENGINE)	1		1											
6A	5198572	PISTON KIT, 6V, 8V53 (TURBO, VAP BLAST)		1					1	1				1		
6A	8920717	PISTON KIT, 4, 6V53 (TURBO, VAP BLAST)											1		1	1
6A	5104673	PISTON KIT, 4-53, 6V53 (TURBO, VAP BLAST)					1	1				1				
6A	5195931	PISTON KIT, 3-53 (STANDARD)									1					
6A	5103921	# PISTON KIT, 4-53 (TURBO, VAP BLAST) # OBSOLETE.				1										
1.6115 - RING SET, PISTON																
A PISTON RING SET CONSISTS OF SUFFICIENT RINGS FOR ONE (1) CYLINDER.																
	5149942	RING SET	AR		AR								AR	AR		
	5149359	RING SET				AR	AR	AR							AR	AR
	5149314	RING SET		AR					AR						AR	
	5198901	RING SET								AR						
	5198902	RING SET									AR					
1.6120 - RING, PISTON COMPRESSION																
6A	8923328	RING, FIRE RING	1		1											
6A	5103382	RING, FIRE RING		1		1	1	1	1	1	1	1	1	1	1	1
6A	5116184	RING (CHROMED)(2ND, 3RD AND 4TH)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	5127147	RING (CAST IRON) 3RD AND 4TH									2					
1.6130 - RING, PISTON OIL CONTROL																
AN OIL CONTROL RING SET CONSISTS OF RINGS FOR ONE (1) CYLINDER. AN OIL CONTROL RING CONSISTS OF TWO (2) SCRAPERS AND ONE (1) EXPANDER.																
	5149313	RING SET		1					1					1		
	5198092	RING SET								1						
	5149378	RING SET				1	1	1				1	1		1	1
	5149610	RING SET (LOWER GROOVE)				1	1	1				1	1		1	1
	5195933	RING SET	2		2						2					
1.6140 - PIN, PISTON																
6A	5104651	PIN (DRILLED)		1		1	1	1	1	1		1		1		
	5116189	PIN	1		1						1					
	5106902	PIN (1.5030"-1.5025" DIA.)											1		1	1
1.6145 - BUSHING, PISTON PIN																
6A	5116181	BUSHING (1.6040)	2		2						2					

1.6000 CONNECTING ROD AND PISTON

PART			TYPES													
..FIG ..	NUMBER	NAME AND DESCRIPTION	9 8	1 1 0	1 1 8	1 7 2	1 7 6	1 8 0	1 8 1	1 8 2	1 8 3	1 9 4	2 0 4	2 0 5	2 0 6	2 0 7
1.6150 - RETAINER, PISTON PIN																
6A	5108131	RETAINER	2	2	2	2	2	2	2	2	2	2		2		
6A	5108175	RETAINER											2		2	2
1.6180 - LINER, CYLINDER																
6A	5132803	LINER (STANDARD)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6A	5101016	LINER (.010" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	5149944	+ LINER (.020" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
+ USE WITH 5149945 SEAL.																
1.6182 - CYLINDER KIT																
A CYLINDER KIT CONSISTS OF ITEMS IN 1.6110, 1.6120, 1.6140, 1.6150, 1.6180, AND 1.6190 FOR ONE (1) CYLINDER A KIT FOR TYPE 183 IS NOT AVAILABLE.																
	5198899	CYLINDER KIT, 3,4-53 ("N" ENGINES)	AR		AR											
	5149315	CYLINDER KIT (5083-5399)		AR					AR						AR	
	5149360	CYLINDER KIT, 3, 4-53 (TURBO)					AR	AR				AR				
	5149734	CYLINDER KIT (TURBO)											AR		AR	AR
1.6190 - SEAL, CYLINDER LINER																
6A	5121256	SEAL	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6A	5149945	SEAL, .020" O.S., O.D.	2	2	2	2	2	2	2	2	2	2	2	2	2	2

1.6000 CONNECTING ROD AND PISTON

PART				TYPES									
..FIG ..	NUMBER	NAME AND DESCRIPTION	208	236	238	239	240	241	242	243	244	245	249
1.6001 - CONNECTING ROD ASSY.													
QUANTITIES SHOWN ARE PER CYLINDER. A ROD ASSY. INCLUDES CAP AND ORIFICE WHICH ARE NOT SOLD SEPARATELY, PLUS ITEMS IN 1.6001, 1.6010 AND 1.6040. VAPOR BLASTED BUSHINGS (TYPE 208, 242, 243 AND 244) ARE NOT SERVICED SEPARATELY.													
6A	5108178	ROD ASSY., 4-53 (TURBO)	1								1	1	
6A	5121262	ROD ASSY., 3, 4-53		1			1	1					
6A	5133109	ROD ASSY., 6V53			1	1							1
6A	5140949	ROD ASSY., 6V53							1				
6A	5106977	ROD ASSY., 6V53								1			
6A	5197852	BOLT, 3/8"-24X2.76" L.	2	2	2	2	2	2	2	2	2	2	2
6A	839103	NUT, 3/8"-24	2	2	2	2	2	2	2	2	2	2	2
1.6010 - NOZZLE, CONNECTING ROD SPRAY													
6A	5150140	NOZZLE	1	1	1	1	1	1	1	1	1	1	1
1.6020 - ORIFICE, CONNECTING ROD													
	5198179	ORIFICE, 5/16"X7/16"	1	1	1	1	1	1	1	1	1	1	1
1.6040 - BUSHING, CONNECTING ROD PISTON PIN													
6A	5116181	BUSHING		2	2	2	2	2	2				2
1.6100 - SHELL, CONNECTING ROD BEARING													
A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER SHELL.													
	5149452	SHELL SET (STANDARD 3, 4-53) (TURBO)	AR	AR			AR	AR			AR	AR	
	5149453	SHELL SET (.002" U.S.)	AR	AR			AR	AR			AR	AR	
	5149454	SHELL SET (.010" U.S.)	AR	AR			AR	AR			AR	AR	
	5149455	SHELL SET (.020" U.S.)	AR	AR			AR	AR			AR	AR	
	5149456	SHELL SET (.030" U.S.)	AR	AR			AR	AR			AR	AR	
	5197975	SHELL SET (STANDARD)			AR	AR			AR	AR			AR
	5197976	SHELL SET (.002" U.S.)			AR	AR			AR	AR			AR
	5197977	SHELL SET (.010" U.S.)			AR	AR			AR	AR			AR
	5197978	SHELL SET (.020" U.S.)			AR	AR			AR	AR			AR
	5197979	SHELL SET (.030" U.S.)			AR	AR			AR	AR			AR
1.6110 - PISTON KIT													
A PISTON KIT INCLUDES BUSHING IN 1.6145 AND RETAINER IN 1.6150. VAPOR BLASTED BUSHINGS (TYPE 208, 242, 243 AND 244) ARE NOT SERVICED SEPARATELY.													
6A	8920718	+ PISTON KIT, 4-53 (TURBO, VAP BLAST)	1										
6A	5198877	PISTON KIT, 3, 4, 6V53 ("N" ENGINE)		1	1	1	1	1				1	
6A	5198572	PISTON KIT, 4, 6V53 (TURBO, VAP BLAST)							1				

1.6000 CONNECTING ROD AND PISTON

PART			TYPES										
FIG	NUMBER	NAME AND DESCRIPTION	2 0 8	2 3 6	2 3 8	2 3 9	2 4 0	2 4 1	2 4 2	2 4 3	2 4 4	2 4 5	2 4 9
1.6110 - PISTON KIT (CONT'D)													
6A	8920717	PISTON KIT, 4, 6V53 (TURBO, VAP BLAST) + NOT SERVICED. USE 5198572 PISTON KIT AND (1) 5140949 ROD ASSY.								1	1		
1.6115 - RING SET, PISTON													
A PISTON RING SET CONSISTS OF SUFFICIENT RINGS FOR ONE (1) CYLINDER.													
5149314	RING SET	AR											
5198902	RING SET	AR											AR
23501520	RING SET	AR											
1.6120 - RING, PISTON COMPRESSION													
6A	5103382	RING (FIRE RING)		1									
6A	8923328	RING (FIRE RING)	1		1			1					1
6A	5105327	# RING (FIRE RING) (PLASMA COATING)				1	1		1	1	1	1	
6A	5116184	RING (CHROMED) (2ND, 3RD AND 4TH)	3	1	3	3	3	3	3	3	3	3	1
	5127147	RING (CAST IRON) 3RD AND 4TH # NOT SERVICED, USE 5103382 FOR TURBO ENGINES OR 8923328 FOR NON-TURBO ENGINES.		2									2
1.6130 - RING, PISTON OIL CONTROL													
AN OIL CONTROL RING SET CONSISTS OF RINGS FOR ONE (1) CYLINDER. AN OIL CONTROL RING CONSISTS OF TWO (2) SCR APERS AND ONE (1) EXPANDER.													
5149313	RING SET	1						1				1	
5198092	RING SET				1	1							
5149378	RING SET								1	1			
5109970	RING SET (UPPER GROOVE)				1	1							
5195933	RING SET (LOWER OR UPPER GROOVE)		2	2	1	1	2	1				1	2
5149610	RING SET (LOWER GROOVE)								1	1			
1.6140 - PIN, PISTON													
6A	5106902	PIN (1.5030"-1.5025" DIA.)	1							1	1	1	
6A	5116189	PIN		1	1	1	1	1					1
6A	5104651	PIN, LUBE DRILLED							1				
1.6145 - BUSHING, PISTON PIN													
6A	5116181	BUSHING (1.6040)		2	2	2	2	2					2
1.6150 - RETAINER, PISTON PIN													
6A	5108175	RETAINER	2							2	2	2	
6A	5108131	RETAINER		2	2	2	2	2	2				2

1.6000 CONNECTING ROD AND PISTON

PART			TYPES										
FIG	NUMBER	NAME AND DESCRIPTION	208	236	238	239	240	241	242	243	244	245	249
1.6180 - LINER, CYLINDER													
6A	5132803	LINER (STANDARD)	1	1	1	1	1	1	1	1	1	1	1
6A	5101016	LINER (.010" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	5149944	+ LINER (.020" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		+ USE WITH 5149945 SEAL.											
1.6182 - CYLINDER KIT													
		A CYLINDER KIT CONSISTS OF ITEMS IN 1.6110, 1.6120, 1.6140, 1.6150, 1.6180 AND 1.6190 FOR ONE (1) CYLINDER.											
	5149735	@ CYLINDER KIT (TURBO)	AR										
	5198904	CYLINDER KIT (21:1 COMP)		AR									AR
	5198899	CYLINDER KIT (21:1 COMP, "N" ENGINE)			AR			AR					
		@ NOT SERVICED. USE 5149315 KIT AND (1) 5140949 ROD ASSY.											
1.6190 - SEAL, CYLINDER LINER													
6A	5121256	SEAL	2	2	2	2	2	2	2	2	2	2	2
6A	5149945	SEAL, .020" O.S., O.D.	2	2	2	2	2	2	2	2	2	2	2

1.6000 CONNECTING ROD AND PISTON

			TYPES																	
FIG	PART NUMBER	NAME AND DESCRIPTION	2 6 8	2 6 9	2 7 0	2 8 8	3 6 1													
		1.6001 - CONNECTING ROD ASSY.																		
		QUANTITIES SHOWN ARE PER CYLINDER. A CROSSHEAD ROD ASSY. INCLUDES ITEMS IN 1.6001. A TRUNK PISTON ROD ASSY. INCLUDES CAP AND ORIFICE WHICH ARE NOT SOLD SEPARATELY, PLUS ITEMS IN 1.6001, 1.6010 AND 1.6040.																		
6B	8924004	ROD ASSY. (CROSSHEAD) 3, 4-53	1																	
6B	8924003	ROD ASSY. (CROSSHEAD) 6V53		1	1	1														
6A	5121262	ROD ASSY. (TRUNK) 4-53					1													
6A,B	5197852	BOLT, 3/8"-24X2.76"	2	2	2	2	2													
6A,B	839103	NUT, 3/8"-24	2	2	2	2	2													
		1.6010 - NOZZLE, CONNECTING ROD SPRAY																		
6A	5150140	NOZZLE					1													
		1.6020 - ORIFICE, CONNECTING ROD																		
	5198179	ORIFICE, 5/16"X7/16"					1													
		1.6040 - BUSHING, CONNECTING ROD BEARING																		
6A	5116181	BUSHING					2													
		1.6100 - SHELL, CONNECTING ROD BEARING																		
		A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER SHELL.																		
	5149452	SHELL SET (STANDARD)	AR				AR													
	5149453	SHELL SET (.002" U.S.)	AR				AR													
	5149454	SHELL SET (.010" U.S.)	AR				AR													
	5149455	SHELL SET (.020" U.S.)	AR				AR													
	5149456	SHELL SET (.030" U.S.)	AR				AR													
	5197975	SHELL SET (STANDARD)		AR	AR	AR														
	5197976	SHELL SET (.002" U.S.)		AR	AR	AR														
	5197977	SHELL SET (.010" U.S.)		AR	AR	AR														
	5197978	SHELL SET (.020" U.S.)		AR	AR	AR														
	5197979	SHELL SET (.030" U.S.)		AR	AR	AR														
		1.6106 - RING, CROSSHEAD PISTON SEAL																		
6B	8924733	RING, SEAL	1	1	1	1														
		1.6110 - PISTON KIT																		
		A DOME KIT CONSISTS OF ITEMS IN 1.6106, 1.6110, 1.6140, 1.6142 AND 1.6150. A PISTON KIT INCLUDES BUSHING IN 1.6145 AND RETAINER IN 1.6150.																		
6A	8927225	DOMEST KIT	1	1	1	1														
6B	5198877	PISTON KIT, 4-53					1													
6B	8924000	DOMEST PISTON	1	1	1	1														
6B	8924002	SKIRT PISTON	1	1	1	1														

1.6000 CONNECTING ROD AND PISTON

PART			TYPES														
FIG	NUMBER	NAME AND DESCRIPTION	2 6 8	2 6 9	2 7 0	2 8 8	3 6 1										
	1.6115	- RING SET, PISTON															
		CONSISTS OF SUFFICIENT RINGS FOR (1) PISTON.															
	8927223	RING SET	AR	AR	AR												
	NPN	RING SET (CROSSHEAD PISTON)				AR											
	23501520	RING SET (NON-TURBO)					AR										
	1.6120	- RING, PISTON COMPRESSION															
6B	8925780	RING, FIRE (1 BLUE MARK)	1	1	1	1											
6A	8923328	RING, FIRE					1										
6A,B	8925779	RING (MOLY)	2	2	2	2	3										
	1.6130	- RING, PISTON OIL CONTROL															
		AN OIL CONTROL RING SET CONSISTS OF SCRAPERS AND EXPANDERS FOR ONE (1) CYLINDER.															
6B	8927224	RING SET	1	1	1												
6B	NPN	RING SET (CROSSHEAD PISTON)				1											
	NPN	RING SET (TRUNK PISTON)					1										
	1.6140	- PIN, PISTON															
6B	8924735	PIN, CROSSHEAD PISTON	1	1	1	1											
6A	5116189	PIN, TRUNK PISTON					1										
6B	8924732	SPACER	2	2	2	2											
6B	8924734	BOLT, 3/8"-24X1.88" 12 PT. HD.	2	2	2	2											
	1.6142	- BEARING, PISTON PIN															
6B	8924736	BEARING	1	1	1	1											
	1.6150	- RETAINER, PISTON PIN															
6B	8924731	RETAINER, CROSSHEAD PISTON	2	2	2	2											
6A	5108131	RETAINER, TRUNK PISTON					2										
	1.6180	- LINER, CYLINDER															
6B	8926088	LINER, .74" PORT (STANDARD)	1	1													
6B	8926089	LINER, .74" PORT (.010" O.S. O.D.)	AR	AR													
6B	8926090	+ LINER, .74" PORT (.020" O.S. O.D.)	AR	AR													
6A,B	5132803	LINER, .84" PORT (STANDARD)			1	1	1										
6B	5101016	LINER, .84" PORT (.010" O.S. O.D.)			AR	AR	AR										
6B	5149944	+ LINER, .84" PORT (.020" O.S. O.D.)			AR	AR	AR										
		+ USE WITH 5149945 SEAL.															
	1.6182	- CYLINDER KIT															
		A CYLINDER KIT INCLUDES STANDARD SIZE ITEMS IN 1.6106, 1.6110, 1.6120, 1.6130, 1.6140, 1.6142, 1.6150 AND 1.6180.															

1.6000 CONNECTING ROD AND PISTON

TYPES

FIG	PART NUMBER	NAME AND DESCRIPTION	2 6 8	2 6 9	2 7 0	2 8 8	3 6 1													
		1.6182 - CYLINDER KIT (CONT'D)																		
	8927222	CYLINDER KIT, CROSSHEAD PISTON (INDUSTRIAL)	AR																	
	8927615	CYLINDER KIT, CROSSHEAD PISTON (MILITARY)		AR	AR															
	NPN	CYLINDER KIT, CROSSHEAD PISTON				AR														
	NPN	CYLINDER KIT, TRUNK PISTON					AR													
		1.6190 - SEAL, CYLINDER LINER																		
6A	5121256	SEAL	2	2	2	2	2													
6A	5149945	SEAL, .020" O.S., O.D.	2	2	2	2	2													

1.7000 CAMSHAFT AND GEAR TRAIN

PART ..FIG .. NUMBER .. NAME AND DESCRIPTION ..			TYPES											
			3 0	3 1	3 2	3 3	3 4	3 5	3 7	4 9	5 0	5 1	5 3	5 5
1.7001 - CAMSHAFT ASSY.														
A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001.														
7A	5121028	CAMSHAFT ASSY. 2-53 ALL R.H. AND L.H. ENGS.	1						1	1				
7A	5126929	% CAMSHAFT ASSY. 3-53 RB-RC-LA-LD ENG.		1							1			
7A	5126930	@ CAMSHAFT ASSY. 3-53 RA-RD-LB-LC ENG. (5149093)			1								1	
7A	5126931	# CAMSHAFT ASSY. 4-53 LA-LB-LC-LD ENG. (5149097)				1								
7A	5126932	% CAMSHAFT ASSY. 4-53 RA-RB-RC-RD ENG.					1					1		1
7B	5199397	* CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7L)						1						
7B	5199396	* CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7L)						1						
	5151277	PLUG, 1/2" DRIVE	2	2	2	2	2	4	2	2	2	2	2	2
* USE WITH 5147424 SPRING IN 1.8340.														
# NOT SERVICED. USE NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY REPLACE 5144019 VALVE SPRING WITH 5147424 VALVE SPRING ON 4 VALVE ENGINES.														
@ NOT SERVICED. USE NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY RETAIN VALVE SPRING 5116140 ON 2 VALVE ENGINES AND REPLACE 5144019 VALVE SPRING WITH 5147424 VALVE SPRING ON 4 VALVE ENGINES.														
% MUST BE USED WITH 5144019 VALVE SPRING ON 4 VALVE ENGINES AND 5116140 VALVE SPRING ON 2 VALVE ENGINES.														
1.7010 - BEARING, CAMSHAFT END														
A SET INCLUDES ALL END AND INTERMEDIATE BEARINGS WHICH ARE NOT SOLD SEPARATELY.														
7A	5198431	BEARING SET (STD., 2-53)	1						1	1				
7A	5198982	BEARING SET (STD. I.D., .010" O.S., O.D.)	AR						AR	AR				
7A	5198468	BEARING SET (.010" U.S., I.D., STD. O.D.)	AR						AR	AR				
7A	5198469	BEARING SET (.020" U.S., I.D., STD. O.D.)	AR						AR	AR				
7A	5198209	BEARING SET (STD. 3-53)		1	1						1		1	
7A	5198980	BEARING SET (STD. I.D., .010" O.S., O.D.)		AR	AR						AR		AR	
7A	5198470	BEARING SET (.010" U.S., I.D., STD. O.D.)		AR	AR						AR		AR	
7A	5198471	BEARING SET (.020" U.S., I.D., STD. O.D.)		AR	AR						AR		AR	
7A	5198984	BEARING SET (STD. 4-53)				1	1					1		1
7A	5198979	BEARING SET (STD. I.D., .010" O.S., O.D.)				AR	AR					AR		AR
7A	5198978	BEARING SET (.010" U.S., I.D., STD. O.D.)				AR	AR					AR		AR
7A	5198981	BEARING SET (.020" U.S., I.D., STD. O.D.)				AR	AR					AR		AR
7B	5197944	BEARING SET (STD. 6V53)						1						

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	3 0	3 1	3 2	3 3	3 4	3 5	3 7	4 9	5 0	5 1	5 3	5 5
		1.7010 - BEARING, CAMSHAFT END (CONT'D)												
7B	5198983	BEARING SET (STD. I.D., .010" O.S., O.D.)						AR						
7B	5197945	BEARING SET (.010" U.S. I.D., STD., O.D.)						AR						
7B	5197946	BEARING SET (.020" U.S. I.D., STD., O.D.)						AR						
		1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST												
7A,B	5116198	WASHER	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	9409028	BOLT, 3/8"-16X1" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
		1.7060 - SEAL, CAMSHAFT OIL												
7A,B	5106223	SEAL, OIL (FRONT 2, 3, 4, 6V-53)	2	2	2	2	2	2	2	2	2	2	2	2
		1.7061 - SLINGER, CAMSHAFT OIL												
7A,B	5134388	+ SLINGER + THRU 2D-23442, 3D-44069, 4D-48900, 6D-41029.	2	2	2	2	2	2	2	2	2	2	2	2
		1.7062 - SPACER, CAMSHAFT OIL SEAL												
7A,B	5121071	+ SPACER, .440" THK.	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	5106360	‡ SPACER, .465" THK. + THRU 2D-23442, 3D-44069, 4D-48900, 6D-41029. ‡ EFF. WITH 2D-23443, 3D-44070, 4D-48901, 6D-41030.	2	2	2	2	2	2	2	2	2	2	2	2
		1.7080 - SHAFT, BALANCE												
7A	5121072	SHAFT, 2-53	1						1	1				
7A	5121073	SHAFT, 3-53		1	1						1		1	
7A	5121074	SHAFT, 4-53				1	1					1		1
		1.7130 - PULLEY, FRONT BALANCE												
7A	5121107	* PULLEY, 2-53	2							1				
7A	8925944	PULLEY, 3-53		2	2						2		2	
7A	8925946	PULLEY, 4-53				2	2					2		
7B	8925945	PULLEY, 6V-53						2						
7A	8925946	PULLEY, 4-53 (ON BALANCE SHAFT)						2						
7A,B	8926248	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	2	2	2	2		1	2	2	2	1
7A,B	5150087	NUT, 1 1/8"-18 SPL. (1.7140) * NOT SERVICED. USE 8925945 PULLEY AND ONE (1) EACH OF 5127077 WASHER, 5187641 WASHER, 103321 LOCKWASHER, 1 86622 BOLT AND SHEET 1 OF SD-163. CAUTION: MODIFICATION FROM SHEET ONE (1) OF SD-163 COULD CREATE A CLEARANCE PROBLEM ON SOME APPLICATIONS.	2	2	2	2	2	2		1	2	2	2	1

1.7000 CAMSHAFT AND GEAR TRAIN

PART		NAME AND DESCRIPTION	TYPES											
FIG	NUMBER		30	31	32	33	34	35	37	49	50	51	53	55
1.7140 - WEIGHT, FRONT BALANCE														
10C	5121107	# WEIGHT, 2-53							2	1				
	5109504	WEIGHT, 4-53 (ON CAMSHAFT)												1
7A	8926248	KEY, 3/16"X5/8" SPECIAL (12.9350)							2	1				1
7A	5150087	NUT, 1 1/8"-18							2	1				1
# NOT SERVICED. USE 8925945 PULLEY AND ONE (1) EACH OF 5127077 WASHER, 5187641 WASHER, 103321 LOCKWASHER, 1 86622 BOLT AND SHEET 1 OF SD-163. CAUTION: MODIFICATION FROM SHEET ONE (1) OF SD-163 COULD CREATE A CLEARANCE PROBLEM ON SOME APPLICATIONS.														
1.7190 - WEIGHT, REAR BALANCE														
7C	5119277	WEIGHT (CRESCENT SHAPE, 2 HOLES)		2	2	2	2							
7C	5119278	* WEIGHT (INNER) (.2242" THICK, 5 HOLES)				2	2							
7C	5109874	* WEIGHT (.1345" THICK, 3 HOLES)								2	2	2	2	2
7C	5126197	@ WEIGHT (.1196" THICK, 3 HOLES)								2	2	2	2	2
7C	5126198	@ WEIGHT (OUTER) (.2391" THICK, 3 HOLES)									2		2	
7C	8927580	BOLT, 3/8"-16X1.015" (USED AS REAR WEIGHTS) (12.9001)	4					4	4					
7C	9409028	# BOLT, 3/8"-16X1" (12.9001)		4	4									
7C	9409215	BOLT, 3/8"-16X1 1/4" (12.9001)				4	4							
7C	9409034	BOLT, 3/8"-24X7/8" (12.9001)								4		4		
7C	9409035	BOLT, 3/8"-24X1" (12.9001)									4		4	
* EFFECTIVE WITH 3D-5209, 4D-6878 IN TYPES 50, 51, 53 AND 55. MUST BE REPLACED AS SET ON 4 CYLINDER UNITS THRU 4D-6877 IN THESE TYPES.														
@ THRU 3D-5208, 4D-6877 NOT SERVICED. FOR REPLACEMENT USE 5109874 AND 5119278.														
# THRU 8D-127.														
1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT														
7A,C	5133387	* GEAR (CAMSHAFT LB-LC- RA-RD, BALANCE LA-LD-RB-RC ENG.) (R.H. HELIX; 97 TEETH) (5107072)	1	1	1	1	1		1	1	1	1	1	1
7A,C	5133388	* GEAR (L.H. HELIX) (CAMSHAFT LA-LD-RB-RC, BALANCE LB-LC-RA-RD ENG.) (L.H. HELIX; 97 TEETH) (5107073)	1	1	1	1	1		1	1	1	1	1	1
7B	5133387	* GEAR, 6V-53 (R. BANK CAMSHAFT R.H. ENG. L. BANK CAMSHAFT L.H. ENG.) (R.H. HELIX; 97 TEETH) (5107072)						1						
7B	5133388	* GEAR, 6V-53 (L. BANK CAMSHAFT R.H. ENG. R. BANK CAMSHAFT L.H. ENG.) (L.H. HELIX; 97 TEETH) (5107073)						1						
7A,B	8926248	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	5150087	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2	2

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	3 0	3 1	3 2	3 3	3 4	3 5	3 7	4 9	5 0	5 1	5 3	5 5
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT (CONT'D)												
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 51 07075, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 510 7076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V53), 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-5 3) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).												
		1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR												
7A,B	5121077	SPACER	2	1	1	1	1	2	1	1	1	1	1	1
		1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT												
7A,B	5172734	= RETAINER	2	2	2	2	2	2	2	2				
7A,B	181360	= BOLT, 3/8"-24X3/4"(12.9001)	4	4	4	4	4	4	4	4				
7A,B	103321	= LOCKWASHER, 3/8"(12.9200)	4	4	4	4	4	4	4	4				
		= NOT REQUIRED IN TYPES 37 AND 49; EFFECTIVE WITH 2D-5554.												
		1.7220 - GEAR ASSY., IDLER												
		A GEAR ASSY. INCLUDES BEARING IN 1.7225.												
7C,D	5135227	* GEAR ASSY., 2, 3, 4, 6V-53 (L.H. HELIX; 72 TEETH)	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED. USE 5107075 AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 5107072 RH HELIX, 510 7073 LH HELIX, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 5107076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V-53) , 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-53) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).												

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	30	31	32	33	34	35	37	49	50	51	53	55
1.7225 - BEARING, IDLER GEAR														
7F	5196793	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
7F	5132504	WASHER (THRUST)	2	2	2	2	2	2	2	2	2	2	2	2
1.7250 - HUB, IDLER GEAR														
7F	5124458	HUB	1	1	1	1	1	1	1	1	1	1	1	1
7F	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	1	1	1	1	1	1	1	1
1.7260 - SPACER, IDLER GEAR HOLE														
7C	5116220	* SPACER	1	1	1	1	1	1	1	1	1	1	1	1
7C	5157244	* BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	1	1	1	1	1	1	1	1
		* THRU 2D-464 FOR TYPE 37, NOT REQUIRED WITH FLYWHEEL HOUSING HAVING INTEGRAL IDLER GEAR HOLE SPACER.												

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	5 7	5 8	6 0	6 2	6 4	6 6	7 4	7 5	7 7	7 8	8 5	9 6
1.7001 - CAMSHAFT ASSY.														
A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001.														
7A	5121028	CAMSHAFT ASSY. 2-53 ALL L.H. AND R.H. ENGS.		1										
7A	5126929	% CAMSHAFT ASSY. 3-53 RB-RC-LA-LD ENG.	1											1
7A	5126930	# CAMSHAFT ASSY. 3-53 RA-RD-LB-LC ENG. (5149093)							1					
7A	5126932	% CAMSHAFT ASSY. 4-53 RA-RB-RC-RD ENG.									1	1	1	
7B	5126934	= CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7)			1									
7B	5126933	= CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7)			1									
7B	5132505	CAMSHAFT ASSY. 8V-53 R.H. ENG.				2								
7B	5199397	* CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG., L. BANK L.H. ENG. (STAMPED V7L)					1	1		1				
7B	5199396	* CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG. R. BANK L.H. ENG. (STAMPED V7L)					1	1		1				
	5151277	PLUG, 1/2" DRIVE = USE WITH 5144019 SPRING IN 1.8340. * USE WITH 5147424 SPRING IN 1.8340. # NOT SERVICED. USE NUMBER IN PARENTHESES, AND TO INSURE INTERCHANGEABILITY RETAIN VALVE SPRING 5116140 ON 2 VALVE ENGINES AND REPLACE 5144019 VALVE SPRING WITH 5147424 VALVE SPRING ON 4 VALVE ENGINES. % MUST BE USED WITH 5144019 VALVE SPRING ON 4 VALVE ENGINES AND 5116140 VALVE SPRING ON 2 VALVE ENGINES.	2	2	4	4	4	4	2	4	2	2	2	2
1.7010 - BEARING, CAMSHAFT END														
A SET INCLUDES ALL END AND INTERMEDIATE BEARINGS WHICH ARE NOT SOLD SEPARATELY.														
7A	5198431	BEARING SET (STD. 2-53)		1										
7A	5198982	BEARING SET (STD. I.D., .010" O.S., O.D.)		AR										
7A	5198468	BEARING SET (.010" U.S., I.D., STD. O.D.)		AR										
7A	5198469	BEARING SET (.020" U.S., I.D., STD. O.D.)		AR										
7A	5198209	BEARING SET (STD. 3-53)	1						1					1
7A	5198980	BEARING SET (STD. I.D., .010" O.S., O.D.)	AR						AR					AR
7A	5198470	BEARING SET (.010" U.S., I.D., STD. O.D.)	AR						AR					AR
7A	5198471	BEARING SET (.020" U.S., I.D., STD. O.D.)	AR						AR					AR
7A	5198984	BEARING SET (STD. 4-53)									1	1	1	
7A	5198979	BEARING SET (STD. I.D., .010" O.S., O.D.)									AR	AR	AR	
7A	5198978	BEARING SET (.010" U.S., I.D., STD. O.D.)									AR	AR	AR	
7A	5198981	BEARING SET (.020" U.S., I.D., STD. O.D.)									AR	AR	AR	
7B	5197944	BEARING SET (STD. 6V53)			1		1	1		1				

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	57	58	60	62	64	66	74	75	77	78	85	96
		1.7010 - BEARING, CAMSHAFT END (CONT'D)												
7B	5198983	BEARING SET (STD. I.D., .010" O.S., O.D.)												
7B	5197945	BEARING SET (.010" U.S. I.D., STD., O.D.)			AR		AR	AR		AR				
7B	5197946	BEARING SET (.020" U.S. I.D., STD., O.D.)			AR		AR	AR		AR				
7B	5197930	BEARING SET (STD. 8V53)				1								
7B	5197931	BEARING SET (.010" U.S. I.D., STD. O.D.)				AR								
7B	5197932	BEARING SET (.020" U.S. I.D., STD. O.D.)				AR								
7B	5199006	BEARING SET (STD. I.D., .010" O.S., O.D.)				AR								
		1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST												
7A,B	5135812	WASHER												2
7A,B	5116198	WASHER	2	2	2	2	2	2	2	2	2	2	2	
7A,B	9409028	BOLT, 3/8"-16X1"(12.9001)	4	4	1	4	4	4	4	4	4	4	4	6
7A,B	9409215	BOLT, 3/8"-16X1 1/4"(12.9001)			3									
		1.7060 - SEAL, CAMSHAFT OIL												
7A,B	5106223	SEAL, OIL (FRONT 2, 3, 6V-53)	2	2	2		2	2	2	2	2	2	2	2
7B	5134336	SEAL, OIL (FRONT 8V-53)				2								
		1.7061 - SLINGER, CAMSHAFT OIL												
7A,B	5134388	+ SLINGER + THRU 2D-23442, 3D-44069, 4D-48900, 6D-41029.	2	2	2	2	2	2	2	2	2	2	2	2
		1.7062 - SPACER, CAMSHAFT OIL SEAL												
7A,B	5121071	+ SPACER, .440" THK.	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	5106360	* SPACER, .465" THK. + THRU 2D-23442, 3D-44069, 4D-48900, 6D-41029. * EFF. WITH 2D-23443, 3D-44070, 4D-48901, 6D-41030.	2	2	2	2	2	2	2	2	2	2	2	2
		1.7080 - SHAFT, BALANCE												
7A	5121072	SHAFT, 2-53		1										
7A	5121073	SHAFT, 3-53	1						1					1
7A	5121074	SHAFT, 4-53									1	1	1	
		1.7130 - PULLEY, FRONT BALANCE												
7A	5121107	* PULLEY, 2-53		2										
7A	8925946	PULLEY, 4-53									1	1	2	
7A	8925944	PULLEY, 3-53 (ON BALANCE SHAFT)	1						2					1
7B	5133305	PULLEY				2								
7B	8925945	PULLEY, 6V-53 (R. BANK)			2		1	1						
7B	5134241	PULLEY, 6V-53 (L. BANK)					1	1		1				
	5136420	PULLEY, 6V-53 (L. BANK)								1				
	5139572	PULLEY, 4-53									1			
7A,B	8926248	KEY, 3/16"X5/8" SPECIAL (12.9350)	1	2	2	2	2	2	2	2	2	2	2	1
7A,B	5150087	NUT, 1 1/8"-18 (1.7140)	1	2	2	2	2	2	2	2	2	2	2	1

1.7000 CAMSHAFT AND GEAR TRAIN

PART		TYPES											
..FIG	NUMBER	NAME AND DESCRIPTION	57	58	60	64	66	74	75	77	78	85	96
		1.7130 - PULLEY, FRONT BALANCE (CONT'D)											
		* NOT SERVICED. USE 8925945 PULLEY AND ONE (1) EACH OF 5127077 WASHER, 5187641 WASHER, 103321 LOCKWASHER, 1 86622 BOLT AND SHEET 1 OF SD-163. CAUTION: MODIFICATION OF SD-163 COULD CREATE A CLEARANCE PROBLEM ON SOME APPLICATIONS.											
		1.7140 - WEIGHT, FRONT BALANCE											
	5109504	WEIGHT, 4-53 (ON CAMSHAFT)									1		
	8925947	WEIGHT, 3-53 (ON CAMSHAFT)	1										1
7A	8926248	KEY, 3/16"X5/8" SPECIAL (12.9350)	1										1
7A	5150087	NUT, 1 1/8"-18	1										1
		1.7190 - WEIGHT, REAR BALANCE											
7C	5119277	WEIGHT (CRESCENT SHAPE, 2 HOLES)										2	
7C	5119278	* WEIGHT (INNER) (.2242" THICK, 5 HOLES)								2	2	2	
7C	5109874	* WEIGHT (.1345" THICK, 3 HOLES)	2							2	2		2
7C	5126198	@ WEIGHT (OUTER) (.2391" THICK, 3 HOLES)								2			
7C	5132491	+ # WEIGHT				2							
7C	8927580	BOLT, 3/8"-16X1.015" (USED AS REAR WEIGHTS) (12.9001)			4								
7C	9409028	# BOLT, 3/8"-16X1" (12.9001)				2							
7C	9409215	BOLT, 3/8"-16X1 1/4" (12.9001)										4	
7C	9409034	BOLT, 3/8"-24X7/8" (12.9001)	4										4
7C	9409035	BOLT, 3/8"-24X1" (12.9001)								4	4		
		* EFFECTIVE WITH 3D-5209, 4D-6878 IN TYPES 50, 51, 53 AND 55. MUST BE REPLACED AS SET ON 4 CYLINDER UNITS THRU 4D-6877 IN THESE TYPES.											
		@ THRU 3D-5208, 4D-6877 NOT SERVICED. FOR REPLACEMENT USE 5109874 AND 5119278.											
		+ NOT SERVICED; REPLACE WITH 5135324 GEAR (R.H. HELIX) OR 5135325 GEAR (L.H. HELIX).											
		# THRU 8D-127.											
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT											
7A,C	5133387	* GEAR (CAMSHAFT LB-LC- RA-RD, BALANCER LA-LD-RB-RC ENG.) (R.H. HELIX; 97 TEETH) (5107072)	1	1				1	1	1	1	1	1
7A,C	5133388	* GEAR (CAMSHAFT LA-LD- RB-RC, BALANCER LB-LC-RA-RD ENG.) (L.H. HELIX; 97 TEETH) (5107073)	1	1				1		1	1	1	1
7B	5133387	* GEAR, 6V-53 (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.) (R.H. HELIX; 97 TEETH) (5107072)			1	1	1	1	1				
7B	5133388	* GEAR, 6V-53 L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG. (L.H. HELIX; 97 TEETH) (5107073)			1	1	1		1				

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES											
..FIG ..	NUMBER	NAME AND DESCRIPTION	5 7	5 8	6 0	6 2	6 4	6 6	7 4	7 5	7 7	7 8	8 5	9 6
1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT (CONT'D)														
7C	5135325	GEAR, 8V-53 L. BANK, R.H. ENG. (L.H. HELIX; 97 TEETH)				1								
7C	5135324	GEAR, 8V-53 R. BANK, R.H. ENG. (R.H. HELIX; 97 TEETH)				1								
7A,B	8926248	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	5150087	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2	2
* NOT SERVICED. USE PART NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 51 07075, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 510 7076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V53), 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-5 3) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).														
1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR														
7A,B	5121077	SPACER	1	1	2	2	2	2	2	2	1	1	1	1
1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT														
7A,B	5172734	= RETAINER		2	2	2	2	2	2	2			2	
7A,B	181360	= BOLT, 3/8"-24X3/4"(12.9001)		4	4	4	4	4	4	4				
7A	181361	BOLT, 3/8"-24X7/8"(12.9001)											4	
7A,B	103321	= LOCKWASHER, 3/8"(12.9200)		4	4	4	4	4	4	4			4	
= NOT REQUIRED IN TYPES 37 AND 49; EFFECTIVE WITH 2D-5554.														
1.7220 - GEAR ASSY., IDLER														
A GEAR ASSY. INCLUDES BEARING IN 1.7225. AN 8V-53 GEAR ASSY. INCLUDES ITEMS IN 1.7222, 1.7225, 1.7227 AND 1.7250.														
7C,D	5135227	* GEAR ASSY., 2, 3, 4, 6V-53 (L.H. HELIX; 72 TEETH)	1	1	1		1	1	1	1	1	1	1	1
7E	5146899	GEAR ASSY., 8V-53 (L.H. HELIX; 72 TEETH)				1								

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES											
..FIG	NUMBER	NAME AND DESCRIPTION	5 7	5 8	6 0	6 2	6 4	6 6	7 4	7 5	7 7	7 8	8 5	9 6
	1.7220	GEAR ASSY., IDLER (CONT'D)												
		* NOT SERVICED. USE 5107075 AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 5107072 RH HELIX, 510 7073 LH HELIX, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 5107076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V-53), 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-53) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).												
	1.7222	GEAR, IDLER												
7G	5132620	GEAR (L.H. HELIX; 72 TEETH)				1								
	1.7225	BEARING, IDLER GEAR												
7F	5196793	BEARING	1	1	1		1	1	1	1	1	1	1	1
7G	9433162	BEARING ASSY.				1								
7F	5132504	WASHER (THRUST)	2	2	2		2	2	2	2	2	2	2	2
	1.7227	RETAINER, IDLER GEAR BEARING												
7G	5132621	RETAINER				1								
7G	5132708	BOLT, 1/4"-28X1/2" NYLON				6								
	1.7250	HUB, IDLER GEAR												
7F	5124458	HUB, 2, 3, 4, 6V-53	1	1	1		1	1	1	1	1	1	1	1
7G	5132622	HUB, 8V-53				1								
7F	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	1	1	1	1	1	1	1	1
	1.7260	SPACER, IDLER GEAR HOLE												
7C	5116220	* SPACER	1	1	1	1	1	1	1	1	1	1	1	1
7C	5157244	* BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	1	1	1	1	1	1	1	1
		* THRU 2D-464 FOR TYPE 37, NOT REQUIRED WITH FLYWHEEL HOUSING HAVING INTEGRAL IDLER GEAR HOLE SPACER.												

1.7000 CAMSHAFT AND GEAR TRAIN

PART		NAME AND DESCRIPTION	TYPES															
FIG	NUMBER		1 0 6	1 0 9	1 3 7	1 3 8	1 3 9	1 4 0	1 4 1	1 5 0	1 5 1	1 5 2	1 5 3	1 8 2	1 8 9	1 9 1		
1.7001 - CAMSHAFT ASSY.																		
● FOR TYPE 188 USE TYPE 191*. A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001.																		
7A	5149093	CAMSHAFT ASSY. 3-53 RA-RD-LB-LC ENG. (STAMPED V7L)							1		1							
7A	5149091	CAMSHAFT ASSY. 3-53 RB-RC-LA-LD ENG. (STAMPED V7L)								1					1			
7A	5149095	* CAMSHAFT ASSY. 4-53 RA-RB-RC-RD ENG. (STAMPED V7L)			1	1	1	1	1		1		1					
7B	5199397	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7L)		1									1	1				
7B	5199396	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7L)														1		
7B	5132505	CAMSHAFT ASSY., 8V53 (R.H. ENG.)	2	1												1		
	5151277	PLUG, 1/2" DRIVE * MUST BE USED WITH 5147424 VALVE SPRING ON 4 VALVE ENGINES AND 5116140 VALVE SPRING ON 2 VALVE ENGINES.	4	4	2	2	2	2	2	2	2	2	2	2	2	4		
1.7010 - BEARING, CAMSHAFT END																		
A SET INCLUDES ALL END AND INTERMEDIATE BEARINGS WHICH ARE NOT SOLD SEPARATELY.																		
7A	5198209	BEARING SET (STD. 3-53)								1	1	1			1			
7A	5198980	BEARING SET (STD. I.D., .010" O.S., O.D.)								AR	AR	AR			AR			
7A	5198470	BEARING SET (.010" U.S. I.D., STD., O.D.)								AR	AR	AR			AR			
7A	5198471	BEARING SET (.020" U.S. I.D. STD. O.D.)								AR	AR	AR			AR			
7A	5198984	BEARING SET (STD. 4-53)			1	1	1	1	1				1	1				
7A	5198979	BEARING SET (STD. I.D., .010" O.S., O.D.)			AR	AR	AR	AR	AR				AR	AR				
7A	5198978	BEARING SET (.010" U.S. I.D. STD. O.D.)			AR	AR	AR	AR	AR				AR	AR				
7A	5198981	BEARING SET (.020" U.S. I.D. STD. O.D.)			AR	AR	AR	AR	AR				AR	AR				
7B	5197944	BEARING SET (STD. 6V-53)		1												1		
7B	5198983	BEARING SET (STD. I.D., .010" O.S., O.D.)		AR												AR		
7B	5197945	BEARING SET (.010" U.S. I.D., STD. O.D.)		AR												AR		
7B	5197946	BEARING SET (.020" U.S. I.D., STD. O.D.)		AR												AR		
7B	5197930	BEARING SET (STD. 8V-53)	1															
7B	5197931	BEARING SET (.010" U.S. I.D. STD. O.D.)	AR															
7B	5197932	BEARING SET (.020" U.S. I.D. STD. O.D.)	AR															
7B	5199006	BEARING SET (STD I.D., .010" O.S., O.D.)	AR															
1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST																		
7A,B	5116198	WASHER	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
7A,B	9409028	BOLT, 3/8"-16X1"(12.9001)	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
1.7060 - SEAL, CAMSHAFT OIL																		
7A,B	5106223	SEAL, OIL (FRONT 3, 4, 6V-53)		2	2	2	2	2	2	2	2	2	2	2	2	2		
7B	5134336	SEAL, OIL (FRONT 8V-53)	2															

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES													
..FIG ..	NUMBER	NAME AND DESCRIPTION	1 0 6	1 0 9	1 3 7	1 3 8	1 3 9	1 4 0	1 4 1	1 5 0	1 5 1	1 5 2	1 5 3	1 8 2	1 8 9	1 9 1
1.7061 - SLINGER, CAMSHAFT OIL																
7A,B	5134388	+ SLINGER + THRU 2D-23442, 3D-44069, 4D-48900, 6D-41029.	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1.7062 - SPACER, CAMSHAFT OIL SEAL																
7A,B	5121071	+ SPACER, .440" THK.	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	5106360	+ SPACER, .465" THK. + THRU 2D-23442, 3D-44069, 4D-48900, 6D-41029. + EFF. WITH 2D-23443, 3D-44070, 4D-48901, 6D-41030.	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1.7080 - SHAFT, BALANCE																
7A	5121074	SHAFT, 4-53			1	1	1	1	1				1	1		
7A	5121073	SHAFT, 3-53								1	1	1			1	
1.7130 - PULLEY, FRONT BALANCE																
7B	5133305	PULLEY, 8V-53	2													
7A	8925946	PULLEY, 4-53			2	2	1	1	2				2	1		
7A	5139572	PULLEY, 4-53						1								
7A	8925944	PULLEY, 3-53								2	1	2			2	
7A	5104254	PULLEY, 4-53												1		
7B	8925945	PULLEY, 6V-53		2												2
7A,B	8926248	KEY, 3/16"x5/8" WOODRUFF (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2	2	4
7A,B	5150087	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2	2	2	4
1.7140 - WEIGHT, FRONT BALANCE																
	5109504	WEIGHT, 4-53 (ON CAMSHAFT)					1									
	8925947	WEIGHT, 3-53 (ON CAMSHAFT)									1					
1.7190 - WEIGHT, REAR BALANCE																
7C	5119277	WEIGHT (OUTER) .2391" THICK, 2 HOLES				2			2	2		1	2		1	
7C	5119278	WEIGHT (INNER) .2242" THICK, 5 HOLES	2		2	2	2	2				2	2		1	
7C	5109874	WEIGHT (.1345" THICK, 3 HOLES)			4		4	4			2	1		2		
7C	9409028	BOLT, 3/8"-16X1" (12.9001)								4	2				2	4
7C	9409131	BOLT, 3/8"-24X3/4" (12.9001)								4	2					
7C	9409035	BOLT, 3/8"-24X1" (12.9001)			4		4	4						4		
7C	9409215	BOLT, 3/8"-24X1 1/4" (12.9001)				4			4				4			
1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT																
7C	5135324	GEAR (R. BANK R.H. ENG.) (R.H. HELIX; 97 TEETH)	1													
7C	5135325	GEAR (L. BANK R.H. ENG.) (L.H. HELIX; 97 TEETH)	1													
	5133387	* GEAR (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.) (R.H. HELIX; 97 TEETH) (5107072)		1	1	1	1	1	1	1	1	2	1	1	1	1

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	1 0 6	1 0 9	1 3 7	1 3 8	1 3 9	1 4 0	1 4 1	1 5 0	1 5 1	1 5 2	1 5 3	1 8 2	1 8 9	1 9 1
1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT (CONT'D)																
	5133388	* GEAR (L. BANK CAMSHAFT, R.H. ENG., R. BANK CAMSHAFT L.H. ENG.) (L.H. HELIX; 97 TEETH) (5107073)		1	1	1	1	1	1	1	1	2	1	1	1	1
7A,B	8926248	KEY, 3/16"x5/8" SPECIAL (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	5150087	NUT, 1 1/8"-18 (1.7140)	2	2		2									2	
* NOT SERVICED. USE PART NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 51 07075, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 510 7076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V53), 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-5 3) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).																
1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR																
7A,B	5121077	SPACER	2	2	1	1	1	1	1	1	1	1	1	1	1	2
1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT																
7A,B	5172734	RETAINER	2	2		2			2	3		2	2		2	
7A,B	181360	BOLT, 3/8"-24X3/4" (12.9001)	4	4					4	4		4	4		4	
7A,B	181361	BOLT, 3/8"-24X7/8" (12.9001)				4			4			4	4			
7A,B	103321	LOCKWASHER, 3/8" (12.9200)	4	4		4			4	4		4	4		4	
1.7220 - GEAR ASSY., IDLER																
A GEAR ASSY. INCLUDES BEARING IN 1.7225.																
AN 8V-53 GEAR ASSY. INCLUDES ITEMS IN 1.7222, 1.7225, 1.7227 AND 1.7250.																
7E	5146899	GEAR ASSY., 8V-53 (L.H. HELIX; 72 TEETH)														
7E	5135227	* GEAR ASSY., 3, 4, 6V-53 (L.H. HELIX; 72 TEETH)	1	1		1									1	1

1.7000 CAMSHAFT AND GEAR TRAIN

PART		TYPES															
FIG	NUMBER	NAME AND DESCRIPTION	1 0 6	1 0 9	1 3 7	1 3 8	1 3 9	1 4 0	1 4 1	1 5 0	1 5 1	1 5 2	1 5 3	1 8 2	1 8 9	1 9 1	
		1.7220 - GEAR ASSY., IDLER (CONT'D)															
		* NOT SERVICED. USE 5107075 AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 5107072 RH HELIX, 510 7073 LH HELIX, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 5107076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V-53), 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-53) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).															
		1.7222 - GEAR, IDLER															
7G	5132620	GEAR (L.H. HELIX; 72 TEETH)	1														
		1.7225 - BEARING, IDLER GEAR															
7G	9433162	BEARING ASSY.	1														
7G	5196793	BEARING		1	1	1	1	1	1	1	1	1	1	1	1	1	
7G	5132504	WASHER		2	2	2	2	2	2	2	2	2	2	2	2	2	
		1.7227 - RETAINER, IDLER GEAR BEARING															
7G	5132621	RETAINER	1														
7G	5132708	BOLT, 1/4"-28X1/2" NYLON	6														
		1.7250 - HUB, IDLER GEAR															
7G	5132622	HUB, 8V-53	1														
	5124458	HUB, 3, 4, 6V-53		1	1	1	1	1	1	1	1	1	1	1	1	1	
7F	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		1.7260 - SPACER, IDLER GEAR HOLE															
	5116220	* SPACER				1			1								
	5157244	* BOLT, 3/8"-16X1 3/4" (4.4190)				1			1								
		* NOT REQUIRED IN ANY TYPE WITH FLYWHEEL HOUSING HAVING INTEGRAL IDLER GEAR HOLE SPACER.															

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	2 0 0	2 1 9	2 2 0	2 2 1	2 5 2	2 6 5	2 6 6	2 6 7	2 6 8	2 6 9	2 7 0	2 7 1
1.7001 - CAMSHAFT ASSY.														
A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001.														
7A	5126930	# CAMSHAFT ASSY., 3-53 RA-RD-LB-LC ENG. (5149093)	1											
7A	5149095	% CAMSHAFT ASSY., 4-53 RA-RB-RC-RD ENG. (STAMPED V7L)		1								1	1	1
7A	5149091	CAMSHAFT ASSY., 3-53 RB-RC-LA-LD ENG. (STAMPED V7L)			1		1				1			
7A	5149097	CAMSHAFT ASSY., 4-53 LA-LB-LC-LD ENG. (STAMPED V7L)				1								
7A	5149093	CAMSHAFT ASSY., 3-53T RA-RD-LB-LC ENG. (STAMPED V7L)					1			1				
7A	5126929	CAMSHAFT ASSY., 3-53 RB-RC-LA-LD ENG.							1					
	5151277	PLUG, 1/2" DRIVE # NOT SERVICED. USE NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY RETAIN VALVE SPRING 5116140 ON 2 VALVE ENGINES AND REPLACE 5144019 VALVE SPRING WITH 5147424 VALVE SPRING ON 4 VALVE ENGINES. % MUST BE USED WITH 5147424 VALVE SPRING ON 4 VALVE ENGINES AND 5116140 VALVE SPRING ON 2 VALVE ENGINES.	2	2	2	2	2	2	2	2	2	2	2	2
1.7010 - BEARING, CAMSHAFT END														
A SET INCLUDES ALL END AND INTERMEDIATE BEARINGS WHICH ARE NOT SOLD SEPARATELY.														
7A	5198209	BEARING SET (STD. 3-53)	1		1		1	1	1	1	1			
7A	5198980	BEARING SET (STD. I.D., .010" O.S. O.D.)	AR		AR		AR	AR	AR	AR	AR			
7A	5198470	BEARING SET (.010" U.S. I.D., STD. O.D.)	AR		AR		AR	AR	AR	AR	AR			
7A	5198471	BEARING SET (.020" U.S. I.D., STD. O.D.)	AR		AR		AR	AR	AR	AR	AR			
7A	5198984	BEARING SET (STD. 4-53)		1		1						1	1	1
7A	5198979	BEARING SET (STD. I.D., .010" O.S. O.D.)		AR		AR						AR	AR	AR
7A	5198978	BEARING SET (.010" U.S. I.D., STD. O.D.)		AR		AR						AR	AR	AR
7A	5198981	BEARING SET (.020" U.S. I.D., STD. O.D.)		AR		AR						AR	AR	AR
1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST														
7A	5116198	WASHER	2	2	2	2	2	2	2	2	2	2	2	2
7A	9409028	BOLT, 3/8"-16X1" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
1.7060 - SEAL, CAMSHAFT OIL														
7A,B	5106223	SEAL (FRONT 3, 4, 6V-53)	2	2	2	2	2	2	2	2	2	2	2	2
1.7061 - SLINGER, CAMSHAFT OIL														
7A	5134388	SLINGER	2	2	2	2								

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES											
..FIG	NUMBER	NAME AND DESCRIPTION	2 0 0	2 1 9	2 2 0	2 2 1	2 5 2	2 6 5	2 6 6	2 6 7	2 6 8	2 6 9	2 7 0	2 7 1
1.7062 - SPACER, CAMSHAFT OIL SEAL														
7A	5121071	SPACER, .440" THK.	2	2	2	2	1	2	2	2	2	2	2	2
7A	5108360	SPACER, .465" THK.												
1.7080 - SHAFT, BALANCE														
7A	5121073	SHAFT, 3-53	1		1		1	1	1	1	1		1	1
7A	5121074	SHAFT, 4-53		1		1						1	1	1
1.7130 - PULLEY, FRONT BALANCE														
7A	8925944	PULLEY, 3-53	2		2		2	2	2	1	1			
7A	8925946	PULLEY, 4-53		2		2						2	2	1
7A	8926248	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2
7A	5150087	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2	2
1.7140 - WEIGHT, FRONT BALANCE														
	8925947	WEIGHT, 3-53 (ON CAMSHAFT)									1			
	5109504	WEIGHT, 4-53 (ON CAMSHAFT)												1
1.7190 - WEIGHT, REAR BALANCE														
7A,C	5119277	WEIGHT (ON CAMSHAFT)	2	2	2	2	2	2	2	2		2	2	
7A,C	5119278	WEIGHT (ON CAMSHAFT)		2		2						2	2	2
7A,C	5109874	WEIGHT (ON CAMSHAFT)									2			2
7A,C	9409028	BOLT, 3/8"-16X1" (12.9001)	4		4		4	4	4	4				
7A,C	9409215	BOLT, 3/8"-16X1 1/4" (12.9001)		4		4						4	4	
7A,C	9409034	BOLT, 3/8"-24X7/8" (12.9001)									4			
7A,C	9409035	BOLT, 3/8"-24X1" (12.9001)												4
1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT														
7A,C	5133387	* GEAR (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.) (R.H. HELIX: 97 TEETH) (510707 2)	1	1	1	1	1							
7A,C	5133388	* GEAR (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.) (L.H. HELIX: 97 TEETH) (510707 3)	1	1	1	1	1							
7A,C	5107072	GEAR (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.) (R.H. HELIX: 111 TEETH)						1	1	1	1	1	1	1
7A,C	5107073	GEAR (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.) (L.H. HELIX: 111 TEETH)						1	1	1	1	1	1	1
7A	8926248	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2
7A	5150087	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2	2

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	200	219	220	221	252	265	266	267	268	269	270	271
1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT (CONT'D)														
* NOT SERVICED. USE PART NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 5107075, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 5107076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V53), 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-53) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).														
1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR														
7A	5121077	SPACER	1	1	1	1	1	1	1	1	1	1	1	1
1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT														
7A	5172734	RETAINER	2	2	2	2	2	2	2	2		2	2	
7A	181360	BOLT, 3/8"-24X3/4" (12.9001)	4		4		2	4	4	4				
7A	181361	BOLT, 3/8"-24X7/8" (12.9001)		4		4	2					4	4	
7A	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4		4	4	
1.7220 - GEAR ASSY., IDLER														
A GEAR ASSY. INCLUDES BEARING IN 1.7225.														
7C	5135227	* GEAR ASSY. (L.H. HELIX; 72 TEETH)	1	1	1	1	1							
7C	5107075	GEAR ASSY. (L.H. HELIX; 82 TEETH)						1	1	1	1	1	1	1
* NOT SERVICED. USE 5107075 AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 5107072 RH HELIX, 5107073 LH HELIX, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 5107076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V-53), 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-53) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).														
1.7225 - BEARING, IDLER GEAR														
7F	5196793	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
7F	5132504	WASHER (THRUST)	2	2	2	2	2	2	2	2	2	2	2	2

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES											
..FIG ..	NUMBER	NAME AND DESCRIPTION	2 0 0	2 1 9	2 2 0	2 2 1	2 5 2	2 6 5	2 6 6	2 6 7	2 6 8	2 6 9	2 7 0	2 7 1
1.7250 - HUB, IDLER GEAR														
7F	5124458	HUB	1	1	1	1	1	1	1	1	1	1	1	1
7F	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	1	1	1	1	1	1	1	1
1.7260 - SPACER, IDLER GEAR HOLE														
7C	5116220	* SPACER	1											
7C	5157244	* BOLT, 3/8"-16X1 3/4" (4.4190)	1											
		* NOT REQUIRED IN ANY TYPE WITH FLYWHEEL HOUSING HAVING INTEGRAL IDLER GEAR HOLE SPACER.												

1.7000 CAMSHAFT AND GEAR TRAIN

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	272	273	274	275	276	277	278	279	280	281	297	298	299
1.7001 - CAMSHAFT ASSY.															
A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001.															
7A	5126932	% CAMSHAFT ASSY., 4-53 RA-RB-RC-RD ENG.	1												
7A	5149097	CAMSHAFT ASSY., 4-53 LA-LB-LC-LD ENG. (STAMPED V7L)		1											
7A	5149095	CAMSHAFT ASSY., 4-53 RA-RB-RC-RD ENG. (STAMPED V7L)			1	1									
7B	5199397	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7L)					1							1	
7B	5199396	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7L)					1							1	
7B	5126934	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7)						1						1	1
7B	5126933	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7)						1					1		1
7A	5126929	CAMSHAFT ASSY., 3-53 RB-RC-LA-LD ENG. (STAMPED V7)							1						
7A	5149091	CAMSHAFT ASSY., 3-53 RB-RC-LA-LD ENG. (STAMPED V7L)								1					
7A	5149093	CAMSHAFT ASSY., 3-53 RA-RD-LB-LC ENG. (STAMPED V7L)									1				
	5151277	PLUG, 1/2" DRIVE % MUST BE USED WITH 5144019 VALVE SPRING ON 4 VALVE ENGINES AND 5116140 VALVE SPRING ON 2 VALVE ENGINES.	2	2	2	2	4	4	2	2	2	2	4	4	4
1.7010 - BEARING, CAMSHAFT END															
A SET INCLUDES ALL END AND INTERMEDIATE BEARINGS WHICH ARE NOT SOLD SEPARATELY.															
7A	5198209	BEARING SET (STD. 3-53)							1	1	1	1			
7A	5198980	BEARING SET (STD. I.D., .010" O.S. O.D.)							AR	AR	AR	AR			
7A	5198470	BEARING SET (.010" U.S. I.D., STD. O.D.)							AR	AR	AR	AR			
7A	5198471	BEARING SET (.020" U.S. I.D., STD. O.D.)							AR	AR	AR	AR			
7A	5198984	BEARING SET (STD. 4-53)	1	1	1	1									
7A	5198979	BEARING SET (STD. I.D., .010" O.S. O.D.)	AR	AR	AR	AR									
7A	5198978	BEARING SET (.010" U.S. I.D., STD. O.D.)	AR	AR	AR	AR									
7A	5198981	BEARING SET (.020" U.S. I.D., STD. O.D.)	AR	AR	AR	AR									
7B	5197944	BEARING SET (STD. 6V-53)					1	1					1	1	1
7B	5198983	BEARING SET (STD. I.D., .010" O.S. O.D.)					AR	AR					AR	AR	AR
7B	5197945	BEARING SET (.010" U.S. I.D., STD. O.D.)					AR	AR					AR	AR	AR
7B	5197946	BEARING SET (.020" U.S. I.D., STD. O.D.)					AR	AR					AR	AR	AR
1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST															
7A,B	5116198	WASHER	2	2	2	2	2	2		2	2	2	2	2	2
7A,B	5135812	WASHER							2						
7A,B	9409028	BOLT, 3/8"-16X1" (12.9001)	4	4	4	4	4	4	6	4	4	4	4	4	4

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	2 7 2	2 7 3	2 7 4	2 7 5	2 7 6	2 7 7	2 7 8	2 7 9	2 8 0	2 8 1	2 9 7	2 9 8	2 9 9
1.7060 - SEAL, CAMSHAFT OIL															
7A,B	5106223	SEAL, OIL (FRONT 3, 4, 6V-53)	2	2	2	2	2	2	2	2	2	2	2	2	2
1.7062 - SPACER, CAMSHAFT OIL SEAL															
7A,B	5106360	SPACER, .465" THK.	2	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	5121071	SPACER, .440" THK.			1										
1.7080 - SHAFT, BALANCE															
7A	5121074	SHAFT, 4-53	1	1	1	1									
7A	5121073	SHAFT, 3-53							1	1	1	1			
1.7130 - PULLEY, FRONT BALANCE															
7A	8925944	PULLEY, 3-53							1	1	2	2			
7B	8925945	PULLEY, 6V-53						2					2		2
7A,B	8926248	KEY, 3/16"X5/8" SPECIAL (12.9350)						2	2	2	4	4	2	2	2
7A,B	5150087	NUT, 1 1/8"-18 (1.7140)						2	2	2	4	4	2		2
1.7140 - WEIGHT, FRONT BALANCE															
	8925947	WEIGHT, 3-53 (ON CAMSHAFT)							1	1					
1.7190 - WEIGHT, REAR BALANCE															
7A	5109874	WEIGHT (.1345" THICK, 3 HOLES)							2	2					
7A	5119277	WEIGHT (.2391" THICK, 2 HOLES)									2	2			
7A	9409034	BOLT, 3/8"-24X7/8" (12.9001)							4	4					
7A	9409028	BOLT, 3/8"-16X1" (12.9001)									4	4			
1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT															
7A,B	5107072	GEAR (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.) (R.H. HELIX; 111 TEETH)	1	1	1	1	1	1	1	1	1	1		1	1
7A,B	5107073	GEAR (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.) (L.H. HELIX; 111 TEETH)	1	1	1	1	1	1	1	1	1	1		1	1
7B	5133387	* GEAR (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.) (R.H. HELIX; 97 TEETH) (5107072)											1		
7B	5133388	* GEAR (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.) (L.H. HELIX; 97 TEETH) (5107073)													
7A,B	8926248	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	2	2	2	2	2	2			1	2	2
7A,B	5150087	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2			2	2	2

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	2 7 2	2 7 3	2 7 4	2 7 5	2 7 6	2 7 7	2 7 8	2 7 9	2 8 0	2 8 1	2 9 7	2 9 8	2 9 9
1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT (CONT'D)															
* NOT SERVICED. USE PART NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 51 07075, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 510 7076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V53), 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-5 3) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).															
1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR															
7A,B	5121077	SPACER	1	1		1	2	2	1	1	1	1	2	2	2
1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT															
7A,B	5172734	RETAINER	2	2			2				2	2	2	2	2
7A	181360	BOLT, 3/8"-24X3/4" (12.9001)										4			4
7A,B	181361	BOLT, 3/8"-24X7/8" (12.9001)	4	4			4				4	4	4	4	4
7A,B	103321	LOCKWASHER, 3/8" (12.9200)	4	4			4				4	4	4	4	4
1.7220 - GEAR ASSY., IDLER															
INCLUDES BEARING IN 1.7225.															
7C	5107075	GEAR ASSY. (L.H. HELIX; 82 TEETH)	1	1	1	1	1	1	1	1	1	1		1	1
	5135227	* GEAR ASSY. (L.H. HELIX; 72 TEETH)											1		
* NOT SERVICED. USE 5107075 AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 5107072 RH HELIX, 510 7073 LH HELIX, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 5107075 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V-53), 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-53) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).															
1.7225 - BEARING, IDLER GEAR															
7F	5196793	BEARING	1	1	1	1	1	1	1	1	1	1	1	1	1
7F	5132504	WASHER	2	2	2	2	2	2	2	2	2	2	2	2	2

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	272	273	274	275	276	277	278	279	280	281	297	298	299
1.7250 - HUB, IDLER GEAR															
7F	5124458	HUB	1	1	1	1	1	1	1	1	1	1	1	1	1
7F	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	1	1	1	1	1	1	1	1	1
1.7260 - SPACER, IDLER GEAR HOLE															
	5116220	* SPACER										1			
	5157244	* BOLT, 3/8"-16X1 3/4" (4.4190)										1			
		* NOT REQUIRED IN ANY TYPE WITH FLYWHEEL HOUSING HAVING INTEGRAL IDLER GEAR HOLE SPACER.													

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	3 0 2	3 1 0	3 1 1	3 1 5	3 8 7	4 0 1	4 1 4	4 1 5	4 2 6	4 2 7	4 3 3	4 6 6	4 7 0	
1.7001 - CAMSHAFT ASSY.																
• FOR TYPE 382 USE TYPE 265. A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001.																
7B	5199397	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG., L. BANK L.H. ENG. (STAMPED V7L)	1	1		1			1							
7B	5199396	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG., R. BANK L.H. ENG. (STAMPED V7L)	1	1		1			1							
7A	5149095	% CAMSHAFT ASSY., 4-53 RA-RB-RC-RD ENG. (STAMPED V7L)				1						1				
7A	5149093	CAMSHAFT ASSY., 3-53 RA-RD-LB-LC ENG. (STAMPED V7L)					1			1						
7B	5126934	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG., L. BANK L.H. ENG. (STAMPED V7)						1			1		1			
7B	5126933	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG., R. BANK L.H. ENG. (STAMPED V7)						1			1		1			
7A	8927164	CAMSHAFT ASSY., 3-53 RA, RD, LB, LC ENG. (STAMPED V7L)						1			1			1		
7A	8927165	CAMSHAFT ASSY., 4-53 RA, RB, RC, RD ENG. (STAMPED V7L)													1	
7A,B	5151277	PLUG, 1/2" DRIVE % MUST BE USED WITH 5147424 VALVE SPRING ON 4 VALVE ENGINES AND 5116140 VALVE SPRING ON 2 VALVE ENGINES.	4	4	2	4	2	4	4	2	4	2	4	2	1 2	
1.7010 - BEARING, CAMSHAFT END																
A SET INCLUDES ALL END AND INTERMEDIATE BEARINGS WHICH ARE NOT SOLD SEPARATELY.																
7B	5197944	BEARING SET (STD. 6V-53)	1	1		1		1	1		1		1			
7B	5198983	BEARING SET (STD. I.D., .010" O.S. O.D.)	AR	AR		AR		AR	AR		AR		AR			
7B	5197945	BEARING SET (.010" U.S. I.D., STD. O.D.)	AR	AR		AR		AR	AR		AR		AR			
7B	5197946	BEARING SET (.020" U.S. I.D., STD. O.D.)	AR	AR		AR		AR	AR		AR		AR			
7A	5198984	BEARING SET (STD. 4-53)				1						1			1	
7A	5198979	BEARING SET (STD. I.D., .010" O.S. O.D.)				AR						AR			AR	
7A	5198978	BEARING SET (.010" U.S. I.D., STD. O.D.)				AR						AR			AR	
7A	5198981	BEARING SET (.020" U.S. I.D., STD. O.D.)				AR						AR			AR	
7A	5198209	BEARING SET (STD. 3-53)					1			1				1		
7A	5198980	BEARING SET (STD. I.D., .010" O.S. O.D.)					AR			AR				AR		
7A	5198470	BEARING SET (.010" U.S., I.D., STD. O.D.)					AR			AR				AR		
7A	5198471	BEARING SET (.020" U.S., I.D., STD. O.D.)					AR			AR				AR		
1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST																
7A,B	5116198	WASHER	2	2	2	2	2	2	2	2	2	2	2	2	2	
7A,B	9409028	BOLT, 3/8"-16X1" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4	4	

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	3 0 2	3 1 0	3 1 1	3 1 5	3 8 7	4 0 1	4 1 4	4 1 5	4 2 6	4 2 7	4 3 3	4 6 6	4 7 0
1.7060 - SEAL, CAMSHAFT OIL															
7A,B	5106223	SEAL, OIL (FRONT 3, 4, 6V-53)	2	2	2	2	2	2	2	2	2	2	2	2	2
1.7062 - SPACER, CAMSHAFT OIL SEAL															
7A,B	5106360	SPACER	2	2	2	2	2	2	2	2	2	2	2	2	2
1.7080 - SHAFT, BALANCE															
7A	5121073	SHAFT, 3-53					1		1					1	1
7A	5121074	SHAFT, 4-53										1			
1.7130 - PULLEY, FRONT BALANCE															
7B	8925945	PULLEY, 6V-53	2	2		2		2	2		2		1		
7A	8925946	PULLEY, 4-53			1							2			
7A	8925944	PULLEY, 3-53					2			2					
7A	5136420	PULLEY, 6V-53 (9 GROOVE)											1		
7A	8925941	PULLEY, 3-53												2	
7A	8925943	PULLEY, 4-53													2
7A,B	8926248	KEY, 3/16"X5/8" WOODRUFF (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	5150087	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2	2	2
1.7190 - WEIGHT, REAR BALANCE															
7A,C	5119277	WEIGHT, 3, 4-53 (ON CAMSHAFT)			2		2		2		2				
7A,C	5119278	WEIGHT, 4-53 (ON CAMSHAFT)			2						2				2
7A,C	8926004	WEIGHT, 3, 4-53 (ON CAMSHAFT)												2	2
7A,C	9409215	BOLT, 3/8"-16X1 1/4" (12.9001)			4		4				4				4
7A,C	9409028	BOLT, 3/8"-16X1" (12.9001)							2					4	
1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT															
7A,B	5133387	* GEAR (R.H. HELIX) (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.-97 TEETH)	1		1	1									
7A,B	5133388	* GEAR (L.H. HELIX) (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.-97 TEETH)	1		1	1									
7A	5107073	GEAR (L.H. HELIX) (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.-111 TEETH)		1			1	1	1	1	1	1	1		1
7A	5107072	GEAR (R.H. HELIX) (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.-111 TEETH)		1			1	1	1	1	1	1	1		1
	8924987	GEAR, HARDENED (R.H. HELIX) (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.-111 TEETH)												1	
7A,C	8924988	GEAR, HARDENED (L.H. HELIX) (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.-111 TEETH)													1
7A,B	8926248	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	5150087	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2	2	2

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	3 0 2	3 1 0	3 1 1	3 1 5	3 8 7	4 0 1	4 1 4	4 1 5	4 2 6	4 2 7	4 3 3	4 6 6	4 7 0
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT (CONT'D)													
		* NOT SERVICED. USE PART NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 51 07075, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 510 7076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V-53), 510708 1 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2- 53) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).													
		1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR													
7A,B	5121077	SPACER	2	2	1	2	1	2	2	1	2	1	2	1	1
		1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT													
7A,B	5172734	RETAINER	2	2	2	2	2	2	2	2	2	2	2	2	2
7A	181360	BOLT, 3/8"-24X3/4" (12.9001)	4	4	4	4	4	4	4	2	4	4	4	2	4
7B	181361	BOLT, 3/8"-24X7/8" (12.9001)			4					2		4	4	2	4
7A,B	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4	4
		1.7220 - GEAR ASSY., IDLER													
		INCLUDES BEARING IN 1.7225.													
	5135227	* GEAR ASSY., 4, 6V-53 (L.H. HELIX; 72 TEETH)	1		1										
	5107075	GEAR ASSY., 3, 4, 6V-53 (L.H. HELIX; 82 TEETH)		1		1	1	1	1	1	1	1	1		1
	8924990	GEAR ASSY., 3-53 HARDENED (L.H. HELIX; 82 TEETH-STAMPED 8924989)												1	
		* NOT SERVICED. USE 5107075 AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 5107072 RH HELIX, 510 7073 LH HELIX, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 5107076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V-53), 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-53) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).													

1.7000 CAMSHAFT AND GEAR TRAIN

			TYPES											
PART			3	3	3	3	4	4	4	4	4	4	4	4
.FIG . . . NUMBER NAME AND DESCRIPTION			0	1	1	1	0	1	1	2	2	3	6	7
			2	0	5	7	1	5	6	7				0
1.7225 - BEARING, IDLER GEAR														
7F	5196793	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
7F	5132504	WASHER	2	2	2	2	2	2	2	2	2	2	2	2
1.7250 - HUB, IDLER GEAR														
7F	5124458	HUB	1	1	1	1	1	1	1	1	1	1	1	1
7F	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	2	2	1	1	1	1	1	1	1

1.7000 CAMSHAFT AND GEAR TRAIN

PART			TYPES										
FIG	NUMBER	NAME AND DESCRIPTION	4 8 6	5 0 9	5 5 6	5 5 9	5 6 1	5 6 9	5 7 0	5 7 1	5 7 2	5 9 3	6 2 5
1.7001 - CAMSHAFT ASSY.													
A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001.													
7B	5199397	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7L)	1				1	1					1
7B	5199396	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7L)	1				1	1					1
7B	8927167	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7L)		1							1		
7B	8927166	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7L)		1							1		
7A	5149095	CAMSHAFT ASSY., 4-53 RA-RB-RC-RD ENG. (STAMPED V7L)			1								
7B	5126934	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7)				1							
7B	5126933	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7)				1							
7A	5149091	CAMSHAFT ASSY., 3-53 RB-RC-LA-LD ENG. (STAMPED V7L)					1						
7A	8927165	CAMSHAFT ASSY., 4-53 RA-RB-RC-RD (STAMPED V7L)						1					
7A	8923998	CAMSHAFT ASSY., 3-53 LB-LC-RA-RD (STAMPED V7L)							1				
7A,B	5151277	PLUG, 1/2" DRIVE	4	4	2	4	2	4	4	2	4	1 2	4
1.7010 - BEARING, CAMSHAFT END													
A SET INCLUDES ALL END AND INTERMEDIATE BEARINGS WHICH ARE NOT SOLD SEPARATELY.													
7B	5197944	BEARING SET (STD. 6V-53)	1 AR	1 AR		1 AR		1 AR	1 AR		1 AR		1 AR
7B	5198983	BEARING SET (STD. I.D., .010" O.S. O.D.)	AR	AR		AR		AR	AR		AR		AR
7B	5197945	BEARING SET (.010" U.S. I.D., STD. O.D.)	AR	AR		AR		AR	AR		AR		AR
7B	5197946	BEARING SET (.020" U.S. I.D., STD. O.D.)	AR	AR		AR		AR	AR		AR		AR
7A	5198984	BEARING SET (STD. 4-53)			1					1			
7A	5198979	BEARING SET (STD. I.D., .010" O.S. O.D.)			AR					AR			
7A	5198978	BEARING SET (.010" U.S. I.D., STD. O.D.)			AR					AR			
7A	5198981	BEARING SET (.020" U.S. I.D., STD. O.D.)			AR					AR			
7A	5198209	BEARING SET (STD. 3-53)					1					1	
7A	5198980	BEARING SET (STD. I.D., .010" O.S. O.D.)					AR					AR	
7A	5198470	BEARING SET (.010" U.S. I.D., STD. O.D.)					AR					AR	
7A	5198471	BEARING SET (.020" U.S. I.D., STD. O.D.)					AR					AR	
1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST													
7A,B	5116198	WASHER	2	2	2	2	2	2	2	2	2	2	2
7A,B	9409028	BOLT, 3/8"-16X1" (12.9001)	4	4	4	4	4	4	4	4	4	4	4

1.7000 CAMSHAFT AND GEAR TRAIN

			TYPES										
FIG	PART NUMBER	NAME AND DESCRIPTION	486	509	556	559	561	569	570	571	572	593	625
1.7060 - SEAL, CAMSHAFT OIL													
7A,B	5106223	SEAL, OIL (FRONT 3, 4, 6V-53)	2	2	2	2	2	2	2	2	2	2	2
1.7062 - SPACER, CAMSHAFT OIL SEAL													
7B	5106360	SPACER	2	2	2	2	2	2	2	2	2	2	2
1.7080 - SHAFT, BALANCE													
	5121074	SHAFT, 4-53			1				1			1	
	5121073	SHAFT, 3-53					1						
1.7130 - PULLEY, FRONT BALANCE													
7B	8925942	PULLEY, 6V-53	2	2		2		2	2		2		2
7A	8925946	PULLEY, 4-53			2							2	
7A	8925944	PULLEY, 3-53					2						
7A	8925943	PULLEY, 4-53T								2			
7A,B	8926248	KEY, 3/16"X5/8" WOODRUFF (12.9350)	2	2	2	2	2	2	2	2	2	2	2
7A,B	5150087	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2
1.7190 - WEIGHT, REAR BALANCE													
	8926005	WEIGHT, 6V-53	2	2		2		2	2		2		2
7A	5119277	WEIGHT, 3,4-53			2		2					2	
7A	5119278	WEIGHT, 4-53			2					2			
7A	8926004	WEIGHT, 4-53								2			
	9409028	BOLT, 3/8"-16X1" (12.9001)					4					4	
	8927580	BOLT, 3/8"-16X1.015" (12.9001)	4	4		4		4		4	4		4
7A	9409215	BOLT, 3/8"-16X1 1/4" (12.9001)			4					4			
1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT													
7B	5107072	GEAR (R.H. HELIX) (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.-111 TEETH)	1	1		1		1	1		1	1	1
7B	5107073	GEAR (L.H. HELIX) (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.-111 TEETH)	1	1		1		1	1		1	1	1
	8924987	GEAR, HARDENED (R.H. HELIX) (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.-111 TEETH)			1		1			1			
	8924988	GEAR, HARDENED (L.H. HELIX) (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.-111 TEETH)			1		1			1			
7B	8926248	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	1		1		1		1	2	2
7B	5150087	NUT, 1 1/8"-18 (1.7140)	2	2		2	2	2	2	2	2	2	2
1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR													
7A,B	5121077	SPACER	2	2	1	2	1	2	2	1	2	1	2

1.7000 CAMSHAFT AND GEAR TRAIN

			TYPES										
FIG	PART NUMBER	NAME AND DESCRIPTION	4 8 8	5 0 9	5 5 8	5 5 9	5 6 1	5 6 9	5 7 0	5 7 1	5 7 2	5 9 3	6 2 5
	1.7207	RETAINER, CAM AND BALANCE SHAFT GEAR NUT											
7B	5172734	RETAINER	2	2	2		2	2	2	2	2	2	
7B	181360	BOLT, 3/8"-24X3/4" (12.9001)	4	4			4	4	4	4	4	4	
7A	181361	BOLT, 3/8"-24X7/8" (12.9001)			4					4	4		
7B	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4		4	4	4	4	4	4	
	1.7220	GEAR ASSY., IDLER											
		A GEAR ASSY. INCLUDES BEARING IN 1.7225.											
	5107075	GEAR ASSY., (L.H. HELIX; 82 TEETH)	1	1		1		1	1		1	1	1
	8924990	GEAR ASSY., HARDENED (L.H. HELIX; 82 TEETH-STAMPED 8924989)			1		1		1				
	1.7225	BEARING, IDLER GEAR											
7F	5196793	BEARING	1	1	1	1	1	1	1	1	1	1	1
7F	5132504	WASHER	2	2	2	2	2	2	2	2	2	2	2
	1.7250	HUB, IDLER GEAR											
7F	5124458	HUB	1	1	1	1	1	1	1	1	1	1	1
7F	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	1	1	1	1	1	1	1

1.7000A BALANCE WEIGHT COVER

PART		TYPES												
..FIG	NUMBER	NAME AND DESCRIPTION	5 2	5 3	5 4	5 5	5 6	5 7	5 8	5 9	6 0	6 1	6 2	6 3
1.7470 - COVER, BALANCE WEIGHT														
A COVER ASSEMBLY INCLUDES DOWEL PINS IN 1.7470.														
5133674	COVER ASSY. (1.3161)	1												
5119428	COVER ASSY. (1.3161)		1											1
5128026	COVER ASSY. (ALSO INCLUDES PLUGS IN 1.7470) (1.3161)			1										
5109807	COVER ASSY. (ALSO INCLUDES PLUGS AND HELI-COILS) (1.3161)				1					1		1	1	
5126008	COVER ASSY. (ALSO INCLUDES PLUG AND NIPPLE IN 1.7470) (1.3161)					1								
5128025	COVER ASSY. (ALSO INCLUDES PLUG AND NIPPLE IN 1.7470) (1.3161)						1							
5101347	COVER ASSY. (1.3161)							1			1			
5119481	ELEMENT (4.8060)					1	1							
5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)	2	2						2		2			2
456378	PIN, 1/4"X2" SPRING (12.9270)	1												
5157933	PIN, 5/16"X7/8" DOWEL (3.4140)			2	2	2	2			2		2	2	
5150829	PLUG, 7/8" CUP (4.8001)			2	2	1	1			2		2	2	
5101391	PLUG, AIR HEATER (1.3161)									1			1	
452712	INSERT, HELI-COIL 7/16"-14X7/16" (12.9118)				2					2		2	2	
5119477	NIPPLE (5.2160)					1	1							
186622	BOLT, 3/8"-16X1 1/4" (12.9001)	9	9						9		9			9
186628	BOLT, 3/8"-16X1 1/2" (12.9001)										4			4
179844	BOLT, 3/8"-16X1 5/8" (12.9001)		4	11	11	11	11		4	11		11	11	
179846	BOLT, 3/8"-16X1 7/8" (12.9001)	4												
179848	BOLT, 3/8"-16X2 1/4" (12.9001)			12	12	12	12			12		12	12	
180078	BOLT, 5/16"-18X7/8" (12.9001)									3			3	
5155596	WASHER, 21/64"X9/16" COPPER (4.7120)									3			3	
103341	WASHER, 3/8" (12.9190)	13			23				13	23	13	23	23	
103321	LOCKWASHER, 3/8" (12.9200)	13	13	23	23	23	23		13	23	13	23	23	13
1.7472 - SEAL, BALANCE WEIGHT COVER OIL														
5106223	SEAL (1.7060)	2	2	2	2	2	2	2	2	2	2	2	2	2
5109517	SEAL, RING (7.8040)									1			1	
1.7480 - GASKET, BALANCE WEIGHT COVER														
5121082	GASKET (1.3170)	1	1						1		1			1
5124055	GASKET (1.3170)			1	1	1	1			1		1	1	
5109496	GASKET (7.8040)									1			1	

1.7000B ACCESSORY DRIVE

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	3 8	4 1	4 7	5 7	6 0	6 1	7 6	7 7	8 2	9 2	9 5	1 1 8	1 3 1
1.7604 - GASKET, ACCESSORY DRIVE															
	5104506	GASKET (1.5040)	1	1	1	1	1	1	1					1	
1.7605 - PULLEY, ACCESSORY DRIVE															
	NPN	PULLEY (CUSTOMER FURNISHED)							AR						
8B	5100268	PULLEY (5 1/4" DIA., SINGLE GROOVE) (7.1505)				1	1								
8A	5168696	PULLEY (5 1/2" DIA., DOUBLE GROOVE)	1											1	2
8B	5164291	PULLEY (5 1/2" DIA., SINGLE GROOVE)		1											
	5133838	PULLEY (5 1/2" DIA., DOUBLE GROOVE) (12.4015)											1		
	5177236	PULLEY (6 1/4" DIA., DOUBLE GROOVE)										1			
8B	124548	KEY, 5/32"X3/4" WOODRUFF (12.9350)		1		1									
8A	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)	1				1					1	1	1	2
8B	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		1		1									
8B	5132987	WASHER, 7/16"		1		1									
8B	103322	LOCKWASHER, 7/16" (12.9200)		1		1									
8A	272906	NUT, 3/4"-16 LOCK (12.9140)	1				1					1	1	1	2
1.7607 - BRACKET, ACCESSORY DRIVE															
	5140021	SUPPORT													
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)							2 4						
1.7610 - HUB, DRIVE PULLEY															
8B	5164286	HUB		1		1									
8B	5176474	BOLT 3/8"-24X1.12" (1.7630)			4	4									
8B	5145091	BOLT, 3/8"-24 X 1.38" SELF LK. (12.5015)		4											
1.7615 - RETAINER, DRIVE PULLEY HUB OIL SEAL															
A RETAINER ASSY. INCLUDES OIL SEAL.															
8B	5102565	RETAINER ASSY.		1		1									
8B	179857	BOLT, 7/16"-14X7/8" (12.9001)		1		1									
8B	122408	BOLT, 1/2"-13X1" (12.9001)		4		4									
8B	5150568	WASHER, 7/16" COPPER (12.9190)		1		1									
8B	103323	LOCKWASHER, 1/2" (12.9200)		4		4									
1.7620 - SEAL, DRIVE PULLEY HUB OIL															
8B	5102456	SEAL		1		1									

1.7000B ACCESSORY DRIVE

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	3 8	4 1	4 7	5 7	6 0	6 1	7 6	7 7	8 2	9 2	9 5	1 1 8	1 3 1
1.7627 - HOUSING, ACCESSORY DRIVE															
	5121050	PLATE (2.2235)						1							
	179857	BOLT, 7/16"-14X7/8"(12.9001)						1							
	179882	BOLT, 1/2"-13X1 1/8"(12.9001)						4							
	5150568	WASHER, 7/16" COPPER (12.9190)						1							
	103323	LOCKWASHER, 1/2"(12.9200)						4							
1.7630 - PLATE ASSY., ACCESSORY DRIVE															
8A	5153449	* PLATE	1												
8A	5131627	PLATE					1		1		1		1	1	
8A	5170450	PLATE			1					1		1			2
	5177026	SPACER	1	1			1		1		1		1	1	
	5127266	ADAPTOR (2.2220)						1							
	9409035	BOLT, 3/8"-24X1" LOCK(12.9001)						2							
8A	5176474	BOLT (3/8"-24X1.12")	3				3		3						
8A	5145092	BOLT, 3/8"-24 X 1.20" LOCK (12.5015)	4				4		4		4	4		4	8
8A	5145091	BOLT, 3/8"-24 X 1.38" (12.5015)	4		4		4		4	4			4		
		* NOT SERVICED; USE 5131627 PLATE AND INCLUDE (1) 5143616 HUB TO INSURE INTERCHANGEABILITY.													
1.7633 - RETAINER, CAM OR BALANCE GEAR															
	5122922	RETAINER (1.7207)	1	2			1	2	1				3		
	5122923	STUD, 3/8"-24X1 1/2"(12.9117)	1	1		1	1		1						
	124925	NUT, 3/8"-24 (12.9120)	1			1	1		1						
	9413533	NUT, 3/8"-24 HEX. THIN (12.9120)	1	1		1	1		1						
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)		1											
1.7635 - COUPLING, ACCESSORY DRIVE															
	5102257	FORK (2.2220)						1							
1.7640 - SHAFT, ACCESSORY DRIVE															
8A	5168697	# SHAFT	1												
8A	5122876	SHAFT			1										
8A	5131130	SHAFT					1		1	1		1	1	1	2
		# NOT SERVICED USE 5122876 PLUS 5131627 PLATE.													
1.7645 - RETAINER ASSY., ACCESSORY DRIVE															
		A RETAINER ASSY. INCLUDES ITEMS IN 1.7650, 1.7655 AND SEAL IN 1.7660.													
8A	5123116	* RETAINER ASSY.	1		1										
		* NOT SERVICED, USE 5131402.													

1.7000B ACCESSORY DRIVE

PART			TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	3 8	4 1	4 7	5 7	6 0	6 1	7 6	7 7	8 2	9 2	9 5	1 1 8	1 3 1
1.7645 - RETAINER ASSY., ACCESSORY DRIVE (CONT'D)															
8A	5131402	RETAINER ASSY.					1		1	1		1	1	1	2
8A	179857	BOLT, 7/16"-14X7/8"(12.9001)	1		1		1		1			1			
8A	179858	BOLT, 7/16"-14X1"(12.9001)								1		1			
8A	122408	BOLT, 1/2"-13X1"(12.9001)	4		4		4		4						
8A	179882	BOLT, 1/2"-13X1 1/8"(12.9001)								1		4			
8A	5150568	WASHER, 7/16" COPPER(12.9190)	1		1		1		1						
8A	103323	LOCKWASHER, 1/2"(12.9200)	4		4		4		4						
1.7650 - LOCKRING, ACCESSORY DRIVE															
8A	5155783	LOCKRING	1		1										
8A	9415285	LOCKRING (2.7470)					1		1	1		1	1	1	1
1.7655 - BEARING, ACCESSORY DRIVE															
8A	954469	+ BEARING (N.D.4605L)	1		1										
8A	907191	BEARING (5206WX1C) + OBSOLETE.					1		1	1		1	1	1	1
1.7660 - SEAL, ACCESSORY DRIVE OIL															
8A	5131329	SEAL	1		1		1		1	1		1	1	1	1
	5131131	SPACER (1.3665)					1		1	1		1	1	1	2

1.7000B ACCESSORY DRIVE

PART			TYPES															
FIG	NUMBER	NAME AND DESCRIPTION	1 3 8	1 4 0	1 4 7	1 7 0	1 7 1	1 7 3	1 7 4	1 7 5	1 7 6	1 7 8	1 7 9	1 9 0	1 9 1	1 9 2		
1.7605 - PULLEY, ACCESSORY DRIVE																		
		• FOR TYPE 148 USE TYPE 401.*																
		• FOR TYPE 180 USE TYPE 402.*																
8A	5168696	PULLEY (5 1/2" DIA., DOUBLE GROOVE)		1				1										
8B	5164291	PULLEY (5 1/2" DIA., SINGLE GROOVE)									1							
	5133838	PULLEY (5 1/2" DIA., DOUBLE GROOVE) (12.4015)									1							
8B	124548	KEY, 5/32"X3/4" WOODRUFF (12.9350)										1						
8A	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)																
8B	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		1				1		1								
8B	5132987	WASHER, 7/16"										1						
8B	103322	LOCKWASHER, 7/16" (12.9200)										1						
8A	272906	NUT, 3/4"-16 LOCK (12.9140)		1				1		1								
1.7610 - HUB, DRIVE PULLEY																		
8B	5164286	HUB										1						
8B	5176474	BOLT, 3/8"-24 X 1.12" (1.7630)										4						
1.7615 - RETAINER, DRIVE PULLEY HUB OIL SEAL																		
		A RETAINER ASSY. INCLUDES OIL SEAL.																
8B	5102565	RETAINER ASSY.										1						
1.7620 - SEAL, DRIVE PULLEY HUB OIL																		
8B	5102456	SEAL										1						
1.7622 - ADAPTOR, ACCESSORY DRIVE																		
	5122386	ADAPTOR (HYDRAULIC PUMP)(12.5020)			1		1											
	5131332	ADAPTOR (HYDRAULIC PUMP)(12.5020)																
	5131308	ADAPTOR (HYDRAULIC PUMP)(12.5020)										1			1			
	5135907	ADAPTOR (HYDRAULIC PUMP)														1		
	5139376	ADAPTOR (HYDRAULIC PUMP) (12.5020)				1												
	5130822	WASHER, RETAINING (5.4140)										1						
	103196	STUD, 3/8"X1 9/16" (12.9117)		2														
	103197	STUD, 3/8"X1 13/16" (12.9117)					2											
	179839	BOLT, 3/8"-16X1" (12.9001)										2			2			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)												2				
	179858	BOLT, 7/16"-14X1" (12.9001)			1	1	1					1	1		1			
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		4	4	4						4	4		4			
	103321	LOCKWASHER, 3/8" (12.9200)		2			2					2	2		2			
	117049	NUT, 3/8"-24 (12.9120)		2			2											
1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR																		
	5104506	GASKET, ADAPTOR TO FLYWHEEL HOUSING (12.5021)												1				
	5188755	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)			1	1	1							1				

1.7000B ACCESSORY DRIVE

PART			TYPES													
..FIG ..	NUMBER	NAME AND DESCRIPTION	1 3 8	1 4 0	1 4 7	1 7 0	1 7 1	1 7 3	1 7 4	1 7 5	1 7 6	1 7 8	1 7 9	1 9 0	1 9 1	1 9 2
	1.7623	- GASKET, ACCESSORY DRIVE ADAPTOR (CONT'D)														
	5131396	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)										1		1		
	5168852	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)													1	
	1.7627	- HOUSING, ACCESSORY DRIVE														
	5121050	PLATE (2.2235)							1							
	5120274	NUT, PLUG (5/16"-18 SERRATED) (5.3015)							3							
	1.7630	- PLATE ASSY., ACCESSORY DRIVE														
8A	5170450	PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5140814	SPACER (12.5015)						1	1	1	1			1		1
	5127266	ADAPTOR (2.2220)							1	1						
	9409035	BOLT, 3/8"-24X1" LOCK (12.9001)							2							
8A	5145092	BOLT, 3/8"-24 X 1.20" LOCK (12.5015)	4	4		4	4			4	4	4	4	4	3	4
8A	5145091	BOLT, 3/8"-24X1.38" (12.5015)			3			4								
	1.7633	- RETAINER, CAM OR BALANCE GEAR														
	5122922	RETAINER (1.7207)								3						
	5108836	STUD, 3/8"-24X1 3/4" (12.9117)			1										1	
	9413533	NUT, 3/8"-24 HEX. THIN (12.9120)			1										1	
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)			1										1	
	1.7635	- COUPLING, ACCESSORY DRIVE														
	5143616	COUPLING (12.5010)			1	1	1					1	1	1	1	
	5144866	COUPLING, HUB (12.4040)														1
	5141773	COUPLING (12.4050)														1
	5102257	FORK (2.2220)							1							
	103375	PIN, 3/32"X1 1/4" (12.4001)					1									1
	180176	BOLT, 1/2"-13X1 3/8"(12.9001)														4
	1.7640	- SHAFT, ACCESSORY DRIVE														
8A	5131130	SHAFT		1				1		1						
	1.7645	- RETAINER ASSY., ACCESSORY DRIVE														
		A RETAINER ASSY. INCLUDES ITEMS IN 1.7650, 1.7655 AND SEAL IN 1.7660.														
8A	5131402	RETAINER ASSY.	1	1				1		1						

1.7000B ACCESSORY DRIVE

PART			TYPES													
FIG	NUMBER	NAME AND DESCRIPTION	1 3 8	1 4 0	1 4 7	1 7 0	1 7 1	1 7 3	1 7 4	1 7 5	1 7 6	1 7 8	1 7 9	1 9 0	1 9 1	1 9 2
1.7650 - LOCKRING, ACCESSORY DRIVE																
8A	9415285	LOCKRING (2.7470)		1				1		1						
1.7655 - BEARING, ACCESSORY DRIVE																
8A	907191	BEARING (5206WX1C)		1				1		1						
1.7660 - SEAL, ACCESSORY DRIVE OIL																
8A	5131329	SEAL		1				1		1						
	5131131	SPACER (1.3665)		1				1		1						
1.7670 - GEAR, ACCESSORY DRIVE																
	5138079	GEAR, HYDRAULIC PUMP DRIVE (12.5030)			1											
	5131401	GEAR, HYDRAULIC PUMP DRIVE (12.5030)											1			
	5131313	GEAR, HYDRAULIC PUMP DRIVE (12.5030)										1		1		
	5168688	GEAR, HYDRAULIC PUMP DRIVE (12.5030)														1
	5139378	GEAR, HYDRAULIC PUMP DRIVE (12.5030)				1										
	5127394	GEAR, HYDRAULIC PUMP DRIVE (12.5030)						1								
	455921	PIN, 1/8"X1 1/2" (3.3063)			1	1										
	5188756	NUT, 1/2"-28 SLOTTED (12.5030)					1									
1.7700 - COVER ASSY., DRIVE																
	5152716	COVER, FUEL PUMP HOLE (3.4223)							1							
	5150193	GASKET (2.2007)							1							
	5118219	BOLT, 5/16"-18 X 7/8" W/SEAL WASHER (2.2001)							3							

1.7000B ACCESSORY DRIVE

PART		TYPES														
FIG	NUMBER	NAME AND DESCRIPTION														
		1 9 3	1 9 8	1 9 9	2 0 0	2 0 1	2 0 2	2 0 3	2 0 4	2 0 5	2 0 6	2 0 7	2 0 8	2 0 9	2 1 0	
	1.7622 - ADAPTOR, ACCESSORY DRIVE															
	5122386 * ADAPTOR (HYDRAULIC PUMP)(12.5020)			AR			AR					AR		AR	AR	
	5131332 ADAPTOR (HYDRAULIC PUMP)(12.5020)				1				1							
	5120828 ADAPTOR (HYDRAULIC PUMP)(12.5020)					1							1			
	5123814 ADAPTOR (HYDRAULIC PUMP)(12.5020)							1								
	5137472 ADAPTOR (HYDRAULIC PUMP)(12.5020)									1						
	5122386 ADAPTOR (HYDRAULIC PUMP)(12.5020)		1								1					
	103196 STUD, 3/8"x1 9/16"(12.9117)			4	2		2		2		2	2		2	2	
	179839 BOLT, 3/8"-16X1"(12.9001)		2			6		6		2			12			
	179858 BOLT, 7/16"-14X1"(12.9001)		1	2	1	1	1			1	1	1		1		
	179882 BOLT, 1/2"-13X1 1/8"(12.9001)		4	8	4	4	4			4	4	4		4		
	103321 LOCKWASHER, 3/8"(12.9200)		2	4	2	6	2	6	2	2	2	2	12		2	
	117049 NUT, 3/8"-24 (12.9120)			4	2		2		2		2	2		2	2	
	* USE "1" ON A THREE AND "2" ON A FOUR.															
	1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR															
	5104506 GASKET, ADAPTOR TO FLYWHEEL HOUSING (1.5040)			2								1				
	5188755 * GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)		AR	AR	AR		AR		AR	AR	AR	AR		AR	AR	
	5111828 GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)					1										
	5168852 GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)							1					2			
	* USE "1" ON A THREE AND "2" ON A FOUR.															
	1.7630 - PLATE ASSY., ACCESSORY DRIVE															
8A	5170450 PLATE	1	1	2	1	1	1	1	1	1	1	1	2	1	1	
	5140814 SPACER (12.5015)	1				1	1	1	1	1	1	1	2	1	1	
8A	5145091 @ BOLT, 3/8"-24X1.38"(12.5015)	4	3	6	3	4	4	4	4	4	3	4	8	AR	4	
	@ USE 4 ON A THREE AND 3 ON A FOUR.															
	1.7633 - RETAINER, CAM OR BALANCE GEAR															
	5108836 STUD, 3/8"-24 X 1 3/4" (12.5015)		1	2	1						1					
	9413533 NUT, 3/8"-24 THIN (12.9120)		1	2	1						1					
	5145431 NUT, 3/8"-24 JAM CAD. (12.4037)		1	2	1						1					
	1.7635 - COUPLING, ACCESSORY DRIVE															
	5144866 COUPLING, HUB (12.4040)	1														
	5141773 COUPLING (12.4050)	1														
	5143616 COUPLING (12.5010)		1	2	1	1	1	1	1	1	1	1	2	1	1	
	103375 PIN, 3/32" X 1 1/4" (12.9250)	1	1	2	1		1		1		1			1		
	180176 BOLT, 1/2"-13X1 3/8" (12.9001)	4														

1.7000B ACCESSORY DRIVE

PART		TYPES														
..FIG ..	NUMBER	NAME AND DESCRIPTION	1 9 3	1 9 8	1 9 9	2 0 0	2 0 1	2 0 2	2 0 3	2 0 4	2 0 5	2 0 6	2 0 7	2 0 8	2 0 9	2 1 0
1.7670 - GEAR, ACCESSORY DRIVE																
5188648		GEAR, HYDRAULIC PUMP DRIVE (12.5030)			2			1				2				
5168688		GEAR, HYDRAULIC PUMP DRIVE (12.5030)				1			1	1					2	
5111829		GEAR, HYDRAULIC PUMP DRIVE (12.5030)					1									
5138079		GEAR, HYDRAULIC PUMP DRIVE (12.5030)									1					
5137403		GEAR, HYDRAULIC PUMP DRIVE (12.5030)											1			
5127394		GEAR, HYDRAULIC PUMP DRIVE (12.5030)		1											1	
5140971		GEAR, HYDRAULIC PUMP DRIVE (12.5030)														1
455921		PIN, 1/8"X1 1/2"(3.3063)									1		1			1
122761		NUT, 1/2"-20 (12.9130)			2	1		1				1				
5188756		NUT, 1/2"-28 SLOTTED (12.5030)	1	2	1			1		1		1			1	

1.7000B ACCESSORY DRIVE

PART
FIG . . . NUMBER NAME AND DESCRIPTION

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION											
		2 1 1	2 1 2	2 1 3	2 1 4	2 1 5	2 1 6	2 1 7	2 1 8	2 1 9	2 2 0	2 2 1	
1.7622 - ADAPTOR, ACCESSORY DRIVE													
	5120828	ADAPTOR (HYDRAULIC PUMP)(12.5020)											
	5123814	ADAPTOR (HYDRAULIC PUMP)(12.5020)											
	5137472	ADAPTOR (HYDRAULIC PUMP)(12.5020)											
	5122386	ADAPTOR (HYDRAULIC PUMP)(12.5020)											
	5137222	ADAPTOR (HYDRAULIC PUMP)(12.5020)											
	5131308	ADAPTOR (HYDRAULIC PUMP)(12.5020)											
	103196	STUD, 3/8"-16-24 X 1 9/16" (12.9117)											
	5162793	STUD, 1/2"X1.76"(6.2115)											
	179839	BOLT, 3/8"-16X1"(12.9001)											
	179858	BOLT, 7/16"-14X1"(12.9001)											
	179882	BOLT, 1/2"-13X1 1/8"(12.9001)											
	103321	* LOCKWASHER, 3/8" (12.9200)											
	103323	LOCKWASHER, 1/2" (12.9200)											
	117049	NUT, 3/8"-24 (12.9120)											
	103028	NUT, 1/2"-20 (12.9120)											
		* USE "6" FOR A SIX AND "2" FOR AN EIGHT.											
1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR													
	5104506	GASKET, ADAPTOR TO FLYWHEEL HOUSING (1.5040)											
	5188755	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)											
	5111828	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)											
	5168852	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)											
	5137221	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)											
	5131396	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)											
1.7630 - PLATE ASSY., ACCESSORY DRIVE													
8A	5170450	PLATE											
	5140814	SPACER (12.5015)											
8A	5145091	BOLT, 3/8"-24X1.38"(12.5015)											
8A	5145092	BOLT, 3/8"-24X1.20"(12.5015)											
1.7633 - RETAINER, CAM OR BALANCE GEAR													
	5108836	STUD, 3/8"-24 X 1 3/4" (12.5015)											
	9413533	NUT, 3/8"-24 HEX. THIN (12.9120)											
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)											

1.7000B ACCESSORY DRIVE

PART		TYPES																	
..FIG	NUMBER	NAME AND DESCRIPTION																	
		2 1 1	2 1 2	2 1 3	2 1 4	2 1 5	2 1 6	2 1 7	2 1 8	2 1 9	2 2 0	2 2 1							
1.7635 - COUPLING, ACCESSORY DRIVE																			
5143616	COUPLING (12.5010)	2	1	1	1	1	1	1	1	1	1	1							
103375	PIN, 3/32"X1 1/4"(12.4001)	2					1					1							
1.7670 - GEAR, ACCESSORY DRIVE																			
5111829	GEAR, HYDRAULIC PUMP DRIVE (12.5030)							1											
5138079	GEAR, HYDRAULIC PUMP DRIVE (12.5030)										1								
5188848	GEAR, HYDRAULIC PUMP DRIVE (12.5030)	2																	
5168688	GEAR, HYDRAULIC PUMP DRIVE (12.5030)			1															
5140971	GEAR, HYDRAULIC PUMP DRIVE (12.5030)		1																
5138709	GEAR, HYDRAULIC PUMP DRIVE (12.5030)				1														
5131313	GEAR, HYDRAULIC PUMP DRIVE (12.5030)					1	1												
455921	PIN, 1/8"X1 1/2"(3.3063)		1		1						1								
122761	NUT, 1/2"-20 (12.9130)	2										1							
5188756	NUT, 1/2"-28 SLOTTED (12.5030)	2					1					1							

1.7000B ACCESSORY DRIVE

PART		TYPES													
..FIG ..	NUMBER	NAME AND DESCRIPTION	2 2 4	2 2 5	2 2 6	2 2 7	2 2 8	2 2 9	2 3 7	2 4 6	2 4 7	2 5 1	2 5 2	2 5 6	2 5 7
1.7605 - PULLEY, ACCESSORY DRIVE															
8921942		PULLEY (4.74" POLY-VEE) (7.1505)	1												
103904		KEY, 3/32"x1/2" WOODRUFF (12.9350)		1											
8927580		BOLT, 3/8"-16X1.015" (12.9001)	1												
5150230		WASHER, 3/8" (12.9190)	1												
103321		LOCKWASHER, 3/8"(12.9200)	1												
1.7609 - BRACKET, ACCESSORY MOUNTING															
216283		BOLT, 7/16"-10X1 3/4"(12.9001)	1												
181675		BOLT, 7/16"-20X2 1/2" CAD. (12.9001)	1												
103322		LOCKWASHER, 7/16"(12.9200)	2												
456939		NUT, 7/16"-20 (12.9120)	2												
1.7612 - PULLEY, ACCESSORY DRIVEN															
5143095		PULLEY (1.90" DIA., POLY-VEE) (7.1500)	1												
5131726		PULLEY (6 1/4" DIA., 2 GROOVES) (1.7605)		1											
5168696		PULLEY (5.50" DIA., 2 GROOVES) (1.7605)			1										
124549		KEY, 3/16"x3/4" WOODRUFF (12.7350)		1	1	1									
272906		NUT, 3/4"-16 LOCK (12.9140)		1	1	1									
1.7622 - ADAPTOR, ACCESSORY DRIVE															
5127266		ADAPTOR (HYDRAULIC PUMP)(12.5020)						1							
5122386		ADAPTOR (HYDRAULIC PUMP)(12.5020)								1					
5137222		ADAPTOR (HYDRAULIC PUMP)(12.5020)									1		1		
5137472		ADAPTOR (HYDRAULIC PUMP)(12.5020)										2			
5131332		ADAPTOR (HYDRAULIC PUMP)(12.5020)												1	
5139376		ADAPTOR (HYDRAULIC PUMP)(12.5020)													1
5104722		ADAPTOR (12.4020)							1						
8927270		STUD, 3/8"x1 9/16"(12.9117)								2					
186622		BOLT, 3/8"-14X1 1/4"(12.9001)												2	2
179839		BOLT, 3/8"-16X1"(12.9001)										4			
9409035		BOLT, 3/8"-24X1" LOCK (12.9001)						2							
179858		BOLT, 7/16"-14X1"(12.9001)		1						1	1	1	1	1	1
179882		BOLT, 1/2"-13X1 1/8"(12.9001)		4						4	4	8	4	4	4
138291		BOLT, 1/2"-13 X 1 1/4" (12.9027)							4						
103321		LOCKWASHER, 3/8"(12.9200)								1		4		2	2
117049		NUT, 3/8"-24 (12.9120)								2					
1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR															
8922443		SEALANT, RTV (3.0 FL. OZ.) (12.8255)									AR				
8922442		SEALANT, RTV (10.3 FL. OZ.) (12.8255)									AR				
5137221		GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)										1		1	
5188755		GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)								1		2		1	1

1.7000B ACCESSORY DRIVE

PART			TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	2 2 4	2 2 5	2 2 6	2 2 7	2 2 8	2 2 9	2 3 7	2 4 6	2 4 7	2 5 1	2 5 2	2 5 6	2 5 7
1.7625 - BELT, ACCESSORY DRIVE															
	5143319	BELT, POLY-VEE 36.00" L. (7.1575)	1												
1.7630 - PLATE ASSY., ACCESSORY DRIVE															
8A	5170450	PLATE		1	1	1	2	1	1	1	1	2		1	1
8A	5140814	SPACER (12.5015)			1			1		1		2			
8A	5145092	BOLT, 3/8"-24X1.20"(12.5015)			4	8			4						4
8A	5145091	BOLT, 3/8"-24X1.38"(12.5015)	4	4						4	4	2	3	3	
1.7633 - RETAINER, CAM OR BALANCE GEAR															
	5108836	STUD, 3/8"-24 X 1 3/4" (12.5015)									1		1	1	
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)									1		1	1	
	9413533	NUT, 3/8"-24 HEX. THIN (12.9120)									1		1	1	
1.7635 - COUPLING, ACCESSORY DRIVE															
	5143616	COUPLING (12.5010)								1	1	2	1	1	1
	2394275	COUPLING (12.4050)							1						
	5144866	COUPLING, HUB (12.4050)							1						
	5102257	FORK (2.2220)						1							
1.7640 - SHAFT, ACCESSORY DRIVE															
8A	5117920	SHAFT	1												
8A	5131130	SHAFT		1	1	1									
	181596	BOLT, 5/16"-24X7/8" CAD. (12.9001)	3												
	103320	LOCKWASHER, 5/16"(12.9200)	3												
1.7645 - RETAINER ASSY., ACCESSORY DRIVE															
A RETAINER ASSY. INCLUDES ITEMS IN 1.7650, 1.7655 AND SEAL IN 1.7660.															
8A	5131402	RETAINER ASSY.		1	1	1									
1.7650 - LOCKRING, ACCESSORY DRIVE															
8A	9415285	LOCK RING (2.7470)		1	1	1									

1.7000B ACCESSORY DRIVE

PART			TYPES												
FIG	NUMBER	NAME AND DESCRIPTION	2 2 4	2 2 5	2 2 6	2 2 7	2 2 8	2 2 9	2 3 7	2 4 6	2 4 7	2 5 1	2 5 2	2 5 6	2 5 7
1.7655 - BEARING, ACCESSORY DRIVE															
8A	907191	BEARING (5206WX1C)		1	1	1									
1.7660 - SEAL, ACCESSORY DRIVE OIL															
8A	5131329	SEAL		1	1	1									
1.7665 - SPACER, ACCESSORY DRIVE OIL SEAL															
	5131131	SEAL		1	1	1									
1.7670 - GEAR, ACCESSORY DRIVE															
	5131401	GEAR, HYDRAULIC PUMP DRIVE (12.5030)												1	
	5138709	GEAR, HYDRAULIC PUMP DRIVE (12.5030)								1		2			1
	8925563	GEAR, HYDRAULIC PUMP DRIVE (12.5030)									1				
	5140971	GEAR, HYDRAULIC PUMP DRIVE (12.5030)											1		
	455921	PIN, 1/8"X1 1/2"(3.3063)								1	1	2	1	1	1
1.7700 - COVER ASSY., DRIVE															
	5152716	COVER, FUEL PUMP HOLE (3.4223)						1							
	5150193	GASKET (2.2007)						1							
	5118219	BOLT, 5/16"-18X7/8" W/SEAL WASHER (2.2001)						3							

1.7000B ACCESSORY DRIVE

PART		TYPES													
..FIG	NUMBER	NAME AND DESCRIPTION	2 6 2	2 6 6	2 6 8	2 6 9	2 7 0	2 7 4	2 8 2	2 8 5	3 0 3	3 0 5	3 0 6	3 0 9	3 1 3
1.7604 - GASKET, ACCESSORY DRIVE															
• FOR TYPE 299 USE TYPE 403.*															
5104506	GASKET (1.5040)	1	1		1	1									
1.7622 - ADAPTOR, ACCESSORY DRIVE															
5122386	ADAPTOR (HYDRAULIC PUMP)(12.5020)			1	1	1			1				1		1
5139376	ADAPTOR (HYDRAULIC PUMP)(12.5020)	1	1							1					
5131332	ADAPTOR (HYDRAULIC PUMP) (12.5020)						1	1			1				
5137472	ADAPTOR (HYDRAULIC PUMP) (12.5020)													1	
103196	STUD, 3/8"-16-24X1 9/16" (12.9117)								2						
186622	BOLT, 3/8"-14X1 1/4" (12.9001)	2						2							
179858	BOLT, 7/16"—14X1" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
179882	BOLT, 1/2"—13X1 1/8" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
103321	LOCKWASHER, 3/8"(12.9200)	AR	AR					AR		2					
117049	NUT, 3/8"-24 (12.9120)									2					
1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR															
5188755	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)	1	1	1	1	1	1	1	1	1		1	1	1	
5137221	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)										1				
5104506	GASKET, ADAPTOR TO FLYWHEEL HOUSING (1.5040)	1					1								
1.7630 - PLATE ASSY., ACCESSORY DRIVE															
8A 5170450	PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8A 5140814	SPACER (12.5015)				1										1
8A 5145092	BOLT, 3/8"-24X1.20"(12.5015)		7	4				4	4	4					
8A 5145091	BOLT, 3/8"—24X1.38" (12.5015)				4	3	4				3	3	3	3	4
1.7633 - RETAINER, CAM OR BALANCE GEAR															
5108836	STUD, 3/8"-24X1 3/4"(12.9117)	1				1					1	1	1	1	
5145431	NUT, 3/8"-24 JAM CAD. (12.4037)	1				1					1	1	1	1	
9413533	NUT, 3/8"-24 HEX. THIN (12.9120)	1				1					1	1	1	1	
1.7635 - COUPLING, ACCESSORY DRIVE															
5143616	COUPLING (12.5010)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5138709	HUB (12.5030)	1													
5137473	HUB (12.5030)	1													
1.7670 - GEAR, ACCESSORY DRIVE															
5137392	GEAR, HYDRAULIC PUMP DRIVE(12.5030)				1	1	1								
5131401	GEAR, HYDRAULIC PUMP DRIVE (12.5030)							1							
5139378	GEAR, HYDRAULIC PUMP DRIVE (12.5030)								1		1	1	1		1
5168688	GEAR, HYDRAULIC PUMP DRIVE (12.5030)													1	

1.7000B ACCESSORY DRIVE

PART		TYPES												
FIG	NUMBER	NAME AND DESCRIPTION												
		2 6 2	2 6 6	2 6 8	2 6 9	2 7 0	2 7 4	2 8 2	2 8 5	3 0 3	3 0 5	3 0 6	3 0 9	3 1 3
	1.7670	GEAR, ACCESSORY DRIVE (CONT'D)												
	5140971	GEAR, HYDRAULIC PUMP DRIVE (12.5030)												
	455921	PIN, 1/8"X1 1/2" (12.9275)												

1.7000B ACCESSORY DRIVE

PART		TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	3 1 4	3 1 6	3 1 7	3 1 9	3 2 8	3 2 9	3 3 2	3 3 3	3 3 7	3 4 2	3 4 7
		1.7622 - ADAPTOR, ACCESSORY DRIVE											
	5137472	ADAPTOR (HYDRAULIC PUMP) (12.5020)	1						1				
	5122386	ADAPTOR (HYDRAULIC PUMP) (12.5020)		2	1	1	1	1				1	1
	5139376	ADAPTOR (HYDRAULIC PUMP) (12.5020)									1		
	103196	STUD, 3/8"-16-24 X 1 9/16" (12.9117)		4	2	2							
	5150362	STUD, 3/8"-16X1 5/8" (5.2020)					2	2				2	2
	179858	BOLT, 7/16"-14 X 1" (12.9001)	1	2	1	1	1	1	1		1	1	1
	179882	BOLT, 1/2"-13 X 1 1/8" (12.9001)	4	8	4	4	4	4	4		4	4	4
	103321	LOCKWASHER, 3/8" (12.9200)		4	2	2	2	2				2	2
	117049	NUT, 3/8"-24 (12.9120)		4	2	2	2	2				2	2
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR											
	5188755	GASKET (HYDRAULIC PUMP TO ADAPTOR) (12.5005)	1	2	1	1	1	1	1			1	1
	5104506	GASKET (ADAPTOR TO FLYWHEEL HOUSING) (1.5040)			1	1	1	1			1		
	5137221	GASKET (HYDRAULIC PUMP TO ADAPTOR) (12.5020)									1		
		1.7630 - PLATE ASSY., ACCESSORY DRIVE											
8A	5170450	PLATE	1	2	1	1	1	1	1	1	1	1	1
	5140814	SPACER (12.5015)	1				1			1	1		1
8A	5145091	BOLT, 3/8"-24 X 1.38" (12.5015)	4	6	3		4	3	3	4	4		3
8A	5145092	BOLT, 3/8"-24 X 1.20" (12.5015)				4						4	
		1.7633 - RETAINER, CAM OR BALANCE GEAR											
	5108836	STUD, 3/8"-24 X 1 3/4" (12.5015)		2	1			1	1				
	9413533	NUT, 3/8"-24 THIN (12.9120)		2	1			1	1				
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)		6	1			1	1				
		1.7635 - COUPLING, ACCESSORY DRIVE											
	5143616	COUPLING (12.5010)	1	2	1	1	1	1	1	1	1	1	1
		1.7670 - GEAR, ACCESSORY DRIVE											
	5168688	GEAR (HYDRAULIC PUMP DRIVE) (12.5030)	1	2									
	5137473	GEAR (HYDRAULIC PUMP DRIVE) (12.5030)					1		1				
	5107387	GEAR (HYDRAULIC PUMP DRIVE) (12.5030)									1		
	5138709	GEAR (HYDRAULIC PUMP DRIVE) (12.5030)						1				1	1
	8922804	RETAINER, GEAR (12.5030)									1		
	103375	PIN, 3/32" X 1 1/4" COT. (12.9250)		2	1	1							
	455921	PIN, 1/8"X1/2" (12.9270)					1	1	1			1	1
	5188756	NUT, 1/2"-28 SLOTTED (12.5030)		2	1	1							
	122761	NUT, 1/2"-20 (12.9130)		2									

1.7000B ACCESSORY DRIVE

PART		TYPES													
FIG	NUMBER	NAME AND DESCRIPTION													
		3 5 3	3 5 4	3 5 5	3 5 7	3 5 8	3 5 9	3 6 2	3 6 3	3 6 4	3 6 8	3 6 9	3 7 0	3 7 1	
1.7622 - ADAPTOR, ACCESSORY DRIVE															
	5137222				1			1			1		1	1	
	5122386		1			1		1							
	5137472			1											
	5139376						1		2	2					
	5131332											1			
	179839	6	6												
	179858			1	1		1	1	2	2	1	1	1	1	
	8921936					1									
	179882			4	4	4	4	4	8	8	4	4	4	4	
	103321	6	6												
1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR															
	5137221	1							2				1		
	5188755		1	1	1	1	1	1		2	1	1	1		
	5104506			1					2						
1.7630 - PLATE ASSY., ACCESSORY DRIVE															
8A	5170450	1	1	1	1	1	1	1	2	2	1	1	1	1	
8A	5140814	1	1	1				1	2		1	1			
8A	5145091	4	4	4	3		3	4	8	6	4	4	3	3	
8A	5145092					4									
1.7633 - RETAINER, CAM OR BALANCE GEAR															
	5108836				1		1			2			1	1	
	5145431				1		1			2			1	1	
	9413533				1		1			2			1	1	
1.7635 - COUPLING, ACCESSORY DRIVE															
	5143616	1	1	1	1	1	1	1	2	2	1	1	1	1	

1.7000B ACCESSORY DRIVE

PART		TYPES													
..FIG ..	NUMBER	NAME AND DESCRIPTION	3 5 3	3 5 4	3 5 5	3 5 7	3 5 8	3 5 9	3 6 2	3 6 3	3 6 4	3 6 8	3 6 9	3 7 0	3 7 1
1.7670 - GEAR, ACCESSORY DRIVE															
5135263	GEAR, HYDRAULIC PUMP DRIVE (12.5030)		1												
5138688	GEAR, HYDRAULIC PUMP DRIVE (12.5030)			1					1						
5138079	GEAR, HYDRAULIC PUMP DRIVE (12.5030)				1										
5111829	GEAR, HYDRAULIC PUMP DRIVE (12.5030)					1									
5138709	GEAR, HYDRAULIC PUMP DRIVE (12.5030)						1								
5107387	GEAR, HYDRAULIC PUMP DRIVE (12.5030)							1		2	2				
5137392	GEAR, HYDRAULIC PUMP DRIVE (12.5030)														1
455921	PIN, 1/8"X1 1/2" (12.9275)			1	1			1		2	2				1
103375	PIN, 3/32"X1 1/4" (12.9275)						1		1						
8922804	RETAINER, GEAR (12.5030)							1		2	2				
5188756	NUT, 1/2"-28 SLOTTED (12.5030)						1		1						
1.7700 - COVER ASSY., DRIVE															
5189590	COVER, HYDRAULIC PUMP						1								
8927270	STUD, 3/8"-16X1 5/8" (12.9117)						2		2						
103321	LOCKWASHER, 3/8" (12.9200)						2		2						
117049	NUT, 3/8"-24 (12.9120)						2		2						

1.7000B ACCESSORY DRIVE

PART		TYPES															
FIG	NUMBER	NAME AND DESCRIPTION	3 7 7	3 9 1	3 9 4	4 0 1	4 0 2	4 0 3									
		1.7622 - ADAPTOR, ACCESSORY DRIVE															
	5131332	ADAPTOR (HYDRAULIC PUMP) (12.5020)		2													
	8928645	ADAPTOR (FUEL PUMP DRIVE) (2.2260)			1												
	5137472	ADAPTOR (HYDRAULIC PUMP) (12.5020)					1										
	5137222	ADAPTOR (HYDRAULIC PUMP) (12.5020)						1									
	940973	BOLT, 1/4"-20X5/8" (12.9001)			2												
	179858	BOLT, 7/16"-14X1" (12.9001)		2			1	1									
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		8			4	4									
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR															
	5188755	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)		2			1										
	5137221	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)						1									
		1.7630 - PLATE ASSY., ACCESSORY DRIVE															
8A	5170450	PLATE	1	2		1	1	1									
8A	5145092	BOLT, 3/8"-24X1.20" (12.5015)	4			4	4	4									
8A	5145091	BOLT, 3/8"-24X1.38" (12.5015)		6													
		1.7633 - RETAINER, CAM OR BALANCE GEAR															
	5108836	STUD, 3/8"-24X1 3/4" (12.5015)		2													
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)		2													
	9413533	NUT, 3/8"-24 HEX. THIN (12.9120)		2													
		1.7635 - COUPLING, ACCESSORY DRIVE															
	8926387	COUPLING	1														
	5143616	COUPLING (12.5010)		2		1	1	1									
		1.7640 - SHAFT, ACCESSORY DRIVE															
	5131130	SHAFT	1														
	8928543	WOODRUFF KEY, 3/16"X3/4" (12.9350)															
	272906	NUT, 3/4"-16 LOCK (12.9140)	1														
		1.7643 - HUB, ACCESSORY DRIVE GEAR															
	5125774	HUB, FUEL PUMP DRIVE GEAR (2.2292)				1											
	5126672	SPACER, THRUST OUTER (2.2292)				1											
	5125771	WASHER, THRUST INNER (2.2292)				2											
	9409203	BOLT, 1/2"-13X2 3/4" (12.9001)				1											
		1.7645 - RETAINER ASSY., ACCESSORY DRIVE															
	5131402	RETAINER ASSY. (INCLUDES ITEMS IN 1.7645, 1.7655, 1.7656 AND 1.7660)															
	5131129	RETAINER	1														

1.7000B ACCESSORY DRIVE

PART		TYPES														
FIG	NUMBER	NAME AND DESCRIPTION	377	391	394	401	402	403								
		1.7655 - BEARING, ACCESSORY DRIVE														
	907191	BEARING	1													
		1.7656 - RETAINER, ACCESSORY DRIVE BEARING														
	9415285	RETAINER (2.7470)	1													
		1.7660 - SEAL, ACCESSORY DRIVE OIL														
	5131329	SEAL, OIL	1													
		1.7665 - SPACER, ACCESSORY DRIVE OIL SEAL														
	5131131	SPACER	1													
		1.7670 - GEAR, ACCESSORY DRIVE														
	5107088	GEAR, FUEL PUMP DRIVE (2.2290)			1											
	5138079	GEAR, HYDRAULIC PUMP DRIVE (12.5030)					1									
	5140971	GEAR, HYDRAULIC PUMP DRIVE (12.5030)						1								
	455921	PIN, 1/8"X1 1/2" (12.9275)					1	1								

1.8000 VALVE AND INJECTOR OPERATING MECHANISM

PART			TYPES											
..FIG	..NUMBER	NAME AND DESCRIPTION	2 8	2 9	3 0	3 1	3 2	3 3	4 6	4 7	4 8	5 0	5 7	5 9
		1.8060 - ARM ASSY., EXHAUST VALVE ROCKER												
		INCLUDES ITEMS IN 1.8130, 1.8140, 1.8150 AND 1.8343.												
9A	5119307	ARM ASSY., 2,3,4-53 (LEFT) (ITEM 1) (2 VALVE)	2	3		4								
9A	5119308	ARM ASSY., 2,3,4-53 (RIGHT)(ITEM2) (2 VALVE)	2	3		4								
	5135268	ARM ASSY., 3,4,6,8V53 (RIGHT) (4 VALVE)			3		4	6	6	4	6	8	3	4
	5135267	ARM ASSY., 3,4,6,8V53 (LEFT) (4 VALVE)			3		4	6	6	4	6	8	3	4
		1.8080 - ARM ASSY., INJECTOR ROCKER												
		INCLUDES ITEMS IN 1.8110 THRU 1.8150.												
9A	5179954	ARM ASSY.	2	3	3	4	4	6	6	4	6	8	3	4
		1.8110 - BUSHING INJECTOR ROCKER ARM-LARGE												
9A	5150318	BUSHING	2	3	3	4	4	6	6	4	6	8	3	4
9A	8924355	BUSHING, .0015" U.S. I.D.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.8120 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM-SMALL												
9A	5150311	BUSHING	2	3	3	4	4	6	6	4	6	8	3	4
9A	8924354	BUSHING, .0015" U.S. I.D.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.8130 - CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM												
9A	5150312	CLEVIS	6	9	9	12	12	18	18	12	18	24	9	12
		1.8140 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS												
9A,C	5123700	BUSHING	6	9	15	12	20	30	30	20	30	40	15	20
		1.8150 - PIN, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS												
9A	5150314	PIN (CLEVIS END)	6	9	9	12	12	18	18	12	18	24	9	12
9A,C	5123711	PIN (BRIDGE END)			6		8	12	12	8	12	16	6	8

1.8000 VALVE AND INJECTOR OPERATING MECHANISM

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	2 8	2 9	3 0	3 1	3 2	3 3	4 6	4 7	4 8	5 0	5 7	5 9
1.8160 - SHAFT ASSY., ROCKER														
		A SHAFT ASSY. INCLUDES PLUG IN 1.8160.												
9A	5116072	SHAFT ASSY.	2	3	3	4	4	6	6	4	6	8	3	4
	5151272	PLUG, 11/32" DIA. X 1/4" SPEC.	2	3	3	4	4	6	6	4	6	8	3	4
1.8170 - BRACKET, ROCKER SHAFT														
9A	5116128	BRACKET	4	6	6	8	8	12	12	8	12	16	6	8
9A	5119198	BOLT	4	6	6	8	8	12	12	8	12	16	6	8
1.8180 - ROD, PUSH														
9A	5128640	ROD	6	9	9	12	12	18	18	12	18	24	9	12
9A	5151601	LOCKNUT	6	9	9	12	12	18	18	12	18	24	9	12
1.8190 - SPRING, PUSH ROD														
9A	5186858	@ SPRING (VALVE AND INJECTOR)	6	9	9	12	12	18						
9A	5186858	# SPRING (VALVE)	4	6	6	8	8	12						
9A	5108918	# & SPRING (2 ORANGE STRIPES) (INJECTOR)	2	3	3	4	4	6						
9A	5108918	% & SPRING (2 ORANGE STRIPES)(VALVE AND INJECTOR) @ THRU 2D-13452, 3D-3791, 4D-5322, 6D-1076. # EFFECTIVE WITH 2D-13453, 3D-3792, 4D-5323, 6D-1077 AND THRU 2D-14187, 3D-6127, 4D-3548, 6D-2708. & MUST BE USED WITH 5108919 SEAT. % EFFECTIVE WITH 2D-14188, 3D-6128, 4D-8549, 6D-2709.	6	9	9	12	12	18	18	12	18	24	9	12
1.8200 - SEAT, PUSH ROD SPRING-UPPER														
9A	5150302	@ SEAT (VALVE AND INJECTOR)	6	9	9	12	12	18						
9A	5150302	# SEAT (VALVE)	4	6	6	8	8	12						
9A	5108919	# SEAT (INJECTOR)	2	3	3	4	4	6						
9A	5108919	% SEAT (VALVE AND INJECTOR) @ THRU 2D-13452, 3D-3791, 4D-5322, 6D-1076. # EFFECTIVE WITH 2D-13453, 3D-3792, 4D-5323, 6D-1077 AND THRU 2D-14187, 3D-6127, 4D-3548, 6D-2708. % EFFECTIVE WITH 2D-14188, 3D-6128, 4D-8549, 6D-2709.	6	9	9	12	12	18	18	12	18	24	9	12

1.8000 VALVE AND INJECTOR OPERATING MECHANISM

PART			TYPES											
..FIG ..	NUMBER	NAME AND DESCRIPTION	2 8	2 9	3 0	3 1	3 2	3 3	4 6	4 7	4 8	5 0	5 7	5 9
1.8210 - SEAT, PUSH ROD SPRING-LOWER														
9A	5123250	SEAT	6	9	9	12	12	18	18	12	18	24	9	12
1.8250 - RETAINER, PUSH ROD														
9A	5150303	RETAINER (SNAP RING)	6	9	9	12	12	18	18	12	18	24	9	12
1.8260 - FOLLOWER ASSY., CAM														
9A	8924439	FOLLOWER ASSY. (INCLUDES ROLLER SET)	6	9	9	12	12	18	18	12	18	24	9	12
1.8265 - ROLLER SET, CAM FOLLOWER														
INCLUDES ROLLER WITH BUSHING AND PIN.														
	8923814	ROLLER SET (STANDARD)	6	9	9	12	12	18	18	12	18	24	9	12
1.8300 - GUIDE, CAM FOLLOWER														
9A	5116125	GUIDE	2	3	3	4	4	6	6	4	6	8	3	4
9A	138201	BOLT, 1/4"-20 X 3/4" SKT. HD. (12.9001)									12			
9A	443603	BOLT, 1/4"-20X3/4"(12.9001)	4	6	6	8	8	12	12	8	12	16	6	8
9A	103319	LOCKWASHER, 1/4"(12.9200)	4	6	6	8	8	12	12	8		16	6	8
1.8310 - VALVE, EXHAUST														
9B	5195948	VALVE, 2,3,4-53 (INCLUDES LOCKS)	4	6		8								
9C	5199323	VALVE, 3,4,6,8V53 (INCLUDES LOCKS)					16	24		16		32		
	5197176	VALVE, 3,4-53 (INCLUDES LOCKS)			12				24		24			16
9B	5198429	VALVE, 3-53											12	
1.8320 - GUIDE, EXHAUST VALVE														
A VALVE GUIDE KIT INCLUDES 1-5131961 GUIDE AND 1-8921741 SEAL. INSTALLER (PKG.) CONSISTS OF 100 PIECES.														

1.8000 VALVE AND INJECTOR OPERATING MECHANISM

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	2 8	2 9	3 0	3 1	3 2	3 3	4 6	4 7	4 8	5 0	5 7	5 9
1.8320 - GUIDE, EXHAUST VALVE (CONT'D)														
2A,9B	5129919	GUIDE	4	6		8								
9C	5131961	GUIDE			12		16	24	24	16	24	32	12	16
	5198529	KIT, VALVE GUIDE AND SEAL			12		16	24	24	16	24	32	12	16
	8921741	SEAL, VALVE GUIDE (USE WITH 5131961)			12		16	24	24	16	24	32	12	16
	5129920	SEAL, VALVE GUIDE (USE WITH 5119992)	4	6		8								
	5199912	INSTALLER, EXHAUST VALVE SEAL (4 VALVE)			AR		AR	AR	AR	AR	AR	AR	AR	AR
	5199913	INSTALLER, EXHAUST VALVE SEAL (2 VALVE)	AR	AR		AR								
1.8330 - INSERT, EXHAUST VALVE														
9B	5116196	INSERT (STANDARD)	4	6		8								
9B	5196751	INSERT (.010" OVERSIZE ON O.D.)	AR	AR		AR								
9C	5116361	INSERT (STANDARD)			12		16	24	24	16	24	32		16
9C	5196752	INSERT (.010" OVERSIZE ON O.D.)			AR		16	AR	AR	AR	AR	AR	12	AR
	5131614	INSERT (4 VALVE MULTIFUEL)					16							
1.8340 - SPRING, EXHAUST VALVE														
9B	5116140	SPRING	4	6		8								
9C	5144019	# * SPRING (RED AND GREEN STRIPE)			12		16	24	24	16	24	32	12	16
9C	5147424	% = SPRING (BLUE AND WHITE STRIPE)			12		16	24	24					
		* THRU 6D-60776 FOR ENGINES EQUIPPED WITH 5126933 AND 5126934 CAMSHAFTS (STAMPED "V-7") OR 5135902 AND 5135 903 CAMSHAFTS (STAMPED "V").												
		= USE EFFECTIVE WITH 6D-60777 FOR ENGINES EQUIPPED WITH 5199396 AND 5199397 CAMSHAFTS (STAMPED "V7L"). REPL ACE BOTH SPRINGS PER BRIDGE (QTY. OF TWO (2)).												
		# 5144019 SPRING MUST BE USED WITH 5126929, 5126930, 5126931 AND 5126932 HI-LIFT CAMSHAFTS ON 4 VALVE ENGIN ES.												
		% 5147424 SPRING MUST BE USED WITH 5149091, 5149093, 5149095 AND 5149097 LO-LIFT CAMSHAFTS ON 4 VALVE ENGIN ES.												
1.8343 - BRIDGE, EXHAUST VALVE														
9C	5122446	? BRIDGE			6		8							
9C	5135262	BRIDGE			6		8	12	12	8	12	16	6	8
		? THRU 3D-508, 4D-891, NOT SERVICED, REPLACE WITH 5135268 RH OR 5135267 LH ROCKER ARM ASSY. (1.8060) WHICH INCLUDES 5135262 BRIDGE.												
1.8350 - CAP, EXHAUST VALVE SPRING														
9B	5111338	CAP	4	6		8								
9C	5123330	CAP			12		16	24	24	16	24	32	12	16

1.8000 VALVE AND INJECTOR OPERATING MECHANISM

PART			TYPES											
.FIG	NUMBER	NAME AND DESCRIPTION	2 8	2 9	3 0	3 1	3 2	3 3	4 6	4 7	4 8	5 0	5 7	5 9
1.8360 - SEAT, EXHAUST VALVE SPRING														
9B	5116243	SEAT (TWO VALVE HEAD)	4	3		8								
9C	5111467	@ SEAT (.060" THICK)			12		16	24	24	16	24	32	12	16
	5125922	# SEAT (.150" THICK)			12		16	24		16				
@ USE WHEN REPLACING SEAT ONLY IN 4 VALVE UNITS THRU 3D-056, 4D-317 AND UNITS EFFECTIVE WITH 3D-160, 4D-614 OR WHENEVER REPLACING VALVES IN ANY 4 VALVE UNIT.														
# USE WHEN REPLACING SEAT ONLY IN 4 VALVE UNITS EFFECTIVE WITH 3D-057, 4D-318 AND THRU 3D-159, 4D-613.														
1.8370 - LOCK, EXHAUST VALVE SPRING														
9B	5111337	LOCK (HALVES)	8	12		16								
9C	5116341	LOCK (HALVES)			24		32	48	48	32	48	64	24	32

1.8000 VALVE AND INJECTOR OPERATING MECHANISM

PART			TYPES											
..FIG	NUMBER	NAME AND DESCRIPTION	6 2	6 5	7 2	7 4	7 6	1 2 2	1 2 9	1 4 5	1 6 3	1 6 4	1 6 5	1 6 6
		1.8060 - ARM ASSY., EXHAUST VALVE ROCKER												
		INCLUDES ITEMS IN 1.8130, 1.8140, 1.8150 AND 1.8343.												
9A	5119307	ARM ASSY., 2,3,4-53 (LEFT)(ITEM 1) (2 VALVE)			3	4								
9A	5119308	ARM ASSY., 2,3,4-53 (RIGHT)(ITEM 2) (2 VALVE)			3	4								
	5135268	ARM ASSY., 3,4,6,8V53 (RIGHT) (4 VALVE)	4	6			3	4	3	3	4	6	6	4
	5135267	ARM ASSY., 3,4,6,8V53 (LEFT) (4 VALVE)	4	6			3	4	3	3	4	6	6	4
		1.8080 - ARM ASSY., INJECTOR ROCKER												
		INCLUDES ITEMS IN 1.8110 THRU 1.8150.												
9A	5179954	ARM ASSY.	4	6	3	4	3	4	3	3	4	6	6	4
		1.8110 - BUSHING INJECTOR ROCKER ARM-LARGE												
9A	5150318	BUSHING	4	6	3	4	3	4	3	3	4	6	6	4
9A	8924355	BUSHING, .0015" U.S. I.D.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.8120 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM-SMALL												
9A	5150311	BUSHING	4	6	3	4	3	4	3	3	4	6	6	4
9A	8924354	BUSHING, .0015" U.S. I.D.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.8130 - CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM												
9A	5150312	CLEVIS	12	18	9	12	9	12	9	9	12	18	18	12
		1.8140 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS												
9A,C	5123700	BUSHING	20	30	9	12	15	20	15	15	20	30	30	20
		1.8150 - PIN, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS												
9A	5150314	PIN (CLEVIS END)	12	18	9	12	9	12	9	9	12	18	18	12
9A,C	5123711	PIN (BRIDGE END)	8	12			6	8	6	6	8	12	12	8

1.8000 VALVE AND INJECTOR OPERATING MECHANISM

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	6 2	6 5	7 2	7 4	7 6	1 2 2	1 2 9	1 4 5	1 6 3	1 6 4	1 6 5	1 6 6
1.8160 - SHAFT ASSY., ROCKER														
A SHAFT ASSY. INCLUDES PLUG IN 1.8160.														
9A	5116072	SHAFT ASSY.	4	6	3	4	3	4	3	3	4	6	6	4
	5151272	PLUG	4	6	3	4	3	4	3	3	4	6	6	4
1.8170 - BRACKET, ROCKER SHAFT														
9A	5116128	BRACKET	8	12	6	8	6	8	6	6	8	12	12	8
9A	5119198	BOLT	8	12	6	8	6	8	6	6	8	12	12	8
1.8180 - ROD, PUSH														
9A	5128640	ROD	12	18	9	12	9	12	9	9	12	18	18	12
9A	5151601	LOCKNUT	12	18	9	12	9	12	9	9	12	18	18	12
1.8190 - SPRING, PUSH ROD														
9A	5108918	* @ SPRING (2 ORANGE STRIPES)(VALVE AND INJECTOR)	12	18	9	12	9	12	9	9	12	18	18	12
		* EFFECTIVE WITH 2D-14188, 3D-6128, 4D-8549, 6D-2709.												
		@ MUST BE USED WITH 5108919 SEAT.												
1.8200 - SEAT, PUSH ROD SPRING-UPPER														
9A	5108919	* SEAT (VALVE AND INJECTOR)	12	18	9	12	9	12	9	9	12	18	18	12
		* EFFECTIVE WITH 2D-14188, 3D-6128, 4D-8549, 6D-2709.												
1.8210 - SEAT, PUSH ROD SPRING-LOWER														
9A	5123250	SEAT	12	18	9	12	9	12	9	9	12	18	18	12
1.8250 - RETAINER, PUSH ROD														
9A	5150303	RETAINER (SNAP RING)	12	18	9	12	9	12	9	9	12	18	18	9
1.8260 - FOLLOWER ASSY., CAM														
9A	8924439	FOLLOWER ASSY. (INCLUDES ROLLER SET)	12	18	9	12	9	12	9	9	12	18	18	9

1.8000 VALVE AND INJECTOR OPERATING MECHANISM

PART			TYPES											
FIG	NUMBER	NAME AND DESCRIPTION	6 2	6 5	7 2	7 4	7 6	1 2 2	1 2 9	1 4 5	1 6 3	1 6 4	1 6 5	1 6 6
1.8265 - ROLLER SET, CAM FOLLOWER														
INCLUDES ROLLER WITH BUSHING AND PIN.														
	8923814	ROLLER SET (STANDARD)	12	18	9	12	9	12	9	9	12	18	18	12
1.8300 - GUIDE, CAM FOLLOWER														
9A	5116125	GUIDE	4	6	3	4	3	4	3	3	4	6	6	3
9A	443603	BOLT, 1/4"-20X3/4"(12.9001)	8	12	6	8	6	8	6	6	8	12	12	6
9A	103319	LOCKWASHER, 1/4"(12.9200)	8	12	6	8		8	6	6	8	12	12	6
9A	103321	LOCKWASHER, 3/8"(12.9200)					6							
1.8310 - VALVE, EXHAUST														
9B	5195948	VALVE, 2,3,4-53 (INCLUDES LOCKS)			6	8								
9C	5199323	VALVE, 3,4,6,8V53 (INCLUDES LOCKS)		24				16	12	12	16	24		
	5197176	VALVE, 3,4-53 (INCLUDES LOCKS)	16				12						24	12
1.8320 - GUIDE, EXHAUST VALVE														
A VALVE GUIDE KIT INCLUDES 1-5131961 GUIDE AND 1-8921741 SEAL. INSTALLER (PKG.) CONSISTS OF 100 PIECES.														
2A,9B	5129919	GUIDE (2 VALVE)			6	8								
9C	5131961	GUIDE (4 VALVE)	16	24			12	16	12	12	16	24	24	12
	5198529	KIT, VALVE GUIDE AND SEAL	16	24			12	16	12	12	16	24	24	12
	8921741	SEAL, VALVE GUIDE (USE WITH 5131961) (4 VALVE)	16	24			12	16	12	12	16	24	24	12
	5129920	SEAL, VALVE GUIDE (USE WITH 5119992) (2 VALVE)			6	8								
	5199912	INSTALLER, EXHAUST VALVE SEAL (4 VALVE)	AR	AR			AR	AR	AR	AR	AR	AR	AR	AR
	5199913	INSTALLER, EXHAUST VALVE SEAL (2 VALVE)			AR	AR								
1.8330 - INSERT, EXHAUST VALVE														
9B	5116196	INSERT (STANDARD) (2 VALVE)			6	8								
9C	5116361	INSERT (STANDARD) (4 VALVE)		24			12	16	12	12	16	24	24	12
	5131614	INSERT (MULTIFUEL) (4 VALVE)	16											
9C	5196752	INSERT (.010" OVERSIZE ON O.D.) (4 VALVE)	AR	AR			AR	AR	AR	AR	AR	AR	AR	AR
9B	5196751	INSERT (.010" OVERSIZE ON O.D.) (2 VALVE)			AR	AR								
1.8340 - SPRING, EXHAUST VALVE														
9B	5116140	SPRING (2 VALVE)			6	8								
	5147424	% =+ SPRING (BLUE AND WHITE STRIPE)	16				16		12		24			
9C	5144019	# * SPRING (RED AND GREEN STRIPE)	16	24			12		12		16		24	12