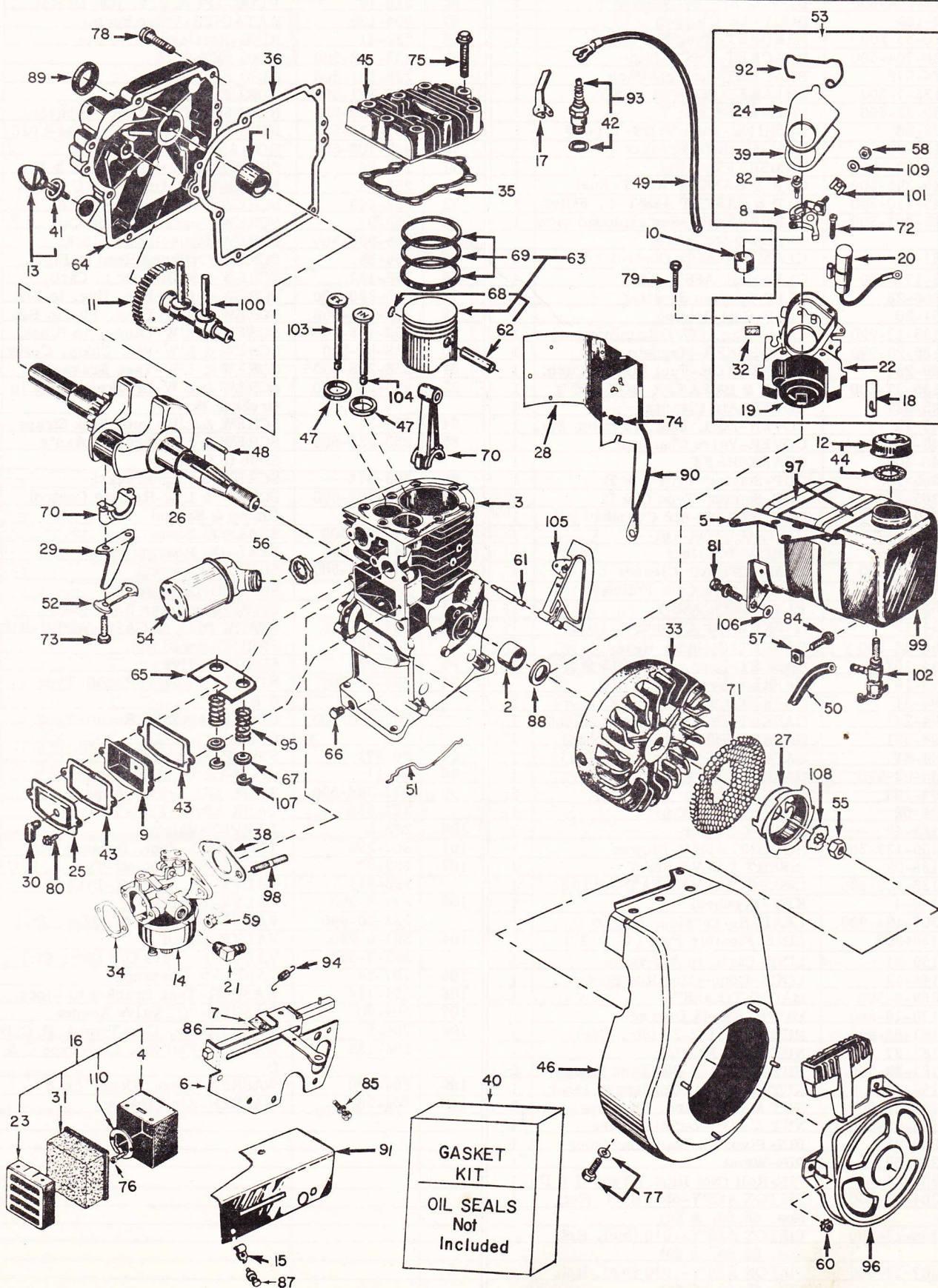




# BASIC PARTS LIST 404-0104-000

SEC. II, DIVISION 1962  
REVISED OCT. 1975  
SUPERSEDES JAN., 1966



CLINTON ENGINES CORPORATION

MAQUOKETA, IOWA

Printed in U. S. A.

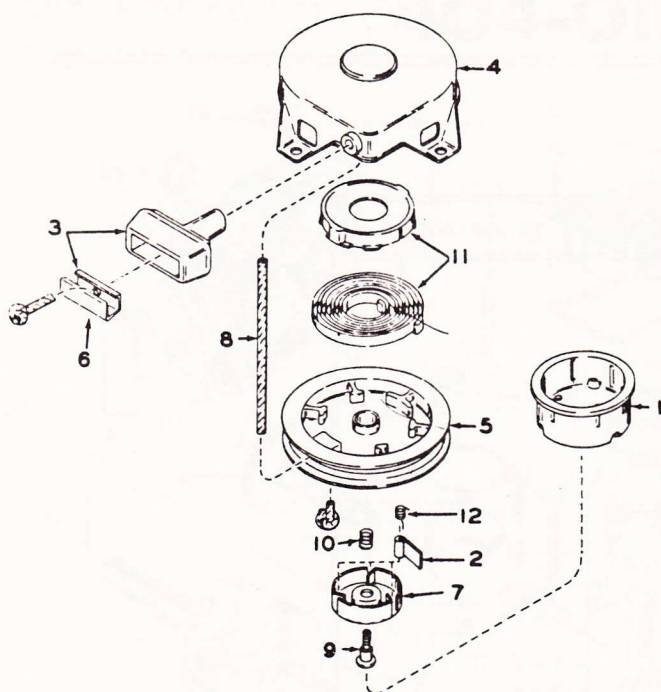


## 404-0104-000 BASIC PARTS LIST

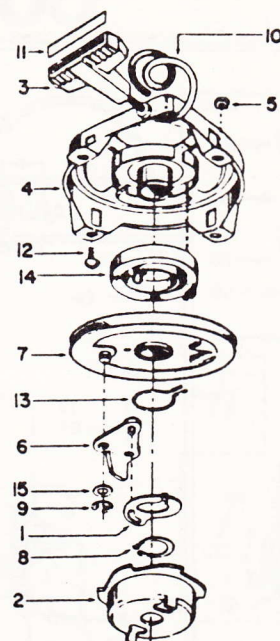
| Ref. No. | Part No.    | Description                                       | Qty. | Ref. No. | Part No.    | Description                               | Qty. |
|----------|-------------|---------------------------------------------------|------|----------|-------------|-------------------------------------------|------|
| 1        | 20-56       | BEARING-Sleeve (Plt. Ass'y)                       | 1    | 64       | 215-52-500  | PLATE ASS'Y-Bearing                       | 1    |
| 2        | 20-54       | BEARING-Main Sl. (Cyl. Blk.)                      | 1    | 65       | 215-136     | PLATE-Valve Spring Retainer               | 1    |
| 3        | 22-543-500  | BLOCK ASS'Y-Cylinder                              | 1    | 66       | 216-19      | PLUG-1/4 N. P. Y. (Oil Drain)             | 2    |
| 4        | 2-139       | BODY-Air Cleaner                                  | 1    | 67       | 304-135     | RETAINER-Valve Spring                     | 2    |
| 5        | 26-55-500   | BRACKET-Fuel Tk. Mtg.                             | 1    | 68       | 232-41      | RING-Retainer Wrist Pin                   | 2    |
| 6        | 26-704-500  | BRACKET ASS'Y-Slide                               | 1    | 69       | 233-112-500 | RING SET-Std.                             | 1    |
| 7        | 26-576      | BRACKET-Spring Attach                             | 1    |          | 235-121-500 | RING SET-.010                             |      |
| 8        | 135-7-500   | BREAKER POINTS ASS'Y                              | 1    |          | 237-121-500 | RING SET-.020                             |      |
| 9        | 29-32-500   | BREATHER ASS'Y                                    | 1    |          | 233-136-500 | RING SET-Chrome Re-Ring-Std.              |      |
| 9A       | 28-86       | BUSHING-Tank Valve-Type D                         | 1    |          | 237-136-500 | RING SET-Chrome Re-Ring-.020              |      |
| 10       | 157-29      | CAM-Magneto Breaker                               | 1    | 70       | 245-102-500 | ROD ASS'Y-Connecting                      | 1    |
| 11       | 6-432       | CAMSHAFT                                          | 1    | 71       | 257-30      | SCREEN-Rotating-Type A & B                | 1    |
| 12       | 45-395-500  | CAP & GASKET ASS'Y-Fuel                           | 1    |          | 257-25      | SCREEN-Rotating-Type C & D                | 1    |
| 13       | 45-110-500  | CAP & GASKET ASS'Y-O. Filler                      | 1    | 72       | 258-299     | SCREW-Condenser to Plate                  | 1    |
| 14       | 39-961-500  | CARBURETOR-See exploded view on page 3 for parts. | 1    | 73       | 258-9       | SCREW-Connecting Rod Cap                  | 2    |
| 15       | 81-13       | CLAMP-Remote Control                              | 1    | 74       | 258-936-500 | SCREW-Deflector to Block                  | 2    |
| 16       | 2-177-500   | CLEANER ASS'Y-Air                                 | 1    | 75       | 258-88      | SCREW-Cylinder Head to Block              | 8    |
| 17       | 266-28      | CLIP-Ignition Shorting                            | 1    | 76       | 258-131     | SCREW-Air Cleaner to Carb.                | 2    |
| 18       | 81-20       | CLIP-Coil Holding                                 | 1    | 77       | 258-280-500 | SCREW & L'W-Blw. Hsg. to Blk.             | 2    |
| 19       | 135-13-990  | COIL-Mag. (W/O Laminations)                       | 1    | 78       | 258-254-500 | SCREW & L'W-Brng. Plt. to Blk.            | 7    |
| 20       | 135-29-990  | CONDENSER-Magneto                                 | 1    | 79       | 258-108-500 | SCREW & L'W-Lamin. to Block               | 2    |
| 21       | 69-281      | CONNECTOR-Fuel Line to Carb.                      | 1    | 80       | 258-82-500  | SCREW & L'W-Vlv. Cham. Cover              | 2    |
| 22       | 135-37-500  | CORE & BREAKER BOX ASS'Y                          | 1    | 81       | 258-238-500 | SCREW & L'W-Tank Bracket                  | 1    |
| 23       | 45-337      | COVER-Air Cleaner                                 | 1    | 82       | 258-297-500 | SCREW & L'W-Breaker Points to Breaker Box | 1    |
| 24       | 45-15       | COVER-Dust, Mag. Breaker Pts.                     | 1    | 84       | 258-32      | SCREW & L'W-Fuel Tank Straps              | 2    |
| 25       | 45-82       | COVER-Valve Chamber                               | 1    | 85       | 258-936-500 | SCREW & L'W-Bracket Ass'y Slide to Carb.  | 2    |
| 26       | 46-403      | CRANKSHAFT                                        | 1    |          |             |                                           |      |
| 27       | 265-10      | CUP-Starter-Type A & B                            | 1    | 86       | 258-374     | SCREW-Spring Bracket                      | 1    |
|          | 265-277     | CUP-Starter-Type C & D                            | 1    | 87       | 258-957-500 | SCREW & L'W-Remote Control Clamp & Shroud | 2    |
| 28       | 259-56      | DEFLECTOR-Air Cylinder                            | 1    |          |             |                                           |      |
| 29       | 220-147     | DISTRIBUTOR-Oil                                   | 1    | 88       | 94-178-500  | SEAL-Oil Block                            | 1    |
| 30       | 158-415     | ELBOW-Breather                                    | 1    | 89       | 94-162-990  | SEAL-Oil Bearing Plate                    | 1    |
| 31       | 2-175-990   | ELEMENT-Air Cleaner                               | 1    | 90       | 259-659-500 | SHIELD-Flywheel                           | 1    |
| 32       | 94-189      | FELT-Lub., Cam Follower                           | 1    | 91       | 259-762     | SHROUD-Carburetor                         | 1    |
| 33       | 83-10-500   | FLYWHEEL ASS'Y                                    | 1    | 92       | 263-10      | SPRING-Breaker Box Cover                  | 1    |
| 34       | 94-13       | GASKET-Air Cleaner to Carb.                       | 1    | 93       | 267-28-500  | SPARK PLG. & GASK. ASS'Y-H10              | 1    |
| 35       | 94-48-990   | GASKET-Cylinder Head                              | 1    | 94       | 263-383     | SPRING-Speed Adj.                         | 1    |
| 36       | 94-107      | GASKET-Brng. Plt. .015 Std.                       | 1    | 95       | 263-92      | SPRING-Valve                              | 2    |
|          | 93-107      | GASKET-Brng. Plt. .010                            | 1    | 96       | 265-28-500  | STARTER ASS'Y-Recoil-Type A & B           | 1    |
| 38       | 94-31       | GASKET-Carb. to Block                             | 1    |          |             |                                           |      |
| 39       | 94-241      | GASKET-Breaker Compartment                        | 1    |          | 265-280-500 | STARTER ASS'Y-Recoil-Type C & D           | 1    |
| 40       | 94-591      | GASKET KIT-Engine Overhaul                        | 1    |          |             |                                           |      |
| 41       | 94-81       | GASKET-Oil Filler Cap                             | 1    | 97       | 26-671      | STRAP-Fuel Tank                           | 2    |
| 42       | 94-92-990   | GASKET-Spark Plug                                 | 1    | 98       | 24-11       | STUD-Carb. Mounting                       | 2    |
| 43       | 94-103      | GASKET-Valve                                      | 2    | 99       | 277-396-500 | TANK ASS'Y-Fuel-Type A, B, C              | 1    |
| 44       | 94-62       | GASKET-Fuel Cap                                   | 1    |          | 277-536     | TANK ASS'Y-Fuel-Type D                    | 1    |
| 45       | 122-17      | HEAD-Cylinder                                     | 1    | 100      | 278-5       | TAPPET-Valve                              | 2    |
| 46       | 259-123-500 | HOUSING ASS'Y-Blower                              | 1    | 101      | 307-230     | TERMINAL-Jam. Breaker Pts.                | 1    |
| 47       | 136-22      | INSERT VALVE SEAT                                 | 2    | 102      | 293-37      | VALVE-Fl. Shut-off-Type A, B, C           | 1    |
|          | 136-108-990 | INSERT VALVE SEAT-Stellite                        | 1    |          | 293-211     | VALVE-Fl. Shut-off-Type D                 | 1    |
| 48       | 148-4       | KEY-Flywheel                                      | 1    | 103      | 291-8-990   | VALVE-Exhaust                             | 1    |
| 49       | 307-194-990 | LEAD-Hi-Tension, Magneto                          | 1    |          | 292-20-990  | VALVE-Ex. .010 O/S (Ser. Pt.)             | 1    |
| 50       | 158-357     | LINE-Flexible Fuel (17-1/2")                      | 1    | 104      | 291-9-990   | VALVE-Intake                              | 1    |
| 51       | 159-21      | LINK-Carb. to Air Vane                            | 1    |          | 292-7-990   | VALVE-In. .010 O/S (Ser. Pt.)             | 1    |
| 52       | 148-13      | LOCK-Connecting Rod Screw                         | 1    | 105      | 107-34      | VANE-Air Governor                         | 1    |
| 53       | 268-6-500   | MAGNETO ASS'Y                                     | 1    | 106      | 304-134     | WASHER-Tank Bracket to Block              | 1    |
| 54       | 170-18-500  | MUFFLER-45 Degree                                 | 1    | 107      | 304-90      | WASHER-"C" Valve Keeper                   | 2    |
| 55       | 183-68-990  | NUT-Hex. 1/2-20 (Str. Cup)                        | 1    | 108      | 304-5       | WASHER-Str. Cup-Type A, B, C, D           | 1    |
| 56       | 183-37      | NUT-Lock Muffler                                  | 1    |          | 304-132     | WASHER-Flat Str. Cup-Type C & D           | 1    |
| 57       | 183-29-500  | NUT-Hex. 1/4-28 (Tank Straps)                     | 2    |          |             |                                           |      |
| 58       | 183-21      | NUT-Terminal Condenser Lead                       | 1    | 109      | 304-290     | WASHER-Term. Cond. Lead                   | 1    |
| 59       | 183-29-500  | NUT & L'W-Carb. Mounting                          | 2    | 110      | 304-562     | WASHER-Air Cleaner                        | 1    |
| 60       | 183-25-500  | NUT & L'W-Recoil Starter                          | 4    |          |             |                                           |      |
| 61       | 203-91      | PIN-Pivot Air Vane Governor                       | 1    |          |             |                                           |      |
| 62       | 203-65      | PIN-Wrist                                         | 1    |          |             |                                           |      |
| 62A      | 203-21      | PIN-Roll (Not Illus.) Type C & D                  | 1    |          |             |                                           |      |
| 63       | 204-13-500  | PISTON ASS'Y-Std. (Incl. Ref. Nos. 62, 68, & 69)  | 1    |          |             |                                           |      |
|          | 206-13-500  | PISTON ASS'Y-.010 (Incl. Ref. Nos. 62, 68, & 69)  |      |          |             |                                           |      |
|          | 207-13-500  | PISTON ASS'Y-.020 (Incl. Ref. Nos. 62, 68, & 69)  |      |          |             |                                           |      |



## RECOIL STARTER 265-280-500 Type C &amp; D



## RECOIL STARTER 265-28-500 Type A &amp; B

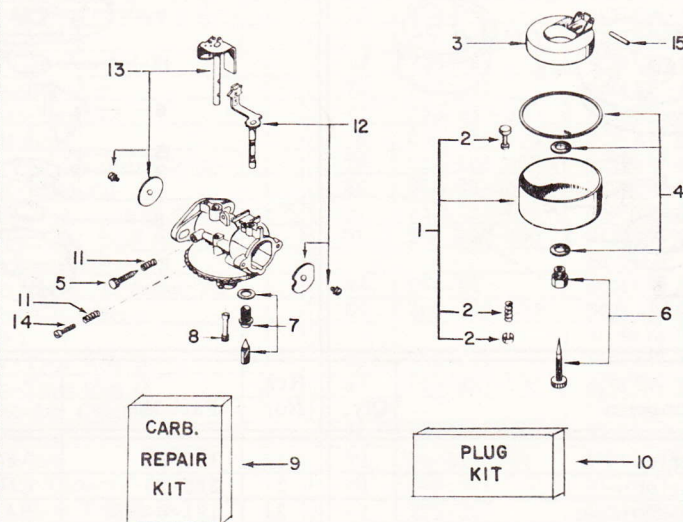


| Ref. No.                                                                | Part No.    | Description        | Qty. | Ref. No. | Part No.    | Description                 | Qty. |
|-------------------------------------------------------------------------|-------------|--------------------|------|----------|-------------|-----------------------------|------|
| 1                                                                       | 265-277     | CUP-Starter        | 1    | 1        | 157-2       | ACTUATOR                    | 1    |
| 2                                                                       | 157-505     | DOG-Starter        | 1    | 2        | 265-10      | CUP-Starter                 | 1    |
| 3                                                                       | 121-6-500   | HANDLE-Starting    | 1    | 3        | 121-6-500   | HANDLE                      | 1    |
| 4                                                                       | 124-210-500 | HOUSING ASS'Y      | 1    | 4        | 124-6-500   | HOUSING-Incl. Recoil Spring | 1    |
| 5                                                                       | 219-186-500 | PULLEY ASS'Y       | 1    | 5        | 183-25-500  | NUT & L'W ASS'Y             | 4    |
| 6                                                                       | 136-141     | REINFORCEMENT      | 1    | 6        | 157-129-500 | PAWL & PIN ASS'Y            | 1    |
| 7                                                                       | 232-213     | RETAINER-Dog       | 1    | 7        | 219-28-500  | PULLEY ASS'Y                | 1    |
| *8                                                                      | 246-7       | ROPE               | 1    | 8        | 232-147     | RING-Retaining              | 1    |
| 9                                                                       | 258-1103    | SCREW              | 1    | 9        | 232-35      | RING-Retaining              | 1    |
| 10                                                                      | 263-456     | SPRING-Brake       | 1    | 10       | 246-7       | ROPE                        | 1    |
| 11                                                                      | 265-278-500 | SPRING & CUP ASS'Y | 1    | 11       | 136-2       | INSERT-Handle               | 1    |
| 12                                                                      | 263-459     | SPRING-Dog         | 1    | 12       | 258-191     | SCREW-Pan Head              | 4    |
| *Required Length Rope Can Be Cut From Bulk 150" Roll<br>Part No. 246-38 |             |                    |      | 13       | 263-133     | SPRING-Actuator             | 1    |
|                                                                         |             |                    |      | 14       | 263-79      | SPRING-Recoil               | 1    |
|                                                                         |             |                    |      | 15       | 304-320     | WASHER                      | 1    |

## SERVICE INFORMATION 404-0104-000 SERIES

|                         |       |              |                       |       |                                            |
|-------------------------|-------|--------------|-----------------------|-------|--------------------------------------------|
| Type of Carburetion     | ----- | Float        | Oil Capacity          | ----- | 1-1/4 Pint                                 |
| Bore                    | ----- | 2- 3/8"      | Bearing-Flywheel End  | ----- | Bronze                                     |
| Stroke                  | ----- | 1-7/8"       | Bearing-PTO End       | ----- | Bronze                                     |
| Cubic Inch Displacement | ----- | 9.2          | Valve Lash Setting    | ----- | .009 to .011                               |
| Spark Plug Gap          | ----- | .025 to .028 | RPM-Horsepower Rating | ----- | 3 1/2 @ 3600                               |
| Point Setting           | ----- | .018 to .021 | Block Construction    | ----- | Die-Cast Aluminum<br>With Cast Iron Sleeve |

CARBURETOR 39-961-500 & 39-955-500



| Ref. No. | Part No.    | Description                                     | Qty. |
|----------|-------------|-------------------------------------------------|------|
| 1        | 25-16-500   | BOWL & DRAIN ASSY.---                           | 1    |
| 2        | 39-909      | DRAIN ASSY.-----                                | 1    |
| 3        | 82-2-500    | FLOAT & LEVER ASSY. -                           | 1    |
| 4        | *39-928     | GASKET KIT-----                                 | 1    |
| 5        | *181-2      | NEEDLE-Idle Adj.-----                           | 1    |
| 6        | *181-5-500  | NEEDLE-Power Adj.-----                          | 1    |
| 7        | *293-30-500 | NEEDLE & SEAT INLET---                          | 1    |
| 8        | 182-37      | NOZZLE-----                                     | 1    |
| 9        | 39-910      | REPAIR KIT-----                                 | 1    |
| 10       | 39-938      | PLUG KIT-----                                   | 1    |
| 11       | 263-82      | SPRING-Idle Needle &<br>Throttle Stop Screw---- | 2    |
| 12       | 6-447       | CHOKE SHAFT KIT-----                            | 1    |
| 13       | 6-488       | THROTTLE SHAFT KIT--                            | 1    |
| 14       | 258-60      | SCREW-Throttle Stop----                         | 1    |
| 15       | *6-195      | SHAFT-Float Hinge-----                          | 1    |

Ref. #12 not required on carburetor 39-955-500.

\* Indicates Parts In Repair Kit.





# MODEL VARIATIONS

## 404-0104-000

SEC. II, DIVISION 1962  
404-0104-000  
MODEL VARIATIONS  
REVISED SEPT., 1975  
SUPERSEDES JULY, 1971

The adaptation of Clinton Engines to wide variety of uses, results in what is known as Model Variations. Following is a list of Models produced to date. Opposite each Engine Model listed are the Part Numbers required in addition to or in place of standard parts. Refer to Basic Parts List for parts not listed in the Model Variations. For replacement engine to fit special applications, external part change may be required.

ENGINES AND SHORT BLOCKS MARKED WITH A ( ) INDICATES CRANKSHAFT CHANGE  
See Page C of this Manual on "How to Identify Your Clinton Engine."

| MODELS       | CRANKSHAFT        | NOTES                      | REPL. ENGINE # | SHORT BLOCK | MODELS       | CRANKSHAFT | NOTES                    | REPL. ENGINE # | SHORT BLOCK |
|--------------|-------------------|----------------------------|----------------|-------------|--------------|------------|--------------------------|----------------|-------------|
| 404-0104-011 | 46-860            | 9, 10                      | (21421)        | (149-503)   | 404-1304-245 | 46-404     | 2, 3, 12, 13             | 21423          | 149-504     |
| 404-0104-012 | 46-861            | 9, 10                      | (21421)        | (149-653)   | 404-1304-246 | 46-404     | 2, 3, 12, 13, 35         | 21423          | 149-504     |
| 404-0304-205 | 46-480            | 2, 4, 5, 6, 7              | 21608          | None        | 404-0104-247 | 46-403     | 18                       | 21421          | 149-653     |
| 404-7104-206 | 46-403            | 8                          | Note 28        | 149-653     | 404-7104-248 | 46-403     | 8, 18                    | Note 28        | 149-653     |
| 404-0104-207 | 46-860            | 9, 10, 18                  | (21421)        | (149-503)   | 404-0304-249 | 46-495     | 2, 3, 13, 20             | (21423)        | (149-504)   |
| 404-0104-208 | 46-861            | 9, 10, 18                  | (21421)        | (149-653)   | 404-0104-250 | 46-403     | 29                       | 21421          | 149-653     |
| 404-1304-209 | 46-404            | 2, 4, 6, 7, 11, 12, 13, 14 | Note 28        | None        | 404-0104-251 | 46-403     | 17, 18, 33               | 21421          | 149-653     |
| 404-1304-210 | 46-404            | 2, 3, 12                   | 21423          | 149-504     | 404-1304-252 | 46-829     | 2, 3, 36, 37             | (21423)        | 149-504     |
| 404-1164-211 | 46-417            | 1, 4, 6, 7, 12, 13, 14, 15 | Note 28        | None        | 404-1164-253 | 46-417     | 1, 12, 14                | Note 28        | (149-503)   |
| 404-1104-212 | 46-403            | 12, 13                     | 21421          | 149-653     | 404-7104-254 | 46-861     | 8, 10, 18                | Note 28        | (149-503)   |
| 404-7104-213 | 46-403            | 8, 16                      | Note 28        | 149-653     | 404-0164-255 | 46-417     | 1, 17, 18, 38            | 21422          | (149-503)   |
| 404-1304-214 | 46-404            | 2, 3, 12, 13               | 21423          | 149-504     | 404-0114-256 | 46-403     | 17, 22                   | 21583          | None        |
| 404-0304-215 | 46-490            | 2, 3, 17                   | 21603          | (149-504)   | 404-0104-257 | 46-403     | 17, 38                   | 21421          | 149-653     |
| 404-1164-216 | 46-417            | 1, 12, 13, 14, 19          | Note 28        | (149-503)   | 404-0304-258 | 46-404     | 2, 3, 17, 39             | 21423          | 149-504     |
| 404-1304-217 | 46-404            | 2, 3, 12, 13, 14, 19       | Note 28        | 149-504     | 404-0104-259 | 46-836     | 17, 18, 40               | Note 28        | None        |
| 404-1104-218 | 46-403            | 12                         | 21421          | 149-653     | 404-1304-260 | 46-404     | 2, 3, 13, 31, 41, 42     | 21423          | 149-504     |
| 404-1104-219 | 46-403            | 12, 20                     | 21421          | 149-653     | 404-0304-261 | 46-404     | 2, 3                     | 21423          | 149-504     |
| 404-1304-220 | 46-404            | 2, 3, 12, 20               | 21423          | 149-504     | 404-0104-262 | 46-860     | 17, 18, 42               | (21421)        | (149-503)   |
| 404-1164-221 | 46-417            | 1, 12                      | 21422          | (149-503)   | 404-0104-263 | 46-424     |                          | (21421)        | 149-503     |
| 404-1124-222 | 46-418            | 1, 12, 13                  | Note 28        | (149-503)   | 404-0304-264 | 46-490     | 2, 3                     | (21423)        | (149-504)   |
| 404-0114-223 | 46-403            | 7, 22, 23, 24, 25, 26, 27  | 21583          | None        | 404-0304-265 | 46-404     | 2, 3, 19, 20, 29         | 21423          | 149-504     |
| 404-1304-224 | 46-479            | 2, 3, 12, 14               | Note 28        | (149-504)   | 404-1304-266 | 46-404     | 2, 3, 12, 43, 44         | 21423          | 149-504     |
| 404-1304-225 | 46-495            | 2, 4, 6, 7, 11, 12         | (21608)        | None        | 404-1304-267 | 46-404     | 2, 3, 12, 17, 33, 45, 47 | 21423          | 149-504     |
| 404-0304-226 | 46-404            | 2, 3                       | 21423          | 149-504     | 404-0304-268 | 46-480     | 2, 4, 5, 6, 17, 46       | Note 28        | None        |
| 404-1304-227 | 46-479            | 2, 3, 12                   | (21423)        | (149-504)   | 404-0104-269 | 46-424     |                          | (21421)        | 149-503     |
| 404-1304-228 | 46-473            | 2, 3, 12                   | 21605          | (149-504)   | 404-0304-270 | 46-404     | 2, 3, 17, 45, 47         | 21423          | 149-504     |
| 404-1304-229 | 46-404            | 2, 4, 6, 7, 11, 12, 13, 14 | Note 28        | None        | 404-0104-271 | 46-424     | 32, 48                   | (21421)        | 149-503     |
| 404-1304-230 | 46-479            | 2, 3, 12, 14, 21           | Note 28        | (149-504)   | 404-0104-272 | 46-424     | 20                       | (21421)        | 149-503     |
| 404-1304-231 | 46-495            | 2, 3, 12                   | 21604          | (149-504)   | 404-0104-273 | 46-424     | 18, 49, 50               | Note 28        | 149-503     |
| 404-0304-232 | 46-404            | 2, 3, 19                   | 21423          | 149-504     | 404-1304-274 | 46-404     | 2, 3, 12, 13             | 21423          | 149-504     |
| 404-0304-233 | 46-495            | 2, 3                       | (21423)        | 149-504     | 404-0304-275 | 46-404     | 2, 3, 42, 51, 52         | 21423          | 149-504     |
| 404-0104-234 | 46-861            | 18, 29, 30                 | Note 28        | (149-653)   | 404-0304-276 | 46-404     | 2, 3, 45, 49, 51, 54     | 21423          | 149-504     |
| 404-0304-235 | 46-404            | 2, 4, 5, 6, 7              | 21423          | None        | 404-0104-277 | 46-403     | 18, 45, 55               | 21421          | 149-653     |
| 404-1304-236 | 46-495            | 2, 3, 12, 13               | (21423)        | None        | 404-0304-278 | 46-404     | 2, 3, 20                 | 21423          | 149-504     |
| 404-0104-237 | 46-403            | 20                         | 21421          | 149-653     | 404-7104-279 | 46-403     | 8, 18, 45, 55            | Note 28        | 149-653     |
| 404-1304-238 | 46-404            | 2, 3, 12, 13, 31           | 21423          | 149-504     | 404-1304-280 | 46-479     | 2, 3, 12, 14, 21         | Note 28        | (149-504)   |
| 404-0104-239 | 46-836            | 17, 18, 29, 32             | Note 28        | (149-653)   | 404-0304-281 | 46-404     | 2, 3, 45, 50, 55         | Note 28        | 149-504     |
| 404-0104-240 | Std. Model Engine |                            | 21421          | 149-653     | 404-0104-282 | 46-403     | 45, 50, 55, 56           | 21421          | 149-503     |
| 404-0304-241 | 46-490            | 2, 3, 17, 20, 29, 33       | Note 28        | (149-504)   | 404-0104-283 | 46-403     | 27, 57, 58               | Note 28        | None        |
| 404-0304-242 | 46-490            | 2, 3, 34                   | Note 28        | (149-504)   |              |            |                          |                |             |
| 404-0104-243 | Std. Model Engine |                            | 21421          | 149-653     |              |            |                          |                |             |
| 404-1304-244 | 46-495            | 2, 3, 7, 12, 13, 14, 21    | Note 28        | (149-504)   |              |            |                          |                |             |



| MODELS       | CRANKSHAFT | NOTES                              | REPL. ENGINE # | SHORT BLOCK | MODELS       | CRANKSHAFT | NOTES                   | REPL. ENGINE # | SHORT BLOCK |
|--------------|------------|------------------------------------|----------------|-------------|--------------|------------|-------------------------|----------------|-------------|
| 404-7304-284 | 46-404     | 2, 3, 8, 45, 49, 51, 54            | Note 28        | 149-504     | 404-0304-305 | 46-744     | 2, 3, 20                | Note 28        | (149-504)   |
| 404-8104-285 | 46-403     | Never Built                        |                |             | 404-0104-306 | 46-861     | 10, 29, 56              |                |             |
| 404-0304-286 | 46-480     | 2, 4, 5, 6, 7, 45, 59              | Note 28        | None        | 404-1104-307 | 46-403     | 13, 20                  | 21421          | 149-653     |
| 404-0104-287 | 46-403     | 17, 18                             | 21421          | 149-503     | 404-0304-308 | 46-926     | 2, 3, 51, 52, 60        | Note 28        | (149-504)   |
| 404-0104-288 | 46-925     | 23, 45, 49, 56                     | Note 28        | (149-503)   | 404-0104-309 | 46-925     | 2, 3, 52, 55            | Note 28        | (149-503)   |
| 404-0104-289 | 46-403     | 10, 17, 29, 56                     | 21421          | 149-503     | 404-0104-310 | 46-860     | 10, 56                  | (21421)        | (149-503)   |
| 404-0104-290 | 46-403     | 23, 55, 56, 60                     | 21421          | 149-503     | 404-1304-311 | 46-479     | 2, 3, 12, 14, 21        | Note 28        | (149-504)   |
| 404-0104-291 | 46-861     | 23, 45, 55, 56                     | (21421)        | (149-503)   | 404-1304-312 | 46-479     | 2, 3, 12, 14, 21        | Note 28        | (149-504)   |
| 404-0104-292 | 46-403     | 23, 45, 55, 56                     | 21421          | 149-503     | 404-0140-313 | 46-925     |                         | Note 28        | (149-503)   |
| 404-0304-293 | 46-404     | 2, 3, 23, 52, 55, 60               | 21423          | 149-504     | 404-1104-314 | 46-403     | 12, 14, 21              | 21421          | 149-503     |
| 404-0104-294 | 46-403     | Std. Engine                        | 21421          | 149-503     | 404-1124-315 | 46-418     | 1, 12                   | Note 28        | (149-503)   |
| 404-8104-295 | 46-861     | 8, 23, 45, 51, 55, 56, 61          | Note 28        | (149-503)   | 404-0104-316 | 46-925     |                         | Note 28        | (149-503)   |
| 404-8104-296 | 46-861     | 23, 45, 51, 55, 56, 61             | Note 28        | (149-503)   | 404-1304-317 | 46-404     | 2, 3, 12, 13            | 21423          | 149-504     |
| 404-0104-297 | 46-424     | 23, 51, 52, 54, 55, 56, 60, 62, 63 | Note 28        | (149-503)   | 404-0304-318 | 46-495     | 2, 3, 14, 21            | Note 28        | (149-504)   |
| 404-0164-298 | 46-417     | 1, 64                              | Note 28        | None        | 404-0114-319 | 46-403     | 22, 32, 67, 68          | 21582          | None        |
| 404-0304-299 | 46-479     | 2, 3, 64                           | (21423)        | (149-504)   | 404-1164-320 | 46-417     | 1, 12, 52, 69           | Note 28        | (149-503)   |
| 404-0304-300 | 46-480     | 2, 3, 64                           | (21423)        | (149-504)   | 404-0304-321 | 46-480     | 2, 4, 5, 14, 21, 70, 71 | Note 28        | (149-504)   |
| 404-0104-301 | 46-403     | 57, 58, 65                         | Note 28        | None        | 404-0104-322 | 46-925     | 32, 55, 72              | Note 28        | (149-503)   |
| 404-1304-302 | 46-479     | 2, 3, 12                           | (21423)        | (149-504)   | 404-0104-323 | 46-925     | 2, 3, 23, 55, 66, 72    | Note 28        | (149-503)   |
| 404-0104-303 | 46-925     | 51, 55, 56, 66                     | Note 28        | (149-503)   | 404-0304-324 | 46-479     | 2, 3                    | (21423)        | (149-504)   |
| 404-0104-304 | 46-925     | 23, 51, 52, 55, 56, 60, 62, 63     | Note 28        | (149-503)   | 404-0104-325 | 46-925     | 32, 72                  | Note 28        | (149-503)   |
|              |            |                                    |                |             | 404-1304-326 | 46-473     | 2, 3, 12, 73            | 21605          | (149-504)   |
|              |            |                                    |                |             | 404-0104-327 | 46-403     | 52, 66, 73              |                |             |
|              |            |                                    |                |             | 404-0104-328 | 46-403     | 56                      | 21421          | 149-653     |
|              |            |                                    |                |             | 404-0304-329 | 46-479     | 2, 3, 73                | Note 28        | (149-504)   |
|              |            |                                    |                |             | 404-1304-330 | 46-473     | 2, 3, 12, 73            | 21605          | (149-504)   |
|              |            |                                    |                |             | 404-0304-331 | 46-479     | 2, 3                    | Note 28        | (149-504)   |
|              |            |                                    |                |             | 404-1304-332 | 46-479     | 2, 3, 12, 73            | Note 28        | (149-504)   |

UNITS MARKED WITH A ( ) INDICATES CRANKSHAFT CHANGE.  
See Page C of this Manual on "How to Identify Your Clinton Engine."

#### 404 SERIES NOTES

- Note 1 Use 94-163-990 Oil Seal. Refer to Sec. III, Div. C, Page 1, for exploded view and parts usage for reduction units.
- Note 2 Use 20-4 Bearing (Ball), 232-30 Retainer (Crankshaft), 232-29 Retainer (Bearing), 232-36 Spacer, 94-166-990 Oil Seal, 304-467 Spacer (Cam Gear).
- Note 3 Use 215-489 Bearing Plate (P. T. O.).
- Note 4 Use 22-541-500 Block (Cylinder).
- Note 5 Use 215-86 Bearing Plate (P. T. O.).
- Note 6 Use 39-959-500 Carburetor, 6-430-500 Camshaft & Governor Weight Ass'y, 109-7 Collar (Governor), 304-126 Washer (Governor Shaft), 109-14 Yoke (Governor), 6-64 Shaft (Governor Yoke), (2) 258-61-500 Screw & L'W, 232-32 Ring, 157-11 Arm (Governor), 107-3 Adjustor (Governor Arm), 304-121 Washer, 258-936-500 Screw & L'W, 258-105 Screw, 159-160 Link (Throttle Actuating), 304-559 Spacer (Governor Bracket), 26-557 Bracket (Throttle Adj.), 258-898-500 Screw & L'W, 183-63 Nut (Throttle Adjusting), 245-10 Rod (Throttle Adj.), 263-325 Spring (Speed Regulating), 183-54 Nut, 263-45 Spring (Back Lash Gov. Link), 2-144 Body (Air Cleaner), 94-68 Gasket (Carburetor).
- Note 7 Use 170-159-500 Muffler and 69-16 Elbow (45°).
- Note 8 Use 83-103-500 Flywheel, 307-298 Sleeve Insulating, 268-18-500 Magneto. Refer to Sec. III, Div. N for Magneto parts, however, use 135-265-500 Condenser.
- Note 9 Use 26-702-500 Slide Ass'y, 31-4 Primer Bulb Kit, 39-955-500 Carburetor, 259-727 Shroud.
- Note 10 Use 259-787-500 Tank and Housing Ass'y with Fuel Indicator, 134-15-500 Fuel Indicator, 94-630-990 Gasket, and (2) 258-1003 Screws.
- Note 11 Use 215-87 Bearing Plate (P. T. O.).
- Note 12 Use 259-119-500 Housing Blower, 257-25 Screen, 219-17 Pulley (Starting), 304-132 Washer (Flywheel) and 246-13-500 Rope (Starting). Use 263-343 Spring on Air Vane Governor Models.
- Note 13 Use 69-54 Air Horn, 94-11 Gasket, 2-219-500 Oil Bath (Air Cleaner), 258-72 Screw, 183-66 Wing Nut, and (2) 258-105 Screws.
- Note 14 Use 277-64-500 Tank Ass'y (Dual Compartment), 26-55-500 Bracket (Tank Mtg.), (2) 26-159 Strap, (2) 258-254-500 Screw & L'W, (2) 183-1 Nut, (2) 69-24 Elbow (Fuel Line), 69-59 Nipple-Pipe, 293-10 Valve (3-Way), 69-5 Connector (Fuel Line), 158-357 Fuel Line, Cut to Length Required.



Note 15 Use 215-88-500 Bearing Plate (P. T. O.).

Note 16 Use 215-514-500 Bearing Plate (P. T. O.).

Note 17 Use 304-640 Spacer, 69-281 Connector, (2) 258-902 Screws, 158-74 Breather Tube (Cut 4-1/4" Long) and 69-69 Mandrel Tube (Retaining).

Note 18 Use 215-514-500 Bearing Plate (P. T. O.), 216-41 Plug (Pivot Pin Hole), 258-144 Set Screw, and 45-179 Oil Cap.

Note 19 Use 26-702-500 Slide Ass'y, 259-727 Shroud, 307-120-500 Wire Ass'y (Shorting), 183-26 Nut (Wire to Stator Ass'y), 70-10 Grommet, 183-259-990 Nut (Insulation), 266-26 Clip (Shorting), 258-83 Screw (Clip to Insulation Nut).

Note 20 Use 277-449-500 Fuel Tank, (2) 26-159 Straps, (2) 258-254-500 Screws and (2) 183-1 Nuts.

Note 21 Use 122-18 Cylinder Head (Kerosene).

Note 22 Use 215-452-500 Bearing Plate (P. T. O.), 6-434 Camshaft, 94-170-990 Oil Seal (Plate Bearing), 22-724-500 Block (Cylinder).

Note 23 Use 259-522-500 Housing (Blower).

Note 24 Use 39-968 Carburetor, 159-162 Governor Link, 263-372 Governor Spring, 169-90-500 Manifold, (2) 24-11 Stud, (2) 183-29-500 Nut, 94-515 Gasket, 26-601 Bracket (Shorting Wire), 183-259-990 Nut (Insulation), 266-26 Clip (Shorting), 258-83 Screw, 307-120-500 Shorting Wire, 183-26 Nut, 263-327 Spring (positioning), 157-379-500 Lever (Speed Adj.), (2) 304-145 Washer, and 258-247-500 Screw.

Note 25 Use 158-74 Tube (Breather), 69-269 Connector, 69-23 Elbow, 69-69 Mandrel Hose (Retaining).

Note 26 Use 26-605-500 Bracket Ass'y (Tank), (2) 26-606 Strap, (2) 258-244-500 Screw, (2) 183-53 Nut.

Note 27 Use 2-178-500 Air Cleaner Ass'y, 2-137 Body, 2-205-990 Element, 45-413 Cover, and (2) 258-105 Screws.

Note 28 Special Engine Order By Complete Model Number.

Note 29 Use 39-955-500 Carburetor Ass'y, 26-684-500 Slide Ass'y, 31-4 Primer Bulb Kit, 259-727 Shroud.

Note 30 Use Parts in Note 17 except use 69-5 Connector instead of 69-281.

Note 31 Use 170-37-500 Muffler Ass'y, 69-63 Nipple, 69-16 Elbow (45°).

Note 32 Use 259-733-500 Housing & Tank Ass'y.

Note 33 Use Parts as Listed in Note 13 except Use (2) 258-947 instead of (2) 258-105.

Note 34 Use 39-194-990 Carburetor Ass'y, 258-254-500 Screw & L/Washer Ass'y. Clinton Does Not Furnish Tank, Slide Bar Ass'y, or Governor Controls on this Model.

Note 35 Use 293-32-500 Valve Filter Ass'y.

Note 36 Use Parts as Listed in Note 12 except use 259-521-500 Tank & Housing Ass'y instead of 259-119-500.

Note 37 Use Parts as Listed in Note 13 except use 2-11-500 Air Cleaner (Updraft) instead of 2-219-500.

Note 38 Use Parts as Listed in Note 18 except use 910-20 Cap Oil instead of 45-179.

Note 39 Use 910-20 Cap Oil.

Note 40 Use 233-136-500 Ring Set (Chrome).

Note 41 Use Parts as Listed in Note 12 except use 259-790-500 Housing Blower instead of 259-119-500.

Note 42 Use Parts as Listed in Note 29 except use 259-242 Shroud instead of 259-727.

Note 43 Use Parts as Listed in Note 13 except use 2-9-500 Air Cleaner instead of 2-219-500 and use 69-55 Air Horn instead of 69-54.

Note 44 Use 158-74 Tube (Breather), 69-24 Connector, 69-69 Mandrel Hose (Retaining).

Note 45 Use 45-68-500 Cover Spark Plug.

Note 46 Use 263-89 Spring Exhaust Valve, 291-19-500 Rotor Cap Ass'y, 291-16 Valve Exhaust Stellite, 203-58 Pin Valve.

Note 47 Use 69-288 Elbow, 81-3 Clamp Cable, 69-287 Connector, 158-406 Line Fuel (Plastic), (2) 183-244 Nut & Ferrule Ass'y, 293-170 Valve (Fuel Shut-Off).

Note 48 Use 69-6 Connector (Hose).

Note 49 Use 39-955-500 Carburetor Ass'y, 26-736-500 Bracket & Slide Group, 259-242 Shroud (Carb.), 31-4 Bulb Primer Kit, 258-936-500 Screw.

Note 50 Use 277-508-500 Tank.

Note 51 Use 277-504-500 Tank, 134-16-500 Indicator Ass'y (Fuel), 94-630-990 Gasket, (2) 258-1003 Screw.

Note 52 Use 307-120-500 Wire Ass'y (Shorting), 70-7 Grommet, 258-936-500 Screw & L/Washer Ass'y, 183-26 Nut (Hex.).

Note 54 Use 136-129 Insert Recoil Handle.

Note 55 Use 26-736-500 Bracket & Slide Group.

Note 56 Use 215-514-500 Bearing Plate Ass'y.

Note 57 Use 22-817-500 Block Ass'y, 291-13-990 Valve Exhaust. Note: Use Standard Exhaust Valve on Intake Side.

Note 58 Use 169-90-500 Manifold Ass'y, 94-515 Gasket (Carb. to Manifold), 39-855-500 Carburetor Ass'y, 182-57 Jet Ass'y, 293-175-500 Valve Ass'y (Inlet), 69-294-500 Connector Group (Idle Fuel), (2) 258-284-500 Screw & L/W Ass'y (Manifold to Block), 157-422-500 Lever & Bracket Ass'y, 258-247-500 Screw & L/W Ass'y, 81-7 Clamp Fuel Line, 159-162 Link, 263-372 Spring-Gov., 26-641 Bracket (Regulator Mounting), 231-10-500 Regulator Ass'y, (2) 258-82-500 Screw & L/W Ass'y, 69-295-500 Elbow Hose Ass'y.

Note 59 Use Parts as Listed in Note 13 except use 2-9-500 Air Cleaner and 69-306 Air Horn.

Note 60 Use 45-66 Cover Spark Plug.

Note 61 Use 265-272-500 Kick Starter and 265-273 Cup-Kick Starter.

Note 62 Use 45-477-500 Cover Ass'y-Air Cleaner.

Note 63 Use 307-124-500 Wire Ass'y and 266-53 Switch.

Note 64 Same as Note 49 except omit 26-736-500 Bracket & Slide Group.

Note 65 Use 39-995-500 Carburetor, 69-5 Connector, (2) 81-7 Clamp, 26-641 Bracket (Reg. Mounting), 231-10-500 Regulator, (2) 258-82-500 Screw & L/W Ass'y, 69-295-500 Elbow Ass'y-Hose.

Note 66 Use 45-402-500 Cover-Spark Plug.

Note 67 Use 170-169-500 Muffler.

Note 68 Use 215-7-500 Plate-Air Cleaner, 94-550 Gasket, 2-33 Element, 45-5 Cover, 258-47-500 Screw & L'Washer.

Note 69 Use 83-12-500 Flywheel.

Note 70 Same as Note 6 Except Use Standard Carburetor.

Note 71 Use 267-21-990 Resistor-Spark Plug.

Note 72 Use 277-33-500 Tank-Fuel.

Note 73 Use 277-51-500 Tank-Fuel.