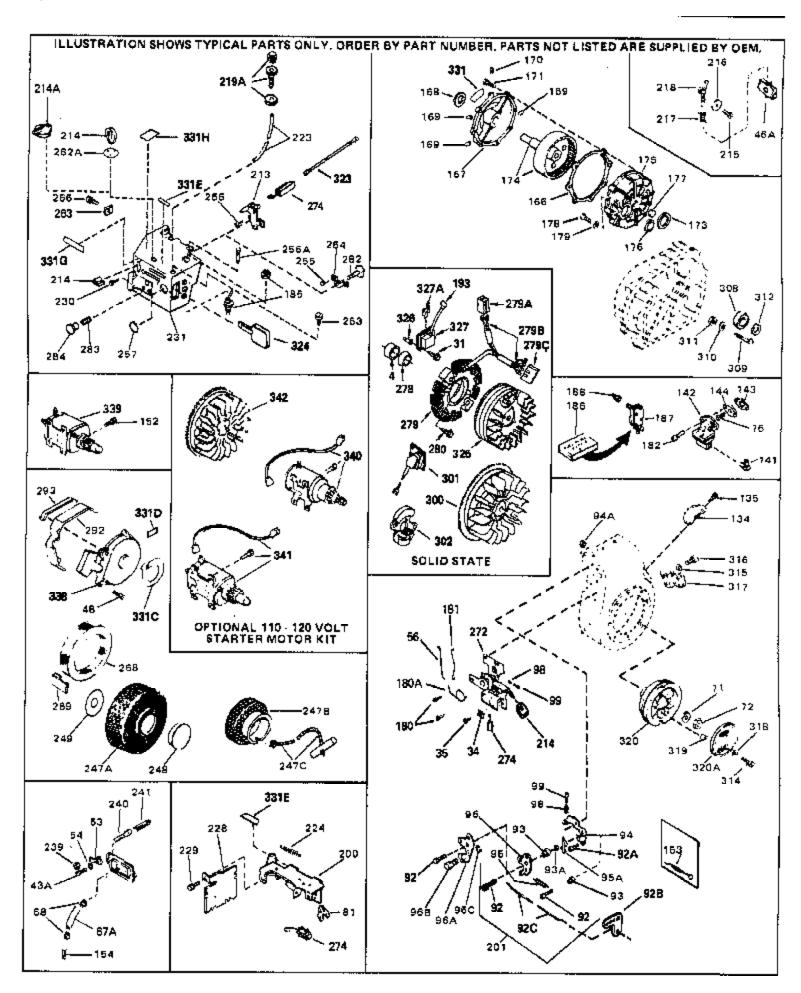


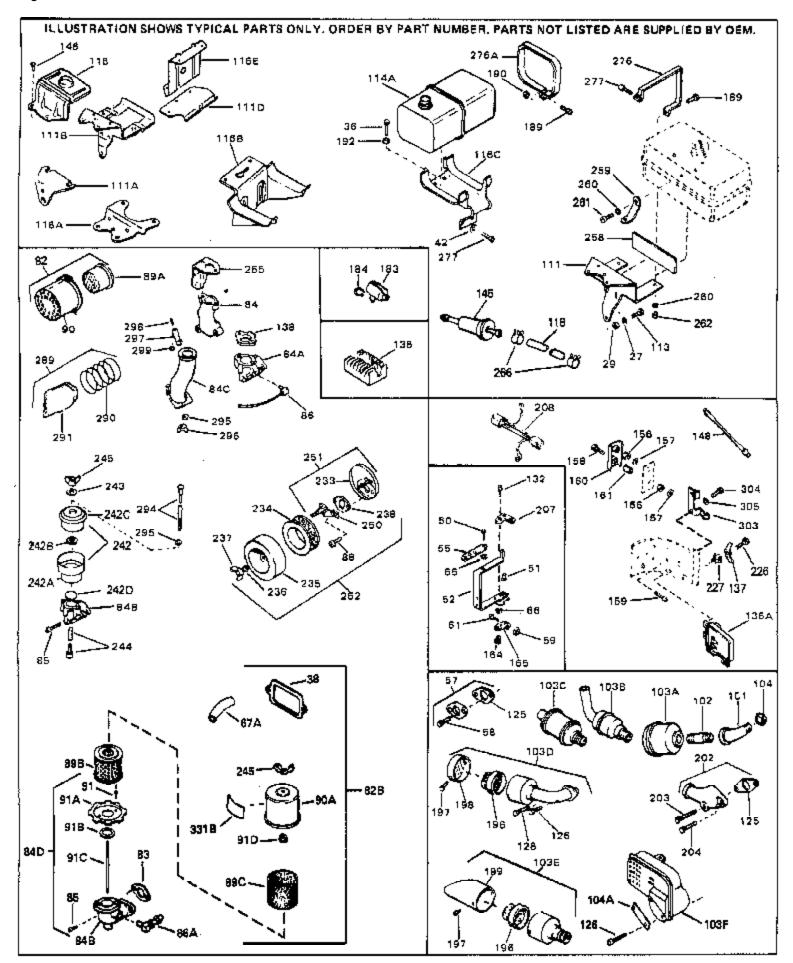
1 32586C	Ref #	Part Number	Otv	Description
2 27652 3 27642 4 32630 5 27614 2 Plug, Oil drain 5 32783 5 32784 6 27878A 6 27878A 6 27880A 6 27880A 7 20810 7 27882 8 27881 8 27881 9 3 2581 9 3 2581 10 3 2281 11 3 2985 12 29783 13 27884 14 3 25928 14 3 28985 15 2 29783 16 2 2888 16 2 28 28 28 28 28 28 28 28 28 28 28 28 2			٠.,	
3 27642 Plug, Oil drain 4 32630 Seal, Oil 5 32783 Intake Valve (Std.) (Incl. 9) 5 32784 Intake Valve (Std.) (Incl. 9) 6 27880A Exhaust Valve (Std.) (Incl. 9) 6 27880A Exhaust Valve (Std.) (Incl. 9) 7 A 20810 Pin, Valve spring retainer (Use as re quired) 7 27882 Cap, Upper valve spring 8 27881 Spring, Valve 9 32581 Cap, Lower valve spring 9 32581 Cap, Lower valve spring 10A 32590 Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper the 650662C screw must be used.) 10 34242 Dipper, Oil 11 32995 Crankshaft (Incl. 12 & 13) 12 29783 Crankshaft (Incl. 12 & 13) 13 27884 Cap, Lower Valve spring 14A 32593B Plate, Lock & Pin Assy, (Std.) (2-34")(Incl. 16) 14A 32593B Plate, Piston & Pin Assy, (Std.) (2-34")(Incl. 16) 14A 32594B Piston & Pin Assy, (Vol.) (CS) (Incl. 16) 14 34519 Piston & Pin Assy, (Vol.) (CS) (Incl. 16) 14 34519 Piston, Pin & Ring Set (Std.) (2-34" Bore) 15 32595 Ring Set (Mol.) (2-34" Bore) 16 27888 Ring, Piston, Pin & Ring Set (O10" OS) 16 32597 Ring Set (Mol.) (2-34" Bore) 17 32591C Rod Assy, Cornecting Incl. 10 & 18) 18 60062C Screw, Incl. 11 Carsh Set (Mol.) (2-34" Bore) 19 13 14 3451A Unit of the Cornection of the C				
4 32630 Seai, Cili 5 32783 Intake Valve (Std.) (Incl. 9) 6 278784 Exhaust Valve (Std.) (Incl. 9) 6 27878A Exhaust Valve (Std.) (Incl. 9) 6 27880A Exhaust Valve (Std.) (Incl. 9) 7 27882 Cap. Upper valve spring retainer (Use as re quired) 7 27882 Cap. Upper valve spring 8 27881 Spring, Valve 8 27881 Spring, Valve 9 32581 Cap. Lower valve spring 9 32581 Cap. Lower valve spring 10A 32590 Plate, Lock & Oil dipper (This plate may be replaced by 34242 did pipper to the 50682C screw must be used.) 10 34242 Dipper, Oil 11 32995 Crankshaft (Incl. 12 & 13) 12 29783 Crankshaft (Incl. 12 & 13) 13 27884 Geart, Crankshaft (Sea Pin (Early production) 14 32594B Piston & Pin Assy, (Std.)(2-34") (Incl. 16) 14 34517 Piston & Pin Assy, (107 CS) (Incl. 16) 14 34517 Piston & Pin Assy, (107 CS) (Incl. 16) 14 34519 Piston & Pin Assy, (107 CS) (Incl. 16) 14 34519 Piston & Pin Assy, (107 CS) (Incl. 16) 15 32596 Ring Set (1010" CS) 16 32596 Ring Set (1010" CS) 16 32596 Ring Set (1010" CS) 17 32591 Ring Set (1010" CS) 18 66062C Screen Ring Set (1010" CS) 18 67888 Ring, Piston pin retaining 17 32591 Ring Set (1010" CS) 18 67888 Ring, Piston pin retaining 18 650662C Screen Ring Set (1010" CS) 2 314514 Cyalve Set Set Set Set Set Set Set Set Set Se				·
5 32783 Intake Valve (Std.) (Incl. 9) 5 32784 Intake Valve (1/32* OS) (Incl. 9) 6 27880A Exhaust Valve (1/32* OS) (Incl. 9) 7 27880A Exhaust Valve (1/32* OS) (Incl. 9) 7 27882 Exhaust Valve (1/32* OS) (Incl. 9) 8 27881 Exhaust Valve (1/32* OS) (Incl. 9) 9 27881 Spring, Valve 9 3 2281 Spring, Valve 9 3 2281 Spring, Valve 9 3 2281 Cap, Lower valve spring 9 2281 Cap, Lower valve spring 10 34242 Dipper, Oil 11 32995 Crankshaft (Incl. 12 & 13) 12 27884 Cap, Lower valve spring 13 27884 Cap, Lower valve spring 14 32995 Crankshaft (Incl. 12 & 13) 13 27884 Cap, Lower valve spring 14 32593B Piston & Pin Assy, (1012* 34*) (Incl. 16) 14 3 4519 Piston & Pin Assy, (1012* 34*) (Incl. 16) 14 3 4518 Piston & Pin Assy, (1012* 0'S) (Incl. 16) 15 32596 Piston & Pin Assy, (1010* OS) (Incl. 16) 16 32596 Piston & Pin Assy, (1010* OS) (Incl. 16) 17 32597 Piston, Pin & Ring Set (1010* OS) 18 32598 Ring Set (1010* OS) 18 32599 Ring Set (1010* OS) 19 32599 Ring Set (1010* OS) 16 27888 Ring, Piston pin retaining 17 22591C Rod Assy, Cornecting (Incl. 10 & 18) 17 32591 Ring Set (1010* OS) 18 403451 Carnshaft (Incl. 24 OR) 19 314514 Carnshaft (Incl. 24 OR) 19 32591 Ring Set (1010* OS) 19				
5 32784 Intake Valve (1/32" OS) (incl. 9) 6 27878A Exhaust Valve (1/32" OS) (incl. 9) 6 27880A Exhaust Valve (1/32" OS) (incl. 9) 7 27882 Cap, Upper valve spring retainer (Use as re quired) 7 27881 Spring, Valve 8 27881 Spring, Valve 9 32581 Cap, Lower valve spring 9 32581 Cap, Lower valve spring 10A 32590 Pale, Lock & Oil dipper (This plate may be replaced by 3/4242 oil dipper but 680662C screw must be used.) 10 34242 Dipper, Oil 11 32995 Crankshaft (Gae Pin (Early production) 12 27884 Cap, Lower valve spring 13 27884 Crankshaft (Gae Pin (Early production) 14 32593 Crankshaft (Gae Pin (Early production) 15 27884 Cap, Lower valve spring 16 27884 Crankshaft (Gae Pin (Early production) 17 27884 Cap, Lower valve spring 18 27884 Cap, Lower valve spring 19 32585 Crankshaft (Gae Pin (Early production) 19 4242 Dipper, Oil 10 34242 Dipper, Oil 11 32995 Crankshaft (Gae Pin (Early production) 10 34242 Dipper, Oil 11 32983 Crankshaft (Gae Pin (Early production) 11 2 27884 Cap, Lower valve spring 11 3 27884 Cap, Lower valve spring 12 3 46385 Piston & Pin Assy, (Ott) OS) (Incl. 16) 14 3 4519 Piston & Pin Assy, (Ott) OS) (Incl. 16) 14 3 4519 Piston & Pin Assy, (Ott) OS) (Incl. 16) 15 32596 Ring Set (Ott) OS) 16 32596 Ring Set (Ott) OS) 16 32597 Ring Set (Ott) OS) 16 32597 Ring Set (Ott) OS) 17 32591 Ring Set (Ott) OS) 18 650662C Screw, Connecting (Incl. 10 & 18) 28 31451A Oylinder Cover (Incl.24, 106, 309, 31 0 & 311) 29 31451A Oylinder Cover (Incl.24, 106, 309, 31 0 & 311) 30 3084 Gasket, Oylinder Cover (Incl.24, 106, 309, 31 0 & 311) 31 32691C Rod Assy, Connecting (Incl. 10 & 18) 32 32631A Gasket, Oylinder Head Gasket, Oylinder C				·
6 27878A Exhaust Valve (Std.) (find. 9) 6 27880A Exhaust Valve (1742 OS) (find. 9) 7 27882 Exhaust Valve (1742 OS) (find. 9) 7 27882 Cp. Upper valve spring retainer (Use as re quired) 7 27882 Spring, Valve 8 27881 Spring, Valve 9 A 32881 Spring, Valve 10 A 32590 Pale, Lock & Oid piper (This plate may be replaced by 34242 oid dipper but 650652C screw must be used.) 10 34242 Dipper, Oil 11 32995 Crankshaft (Ind. 12 & 13) 12 29783 Crankshaft (Gaer In (Early production) 13 27884 Servicabet (Used in early production) This gear is servicable onlywhen it is pinned to the crankshaft. 14 A 32592B Piston & Pin Assy. (2010* OS) (Ind. 16) 14 A 32593B Piston & Pin Assy. (1010* OS) (Ind. 16) 14 34517 Piston & Pin Assy. (1010* OS) (Ind. 16) 14 34518 Piston & Pin Assy. (1010* OS) (Ind. 16) 15 32595 Rigs (310* (2-34" Bore) 15 32595 Rigs (310* (2-34" Bore) 16 32595 Rigs (310* (2-34" Bore) 17 32591C Rod Assy., Connecting (Ind. 10 & 18) 23 3151A Oylinder Cover (Ind. 24, 106, 309, 31 0 & 311) 24 31516 Subject Cover (Ind. 24, 106, 309, 31 0 & 311) 24 31516 Subject Cover (Ind. 24, 106, 309, 31 0 & 311) 25 31297 Dipstick, Oil (Ind. 30) 26 30884 "Gasket, Oylinder cover (Ind. 24, 106, 309, 31 0 & 311) 36 66062C Screw, Connecting (Cankshaft (Use as required) 37 33036 Resistor Spark Plug (RJ-82) 38 28423 Servet, Oylinder House 39 28423 Servet, Oylinder House 40 28424 Element, Breather Over				
6 27880A 7A 20810 7A 20810 Pin, Valve spring relainer (Use as re quired) 7 27882 8 27881 8 27881 Spring, Valve Spring,				
7A 20810 7 27882 8 27881 8 27881 8 27881 8 27881 8 27881 8 27881 8 27881 8 27881 9 3 2581 9 3 2581 10 3 2581 10 3 2581 10 3 2581 11 2 29783 11 2 29783 12 29783 13 27884 14 3 25950 15 29783 16 29783 17 2 29783 18 2 29783 18 2 29783 19 29784 19 29783 10 3 24242 11 20995 10 3 24242 11 20995 11 20995 12 20783 13 27884 14 3 25928 14 2 20783 15 2 29783 16 27884 17 2 29783 18 2 29783 18 2 29783 19 29784 19 29784 19 29784 10 29785				
7 27881 8 27881 8 27881 8 27881 8 27881 8 27881 8 27881 8 27881 8 27881 8 27881 8 27881 9 32881 9 32881 9 32881 10A 32990 Pale, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 10 34242 Dipper, Oil 11 32995 Crankshaft (Incl. 12 & 13) Crankshaft (Incl. 13 & 13) Crankshaft (Incl. 20) Cranksh				
8 27881 8A 27881 Spring, Valve 9A 32581 Gap, Lower valve spring 10A 32590 Relate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 10 34242 Dipper, Oil 11 32995 Crankshaft (Incl. 12 & 13) Crankshaft (Incl. 12 & 13) Crankshaft (Gear Pin (Early production) Gear, Crankshaft (Gear Pin (Early production) This gear is servicable onlywhen it is pinned to the crankshaft. 14A 32592B Piston & Pin Assy, (Sd)(2-34") (Incl. 16) Piston & Pin Assy, (Colt O'OS) (Incl. 16) Piston & Pin Assy, (Colt O'OS) (Incl. 16) Piston & Pin Assy, (Colt O'OS) (Incl. 16) Piston, Pin & Ring Set (Colt O'OS) Piston, Pin &				
8A 27881 9A 32581 Cap, Lower valve spring Cap, Lower valve spring Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 10 34242 Dipper, Oil Crankshaft (Incl. 12 & 13) Crankshaft (Used in early production) This gear is servicable onlywhen it is pinned to the crankshaft. 14A 32592B Piston & Pin Assy. (Std.)(2-3/4")(In cl.16) Piston & Pin Assy. (Oil O') CoS) (Incl. 16) Piston & Pin Assy. (Oil O') CoS) (Incl. 16) Piston & Pin Assy. (Oil O') CoS) (Incl. 16) Piston & Pin Assy. (Oil O') CoS) (Incl. 16) Piston & Pin Assy. (Oil O') CoS) Piston, Pin & Ring Set (Std.) (2-3/4" Bore) Piston, Pin & Ring Set (Oil O') CoS) Piston, Pin & Ring Set (Oil O') CoS) Piston, Pin & Ring Set (Oil O') CoS Piston, Pin & Pin More Piston, Pin & Ring Set (Oil O') CoS Piston, Pin & Ring S				
9A 32581 9 32581 Cap, Lower valve spring 9 32581 Cap, Lower valve spring Pale, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 10 34242 Dipper, Oil Crankshaft (Incl. 12 & 13) 12 29783 Crankshaft Gear Pin (Early production) Gear, Crankshaft (Used in early produ clion) This gear is servicable onlywhen it is pinned to the crankshaft. 14A 32592B Piston & Pin Assy. (Std.)(2-34*) (Incl. 16) Piston & Pin Assy. (O10* OS) (Incl. 16) Piston & Pin Assy. (O10* OS) (Incl. 16) Piston & Pin Assy. (Std.)(2-34*) Bore) Piston, Pin & Ring Set (Cl10* OS) Piston, Pin & Ring Set (Cl10* OS) Piston, Pin & Ring Set (O10* OS) Piston, Pin & Ring Set (O10* OS) Piston, Pin & Ring Set (O10* OS) Piston, Pin & Ring Set (O20* OS	8	27881		Spring, Valve
9 32581 Cap, Lower valve spring 10A 32590 Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 10 34242 Dipper, Oil Crankshaft (Incl. 12 & 13) 12 29783 Crankshaft (Gear Pin (Early production) 13 27884 Sear, Crankshaft (Gear Pin (Early production) 14 25784 Sear, Crankshaft (Gear Pin (Early production) 15 2598 Piston & Pin Assy, (Std.)(2-34") (Incl. 16) 16 17 2593B Piston & Pin Assy, (Std.)(2-34") (Incl. 16) 17 2593B Piston & Pin Assy, (Coro 'Os) (Incl. 16) 18 2593B Piston & Pin Assy, (Coro 'Os) (Incl. 16) 19 2593 Piston, Pin & Ring Set (Git) (2-34" Bore) 19 2595 Piston, Pin & Ring Set (Otto' Os) 19 32595 Ring Set (Std.) (2-34" Bore) 19 32596 Ring Set (Gito' Os) 19 32597 Ring Set (Gito' Os) 10 32597 Ring Set (Gito' Os) 10 32591 Ring Set (Gito' Os) 11 32591 Ring Set (Gito' Os) 12 32591 Ring Set (Gito' Os) 13 32591 Ring Set (Gito' Os) 14 34514 Captan (MCR) 15 16 Carashaft (MCR) 16 27888 Ring, Piston pin retaining 17 32591 Ring Set (Gito' Os) 18 600662C Screw, Connecting (Incl. 10 & 18) 18 600662C Screw, Connecting (Incl. 10 & 30) 19 314514 Cylinder Cover (Incl.24, 106, 309, 31 0 & 311) 19 31546 Bushing, Crankshaft (Use as required) 24 28460 Seal, Oil 25 31237 Dipstick, Oil (Incl. 30) 26673 Gasket, Cylinder cover 28 600488 Screw, 1/4-20 x 1-1/4" 30 29673 Gasket, Oylinder Cover 30 30938A Head, Cylinder 31 600516 Screw, 1/4-20 x 1-1/8" 32 30631A Gasket, Oylinder Lead 33 30938A Head, Cylinder 34 Cip, Conduit (Use as required) 36 600695A Screw, 1/4-20 x 1-1/8" 37 3606 Resistor Spark Plug 37 4251 Resistor Spark Plug 38 27896A Screw, 5/16-18 x 2-1/2" (Use as required) 39 28423 Body, Breather 41 28425 Cover, Valve spiring	A8	27881		Spring, Valve
9 32581 10A 32590 Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 10 34242 Dipper, Oil 11 32995 Crankshaft (Ind. 12 & 13) Crankshaft (Gear Pin (Earthy production) Serviceable onlywhen it is pinned to the crankshaft. 12 29783 Crankshaft (Gear Pin (Earthy production) This gear is servicable onlywhen it is pinned to the crankshaft. 14A 32593B Piston & Pin Assy. (Std.)(2-34")(In d.16) Piston & Pin Assy. (Coro S) (Ind. 16) Piston & Pin Assy. (Coro S) (Ind. 16) Piston & Pin Assy. (Coro S) (Ind. 16) Piston, Pin & Ring Set (Git) (2-34" Bore) Piston, Pin & Ring Set (Coro S) Pist	9A	32581		Cap, Lower valve spring
Plaie, Lock & Oli dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 10 34242	9	32581		•
34242 di dipper but 650662C screw must be used.) 10 34242 11 32995				
Dipper, Oil				
11 32995 12 29783 13 27884 Crankshaft (Incl. 12 & 13) Crankshaft Gear Pin (Early production) Gear, Crankshaft (Used in early production) This gear is servicable onlywhen it is pinned to the crankshaft. 14A 32592B Piston & Pin Ass'y. (Std.)(2-3/4")(In cl. 16) Piston & Pin Ass'y. (O20" OS) (Incl. 16) Piston, Pin & Ring Set (Std.) (2-3/4" Bore) Piston, Pin & Ring Set (O10" OS) Piston, Pin & Ring Set (O20" OS) Piston, Pin & Ring Set (O10" OS) Piston, Pin & Ring Set (O20" OS) Piston, Pin & Ring Set (O10" OS) Piston, Pin & Ring Set (O10	40	04040		,
12 29783 13 27884 Crankshaft (Gear Pin (Early production) This gear is servicable onlywhen it is pinned to the crankshaft. 14A 32592B 14A 32593B 15 Piston & Pin Assy. (Std.)(2-3/4")(In cl.16) 15 Piston & Pin Assy. (O10" OS) (Incl. 16) 16 Piston & Pin Assy. (O10" OS) (Incl. 16) 17 Piston & Pin Assy. (O20" OS) (Incl. 16) 18 Piston & Pin Assy. (O20" OS) (Incl. 16) 19 Piston & Pin Assy. (O20" OS) (Incl. 16) 19 Piston, Pin & Ring Set (Std.) (2-3/4" Bore) 19 Piston, Pin & Ring Set (Std.) (2-3/4" Bore) 15 32595 16 32596 17 Ring Set (Gld.) (020" OS) 18 27888 Ring Set (O10" OS) 18 650662C Ring Set (O20" OS) Ring Set (O10" OS) Ring Set (O20" OS) Ring Set (O10" OS) Ring Set (O10" OS) Ring Set (O20" OS)				
Gear, Crankshaft (Used in early produ ction) This gear is servicable onlywhen it is pinned to the crankshaft. 14A 32592B 14A 32593B 14A 32594B 14A 32594B 14A 32594B 14A 32594B 14B Piston & Pin Ass'y. (O10" OS) (Incl. 16) 14B 34517 15B Piston & Pin Ass'y. (D20" OS) (Incl. 16) 15B 34517 16B 34518 17B 34518 18B Piston, Pin & Ring Set (Std.) (2-34" Bore) 17B 32595 18B Piston, Pin & Ring Set (D20" OS) 18B 32595 18B Piston, Pin & Ring Set (D20" OS) 18B 32596 18B Piston, Pin & Ring Set (D20" OS) 18B 32597 18B Ring Set (D20" OS) 18B 32597 18B Ring Set (D20" OS) 18B 32597 18B Ring, Piston pin retaining 18B 23591C 18B 60662C 18B 234034 18B 23546 18B 2				
servicable onlywhen it is pinned to the crankshaft. 14A 32592B 14A 32593B 14A 32593B 15ton & Pin Assy. (Std.)(2/34")(n cl.16) 14A 32594B 15ton & Pin Assy. (D20" OS) (Incl. 16) 14 34517 15ton, Pin & Ring Set (Std.) (2/34" Bore) 15ton, Pin & Ring Set (J010" OS) 14 34519 15 32595 16 32596 17 32596 18 Ring Set (J010" OS) 18 32597 19 Ring Set (J010" OS) 19 32597 10 27888 10 Ring Set (J010" OS) 19 32591 10 27888 11 32591C 11 32591C 12 32115 13 32591C 14 3451A 15 32591C 16 326662C 17 32115 18 650662C 19 32115 20 34034 21 31451A 22 34034 23 31451A 24 28460 25 31297 26 30684 26 31297 27 30684 28 650488 29 31297 29 30684 30 29673 31 650516 32 32631A 33 30933A 34 27793 35 28942 36 650695A 37 34251 38 27896A 39 28423 40 28424 41 28425 40 28424 41 28425 40 29642 41 28425 41 2842				
Piston & Pin Ass'y. (Std.)(2-3/4")(In cl.16)	13	27884		
14A 32594B				servicable onlywhen it is pinned to the crankshaft.
14A 32593B	14A	32592B		Piston & Pin Ass'y. (Std.)(2-3/4")(In cl.16)
144 32594B 14 34517 Piston & Pin Assly. (J020" OS) (Incl. 16) 14 34518 Piston, Pin & Ring Set (Std.) (2-34" Bore) 14 34519 Piston, Pin & Ring Set (J010" OS) 15 32595 Ring Set (J010" OS) 15 32596 Ring Set (J010" OS) 16 27888 Ring Set (J020" OS) 17 32591C Rod Assy, Connecting (Incl. 10 & 18) 18 650662C Screw, Connecting rod (2 each) 21 32115 Camshaft (MCR) 23 31451A Cylinder Cover (Incl.24, 106, 309, 31 0 & 311) 24B 31546 Bushing, Crankshaft (Use as required) 24 22460 Seal, Oil 25 31297 Dipstick, Oil (Incl. 30) 26 30684 *Gasket, Cylinder cover 28 650488 Screw, 1/4-20 x 1-1/4" 30 29673 *Gasket, Cylinder cover 31 650516 Screw, 1/4-20 x 1-1/4" 32 32631A *Gasket, Cylinder head 42 27793 Clip, Conduit (Use as required) 33 30938A Head, Cylinder 34 27793 Clip, Conduit (Use as required) 36 650697A Screw, 5/16-18 x 2-1/2" (Use as required) 37 3636 Resistor Spark Plug (RJ-8C) 38 28423 Body, Breather 26 Element, Breather 27 Salester 28 Element, Breather	14A	32593B		
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14 34519 15 32595 16 32595 17 32596 18 18 32597 18 18 32597 18 18 32597 18 18 32597 18 18 32597 18 19 32597 18 19 32597 18 19 32591 19 32591 10 27888 19 18 18 650662C 20 18 18 18 650662C 21 32115 22 34034 23 31451A 24 28460 25 31297 26 30684 27 28460 28 650488 28 650488 29 650488 29 650488 20 32631A 21 650516 22 32631A 23 32631A 24 63684 25 650697A 26 650697A 27 805864 28 650698A 29 28424 29 36424 29 3642 30 28424 30 28425 30 28425 30 2967, Valve spring				
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16 27888 Ring, Piston pin retaining 17 32591C Rod Assy., Connecting (Incl. 10 & 18) 18 650662C Screw, Connecting rod (2 each) 21 32115 Camshaff (MCR) 22 34034 Lifter, Valve 23 31451A Cylinder Cover (Incl.24, 106, 309, 31 0 & 311) 24B 31546 Bushing, Crankshaft (Use as required) 24 28460 Seal, Oil 25 31297 Dipstick, Oil (Incl. 30) 26 30684 Screw, 1/4-20 x 1-1/4* 30 29673 * Gasket, Oil filler 31 650516 Screw, 1/4-20 x 1-1/8" 32 32631A * Gasket, Oll filler 33 30938A Head, Cylinder 42 27793 Clip, Conduit (Use as required) 35 28942 Screw, 5/16-18 x 2-1/2" (Use as required) 36 650697A Screw, 5/16-18 x 2-1/2" (Use as required) 36 650695A Screw, 5/16-18 x 2 2-1/2" (Use as required) 37 34251 Resistor Spark Plug 38 27896A * Gasket, Breather				
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40 28424 Element, Breather 41 28425 Cover, Valve spring				
41 28425 Cover, Valve spring				
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42 26073 Washer (Use as required)				
	42	200/3		vvasner (Use as required)

Ref #	Part Number	Qty	Description
	650691		Washer, Flat (Use as required)
	650690		Washer, Belleville (Use as required)
	650128		Screw, 10-24 x 1/2"
	27915A		,
			* Gasket, Intake
	30195A		Flange, Carburetor (Incl. 79 & 80)
	30196		Screw, 5/16-18 x 3/4"
	29716		Screw, 1/4-28 x 7/16"
50	650548		Screw, 8-32 x 5/16"
52	32326A		Lever, Governor (New lever does not need 1 of
			51,66,132,164,165,207)
	2000		, , , , , , , , , , , , , , , , , , ,
	30205		Bracket, Adjusting
	30206		Link, Throttle
59	29216		Nut, Lock, 10-32
60	650152		Screw, 8-32 x 3/8"
61	29826		Screw, 10-32 x 3/4"
	29642		Ring, Retaining
	30699C		Rod Assy., Governor (Incl. 64 & 65)
65	30699B		Governor Rod Ass'y. (This one-piece governor rodis no longer
			used. It is replaced by 30699C ass'y.,Ref. no. 63A)
64	30700		Yoke, Governor
	650494		Screw, 6-40 x 5/16"
	29918		Lockwasher, #8 E.T.
	35350		Tube, Breather
	29747B		Screw, 5/16-24 x 21/32"
70	32158E		Blower Housing (For elec.star.)(Incl. 134,135)
71	650815		Washer, Belleville
72	8116		Nut, Hex
	29536		Blower Housing Baffle (without electric starter knock-out)
	20000		(Use as required)
			(Coo do required)
73	35256A		Blower Housing Baffle (with electric starter knock-out) (Use
			as required) (Point Ignition)
74	050504		Carray 4/4 00 y 5/0
	650561		Screw, 1/4-20 x 5/8"
75	31688A		* Gasket, Carburetor
79	29752		Nut & Lockwasher Assy., 1/4-28
80	650572		Screw, 1/4-28 x 1-1/8"
82A	730164		Air Cleaner Ass'y. (Incl. 60, 83, 87, 88, 89, 90A & 331B)
-			(Use as required)
83	27272A		* Gasket, Air cleaner
87	31691		Bracket, Air cleaner NOTE: 130010 thru 10C & 11 used in
			early production only.
22	00000		,,
	28820		Screw, 10-32 x 1/2"
	30727		Element, Air cleaner
90	31715		Body, Air cleaner
98	32924		Spring, Compression
99	650688		Screw, 10-32 x 1"
	29538		Base, Engine mounting
	32401		Muffler
	29443		Clip, Wire
	31845		Shaft, Mechanical governor
107	30591		Gear Assy., Governor (Incl. 109)
108	30588A		Spool, Governor
	30590A		Washer, Flat
	29193		Ring, Retaining
	650561		Screw, 1/4-20 x 5/8"
			·
114	31301		Fuel Tank (Incl. 115)

Ref #	Part Number Qty	Description
115	410144B	Fuel Cap (White Plastic)(Std)(As requ ired)
115	33032	Fuel Cap (Charcoal Plastic) (Spurt resistant, Low profile)
		(Use as required)
115	34210	Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
113	34210	required)
		required)
	35355	Fuel Cap (Use as required)
	28584	Fitting, Fuel strainer & elbow
	29774	Fuel Line (Braided 8-1/4" 21 cm)(Use as req.)
	30705	Fuel Line (Braided 16") (41 cm) (Use as req.)
	30962	Fuel Line (Braided 32") (81 cm) (Use as req.)
	650128	Screw, 10-24 x 1/2" (Use as required)
	30622A	Extension, Blower housing
	650542	Screw, 5/16-18 x 3/4"
	27930A	Gasket, Exhaust
	30196	Screw, 5/16-18 x 3/4"
	26073	Washer (Use as required)
	650694A	Screw, 5/16-18 x 2" (Use as required)
	32589	Key, Flywheel
	31843A	Bracket, Governor gear
	650836	Screw, 10-24 x 1/2"
	650493	Screw, 1/4-20 x 1-3/4"
	30747	Clip, Shorting
	610118	Cover, Spark plug (Use as required)
	650561	Screw, 1/4-20 x 5/8" (Use as required)
	30939A	Cover, Cylinder head
	32125	Cup, Starter
	590417	Screen, Starter cup
	26460 31461	Clamp, Fuel line
	610973	Bushing, Crankshaft (Use as required)
	27275	Terminal Ass'y. (As req. on late prod uction) Clip, Hi-tension wire (Use as require d)
	34246	Clip, Ground wire (Use as required)
	31752	Decal, Air cleaner
	550223	Decal, Name
	34346	Decal, Instruction
	32434	Contact Assy., Breaker
	610767A	Condenser
	631021	Inlet Needle, Seat & Clip Assy.
	631453	Carburetor (Incl. 75) (Refer to Division 5, Section A, page 100
000	001100	for breakdown)
227	610016	,
331	610816	Magneto (w/ring gear) (12 Volt) (7 Am p) NOTE: The complete magneto is not available as an assembly. The
		magneto number is shown for reference purposes only.
		Order component parts individually, as show in parts list.
		(Refer to Division 5, Section B, page 26 for breakdown)
338	590420	Rewind Starter (Refer to Division 5, Section C, page 25 for
		breakdown)
343	33239A	Gasket Set (Incl. items marked*)
0.10		The state of the s



	Det N. ed er		Description
			Description
	650516		Screw, 1/4-20 x 1-1/8"
	27793		Clip, Conduit (Use as required)
	28942		Screw, 10-32 x 3/8" (Use as required)
	650128		Screw, 10-24 x 1/2"
	29716		Screw, 1/4-28 x 7/16"
	30206		Link, Throttle
71	650815	,	Washer, Belleville
72	8116		Nut, Hex
92A	650399	;	Screw, 10-32 x 5/8" (Supplied by OEM)
92B	30712		Lever, Bellcrank
92C	31879		Link, Governor lever-to-bellcrank
	30312		Screw, 10-32 x 1/2"
	28562		Bushing, RPM adjusting lever
	29530		Bushing, Bellcrank
	30199A		Bracket, Speed control (Incl. 98 & 99)
	33450		Nut, Lock
	32977		Spring, Torsion
	30202		
			Spring, Extension
	30201A		Lever, Speed control
	32924		Spring, Compression
	650688		Screw, 10-32 x 1"
	30063		Screw, 1/4-20 x 1/2"
	610118		Cover, Spark plug (Use as required)
201	730152		Control Bracket (Incl. 92, 92A, 92B,93, 93A,94, 95, 95A &
		!	96)
263	650764		Nut, "U" Type (Use as required)
	610973		Terminal Ass'y. (As req. on late prod uction)
	31793		Bearing, Ball
	31855		<u> </u>
	650778		Retainer, Bearing
			Washer, Lock
	650580		Nut, Lock
	31792		Washer, Thrust
	550223		Decal, Name
338	590420		Rewind Starter (Refer to Division 5, Section C, page 25 for
			breakdown)
339	35765A		Electric Starter Motor (12 Volt) NOTE: The 29965, 32468,
	55.55.		32468B, 33606, 35765 and 35765A startermotors are used
			interchangeably on these models. Refer to service number
			stamped on end cap of motor, or on decal, for identification.
			Refer to Division 5, Section D for breakdown.
			·
340	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#342). Refer to service
			number stamped on end cap of motor, or on decal, for
			identifica
0.40	000444		
342	30811A		Flywheel (Ring gear flywheel requiredon engines using
		,	110-120 volt starter kits listed above)
342	611042		Flywheel (Used on Type letters H and above) (Std. Point
O-12			ignition) (Ring gear flywheel required on engines using
			110-120 volt starter kits listed above)
			,
342	611085		Flywheel (Minimum ring gear flywheel required on engines
			using 110-120 volt starter kits listed above) (Use with Solid
			State ignition)



Rof #	Part Number	Otv	Description
	27513	чιу	Lockwasher, 1/4" (Use as required)
	650697A		Screw, 5/16-18 x 2-1/2" (Use as requi red)
36	650695A		Screw, 5/16-18 x 2-1/4" (Use as requi red)
36	650694A		Screw, 5/16-18 x 2" (Use as required)
38	27896A		* Gasket, Breather cover
	26073		Washer (Use as required)
	650691		Washer, Flat (Use as required)
	650548		
			Screw, 8-32 x 5/16"
	30319		Rivet, Split (Used in early production)
52	32326A		Lever, Governor (New lever does not need 1 of
			51,66,132,164,165,207)
55	30205		Procket Adjusting
			Bracket, Adjusting
	730130		Exh.Adap.Kit (Incl. 58 & 125) (Use as req.)
	30196		Screw, 5/16-18 x 3/4" (Use as require d)
	29216		Nut, Lock, 10-32
61	29826		Screw, 10-32 x 3/4"
66	29918		Lockwasher, #8 E.T.
82B	730561		Air cleaner kit (Incl. 38, 67A, 83, 84B, 85,89B, 89C, 90A, 91,
			91A, 91B, 91C, 91D, 245 & 331B) (Use only on engines with
			an externally vented fully adjustable carburetor)
			an externally vertica fally adjustable carbarctory
82	730127		Air Cleaner Ass'y. (Incl. 60, 83, 87, 88, 89A, 90, 238 &
			331B) (Use as required)
	070704		, ,
	27272A		* Gasket, Air cleaner
84D	34819		Air Cleaner Elbow (Incl. 84B, 86A, 91, 91A, 91B & 91C) (Use
			in 730561 assembly only)
00	28820		Corour 10 22 x 1/2"
			Screw, 10-32 x 1/2"
	31715		Body, Air cleaner
	391026		Opt. Spark Arrest Muffler (Incl.196,1 97,199)
	31694		Bracket, Fuel tank
113	650561		Screw, 1/4-20 x 5/8"
118	29774		Fuel Line (Braided 8-1/4" 21 cm)(Use as req.)
118	30705		Fuel Line (Braided 16") (41 cm) (Use as req.)
	30962		Fuel Line (Braided 32") (81 cm) (Use as req.)
	27930A		Gasket, Exhaust
	30196		Screw, 5/16-18 x 3/4"
	650694A		Screw, 5/16-18 x 2" (Use as required)
	650548		Screw, 8-32 x 5/16" (Early production)
	610749		Regulator, Rectifier (10 Amp)
148	34067		Wire Assy., Alternator adapter (4-1/4 ")
148	34069		Wire Assy., Alternator adapter (6-3/4 ")
189	6201		Screw, 1/4-28 x 7/8"
	31288		Exh. Adaptor Kit (Incl.125,203,204) (As req.)
	650697A		Screw, 5/16-18 x 2-1/2" (Use as requi red)
			Screw, 5/16-18 x 1-1/2" (Use as required)
	6021A		. ,
	29752		Nut, Lock
	26460		Clamp, Fuel line
	29212		Screw, Hex hd. Sems, 1/4-28 x 7/16
331B	31752		Decal, Air cleaner