

Ref #	Part Number Q	ty Description
	34915A	Cylinder (Incl. 2, 3 & 4) (2-5/8" Bor e)
	27652	Pin, Dowel
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	27642	Pipe plug, 1/4-18
	32630	Seal, Oil
5	29536	Blower Housing Baffle (Without electric starter knock out)
		(Use as required)
5	35256A	Blower Housing Baffle (With electric starter knockout) (As
_		req.)(point ign.)
6	650561	Screw, 1/4-20 x 5/8"
	29538	Base, Engine mounting
	650542	Screw, 5/16-18 x 3/4"
	34885	Crankshaft
	29783	Pin, Crankshaft gear (Used on early p rod.)
11	27884	Gear, Crankshaft (Used on early production) This gear is
		serviceable ONLY when it is pinned to the crankshaft.
12A	650625	Washer Thrust
12	31461	Bushing, Crankshaft
13	34503	Piston, Pin & Ring Set (Std.) (2-5/8" Bore)
	34504	Piston, Pin & Ring Set (.010" OS)
	34505	Piston, Pin & Ring Set (.020" OS)
	31797B	Piston & Pin Ass'y. (Std.)(2-5/8')(In cl.14)
	31798B	Piston & Pin Ass'y. (.010" OS) (Incl. 14)
	31799B	Piston & Pin Ass'y. (.020" OS) (Incl. 14)
14	27888	Ring, Piston pin retaining
15	34854	Ring Set (Std.) (2-5/8" Bore)
15	34855	Ring Set (.010" OS)
	34856	Ring Set (.020" OS)
	31295C	Rod Assy., Connecting (Incl. 17)
	650662C	Bolt, Connecting rod (Incl. 2 pieces)
	34034	Lifter, Valve
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	33156	Camshaft
	30622A	Extension, Blower housing
	650128	Screw, 10-24 x 1/2"
	650561	Screw, 1/4-20 x 5/8" (Use as required )
22	30063	Screw, 1/4-20 x 1/2" (Use as required )
23	30684	Gasket Cylinder Cover
	31451A	Cylinder Cover (Incl.26, 34, 127A, 12 9 & 130)
	28460	Seal, Oil
	650451	Screw, 1/4-20 x 1"
	650599	Screw, 1/4-20 x 1-1/2"
	30699C	·
		Rod Assy., Governor (Incl. 30 & 31)
	30700	Yoke, Governor
	650494	Screw, 6-40 x 5/16"
	29642	Ring, Retaining
34	31845	Shaft, Mechanical governor
35	30588A	Spool, Governor
36	35479	Washer, Flat
	29193	Ring, Retaining
	30591	Gear Assy., Governor
	31843A	Bracket, Governor gear
	650836	Screw, 10-24 x 1/2"
	32783	Intake Valve (Std.)
	32784	Intake Valve (1/32" OS)
	27878A	Exhaust Valve (Std.)
42	27880A	Exhaust Valve (1/32" OS)
43	27882	Cap, Upper valve spring
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44 27881 45 32581 66 33876 47 660489 48 35182 49 32589 48 35182 49 32589 51 28938C 52 30938A 54 610118 55 30939A 56 660697A 56 660697A 56 6606964 56 660697A 56 6606984 57 6606984 58 660697A 59 6606984 59 6606984 59 6606984 50 66069			
45 32581 Cap. Lower valve spring 46 33876 Gasket, Stator 47 650489 Screw, 1/4-20 x 5/8" 48 33182 Ground Wire 49 32589 Key, Flywheel 51 28938C Gasket, Cylinder head 52 30338A Head, Cylinder 53 34251 Resistor Spark Plug (R2-I7LM) 54 610118 Cover, Spark plug (Use as required) 55 30393A Cover Assy, Cylinder head 56 650697A Screw, 5/16-18 x 2-1/2" (Use as required) 56 650697A Screw, 5/16-18 x 2-1/2" (Use as required) 56 650694A Screw, 5/16-18 x 2-1/4" (Use as required) 56 6506990 Washer, Flet (Use as required) 56A 650691 Washer, Flet (Use as required) 57A 30322 Locknut, 8-32 57 29916 Clamp, Governor lever (Use as required) 58 33454 Lever Assy, Governor 59 29918 Washer, Lack, No. 8 E.T. 59 2918 Washer, Lack, No. 8 E.T. 61 650548 Screw, 8-32 x 5/16" 62 29216 Locknut, 10-32 63 29326 Screw, 10-32 x 34" 65A 34661 Link, Governor 67A 34677 Control Bracket (Incl. 68, 69, 72 & 1 38) 58 31342 Spring, Compression 59 29423 Breather Assy, Valve Element, Breather 70 28423 Breather Assy, Valve 60 28424 Element, Breather 71 28425 Cover, Valve spring box 72 28423 Breather Assy, Valve 68 227915A Gasket, Valve chamber cover 72 28426 Grommet, Breather 73 28427 Flange, Carburetor (Incl. 86A) 74 27896A Gasket, Valve chamber cover 75 28427 Flange, Carburetor (Incl. 86A) 75 28428 Freather 76 28424 Element, Breather 77 28425 Cover, Valve spring box 76 28424 Element, Breather 77 28425 Cover, Valve spring box 78 27272A "Alriake pipe to cylinder 78 31688 "Grown State (Iuse as required) 79 3350 Tube, Breather tube 70 Gasket, Carburetor 71 28425 Cover, Valve spring box 72 28426 Flange, Carburetor (Incl. 86A) 73 3767 Sprink, Iriake, Pipe to cylinder 74 3769 Sprink, Iriake, Pipe to cylinder 75 31689 Flange, Carburetor (Incl. 86A) 75 28429 Flange, Carburetor (Incl. 86A) 76 3767 Sprink, Iriake, Pipe to cylinder 77 3767 Sprink, Iriake, Pipe to cylinder 78 3769 Flange, Carburetor (Incl. 86A) 79 3767 Sprink, Iriake, Pipe to cylinder 79 34699 Flacket, Air cleaner 79 34699 Flacket, Air cleaner (Incl. 90,91,92,93,94,96) (Use in			
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54 610118   Cover, Spark plug (Use as required)			
55 30939A			
56         650697A         Screw, 5/16-18 x 2-1/2' (Use as required)           56         650695A         Screw, 5/16-18 x 2-1/4' (Use as required)           56B         650695A         Screw, 5/16-18 x 2-1/4' (Use as required)           56B         650690         Washer, Belleville (Use as required)           57A         30322         Locknut, 8-32           57         29916         Clamp, Governor lever (Use as require d)           58         33454         Lever Asy, Governor           59         29918         Washer, Lock, No. 8 E.T.           61         650548         Screw, 8-32 x 5/16"           62         29216         Locknut, 10-32           63         29826         Screw, 10-32 x 3/4"           65A         34661         Link, Governor           67A         34677         Control Bracket (Incl. 68, 69, 72 & 1 38)           68         5050549         Screw, 4-34 x 7/16"           72         610973         Terminal Assy, (Use as required)           74         27896A         Gasket, Valve chamber cover           75         28423         Breather Assy, Valve           76         28424         Element, Breather           78         28525         Cover, Valve spring box <tr< td=""><td></td><td></td><td></td></tr<>			
56         650695A         Screw, 5/16-18 x 2" (Use as required)           56         650695A         Screw, 5/16-18 x 2-1/4" (Use as required)           56B         650690         Washer, Belleville (Use as required)           57A         30322         Locknut, 8-32           57         29916         Clamp, Governor lever (Use as require d)           58         33454         Lever Assy., Governor           59         29918         Washer, Lock, No. & E.T.           61         650548         Screw, F.Jo. Covernor           62         29216         Locknut, 10-32           63         32826         Screw, 10-32 x 3/4"           65A         34661         Link, Governor           67A         34677         Control Bracket (Incl. 68, 69, 72 & 1 38)           68         31342         Spring, Compression           69         650549         Screw, 540 x 7/16"           72         2610973         Terminal Assy. (Use as required)           74         27896A         Gasket, Valve chamber cover           75         28423         Breather Assy., Valve           70         28424         Element, Breather           79         35350         Tube, Breather           79			
56         65069A         Screw, 5/16-18 x 2-1/4" (Use as required)           56A         650691         Washer, Flat (Use as required)           57A         30322         Locknut, 8-32           57         29916         Clamp, Governor lever (Use as require d)           58         33454         Lever Assy, Governor           59         29918         Washer, Lock, No. 8 E.T.           61         650648         Screw, 8-32 x 5/16"           62         29216         Locknut, 10-32           63         29826         Screw, 10-32 x 3/4"           65A         34661         Link, Governor           67A         34677         Control Bracket (Incl. 68, 69, 72 & 138)           68         650549         Screw, 5-40 x 7/16"           72         610973         Terminal Assy. (Use as required)           74         27896A         Gasket, Valve chamber cover           75         28423         Breather           77         28424         Element, Breather           78         650128         Screw, 10-24 x 1/2"           79         35350         Tube, Breather           80         32446         Grommet, Breather tube           82         27915A         "Gasket, Carbure			
56B         650690         Washer, Belleville (Use as required)           57A         30322         Locknut, 8-32           57         29916         Clamp, Governor lever (Use as require d)           58         33454         Lever Assy, Governor           59         29918         Washer, Lock, No. 8 E.T.           61         650548         Screw, 8-32 x 5/16"           62         29216         Locknut, 10-32           63         29826         Screw, 10-32 x 3/4"           65A         34661         Link, Governor           67A         34677         Control Bracket (Incl. 68, 69, 72 & 1 38)           68         31342         Spring, Compression           69         650549         Screw, 5-40 x 7/16"           72         2610973         Terminal Assy. (Use as required)           74         27896A         Gasket, Valve chamber cover           75         28423         Breather Assy., Valve           87         28424         Element, Breather           70         28425         Cover, Valve spring box           78         650128         Screw, 10-24 x 1/2"           79         35350         Tube, Breather           80         32446         Grommet, Breather			
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74       27896A       Gasket, Valve chamber cover         75       28423       Breather Assy., Valve         76       28424       Element, Breather         77       28425       Cover, Valve spring box         78       650128       Screw, 10-24 x 1/2"         79       35350       Tube, Breather         80       32446       Grommet, Breather tube         82       27915A       * Gasket, Intake pipe to cylinder         83       34712       Flange, Carburetor (Incl. 86A)         84       30196       Screw, 5/16-18 x 3/4"         85       31688A       * Gasket, Carburetor         86A       650517       Screw, 1/4-20 x 13/16"         87       27272A       * Air Cleaner Gasket (Use as required)         87       30767       Spacer, Cleaner (Use as required)         88       34783       Filter, Pre-air         89       34782       Filter, Air cleaner (Incl. 97)         90       34782       Pop Rivet (1/8" dia.) (Purchase local ly)         91       34699       Bracket, Air cleaner         92       34698A       Gasket, Air cleaner         93       30675       Fitting, Breather         94A       34819       Elbow			
75       28423       Breather Assy., Valve         76       28424       Element, Breather         77       28425       Cover, Valve spring box         78       650128       Screw, 10-24 x 1/2"         79       35350       Tube, Breather         80       32446       Grommet, Breather tube         82       27915A       * Gasket, Intake pipe to cylinder         83       34712       Flange, Carburetor (Incl. 86A)         84       30196       Screw, 5/16-18 x 3/4"         85       31688A       * Gasket, Carburetor         86A       650517       Screw, 1/4-20 x 13/16"         87       27272A       * Air Cleaner Gasket (Use as required)         87       30767       Spacer, Cleaner (Use as required)         83       34782       Filter, Pre-air         89       34782       Filter, Air cleaner (Incl. 97)         90       34782       Pop Rivet (1/8" dia.) (Purchase local ly)         91       34699       Bracket, Air cleaner         92       34698A       Gasket, Air cleaner         93       30675       Fitting, Breather         94A       34819       Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in			
Element, Breather   Cover, Valve spring box			·
77 28425			
78       650128       Screw, 10-24 x 1/2"         79       35350       Tube, Breather         80       32446       Grommet, Breather tube         82       27915A       * Gasket, Intake pipe to cylinder         83       34712       Flange, Carburetor (Incl. 86A)         84       30196       Screw, 5/16-18 x 3/4"         85       31688A       * Gasket, Carburetor         86A       650517       Screw, 1/4-20 x 13/16"         87       27272A       * Air Cleaner Gasket (Use as required)         87       30767       Spacer, Cleaner (Use as required)         83       34782       Filter, Pre-air         89       34782       Filter, Air cleaner (Incl. 97)         90       34782       Pop Rivet (1/8" dia.) (Purchase local ly)         91       34699       Bracket, Air cleaner         92       34698A       Gasket, Air cleaner         93       30675       Fitting, Breather         94A       34819       Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in			Element, Breather
79       35350       Tube, Breather         80       32446       Grommet, Breather tube         82       27915A       * Gasket, Intake pipe to cylinder         83       34712       Flange, Carburetor (Incl. 86A)         84       30196       Screw, 5/16-18 x 3/4"         85       31688A       * Gasket, Carburetor         86A       650517       Screw, 1/4-20 x 13/16"         87       27272A       * Air Cleaner Gasket (Use as required)         87       30767       Spacer, Cleaner (Use as required)         88       34783       Filter, Pre-air         89       34782       Filter, Air cleaner (Incl. 97)         90       34782       Pop Rivet (1/8" dia.) (Purchase local ly)         91       34699       Bracket, Air cleaner         92       34698A       Gasket, Air cleaner         93       30675       Fitting, Breather         94A       34819       Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in	77	28425	Cover, Valve spring box
80 32446 82 27915A 8	78	650128	Screw, 10-24 x 1/2"
80 32446 82 27915A 8	79	35350	Tube, Breather
82       27915A       * Gasket, Intake pipe to cylinder         83       34712       Flange, Carburetor (Incl. 86A)         84       30196       Screw, 5/16-18 x 3/4"         85       31688A       * Gasket, Carburetor         86A       650517       Screw, 1/4-20 x 13/16"         87       27272A       * Air Cleaner Gasket (Use as required)         87       30767       Spacer, Cleaner (Use as required)         88       34783       Filter, Pre-air         89       34782       Filter, Air cleaner (Incl. 97)         90       34782       Pop Rivet (1/8" dia.) (Purchase local ly)         91       34699       Bracket, Air cleaner         92       34698A       Gasket, Air cleaner         93       30675       Fitting, Breather         94A       34819       Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in			
83       34712       Flange, Carburetor (Incl. 86A)         84       30196       Screw, 5/16-18 x 3/4"         85       31688A       * Gasket, Carburetor         86A       650517       Screw, 1/4-20 x 13/16"         87       27272A       * Air Cleaner Gasket (Use as required)         87       30767       Spacer, Cleaner (Use as required)         88       34783       Filter, Pre-air         89       34782       Filter, Air cleaner (Incl. 97)         90       34782       Pop Rivet (1/8" dia.) (Purchase local ly)         91       34699       Bracket, Air cleaner         92       34698A       Gasket, Air cleaner         93       30675       Fitting, Breather         94A       34819       Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in			
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85       31688A       * Gasket, Carburetor         86A       650517       Screw, 1/4-20 x 13/16"         87       27272A       * Air Cleaner Gasket (Use as required)         87       30767       Spacer, Cleaner (Use as required)         88       34783       Filter, Pre-air         89       34782       Filter, Air cleaner (Incl. 97)         90       34782       Pop Rivet (1/8" dia.) (Purchase local ly)         91       34699       Bracket, Air cleaner         92       34698A       Gasket, Air cleaner         93       30675       Fitting, Breather         94A       34819       Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in			
86A       650517       Screw, 1/4-20 x 13/16"         87       27272A       * Air Cleaner Gasket (Use as required)         87       30767       Spacer, Cleaner (Use as required)         88       34783       Filter, Pre-air         89       34782       Filter, Air cleaner (Incl. 97)         90       34782       Pop Rivet (1/8" dia.) (Purchase local ly)         91       34699       Bracket, Air cleaner         92       34698A       Gasket, Air cleaner         93       30675       Fitting, Breather         94A       34819       Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in			
87       27272A       * Air Cleaner Gasket (Use as required)         87       30767       Spacer, Cleaner (Use as required)         88       34783       Filter, Pre-air         89       34782       Filter, Air cleaner (Incl. 97)         90       34782       Pop Rivet (1/8" dia.) (Purchase local ly)         91       34699       Bracket, Air cleaner         92       34698A       Gasket, Air cleaner         93       30675       Fitting, Breather         94A       34819       Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in			,
87       30767       Spacer, Cleaner (Use as required)         88       34783       Filter, Pre-air         89       34782       Filter, Air cleaner (Incl. 97)         90       34782       Pop Rivet (1/8" dia.) (Purchase local ly)         91       34699       Bracket, Air cleaner         92       34698A       Gasket, Air cleaner         93       30675       Fitting, Breather         94A       34819       Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in			
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91       34699       Bracket, Air cleaner         92       34698A       Gasket, Air cleaner         93       30675       Fitting, Breather         94A       34819       Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in			
92       34698A       Gasket, Air cleaner         93       30675       Fitting, Breather         94A       34819       Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in			Pop Rivet (1/8" dia.) (Purchase local ly)
93 30675 Fitting, Breather 94A 34819 Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in	91	34699	Bracket, Air cleaner
94A 34819 Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in	92	34698A	Gasket, Air cleaner
94A 34819 Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in	93	30675	Fitting, Breather
73050 rassembly only)			730561 assembly only)
94 34780 Elbow, Air cleaner	94	34780	Elbow, Air cleaner
95 650163 Screw, 10-32 x 7/8"	95	650163	Screw, 10-32 x 7/8"
96 650826 Stud, 1/4-20 x 6.20, threaded both en ds			·
97 650825 Nut & Lockwasher, 1/4-20			
99 34781 Cover, Air cleaner			·
100 650513 Nut, Wing, 1/4-20			
101 34158 Bracket, Fuel tank			
Diaonet, i dei talin	101	O-1100	Diagnot, I doi talik

Ref #	Part Number	Qty Description
	650665	Screw, 1/4-14 x 7/8"
	34159	Plate, Fuel tank mounting
	34186A	Fuel Tank (Incl. 105 & 107) NOTE: These tanks were built
101	01100/1	with different size fuel inlet openings. Tanks with the 1-3/16"
		I.D. opening use fuel cap 33032 or 34210. Tanks with the
		1-1/2" I.D. opening use fuel cap 35355.
105	410144B	Fuel Cap (White Plastic)(Std.)(As req uired)
105	33032	Fuel Cap (Red Plastic) (Spurt resistant, Low profile) (Use as
		required)
105	34210	Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
		required)
105	35355	Fuel Cap (Red plastic) (Use as requir ed)
	29774	Fuel Line (Braided, 8 1/4") (Use as r equired)
	30962	Fuel Line (Braided, 32") (Use as required)
	26460	Clamp, Fuel line (Use as required)
	32158E	• • • •
		Blower Housing (For electric starter) Screw, 5/16-24 x 21/32"
	29747B	
	34390	Deflector, Exhaust (Optional)
	33714	Opt.Spark Arrest Muf.(Incl.112,143,14 4,144A)
	391026	Opt.Spark Arrest Muf.(Incl.143,143A,1 43B)
	29633	Muffler
	32125	Cup, Starter
	35009	Screen, Starter cup
	650815	Washer, Belleville
	8116	Nut, Hex
119	29716	Screw, 1/4-28 x 7/16"
127A	31855	Retainer, Bearing
127	31793	Bearing, Ball
128	31792	Washer, Thrust
129	650778	Washer, Lock
130	650580	Nut, Lock
	34663	Spring, Speed control
139	650821	Screw, 10-32 x 1/2"
	650578	Screw, 8-18 x 3/8" (Use as required)
	33171	Screen, Muffler (Use as required)
	33185	Cover & tube, Muffler (Use as require d)
	33700	Cover & Tube, Muffler (Use as require d)
	33323	Screen, Muffler (Use as required)
	31297	Dipstick (Incl. 146A)
	29673	* Gasket, Oil fill
	32862	Nut, Conduit
	30244	Nipple, Pipe
	29574	Elbow, 45-degree
2018	730561	Air Cleaner Kit
		(Incl.74,79,80,87,88,89,90,91,92,94,95,96,97,99,100 & 230C)
		(Used only on engine with an externally vented fully
		adjustable carburetor)
2014	730130	Muffler Adapter Kit (Incl.110,112)(As req.)
	730164	Air Cleaner Ass'y. (Red Poly)(Incl.87,120,121,122,123,124 &
201	700101	230)(As req.)
		عادر المراجع المراء
201	730164	Air Cleaner Kit, Mini bike (Incl.87,120,121,122,123 & 124)
		(Use as required)
0004	24700	,
	34768	Decal, Name
	34346	Decal, Instruction
230B	34144	Decal, Control

Ref #	Part Number	Qtv	Description
-	34704	~')	Decal, Instruction
	30548B		Condenser
	30547A		Breaker Assy (Used on Std. Point igni tion)
232A	631021		Inlet, Needle Seat & Clip Assy.
240	611077		Alternator (Optional)
241	650868		Screw, 8-18 x 1-1/8" (3 required)(Opt .)
242	611078		Connector, A.C. Lighting (Optional)
242	611079		Connector, D.C. Charging (Optional)
243	590610		Tube, Centering (Optional)
244	590613		Alternator Shaft (Optional)
250	632213		Carburetor (Incl. 85) (Refer to DiviSion 5, Section A, page 176 for breakdown)
251	611038		Magneto 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 39 for breakdown)
252	590420A		Rewind Starter (Refer to Division 5, Section C, page 25 for breakdown)
254	33328D		Starter Motor Kit (110-120 volt) This 110-120 volt starter 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 (see#255). Refer to service number stamped on end cap of motor or on decal for identificat
255	30811A		Flywheel (Ring gear flywheel requiredon engines using 110-120 volt starter motor kits listed above) (Used on Std. point ignition before 1982)
255	611042		Flywheel (Ring gear flywheel requiredon engines using 110-120 volt starter motor kits listed above) (Used on Std. point ignition 1982 or later)
255	611085		Flywheel (Minimum ring gear flywheel required on engines using 110-120 volt starter motor kits listed above) (Used on solid state external ignition)
256	33235A		Gasket Set (Incl. items marked*)