



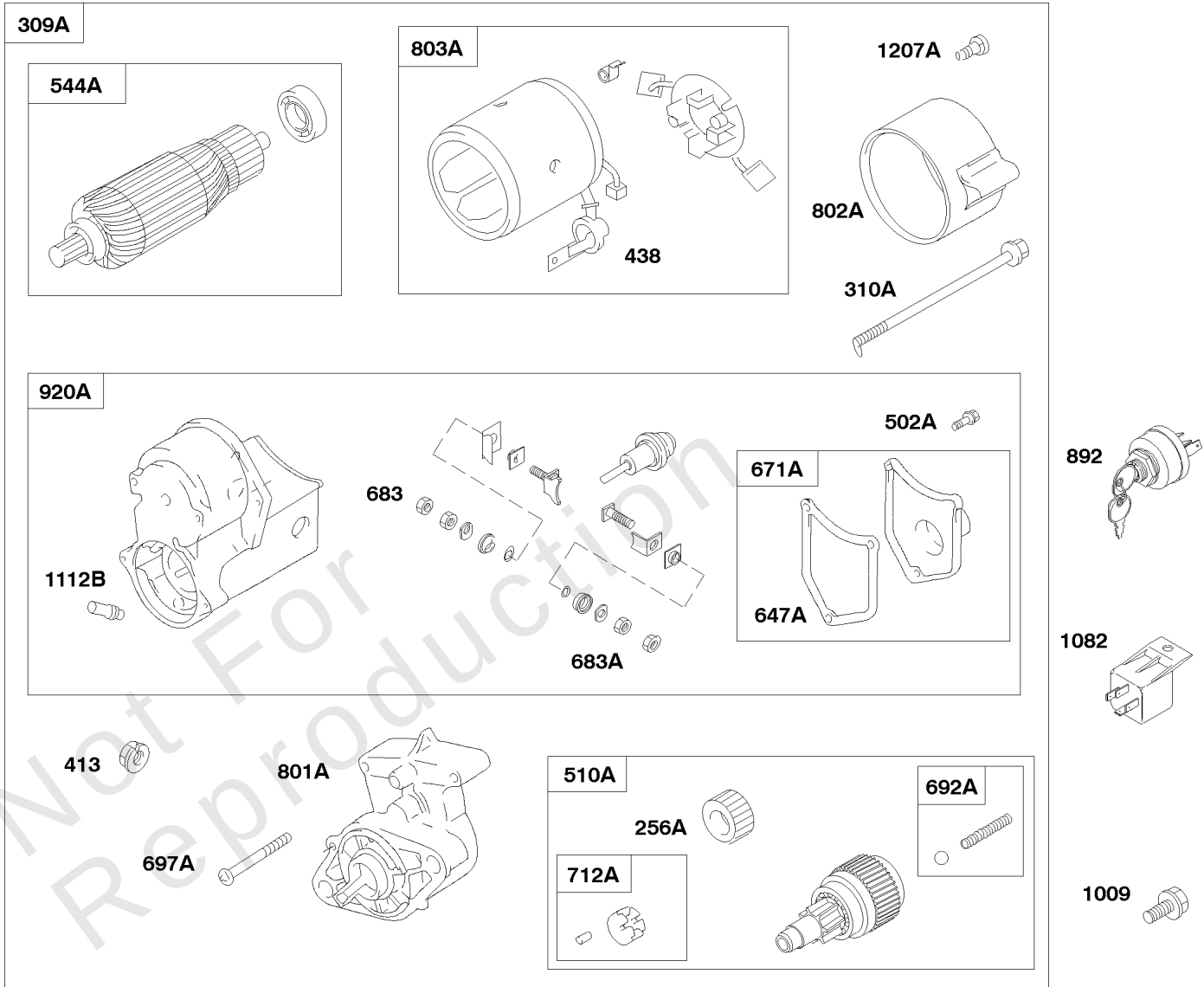
Parts Manual

Mfg. No: 582447-0222-E2

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1.0KW BLUE/GREEN LABEL



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
256A	820745	Gear-Starter Drive	510A	825394	Drive-Starter	697A	820751	Screw (Drive Cap)
309A		Motor-Starter	544A	825392	Armature-Starter	712A	825424	Roller-Clutch
		(For Replacement, Order Starter Motor, 825700, Reference 309)	647A	820733	Gasket-Solenoid Cover	801A	825396	Cap-Drive
310A	820755	Screw (Starter Motor)	671A	825400	Cover-Solenoid	802A	820743	Cap-End
413	820067	Nut (Starter Motor)	683	820723	Nut (Starter Solenoid) (Terminal)	803A	825399	Housing-Starter
438	820725	Boot-Terminal	683A	820721	Nut (Starter Solenoid) (Terminal)	892	692318	Switch-Key
502A	820739	Screw (Solenoid Cover)	692A	825425	Detent-Spring	920A	825398	Solenoid-Starter
						1009	820019	Screw (Starter Motor)
						1082	820455	Relay-Starter
						1112B	820737	Plug-Vent
						1207A	820754	Screw (End Cap)

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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Assemblies include all parts shown in frames.

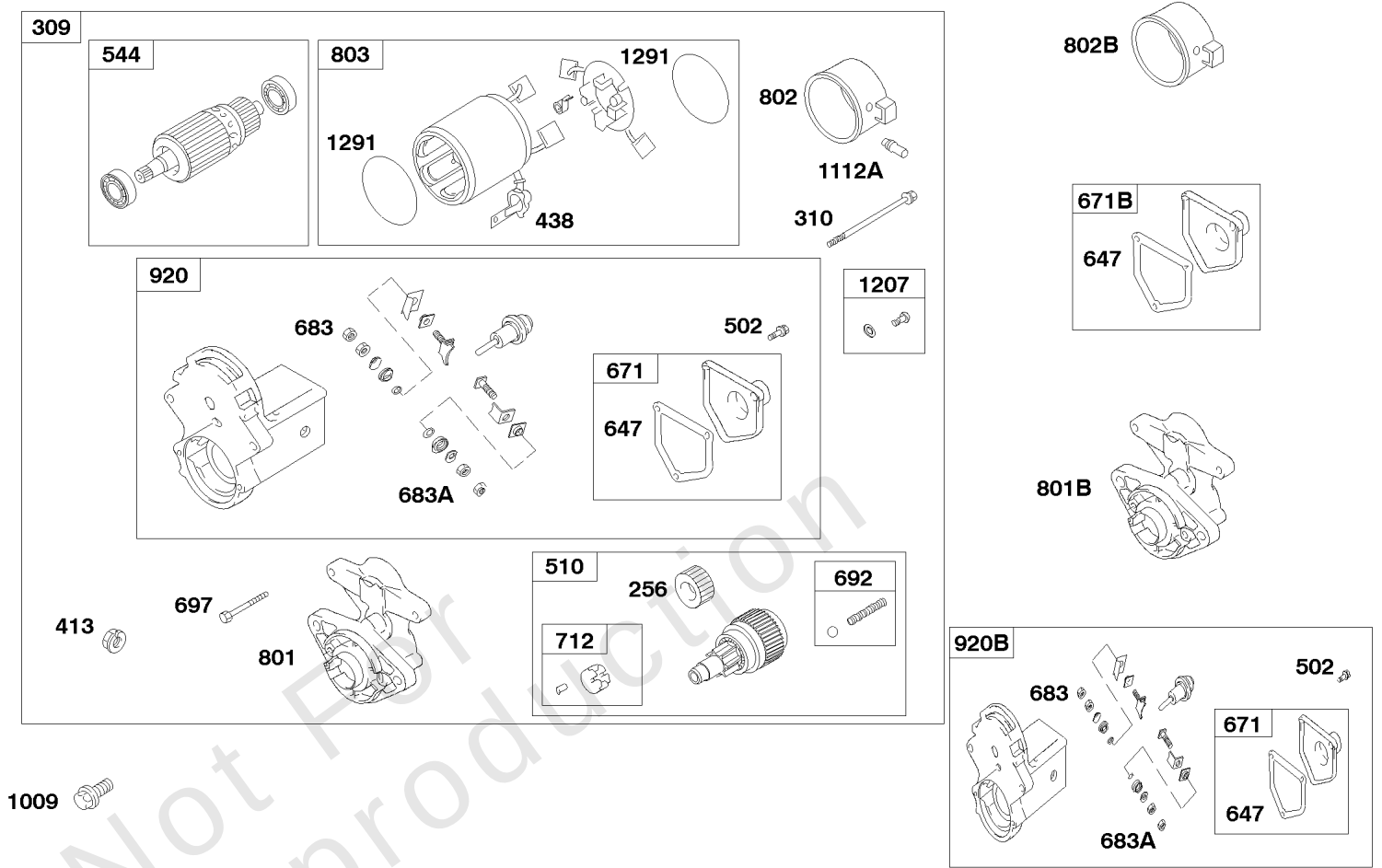
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1.0 KW Electric Starter

REF NO	PART NO	QTY	DESCRIPTION
256A	820745		GEAR, Starter Drive
309A	-----		Motor-Starter -(For Replacement, Order Starter Motor, 825700, Reference 309)
310A	820755		SCREW -(Starter Motor)
413	820067		NUT -(Starter Motor)
438	820725		BOOT, Terminal
502A	820739		SCREW -(Solenoid Cover)
510A	825394		DRIVE, Starter
544A	825392		ARMATURE, Starter
647A	820733		GASKET, Solenoid Cover
671A	825400		COVER, Solenoid
683	820723		NUT -(Starter Solenoid) (Terminal)
683A	820721		NUT -(Starter Solenoid) (Terminal)
692A	825425		SPRING, Detent
697A	820751		SCREW -(Drive Cap)
712A	825424		ROLLER, Clutch
801A	825396		CAP, Drive
802A	820743		CAP, End
803A	825399		HOUSING, Starter
892	692318		SWITCH, Key
920A	825398		SOLENOID, Starter
1009	820019		SCREW -(Starter Motor)
1082	820455		RELAY, Starter
1112B	820737		PLUG, Vent
1207A	820754		SCREW -(End Cap)

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1.2KW PURPLE/BROWN LABEL



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
256	820767	Gear-Starter Drive	683	820723	Nut (Starter Solenoid) (Terminal)	803	825423	Housing-Starter
309	825700	Motor-Starter	683A	820721	Nut (Starter Solenoid) (Terminal)	920	825702	Solenoid-Starter (Used After Code Date 05022800).
310	820773	Screw (Starter Motor)	692	825402	Detent-Spring	920B	825410	Solenoid-Starter (Used Before Code Date 05030100).
413	820067	Nut (Starter Motor)	697	820777	Screw (Drive Cap)	1009	820019	Screw (Starter Motor)
438	820725	Boot-Terminal	712	825401	Roller-Clutch	1112A	820779	Plug-Vent
502	820763	Screw (Solenoid Cover)	801	821228	Cap-Drive (Used After Code Date 05022800).	1207	820775	Screw (End Cap)
510	825406	Drive-Starter	801B	825408	Cap-Drive (Used Before Code Date 05030100).	1291	820769	Seal-O Ring (Starter Housing)
544	825404	Armature-Starter	802	821231	Cap-End (Used After Code Date 05022800).			
647	820719	Gasket-Solenoid Cover	802B	820771	Cap-End (Used Before Code Date 05030100).			
671	825703	Cover-Solenoid (Used After Code Date 05022800).						
671B	825422	Cover-Solenoid (Used Before Code Date 05030100).						

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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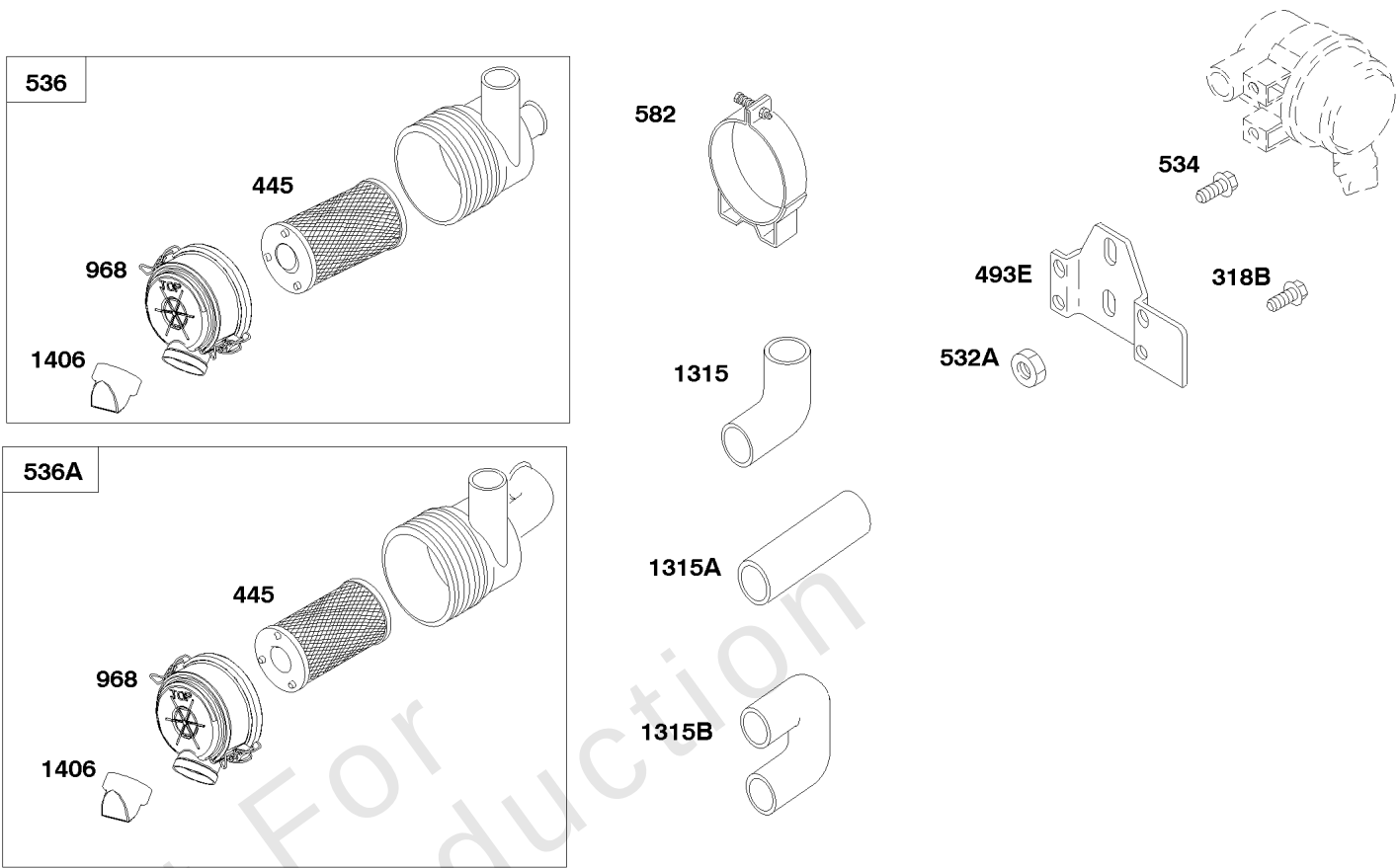
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1.2 KW Electric Starter

REF NO	PART NO	QTY	DESCRIPTION
256	820767		GEAR, Starter Drive
309	825700		MOTOR, Starter -(1.2 KW)(Purple/Brown Label)
310	820773		SCREW -(Starter Motor)
413	820067		NUT -(Starter Motor)
438	820725		BOOT, Terminal
502	820763		SCREW -(Solenoid Cover)
510	825406		DRIVE, Starter
544	825404		ARMATURE, Starter
647	820719		GASKET, Solenoid Cover
671	825703		COVER, Solenoid -Used After Code Date 05022800
671B	825422		COVER, Solenoid -Used Before Code Date 05030100
683	820723		NUT -(Starter Solenoid) (Terminal)
683A	820721		NUT -(Starter Solenoid) (Terminal)
692	825402		SPRING, Detent
697	820777		SCREW -(Drive Cap)
712	825401		ROLLER, Clutch
801	821228		CAP, Drive -Used After Code Date 05022800
801B	825408		CAP, Drive -Used Before Code Date 05030100
802	821231		CAP, End -Used After Code Date 05022800
802B	820771		CAP, End -Used Before Code Date 05030100
803	825423		HOUSING, Starter
920	825702		SOLENOID, Starter -Used After Code Date 05022800
920B	825410		SOLENOID, Starter -Used Before Code Date 05030100
1009	820019		SCREW -(Starter Motor)
1112A	820779		PLUG, Vent
1207	820775		SCREW -(End Cap)
1291	820769		SEAL, O-Ring -(Starter Housing)

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
318B	820212	Screw (Mounting Bracket)	534	820273	Screw (Air Cleaner)	1315	820554	Hose-Air Cleaner
445	820263	Filter-Air Cleaner Cartridge	536	825117	Cleaner-Air (4" Straight)	1315A	820555	Hose-Air Cleaner
493E	820195	Bracket-Mounting (Air Cleaner)	536A	825118	Cleaner-Air (4 " 90 Degree Elbow)	1315B	820556	Hose-Air Cleaner
532A	820070	Nut (Mounting Bracket)	582	820230	Clamp-Air Cleaner	1406	842623	Valve-Debris
			968	842620	Cover-Air Cleaner			

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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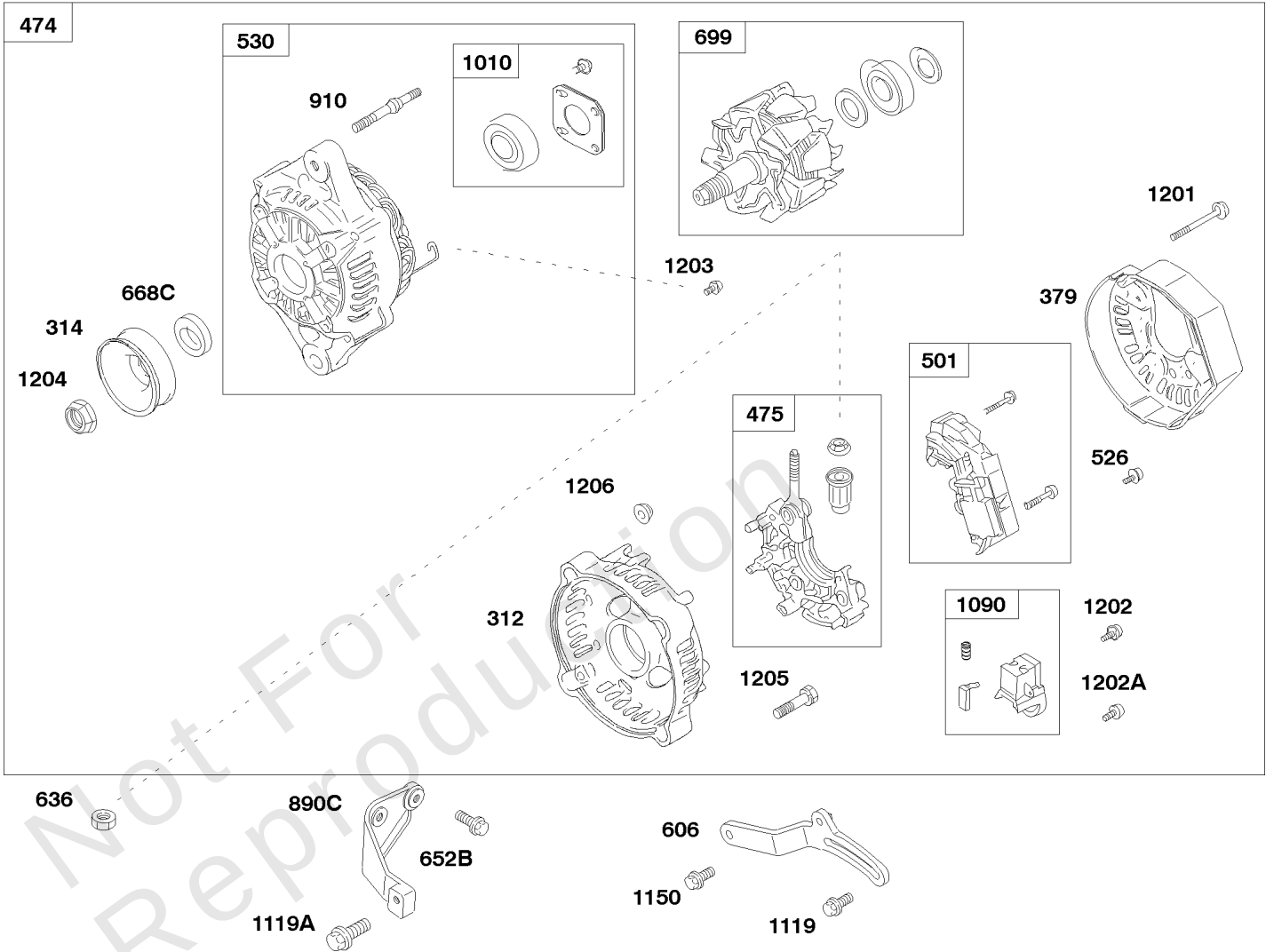
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Air Cleaner, Hoses

REF NO	PART NO	QTY	DESCRIPTION
318B	820212		SCREW -(Mounting Bracket)
445	820263		FILTER, A/C Cartridge
532A	820070		NUT -(Mounting Bracket)
534	820273		SCREW -(Air Cleaner)
536	825117		CLEANER, Air -(4 Inch Straight)
536A	825118		CLEANER, Air -(4 Inch 90 Degree Elbow)
582	820230		CLAMP, Air Cleaner
968	842620		COVER, Air Cleaner
1315	820554		HOSE, Air Cleaner
1315A	820555		HOSE, Air Cleaner
1315B	820556		HOSE, Air Cleaner
1406	842623		VALVE, Debris

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40 AMP



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
312	820692	Housing-Brush End	668C	820713	Spacer (Alternator)	1201	820715	Screw (Brush Cover)
314	820711	Pulley-Alternator	699	825390	Rotor Assembly	1202	820701	Screw (Brush Retainer)
379	820703	Cover-Brush	890C	820213	Bracket-Support	1202A	820702	Screw (Brush Retainer)
474	825084	Alternator	910	820690	Stud (Alternator)	1203	820702	Screw (Stator Wire)
475	825385	Rectifier	1010	825384	Retainer-Bearing	1204	820705	Nut (Alternator Pulley)
501	825388	Regulator	1090	825387	Retainer-Brush	1205	820707	Screw (Brush End Housing)
526	820702	Screw (Rectifier)	1119	820343	Screw (Alternator)	1206	820709	Nut (Brush End Housing)
530	825383	Housing-Drive End	1119A	820270	Screw (Alternator)			
606	820819	Strap-Adjusting	1150	820023	Screw (Adjusting Strap)			
636	820069	Nut (Starting Switch)						
652B	820275	Screw (Support Bracket)						

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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Assemblies include all parts shown in frames.

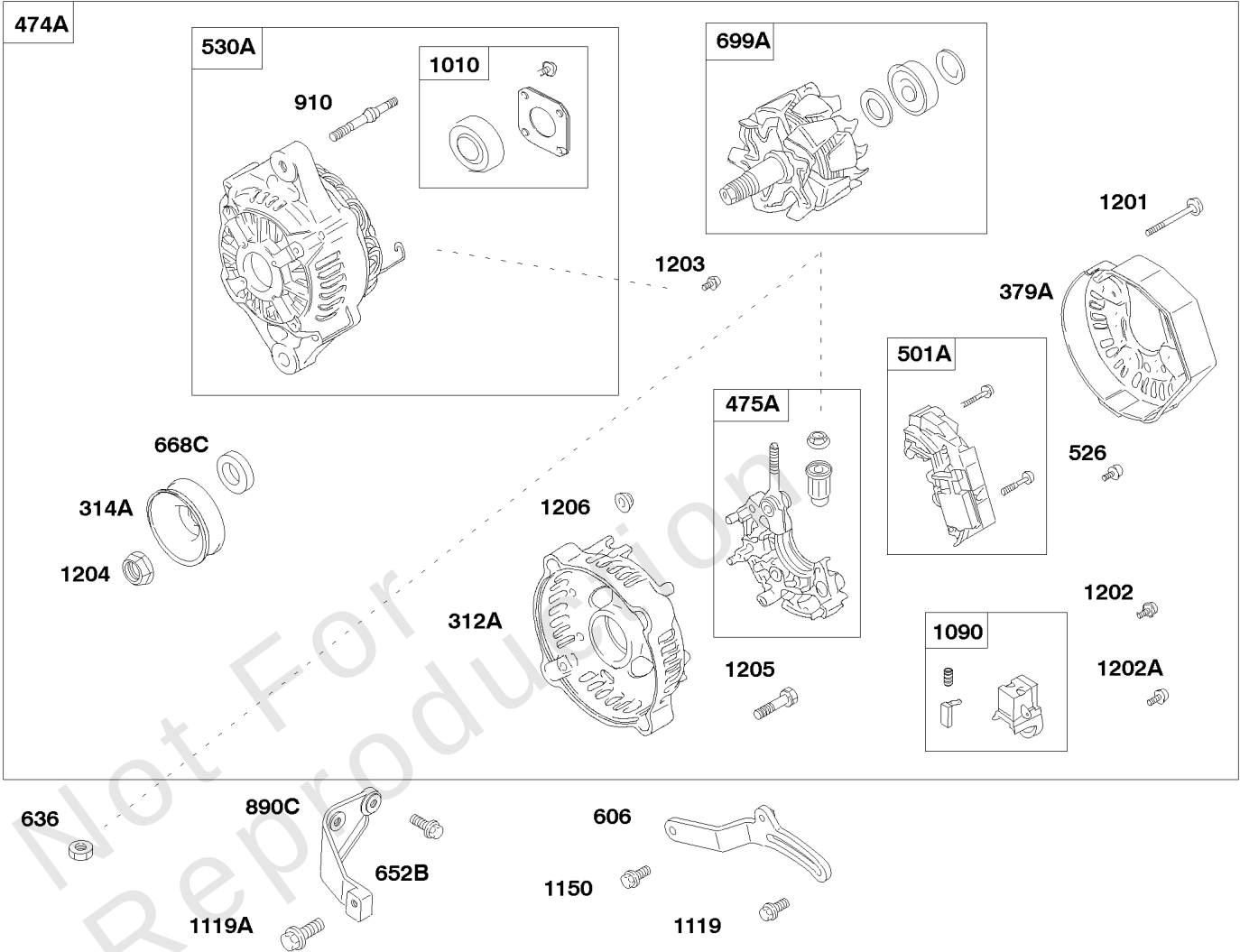
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Alternator - 40 Amp

REF NO	PART NO	QTY	DESCRIPTION
312	820692		HOUSING, Brush End
314	820711		PULLEY, Alternator
379	820703		COVER, Brush
474	825084		ALTERNATOR -(40 Amp)
475	825385		RECTIFIER
501	825388		REGULATOR
526	820702		SCREW -(Regulator)
530	825383		HOUSING, Drive End
606	820819		STRAP, Adjusting
636	820069		NUT -(Starting Switch)
652B	820275		SCREW -(Support Bracket)
668C	820713		SPACER -(Alternator)
699	825390		ROTOR ASSEMBLY
890C	820213		BRACKET, Support
910	820690		STUD -(Alternator)
1010	825384		RETAINER, Bearing
1090	825387		RETAINER, Brush
1119	820483		SCREW -(Alternator)
1119A	820270		SCREW -(Alternator)
1150	820023		SCREW -(Adjusting Strap)
1201	820715		SCREW -(Brush Cover)
1202	820701		SCREW -(Brush Retainer)
1202A	820702		SCREW -(Brush Retainer)
1203	820702		SCREW -(Stator Wire)
1204	820705		NUT -(Alternator Pulley)
1205	820707		SCREW -(Brush End Housing)
1206	820709		NUT -(Brush End Housing)

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60 AMP



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
312A	821058	Housing-Brush End (Used After Code Date 0111300). ----- Note ----- 820904 Housing-Brush End (Used Before Code Date 01120100).		825484	Housing-Drive End (Used Before Code Date 01120100).	1119A	820270	Screw (Alternator)
314A	820900	Pulley-Alternator	606	820819	Strap-Adjusting	1150	820023	Screw (Adjusting Strap)
379A	820902	Cover-Brush	636	820069	Nut (Starting Switch)	1201	820715	Screw (Brush Cover)
474A	825577	Alternator	652B	820275	Screw (Support Bracket)	1202	820701	Screw (Brush Retainer)
475A	825580	Rectifier	668C	820713	Spacer (Alternator)	1202A	820702	Screw (Brush Retainer)
501A	825581	Regulator	699A	825486	Rotor Assembly	1203	820702	Screw (Stator Wire)
526	820702	Screw (Rectifier)	890C	821062	Bracket-Support	1204	820705	Nut (Alternator Pulley)
530A	825579	Housing-Drive End (Used After Code Date 0111300). ----- Note -----	910	820690	Stud (Alternator)	1205	820707	Screw (Brush End Housing)
			1010	825384	Retainer-Bearing	1206	820709	Nut (Brush End Housing)
			1090	825387	Retainer-Brush			
			1119	820483	Screw (Alternator)			

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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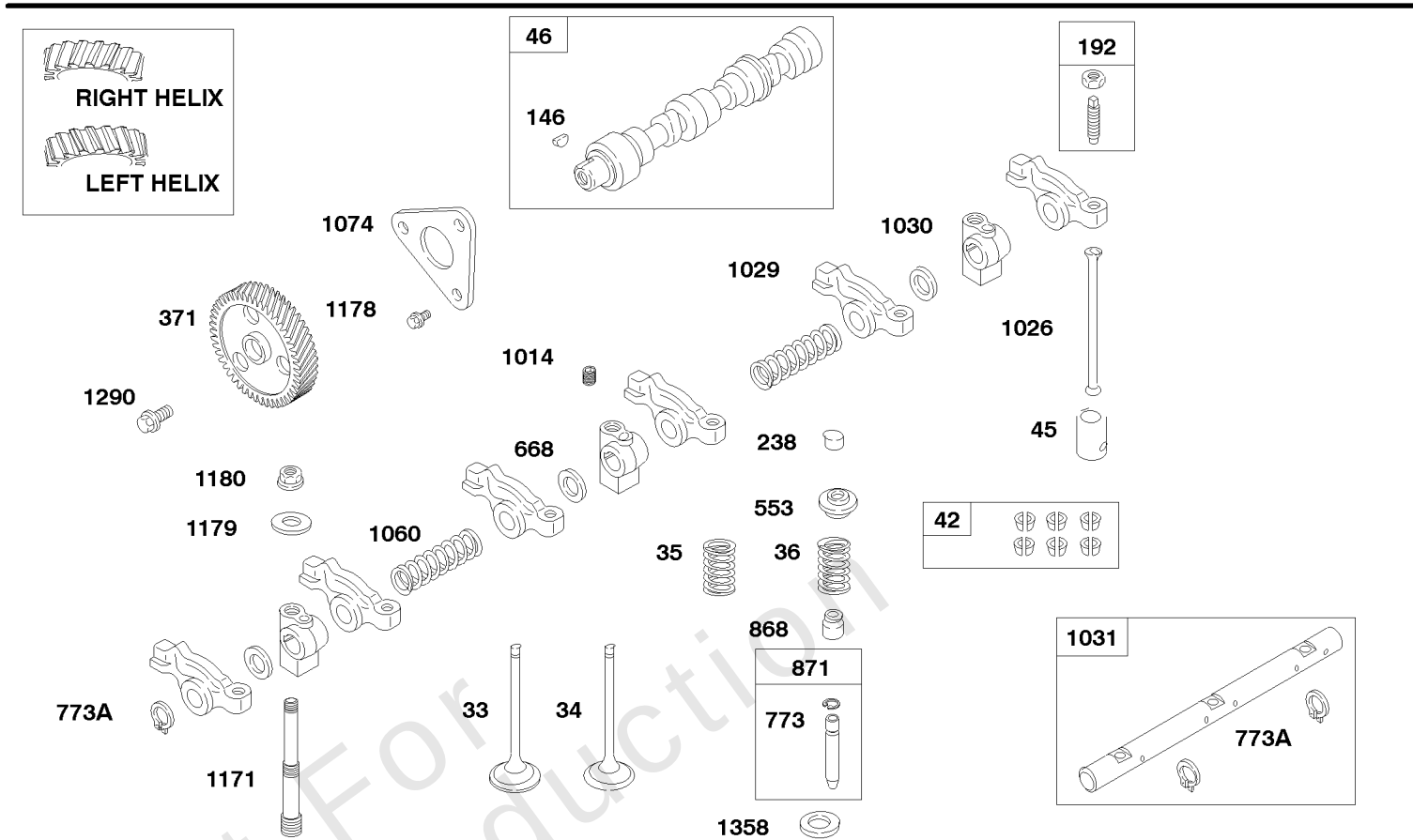
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Alternator - 60 Amp

REF NO	PART NO	QTY	DESCRIPTION
312A	821058		HOUSING, Brush End -Used After Code Date 01113000
312A	820904		HOUSING, Brush End -Used Before Code Date 01120100
314A	820900		PULLEY, Alternator
379A	820902		COVER, Brush
474A	825577		ALTERNATOR -(60 Amp)
475A	825580		RECTIFIER
501A	825581		REGULATOR
526	820702		SCREW -(Regulator)
530A	825484		HOUSING, Drive End -Used Before Code Date 01120100
530A	825579		HOUSING, Drive End -Used After Code Date 01113000
606	820819		STRAP, Adjusting
636	820069		NUT -(Starting Switch)
652B	820275		SCREW -(Support Bracket)
668C	820713		SPACER -(Alternator)
699A	825486		ROTOR ASSEMBLY
890C	820213		BRACKET, Support
910	820690		STUD -(Alternator)
1010	825384		RETAINER, Bearing
1090	825387		RETAINER, Brush
1119	820483		SCREW -(Alternator)
1119A	820270		SCREW -(Alternator)
1150	820023		SCREW -(Adjusting Strap)
1201	820715		SCREW -(Brush Cover)
1202	820701		SCREW -(Brush Retainer)
1202A	820702		SCREW -(Brush Retainer)
1203	820702		SCREW -(Stator Wire)
1204	820705		NUT -(Alternator Pulley)
1205	820707		SCREW -(Brush End Housing)
1206	820709		NUT -(Brush End Housing)

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
33	820404	Valve-Exhaust	371	820613	Gear-Cam (Right Helix) (Used After Code Date 99063100).	871	825030	Bushing-Valve Guide
34	820403	Valve-Intake			----- Note -----	1014	820105	Screw (Rocker Arm Support)
35	820406	Spring-Valve (Intake)			820613 Gear-Cam (Right Helix)	1026	821218	Rod-Push (Used After Code Date 04083100).
36	820406	Spring-Valve (Exhaust)			(Used After Code Date 98123100 and Before Code Date 99070100).			----- Note -----
42	825082	Keeper-Valve			820119 Gear-Cam (Left Helix)	1029	820387	Arm-Rocker
45	820110	Tappet-Valve			(Used Before Code Date 99010100).	1030	820106	Support-Rocker Arm
46	820388	Camshaft				1031	825093	Shaft-Rocker Arm
146	691639	Key-Timing				1060	820044	Spring-Rocker Shaft (Includes 2)
192	825688	Adjuster-Rocker Arm (Used After Code Date 04083100).				1074	820118	Retainer-Camshaft
		----- Note -----				1171	820076	Stud (Rocker Cover)
		825041 Adjuster-Rocker Arm (Used Before Code Date 04090100).				1178	820032	Screw (Camshaft Retainer)
238	821214	Cap-Valve (Used After Code Date 04083100).	553	820111	Retainer-Valve Spring	1179	820177	Washer (Rocker Arm Support)
		----- Note -----	668	820065	Spacer (Rocker Arm Shaft) (Includes 3)	1180	820070	Nut (Rocker Arm Support)
		820113 Cap-Valve (Used Before Code Date 04090100).	773	820130	Retainer (Valve Guide Bushing)	1290	820075	Screw (Cam Gear)
			773A	820003	Retainer (Rocker Arm Shaft)	1358	820112	Seat-Valve Spring
			868	820405	Seal-Valve			

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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Assemblies include all parts shown in frames.

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Camshaft, Rocker Arm

REF NO	PART NO	QTY	DESCRIPTION
33	820404		VALVE, Exhaust
34	820403		VALVE, Intake
35	820406		SPRING, Valve -(Intake)
36	820406		SPRING, Valve -(Exhaust)
42	825082		KEEPER, Valve
45	820110		TAPPET, Valve
46	820388		CAMSHAFT
146	691639		KEY, Woodruff
192	825688		ADJUSTER, Rocker Arm -Used After Code Date 04083100
192	825041		ADJUSTER, Rocker Arm -Used Before Code Date 04090100
238	821214		CAP, Valve -Used After Code Date 04083100
238	820113		CAP, Valve -Used Before Code Date 04090100
371	820613		GEAR, Cam -(Right Helix) -Used After Code Date 99063000
371	820119		GEAR, Cam -(Left Helix) -Used Before Code Date 99010100
553	820111		RETAINER, Valve
668	820065		SPACER -(Rocker Arm Shaft) (Includes 3)
773	820130		RETAINER -(Valve Guide Bushing)
773A	820003		RETAINER -(Rocker Arm Shaft)
868	820405		SEAL, Valve
871	825030		BUSHING, Valve Guide
1014	820105		SCREW -(Rocker Arm Support)
1026	820422		ROD, Push -Used Before Code Date 04090100
1026	821218		ROD, Push -Used After Code Date 04083100
1029	820387		ARM, Rocker
1030	820106		SUPPORT, Rocker Arm
1031	825093		SHAFT, Rocker Arm
1060	820044		SPRING, Rocker Shaft -(Includes 2)
1074	820118		RETAINER, Camshaft
1171	820076		STUD -(Rocker Cover)
1178	820032		SCREW -(Camshaft Retainer)
1179	820177		WASHER -(Rocker Arm Support)
1180	820070		NUT -(Rocker Arm Support)
1290	820075		SCREW -(Cam Gear)
1358	820112		SEAT, Valve Spring

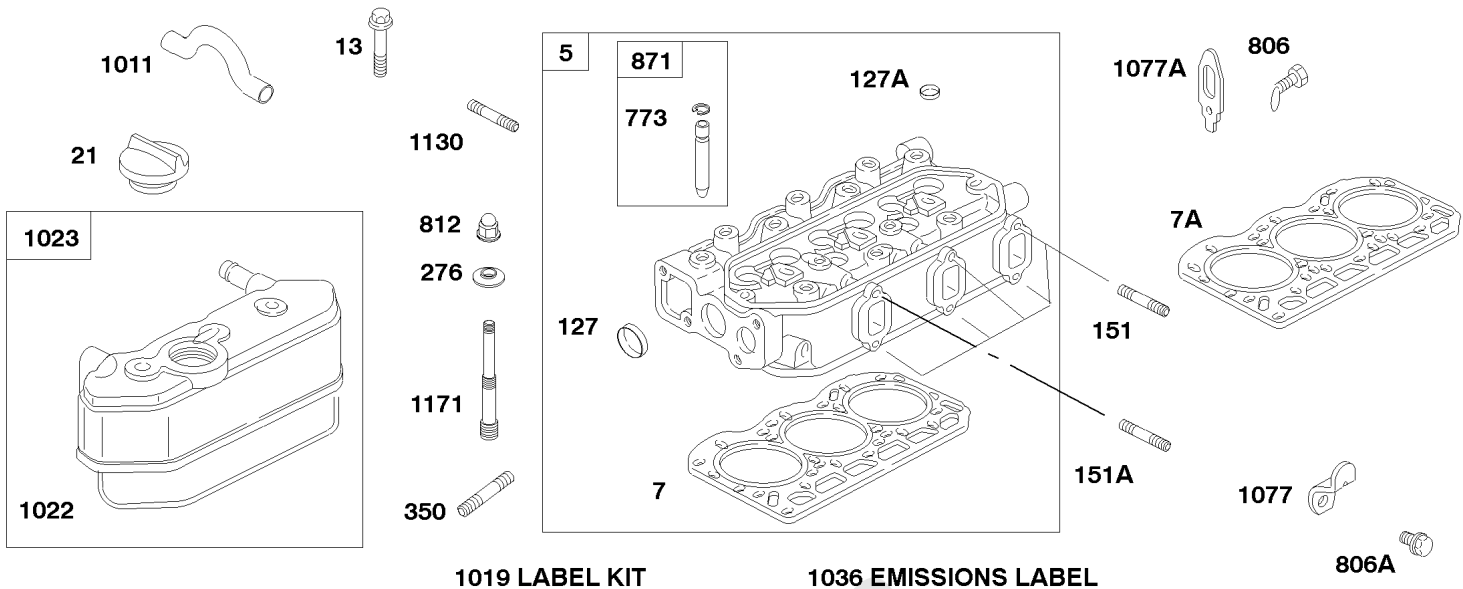
Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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Crankshaft, Idler Gear

REF NO	PART NO	QTY	DESCRIPTION
16	825552		CRANKSHAFT -Used After Code Date 99063000
598	821297		SHIM, End Play -(Crankshaft or Camshaft Bearing) (.005 Oversize)
598	821295		SHIM, End Play -(Crankshaft or Camshaft Bearing) (Standard)
653	820079		SCREW -(Crankshaft Pulley)
718C	820059		PIN, Locating -(Crankshaft)
746	820611		GEAR, Idler -(Right Helix) -Used After Code Date 99063000
900	820116		SHAFT, Gear
1072	820081		SCREW -(Idle Gear Plate)
1073	820117		PLATE, Idle Gear
1075	820123		PULLEY, Crankshaft -(3 Holes)
1075	820236		PULLEY, Crankshaft -(4 Holes)
1355	821291		SET, Main Bearing, Standard
1356	821293		SET, Main Bearing, 010

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
5	825683	Head-Cylinder (9mm Head Bolts) (Used After Code Date 98123100). ----- Note ----- Head-Cylinder (NO LONGER AVAILABLE) (8mm Head Bolts) (Used Before Code Date 99010100). Used on Type No(s). 0105, 0125, 0130, 0131.	21	825024	Cap-Oil Fill	812	820071	Nut (Rocker Cover)
			127	820004	Plug-Welch	871	825030	Bushing-Valve Guide
			127A	820005	Plug-Welch	1011	821003	Tube-Vent
			151	820014	Stud (Exhaust Manifold)	1019	825649	Kit-Label
			151A	820466	Stud (Exhaust Manifold)	1022	820150	Gasket-Rocker Cover
			276	820064	Washer-Sealing (Rocker Cover)	1023	825672	Cover-Rocker
			350	820078	Stud (Water Pump)	1036		Label-Emissions (Available from a Briggs & Stratton Authorized Dealer)
			773	820130	Retainer (Valve Guide Bushing)	1077	820260	Bracket-Lifting
			806	820212	Screw (Lifting Bracket)	1077A	820254	Bracket-Lifting
			806A	820024	Screw (Lifting Bracket)	1130	820015	Stud (Intake Manifold)
7	820660	Gasket-Cylinder Head (Used After Code Date 98123100).				1171	820076	Stud (Rocker Cover)
7A	820351	Gasket-Cylinder Head (Used Before Code Date 99010100).						
13	820623	Screw (Cylinder Head) (9mm) (Used After Code Date 98123100). ----- Note ----- 820074 Screw (Cylinder Head) (8mm) (Used Before Code Date 99010100).						

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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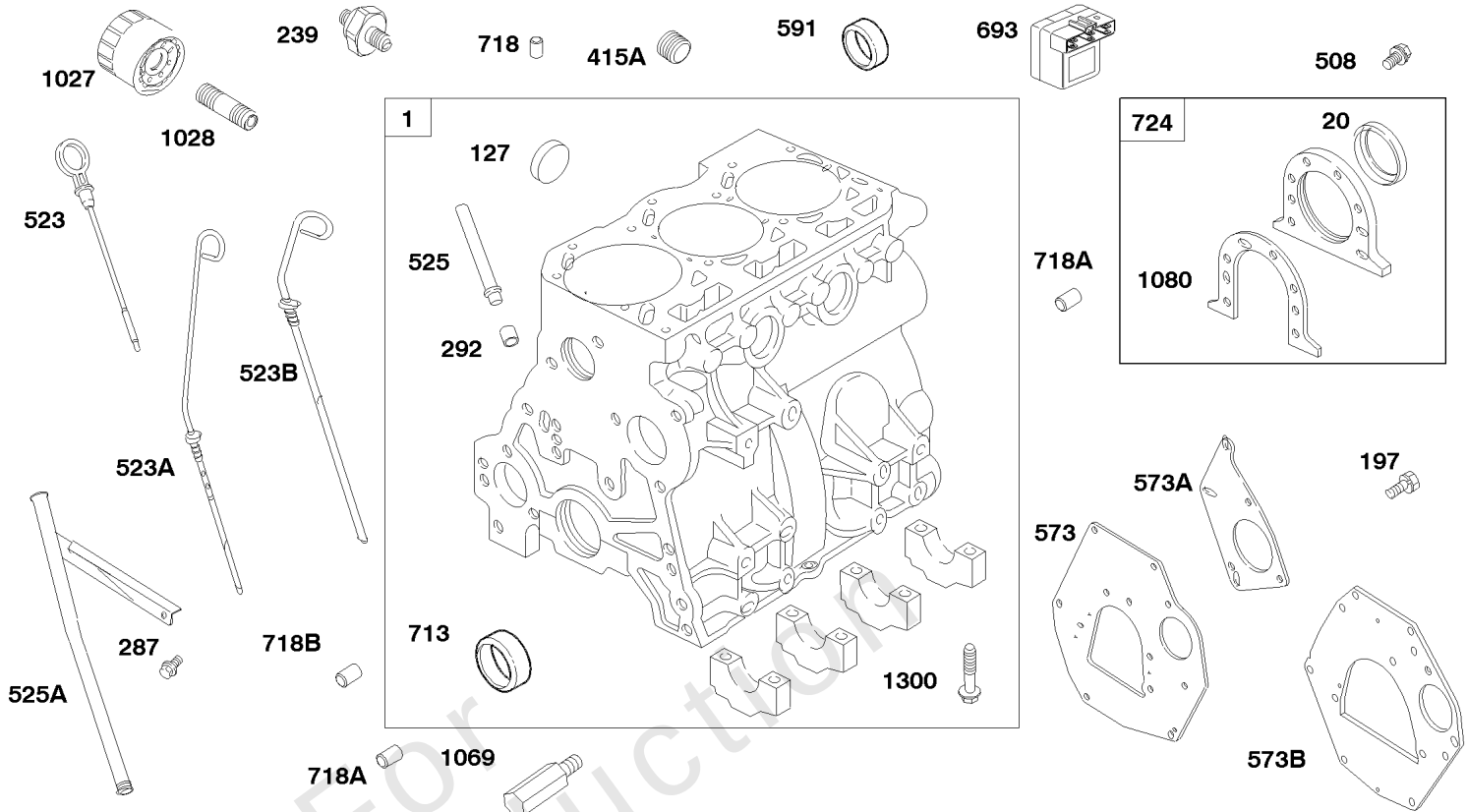
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Cylinder Head, Rocker Cover

REF NO	PART NO	QTY	DESCRIPTION
5	825683		HEAD, Cylinder -(9mm Head Bolts) -Used After Code Date 98123100
7	820660		GASKET, Cylinder Head -Used After Code Date 98123100
7A	820351		GASKET, Cylinder Head -Used Before Code Date 99010100
13	820074		SCREW -(Cylinder Head) (8mm) -Used Before Code Date 99010100
13	820623		SCREW -(Cylinder Head) (9mm) -Used After Code Date 98123100
21	825024		CAP, Oil Fill
127	820004		PLUG, Welch
127A	820005		PLUG, Welch
151	820014		STUD -(Exhaust Manifold)
151A	820466		STUD -(Exhaust Manifold)
276	820064		WASHER, Sealing -(Rocker Cover)
350	820078		STUD -(Water Pump)
773	820130		RETAINER -(Valve Guide Bushing)
806	820212		SCREW -(Lifting Bracket)
806A	820024		SCREW -(Lifting Bracket)
812	820071		NUT -(Rocker Cover)
871	825030		BUSHING, Valve Guide
1011	821003		TUBE, Vent
1019	825649		KIT, Label
1022	820150		GASKET, Rocker Cover
1023	825672		COVER, Rocker
1036	-----		Label-Emissions -(Available From A Briggs & Stratton Authorized Dealer)
1077	820260		BRACKET, Lifting
1077A	820254		BRACKET, Lifting
1130	820015		STUD -(Intake Manifold)
1171	820076		STUD -(Rocker Cover)

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	825597	Cylinder Assembly (Used After Code Date 99063000). (9mm Head Bolts) ----- Note ----- 825597 Cylinder Assembly (9mm Head Bolts) (Used After Code Date 98123100 and Before Code Date 99070100). Used on Type No(s). 0105, 0125, 0130, 0131, 0205, 0225, 0230, 0231.	20	821328	Seal-Oil (PTO Side)	573	820170	Plate-Back
			127	820004	Plug-Welch	573A	820147	Plate-Back
			197	820176	Screw (Back Plate)	573B	820917	Plate-Back
			239	821135	Switch-Oil Pressure	591	821069	Plug-Camshaft
			287	820273	Screw (Dipstick Tube)	693	821319	Module-Pre Heat (Used After Code Date 07063000). ----- Note -----
			292	820662	Collar-Dipstick Tube			820373 Module-Pre Heat (Used Before Code Date 07070100).
			415A	820375	Plug (Cylinder)	713	821299	Bushing-Camshaft
			508	820031	Screw (Seal Retainer)	718	820063	Pin-Locating
			523	821158	Dipstick	718A	820062	Pin-Locating
			523A	820572	Dipstick Used on Type No(s). 0125, 0222, 0225, 0232, 0376, 0476.	718B	820061	Pin-Locating
			523B	820643	Dipstick Used on Type No(s). 0233, 0377, 0411.	724	825731	Retainer-Seal
					----- Note -----	1027	820314	Filter-Oil
					821224 Dipstick Used on Type No(s). 0381.	1028	820851	Adapter-Oil Filter
			525	820144	Tube-Dipstick	1069	820102	Nozzle-Oil
			525A	820666	Tube-Dipstick	1080	820145	Gasket-Seal Retainer
						1300	820042	Screw (Crankshaft Bearing Cap)

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

0703-2

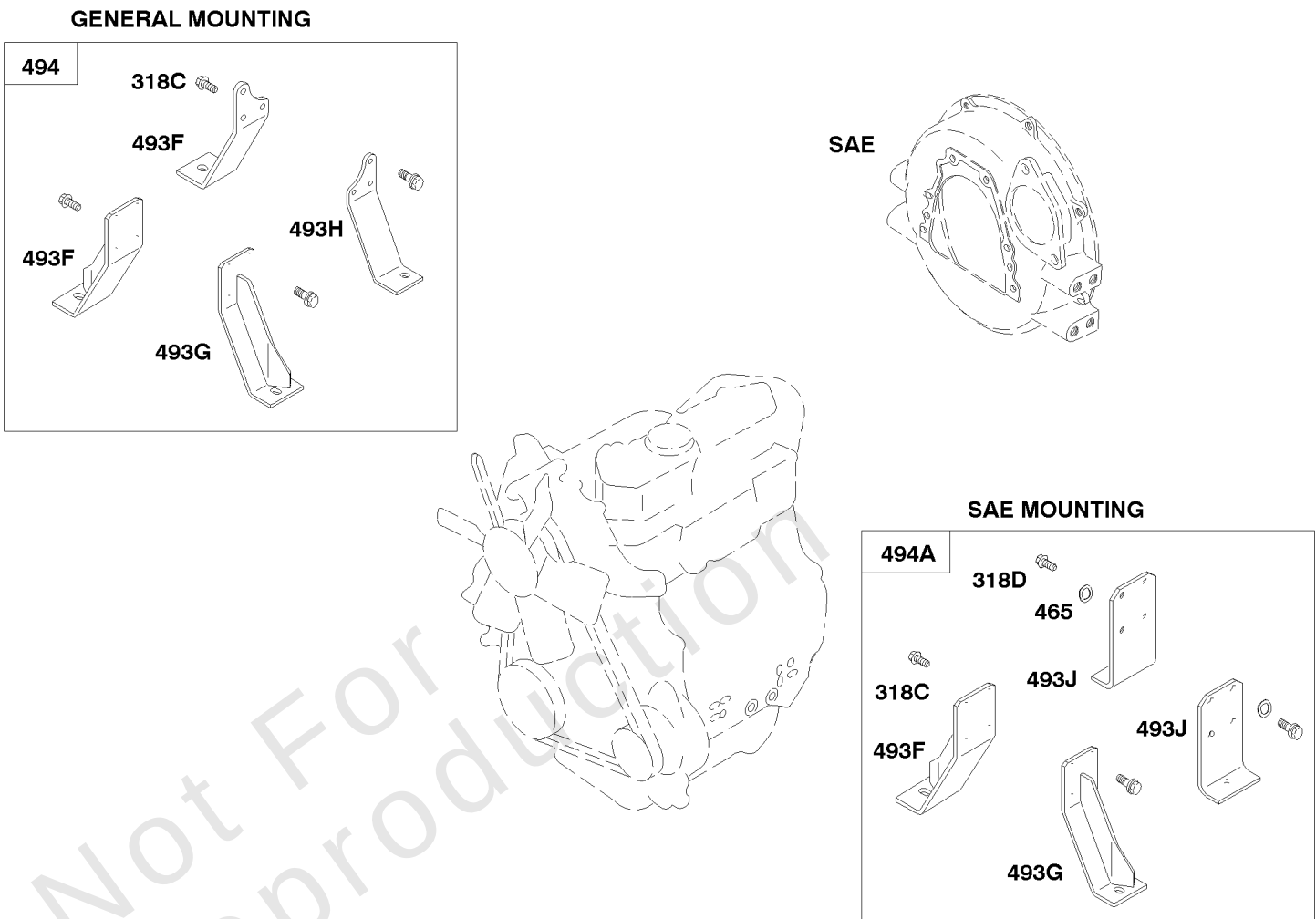
Assemblies include all parts shown in frames.

09/16/2010

Cylinder, Back Plate, Oil

REF NO	PART NO	QTY	DESCRIPTION
1	825597		CYLINDER ASSY -(9mm Head Bolts) -Used After Code Date 99063000
20	821328		SEAL, Oil -(PTO Side)
127	820004		PLUG, Welch
197	820176		SCREW -(Back Plate)
239	821135		SWITCH, Oil Pressure
287	820273		SCREW -(Dipstick Tube)
292	820662		COLLAR, Dipstick Tube
415A	820375		PLUG -(Cylinder)
508	820031		SCREW -(Seal Retainer)
523A	820572		DIPSTICK
525	820144		TUBE, Dipstick
573	820170		PLATE, Back
573A	820147		PLATE, Back
573B	820917		PLATE, Back
591	821069		PLUG, Camshaft
693	821319		MODULE, Pre Heat -Used After Code Date 07063000
693	820373		MODULE, Pre Heat -Used Before Code Date 07070100
713	821299		BUSHING, Camshaft
718	820063		PIN, Locating
718A	820062		PIN, Locating
718B	820061		PIN, Locating
724	825731		RETAINER, Seal
1027	820314		FILTER, Oil
1028	820851		ADAPTER, Oil Filter
1069	820102		NOZZLE, Oil
1080	820145		GASKET, Seal Retainer
1300	820042		SCREW -(Crankshaft Bearing Cap)

582400



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
318C	820024	Screw (Mounting Bracket) (Engine Mounts Only)	465	820449	Washer (Mounting Bracket)	494	825214	Mount-Engine (General Mounting)
		----- Note -----	493F	820835	Bracket-Mounting (Right Front) (General and SAE)	494A	825215	Mount-Engine (SAE Mounting)
		820023 Screw (Mounting Bracket) (Front Engine Mounts And Radiator Brackets Installed)	493G	820832	Bracket-Mounting (Left Front) (General and SAE)			
318D	820306	Screw (Mounting Bracket)	493H	820833	Bracket-Mounting (Rear General)			
			493J	820834	Bracket-Mounting (Rear SAE)			

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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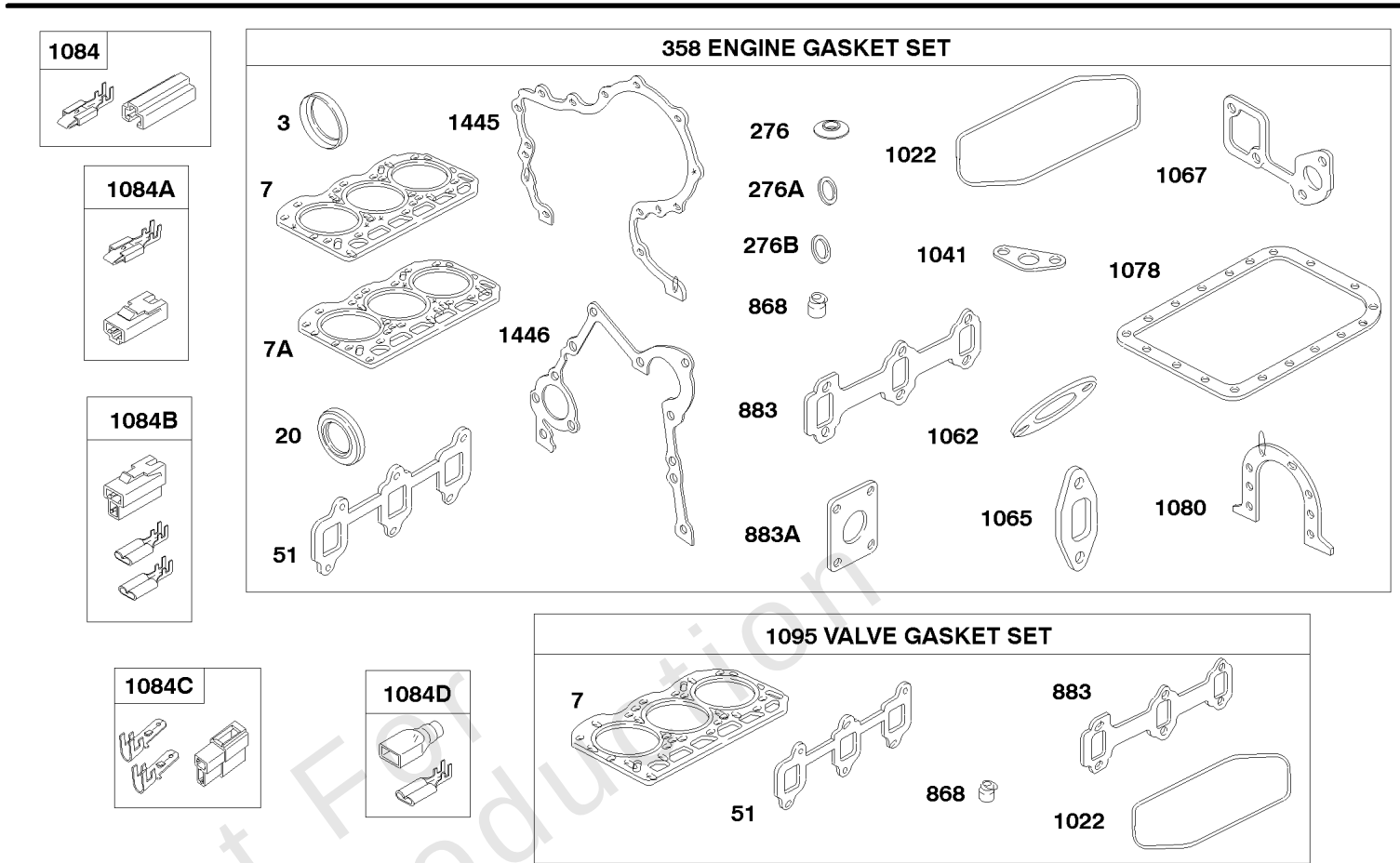
Assemblies include all parts shown in frames.

09/16/2010

Engine Mounting Brackets

REF NO	PART NO	QTY	DESCRIPTION
318C	820024		SCREW -(Mounting Bracket) (Engine Mounts Only)
318C	820023		SCREW -(Mounting Bracket) (Front Engine Mounts And Radiator Brackets Are Installed)
318D	820306		SCREW -(Mounting Bracket)
465	820449		WASHER -(Mounting Bracket)
494	825214		MOUNT, Engine -(General Mounting)
494A	825215		MOUNT, Engine -(SAE Mounting)

582400



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
3	821326	Seal-Oil (Magneto Side)	358	825757	Gasket Set-Engine (Used After Code Date 98123100). ----- Note ----- 825212 Gasket Set-Engine (Used Before Code Date 99010100).	1078	820137	Gasket-Oil Pan
7	820660	Gasket-Cylinder Head (Used After Code Date 98123100).	868	820405	Seal-Valve	1080	820145	Gasket-Retainer
7A	820351	Gasket-Cylinder Head (Used Before Code Date 99010100).	883	820817	Gasket-Exhaust (Intake Manifold)	1084	825154	Connector-Terminal
20	821328	Seal-Oil (PTO Side)	883A	821001	Gasket-Exhaust (Muffler)	1084A	825266	Connector-Terminal
51	820407	Gasket-Intake (Intake Manifold)	1022	820150	Gasket-Rocker Cover	1084B	825157	Connector-Terminal
276	820064	Washer-Sealing (Rocker Cover)	1041	820104	Gasket-Oil Pump Screen	1084C	825156	Connector-Terminal
276A	820582	Washer-Sealing (Oil Drain Plug) (16mm)	1062	820093	Gasket-Outlet Housing	1084D	825160	Connector-Terminal
276B	820049	Washer-Sealing (Oil Drain Plug) (12 mm)	1065	820098	Gasket-Inlet Housing	1095	825381	Gasket Set-Valve (Used After Code Date 98123100). ----- Note ----- 825213 Gasket Set-Valve (Used Before Code Date 99010100).
			1067	820100	Gasket-Water Pump	1445	820377	Gasket-Timing Gear Cover
						1446	820155	Gasket-Gear Housing

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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Assemblies include all parts shown in frames.
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Engine/Valve Gasket Sets, Connectors

REF NO	PART NO	QTY	DESCRIPTION
3	821326		SEAL, Oil -(Magneto Side)
7	820660		GASKET, Cylinder Head -Used After Code Date 98123100
7A	820351		GASKET, Cylinder Head -Used Before Code Date 99010100
20	821328		SEAL, Oil -(PTO Side)
51	820407		GASKET, Intake -(Intake Manifold)
276	820064		WASHER, Sealing -(Rocker Cover)
276A	820582		WASHER, Sealing -(Oil Drain Plug)(16mm)
276B	820049		WASHER, Sealing -(Oil Drain Plug)(12 mm)
358	825757		GASKET SET, Engine -Used After Code Date 98123100
358	825212		GASKET SET, Engine -Used Before Code Date 99010100
868	820405		SEAL, Valve
883	820817		GASKET, Exhaust -(Intake Manifold)
883A	821001		GASKET, Exhaust -(Muffler)
1022	820150		GASKET, Rocker Cover
1041	820104		GASKET, Oil Pump Screen
1062	820093		GASKET, Outlet Housing
1065	820098		GASKET, Inlet Housing
1067	820100		GASKET, Water Pump
1078	820137		GASKET, Oil Pan
1080	820145		GASKET, Seal Retainer
1084	825154		CONNECTOR, Terminal
1084A	825266		CONNECTOR, Terminal
1084C	825156		CONNECTOR, Terminal
1084D	825160		CONNECTOR, Terminal
1084B	825157		CONNECTOR-TERMINAL
1095	825381		GASKET SET, Valve -Used After Code Date 98123100
1095	825213		GASKET SET, Valve -Used Before Code Date 99010100
1445	820377		GASKET, Gear Cover/Housing
1446	820155		GASKET, Gear Cover/Housing

This diagram shows an exploded view of a 100cc 2-stroke engine. The main engine block is shown in the center, with various components like the cylinder, piston, crankshaft, and gears shown in their relative positions. The parts are labeled with numbers and names:

- 1106**: A long, thin metal rod.
- 1107**: A small metal nut.
- 1219**: A small metal washer.
- 1220**: A small metal washer.
- 1108**: A small metal washer.
- 1111**: A long metal rod with a small nut at one end.
- 187**: A curved metal rod with a small nut at one end.
- 240**: A small metal nut.
- 240A**: A small metal nut.
- 1162**: A small metal washer.
- 1103**: A small metal nut.
- 1162**: A small metal washer.
- 1084C**: A small metal nut.
- 241**: A small metal nut.
- 1112**: A small metal nut.
- 743**: A large gear.
- 267**: A small metal nut.
- 265**: A small metal washer.
- 1110**: A small metal nut.
- 1008**: A small metal nut.
- 940**: A small metal nut.
- 259**: A small metal washer.
- 377**: A small metal washer.
- 1163**: A small metal washer.
- 1164**: A small metal washer.
- RIGHT HELIX**: A small metal nut.
- LEFT HELIX**: A small metal nut.
- 1109A**: A small metal nut.
- 1109**: A small metal nut.
- 813**: A small metal nut.
- 1165**: A small metal nut.
- 652**: A small metal nut.
- 890A**: A small metal nut.
- 652A**: A small metal nut.
- 890**: A small metal nut.

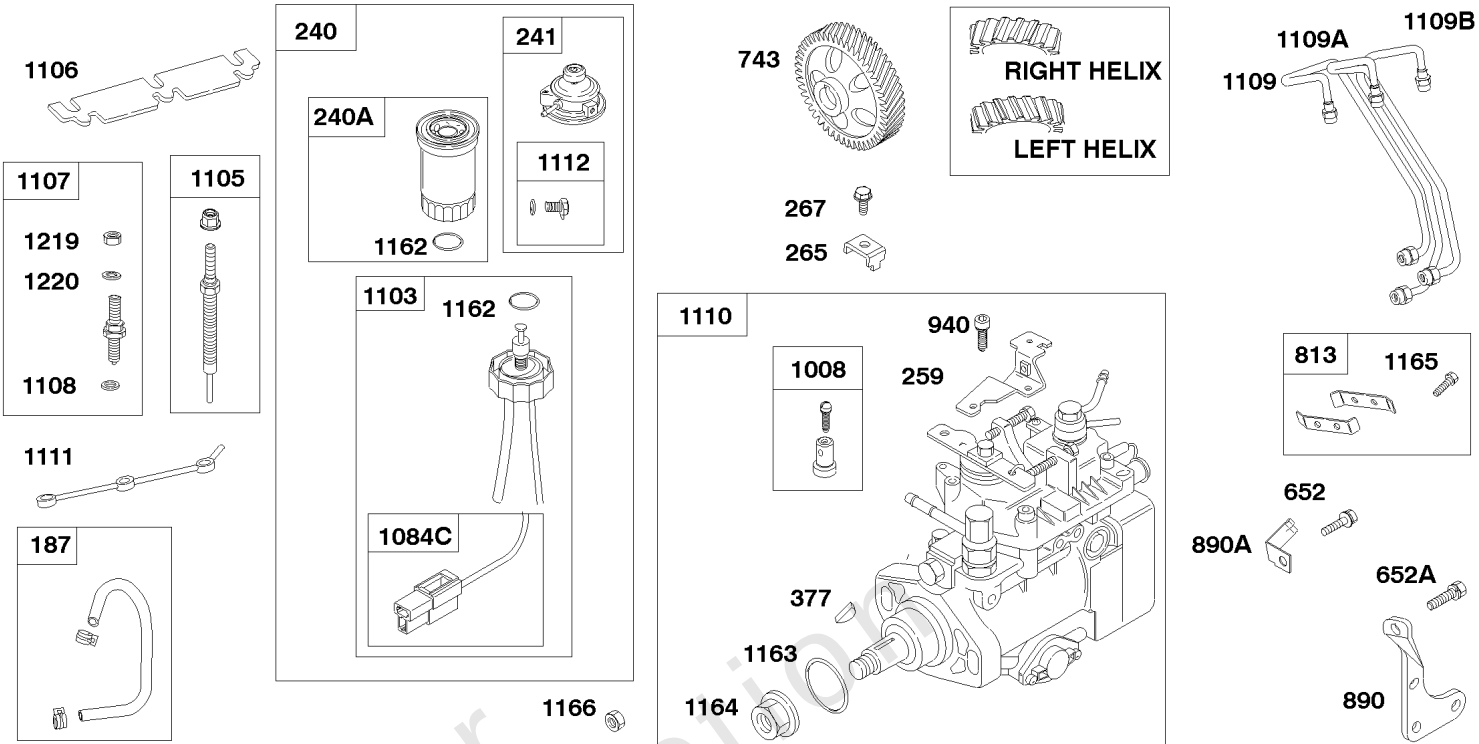
Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

09/16/2010

Fuel Injection, Fuel Filter, Nozzles

REF NO	PART NO	QTY	DESCRIPTION
187	825179		LINE, Fuel
240	825219		FILTER, Fuel
240A	820311		FILTER, Fuel
241	821251		COVER, Fuel Filter
259	820634		BRACKET, Casing Clamp
265	691024		CLAMP, Casing
267	820012		SCREW -(Casing Clamp)
309	825700		MOTOR, Starter -(1.2 KW)(Purple/Brown Label)
377	821064		KEY, Woodruff -(Fuel Injection Pump)
652	820593		SCREW -(Support Bracket)
652A	820272		SCREW -(Support Bracket)
743	820619		GEAR, Drive -(Right Helix) -Used After Code Date 99063000
743	820416		GEAR, Drive -(Left Helix) -Used Before Code Date 99010100
813	825197		CLAMP
890	820415		BRACKET, Support
890A	820479		BRACKET, Support
940	820640		SCREW -(Casing Clamp Bracket)
1008	820467		CLAMP, Swivel
1084C	825156		CONNECTOR, Terminal
1103	820347		SENSOR, Fuel Filter
1105	821308		PLUG, Glow
1106	820409		STRAP, Glow Plug
1107	825754		NOZZLE, Injector -Used After Code Date 07063000
1107	825178		NOZZLE, Injector -Used Before Code Date 07070100
1108	820411		SEAT, Injector
1109	825194		PIPE, Injector -(Cylinder 1)
1109A	825195		PIPE, Injector -(Cylinder 2)
1109B	825196		PIPE, Injector -(Cylinder 3)
1110	825300		PUMP, Fuel Injection -Used Before Code Date 07070100
1110	825750		PUMP, Fuel Injection -Used After Code Date 07063000
1111	820412		PIPE, Fuel Return
1112	825198		PLUG, Vent
1162	820348		SEAL, O-Ring -(Fuel Filter Sensor)
1163	820414		SEAL, O-Ring -(Injection Pump Shaft)
1164	820419		NUT -(Injection Pump Shaft)
1165	820031		SCREW -(Clamp)

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION			
187	825179	Line-Fuel	813	825197	Clamp	1110	825750	Pump-Fuel Injection (Used After Code Date 07063000).			
240	825219	Filter-Fuel	890	820415	Bracket-Support	----- Note ----- 825300 Pump-Fuel Injection (Used Before Code Date 07070100). 825299 Pump-Fuel Injection Used on Type No(s). 0125, 0131, 0225, 0231.					
240A	820311	Filter-Fuel	890A	820479	Bracket-Support						
241	821251	Cover-Fuel Filter	940	820640	Screw (Casing Clamp Bracket)						
259	820634	Bracket-Casing Clamp	1008	820467	Clamp-Swivel	1111	820412	Pipe-Fuel Return			
265	691024	Clamp-Casing	1084C	825156	Connector-Terminal	1112	825198	Plug-Vent			
267	820012	Screw (Casing Clamp)	1103	820347	Sensor-Fuel Filter	1162	820348	Seal-O Ring (Fuel Filter Sensor)			
377	821064	Key-Woodruff (Injection Pump)	1105	821308	Plug-Glow	1163	820414	Seal-O Ring (Injection Pump) (Shaft)			
652	820593	Screw (Support Bracket)	1106	820409	Strap-Glow Plug	1164	820419	Nut (Injection Pump) (Shaft)			
652A	820272	Screw (Support Bracket)	1107	825754	Nozzle-Injector (Used After Code Date 07063000).	1165	820031	Screw (Clamp)			
743	820619	Gear-Drive (Right Helix) (Used After Code Date 99063000).	----- Note ----- 825178 Nozzle-Injector (Used Before Code Date 07070100). 1108 820411 Seat-Injector 1109 825194 Pipe-Injector #1 1109A 825195 Pipe-Injector #2 1109B 825196 Pipe-Injector #3			1166	820417	Nut (Injection Pump)			
----- Note ----- 820619 Gear-Drive (Right Helix) (Used After Code Date 98123100 and Before Code Date 99070100). Used on Type No(s). 0105, 0125, 0130, 0131, 0205, 0230, 0231. 820416 Gear-Drive (Left Helix) (Used Before Code Date 99010100).						1219	820829	Nut (Injector Nozzle)			
						1220	820831	Washer (Injector Nozzle)			

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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Assemblies include all parts shown in frames.

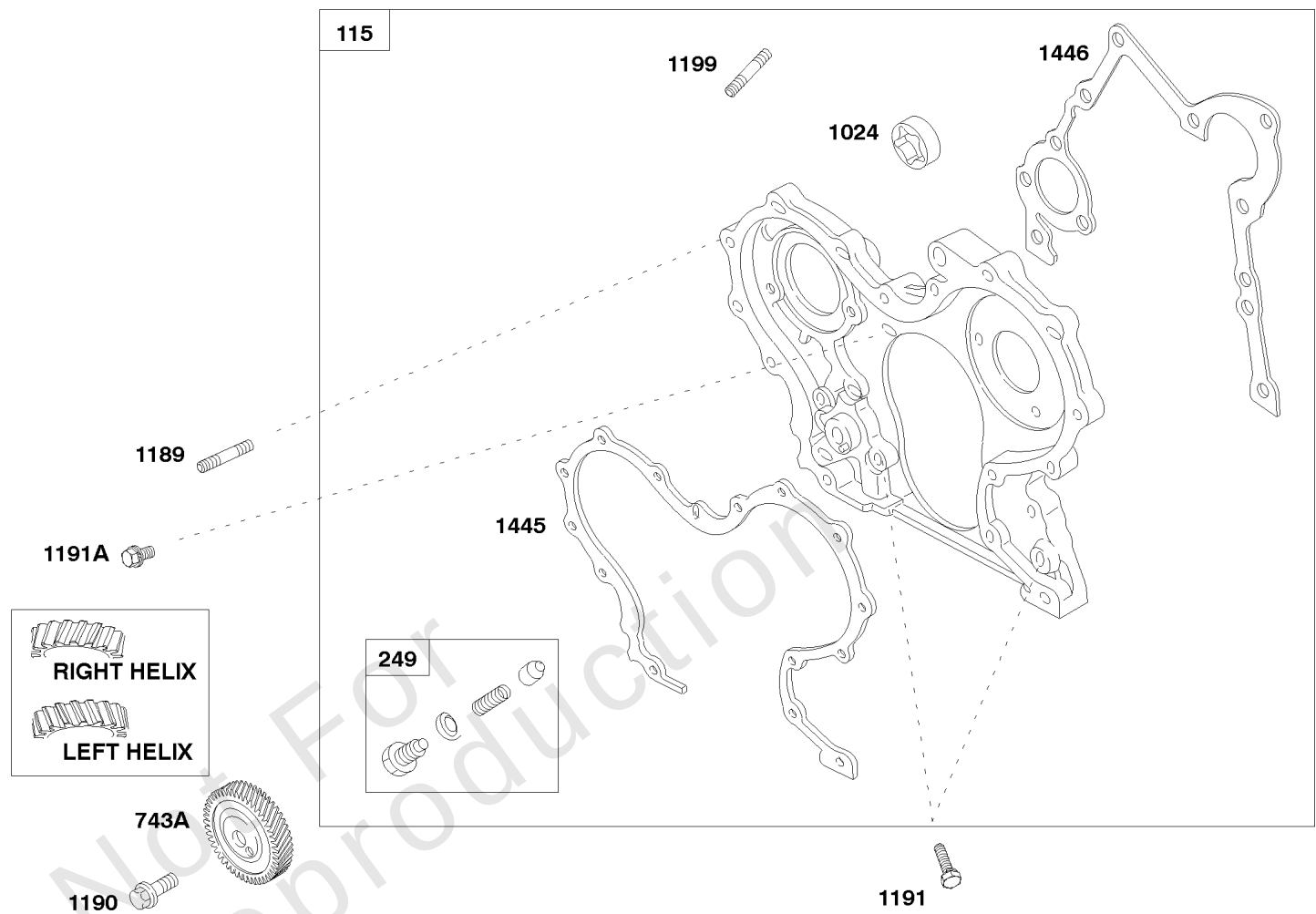
09/16/2010

Fuel Injection, Fuel Filter, Nozzles

REF NO	PART NO	QTY	DESCRIPTION
1166	820417		NUT -(Injection Pump)
1219	820829		NUT -(Injector Nozzle)
1220	820831		WASHER -(Injector Nozzle)

Not For Reproduction

582400



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
115	825186	Housing-Gear		820121	Gear-Drive (Oil Pump)	1191	820030	Screw (Gear Housing)
249	825032	Valve-Pressure Relief		(Left Helix)		1191A	820033	Screw (Gear Housing)
743A	820615	Gear-Drive (Oil Pump)		(Used Before Code Date 99010100).		1199	820426	Stud (Injector Pump)
		(Right Helix)	1024	Pump-Oil		1445	820377	Gasket-Timing Gear Cover
		(Used After Code Date 99063000).		(Sold in Gear Housing Only, Reference 115)		1446	820155	Gasket-Gear Housing
		----- Note -----	1189	820156	Stud (Gear Housing)			
		820615 Gear-Drive (Oil Pump)	1190	820180	Screw (Drive Gear)			
		(Right Helix)						
		(Used After Code Date 98123100 and Before Code Date 99070100).						
		Used on Type No(s).						
		0105, 0125, 0130,						
		0131, 0205, 0230,						
		0231.						

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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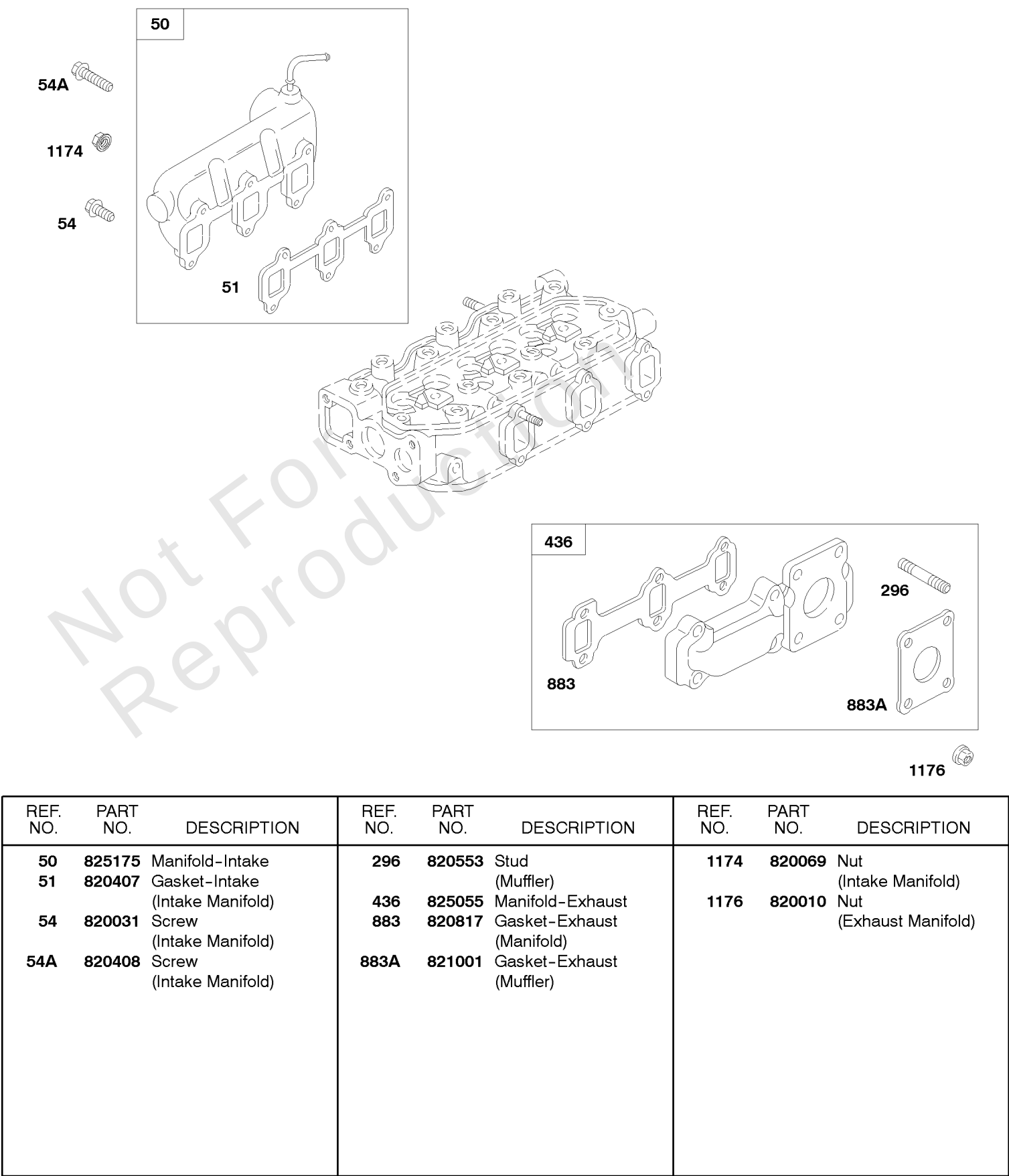
Assemblies include all parts shown in frames.

09/16/2010

Gear Housing

REF NO	PART NO	QTY	DESCRIPTION
115	825186		HOUSING, Gear
249	825032		VALVE, Pressure Relief
743A	820615		GEAR, Drive -(Oil Pump) (Right Helix) -Used After Code Date 99063000
743A	820121		GEAR, Drive -(Oil Pump) (Left Helix) -Used Before Code Date 99010100
1024	-----		Pump-Oil -(Sold In Gear Housing Only, Reference 115)
1189	820156		STUD -(Gear Housing)
1190	820180		SCREW -(Drive Gear)
1191	820030		SCREW -(Gear Housing)
1191A	820033		SCREW -(Gear Housing)
1199	820426		STUD -(Injection Pump)
1445	820377		GASKET, Gear Cover/Housing
1446	820155		GASKET, Gear Cover/Housing

582400



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
50	825175	Manifold-Intake	296	820553	Stud (Muffler)	1174	820069	Nut (Intake Manifold)
51	820407	Gasket-Intake (Intake Manifold)	436	825055	Manifold-Exhaust	1176	820010	Nut (Exhaust Manifold)
54	820031	Screw (Intake Manifold)	883	820817	Gasket-Exhaust (Manifold)			
54A	820408	Screw (Intake Manifold)	883A	821001	Gasket-Exhaust (Muffler)			

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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Assemblies include all parts shown in frames.

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Intake Manifold, Exhaust Manifold

REF NO	PART NO	QTY	DESCRIPTION
50	825175		MANIFOLD, Intake
51	820407		GASKET, Intake -(Intake Manifold)
54	820031		SCREW -(Intake Manifold)
54A	820408		SCREW -(Intake Manifold)
296	820553		STUD -(Muffler)
436	825055		MANIFOLD, Exhaust
883	820817		GASKET, Exhaust -(Intake Manifold)
883A	821001		GASKET, Exhaust -(Muffler)
1174	820069		NUT -(Intake Manifold)
1176	820010		NUT -(Exhaust Manifold)

582400

1019

VANGUARD

DAIHATSU

DM950D

Manufactured In Japan by Daihatsu

1040

MODEL

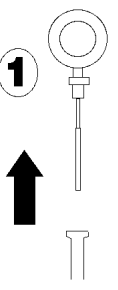
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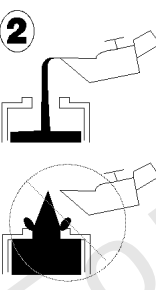
1319

CAUTION

1



2



DO NOT OVER FILL

FULL

LOW

F

L

1036

DAIHATSU MOTOR CO., LTD.

TYPE: XXXXXX-X

FAMILY: XXXXXX.XXXXXX

APPROVAL NUMBER: XXXXXX/XXXX/XXXXXX/XXXXX

XXXXXX-X

IMPORTANT ENGINE INFORMATION

ENGINE FAMILY NAME: XXXXX.XXXXXX

ADVERTISED POWER: XXX kW/XXXX rpm

ENGINE TUNEUP SPECIFICATIONS AND ADJUSTMENTS:

VALVE CLEARANCE (COLD): IN XXXX in. (XXX mm), EX XXXX in. (XXX mm)

LOW IDLE: XXXX rpm, HIGH IDLE: XXXX rpm

INJECTION TIMING: XXX mm/TDC

THIS ENGINE CONFORMS TO XXXX MODEL YEAR U.S. EPA AND CA EMISSION REGS FOR NONROAD COMPRESSION - IGNITION ENGINES. FEL: NMHC+NOx X.X (g/kW h)

REFER TO OWNER'S MANUAL FOR MAINTENANCE SPECIFICATIONS AND ADJUSTMENTS.

THIS ENGINE IS MEETING XXXX EPA AND CA STANDARDS EARLY BY MEETING THE FELs.

EQUIPMENT LABEL

DAIHATSU MOTOR CO., LTD.

FUEL REQUIREMENT: DIESEL

ENGINE DISPLACEMENT: XXX cc

XXXX

1058 OPERATOR'S MANUAL

1330 REPAIR MANUAL

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1019	825649	Kit-Label	1040	820290	Plate-Trim	1330	MS1055	Repair Manual
1036		Label-Emissions (Available from a Briggs & Stratton Authorized Dealer)	1058	277110	Operator's Manual (TRI, EST or WST)			(Refer to Repair Manual For Assembly and Torque Requirements)
			1319	821160	Label-Warning			

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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Assemblies include all parts shown in frames.

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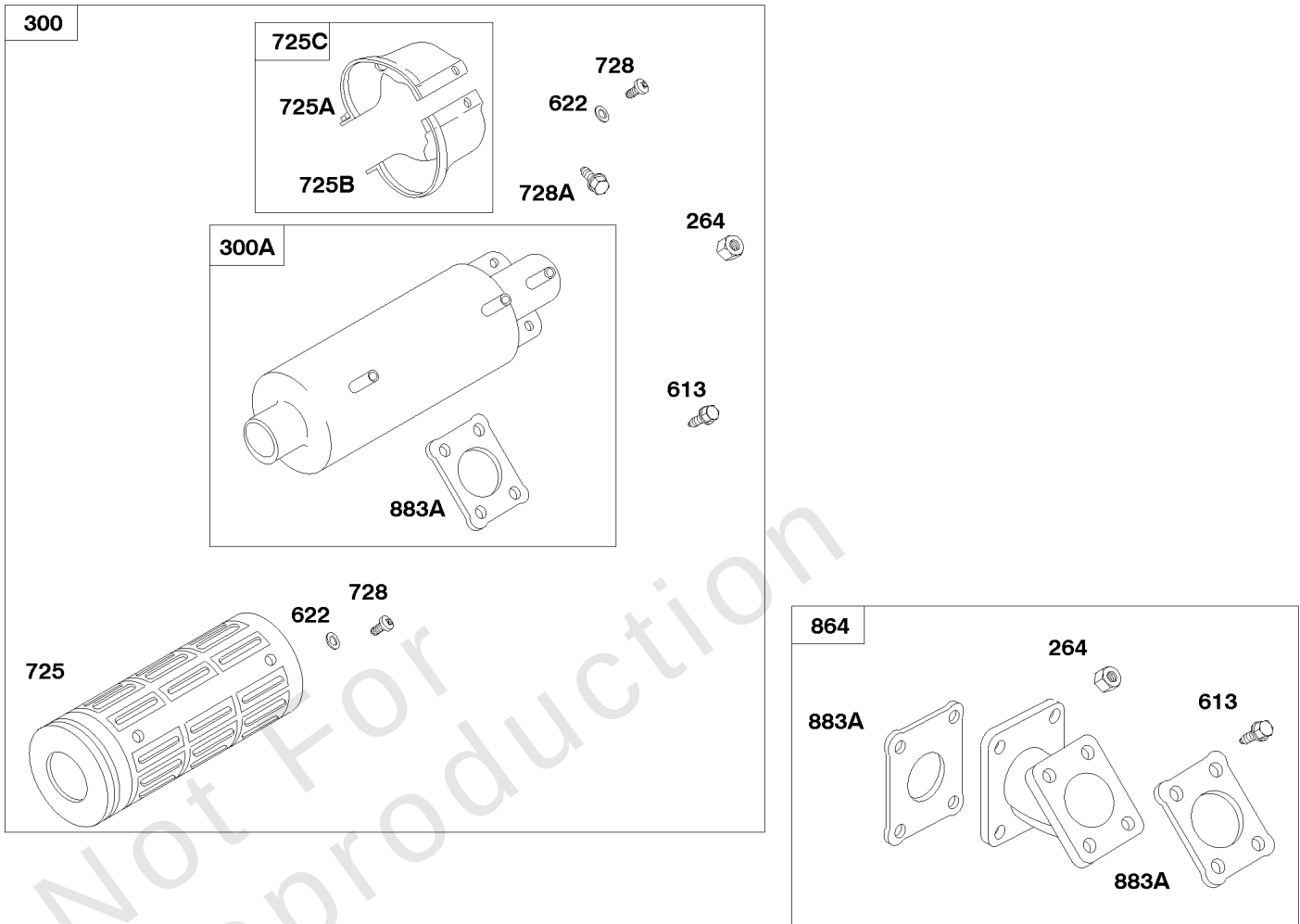
34

22-Jun-2026

Label Kit, Emissions Labels, Repair Manual

REF NO	PART NO	QTY	DESCRIPTION
1019	825649		KIT, Label
1036	-----		Label-Emissions -(Available From A Briggs & Stratton Authorized Dealer)
1040	820290		PLATE, Trim
1058	277110		MANUAL, Operator's -(TRI, WST or EST)
1319	821160		LABEL, Warning
1330	MS1055		MANUAL, Repair -(Refer to Repair Manual For Assembly and Torque Requirements)

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
264	820178	Nut (Muffler Adapter)	622	820631	Washer (Heat Shield)	728	821011	Screw (Heat Shield)
300	825200	Muffler	725	820628	Shield-Heat	728A	820431	Screw (Heat Shield)
300A	825550	Muffler	725A	820630	Shield-Heat	864	825358	Adapter-Muffler
613	820023	Screw (Muffler)	725B	820629	Shield-Heat	883A	821001	Gasket-Exhaust (Muffler)
			725C	821409	Shield-Heat			

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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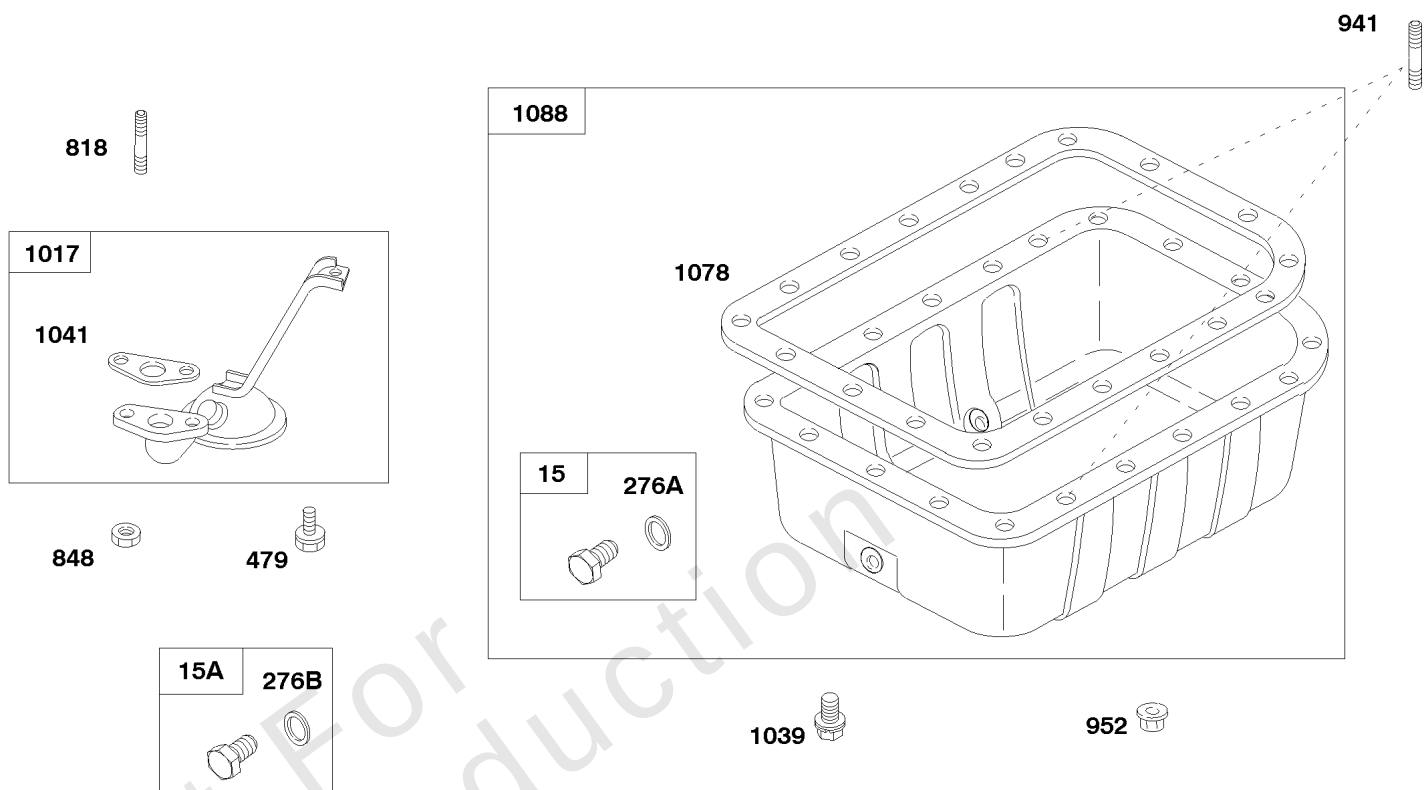
Assemblies include all parts shown in frames.

09/16/2010

Muffler, Adapter

REF NO	PART NO	QTY	DESCRIPTION
264	820178		NUT -(Muffler Adapter)
300	825200		MUFFLER
300A	825550		MUFFLER
613	820023		SCREW -(Muffler)
622	820631		WASHER -(Heat Shield)
725	820628		SHIELD, Heat
725A	820630		SHIELD, Heat
725B	820629		SHIELD, Heat
725C	821409		SHIELD, Heat
728	821011		SCREW -(Heat Shield)
728A	820431		SCREW -(Heat Shield)
864	825358		ADAPTER, Muffler
883A	821001		GASKET, Exhaust -(Muffler)

582400



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
15	825278	Plug-Oil Drain (16 mm)	818	820016	Stud (Oil Pump Screen)	1041	820104	Gasket-Oil Pump Screen
15A	825043	Plug-Oil Drain (12 mm)	848	820069	Nut (Oil Pump Screen)	1078	820137	Gasket-Oil Pan
276A	820582	Washer-Sealing (Oil Drain Plug) (16 mm)	941	820017	Stud (Oil Pan)	1088	825734	Pan-Oil (Dual Drain) (16 mm)
276B	820049	Washer-Sealing (Oil Drain Plug) (12 mm)	952	820068	Nut (Oil Pan)	----- Note -----		
479	821233	Screw (Oil Pump Screen)	1017	825089	Screen-Oil Pump	825695 Pan-Oil (Tri-Drain) (16 mm)		
			1039	821233	Screw (Oil Pan)	Used on Type No(s). 0381.		

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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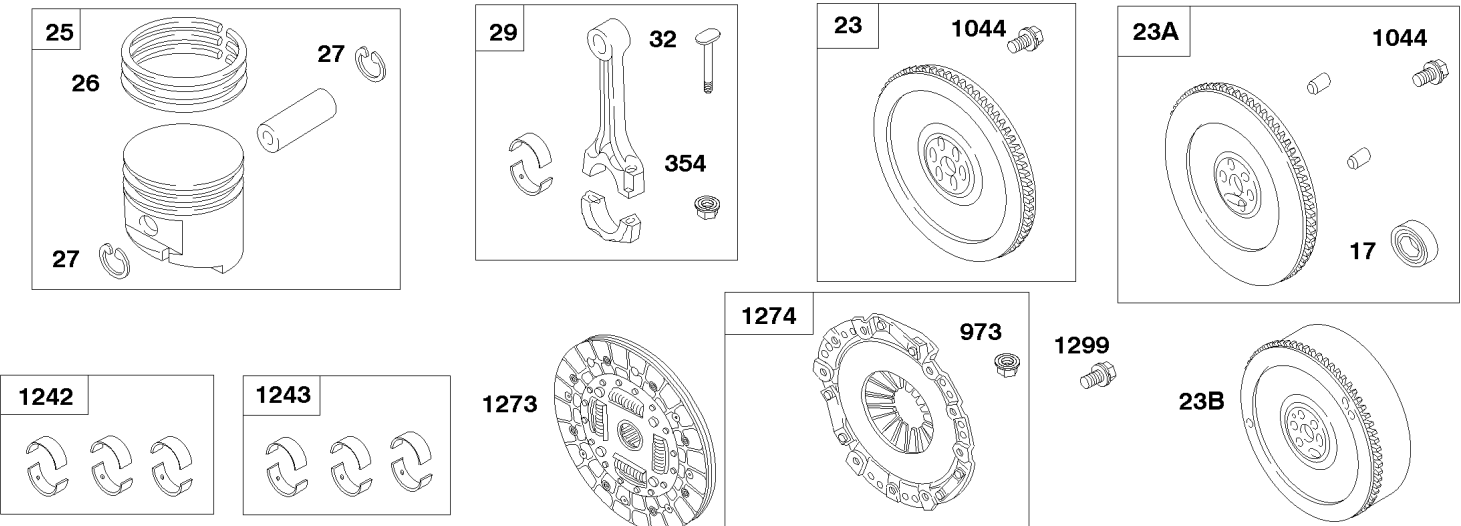
Assemblies include all parts shown in frames.

09/16/2010

Oil Pan, Oil Screen

REF NO	PART NO	QTY	DESCRIPTION
15	825278		PLUG, Oil Drain -(16mm)
15A	825043		PLUG, Oil Drain -(12mm)
276A	820582		WASHER, Sealing -(Oil Drain Plug)(16mm)
276B	820049		WASHER, Sealing -(Oil Drain Plug)(12 mm)
479	821233		SCREW -(Oil Pump Screen)
818	820016		STUD -(Oil Pump Screen)
848	820069		NUT -(Oil Pump Screen)
941	820017		STUD -(Oil Pan)
952	820068		NUT -(Oil Pan)
1017	825089		SCREEN, Oil Pump
1039	821233		SCREW -(Oil Pan)
1041	820104		GASKET, Oil Pump Screen
1078	820137		GASKET, Oil Pan
1088	825734		PAN, Oil -(Dual Drain)(16mm)

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
17	820919	Bearing-Ball Used on Type No(s). 0211, 0411.		825800	Piston Assembly (.010" Oversize) (Used After Code Date 98123100).	29	825735	Rod-Connecting
23	825303	Flywheel ----- Note ----- 825302 Flywheel Used on Type No(s). 0125, 0225. 825237 Flywheel Used on Type No(s). 0130, 0230.		825355	Piston Assembly (.010" Oversize) (Used After Code Date 00000000 and Before Code Date 00000000).	32	820128	Screw (Connecting Rod)
23A	825488	Flywheel Used on Type No(s). 0211, 0411.		825192	Piston Assembly (.010" Oversize) (Used Before Code Date 99010100).	354	820073	Nut (Connecting Rod)
23B	825071	Flywheel (SAE)		825187	Ring Set (Standard) ----- Note ----- 825188 Ring Set (.010 Oversize)	973	820070	Nut (Pressure Plate Clutch)
25	825795	Piston Assembly (Standard) (Used After Code Date 98123100). ----- Note ----- 825191 Piston Assembly (Standard) (Used Before Code Date 99010100).	26	820402	Lock-Piston Pin	1044	820080	Screw (Flywheel)
						1242	825737	Bearing Set/STD-Rod
						1243	825738	Bearing Set/010-Rod
						1273	820923	Disc-Clutch Used on Type No(s). 0211, 0411.
						1274	825492	Clutch-Pressure Plate Used on Type No(s). 0211, 0411.
						1299	820212	Screw (Pressure Plate Clutch)

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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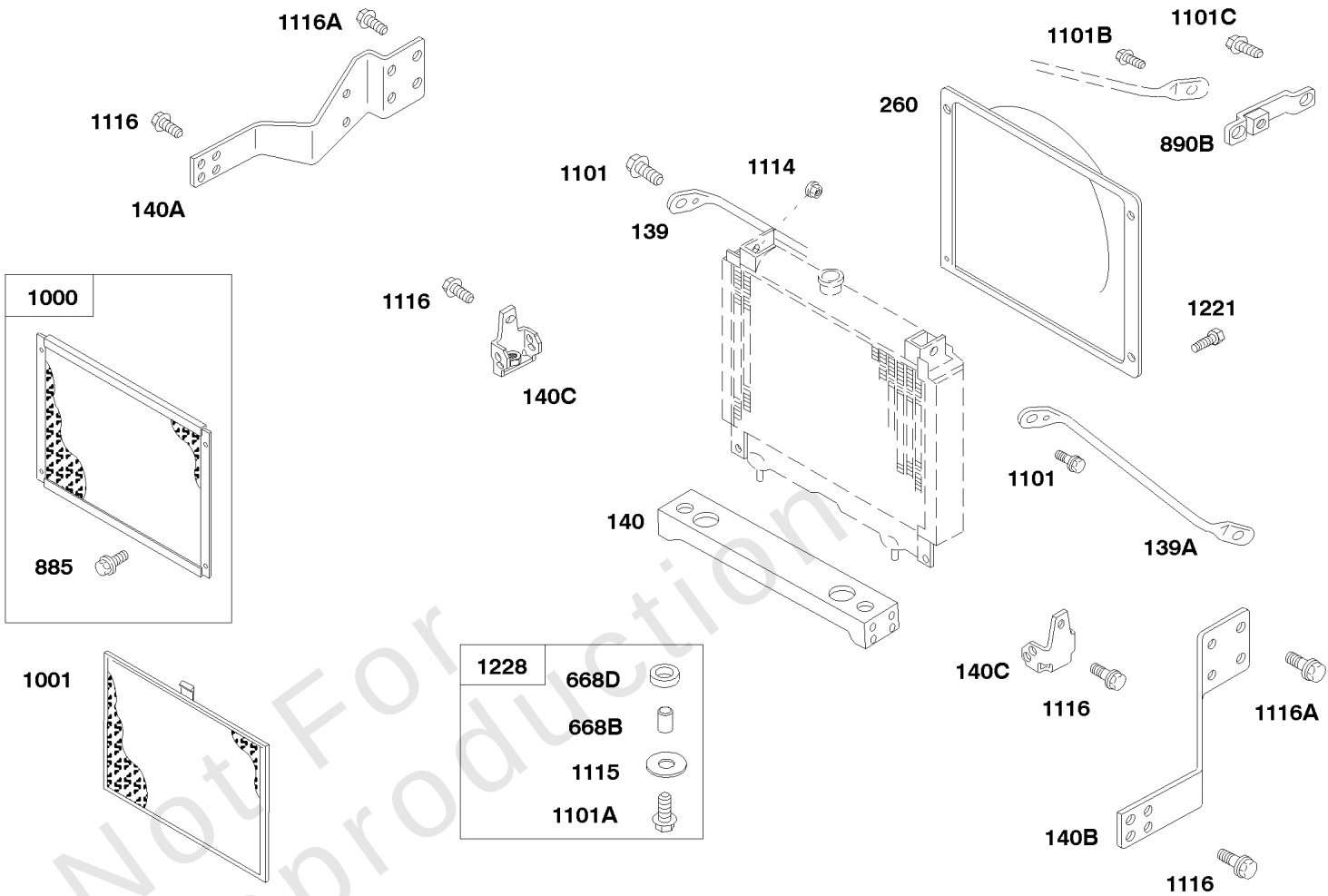
Assemblies include all parts shown in frames.

09/16/2010

Piston, Rings, Flywheel, Clutch

REF NO	PART NO	QTY	DESCRIPTION
23	825303		FLYWHEEL
25	825192		PISTON ASSEMBLY -(.010 Oversize) -Used Before Code Date 99010100
25	825355		PISTON ASSEMBLY -(.010 Oversize) -Used After Code Date 98123100
25	825795		PISTON ASSEMBLY -(Standard) -Used After Code Date 98123100
25	825800		PISTON ASSEMBLY -(.010 Oversize) -Used After Code Date 98123100
25	825191		PISTON ASSEMBLY -(Standard) -Used Before Code Date 99010100
26	825187		SET, Ring -(Standard)
26	825188		SET, Ring -(.010 Oversize)
27	820402		LOCK, Piston Pin -Used Before Code Date 10060200
27	820926		LOCK, Piston Pin -Used After Code Date 10060100
29	825735		ROD, Connecting
32	820128		SCREW -(Connecting Rod)
354	820073		NUT -(Connecting Rod)
973	820070		NUT -(Pressure Plate Clutch)
1044	820080		SCREW -(Flywheel)
1242	825737		SET, Rod Bearing, Standard
1243	825738		SET, Rod Bearing, 010
1299	820212		SCREW -(Pressure Plate Clutch)

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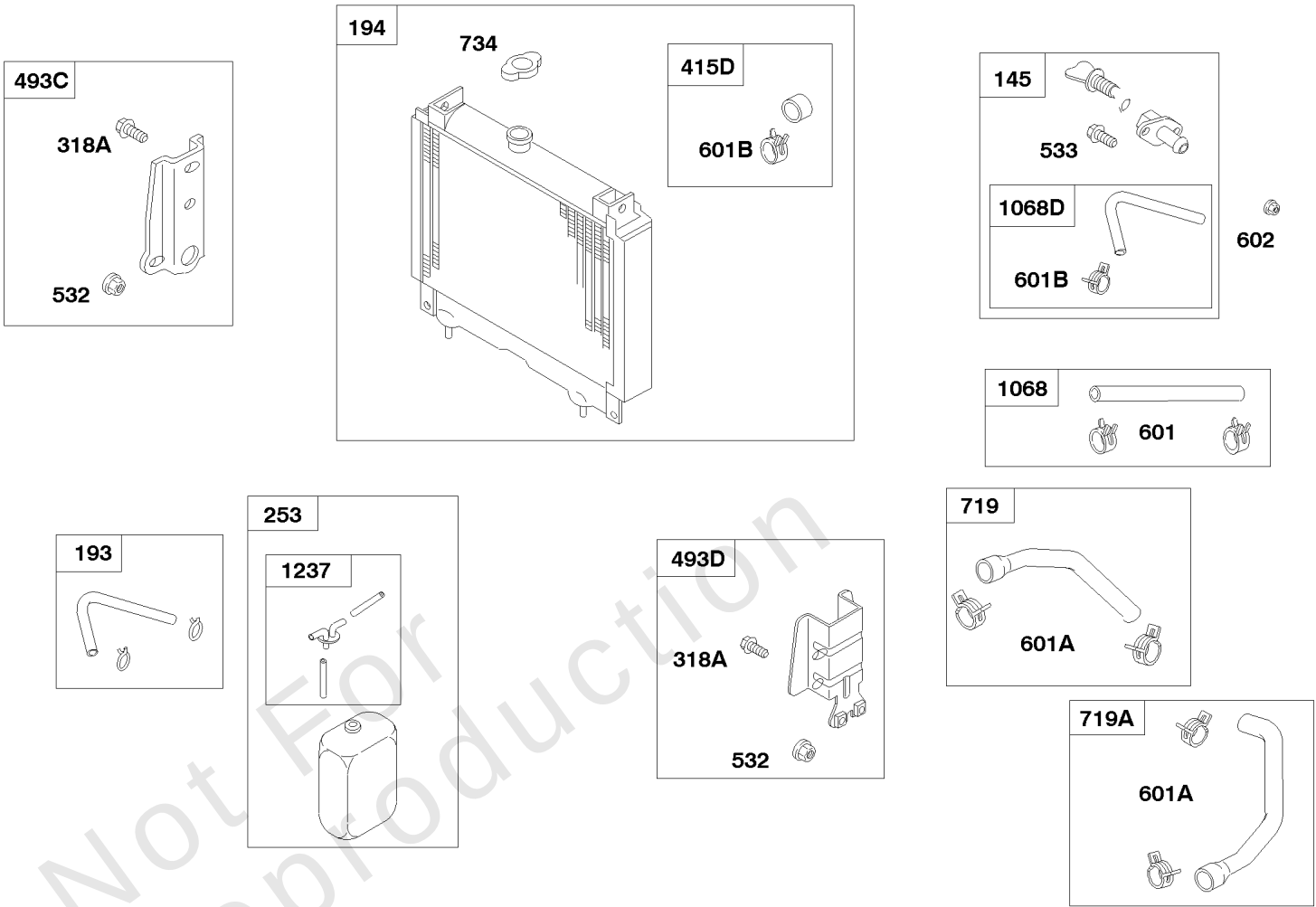
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
139	820617	Support-Radiator (Right Hand)	885	820636	Screw (Radiator Guard)	1116	820878	Screw (Radiator Bracket)
139A	820191	Support-Radiator (Left Hand)	890B	820194	Bracket-Support (Radiator)	1116A	820024	Screw (Radiator Bracket) (Engine Mounts Only)
140	820255	Bracket-Radiator (Front)	1000	825103	Guard-Radiator	----- Note -----		
140A	820192	Bracket-Radiator (Right Hand)	1001	820259	Screen-Radiator	820023	820023	Screw (Radiator Bracket) (Engine Mounts and Radiator Brackets)
140B	820193	Bracket-Radiator (Left Hand)	1101	820272	Screw (Radiator Support)	1221	820636	Screw (Fan Shroud) (320mm Fan)
140C	820294	Bracket-Radiator	1101A	820309	Screw (Radiator Support)	----- Note -----		
260	820220	Shroud-Fan (320 mm)	1101B	820273	Screw (Radiator Support)	820865	820865	Screw (Fan Shroud) (340mm Fan)
----- Note -----			1101C	820452	Screw (Radiator Support)	1228	825135	Mount-Radiator (Contains 2 Sets)
668B	820307	Spacer (Radiator Mount)	1114	820070	Nut (Radiator Support)			
668D	820198	Spacer (Radiator Mount)	1115	820296	Washer (Radiator Support)			

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

Radiator Brackets, Radiator Screen

REF NO	PART NO	QTY	DESCRIPTION
139	820617		SUPPORT, Radiator -(Right Hand)
139A	820191		SUPPORT, Radiator -(Left Hand)
140	820255		BRACKET, Radiator -(Front)
140A	820192		BRACKET, Radiator -(Right Hand)
140C	820294		BRACKET, Radiator
140B	820193		BRACKET, Radiator -(Left Hand)
260	820220		SHROUD, Fan -(320 mm)
260	820863		SHROUD, Fan -(340mm)
668B	820307		SPACER -(Radiator Mount)
668D	820198		SPACER -(Radiator Mount)
885	820636		SCREW -(Radiator Guard)
890B	820194		BRACKET, Support -(Radiator)
1000	825103		GUARD, Radiator
1001	820259		SCREEN, Radiator
1101	820272		SCREW -(Radiator Support)
1101A	820309		SCREW -(Radiator Support)
1101B	820273		SCREW -(Radiator Support)
1101C	820452		SCREW -(Radiator Support)
1114	820070		NUT -(Radiator Support)
1115	820296		WASHER -(Radiator Support)
1116	820878		SCREW -(Radiator Bracket)
1116A	820024		SCREW -(Radiator Bracket) (Engine Mounts Only)
1116A	820023		SCREW -(Radiator Bracket) (Engine Mounts And Radiator Brackets)
1221	820636		SCREW -(Fan Shroud) (320mm Fan)
1221	820865		SCREW -(Fan Shroud) (340mm Fan)
1228	825135		MOUNT, Radiator -(Contains 2 sets)

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
145	825072	Valve-Drain	415D	825075	Plug (Radiator)	601	820045	Clamp-Hose
193	825697	Hose-Reserve Tank			Used on Type No(s). 0219, 0225.	601A	820256	Clamp-Hose
194	825574	Radiator (Aluminum)	493C	825106	Bracket-Mounting (Reserve Tank)	601B	820201	Clamp-Hose
		Used on Type No(s). 0219, 0225, 0233.	493D	825314	Bracket-Mounting (Reserve Tank)	602	820011	Nut (Drain Valve)
		----- Note -----			Used on Type No(s). 0222.	719	825134	Hose-Radiator
		825645 Radiator (Aluminum)	532	820011	Nut (Mounting Bracket)	719A	825133	Hose-Radiator
		Used on Type No(s). 0235.	533	821233	Screw (Drain Valve)	734	820258	Cap-Radiator
253	825462	Tank-Reserve				1068	825045	Hose/Clamp Assembly
318A	821233	Screw (Mounting Bracket)				1068D	825696	Hose/Clamp Assembly
						1237	825461	Cap/Hose-Reserve

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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Assemblies include all parts shown in frames.

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Radiator, Hoses

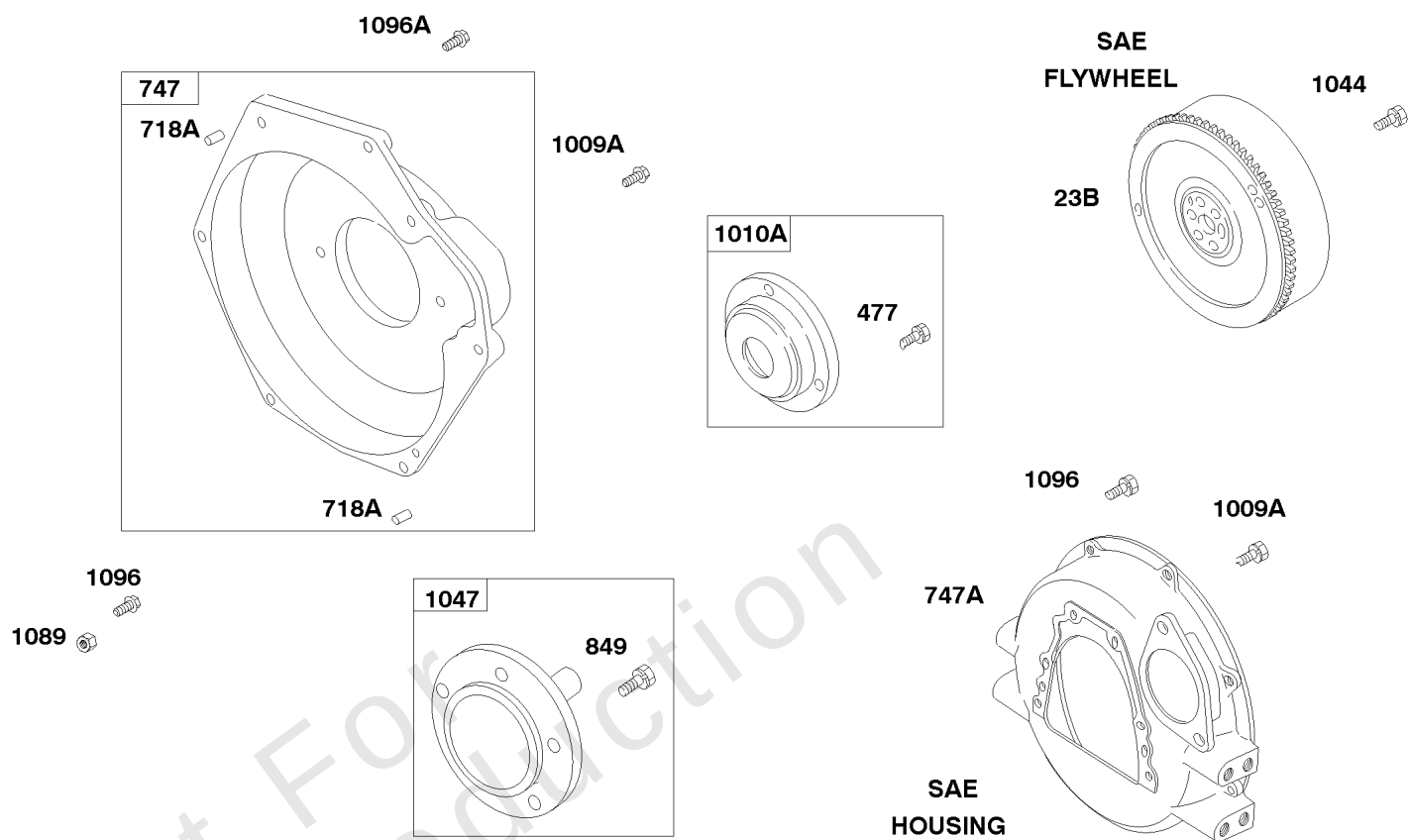
REF NO	PART NO	QTY	DESCRIPTION
145	825072		VALVE, Drain
193	825697		HOSE, Reserve Tank
253	825462		TANK, Reserve
318A	821233		SCREW -(Mounting Bracket)
493D	825314		BRACKET, Mounting -(Reserve Tank)
532	820011		NUT -(Mounting Bracket)
533	821233		SCREW -(Drain Valve)
601	820045		CLAMP, Hose
601A	820256		CLAMP, Hose
601B	820201		CLAMP, Hose
602	820011		NUT -(Drain Valve)
719	825134		HOSE/CLAMP ASSEMBLY
719A	825133		HOSE/CLAMP ASSEMBLY
734	820258		CAP, Radiator
1068	825045		HOSE/CLAMP ASSEMBLY
1068D	825696		HOSE/CLAMP ASSEMBLY
1237	825461		CAP, Reserve Tank

Replacement Engine - US & Canada

REF NO	PART NO	QTY	DESCRIPTION
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Not For Reproduction

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
23B	825071	Flywheel (SAE)	1009A	820451	Screw (Starter Motor) (SAE Housings)	1089	820070	Nut (Flywheel Housing)
477	820199	Screw (Bearing Retainer)			----- Note -----	1096	820241	Screw (Flywheel Housing)
718A	820062	Pin-Locating			820265 Screw (Starter Motor) (General Housings)	1096A	820450	Screw (Flywheel Housing)
747	825098	Housing-Flywheel (KTR®) (Small Pilot, 2 Holes)	1010A	825079	Retainer-Bearing			
		----- Note -----	1044	820080	Screw (Flywheel)			
		825113 Housing-Flywheel (KTR®)	1047	825268	Shaft-Stub (1 1/8" Diameter Shaft) (3 3/4" Length)			
747A	820248	Housing-Flywheel (SAE)			----- Note -----			
849	820199	Screw (Stub Shaft)			825078 Shaft-Stub (1 7/16" Diameter Shaft)			
					825123 Shaft-Stub (1" Diameter Shaft)			
					825269 Shaft-Stub (1 1/8" Diameter Shaft) (4 1/5" Length)			

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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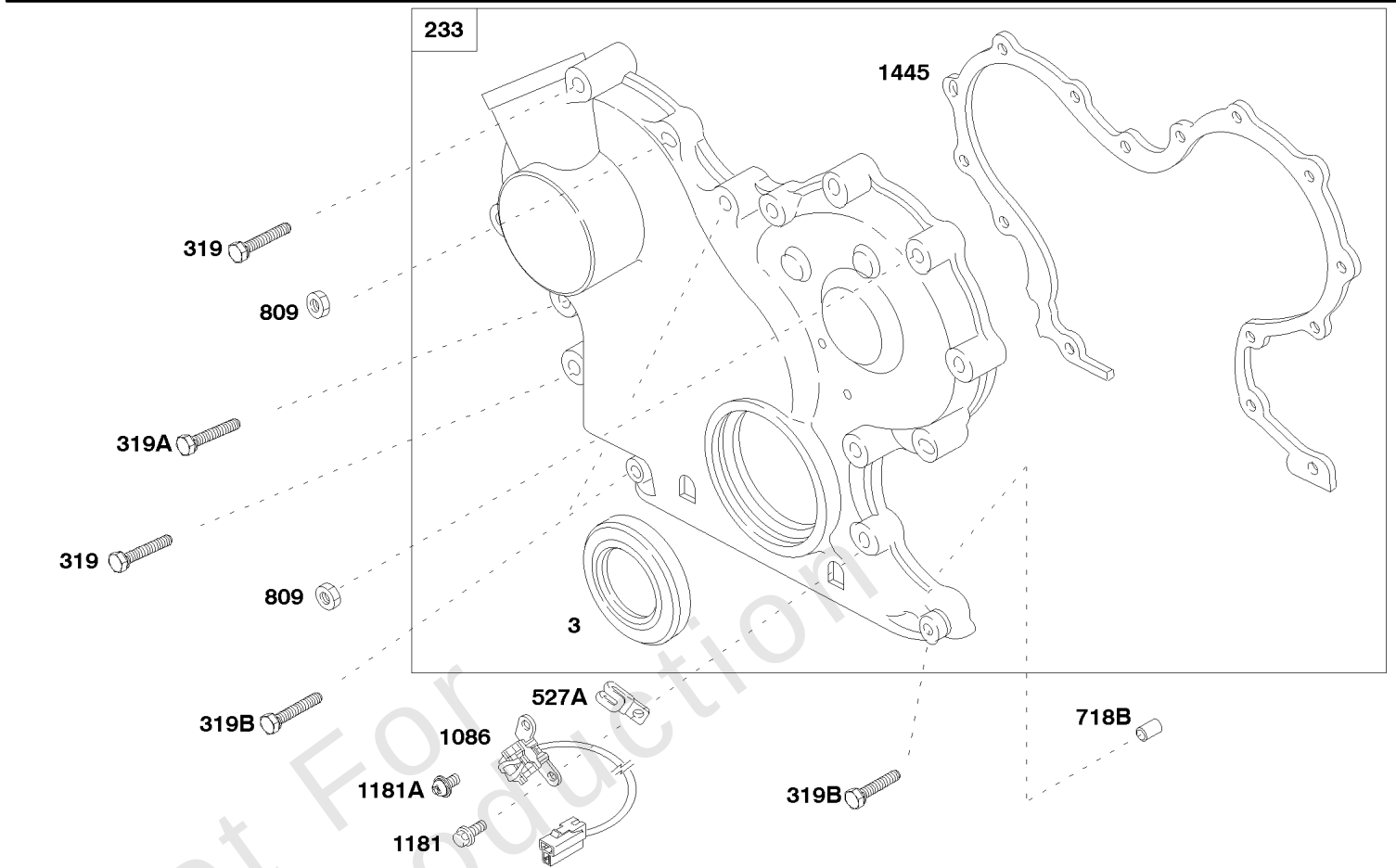
Assemblies include all parts shown in frames.

09/16/2010

SAE Flywheel, Flywheel Housing

REF NO	PART NO	QTY	DESCRIPTION
477	820199		SCREW -(Bearing Retainer)
718A	820062		PIN, Locating
747	825098		HOUSING, Flywheel -(KTR) (Small Pilot, 2 Holes)
747	825113		HOUSING, Flywheel -(KTR)
747A	820248		HOUSING, Flywheel -(SAE)
849	820199		SCREW -(Stub Shaft)
1009A	820451		SCREW -(Starter Motor) (SAE Housings)
1009A	820265		SCREW -(Starter Motor) (General Housings)
1010A	825079		RETAINER, Bearing
1044	820080		SCREW -(Flywheel)
1047	825268		SHAFT, Stub -(1 1/8 Diameter Shaft) (3 3/4 Length)
1047	825269		SHAFT, Stub -(1 1/8 Diameter Shaft) (4 1/5 Length)
1047	825078		SHAFT, Stub -(1 7/16 Diameter Shaft)
1047	825123		SHAFT, Stub -(1 Diameter Shaft)
1089	820070		NUT -(Flywheel Housing)
1096	820241		SCREW -(Flywheel Housing)
1096A	820450		SCREW -(Flywheel Housing)

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
3	821326	Seal-Oil (Magneto Side)	527A	820047	Clamp-Tube	1181	820029	Screw (Ignition Trigger)
233	825758	Cover-Timing Gear	718B	820061	Pin-Locating	1181A	820013	Screw (Ignition Trigger)
319	820425	Screw (Timing Gear Cover)	809	820069	Nut (Timing Gear Cover)	1445	820377	Gasket- Timing Gear Cover
319A	820029	Screw (Timing Gear Cover)	1086	825009	Trigger-Ignition			
319B	820027	Screw (Timing Gear Cover)						

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

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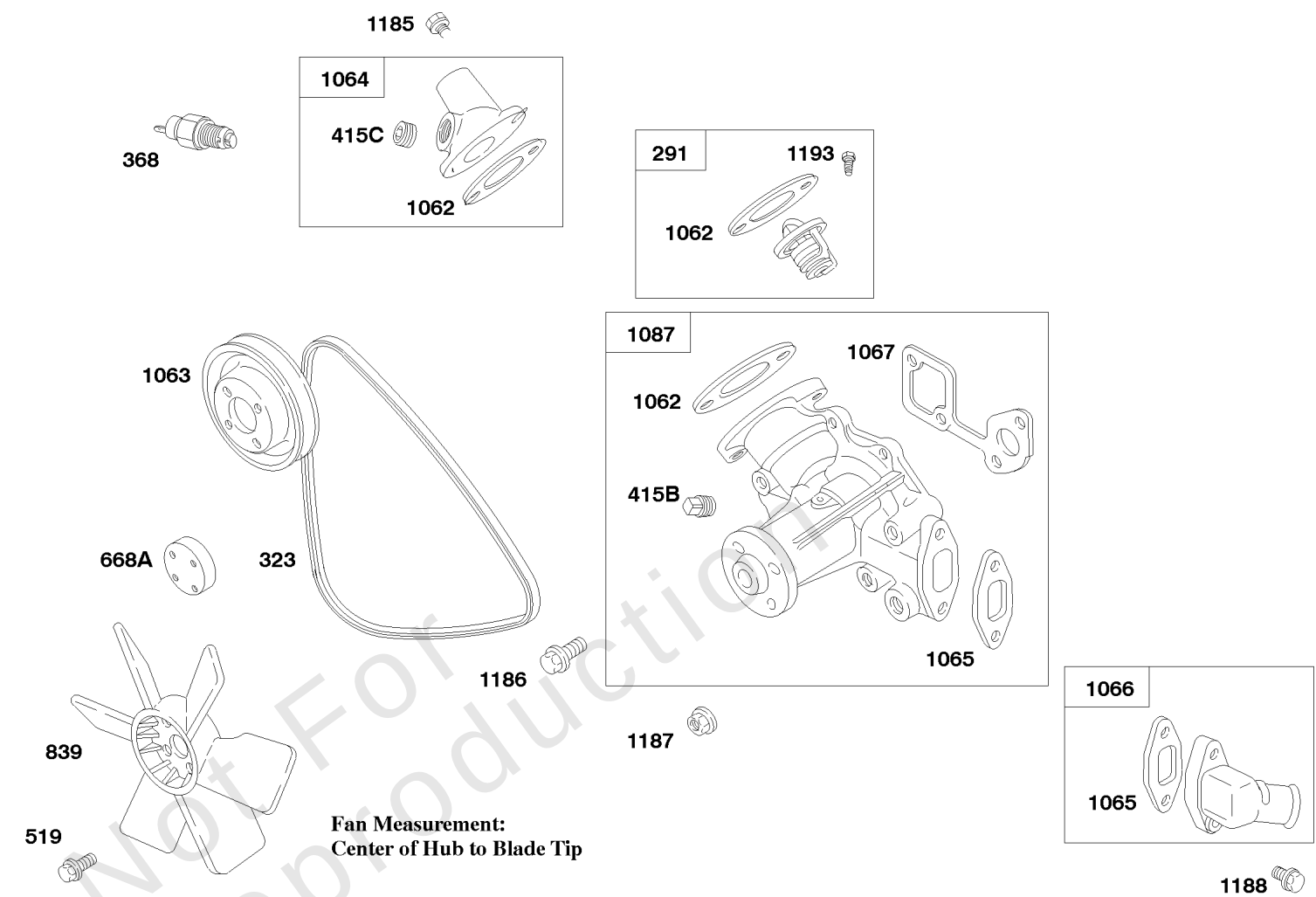
Assemblies include all parts shown in frames.

09/16/2010

Timing Gear Cover, Ignition Trigger

REF NO	PART NO	QTY	DESCRIPTION
3	821326		SEAL, Oil -(Magneto Side)
233	825758		COVER, Timing Gear
319	820425		SCREW -(Timing Gear Cover)
319A	820029		SCREW -(Timing Gear Cover)
319B	820027		SCREW -(Timing Gear Cover)
527A	820047		CLAMP, Hose
718B	820061		PIN, Locating
809	820069		NUT -(Timing Gear Cover)
1086	825009		TRIGGER, Ignition
1181	820029		SCREW -(Ignition Trigger)
1181A	820013		SCREW -(Ignition Trigger)
1445	820377		GASKET, Gear Cover/Housing

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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
291	825064	Thermostat	839	825454	Fan-Radiator (320mm)	1063	820095	Pulley-Pump
323	821075	Belt-Vee (940mm)	----- Note -----			1064	825074	Housing-Outlet
		----- Note -----				1065	820098	Gasket-Inlet Housing
		820893 Belt-Vee (970mm)		825136	Fan-Radiator (320mm, Puller)	1066	825051	Housing-Inlet
		Used on Type No(s). 0225, 0381.			Used on Type No(s). 0130, 0131, 0224, 0231.	1067	820100	Gasket-Water Pump
368	820208	Switch-Water Temperture		825223	Fan-Radiator (290mm, Puller)	1087	825265	Pump-Water
415B	820182	Plug (Water Pump)			Used on Type No(s). 0105, 0125.	----- Note -----		
415C	820052	Plug (Outlet Housing)		821013	Fan-Radiator (340mm)			825565 Pump-Water
519	821233	Screw (Radiator Fan)			Used on Type No(s). 0235.			Used on Type No(s). 0211, 0381, 0411, 0481.
		----- Note -----		825538	Fan-Radiator (310mm, Pusher)	1185	820031	Screw (Outlet Housing)
		820030 Screw (Radiator Fan)			Used on Type No(s). 0376, 0377, 0381.	1186	820022	Screw (Water Pump)
668A	820218	Spacer (Radiator Fan)	1062	820093	Gasket-Outlet Housing	1187	820181	Nut (Water Pump)
						1188	820031	Screw (Inlet Housing)
						1193	820185	Screw (Thermostat)

Engine Gasket Set - Reference 358
Valve Gasket Set - Reference 1095

Water Pump, Fan

REF NO	PART NO	QTY	DESCRIPTION
291	825064		THERMOSTAT
323	821075		BELT, Vee -(940mm)
368	820208		SWITCH, Water Temperature
415B	820182		PLUG -(Water Pump)
415C	820052		PLUG -(Outlet Housing)
519	821233		SCREW -(Radiator Fan)
668A	820218		SPACER -(Radiator Fan)
839	825454		FAN, Radiator -(320 mm)
1062	820093		GASKET, Outlet Housing
1063	820095		PULLEY, Pump
1064	825074		HOUSING, Outlet
1065	820098		GASKET, Inlet Housing
1066	825051		HOUSING, Inlet
1067	820100		GASKET, Water Pump
1087	825265		PUMP, Water
1185	820031		SCREW -(Outlet Housing)
1186	820022		SCREW -(Water Pump)
1187	820181		NUT -(Water Pump)
1188	820031		SCREW -(Inlet Housing)
1193	820185		SCREW -(Thermostat)

