

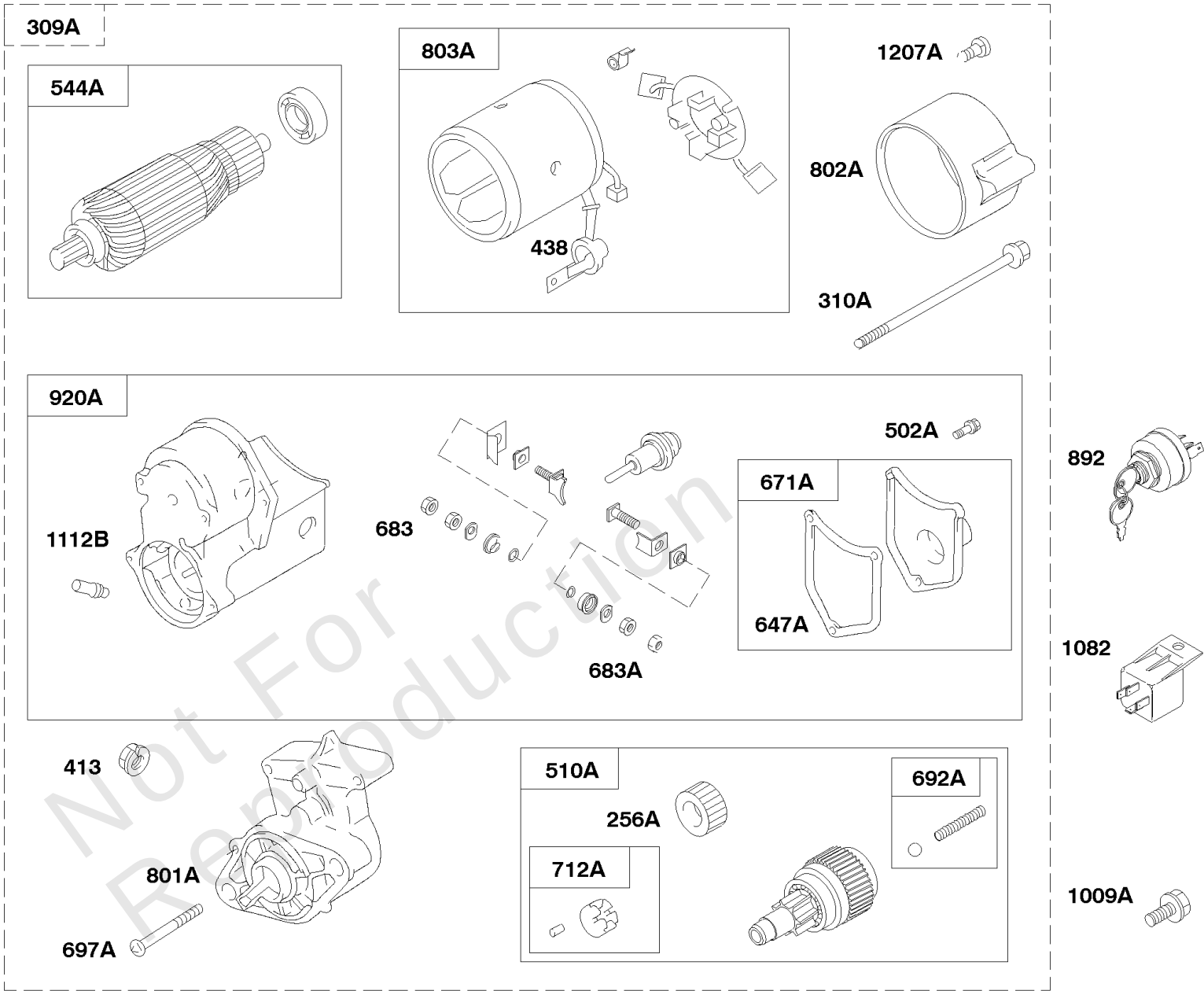


Parts Manual

Mfg. No: 588447-0305-E2

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1.0 KW GREEN/BLUE LABEL

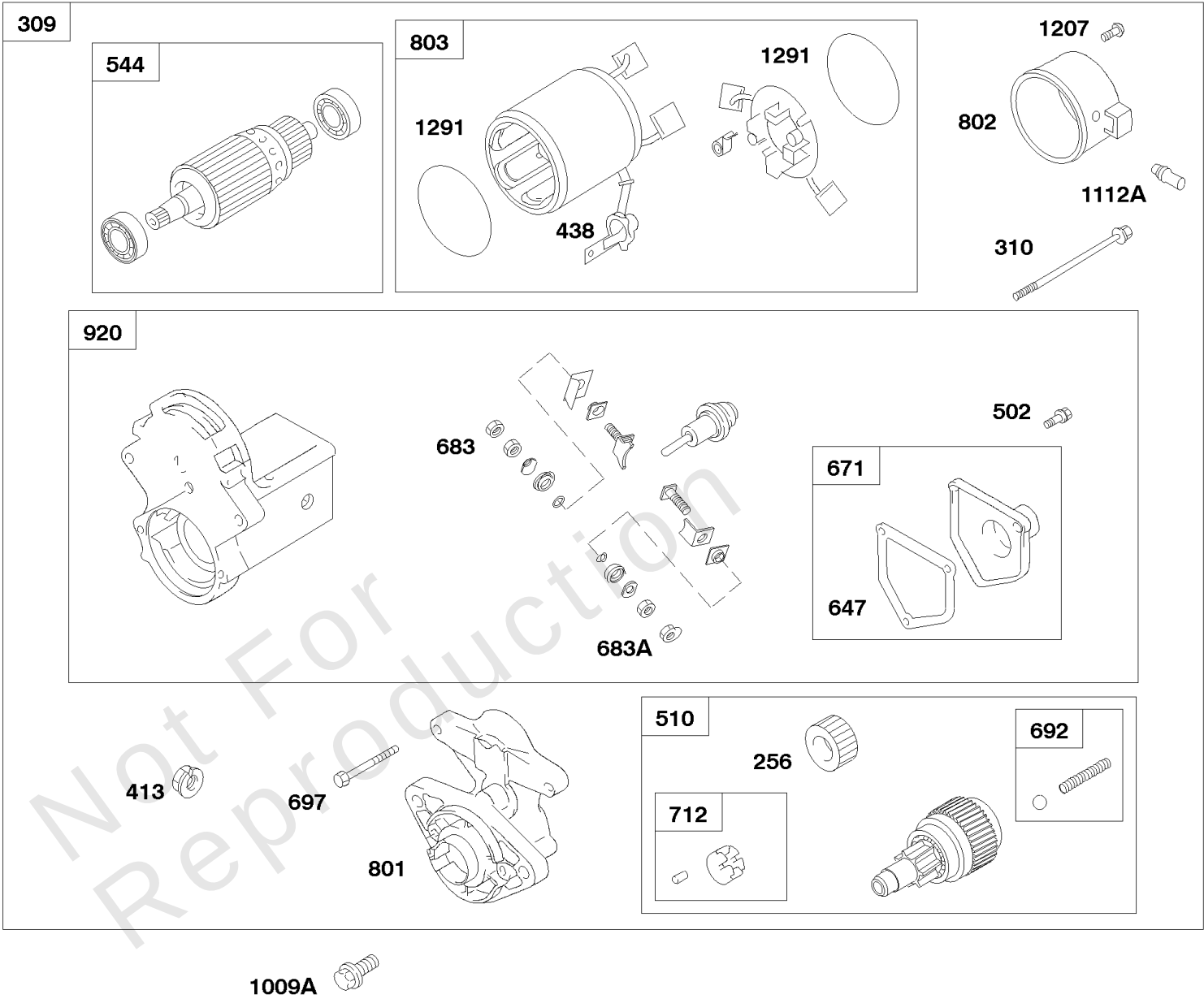


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
256A	820745	Gear-Starter Drive	510A	825394	Drive-Starter	712A	825424	Roller-Clutch
309A	NLA	Motor-Starter (NO LONGER AVAILABLE) (For Replacement Starter Motor, Order Reference 309)	544A	825392	Armature-Starter	801A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

1.0 KW Starter Motor

REF NO	PART NO	QTY	DESCRIPTION
256A	820745		GEAR, Starter Drive
309A	-----		Motor-Starter -(For Replacement Starter Motor, Order 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
1009A	820019		SCREW -(Starter Motor)
1082	820455		RELAY, Starter
1112B	820737		PLUG, Vent -(Starter Solenoid)
1207A	820754		SCREW -(End Cap)

1.2 KW PURPLE/BROWN LABEL

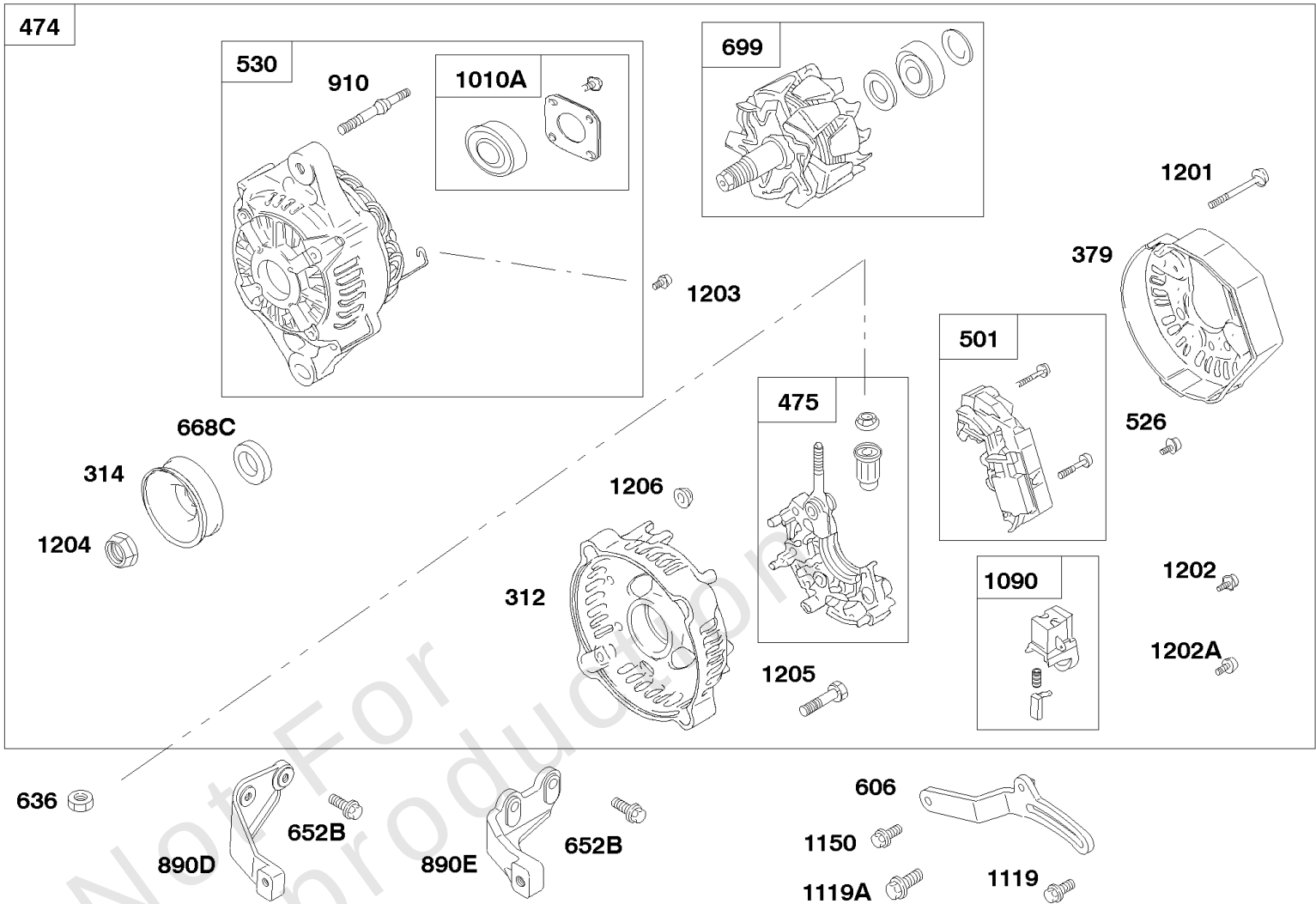


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
256	820767	Gear-Starter Drive	647	820719	Gasket-Solenoid Cover	712	825401	Roller-Clutch
309	825700	Motor-Starter	671	825422	Cover-Solenoid	801	825408	Cap-Drive
310	820773	Bolt (Starter Motor)	683	820723	Nut (Starter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

1.2 KW Starter Motor

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	825422		COVER, Solenoid
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	825408		CAP, Drive
802	820771		CAP, End
803	825423		HOUSING, Starter
920	825410		SOLENOID, Starter
1009A	820019		SCREW -(Starter Motor)
1112A	820779		PLUG, Vent -(End Cap)
1207	820775		SCREW -(End Cap)
1291	820769		SEAL, O-Ring -(Starter Housing) (Starter Housing)

40 and 60 AMP

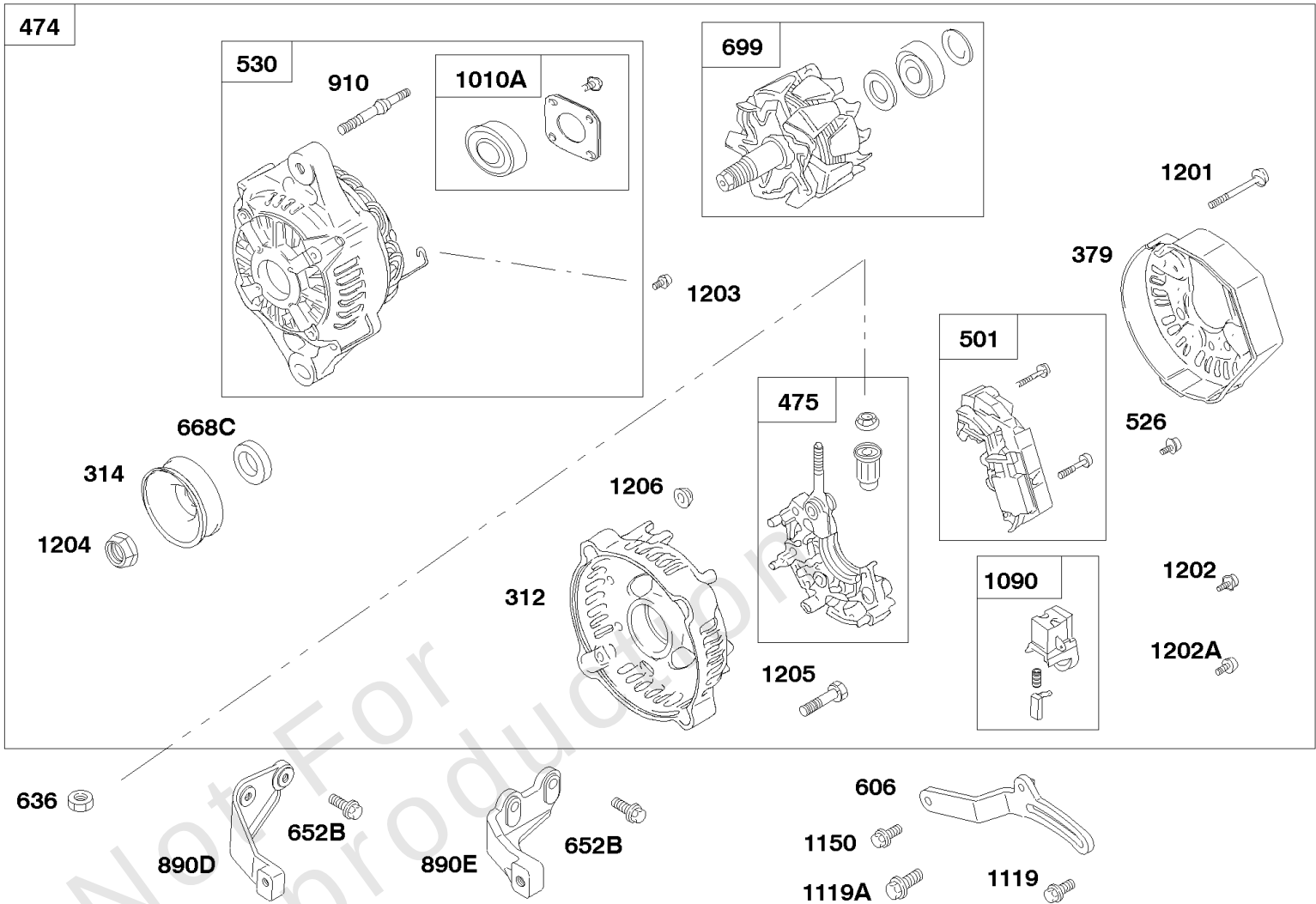


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
312	820938	Housing-Brush End (40 Amp)	526	820702	Screw (Regulator)	1010A	825384	Retainer-Bearing
		----- Note -----	530	825526	Housing-Drive End (40 Amp)	1090	825387	Retainer-Brush
		821058 Housing-Brush End (60 Amp)			----- Note -----	1119	820483	Screw (Alternator)
314	820711	Pulley-Alternator			825579 Housing-Drive End (60 Amp)	1119A	820270	Screw (Alternator)
379	820703	Cover-Brush	606	820819	Strap-Adjusting (Alternator)	1150	820023	Screw (Adjusting Strap)
474	825524	Alternator (40 Amp)	636	820069	Nut (Starting Switch)	1201	820715	Screw (Brush Cover)
		----- Note -----	652B	820275	Screw (Support Bracket)	1202	820701	Screw (Brush Retainer)
		825577 Alternator (60 Amp)	668C	820713	Spacer (Alternator)	1202A	820702	Screw (Brush Retainer)
475	825385	Rectifier (40 Amp)	699	825390	Rotor Assembly	1203	820702	Screw (Stator Wire)
		----- Note -----	890D	820213	Bracket-Support (40 Amp)	1204	820705	Nut (Alternator Pulley)
		825580 Rectifier (60 Amp)	890E	821062	Bracket-Support (60 Amp)	1205	820707	Screw (Brush End Housing)
501	825388	Regulator (40 Amp)	910	820690	Stud (Alternator)	1206	820709	Nut (Brush End Housing)
		----- Note -----						
		825581 Regulator (60 Amp)						

40 AMP Alternator, 60 AMP Alternator

REF NO	PART NO	QTY	DESCRIPTION
312	820938		HOUSING, Brush End -(40 Amp)
312	821058		HOUSING, Brush End -(60 Amp)
314	820711		PULLEY, Alternator
379	820703		COVER, Brush
474	825524		ALTERNATOR -(40 Amp)
474	825577		ALTERNATOR -(60 Amp)
475	825385		RECTIFIER -(40 Amp)
475	825580		RECTIFIER -(60 Amp)
501	825388		REGULATOR -(40 Amp)
501	825581		REGULATOR -(60 Amp)
526	820702		SCREW -(Regulator)
530	825579		HOUSING, Drive End -(60 Amp)
530	825526		HOUSING, Drive End -(40 Amp)
606	820819		STRAP, Adjusting -(Alternator)
636	820069		NUT -(Starting Switch)
652B	820275		SCREW -(Support Bracket)
668C	820713		SPACER -(Alternator)
699	825390		ROTOR ASSEMBLY
890D	820213		BRACKET, Support -(40 Amp)
890E	821062		BRACKET, Support -(60 Amp)
910	820690		STUD -(Alternator)
1010A	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)

40 and 60 AMP

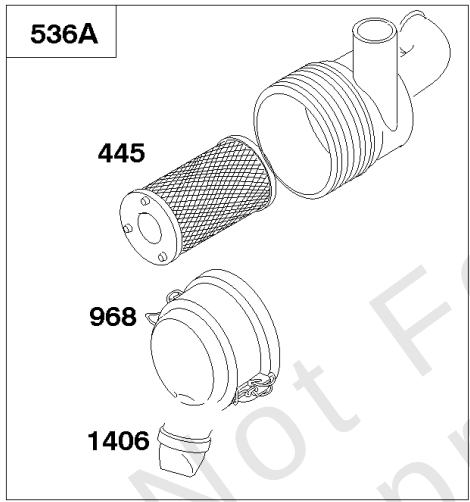
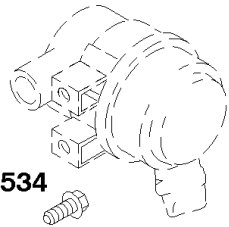
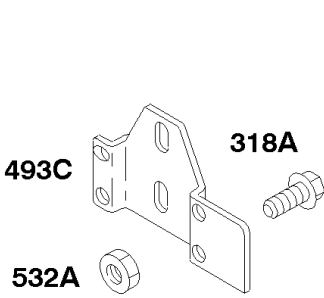
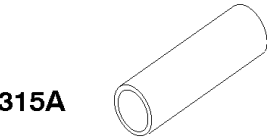
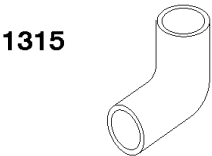
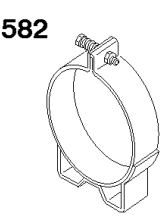
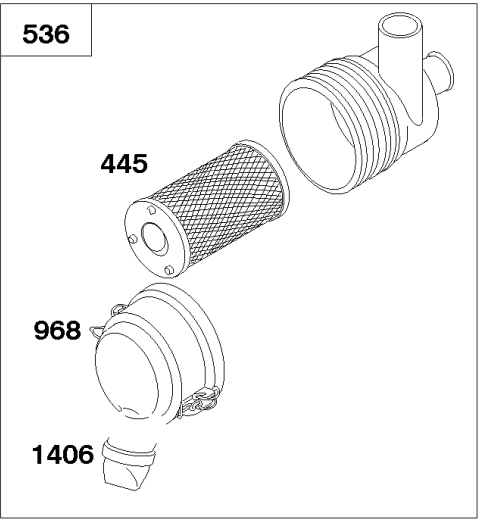


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
312	820938	Housing-Brush End (40 Amp)	526	820702	Screw (Regulator)	1010A	825384	Retainer-Bearing
		----- Note -----	530	825526	Housing-Drive End (40 Amp)	1090	825387	Retainer-Brush
		821058 Housing-Brush End (60 Amp)			----- Note -----	1119	820483	Screw (Alternator)
314	820711	Pulley-Alternator			825579 Housing-Drive End (60 Amp)	1119A	820270	Screw (Alternator)
379	820703	Cover-Brush	606	820819	Strap-Adjusting (Alternator)	1150	820023	Screw (Adjusting Strap)
474	825524	Alternator (40 Amp)	636	820069	Nut (Starting Switch)	1201	820715	Screw (Brush Cover)
		----- Note -----	652B	820275	Screw (Support Bracket)	1202	820701	Screw (Brush Retainer)
		825577 Alternator (60 Amp)	668C	820713	Spacer (Alternator)	1202A	820702	Screw (Brush Retainer)
475	825385	Rectifier (40 Amp)	699	825390	Rotor Assembly	1203	820702	Screw (Stator Wire)
		----- Note -----	890D	820213	Bracket-Support (40 Amp)	1204	820705	Nut (Alternator Pulley)
		825580 Rectifier (60 Amp)	890E	821062	Bracket-Support (60 Amp)	1205	820707	Screw (Brush End Housing)
501	825388	Regulator (40 Amp)	910	820690	Stud (Alternator)	1206	820709	Nut (Brush End Housing)
		----- Note -----						
		825581 Regulator (60 Amp)						

40 AMP Alternator, 60 AMP Alternator

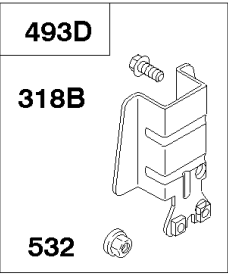
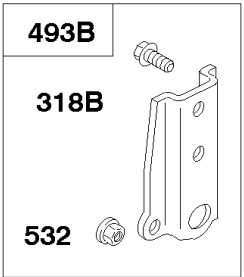
REF NO	PART NO	QTY	DESCRIPTION
1206	820709		NUT -(Brush End Housing)

Not For Reproduction



1315A

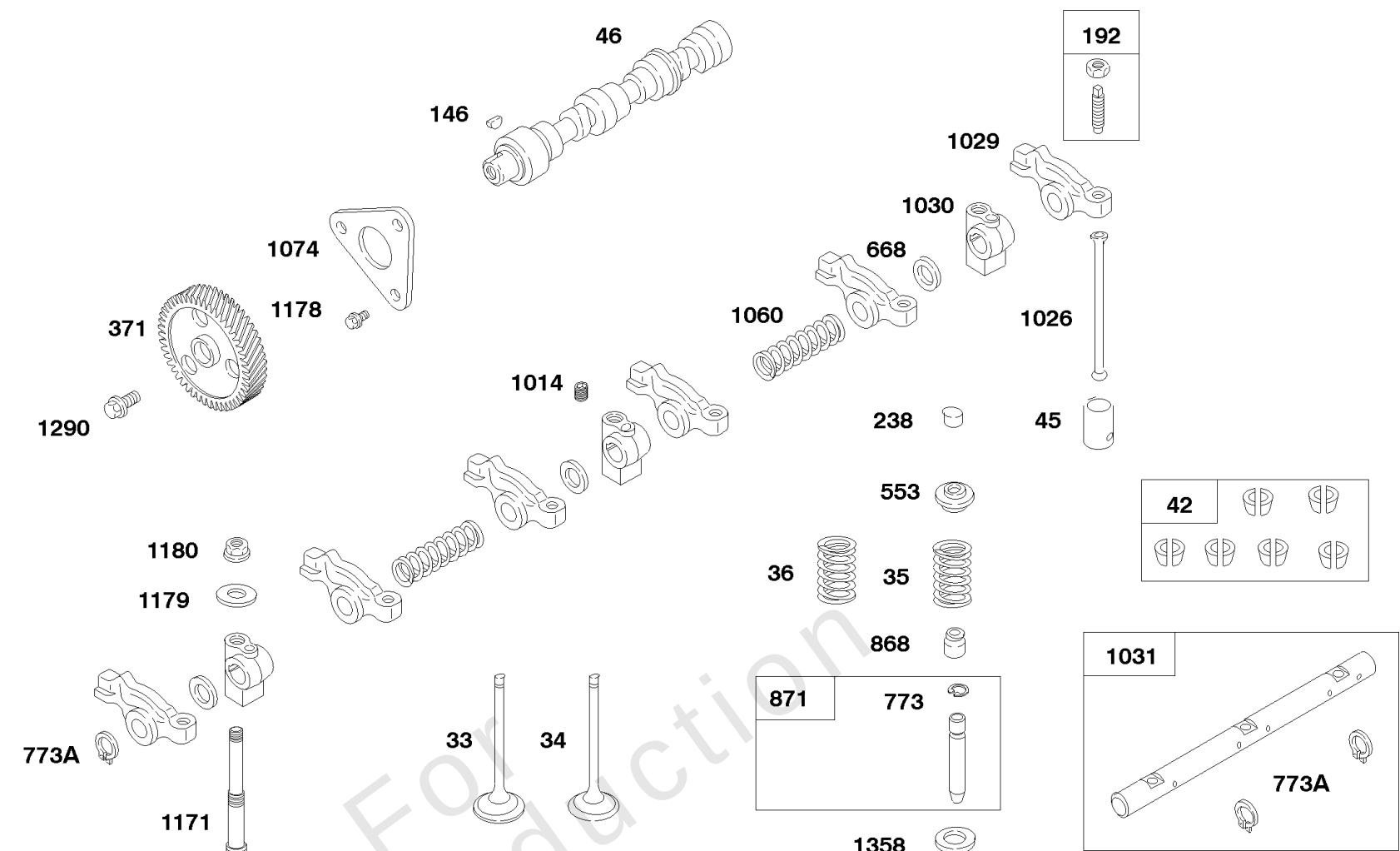
1315B



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
318A	820212	Screw (Mounting Bracket)	532	820011	Nut (Mounting Bracket)	582	820230	Clamp-Air Cleaner
318B	821233	Screw (Mounting Bracket)	532A	820070	Nut (Mounting Bracket)	968	842620	Cover-Air Cleaner
445	820263	Filter-Air Cleaner Cartridge	534	820273	Screw (Air Cleaner)	1315	820554	Hose-Air Cleaner
493B	825106	Bracket-Mounting (Reserve Tank)	536	825117	Cleaner-Air (Vacuum Adaptor)	1315A	820555	Hose-Air Cleaner
493C	820195	Bracket-Mounting (Air Cleaner)	536A	825118	Cleaner-Air (90 Degree Elbow)	1315B	820556	Hose-Air Cleaner
493D	825314	Bracket-Mounting (Reserve Tank)				1406	842623	Valve-Debris

Air Cleaner, Reserve Tank, Radiator Brackets

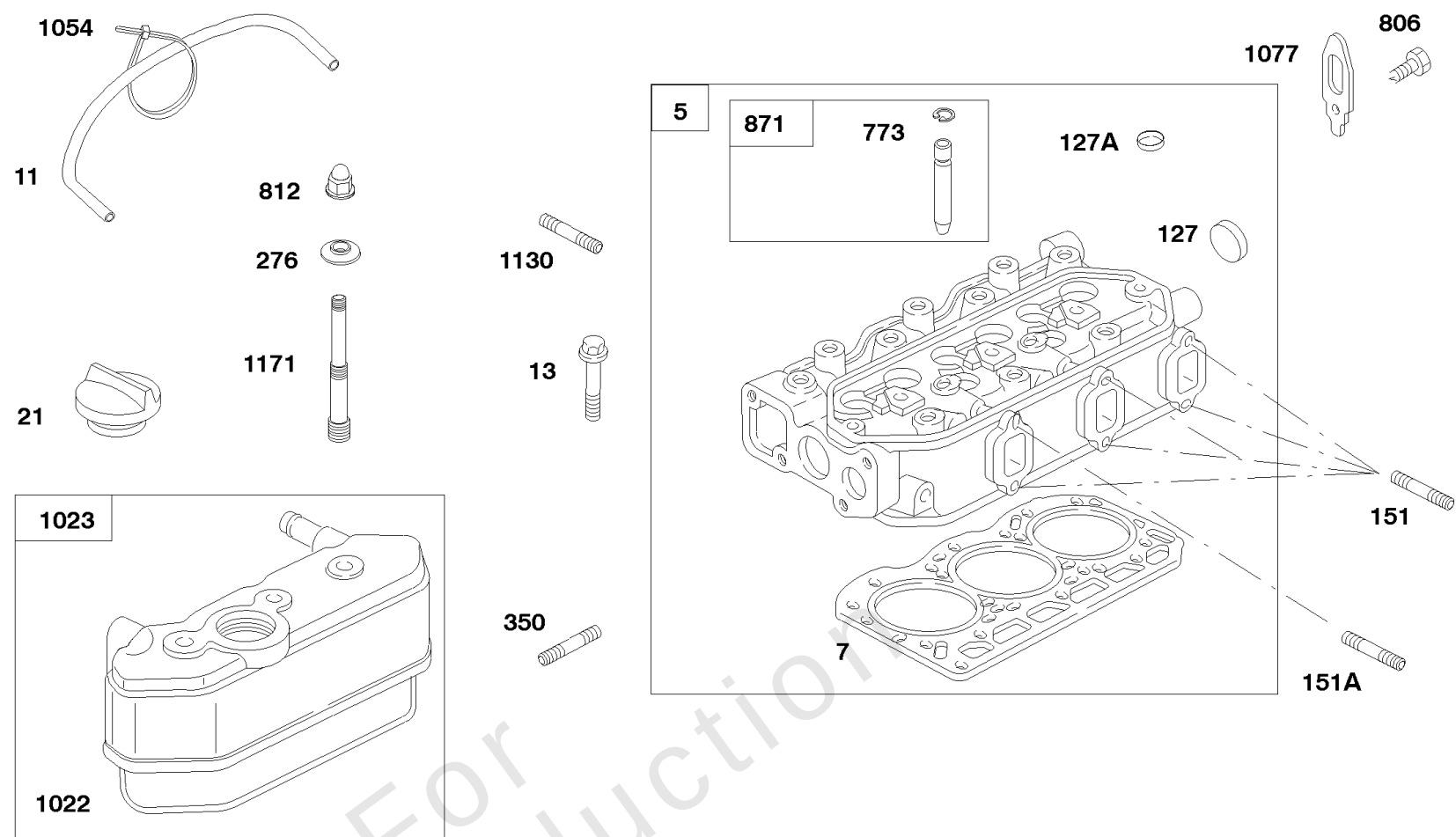
REF NO	PART NO	QTY	DESCRIPTION
318A	820212		SCREW -(Mounting Bracket)
318B	821233		SCREW -(Mounting Bracket)
445	820263		FILTER, A/C Cartridge
493B	825106		BRACKET, Mounting -(Reserve Tank)
493C	820195		BRACKET, Mounting -(Air Cleaner)
493D	825314		BRACKET, Mounting -(Reserve Tank)
532	820011		NUT -(Mounting Bracket)
532A	820070		NUT -(Mounting Bracket)
534	820273		SCREW -(Air Cleaner)
536	825117		CLEANER, Air -(Vacuum Adaptor)
536A	825118		CLEANER, Air -(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



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
33	820404	Valve-Exhaust	238	821214	Cap-Valve (Used After Code Date 04083100).	1026	821218	Rod-Push (Used After Code Date 04083100).
34	820403	Valve-Intake	----- Note -----			----- Note -----		
35	820406	Spring-Valve (Intake)	820113 Cap-Valve (Used Before Code Date 04090100).			820422 Rod-Push (Used Before Code Date 04090100).		
36	820406	Spring-Valve (Exhaust)	371	820613	Gear-Cam	1029	820387	Arm-Rocker
42	825082	Keeper-Valve	553	820111	Retainer-Valve Spring	1030	820106	Support-Rocker Arm
45	820110	Tappet-Valve	668	820065	Spacer (Rocker Arm Shaft) (Includes 3)	1031	825093	Shaft-Rocker Arm
46	820936	Camshaft	773	820130	Retainer (Valve Guide Bushing)	1060	820044	Spring-Rocker Shaft (Includes 2)
146	691639	Key-Timing	773A	820003	Retainer (Rocker Arm Shaft)	1074	820118	Retainer-Camshaft
192	825688	Adjuster-Rocker Arm (Used After Code Date 04083100).	868	820405	Seal-Valve	1171	820076	Stud (Rocker Cover)
----- Note -----			871	825030	Bushing-Valve Guide	1178	820032	Screw (Camshaft Retainer)
825041 Adjuster-Rocker Arm (Used Before Code Date 04090100).			1014	820105	Screw (Rocker Arm Support)	1179	820177	Washer (Rocker Arm Support)
						1180	820070	Nut (Rocker Arm Support)
						1290	820075	Screw (Cam Gear)
						1358	820112	Seat-Valve Spring

Camshaft, Rocker Arm Shaft

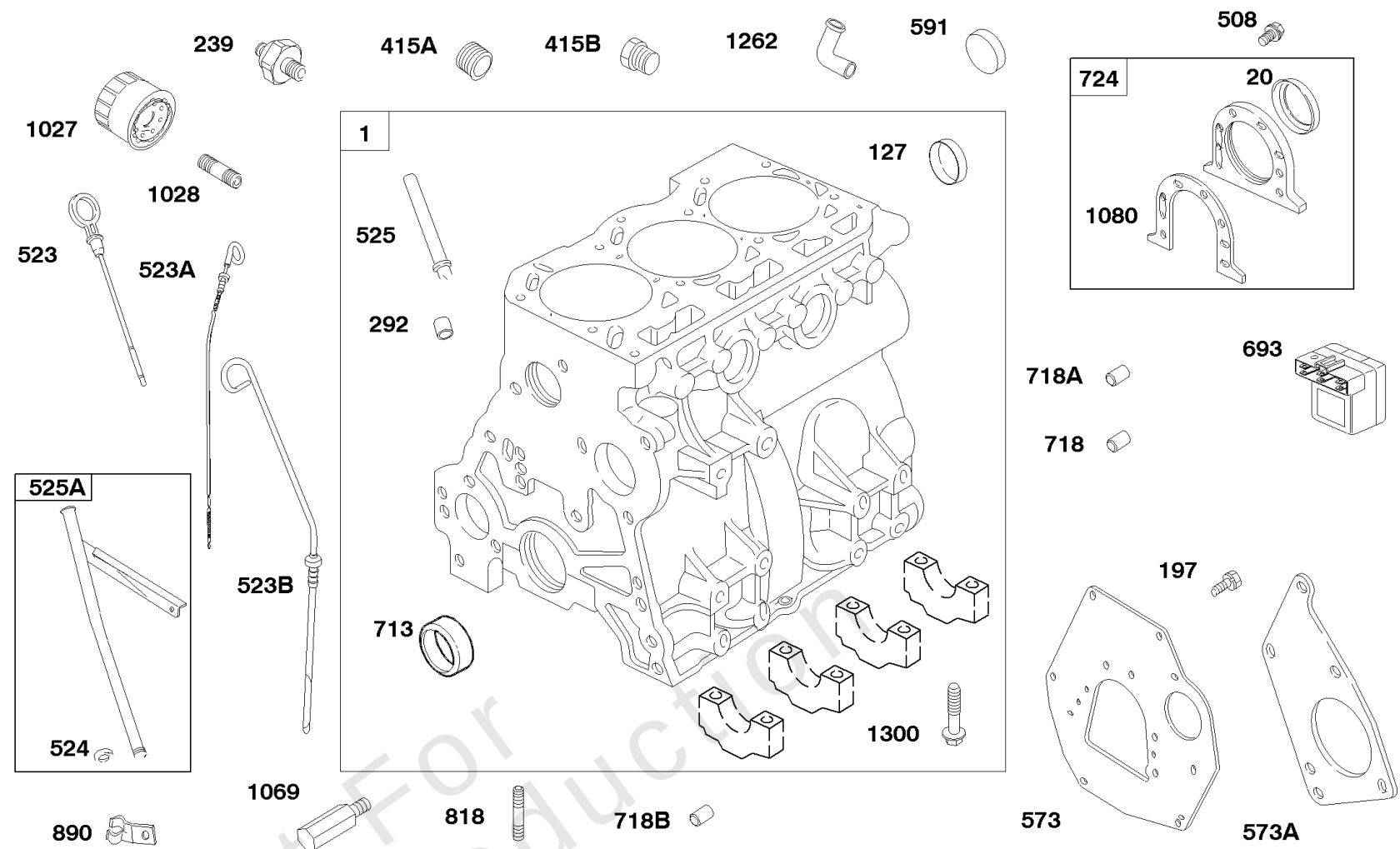
REF NO	PART NO	QTY	DESCRIPTION
33	820404		VALVE, Exhaust
34	820403		VALVE, Intake
35	820406		SPRING, Valve -(Intake)
36	820406		SPRING, Valve -(Exhaust)
42	825082		KEEPER, Valve
45	820110		TAPPET, Valve
46	820936		CAMSHAFT
146	691639		KEY, Woodruff
192	825688		ADJUSTER, Rocker Arm -Used After Code Date 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
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



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
5	825685	Head-Cylinder	350	820078	Stud (Water Pump)	1023	825672	Cover-Rocker (Order Reference 1019, Label Kit and Reference 1036, Emissions Label for Model, Type, Trim)
7	821270	Gasket-Cylinder Head	773	820130	Retainer (Valve Guide Bushing)	1054	280275	Tie-Cable
11	820932	Tube-Breather	806	820212	Screw (Lifting Bracket)	1077	820254	Bracket-Lifting
13	820934	Screw (Cylinder Head)	812	820071	Nut (Rocker Cover)	1130	820015	Stud (Intake Manifold)
21	825024	Cap-Oil Fill (Rocker Cover)	871	825030	Bushing-Valve Guide	1171	820076	Stud (Rocker Cover)
127	820004	Plug-Welch	1022	820150	Gasket-Rocker Cover			
127A	820005	Plug-Welch						
151	820997	Stud (Exhaust Manifold)						
151A	820999	Stud (Exhaust Manifold)						
276	820064	Washer-Sealing (Rocker Cover)						

Cylinder Head, Rocker Cover

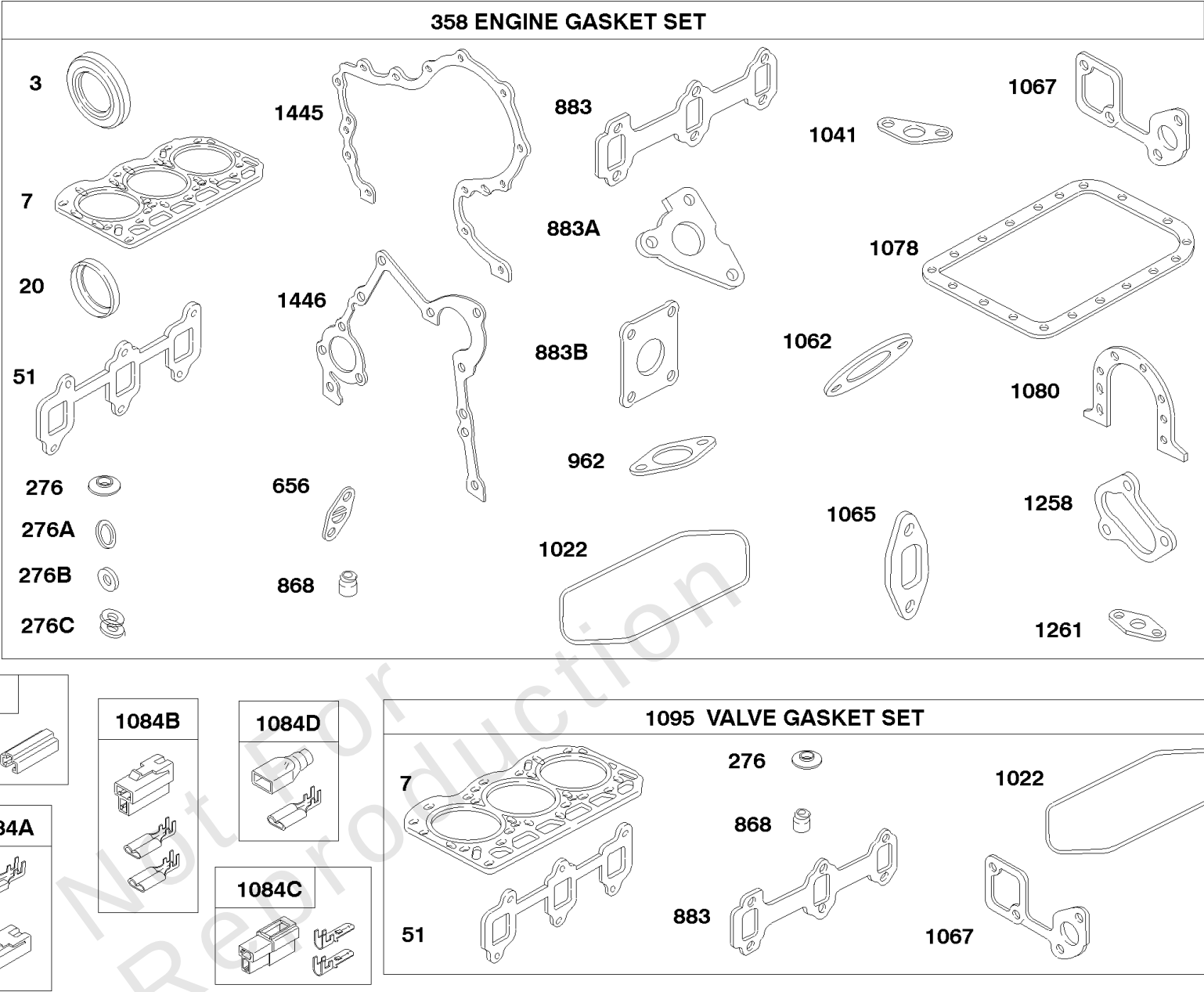
REF NO	PART NO	QTY	DESCRIPTION
5	825685		HEAD, Cylinder
7	821270		GASKET, Cylinder Head
11	820932		TUBE, Breather
13	820934		SCREW -(Cylinder Head)
21	825024		CAP, Oil Fill -(Rocker Cover)
127	820004		PLUG, Welch
127A	820005		PLUG, Welch
151	820997		STUD -(Exhaust Manifold)
151A	820999		STUD -(Exhaust Manifold)
276	820064		WASHER, Sealing -(Rocker Cover)
350	820078		STUD -(Water Pump)
773	820130		RETAINER -(Valve Guide Bushing)
806	820212		SCREW -(Lifting Bracket)
812	820071		NUT -(Rocker Cover)
871	825030		BUSHING, Valve Guide
1022	820150		GASKET, Rocker Cover
1023	825672		COVER, Rocker -(Order Reference 1019, Label Kit, and Reference 1036, Emissions Label,for your Model, Type, Trim with Engine Date Code)
1054	280275		TIE, Cable
1077	820254		BRACKET, Lifting
1130	820015		STUD -(Intake Manifold)
1171	820076		STUD -(Rocker Cover)



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	825599	Cylinder Assembly	524	820654	Seal-Dipstick Tube Used on Type No(s). 0377, 0477.	718A	820062	Pin-Locating
20	821328	Seal-Oil (PTO Side)	525	820144	Tube-Dipstick	718B	820061	Pin-Locating
127	820004	Plug-Welch	525A	820666	Tube-Dipstick Used on Type No(s). 0377, 0477.	724	825731	Retainer-Seal
197	820176	Screw (Back Plate)	573	820170	Plate-Back	818	820016	Stud (Oil Pump Screen)
239	821135	Switch-Oil Pressure	573A	820147	Plate-Back	890	820238	Bracket-Support (Dipstick Tube)
292	820662	Collar-Dipstick Tube	591	821069	Plug-Camshaft	1027	820314	Filter-Oil
415A	820375	Plug (Cylinder)	693	821319	Module-Pre Heat (Used After Code Date 07063000). ----- Note ----- 820373 Module- Pre Heat (Used Before Code Date 07070100).	1028	820851	Adapter-Oil Filter
415B	820182	Plug	713	821299	Bushing-Camshaft	1069	820102	Nozzle-Oil
508	820031	Screw (Seal Retainer)	718	820063	Pin-Locating	1080	820145	Gasket-Seal Retainer
523	821158	Dipstick				1262	821009	Line-Water
523A	820643	Dipstick Used on Type No(s). 0377, 0477.				1300	820042	Screw (Crankshaft Bearing Cap)
523B	820572	Dipstick Used on Type No(s). 0223.						

Cylinder, Dipstick, Oil Filter

REF NO	PART NO	QTY	DESCRIPTION
1	825599		CYLINDER ASSEMBLY
20	821328		SEAL, Oil -(PTO Side)
127	820004		PLUG, Welch
197	820176		SCREW -(Back Plate)
239	821135		SWITCH, Oil Pressure
292	820662		COLLAR, Dipstick Tube
415A	820375		PLUG -(Cylinder)
415B	820182		PLUG
508	820031		SCREW -(Seal Retainer)
523	821158		DIPSTICK
525	820144		TUBE, Dipstick
573	820170		PLATE, Back
573A	820147		PLATE, Back
591	821069		PLUG, Camshaft
693	820373		MODULE, Pre Heat -Used Before Code Date 07070100
693	821319		MODULE, Pre Heat -Used After Code Date 07063000
713	821299		BUSHING, Camshaft
718	820063		PIN, Locating
718A	820062		PIN, Locating
718B	820061		PIN, Locating
724	825731		RETAINER, Seal
818	820016		STUD -(Oil Pump Screen)
890	820238		BRACKET, Support -(Dipstick Tube)
1027	820314		FILTER, Oil
1028	820851		ADAPTER, Oil Filter
1069	820102		NOZZLE, Oil
1080	820145		GASKET, Seal Retainer
1262	821009		LINE, Water
1300	820042		SCREW -(Crankshaft Bearing Cap)

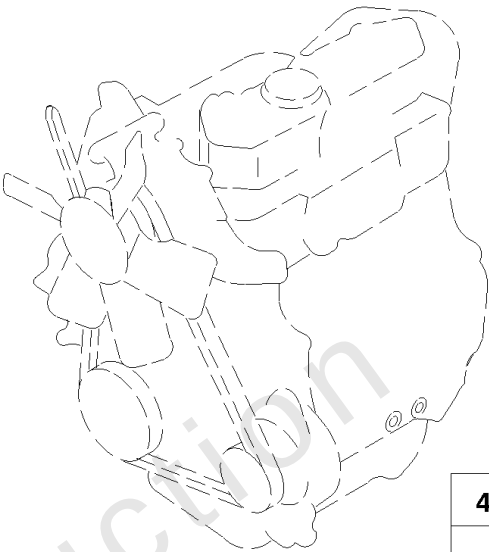
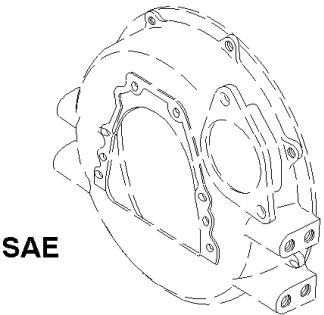
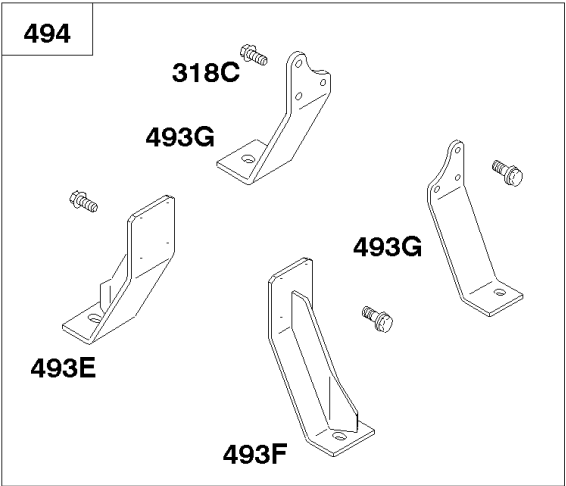


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
3	821326	Seal-Oil (Magneto Side)	656	820962	Gasket-Water Pipe	1078	820137	Gasket-Oil Pan
7	821270	Gasket-Cylinder Head	868	820405	Seal-Valve	1080	820145	Gasket-Seal Retainer
20	821328	Seal-Oil (PTO Side)	883	820817	Gasket-Exhaust (Manifold)	1084	825154	Connector-Terminal
51	820407	Gasket-Intake	883A	820967	Gasket-Exhaust (Turbo Charger)	1084A	825266	Connector-Terminal
276	820064	Washer-Sealing (Rocker Cover)	883B	821001	Gasket-Exhaust	1084B	825157	Connector-Terminal
276A	820582	Washer-Sealing (Oil Drain Plug)	962	820988	Gasket-Air Inlet Pipe	1084C	825156	Connector-Terminal
276B	820950	Washer-Sealing (Oil Inlet Pipe)	1022	820150	Gasket-Rocker Cover	1084D	825160	Connector-Terminal
276C	820952	Washer-Sealing (Oil Inlet Pipe)	1041	820104	Gasket- Oil Pump Screen	1095	825528	Gasket Set-Valve
358	825527	Gasket Set-Engine	1062	820093	Gasket- Outlet Housing	1258	820890	Gasket- Muffler Adapter
			1065	820098	Gasket-Inlet Housing	1261	820973	Gasket-Oil Outlet
			1067	820100	Gasket-Water Pump	1445	820377	Gasket- Timing Gear Cover
						1446	820155	Gasket-Gear Housing

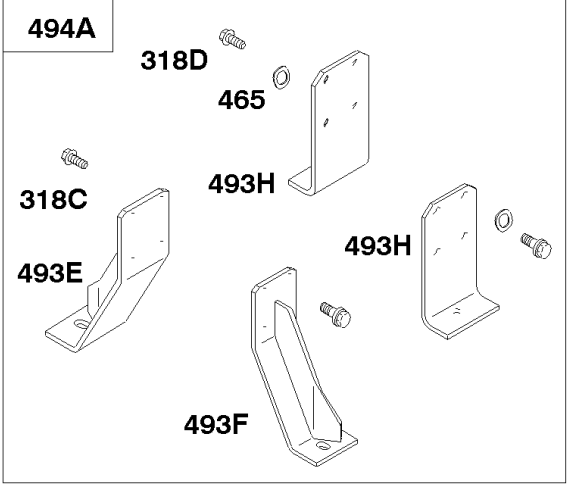
Engine Gasket Set, Valve Gasket Set, Connectors

REF NO	PART NO	QTY	DESCRIPTION
3	821326		SEAL, Oil -(Magneto Side)
7	821270		GASKET, Cylinder Head
20	821328		SEAL, Oil -(PTO Side)
51	820407		GASKET, Intake
276	820064		WASHER, Sealing -(Rocker Cover)
276A	820582		WASHER, Sealing -(Oil Drain Plug)
276C	820952		WASHER, Sealing -(Oil Inlet Pipe)
276B	820950		WASHER, Sealing -(Oil Inlet Pipe)
358	825527		GASKET SET, Engine
656	820962		GASKET, Water Pipe
868	820405		SEAL, Valve
883	820817		GASKET, Exhaust -(Manifold)
883A	820967		GASKET, Exhaust -(Turbo Charger)
883B	821001		GASKET, Exhaust
962	820988		GASKET, Air Inlet Pipe
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
1084D	825160		CONNECTOR, Terminal
1084C	825156		CONNECTOR, Terminal
1084B	825157		CONNECTOR-TERMINAL
1095	825528		GASKET SET, Valve
1258	820990		GASKET, Muffler Adapter
1261	820973		GASKET, Oil Outlet
1445	820377		GASKET, Gear Cover/Housing
1446	820155		GASKET, Gear Cover/Housing

GENERAL MOUNTING



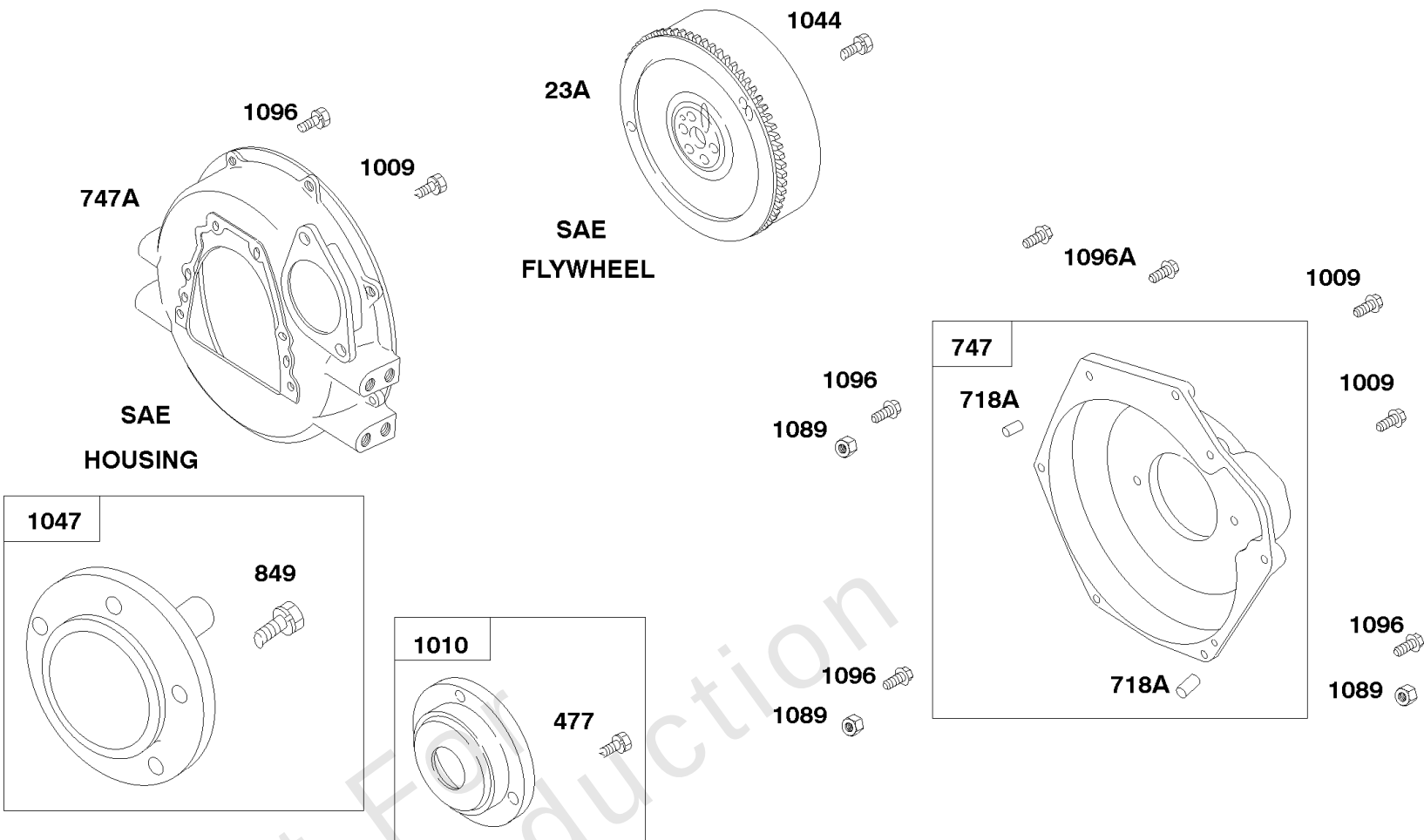
SAE MOUNTING



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 -----	493E	820835	Bracket-Mounting (Right Front) (General and SAE)	494A	825215	Mount-Engine (SAE Mounting)
		820023 Screw (Mounting Bracket) (Use Only When Front Engine Mounts And Radiator Brackets Are Installed)	493F	820832	Bracket-Mounting (Left Front) (General and SAE)			
318D	820306	Screw (Mounting Bracket)	493G	820833	Bracket-Mounting (Rear General)			
			493H	820834	Bracket-Mounting (Rear SAE)			

Engine Mounting Brackets

REF NO	PART NO	QTY	DESCRIPTION
318C	820024		SCREW -(Mounting Bracket) (Engine Mounts Only)
318C	820023		SCREW -(Mounting Bracket) (Use Only When Front Engine Mounts And Radiator Brackets Are Installed)
318D	820306		SCREW -(Mounting Bracket)
465	820449		WASHER -(Mounting Bracket)
493E	820835		BRACKET, Mounting -(Right Front)(General and SAE)
493F	820832		BRACKET, Mounting -(Left Front)(General and SAE)
493G	820833		BRACKET, Mounting -(Rear General)
493H	820834		BRACKET, Mounting -(Rear SAE)
494	825214		MOUNT, Engine -(General Mounting)
494A	825215		MOUNT, Engine -(SAE Mounting)



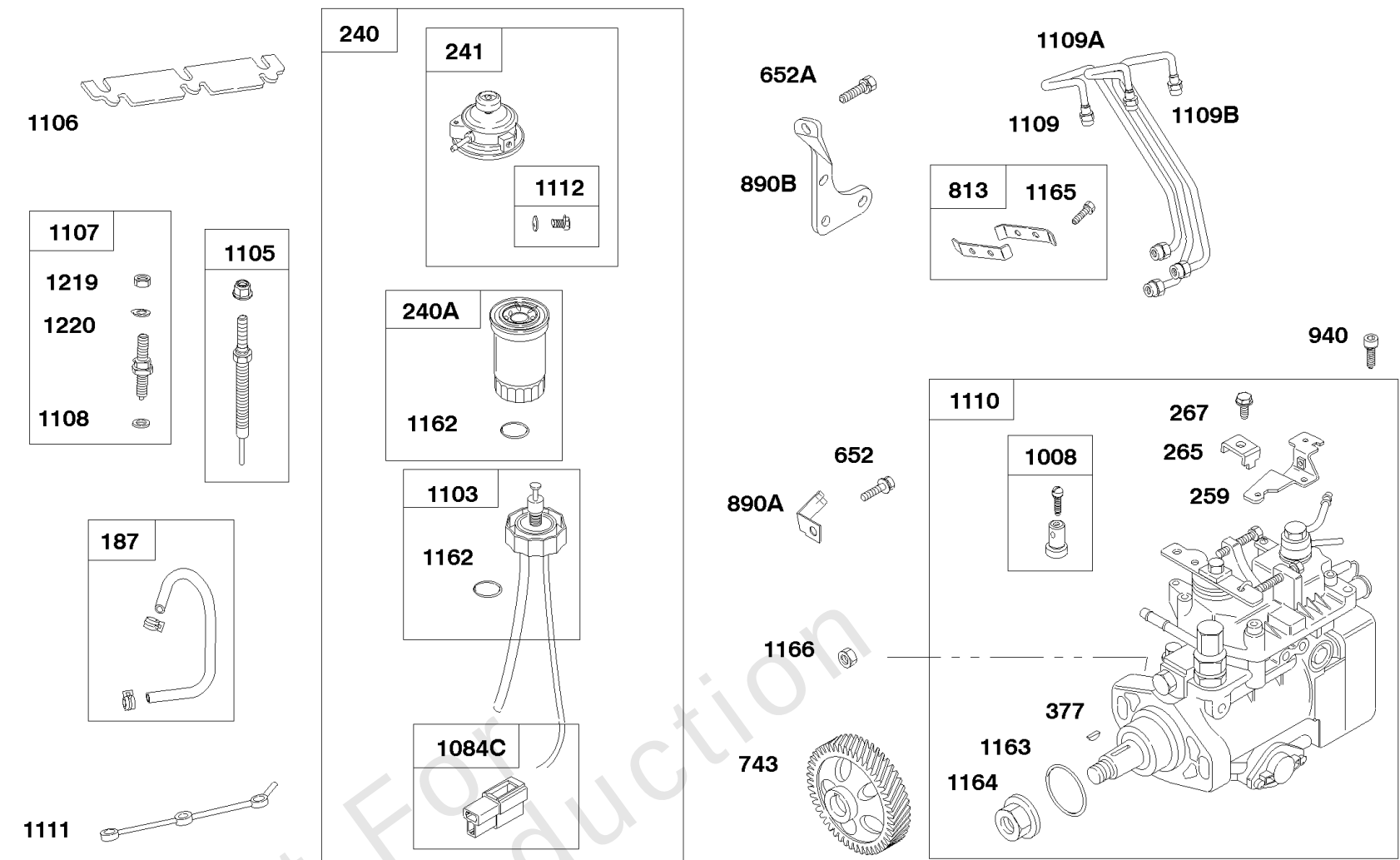
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
23A	825071	Flywheel	849	820212	Screw (Stub Shaft)	1047	825268	Shaft-Stub (1 1/8" Diameter Shaft) (3 3/4" Length)
477	820199	Screw (Bearing Retainer)	1009	820451	Screw (Starter Motor) (Mount Starter To SAE Housings)	----- Note -----		
718A	820062	Pin-Locating	----- Note -----			825078 Shaft-Stub (1 7/16" Diameter Shaft)		
747	825098	Housing-Flywheel (KTR®) (Type "A")	1010	825079	Retainer-Bearing	825123 Shaft-Stub (1" Diameter Shaft)		
----- Note -----			1044	820080	Screw (Flywheel)	825269 Shaft-Stub (1 1/8" Diameter Shaft) (4 1/5" Length)		
747A	820248	Housing-Flywheel (SAE)				1089	820070	Nut (Flywheel Housing)
						1096	820241	Screw (Flywheel Housing)
						1096A	820450	Screw (Flywheel Housing)

Flywheel Housing, Stub Shaft, SAE Flywheel

REF NO	PART NO	QTY	DESCRIPTION
23A	825071		FLYWHEEL
477	820199		SCREW -(Bearing Retainer)
718A	820062		PIN, Locating
747	825098		HOUSING, Flywheel -(Type A)
747	825113		HOUSING, Flywheel -(Type B)
747A	820248		HOUSING, Flywheel -(SAE)
849	820212		SCREW -(Stub Shaft)
1009	820265		SCREW -(Starter Motor) (Mount Starter To General Housings)
1009	820451		SCREW -(Starter Motor) (Mount Starter To SAE Housings)
1010	825079		RETAINER, Bearing
1044	820080		SCREW -(Flywheel)
1047	825269		SHAFT, Stub -(1 1/8 Diameter Shaft) (4 1/5 Length)
1047	825268		SHAFT, Stub -(1 1/8 Diameter Shaft) (3 3/4 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)

Fuel Filter, Fuel Injection Pump

Mfg. No: 588447-0305-E2



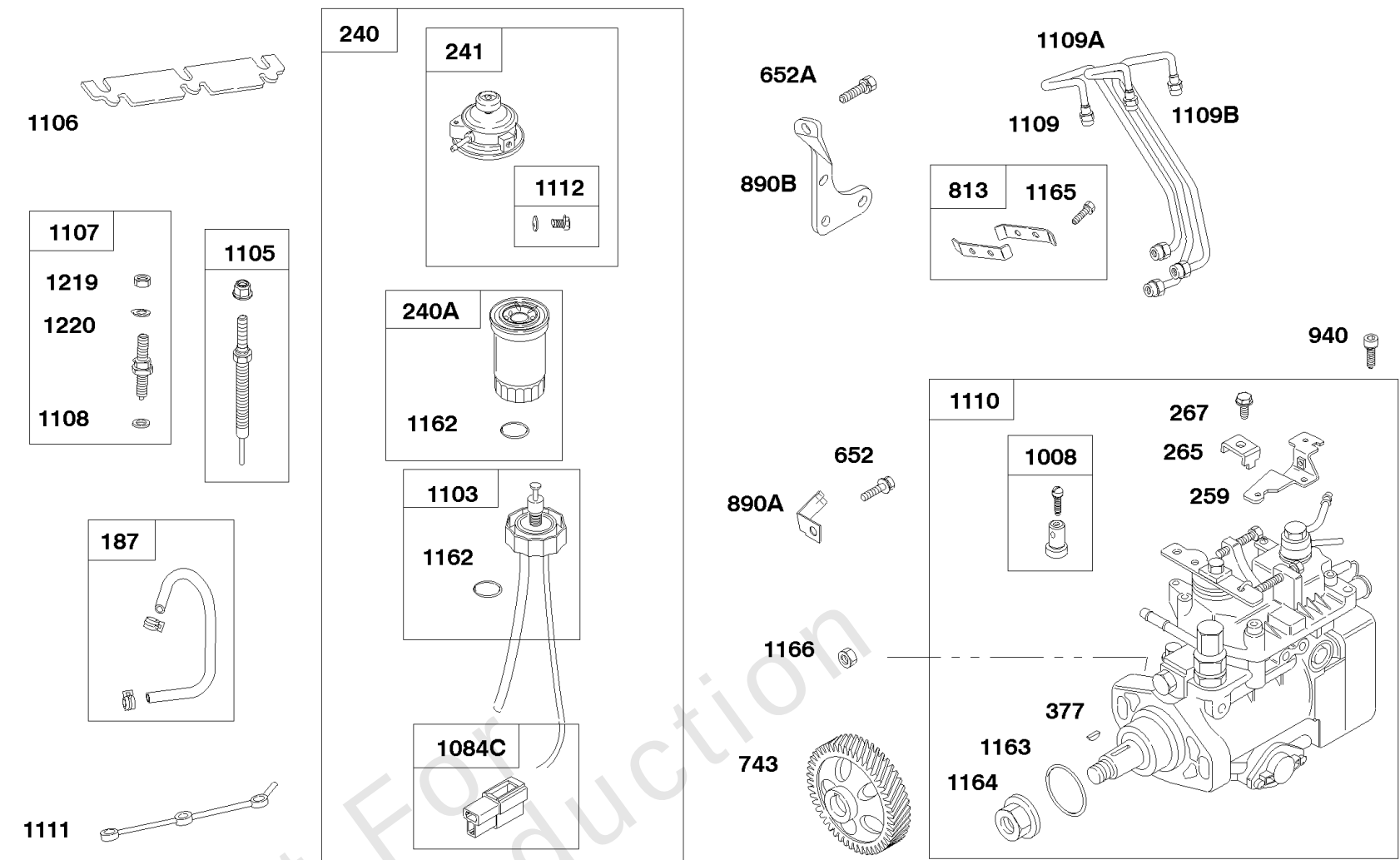
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
187	825741	Line-Fuel (Used After Code Date 06053100). ----- Note ----- 825179 Line-Fuel (Used Before Code Date 06060100).	940	820640	Screw (Casing Clamp Bracket)	1110	825751	Pump-Injection (Used After Code Date 07063000). ----- Note ----- 825518 Pump-Injection (Used Before Code Date 07070100).
240	825219	Filter-Fuel	1008	820467	Clamp-Swivel	1111	820412	Pipe-Fuel Return
240A	820311	Filter-Fuel	1084C	825156	Connector-Terminal	1112	825198	Plug-Vent
241	821251	Cover-Fuel Filter	1103	820347	Sensor-Fuel Filter	1162	820348	Seal-O Ring (Fuel Filter Sensor)
259	820634	Bracket-Casing Clamp	1105	821308	Plug-Glow	1163	820414	Seal-O Ring (Injection Pump) (Shaft)
265	691024	Clamp-Casing	1106	820409	Strap-Glow Plug	1164	820419	Nut (Injection Pump)
267	820012	Screw (Casing Clamp)	1107	825754	Nozzle-Injector (Used After Code Date 07063000). ----- Note ----- 825178 Nozzle-Injector (Used Before Code Date 07070100).	1165	820031	Screw (Clamp)
377	821064	Key-Woodruff (Fuel Injection Pump)	1108	820411	Seat-Injector	1166	820417	Nut (Injection Pump)
652	820593	Screw (Support Bracket)	1109	825194	Pipe-Injector #1 (Cylinder 1)	1219	820829	Nut (Injector Nozzle)
652A	820272	Screw (Support Bracket)	1109A	825195	Pipe-Injector #2 (Cylinder 2)	1220	820831	Washer (Injector Nozzle)
743	820619	Gear-Drive (Fuel Injection Pump)	1109B	825196	Pipe-Injector #3 (Cylinder 3)			
813	825197	Clamp (Injector Pipe)						
890A	820415	Bracket-Support						
890B	820479	Bracket-Support						

Fuel Filter, Fuel Injection Pump

REF NO	PART NO	QTY	DESCRIPTION
187	825741		LINE, Fuel -Used After Code Date 06053100
187	825179		LINE, Fuel -Used Before Code Date 06060100
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 -(Fuel Injection Pump)
813	825197		CLAMP -(Injector Pipe)
890A	820415		BRACKET, Support
890B	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	825178		NOZZLE, Injector -Used Before Code Date 07070100
1107	825754		NOZZLE, Injector -Used After Code Date 07063000
1108	820411		SEAT, Injector
1109	825194		PIPE, Injector -(Cylinder 1)
1109A	825195		PIPE, Injector -(Cylinder 2)
1109B	825196		PIPE, Injector -(Cylinder 3)
1110	825751		PUMP, Fuel Injection -Used After Code Date 07063000
1110	825518		PUMP, Fuel Injection -Used Before Code Date 07070100
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) (Shaft)
1164	820419		NUT -(Injection Pump Shaft)
1165	820031		SCREW -(Clamp)

Fuel Filter, Fuel Injection Pump

Mfg. No: 588447-0305-E2

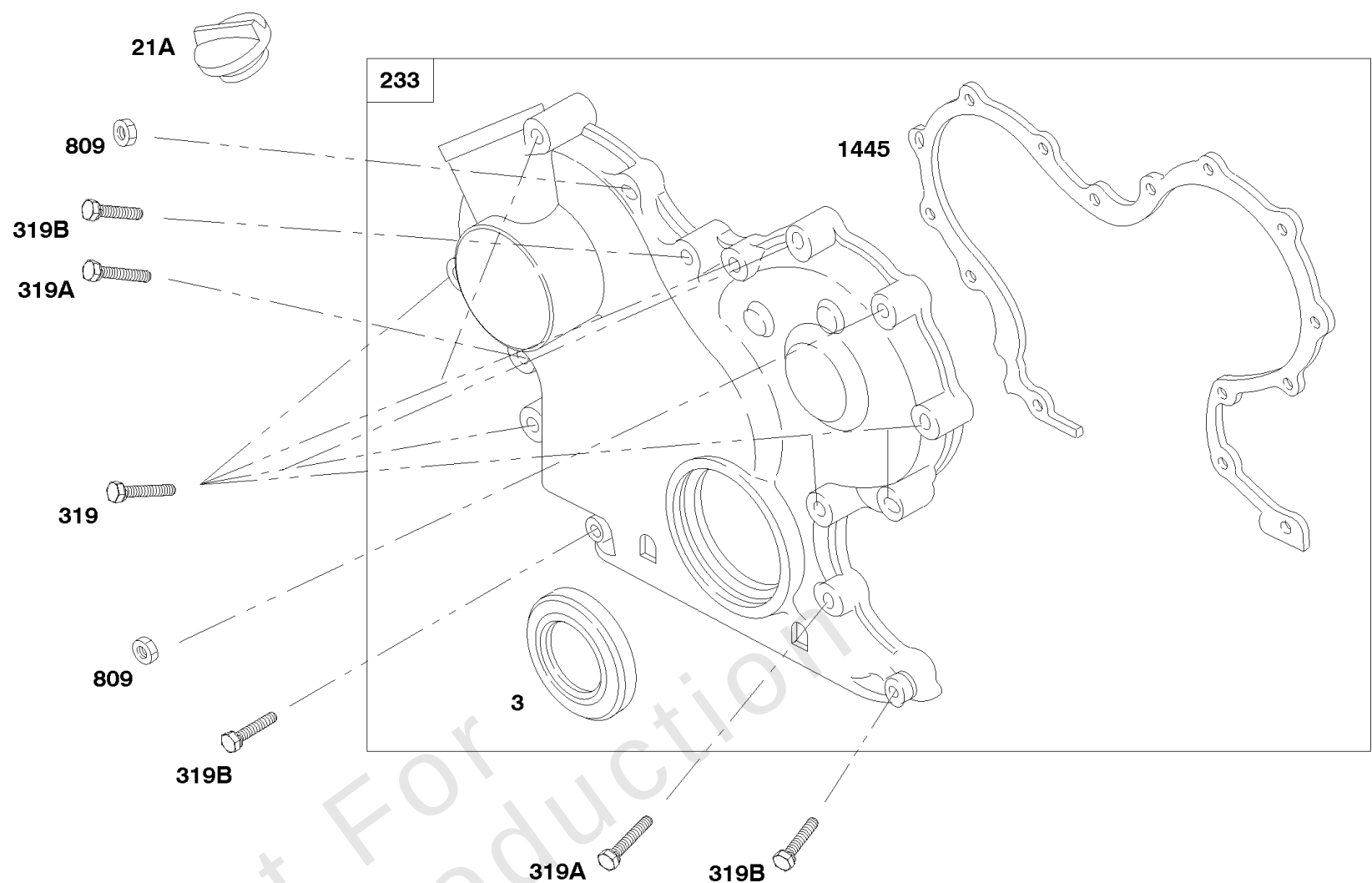


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
187	825741	Line-Fuel (Used After Code Date 06053100). ----- Note ----- 825179 Line-Fuel (Used Before Code Date 06060100).	940	820640	Screw (Casing Clamp Bracket)	1110	825751	Pump-Injection (Used After Code Date 07063000). ----- Note ----- 825518 Pump-Injection (Used Before Code Date 07070100).
240	825219	Filter-Fuel	1008	820467	Clamp-Swivel	1111	820412	Pipe-Fuel Return
240A	820311	Filter-Fuel	1084C	825156	Connector-Terminal	1112	825198	Plug-Vent
241	821251	Cover-Fuel Filter	1103	820347	Sensor-Fuel Filter	1162	820348	Seal-O Ring (Fuel Filter Sensor)
259	820634	Bracket-Casing Clamp	1105	821308	Plug-Glow	1163	820414	Seal-O Ring (Injection Pump) (Shaft)
265	691024	Clamp-Casing	1106	820409	Strap-Glow Plug	1164	820419	Nut (Injection Pump)
267	820012	Screw (Casing Clamp)	1107	825754	Nozzle-Injector (Used After Code Date 07063000). ----- Note ----- 825178 Nozzle-Injector (Used Before Code Date 07070100).	1165	820031	Screw (Clamp)
377	821064	Key-Woodruff (Fuel Injecton Pump)	1108	820411	Seat-Injector	1166	820417	Nut (Injection Pump)
652	820593	Screw (Support Bracket)	1109	825194	Pipe-Injector #1 (Cylinder 1)	1219	820829	Nut (Injector Nozzle)
652A	820272	Screw (Support Bracket)	1109A	825195	Pipe-Injector #2 (Cylinder 2)	1220	820831	Washer (Injector Nozzle)
743	820619	Gear-Drive (Fuel Injection Pump)	1109B	825196	Pipe-Injector #3 (Cylinder 3)			
813	825197	Clamp (Injector Pipe)						
890A	820415	Bracket-Support						
890B	820479	Bracket-Support						

Fuel Filter, Fuel Injection Pump

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

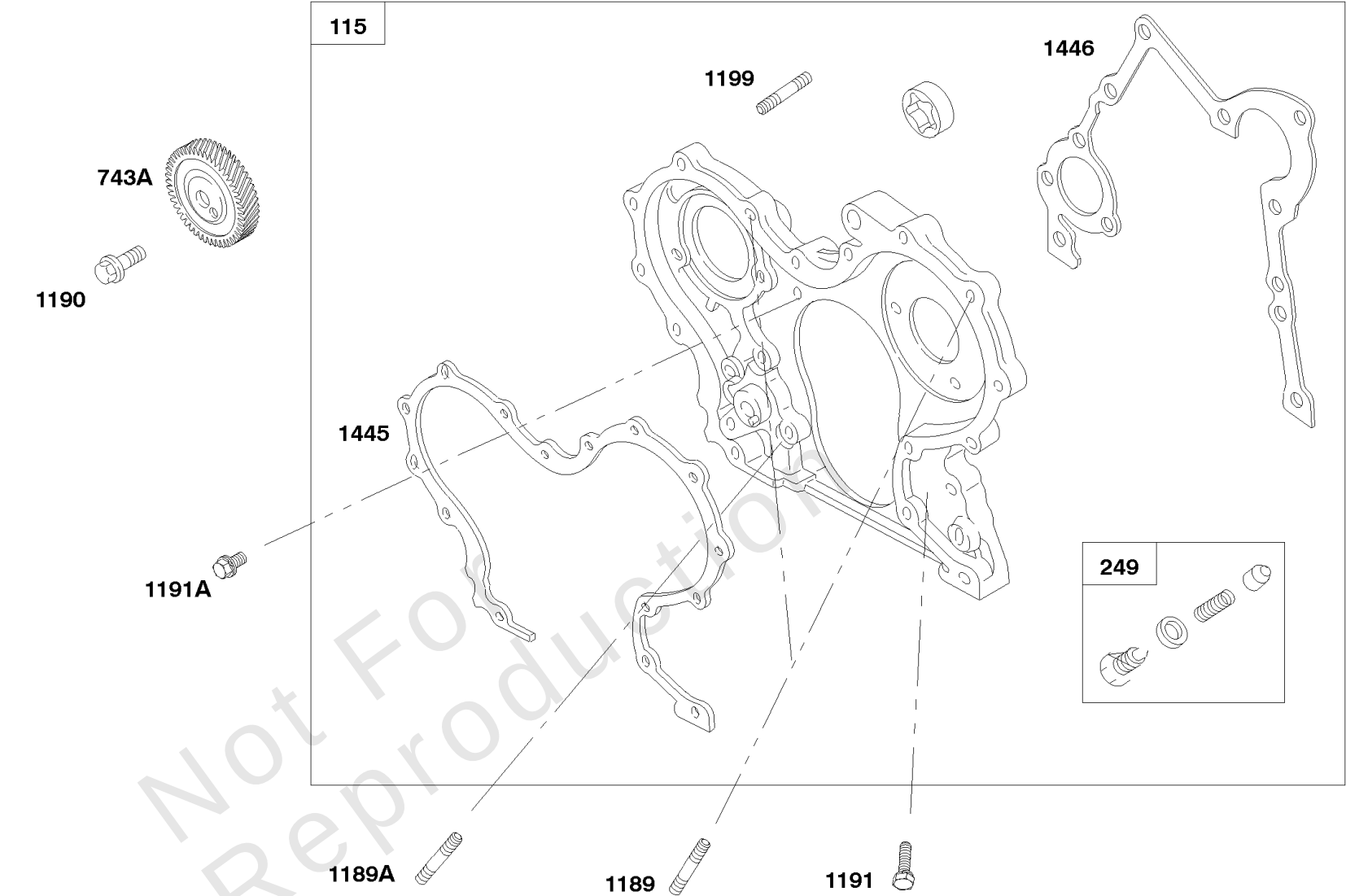
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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
3	821326	Seal-Oil (Magneto Side)	233	825758	Cover-Timing Gear	319	820425	Screw (Timing Gear Cover)
21A	821077	Cap-Oil Fill (Timing Gear Cover) Used on Type No(s). 0223.	----- Note ----- 825760 Cover-Timing Gear Used on Type No(s). 0223.			319A	820029	Screw (Timing Gear Cover)
						319B	820027	Screw (Timing Gear Cover)
						809	820069	Nut (Timing Gear Cover)
						1445	820377	Gasket-Timing Gear Cover

Gear Cover

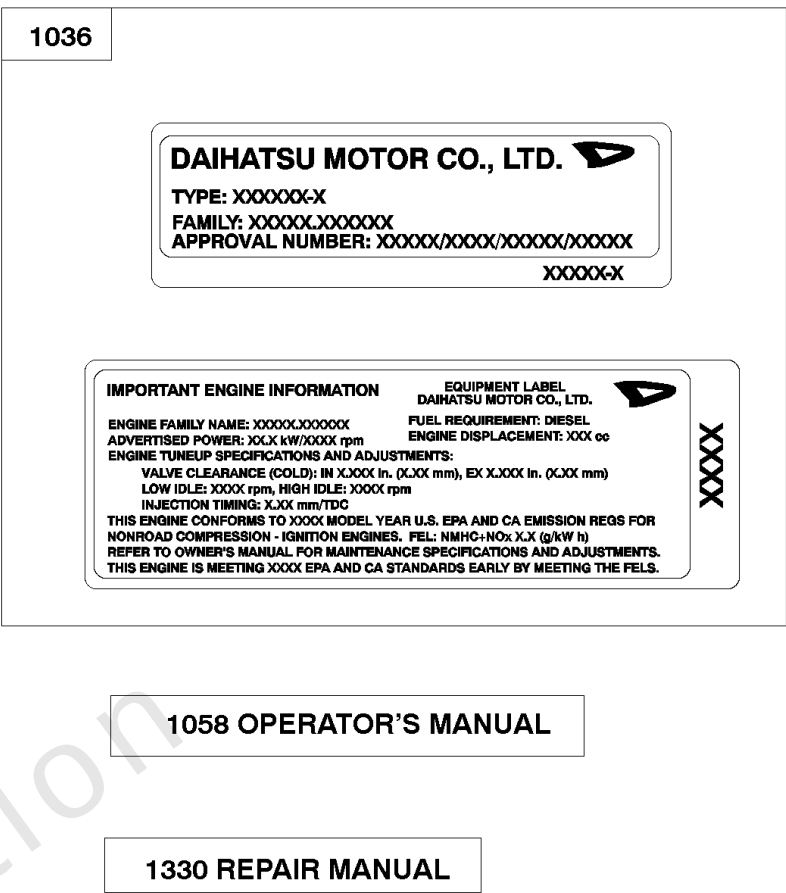
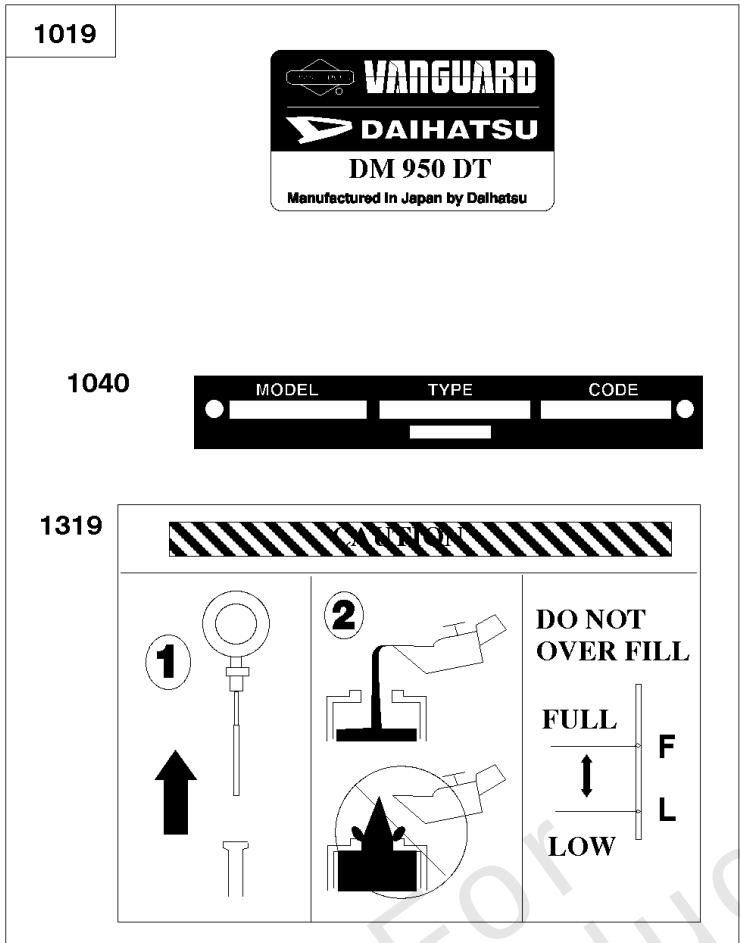
REF NO	PART NO	QTY	DESCRIPTION
3	821326		SEAL, Oil -(Magneto Side)
233	825758		COVER, Timing Gear
319	820425		SCREW -(Timing Gear Cover)
319A	820029		SCREW -(Timing Gear Cover)
319B	820027		SCREW -(Timing Gear Cover)
809	820069		NUT -(Timing Gear Cover)
1445	820377		GASKET, Gear Cover/Housing



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
115	825186	Housing-Gear	1190	820180	Screw (Drive Gear)	1445	820377	Gasket-Timing Gear
249	825032	Valve-Pressure Relief	1191	820030	Screw (Gear Housing)	1446	820155	Gasket-Gear Housing
743A	820615	Gear-Drive (Gear Housing)	1191A	820033	Screw (Gear Housing)			
1189	820156	Stud (Gear Housing)	1199	820426	Stud (Injection Pump)			
1189A	820016	Stud (Gear Housing)						

Gear Housing

REF NO	PART NO	QTY	DESCRIPTION
115	825186		HOUSING, Gear
249	825032		VALVE, Pressure Relief
743A	820615		GEAR, Drive -(Gear Housing)
1189	820156		STUD -(Gear Housing)
1189A	820016		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

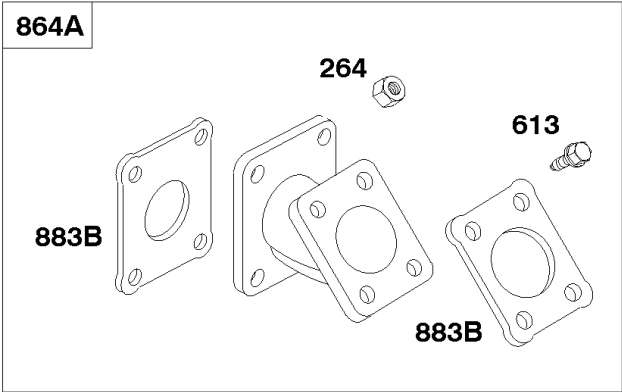
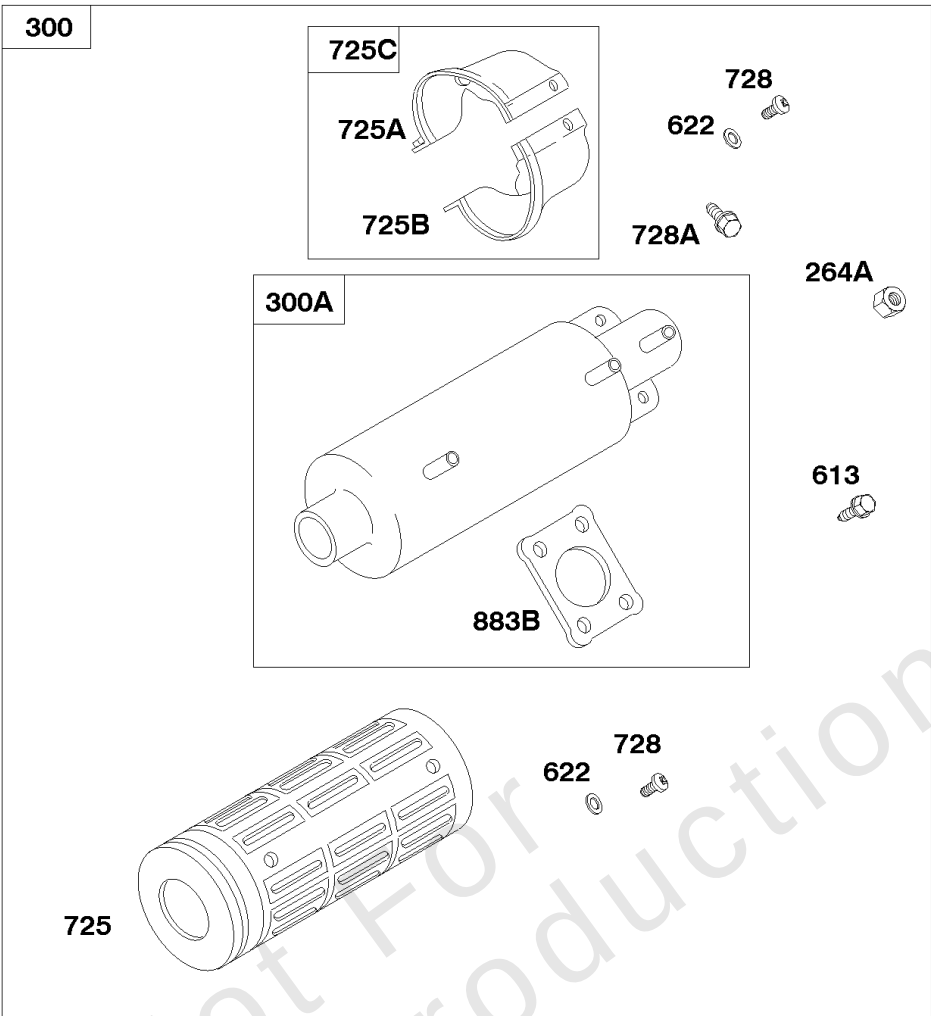


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1019	825634	Kit-Label (Identification Labels)	1040	820290	Plate-Trim	1330	MS1055	Repair Manual (Refer to Repair Manual For Assembly and Torque Requirements)
1036		Label-Emissions (Available from a Briggs & Stratton Authorized Dealer)	1058	277110	Operator's Manual			
			1319	821160	Label-Warning			

Label Kit, Emissions Labels, Operator's Manual

REF NO	PART NO	QTY	DESCRIPTION
1019	825634		KIT, Label -(Identification Labels)
1036	-----		Label-Emissions -(Available From A Briggs & Stratton Authorized Dealer)
1040	820290		PLATE, Trim
1058	277110TRIA		MANUAL, Operator's
1319	821160		LABEL, Warning
1330	MS1055		MANUAL, Repair

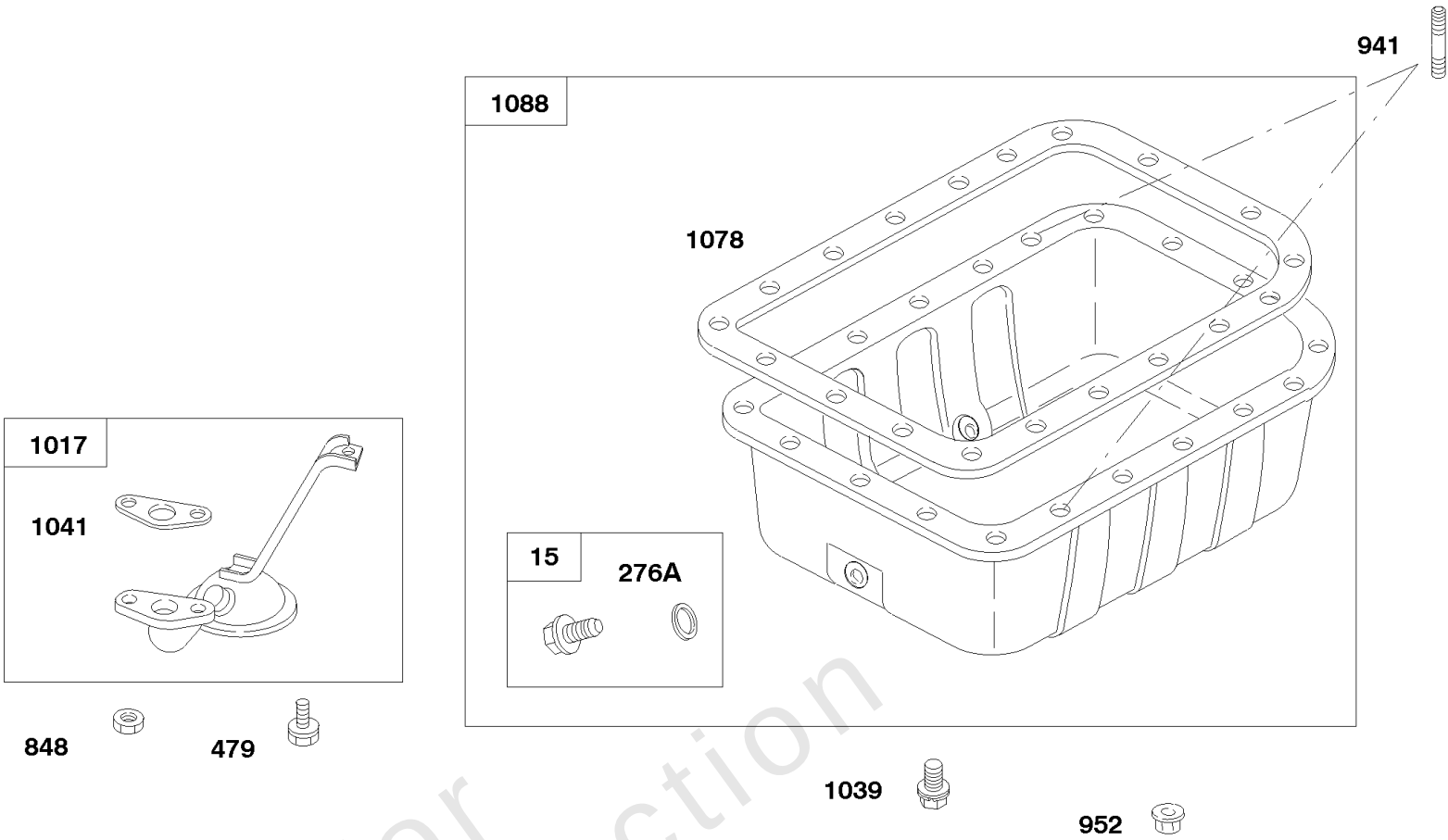
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REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
264A	820178	Nut (Muffler Adapter)	622	820631	Washer (Heat Shield)	728	821011	Screw (Heat Shield)
300	825200	Muffler	725	820628	Shield-Heat	728A	820431	Screw (Heat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

Muffler, Muffler Adapter

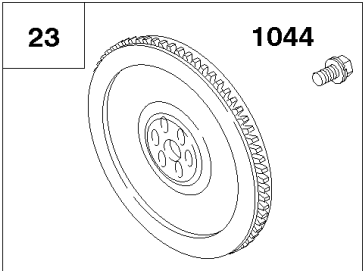
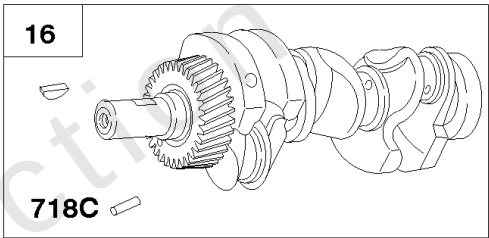
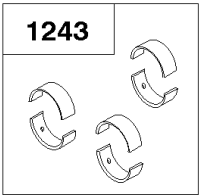
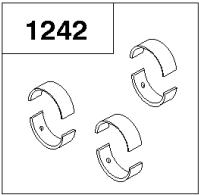
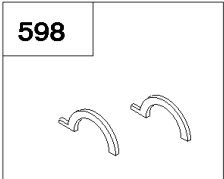
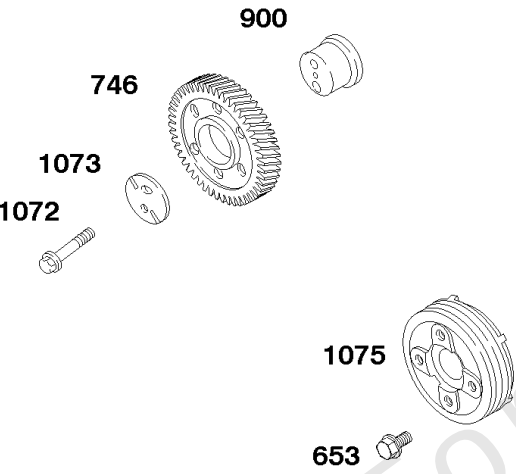
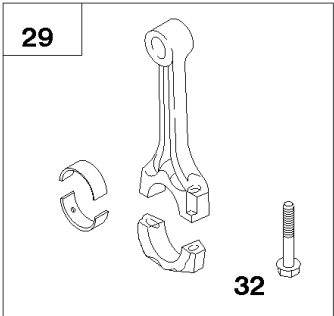
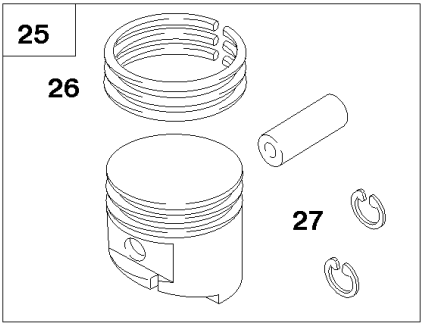
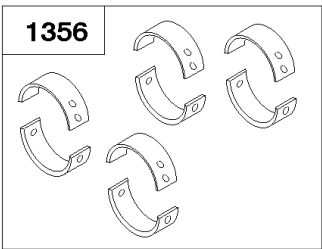
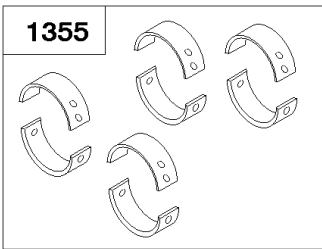
REF NO	PART NO	QTY	DESCRIPTION
264	820969		NUT -(Muffler Adapter)
264A	820178		NUT -(Muffler Adapter)
300	825200		MUFFLER
300A	825550		MUFFLER
613	820023		SCREW -(Muffler)
622	820631		WASHER -(Heat Shield)
725	820628		SHIELD, Heat
725A	820630		SHIELD, Heat
725B	820629		SHIELD, Heat
725C	821409		SHIELD, Heat
728	821011		SCREW -(Heat Shield)
728A	820431		SCREW -(Heat Shield)
864A	825358		ADAPTER, Muffler
883B	821001		GASKET, Exhaust



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
15	825278	Plug-Oil Drain	848	820069	Nut (Oil Pump Screen)	1017	825089	Screen-Oil Pump
276A	820582	Washer-Sealing (Oil Drain Plug)	941	820017	Stud (Oil Pan)	1039	821233	Screw (Oil Pan)
479	821233	Screw (Oil Pump Screen)	952	820068	Nut (Oil Pan)	1041	820104	Gasket- Oil Pump Screen
						1078	820137	Gasket-Oil Pan
						1088	825734	Pan-Oil (Dual Drain)

Oil Pan, Oil Screen

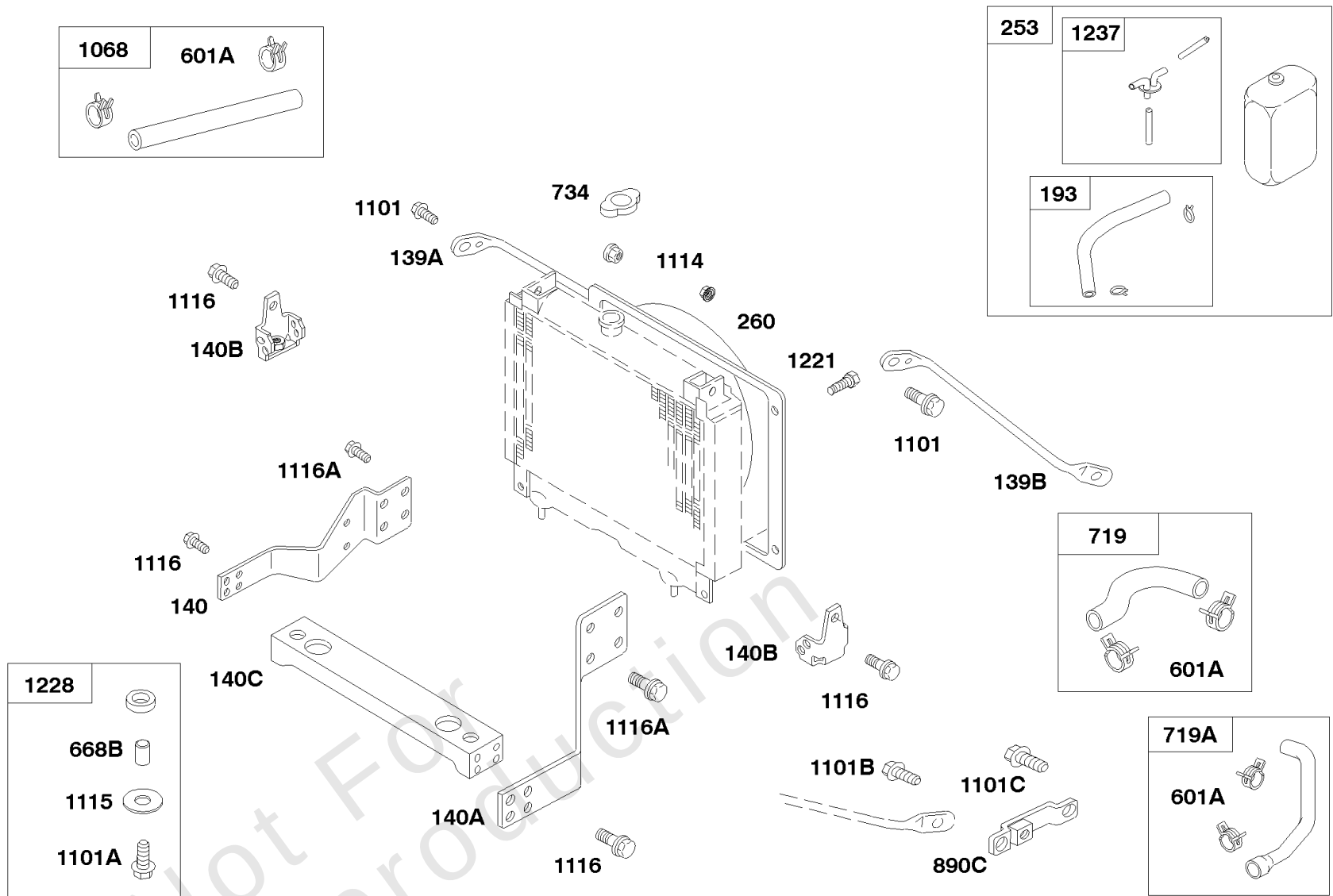
REF NO	PART NO	QTY	DESCRIPTION
15	825278		PLUG, Oil Drain
276A	820582		WASHER, Sealing -(Oil Drain Plug)
479	821233		SCREW -(Oil Pump Screen)
848	820069		NUT -(Oil Pump Screen)
941	820017		STUD -(Oil Pan)
952	820068		NUT -(Oil Pan)
1017	825089		SCREEN, Oil Pump
1039	821233		SCREW -(Oil Pan)
1041	820104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



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
16	825494	Crankshaft	29	825736	Rod-Connecting	718C	820059	Pin-Locating
23	825303	Flywheel	32	820928	Screw (Connecting Rod)	746	820611	Gear-Idler
25	825796	Piston Assembly (Standard)	598	821295	Shim-Endplay (Crankshaft) (Standard)	900	820116	Shaft-Gear
		----- Note -----			----- Note -----	1044	820080	Screw (Flywheel)
		825801 Piston Assembly (.010" Oversize)			821297 Shim-Endplay (Crankshaft) (.005" Oversize)	1072	820081	Screw (Idle Gear Plate)
26	825512	Ring Set (Standard)				1073	820117	Plate-Idle Gear
		----- Note -----				1075	820236	Pulley-Crankshaft
		825514 Ring Set (.010" Oversize)	653	820079	Screw (Crankshaft Pulley)	1242	825739	Bearing Set/STD-Rod
27	820926	Lock-Piston Pin				1243	825740	Bearing Set/010-Rod
						1355	821291	Bearing Set/STD-Main
						1356	821293	Bearing Set/010-Main

Piston, Flywheel, Crankshaft

REF NO	PART NO	QTY	DESCRIPTION
16	825494		CRANKSHAFT
23	825303		FLYWHEEL
25	825796		PISTON ASSEMBLY -(Standard)
25	825801		PISTON ASSEMBLY -(.010 Oversize)
26	825512		SET, Ring -(Standard)
26	825514		SET, Ring -(.010 Oversize)
27	820926		LOCK, Piston Pin
29	825736		ROD, Connecting
32	820928		SCREW -(Connecting Rod)
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
746	820611		GEAR, Idler
900	820116		SHAFT, Gear
1044	820080		SCREW -(Flywheel)
1072	820081		SCREW -(Idle Gear Plate)
1073	820117		PLATE, Idle Gear
1075	820236		PULLEY, Crankshaft
1242	825739		SET, Rod Bearing, Standard
1243	825740		SET, Rod Bearing, 010
1355	821291		SET, Main Bearing, Standard
1356	821293		SET, Main Bearing, 010



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
139A	821041	Support-Radiator (Right Hand)	719	825557	Hose-Radiator	1116	820878	Screw (Radiator Bracket)
139B	821043	Support-Radiator (Left Hand)	719A	825133	Hose_Radiator	1116A	820024	Screw (Radiator Bracket) (Engine Mounts Only)
140	820192	Bracket-Radiator (Right Hand)	734	820258	Cap-Radiator	----- Note -----		
140A	820193	Bracket-Radiator (Left Hand)	890C	820194	Bracket-Support (Radiator)	820023	820023	Screw (Radiator Bracket) (Engine Mounts and Radiator Brackets)
140B	821039	Bracket-Radiator	1068	825045	Hose/Clamp Assembly	----- Note -----		
140C	820255	Bracket-Radiator (Front)	1101	820272	Screw (Radiator Support)	1221	820865	Screw (Fan Shroud) (375mm Fan)
193	825697	Hose-Reserve Tank	1101A	820309	Screw (Radiator Support)	----- Note -----		
253	825462	Tank-Reserve	1101B	820273	Screw (Radiator Support)	820636	820636	Screw (Fan Shroud) (340mm Fan)
260	821019	Shroud-Fan (375mm Fan)	1101C	820452	Screw (Radiator Support)	1228	825135	Mount-Radiator
----- Note -----			1114	820070	Nut (Radiator Support)	1237	825461	Cap/Hose-Reserve (660mm Hose)
820863 Shroud-Fan (340mm Fan)			1115	820296	Washer (Radiator Support)			
601A	820256	Clamp-Hose (Radiator Hose)						
668B	820307	Spacer (Radiator Mount)						

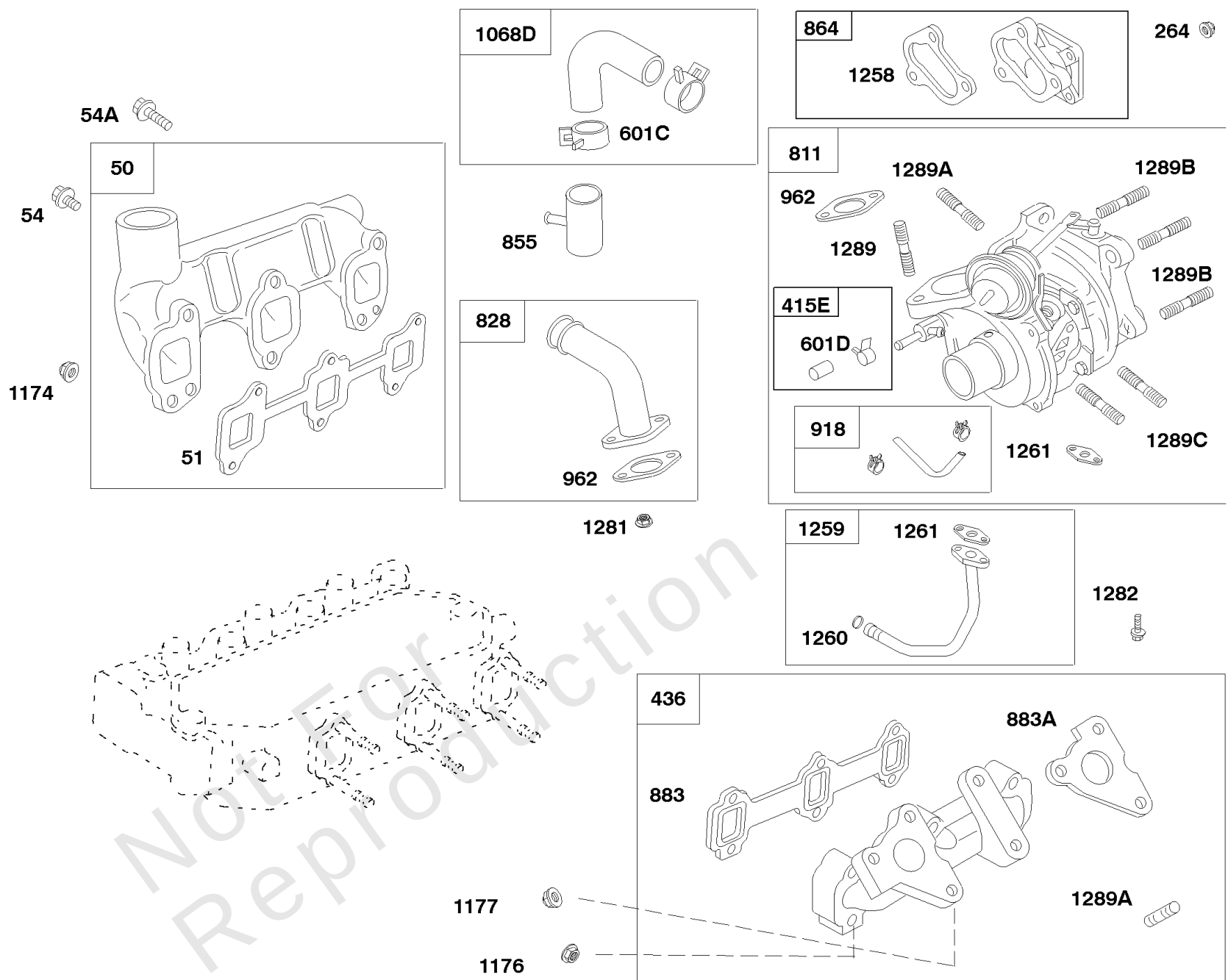
Radiator, Radiator Mounting Brackets

REF NO	PART NO	QTY	DESCRIPTION
139A	821041		SUPPORT, Radiator -(Right Hand)
139B	821043		SUPPORT, Radiator -(Left Hand)
140	820192		BRACKET, Radiator -(Right Hand)
140A	820193		BRACKET, Radiator -(Left Hand)
140B	821039		BRACKET, Radiator
140C	820255		BRACKET, Radiator -(Front)
193	825697		HOSE, Reserve Tank
253	825462		TANK, Reserve
260	821019		SHROUD, Fan -(375mm Fan)
260	820863		SHROUD, Fan -(340mm Fan)
601A	820256		CLAMP, Hose -(Radiator Hose)
668B	820307		SPACER -(Radiator Mount)
719	825557		HOSE, Radiator
719A	825133		HOSE/CLAMP ASSEMBLY
734	820258		CAP, Radiator
890C	820194		BRACKET, Support -(Radiator)
1068	825045		HOSE/CLAMP ASSEMBLY
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) (340mm Fan)
1221	820865		SCREW -(Fan Shroud) (375mm Fan)
1228	825135		MOUNT, Radiator
1237	825461		CAP, Reserve Tank -(660mm Hose)

Replacement Engine - US & Canada

REF NO	PART NO	QTY	DESCRIPTION
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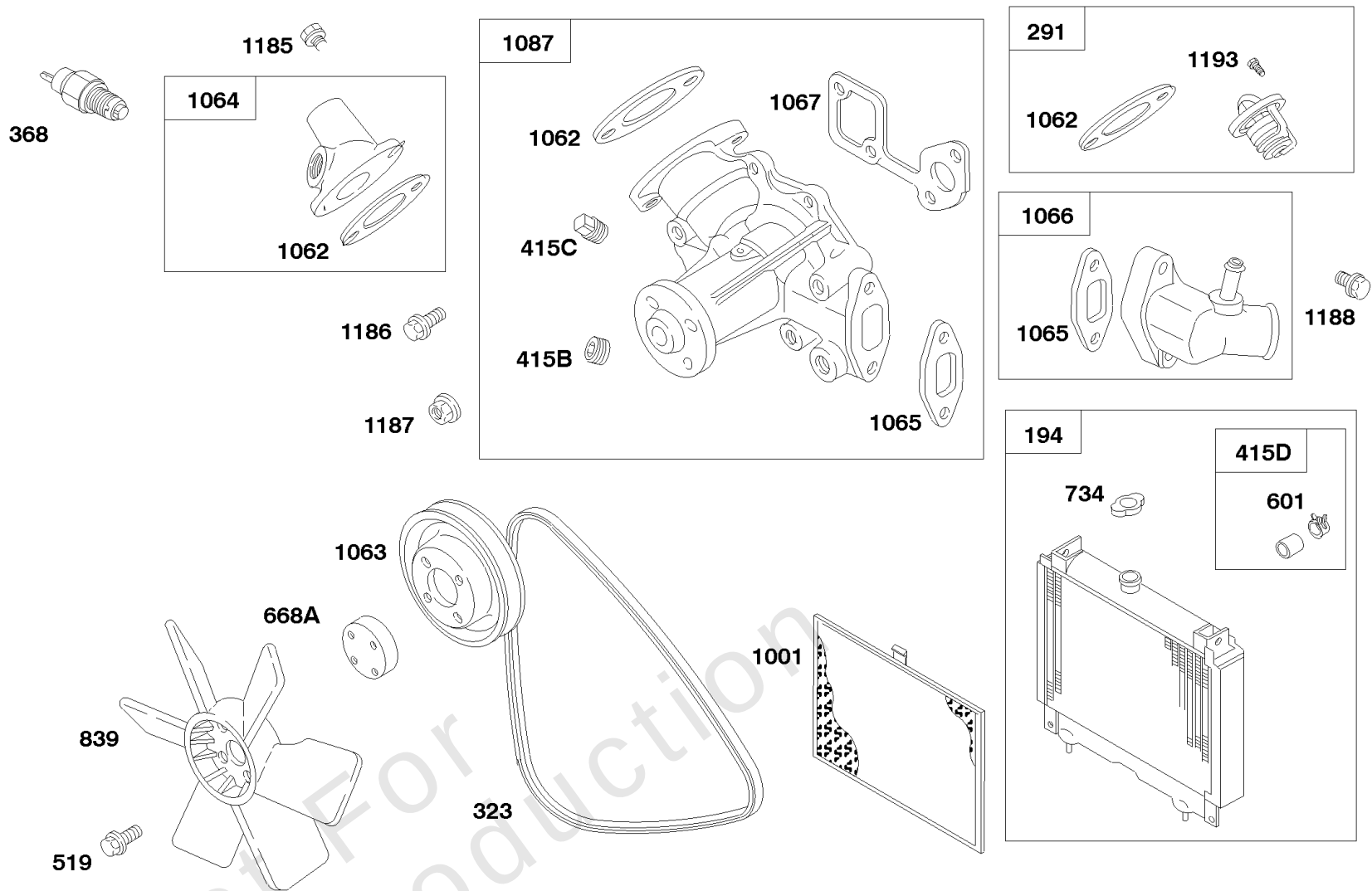
Not For Reproduction



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
50	825530	Manifold-Intake	883	820817	Gasket-Exhaust (Manifold)	1260	820975	Seal-O Ring (Oil Outlet Pipe)
51	820407	Gasket-Intake	883A	820967	Gasket-Exhaust (Turbo Charger)	1261	820973	Gasket-Oil Outlet
54	820031	Screw (Intake Manifold)	918	825542	Hose-Vacuum (Turbo Charger)	1281	820181	Nut (Air Inlet Pipe)
54A	820408	Screw (Intake Manifold)	962	820988	Gasket-Air Inlet Pipe	1282	820971	Screw (Oil Outlet Pipe)
264	820969	Nut (Muffler Adapter)	1068D	825543	Hose/Clamp Assembly	1289	820981	Stud (Turbo Charger)
415E	820995	Plug (Turbo Charger)	1174	820069	Nut (Intake Manifold)	1289A	820553	Stud (Turbo Charger)
436	825531	Manifold-Exhaust	1176	820178	Nut (Exhaust Manifold)	1289B	820983	Stud (Turbo Charger)
601C	820944	Clamp-Hose	1177	820178	Nut (Muffler)	1289C	820985	Stud (Turbo Charger)
601D	820993	Clamp-Hose	1258	820990	Gasket-Muffler Adapter			
811	825533	Charger-Turbo	1259	825535	Pipe-Oil Outlet (To Cylinder)			
828	825536	Pipe-Air Inlet						
855	820942	Adapter-Air Cleaner						
864	825537	Adapter-Muffler						

Turbo Charger, Intake Manifold, Exhaust Manifold

REF NO	PART NO	QTY	DESCRIPTION
50	825530		MANIFOLD, Intake
51	820407		GASKET, Intake
54	820031		SCREW -(Intake Manifold)
54A	820408		SCREW -(Intake Manifold)
264	820969		NUT -(Muffler Adapter)
415E	820995		PLUG -(Turbo Charger)
436	825531		MANIFOLD, Exhaust
601C	820944		CLAMP, Hose
601D	820993		CLAMP, Hose
811	825533		CHARGER, Turbo
828	825536		PIPE, Air Inlet
855	820942		ADAPTER, Air Cleaner
864	825537		ADAPTER, Muffler
883	820817		GASKET, Exhaust -(Manifold)
883A	820967		GASKET, Exhaust -(Turbo Charger)
918	825542		HOSE, Vacuum -(Turbo Charger)
962	820988		GASKET, Air Inlet Pipe
1068D	825543		HOSE/CLAMP ASSEMBLY
1174	820069		NUT -(Intake Manifold)
1176	820178		NUT -(Exhaust Manifold)
1177	820178		NUT -(Muffler)
1258	820990		GASKET, Muffler Adapter
1259	825535		PIPE, Oil Outlet -(To Cylinder)
1260	820975		SEAL, O-Ring -(Oil Outlet Pipe)
1261	820973		GASKET, Oil Outlet
1281	820181		NUT -(Air Inlet Pipe)
1282	820971		SCREW -(Oil Outlet Pipe)
1289	820981		STUD -(Turbo Charger)
1289A	820553		STUD -(Turbo Charger)
1289C	820985		STUD -(Turbo Charger)
1289B	820983		STUD -(Turbo Charger)

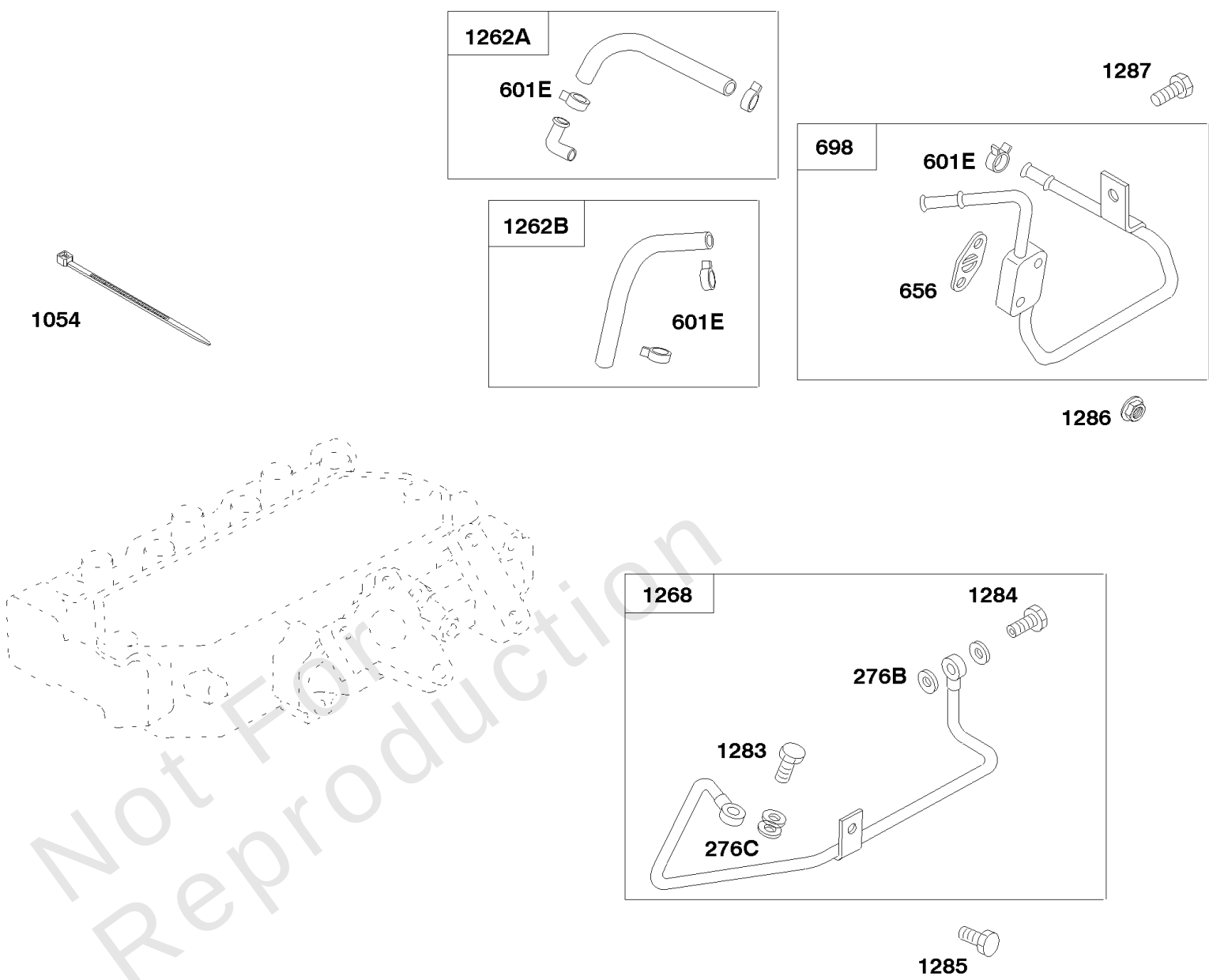


FAN MEASUREMENT:
CENTER OF HUB TO BLADE TIP

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
194	825645	Radiator Used on Type No(s). 0225, 0230.	519	821233	Screw (Radiator Fan)	1062	820093	Gasket- Outlet Housing
291	825064	Thermostat	601	820201	Clamp-Hose (Radiator Plug)	1063	820095	Pulley-Pump
323	821075	Belt-Vee (940 mm) ----- Note ----- 820893 Belt-Vee (970 mm) Used on Type No(s). 0225, 0325.	668A	820218	Spacer (Radiator Fan) Used on Type No(s). 0225, 0230, 0330, 0377, 0477.	1064	825519	Housing-Outlet
368	820208	Switch- Water Temperature	734	820258	Cap-Radiator	1065	820098	Gasket-Inlet Housing
415B	820182	Plug	839	821013	Fan-Radiator (340mm) ----- Note ----- 825644 Fan-Radiator (360mm) Used on Type No(s). 0230, 0330.	1066	825520	Housing-Inlet
415C	820052	Plug (Water Pump)	1001	821047	Screen-Radiator	1067	820100	Gasket-Water Pump
415D	825075	Plug (Radiator)				1087	825639	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)

Vee Belt, Radiator, Radiator Fan, Water Pump

REF NO	PART NO	QTY	DESCRIPTION
291	825064		THERMOSTAT
323	821075		BELT, Vee -(940mm)
368	820208		SWITCH, Water Temperature
415B	820182		PLUG
415C	820052		PLUG -(Water Pump)
415D	825075		PLUG -(Radiator)
519	821233		SCREW -(Radiator Fan)
601	820201		CLAMP, Hose -(Radiator Plug)
734	820258		CAP, Radiator
839	821013		FAN, Radiator -(340mm)
1001	821047		SCREEN, Radiator
1062	820093		GASKET, Outlet Housing
1063	820095		PULLEY, Pump
1064	825519		HOUSING, Outlet
1065	820098		GASKET, Inlet Housing
1066	825520		HOUSING, Inlet
1067	820100		GASKET, Water Pump
1087	825639		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)



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
276B	820950	Washer-Sealing (Oil Inlet Pipe)	1054	280275	Tie-Cable	1285	820023	Screw (Oil Inlet Pipe)
276C	820952	Washer-Sealing (Oil Inlet Pipe)	1262A	825540	Line-Water	1286	820069	Nut (Water Pipe)
601E	820960	Clamp-Hose (Water Line)	1262B	825541	Line-Water	1287	820023	Screw (Water Pipe)
656	820962	Gasket-Water Pipe	1268	825539	Pipe-Oil Inlet			
698	825558	Pipe-Water	1283	820954	Screw (Oil Inlet Pipe)			
			1284	820948	Screw (Oil Inlet Pipe)			

Water Pipe, Oil Inlet Pipe

REF NO	PART NO	QTY	DESCRIPTION
276B	820950		WASHER, Sealing -(Oil Inlet Pipe)
276C	820952		WASHER, Sealing -(Oil Inlet Pipe)
601E	820960		CLAMP, Hose -(Water Line)
656	820962		GASKET, Water Pipe
698	825558		PIPE-WATER
1054	280275		TIE, Cable
1262A	825540		LINE, Water
1262B	825541		LINE, Water
1268	825539		PIPE, Oil Inlet
1283	820954		SCREW -(Oil Inlet Pipe)
1284	820948		SCREW -(Oil Inlet Pipe)
1285	820023		SCREW -(Oil Inlet Pipe)
1286	820069		NUT -(Water Pipe)
1287	820023		SCREW -(Water Pipe)

