



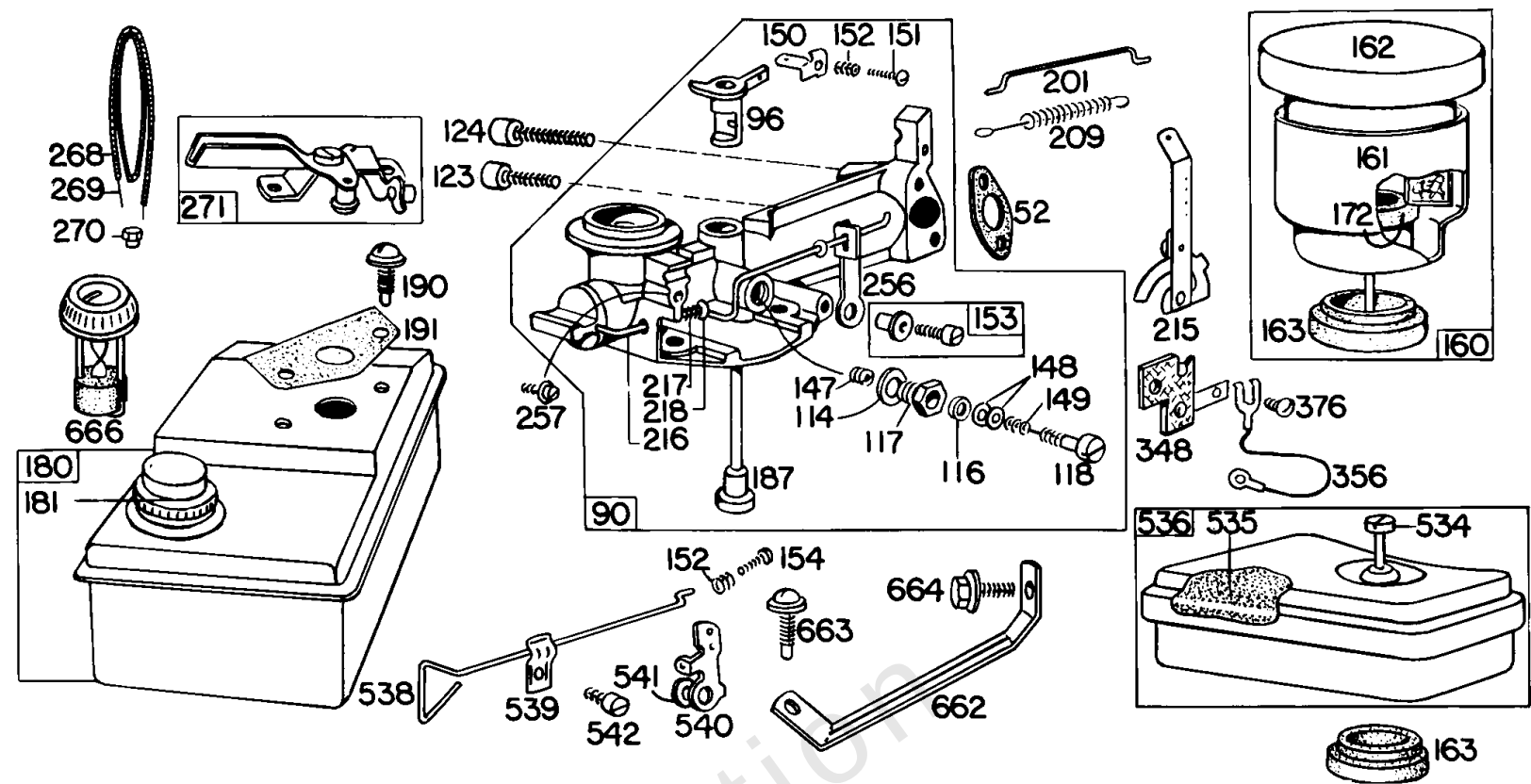
# Parts Manual

Mfg. No: 081502-9097-34



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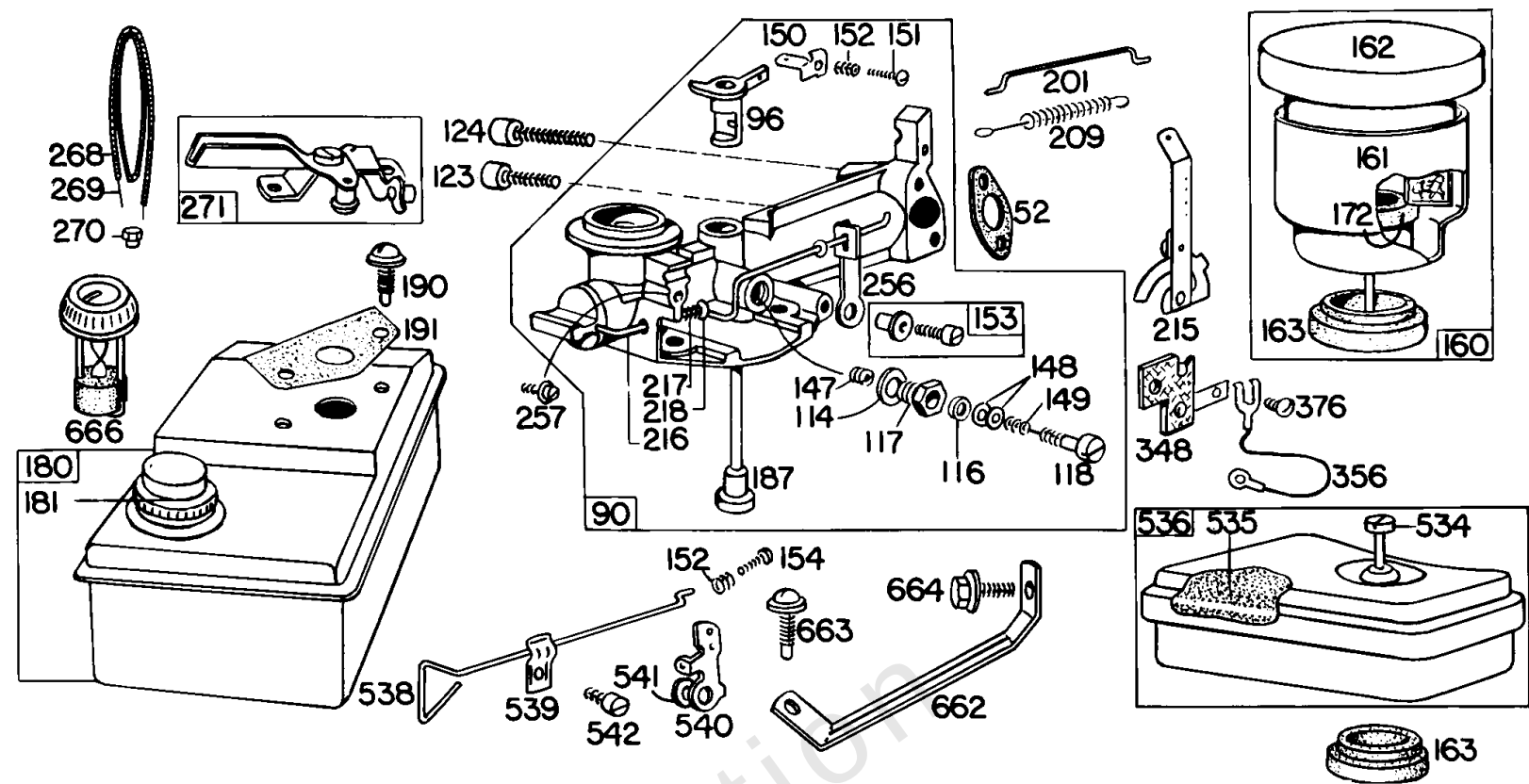


## Carburetor Assy

| REF NO | PART NO | QTY | DESCRIPTION                                                                                                        |
|--------|---------|-----|--------------------------------------------------------------------------------------------------------------------|
| 52     | 27355   |     | GASKET, Intake<br>-(2) Included in Gasket Set-Part No. 297275                                                      |
| 90     | 295334  |     | CARBURETOR<br>-(Choke-A-Matic)                                                                                     |
| 96     | 210721  |     | LINK, Throttle                                                                                                     |
| 114    | 65787   |     | SEAT, Needle Valve<br>-Included in Needle Valve Kit-Part No. 299060                                                |
| 116    | 65978   |     | SEAL, O-Ring<br>-(Needle Valve) Included in Needle Valve Kit-Part No. 299060                                       |
| 117    | 23431   |     | NUT, Needle Valve<br>-Included in Needle Valve Kit-Part No. 299060                                                 |
| 118    | 23433   |     | VALVE, Float Needle<br>-Included in Needle Valve Kit-Part No. 299060                                               |
| 123    | 93353   |     | SCREW<br>-(Carburetor)                                                                                             |
| 124    | 93360   |     | SCREW<br>-(Carburetor)                                                                                             |
| 147    | 23432   |     | SEAT, Needle Valve<br>-Included in Needle Valve Kit-Part No. 299060                                                |
| 148    | 22235   |     | WASHER<br>-Included in Needle Valve Kit-Part No. 299060                                                            |
| 149    | 26336   |     | SPRING, Needle Valve<br>-Included in Needle Valve Kit-Part No. 299060                                              |
| 150    | 220105  |     | LINK, Mechanical Governor                                                                                          |
| 151    | 92634   |     | SCREW<br>-(5-40 X 5/8)                                                                                             |
| 152    | 260575  |     | SPRING, Throttle Return                                                                                            |
| 153    | 298031  |     | SCREW<br>-(Carburetor Lever)                                                                                       |
| 154    | 93349   |     | SCREW                                                                                                              |
| 160    | 294870  |     | CLEANER, Air<br>-(With Mounting Stud)                                                                              |
| 161    | 293991  |     | CLEANER, Air                                                                                                       |
| 162    | 294861  |     | COVER, Air Cleaner<br>-(With Mounting Stud)                                                                        |
| 163    | 27660   |     | GASKET, Air Cleaner<br>-Included in Gasket Set-Part No. 297275                                                     |
| 172    | 27795   |     | GASKET, Air Cleaner<br>-(Air Cleaner)                                                                              |
| 180    | 293630  |     | TANK, Fuel                                                                                                         |
| 181    | 298425  |     | CAP, Fuel Tank<br>-(Metal)                                                                                         |
| 187    | 296476  |     | TUBE, Pick Up<br>-(Used To Replace Plastic Pipes) Uses: 293700 Pipe-Fuel (2-17/32 ) To replace brass pipes.        |
| 187    | 296842  |     | LINE, Fuel<br>-Uses: 295121 Pipe-Fuel To replace (2-9/32 ) brass pipes Used to replace 2-11/32 long plastic pipes. |
| 190    | 93259   |     | SCREW<br>-(Fuel Tank)                                                                                              |
| 191    | 27404   |     | GASKET, Fuel Tank<br>-Included in Gasket Set-Part No. 298588                                                       |
| 201    | 260024  |     | LINK, Choke                                                                                                        |
| 209    | 260599  |     | SPRING, Governor<br>-(Choke-A-Matic)                                                                               |
| 215    | 220107  |     | LEVER, Speed Adjuster                                                                                              |

### Footnotes:

Cables used on and after this serial number are molded into the coil

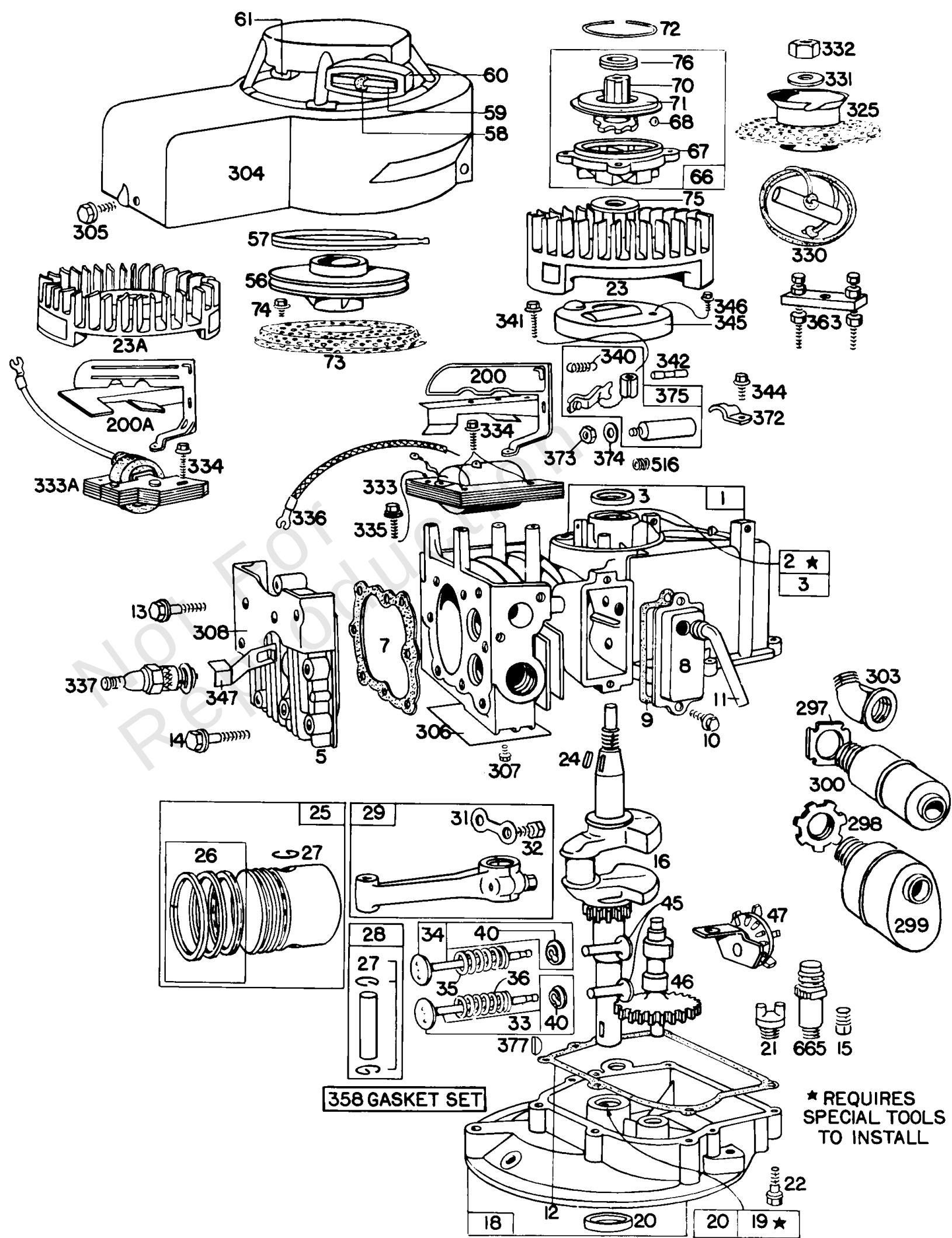


## Carburetor Assy

| REF NO | PART NO | QTY | DESCRIPTION                                                                                                                                                           |
|--------|---------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 215    | 293424  |     | LEVER, Governor Control                                                                                                                                               |
| 216    | 260188  |     | LINK, Choke                                                                                                                                                           |
| 217    | 260189  |     | SPRING, Friction                                                                                                                                                      |
| 218    | 220968  |     | WASHER<br>-(Choke Link)                                                                                                                                               |
| 256    | 220952  |     | LEVER, Speed Adjuster                                                                                                                                                 |
| 257    | 93263   |     | SCREW<br>-(10-32 X 3/8)                                                                                                                                               |
| 268    | 66986   |     | CASING, Control Wire<br>-(Cut To Required Length)                                                                                                                     |
| 269    | 26099   |     | WIRE, Control<br>-(Cut To Required Length) If longer wire is needed, specify length in inches; if shorter wire is needed, order No. 26099 and cut to required length. |
| 270    | 63426   |     | NUT<br>-(Control Wire Casing)                                                                                                                                         |
| 271    | 290568  |     | LEVER, Control                                                                                                                                                        |
| 348    | 296110  |     | SWITCH, Stop                                                                                                                                                          |
| 356    | 296185  |     | WIRE, Stop                                                                                                                                                            |
| 376    | 93167   |     | SCREW                                                                                                                                                                 |
| 534    | 93322   |     | SCREW<br>-(1 15/16)                                                                                                                                                   |
| 535    | 27987   |     | FILTER, Air Cleaner Foam                                                                                                                                              |
| 536    | 296766  |     | CLEANER, Air                                                                                                                                                          |
| 538    | 260560  |     | ROD, Governor Control                                                                                                                                                 |
| 538    | 260683  |     | ROD, Control<br>-(Square Rod)                                                                                                                                         |
| 539    | 221372  |     | CLIP, Control Rod                                                                                                                                                     |
| 540    | 221380  |     | LEVER, Control                                                                                                                                                        |
| 541    | 22398   |     | WASHER                                                                                                                                                                |
| 542    | 91494   |     | SCREW<br>-(10-32 X 3/8)                                                                                                                                               |
| 662    | 221611  |     | BRACKET, Support                                                                                                                                                      |
| 663    | 93395   |     | SCREW                                                                                                                                                                 |
| 664    | 93415   |     | SCREW<br>-(1/4-20 X 3/4)                                                                                                                                              |
| 666    | 297073  |     | GAUGE, Fuel                                                                                                                                                           |

### Footnotes:

Cables used on and after this serial number are molded into the coil

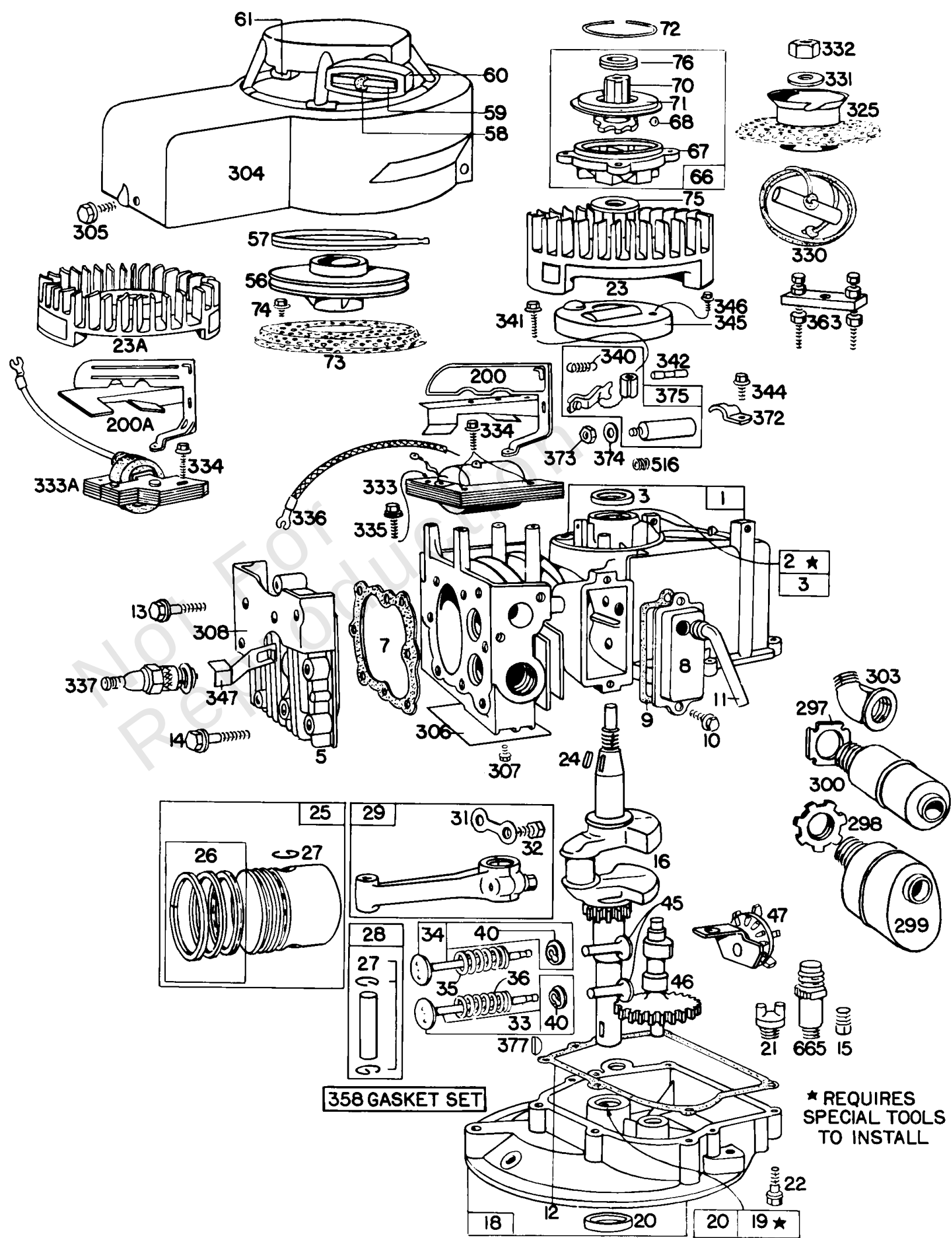


## Cylinder, Gears, Mufflers

| REF NO | PART NO | QTY | DESCRIPTION                                                               |
|--------|---------|-----|---------------------------------------------------------------------------|
| 2      | 293708  |     | KIT, Bushing/Seal<br>-(Plain Bearing)                                     |
| 3      | 89660   |     | SEAL, Oil                                                                 |
| 5      | 210812  |     | HEAD, Cylinder                                                            |
| 7      | 27670   |     | GASKET, Cylinder Head<br>-Included in Gasket Set-Part No. 297275          |
| 8      | 292833  |     | BREATHER ASSEMBLY                                                         |
| 9      | 27549   |     | GASKET, Rocker Cover<br>-Included in Gasket Set-Part No. 297275           |
| 10     | 93394   |     | SCREW                                                                     |
| 11     | 294032  |     | TUBE, Breather<br>-(with Spacer)                                          |
| 11     | 66638   |     | TUBE, Breather                                                            |
| 12     | 27586   |     | GASKET, Crankcase<br>-(.015) Included in Gasket Set-Part No. 297275       |
| 12     | 27617   |     | GASKET, Crankcase<br>-(.005) Included in Gasket Set-Part No. 297275       |
| 12     | 27618   |     | GASKET, Crankcase<br>-(.009) Included in Gasket Set-Part No. 297275       |
| 13     | 93111   |     | SCREW<br>-(15/16)                                                         |
| 14     | 93113   |     | SCREW<br>-(2 5/16) (2-5/16)                                               |
| 15     | 91084   |     | PLUG, Oil Drain<br>-(3/8)                                                 |
| 19     | 293709  |     | KIT, Bushing/Seal<br>-(PTO Side)                                          |
| 21     | 66768   |     | PLUG, Oil                                                                 |
| 23A    | 297949  |     | FLYWHEEL                                                                  |
| 24     | 61760   |     | KEY, Flywheel<br>-(Breaker Ignition)                                      |
| 27     | 26026   |     | LOCK, Piston Pin                                                          |
| 28     | 291925  |     | PIN, Piston<br>-(Standard)                                                |
| 28     | 291926  |     | PIN, Piston<br>-(.005 Oversize)                                           |
| 29     | 294201  |     | ROD, Connecting<br>-(Standard)                                            |
| 31     | 220756  |     | LOCK, Rod Screw                                                           |
| 32     | 92296   |     | SCREW<br>-(Connecting Rod)                                                |
| 34     | 296677  |     | VALVE, Intake<br>-(Grooved stem-includes Retainer)                        |
| 35     | 260552  |     | SPRING, Valve<br>-(Exhaust)                                               |
| 36     | 26478   |     | SPRING, Valve<br>-(Exhaust)                                               |
| 40     | 23184   |     | RETAINER, Valve                                                           |
| 40     | 23187   |     | PIN, Locating<br>-(Use with valves with hole in stem except with rotocap) |
| 40     | 93312   |     | RETAINER, Valve<br>-(Valves With Groove In Stem)                          |
| 46     | 210453  |     | CAMSHAFT                                                                  |
| 47     | 294652  |     | SLINGER, Governor/Oil                                                     |

### Footnotes:

Cables used on and after this serial number are molded into the coil

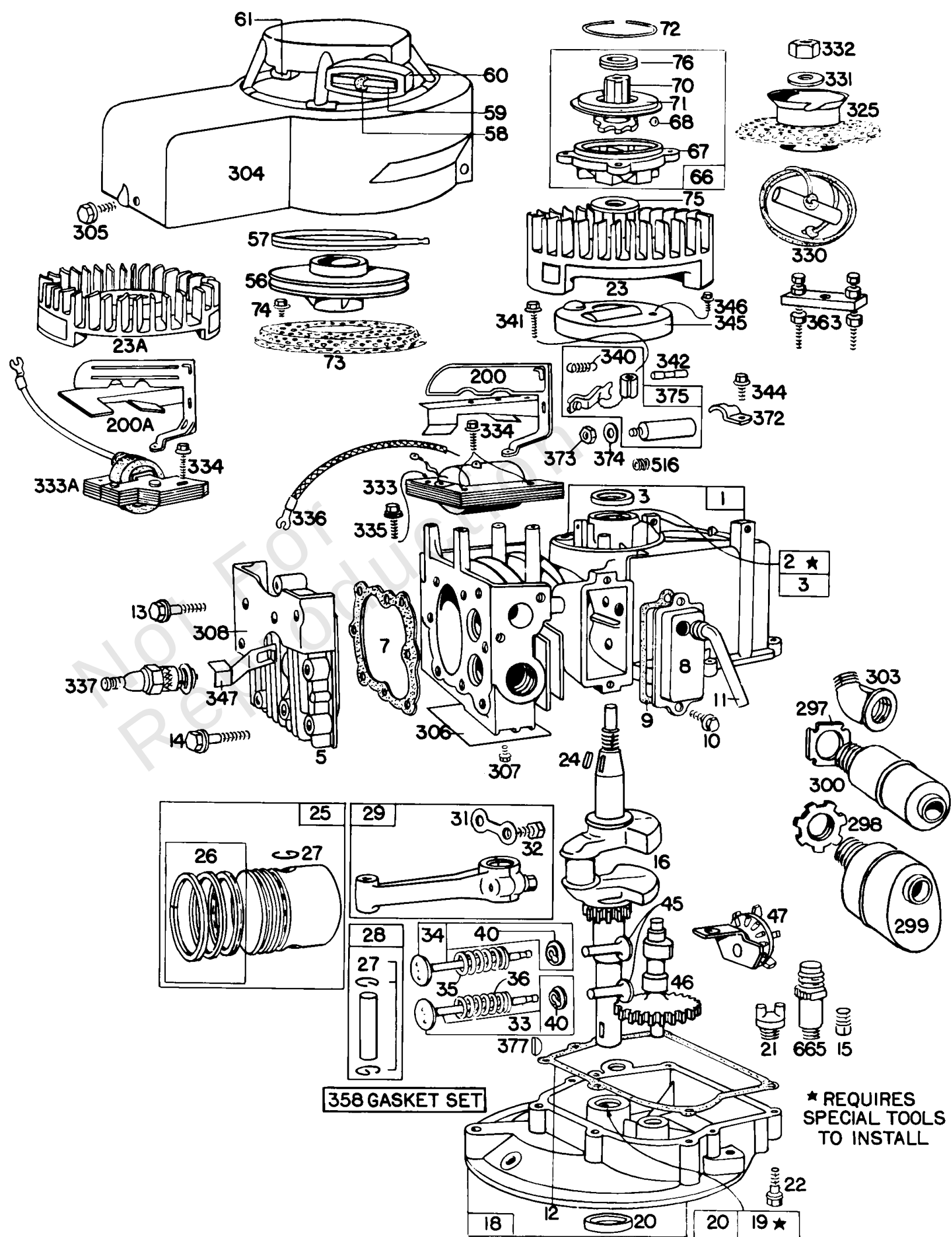


## Cylinder, Gears, Mufflers

| REF NO | PART NO | QTY | DESCRIPTION                                                                                      |
|--------|---------|-----|--------------------------------------------------------------------------------------------------|
| 56     | 294088  |     | PULLEY, Starter                                                                                  |
| 57     | 294303  |     | SPRING, Rewind Starter                                                                           |
| 58     | 66384   |     | ROPE, Starter<br>-(47-1/8) If longer rope is needed, order No. 66514 and cut to required length. |
| 59     | 230228  |     | PIN, Starter Grip                                                                                |
| 60     | 66728   |     | GRIP, Starter Rope                                                                               |
| 61     | 66528   |     | BUMPER, Starter Pulley                                                                           |
| 66     | 296468  |     | CLUTCH, Starter<br>-(Rewind and Wind-up Starter)<br>-Used Before Code Date 6405250               |
| 66     | 298310  |     | CLUTCH, Starter<br>-(Rewind Starter)<br>-Used After Code Date 6405220                            |
| 67     | 210400  |     | HOUSING, Clutch<br>-Used Before Code Date 6405250                                                |
| 67     | 211383  |     | HOUSING, Clutch<br>-Used After Code Date 6405220                                                 |
| 68     | 63770   |     | BALL, Clutch                                                                                     |
| 70     | 296597  |     | RATCHET, Clutch<br>-Used Before Code Date 6405250                                                |
| 70     | 298436  |     | RATCHET, Clutch<br>-Used After Code Date 6405220                                                 |
| 71     | 220575  |     | WASHER                                                                                           |
| 71     | 221301  |     | WASHER<br>-Used Before Code Date 6405250                                                         |
| 71     | 221653  |     | WASHER<br>-Used After Code Date 6405220                                                          |
| 72     | 26032   |     | RETAINER<br>-Used Before Code Date 6405250                                                       |
| 73     | 220648  |     | SCREEN, Rotating<br>-Used Before Code Date 6405250                                               |
| 73     | 221661  |     | SCREEN, Rotating<br>-(Rewind Starter)<br>-Used After Code Date 6405220                           |
| 74     | 93042   |     | SCREW                                                                                            |
| 76     | 66738   |     | WASHER, Sealing<br>-(Used only with 7 point shank ratchet)                                       |
| 76     | 68238   |     | SEAL, Ratchet<br>-Used After Code Date 6405220                                                   |
| 200A   | 297309  |     | BLADE, Governor<br>-Used After Code Date 6212310                                                 |
| 200    | 294617  |     | BLADE, Governor<br>-Used Before Code Date 6212310                                                |
| 297    | 91811   |     | LOCKNUT<br>-(Elbow)                                                                              |
| 298    | 220859  |     | LOCKNUT<br>-(Muffler and Elbow)                                                                  |
| 299    | 294441  |     | MUFFLER<br>-(Lo Tone)                                                                            |
| 300    | 89966   |     | MUFFLER                                                                                          |
| 303    | 91810   |     | ELBOW, Exhaust<br>-(45 Degree Street)                                                            |
| 304    | 294260  |     | HOUSING, Blower<br>-(Rewind Starter)                                                             |
| 305    | 93158   |     | SCREW<br>-(1/4-20 X 5/8)                                                                         |

### Footnotes:

Cables used on and after this serial number are molded into the coil



## Cylinder, Gears, Mufflers

| REF NO | PART NO | QTY | DESCRIPTION                                                                              |
|--------|---------|-----|------------------------------------------------------------------------------------------|
| 306    | 220478  |     | SHIELD, Cylinder                                                                         |
| 307    | 93042   |     | SCREW                                                                                    |
| 308    | 220581  |     | COVER, Cylinder Head                                                                     |
| 325    | 293959  |     | PULLEY, Rope Starter<br>-(1/2 Hole In Pulley)                                            |
| 330    | 29878   |     | ROPE, Starter                                                                            |
| 331    | 62577   |     | WASHER<br>-(1/2 Hole)                                                                    |
| 332    | 91708   |     | NUT<br>-(1/2-20 L.H. Thread)                                                             |
| 333A   | 298502  |     | ARMATURE, Magneto<br>-(Points And Condenser)<br>-Used After Code Date 6212310            |
| 333    | 291617  |     | ARMATURE, Magneto<br>-Used Before Code Date 6212310                                      |
| 334    | 93381   |     | SCREW                                                                                    |
| 335    | 93381   |     | SCREW                                                                                    |
| 336    | 292149  |     | CABLE, Ignition<br>-Used Before Code Date 6212310                                        |
| 337    | 29693   |     | PLUG, Spark                                                                              |
| 340    | 26018   |     | SPRING, Breaker Arm                                                                      |
| 341    | 93381   |     | SCREW                                                                                    |
| 342    | 65704   |     | PLUNGER, Breaker                                                                         |
| 344    | 93042   |     | SCREW                                                                                    |
| 345    | 220366  |     | COVER, Breaker                                                                           |
| 346    | 93014   |     | SCREW                                                                                    |
| 347    | 220884  |     | SWITCH, Stop                                                                             |
| 358    | 297275  |     | GASKET SET, Engine<br>-(Used with Rotary Choke Carburetors)                              |
| 363    | 19069   |     | PULLER, Flywheel                                                                         |
| 372    | 220477  |     | CLAMP                                                                                    |
| 373    | 92987   |     | STARTER, Rewind                                                                          |
| 374    | 92813   |     | WASHER                                                                                   |
| 375    | 294628  |     | BREAKER, Ignition                                                                        |
| 375    | 299061  |     | BREAKER, Ignition<br>-Includes: 294628 Point Set 65704 Plunger 61760 Key-Flywheel        |
| 377    | 93065   |     | KEY, Woodruff<br>-(#6)                                                                   |
| 516    | 260374  |     | SPRING, Condensor<br>-Included in 294628 Breaker Points and Condenser Set (Ref. No. 375) |
| 665    | 296768  |     | MINDER, Oil                                                                              |

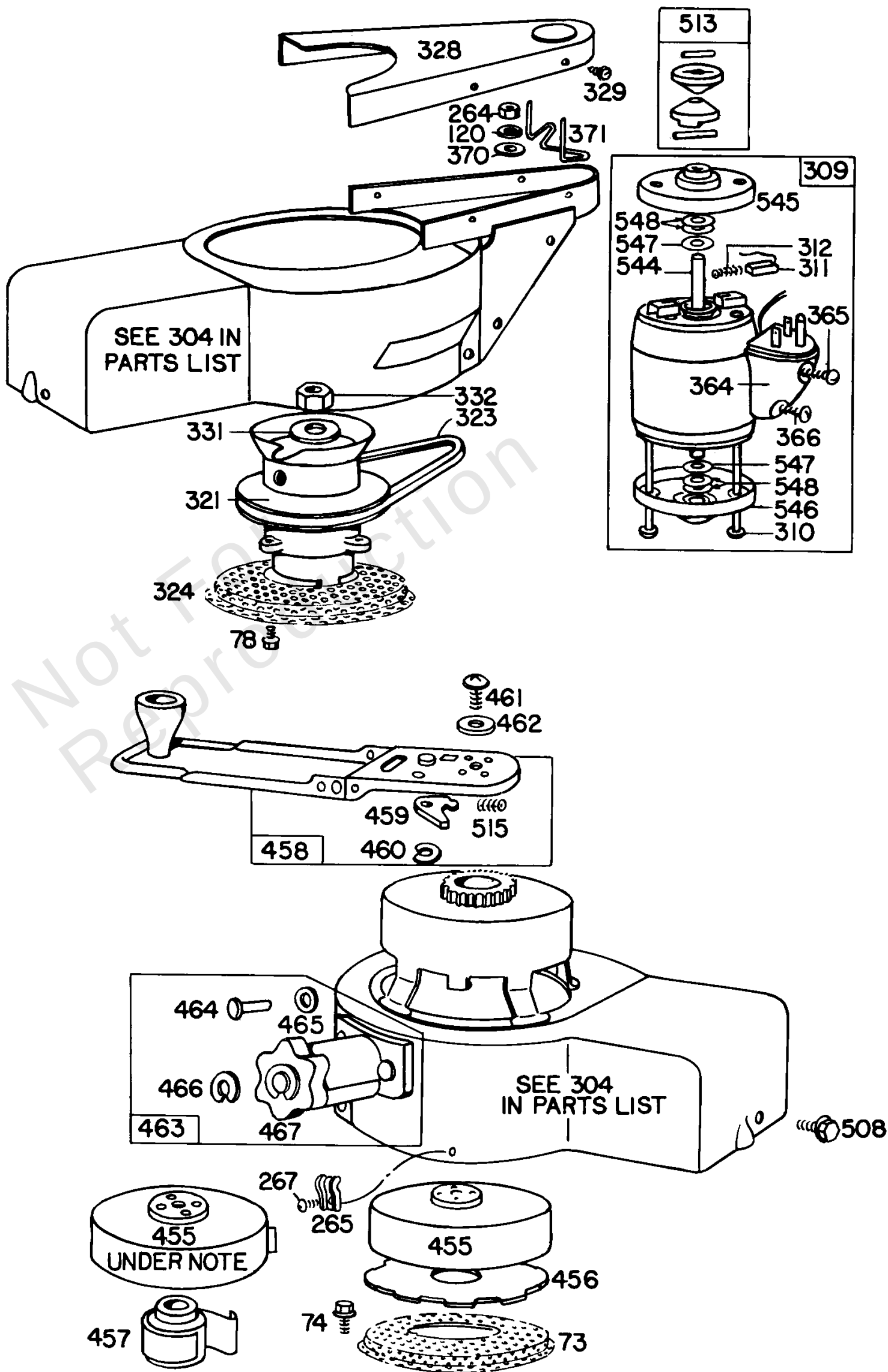
### Footnotes:

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*Replacement Engine - US & Canada*

| REF NO | PART NO    | QTY | DESCRIPTION                                                                                                        |
|--------|------------|-----|--------------------------------------------------------------------------------------------------------------------|
|        | 10T8020015 | 1   | Replacement Engine                                                                                                 |
|        | -----      |     | Service Note: Replacement engine listed is not available in the State of California. Repair with individual parts. |

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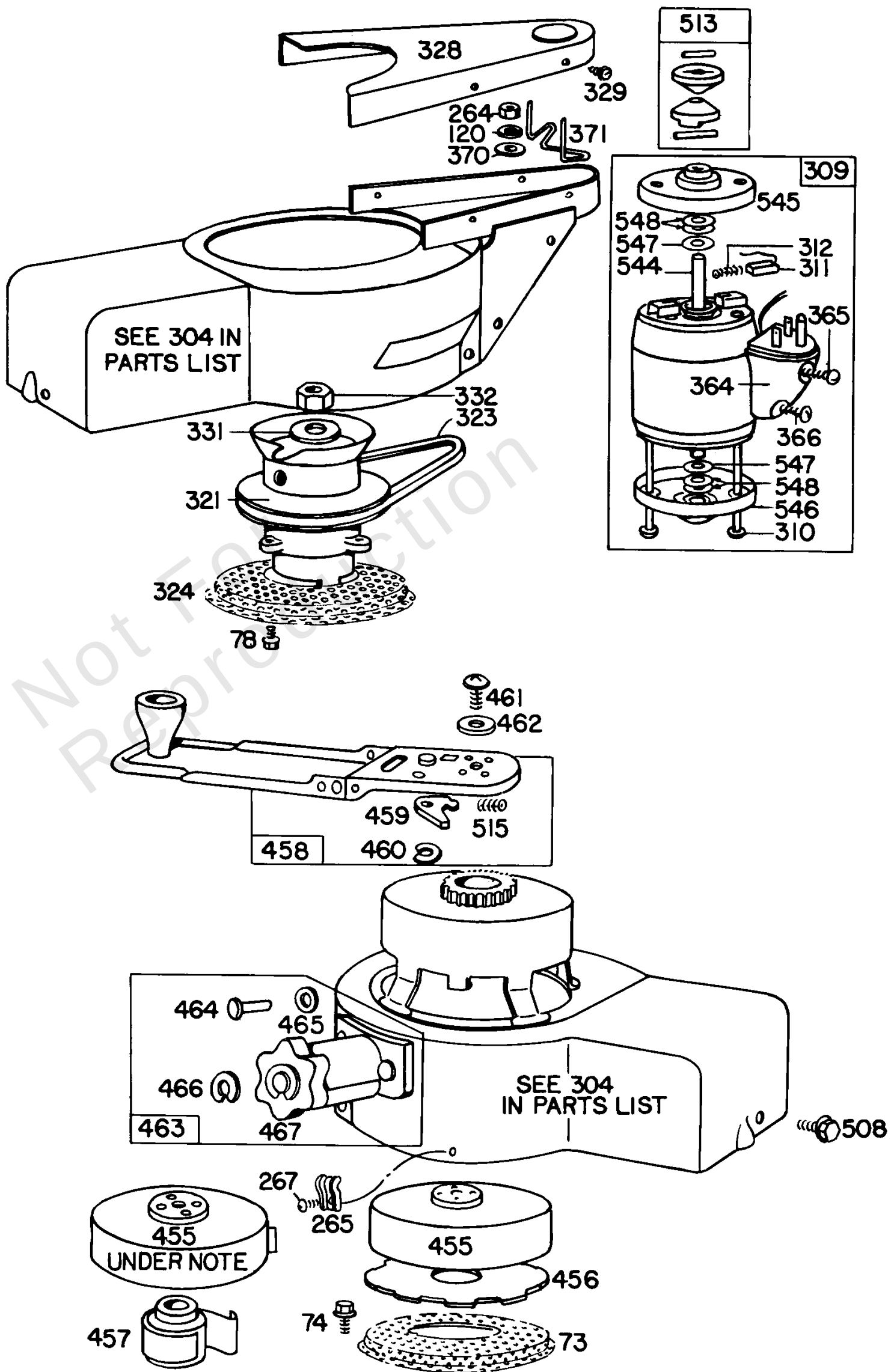


## Starter

| REF NO | PART NO | QTY | DESCRIPTION                                                                                                         |
|--------|---------|-----|---------------------------------------------------------------------------------------------------------------------|
| 73     | 220648  |     | SCREEN, Rotating<br>-Used Before Code Date 6405250                                                                  |
| 73     | 221661  |     | SCREEN, Rotating<br>-(Rewind Starter)<br>-Used After Code Date 6405220                                              |
| 74     | 93042   |     | SCREW                                                                                                               |
| 78     | 93014   |     | SCREW                                                                                                               |
| 120    | 92290   |     | WASHER                                                                                                              |
| 264    | 90355   |     | NUT, Hex                                                                                                            |
| 265    | 221407  |     | CLAMP, Casing                                                                                                       |
| 267    | 93351   |     | SCREW<br>-(Clamp Mounting)                                                                                          |
| 304    | 294260  |     | HOUSING, Blower<br>-(Rewind Starter)                                                                                |
| 309    | 295188  |     | MOTOR, Starter                                                                                                      |
| 310    | 93239   |     | BOLT<br>-(Starter Motor)                                                                                            |
| 311    | 295697  |     | SET, Brush                                                                                                          |
| 312    | 260404  |     | SPRING, Brush                                                                                                       |
| 321    | 210711  |     | PULLEY, Starter<br>-(Fits Crankshafts With 1/2-20 Thread) When ordering this pulley, order No. 67238 Vee Belt also. |
| 323    | 67028   |     | BELT, Vee<br>-Used Before Code Date 5903020                                                                         |
| 323    | 67238   |     | BELT, Vee                                                                                                           |
| 324    | 220648  |     | SCREEN, Rotating                                                                                                    |
| 328    | 221039  |     | GUARD, Belt                                                                                                         |
| 329    | 93014   |     | SCREW                                                                                                               |
| 331    | 62577   |     | WASHER<br>-(1/2 Hole)                                                                                               |
| 332    | 91708   |     | NUT<br>-(1/2-20 L.H. Thread)                                                                                        |
| 364    | 295698  |     | PLUG                                                                                                                |
| 365    | 93241   |     | SCREW<br>-(long) ()                                                                                                 |
| 366    | 93240   |     | SCREW<br>-(short)                                                                                                   |
| 371    | 260275  |     | GUARD, Belt                                                                                                         |
| 455    | 296327  |     | CUP, Flywheel<br>-Used on earlier model engines                                                                     |
| 455    | 296455  |     | CUP, Flywheel<br>-(With Pinned Spring)                                                                              |
| 456    | 221222  |     | PLATE, Retainer                                                                                                     |
| 457    | 296264  |     | SPRING, Rewind Starter<br>-Used on earlier model engines                                                            |
| 458    | 296251  |     | HANDLE, Cranking                                                                                                    |
| 459    | 221220  |     | PAWL, Ratchet<br>-(Double Acting) Used on earlier model engines                                                     |
| 459    | 221332  |     | PAWL, Ratchet                                                                                                       |
| 460    | 93272   |     | RETAINER, E Ring                                                                                                    |
| 461    | 93298   |     | SCREW                                                                                                               |
| 462    | 221237  |     | WASHER                                                                                                              |
| 463    | 296445  |     | HOUSING, Flywheel                                                                                                   |

### Footnotes:

Cables used on and after this serial number are molded into the coil



## ***Starter***

| REF NO | PART NO | QTY | DESCRIPTION                |
|--------|---------|-----|----------------------------|
| 464    | 93291   |     | RIVET<br>-(2)              |
| 465    | 221226  |     | WASHER                     |
| 466    | 93272   |     | RETAINER, E Ring           |
| 467    | 211017  |     | KNOB, Air Cleaner Cover    |
| 508    | 93294   |     | SCREW<br>-(5/8)            |
| 513    | 296567  |     | CLUTCH, Starter            |
| 515    | 260537  |     | SPRING, Ratchet            |
| 544    | 296769  |     | ARMATURE, Starter          |
| 545    | 296770  |     | CAP, Drive                 |
| 546    | 296775  |     | CAP, End                   |
| 547    | 270025  |     | WASHER<br>-(Fiber)         |
| 548    | 221381  |     | WASHER, Thrust<br>-(Steel) |

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### **Footnotes:**

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