

1 34348B	Ref #	Part Number Q	ty Description
2 27662 Pin. Dowel 3 660820 Screw, 14-20 x 1/2* 4 36578 Nipple, Oil 5 30969 Cap, Oil drain 15A 30700 Yoke, Governor 15B 660494 Screw, 14-20 x 5/16* 15 30869C Rod Assy, Covernor (Incl. 15A & 15B) 63454 Covernor Lever Assy, 17 22916 Care Rod Assy, Covernor (Incl. 15A & 15B) 63548 Screw, 8-32 x 5/16* 19 34683 Spring, Speed control 8 260548 Screw, 14-20 x 5/8* 19 34683 Spring, Speed control 8 261691 Screw, 14-20 x 5/8* 3 32564 Baffle, Blower housing 8 261691 Screw, 14-20 x 5/8* 3 32565 Care Rod Assy, 10-1 Screw, 10-32 x 3/4* 3 28266 Screw, 14-20 x 5/8* 3 28216 Nut & Lockwasher, 10-32 *Kepa* 3 28266 Screw, 10-32 x 3/4* 3 28262 Lockwasher, 10-32 *Kepa* 3 28263 Ring, Retaining 4 34553 Piston, Pin & Ring Set (2010 OS) 4 34554 Piston, Pin & Ring Set (2010 OS) 4 1 34329A Piston & Pin Assy, (1010 OS) 4 1 34330A Piston & Pin Assy, (1010 OS) 4 1 34330A Piston & Pin Assy, (1010 OS) 4 1 34330A Piston & Pin Assy, (1010 OS) 4 1 34331 Piston & Pin Assy, (1010 OS) 4 1 34331 Piston & Pin Assy, (1010 OS) 4 1 34331 Piston & Pin Assy, (1010 OS) 4 1 34331 Piston & Pin Assy, (1010 OS) 4 1 34331 Piston & Pin Assy, (1010 OS) 4 1 34331 Piston & Pin Assy, (1010 OS) 4 1 34331 Piston & Pin Assy, (1010 OS) 4 1 34329 Piston & Pin Assy, (1010 OS) 4 1 34331 Piston & Pin Assy, (1010 OS) 4 1 34320 Piston & Pin Assy, (1010 OS) 4 1 34331 Piston & Pin Assy, (1010 OS) 4 1 34331 Piston & Pin Assy, (1010 OS) 4 1 34331 Piston & Pin Assy, (1010 OS) 5 34143 Piston & Pin Assy, (1010 OS) 6 3254 Piston Pin Assy, (1010 OS) 6 32651 Rode Rod	1	34348B	Cylinder (Incl.2,20,72,72A) (3-1/8" B ore)
3 650620 Screw, 14-20 x 1/2"			,
4 32678 Nipple, Oil 5 30969 Cap, Oil drain 15A 30700 Yoke, Governor 15B 650494 Sorte, 6-40 x 5/16" 15 30689C Rod Assy, Governor (Incl. 15A & 15B) 16 33454 Governor Lever Assy, 17 29916 Clarm, Governor lever 18 650548 Sorte, 8-32 x 5/16" 19 3463 Sorte, 8-32 x 5/16" 19 3463 Sorte, 8-32 x 5/16" 30 32520 Seal, Oil 22 35256A Balle, Blower housing 25 650561 Sorte, 10-32 x 34" 36 29918 Lookwasher, # 8 E.T. 37 29216 Nut & Lookwasher, # 8 E.T. 37 29216 Nut & Lookwasher, # 8 E.T. 40 34552 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34553 Piston, Pin & Ring Set (Clot) (O20" OS) 41 34329A Piston, Pin & Ring Set (O10" OS) 41 34330A Piston & Pin Assy, (100" OS)(Incl. 43) 42 3433 Ring Set (200" OS) 43 3433 Ring Set (100" OS) 44 34334 Piston & Pin Assy, (100" OS)(Incl. 43) 45 32591C Rod Sorte, Pin Assy, (100" OS)(Incl. 43) 46 34334 Ring Set (100" OS) 47 650662C Bolt, Carlos Pin Assy, (100" OS)(Incl. 43) 48 34034 Piston & Pin Assy, (100" OS)(Incl. 43) 49 34242 Dipper, Oil 40 34552 Borde, Piston, Pin Ring Set (100" OS) 40 3453 Ring Set (100" OS) 41 34330 Piston & Pin Assy, (100" OS)(Incl. 43) 42 3433 Ring Set (100" OS) 43 2788 Ring Set (100" OS) 43 2788 Ring Set (100" OS) 44 36334 Ring Set (100" OS) 45 30591C Rod Assy, Connecting Incl. 49) 47 650662C Bolt, Connecting Incl. 49) 48 34242 Dipper, Oil 58 3273A Extension, Blower housing 58 26562 Gorons Seal, Oil 69 35273A Extension, Blower housing 69 35262 Gorons Seal, Oil 60 33273A Extension, Blower housing 60 33273A Extension, Blower housing 60 33273A Extension, Blower housing 61 34126 Borons Assy, Connecting Incl. 49) 61 34126 Borons Rod			·
5 30969 Cap, Oil drain 18A 30700 18B 650494 Screw, 6-40 x 5/16° 18 30699C Rod Assy, Governor (Incl. 15A & 15B) 16 34541 Governor Lever Assy, 17 29916 Clamp, Governor (Incl. 15A & 15B) 18 460548 Screw, 8-32 x 5/16° 19 34603 Spring, Speed control 20 32630 Seal, Oil 25 35256A Bailfe, Blower housing 26 650561 Screw, 14-20 x 5/8° 30 33365B Crankshaft (Incl. 108 & 109) 36 29918 Lockwasher, # 8 E.T. 37 29216 Nut & Lockwasher, # 8 E.T. 37 4 30322 Locknut, Hex "Keps", 8-32 Ring, Retaining 40 34552 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34553 Piston, Pin & Ring Set (Clot) 'OS) 41 34320A Piston & Pin Assy, (1010" OS) 41 34331A Piston & Pin Assy, (1010" OS) (Incl. 43) 41 34331 Piston & Pin Assy, (1010" OS) (Incl. 43) 42 3433 Ring Set (1010" OS) 43 3273A Ring Set (2020" OS) 44 34334 Ring Set (1010" OS) 45 32981 Ring, Retaining 46 3656 Pin Assy, (3016) (Incl. 43) 47 65063C Brand Ring Set (2020" OS) 48 34334 Ring Set (1010" OS) 49 34242 Dipper, Oil 50 34143 Crankshaft 50 34143 Crankshaft 50 32931 Crankshaft 50 32934 Extension, Blower housing 51 32654 Grown, 8-32 x 38" 51 Governor Lever Assy, Connecting rold (2 pieces) 51 34143 Crankshaft 51 30368 Ring, Piston pin retaining 52 26501 Crankshaft 51 303678 Crankshaft 51 303678 Crankshaft 51 303678 Crankshaft 51 30368 Ring, Piston pin retaining 52 26501 Crankshaft 51 30368 Ring, Piston pin retaining 52 26501 Crankshaft 51 30368 Ring, Piston pin retaining 52 26501 Crankshaft 51 30368 Ring, Piston pin retaining 53 26502 Crankshaft 51 3036803 Screw, 10-24 x 1/2" 51 33680 Screw, 10-24 x 1/2" 51 33680 Screw, 10-24 x 1/2" 52 3466 Screw, 10-24 x 1/2" 53 32679 Screw, 10-24 x 1/2" 54 3433 Ring Set (1011" CS) 55 34143 Crankshaft 56 26 50128 Screw, 10-24 x 1/2" 56 35625 Crankshaft 57 27642 Pilug, Oil drain 58 26501 Grownor 58 265015 Ringshaft 58 265015 Ringshaft 59 265015 Ringshaft 59 26 505015 Ringshaft 59 265015 Ringshaft 50 205015 Ringshaft 50 205015 Ringshaft 50 205015 Ringshaft			
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Ref #	Part Number 0	Qty	Description
108	29783		Pin, Crankshaft gear
	33245		Gear, Crankshaft
	34240		Ground Wire
	34041A		* Gasket, Head
	34030A		Head, Cylinder
	27878A		Exhaust Valve (Std.) (Incl. 151)
	27880A		Exhaust Valve (3d.) (Incl. 151) Exhaust Valve (1/32" OS) (Incl. 151)
	34035		Intake Valve (Std.) (Incl. 151)
	34036		, , ,
			Intake Valve (1/32" OS) (Incl. 151)
	26073		Washer, Flat (Use as required)
	650570 650601		Washer, Flat (Use as required)
	650691		Washer (Use as req., but not w/6021A screw)
	650690		Washer, Belleville
	650727		Screw, 5/16-18 x 1-3/4" (Use as requi red)
130A	6021A		Screw, 5/16-18 x 1-1/2" (Use as required, but do notuse with
			650691 washer)
130	650694A		Screw, 5/16-18 x 2" (Use as required)
131	650802		Screw, 1/4-20 x 5/8" (Use as required)
131	650737		Screw, 1/4-20 x 1/2" (Use as required)
131	650738		Screw, 1/4-20 x 5/8" (Use as required)
	650713		Screw, 5/16-18 x 5/8" (Use as require d)
	792028		Screw, 5/16-18 x 7/8" (Use as require d)
	33636		Resistor Spark Plug (RJ17LM)
	33369		Bracket, Governor gear
	650836		Screw, 10-24 x 1/2"
	27882		Cap, Upper valve spring
	35862		Seal Assy., Intake valve
	27881		
			Spring, Valve
	32581		Cap, Lower valve spring
	27896A		* Gasket, Breather cover
	28423		Body, Breather
	28424		Element, Breather
	28425		Cover, Valve spring
	35350		Tube, Breather
	650128		Screw, 10-24 x 1/2"
	650597		Screw, 10-24 x 5/8"
	29752		Nut & Lockwasher, 1/4-28
	30593		Clip, Primer line (Use as required)
	30088A		Screw, 1/4-28 x 1"
	33263		* Gasket, Carburetor
	33877		Pipe, Intake
203	31342		Spring, Compression
204	650549		Screw, 5-40 x 7/16"
206	610973		Terminal Assy. (Use as required)
210	27793		Clip, Conduit
211	28942		Screw, 10-32 x 3/8"
223	650378		Screw, Torx T-30, 5/16-18 x 1-1/8 "
	27915A		* Gasket, Intake pipe
	35447A		Blower Housing (For electric starter)
	650788		Screw, 5/16-18 x 3/4" (Use as require d)
	29747B		Screw, 5/16-24 x 21/32"
	33272B		Cover, Cylinder head
	33280A		Muffler
	35824		Muffler (Optional quiet muffler)
	31588		Plate, Muffler locking
	650696		Screw, 5/16-18x2-3/4" (Used with 276A)
	650729		Screw, 5/16-18 x 3-3/16"
211	000123		OGGVV, O/ 10- 10 A O-O/ 10

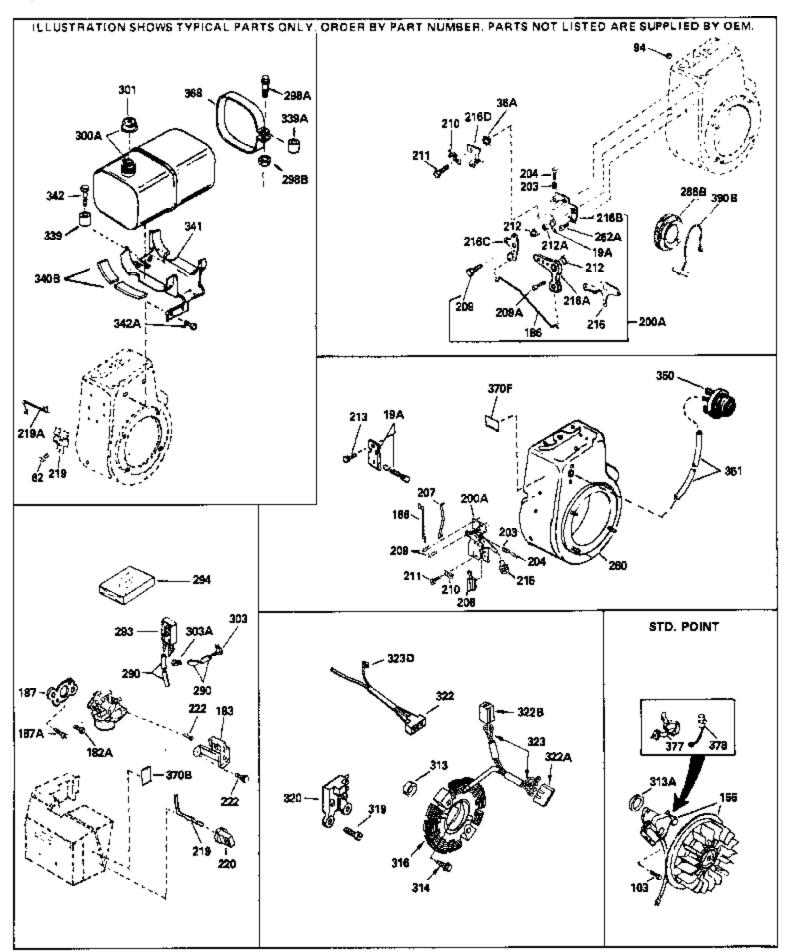
Ref #	Part Number	Qty Description
282 286B 287 290 290 290 292 298 300	33013 650760 33662 29752 29774 30705 30962 26460 650665 34156A	Cover, Starter bubble Screw, 8-32 x 3/8" Hub & Screen Assy., Starter Nut & Lockwasher, 1/4-28 Fuel Line (Braided 8-1/4")(21 cm)(As req.) Fuel Line (Braided 16")(41 cm)(Use as req.) Fuel Line (Braided 32")(81 cm)(Use as req.) Clamp, Fuel line (Use as required) Screw, 1/4-15 x 7/8" Fuel Tank (Incl. 292 & 301) NOTE: These tanks were builtwith different size fuel inlet openings. Tanks with the 1-3/16" I.D. opening use fuel cap 34210. Tanks with the 1-1/2" I.D. opening use fuel cap 35355.
	410144B 33032	Fuel Cap (White Plastic)(Std)(1-1/2" I.D.) Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (1-3/16" I.D.)
301	34210	Fuel Cap (Red Plastic) (Spurt Resistant, High Profile) (1-3/16" I.D)
305 306 310 325 325 336 337 338 340 341 342 359 360 364 365 370J 379 380	35355 33893A 33590 34011A 29443 34246 650765 34666 28942 34154 34155 650561 34141 32576 33377 650767 34870 631021 632111	Fuel Cap (Red plastic) (1-1/2" I.D.) Tube, Oil fill "O" Ring Dipstick (Incl. 306) Clip, Fuel line (Use as required) Clip, Ground wire (Use as required) Screw, 10-32 x 1/2" Cover, Carburetor Screw, 10-32 x 3/8" Plate, Fuel tank mounting Bracket, Fuel tank mounting Screw, 1/4-20 x 5/8" Guard, Starter Seal, Snow guard Bracket, Carburetor cover mounting Screw, 8-32 x 27/64" Decal, Instruction Can be used on HM80 with diecast starter. Inlet Needle, Seat & Clip Assy. Carburetor (Incl. 184) (Refer to Division 5, Section A, page 170 for breakdown or Fiche18A-1, Grid F-1)
	590479	Rewind Starter (Refer to Division 5, Section C, page 30 for breakdown or Fiche 18A-1, Grid G-5)
	33279G 35570	Gasket Set (Incl. items marked*) Screen Seal (Can be used on HM80 with stamped steel recoil starter)
409	35569	Spacer (Can be used on HM80 with stamped steel recoil starter)
410	730573	Debris Screen Kit (Incl. 360, 370B, 387, 411 &413) (Can be used on HM80 with stamped steel recoil starter)
411	35568	Debris Screen (Can be used on HM80 with stamped steel recoil starter)
413	650907	Screw, 5/16-18 x 1-5/8" (Can be used on HM80 with stamped steel recoil starter)
	730225 730226	SAE 30, 4-Cycle Engine Oil (Quart) SAE 5W30, 4-Cycle Engine Oil (Quart)

Ref#	Part Number	Qty Description
425	730572	Starter Muff Kit (Incl. 370J, 426 & 427) (Can be used on HM80 with die cast starter)
429	650868	Screw, 8-18 x 1-1/8" (3 Required) (Use as required) (Refer to Mechanics Handbook for installation instructions).
430	611077	Alternator, Add on (Use as required) (Refer to Mechanics Handbook for installation instructions).
431	590609	Centering tube (Use with engines equipped with die cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions)
431	590610	Centering tube (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611078	A.C. Lighting Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611079	D.C. Charging Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590611	Alternator Shaft (4.00") (Use with engines equipped with cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590636	Alternator Shaft (Use with engines equipped with stamped steel starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).



D-f //	Deat Ni week en	De la Decembration
		Oty Description
	650760	Screw, 8-32 x 3/8"
	28545	Grommet, Plastic
	31855	Retainer, Bearing
97		Lockwasher, Heavy split, #10 (Buy loc ally)
	650802	Screw, 1/4-20 x 5/8" (Use as required)
131	650737	Screw, 1/4-20 x 1/2" (Use as required)
131	650738	Screw, 1/4-20 x 5/8" (Use as required)
174	650128	Screw, 10-24 x 1/2"
174	650597	Screw, 10-24 x 5/8"
227	730127	Air Cleaner Ass'y. (Incl.238,239,240,241,243,245 & 370)
		(Use as required)
207	700404	, ,
221	730164	Air Cleaner Ass'y. (Incl. 238, 239, 240, 241, 243 & 245) (Use
		as required)
228A	650824	Stud, 1/4-20 x 7.33 (Use as required)
	650851	Stud, 1/4-20 x 8.1 (Use as required) (Used with drilled thru
220/1	000001	elbow)
		,
245A	34700	Element, Air cleaner
274	35865	Gasket, Exhaust (Use as required)
275B	391026	Muffler (Incl. 284, 284A & 416A) (This spark arresting muffler
		can be used on any model.)
07EC	25024	Muffler (Optional quiet muffler)
	35824	Muffler (Optional quiet muffler)
	650729	Screw, 5/16-18 x 3-3/16"
	650696	Screw, 5/16-18x2-3/4" (Used with 276A)
	26460	Clamp, Fuel line (Use as required)
	650665	Screw, 1/4-15 x 7/8"
	35857	Valve, Fuel shut-off
370J	34870	Decal, Instruction Can be used on HM80 with diecast starter.
370B	34387	Decal, Instruction Can be used on HM80 with stamped steel
		recoil starter.
205	33329D	Starter Motor Kit (110-120 Volt) This 110-120 volt starter
393	33329D	,
		motor kit may have been added to this engine. It can be
		added only if cylinder hasdrilled and tapped starter mounting
		bosses and a ring gear flywheel. Refer to service number
		stamped on end cap of motor, or on decal for identification.
		Ref
4 ∩ 8	35570	Screen Seal (Can be used on HM80 with stamped steel
100	00070	recoil starter)
		,
409	35569	Spacer (Can be used on HM80 with stamped steel recoil
		starter)
410	730573	Debris Screen Kit (Incl. 360, 370B, 387, 411 &413) (Can be
410	130313	used on HM80 with stamped steel recoil starter)
		used on Hivioo with starriped steel recoil starter)
411	35568	Debris Screen (Can be used on HM80 with stamped steel
		recoil starter)
440	650007	,
413	650907	Screw, 5/16-18 x 1-5/8" (Can be used on HM80 with
		stamped steel recoil starter)
415	730130	Exh.Adapter Kit (Incl.274,277)(Use as req.)
	730572	Starter Muff Kit (Incl. 370J, 426 & 427) (Can be used on
.20		HM80 with die cast starter)
		•
429	650868	Screw, 8-18 x 1-1/8" (3 Required) (Use as required) (Refer to
		Mechanics Handbook for installation instructions).

Ref #	Part Number	Qty	Description
430	611077		Alternator, Add on (Use as required) (Refer to Mechanics Handbook for installation instructions).
431	590609		Centering tube (Use with engines equipped with die cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions)
431	590610		Centering tube (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611078		A.C. Lighting Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611079		D.C. Charging Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590611		Alternator Shaft (4.00") (Use with engines equipped with cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590636		Alternator Shaft (Use with engines equipped with stamped steel starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).



62 103	Part Number 650760 650516 610982	Qty	Description Screw, 8-32 x 3/8" Screw, 1/4-20 x 1-1/8 Magneto (w/ring gear) (12 Volt, 3 Amp) NOTE: The complete magneto is not available as an assembly. The magneto number is shown for reference purposes only. Order component parts individually, as shown in parts list. (Refer to Division 5, Section B, page 36 for breakdown or Fiche 18A-1, Grid G
186 200A 203 204 206 207 209 210 211 219 220 222 260 275C 277A 286B 290 290	34587 34667 34664 31342 650549 610973 33878 650821 27793 28942 34586 35438 28820 35447A 35824 650696 33662 29774 30705 30962 410144B 33032		Bracket, Choke Link, Governor Control Bracket (Incl.19,203,204,206, 209) Spring, Compression Screw, 5-40 x 7/16" Terminal Assy. (Use as required) Link, Governor-to-throttle Screw, 10-32 x 1/2" Clip, Conduit Screw, 10-32 x 3/8" Rod, Choke Knob, Control Screw, 10-32 x 1/2" Blower Housing (For electric starter) Muffler (Optional quiet muffler) Screw, 5/16-18x2-3/4" (Used with 276A) Hub & Screen Assy., Starter Fuel Line (Braided 8-1/4")(21 cm)(As req.) Fuel Line (Braided 16")(41 cm)(Use as req.) Fuel Line (Braided 32")(81 cm)(Use as req.) Fuel Cap (White Plastic)(Std)(1-1/2" I.D.) Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (1-3/16" I.D.)
301	34210		Fuel Cap (Red Plastic) (Spurt Resistant, High Profile) (1-3/16" I.D)
313A 339 341 342 350 351	35355 33876 35038 34155 650561 570682 32180C 34387		Fuel Cap (Red plastic) (1-1/2" I.D.) Gasket, Stator Spacer, Tank Bracket, Fuel tank mounting Screw, 1/4-20 x 5/8" Primer Assy. Primer Line Decal, Instruction Can be used on HM80 with stamped steel recoil starter.
377 378 378	34870 30547A 30548B 610767A 35570		Decal, Instruction Can be used on HM80 with diecast starter. Contact Assy., Breaker Condenser Condenser Screen Seal (Can be used on HM80 with stamped steel recoil starter)
409	35569		Spacer (Can be used on HM80 with stamped steel recoil starter)
410	730573		Debris Screen Kit (Incl. 360, 370B, 387, 411 &413) (Can be used on HM80 with stamped steel recoil starter)
411	35568		Debris Screen (Can be used on HM80 with stamped steel recoil starter)

Dof #	Part Number	Ot r	Description
	650907	<u> </u>	Screw, 5/16-18 x 1-5/8" (Can be used on HM80 with stamped steel recoil starter)
425	730572		Starter Muff Kit (Incl. 370J, 426 & 4 27) (Can be used on HM80 with die cast starter)
429	650868		Screw, 8-18 x 1-1/8" (3 Required) (Use as required) (Refer to Mechanics Handbook for installation instructions).
430	611077		Alternator, Add on (Use as required) (Refer to Mechanics Handbook for installation instructions).
431	590609		Centering tube (Use with engines equipped with die cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions)
431	590610		Centering tube (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611078		A.C. Lighting Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611079		D.C. Charging Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590611		Alternator Shaft (4.00") (Use with engines equipped with cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590636		Alternator Shaft (Use with engines equipped with stamped steel starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).