



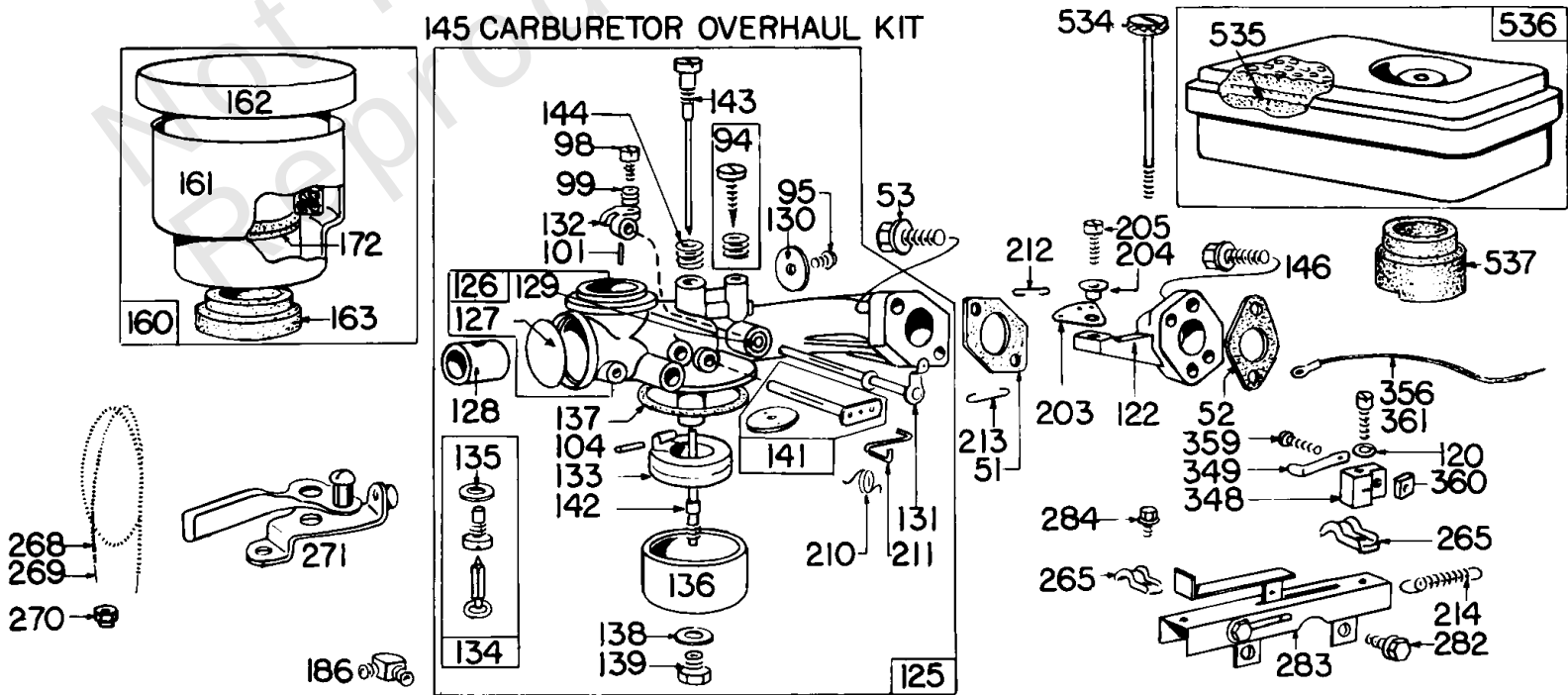
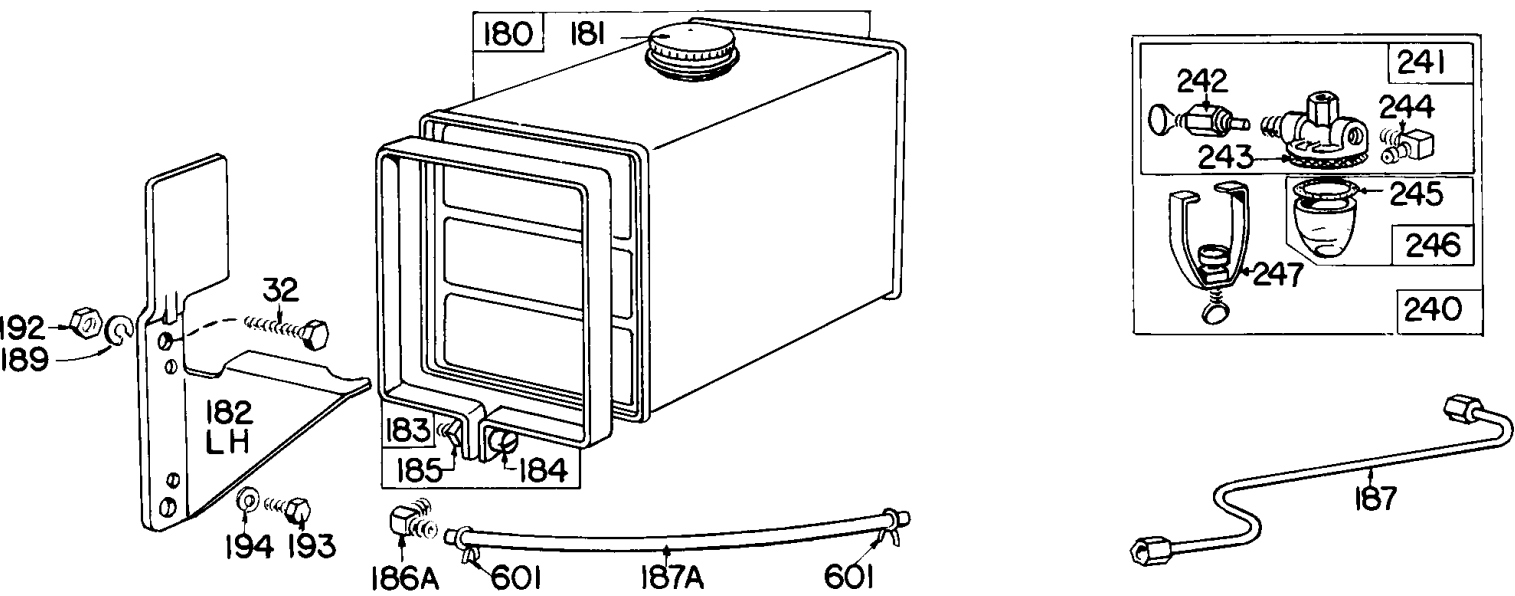
# Parts Manual

Mfg. No: 140702-5010-29



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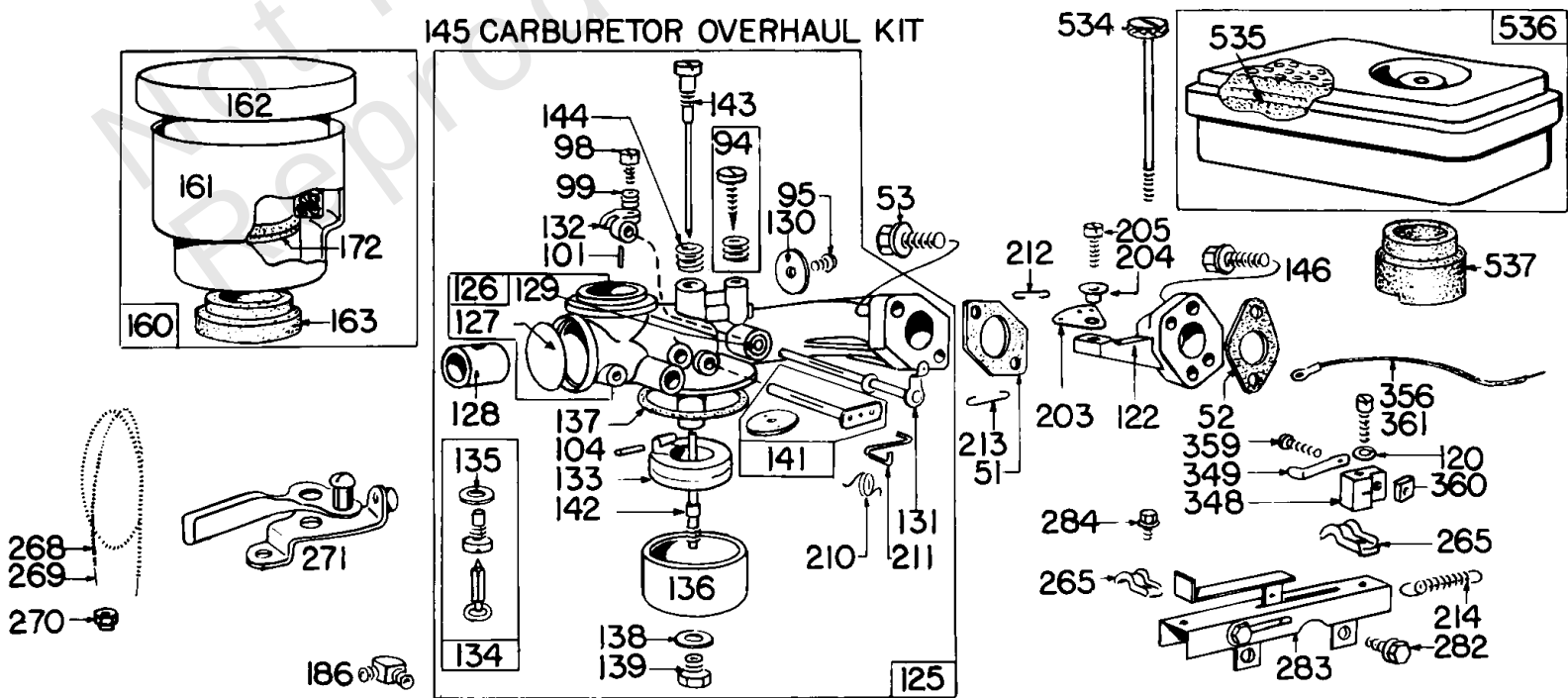
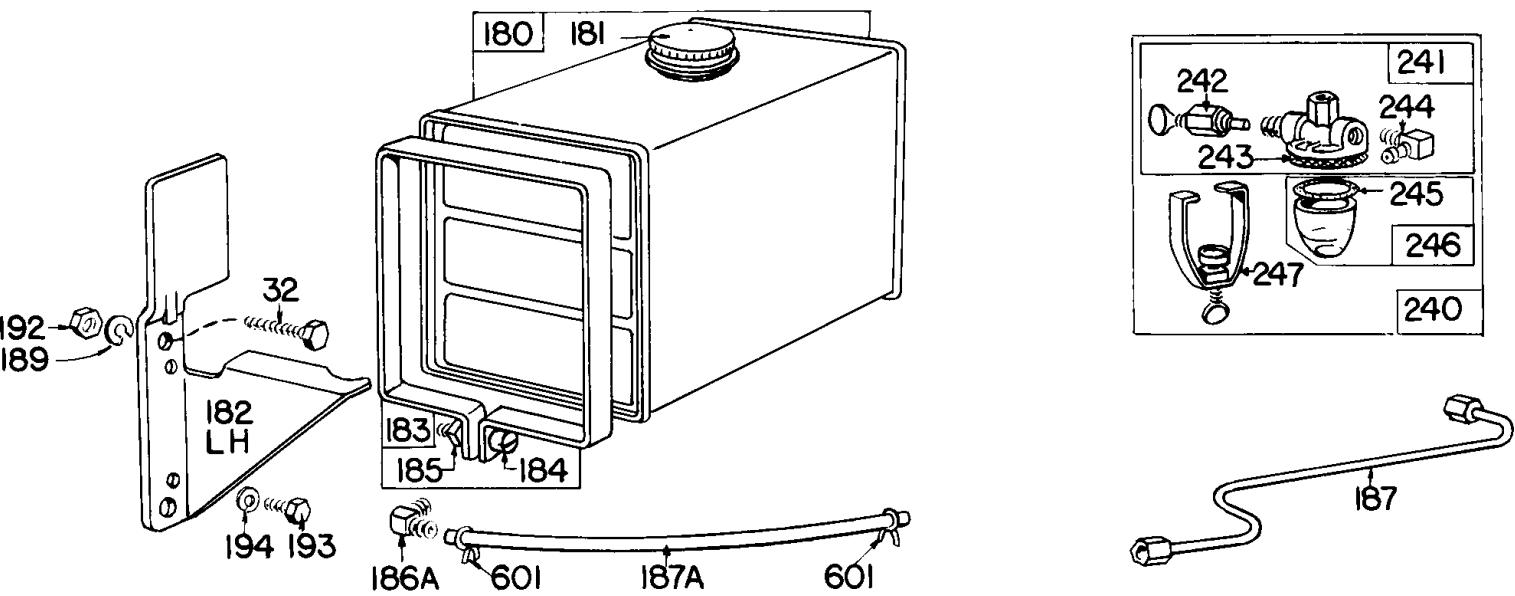


## Carb Assy,Fuel Tank, A/C

| REF NO | PART NO | QTY | DESCRIPTION                                                                 |
|--------|---------|-----|-----------------------------------------------------------------------------|
| 32     | 92659   |     | SCREW<br>-(Connecting Rod)                                                  |
| 51     | 27355   |     | GASKET, Intake<br>-(2) Included in Gasket Set-Part No. 295970               |
| 52     | 27828   |     | GASKET, Intake<br>-Included in Gasket Set-Part No. 295970                   |
| 53     | 93357   |     | SCREW                                                                       |
| 94     | 292681  |     | VALVE, Idle Mixture<br>-Included in Carburetor Overhaul Kit-Part No. 298951 |
| 95     | 93038   |     | SCREW<br>-(Throttle Valve)                                                  |
| 98     | 91920   |     | SCREW<br>-(8-32 X 5/8)                                                      |
| 99     | 26157   |     | SPRING, Compression                                                         |
| 101    | 93043   |     | PIN, Shaft                                                                  |
| 104    | 23114   |     | PIN, Float Hinge<br>-Included in Carburetor Overhaul Kit-Part No. 298951    |
| 120    | 92290   |     | WASHER                                                                      |
| 122    | 210596  |     | SPACER, Carburetor                                                          |
| 125    | 299403  |     | CARBURETOR<br>-(Choke-A-Matic)                                              |
| 126    | 294717  |     | BODY, Carburetor<br>-(Choke-A-Matic)                                        |
| 127    | 220751  |     | PLUG, Welch<br>-Included in Carburetor Overhaul Kit-Part No. 298951         |
| 128    | 211182  |     | VENTURI, Carburetor                                                         |
| 129    | 23230   |     | BUSHING, Throttle Shaft                                                     |
| 130    | 220791  |     | VALVE, Throttle                                                             |
| 131    | 294437  |     | SHAFT, Throttle                                                             |
| 132    | 61967   |     | STOP, Throttle                                                              |
| 133    | 293477  |     | FLOAT, Carburetor                                                           |
| 134    | 293478  |     | VALVE, Float Needle<br>-Included in Carburetor Overhaul Kit-Part No. 298951 |
| 135    | 68877   |     | GASKET, Valve Seat<br>-Included in Carburetor Overhaul Kit-Part No. 298951  |
| 136    | 220761  |     | BOWL, Float                                                                 |
| 137    | 27682   |     | GASKET, Float Bowl<br>-Included in Carburetor Overhaul Kit-Part No. 298951  |
| 138    | 221172  |     | WASHER<br>-(Float Bowl) Included in Carburetor Overhaul Kit-Part No. 298951 |
| 139    | 93086   |     | SCREW<br>-(Carburetor Bowl)                                                 |
| 141    | 297024  |     | KIT, Choke Shaft<br>-(Choke-A-Matic)                                        |
| 142    | 298947  |     | NOZZLE, Carburetor<br>-Included in Carburetor Overhaul Kit-Part No. 298951  |
| 143    | 294473  |     | VALVE, Float Needle<br>-Included in Carburetor Overhaul Kit-Part No. 298951 |
| 144    | 260256  |     | SPRING, Needle Valve                                                        |
| 145    | 298951  |     | KIT, Carburetor Overhaul                                                    |
| 146    | 93357   |     | SCREW                                                                       |
| 160    | 294872  |     | CLEANER, Air<br>-(With Mounting Stud)                                       |
| 161    | 293991  |     | CLEANER, Air                                                                |

### Footnotes:

where Cable is not molded into coil

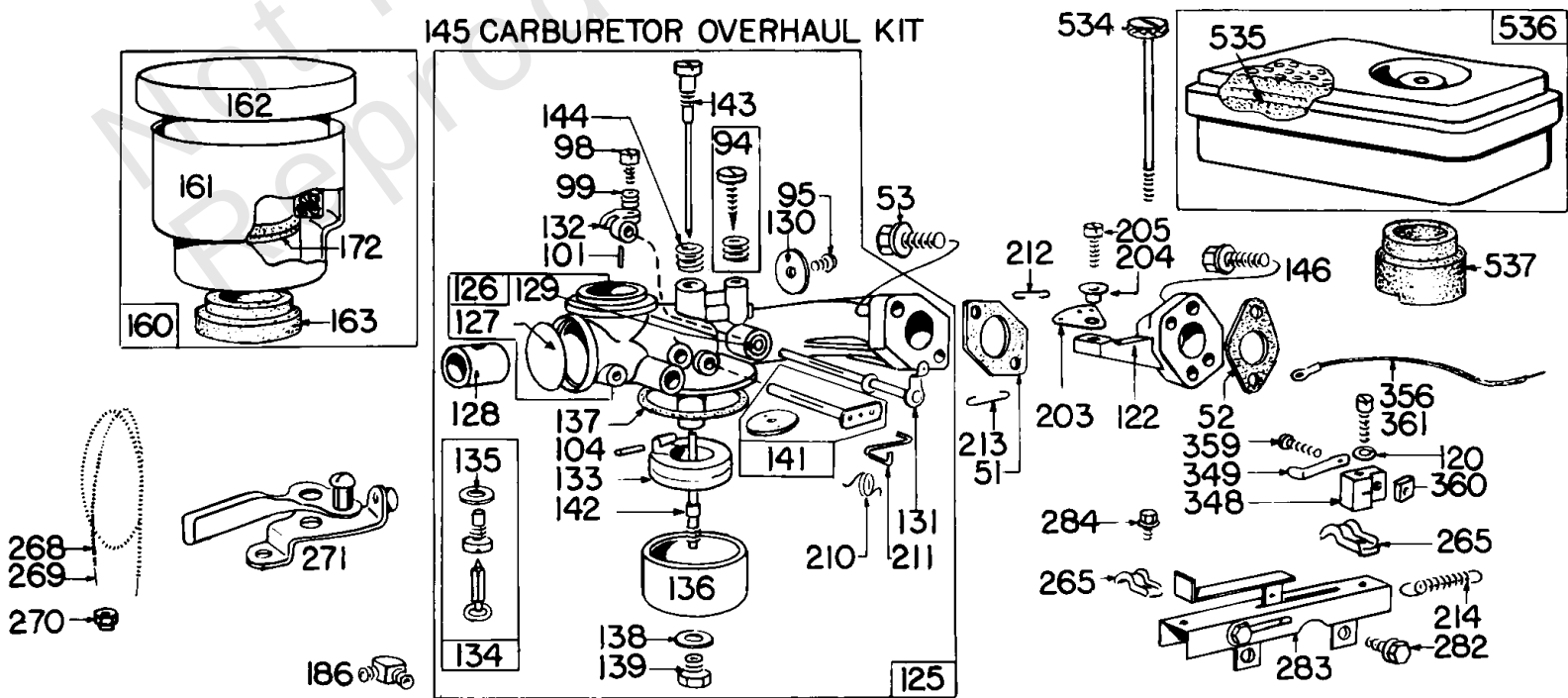
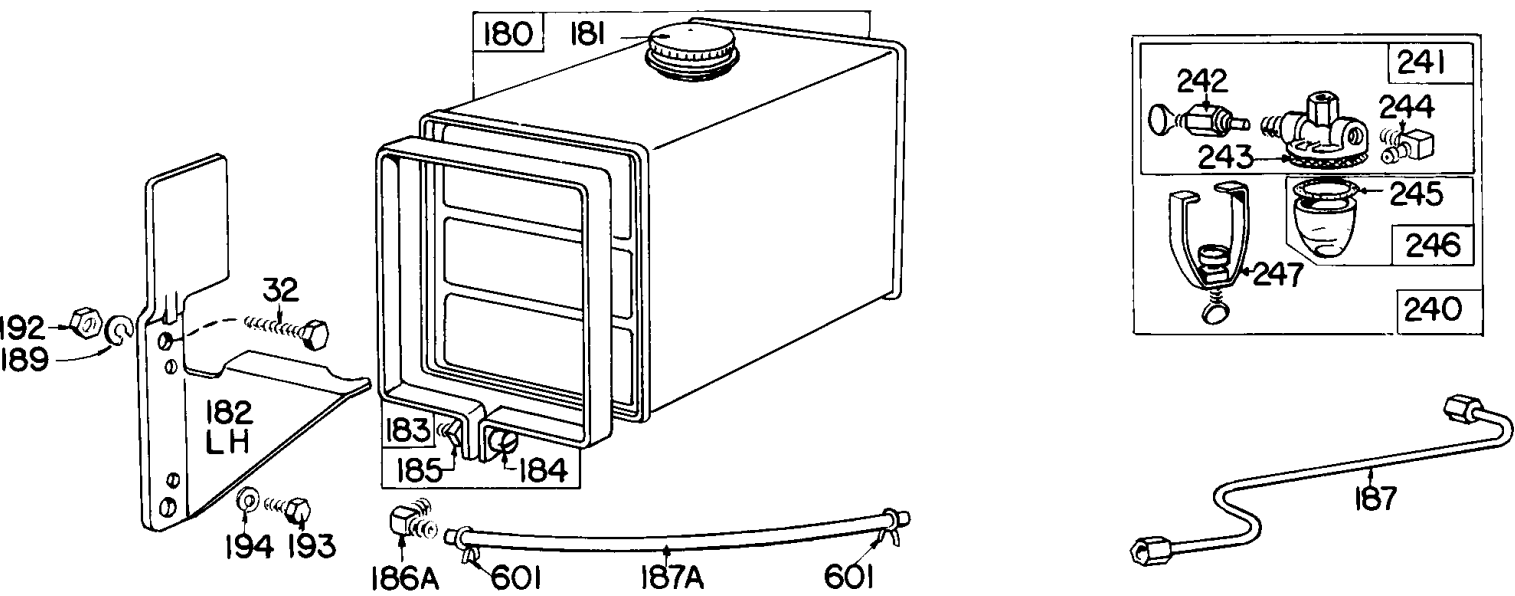


## Carb Assy,Fuel Tank, A/C

| REF NO | PART NO | QTY | DESCRIPTION                                                  |
|--------|---------|-----|--------------------------------------------------------------|
| 162    | 294802  |     | COVER, Air Cleaner<br>-(With Mounting Stud)                  |
| 163    | 27660   |     | GASKET, Air Cleaner                                          |
| 172    | 27795   |     | GASKET, Air Cleaner<br>-(Air Cleaner)                        |
| 181    | 69221   |     | CAP, Fuel Tank<br>-(1 3/4 O.D. Top)                          |
| 182    | 221087  |     | BRACKET, Fuel Tank<br>-(R.H.)                                |
| 182    | 221088  |     | BRACKET, Fuel Tank                                           |
| 183    | 291367  |     | STRAP, Fuel Tank<br>-(4 Quart)                               |
| 184    | 91257   |     | SCREW<br>-(1/4-20 X 1-1/2)                                   |
| 185    | 90970   |     | NUT<br>-(1/4-20)                                             |
| 186A   | 67218   |     | CONNECTOR, Hose                                              |
| 186    | 66111   |     | CONNECTOR, Hose<br>-(Metal Fuel Pipe)                        |
| 187A   | 296004  |     | LINE, Fuel<br>-(Cut To Required Length)                      |
| 189    | 90366   |     | WASHER                                                       |
| 192    | 91397   |     | NUT<br>-(5/16-18)                                            |
| 193    | 92272   |     | SCREW<br>-(5/16-18 X 3/4)                                    |
| 193    | 93136   |     | SCREW                                                        |
| 194    | 91808   |     | WASHER                                                       |
| 203    | 221052  |     | CRANK, Bell                                                  |
| 204    | 230117  |     | BUSHING, Governor Crank                                      |
| 205    | 92722   |     | SCREW<br>-(Bell Crank)                                       |
| 210    | 260136  |     | SPRING, Choke Return<br>-(Choke-A-Matic)                     |
| 211    | 260137  |     | LINK, Choke<br>-(Choke-A-Matic)                              |
| 212    | 26235   |     | LINK, Air Vane                                               |
| 213    | 260385  |     | LINK, Air Vane                                               |
| 214    | 260384  |     | SPRING, Governor                                             |
| 240    | 293964  |     | FILTER, Fuel                                                 |
| 241    | 293966  |     | COVER, Fuel Filter                                           |
| 242    | 295913  |     | VALVE, Fuel Shut Off                                         |
| 243    | 22547   |     | STRAINER, Fuel                                               |
| 244    | 63377   |     | CONNECTOR, Hose<br>-(Metal Fuel Pipe)                        |
| 245    | 68477   |     | GASKET, Fuel Bowl<br>-Included in Gasket Set-Part No. 295970 |
| 246    | 298683  |     | BOWL, Fuel Filter                                            |
| 247    | 99665   |     | YOKE, Bowl                                                   |
| 265    | 220796  |     | CLAMP, Casing                                                |
| 268    | 65616   |     | CASING, Control Wire<br>-(Cut To Required Length)            |

### Footnotes:

where Cable is not molded into coil

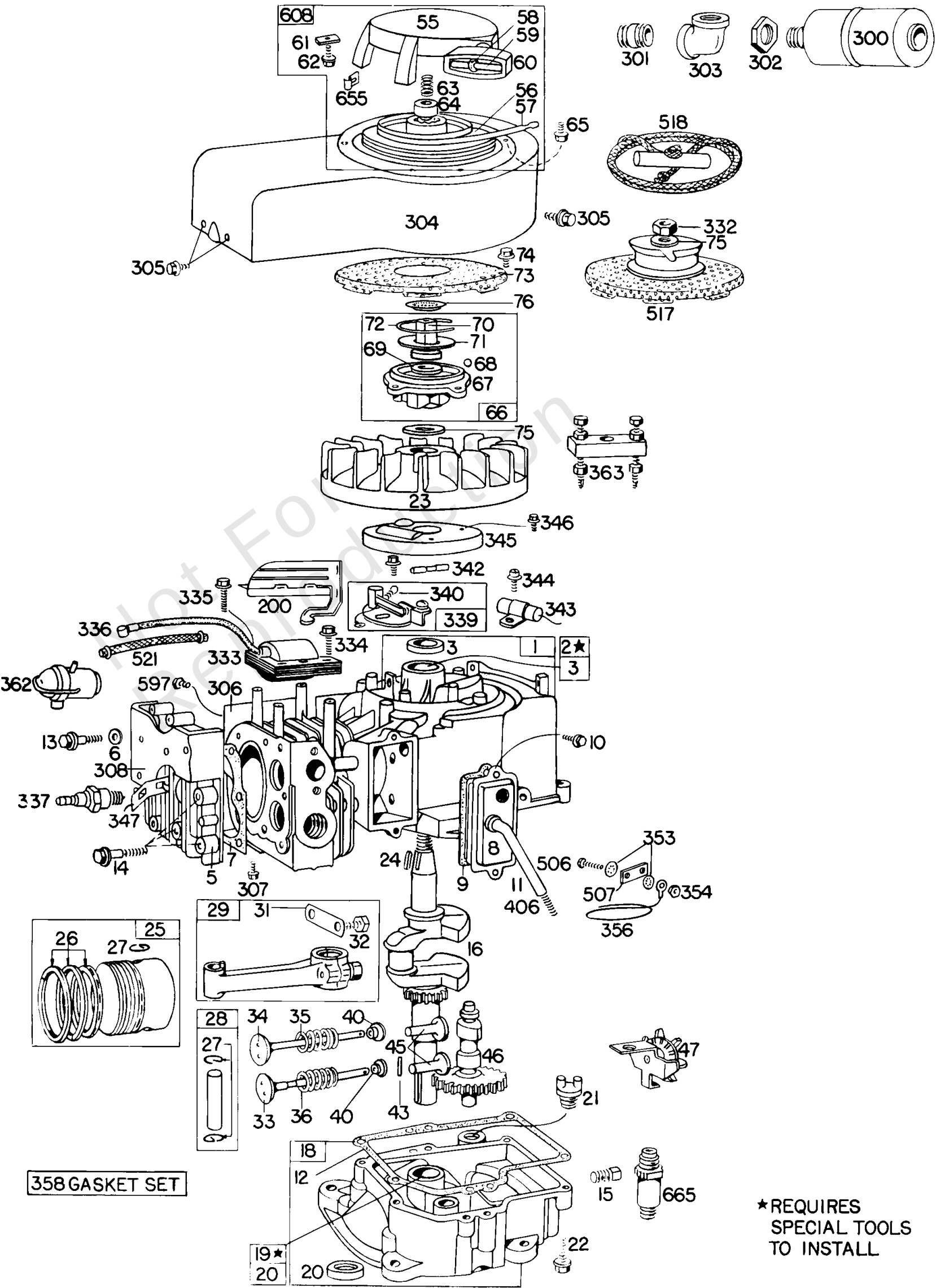


## Carb Assy,Fuel Tank, A/C

| REF NO | PART NO | QTY | DESCRIPTION                                                                                                                                                             |
|--------|---------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 269    | 26633   |     | WIRE, Control<br>-(Cut To Required Length) If longer wire is required, specify length in inches; if shorter wire is needed, order No. 26633 and cut to required length. |
| 270    | 63426   |     | NUT<br>-(Control Wire Casing)                                                                                                                                           |
| 271    | 290568  |     | LEVER, Control                                                                                                                                                          |
| 282    | 93106   |     | SCREW                                                                                                                                                                   |
| 283    | 294817  |     | CONTROL, Speed<br>-(Manual Choke)                                                                                                                                       |
| 284    | 93108   |     | SCREW                                                                                                                                                                   |
| 348    | 66898   |     | SWITCH, Stop                                                                                                                                                            |
| 349    | 220902  |     | SWITCH, Stop                                                                                                                                                            |
| 356    | 295413  |     | WIRE, Stop                                                                                                                                                              |
| 359    | 93149   |     | SCREW<br>-(5-40 X 3/8)                                                                                                                                                  |
| 360    | 93150   |     | NUT                                                                                                                                                                     |
| 361    | 91432   |     | SCREW<br>-(10-32 X 7/8)                                                                                                                                                 |
| 535    | 27987   |     | FILTER, Air Cleaner Foam                                                                                                                                                |
| 536    | 297036  |     | CLEANER, Air<br>-(Used with Pull Choke Carburetor-Ref. 90A)                                                                                                             |
| 537    | 27994   |     | GASKET, Air Cleaner<br>-(Air Cleaner)                                                                                                                                   |
| 601    | 93053   |     | CLAMP, Hose<br>-(Green)                                                                                                                                                 |

### Footnotes:

where Cable is not molded into coil

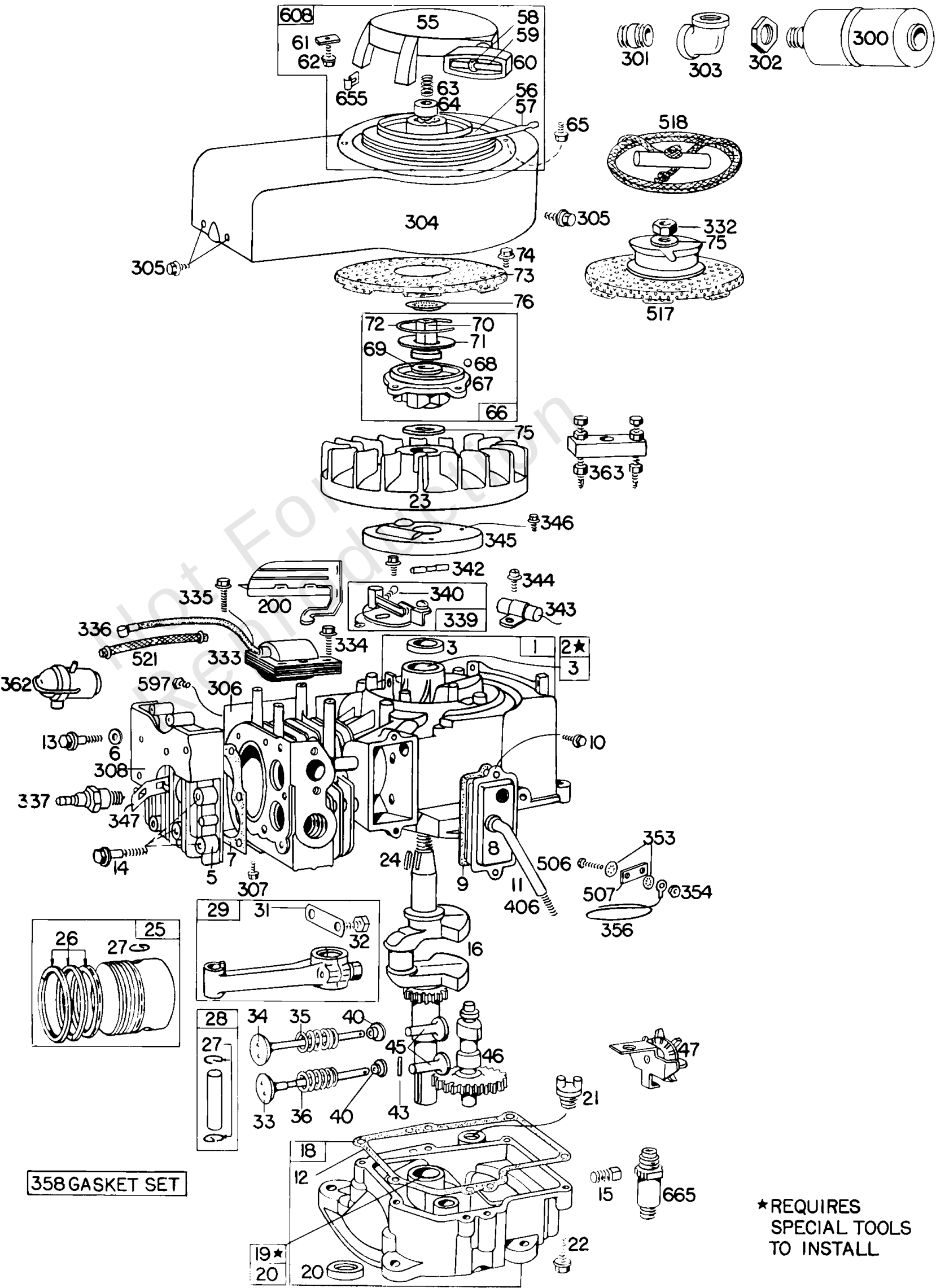


## *Cyl,Muffler,Piston,Sump,Rewind*

| REF NO | PART NO | QTY | DESCRIPTION                                                         |
|--------|---------|-----|---------------------------------------------------------------------|
| 2      | 295962  |     | KIT, Bushing/Seal                                                   |
| 3      | 294606  |     | SEAL, Oil                                                           |
| 5      | 210578  |     | HEAD, Cylinder                                                      |
| 6      | 22963   |     | WASHER                                                              |
| 7      | 270340  |     | GASKET, Cylinder Head<br>-Included in Gasket Set-Part No. 295970    |
| 8      | 294988  |     | BREATHER ASSEMBLY                                                   |
| 9      | 27803   |     | GASKET, Rocker Cover<br>-Included in Gasket Set-Part No. 295970     |
| 10     | 93394   |     | SCREW                                                               |
| 11     | 67158   |     | TUBE, Breather                                                      |
| 12     | 27750   |     | GASKET, Crankcase<br>-(1/64) Included in Gasket Set-Part No. 295970 |
| 12     | 27876   |     | GASKET, Crankcase<br>-(.005) Included in Gasket Set-Part No. 295970 |
| 12     | 27877   |     | GASKET, Crankcase<br>-(.009) Included in Gasket Set-Part No. 295970 |
| 13     | 93210   |     | SCREW<br>-(2-9/32)                                                  |
| 14     | 93211   |     | SCREW<br>-(5/16-18 X 2-21/32)                                       |
| 15     | 91084   |     | PLUG, Oil Drain<br>-(3/8)                                           |
| 19     | 295963  |     | KIT, Bushing/Seal                                                   |
| 21     | 66768   |     | PLUG, Oil                                                           |
| 24     | 61760   |     | KEY, Flywheel<br>-(Breaker Ignition)                                |
| 27     | 68546   |     | LOCK, Piston Pin                                                    |
| 28     | 295840  |     | PIN, Piston<br>-(Standard)                                          |
| 28     | 295841  |     | PIN, Piston<br>-(.005 Oversize)                                     |
| 29     | 295839  |     | ROD, Connecting                                                     |
| 31     | 220811  |     | LOCK, Rod Screw                                                     |
| 32     | 92659   |     | SCREW<br>-(Connecting Rod)                                          |
| 34     | 230386  |     | VALVE, Intake<br>-(With Hole In Stem)                               |
| 35     | 65906   |     | SPRING, Valve<br>-(Intake)                                          |
| 36     | 65906   |     | SPRING, Valve<br>-(Intake)                                          |
| 40     | 230477  |     | RETAINER, Valve                                                     |
| 43     | 230476  |     | PIN, Retainer                                                       |
| 43     | 230570  |     | PIN, Retainer                                                       |
| 46     | 210728  |     | CAMSHAFT                                                            |
| 47     | 295063  |     | SLINGER, Governor/Oil                                               |
| 55     | 295272  |     | HOUSING, Rewind Starter<br>-(Casting) (Metal Pulley)                |
| 56     | 295871  |     | PULLEY, Starter<br>-(63 Rope)                                       |
| 57     | 294303  |     | SPRING, Rewind Starter                                              |

### Footnotes:

where Cable is not molded into coil

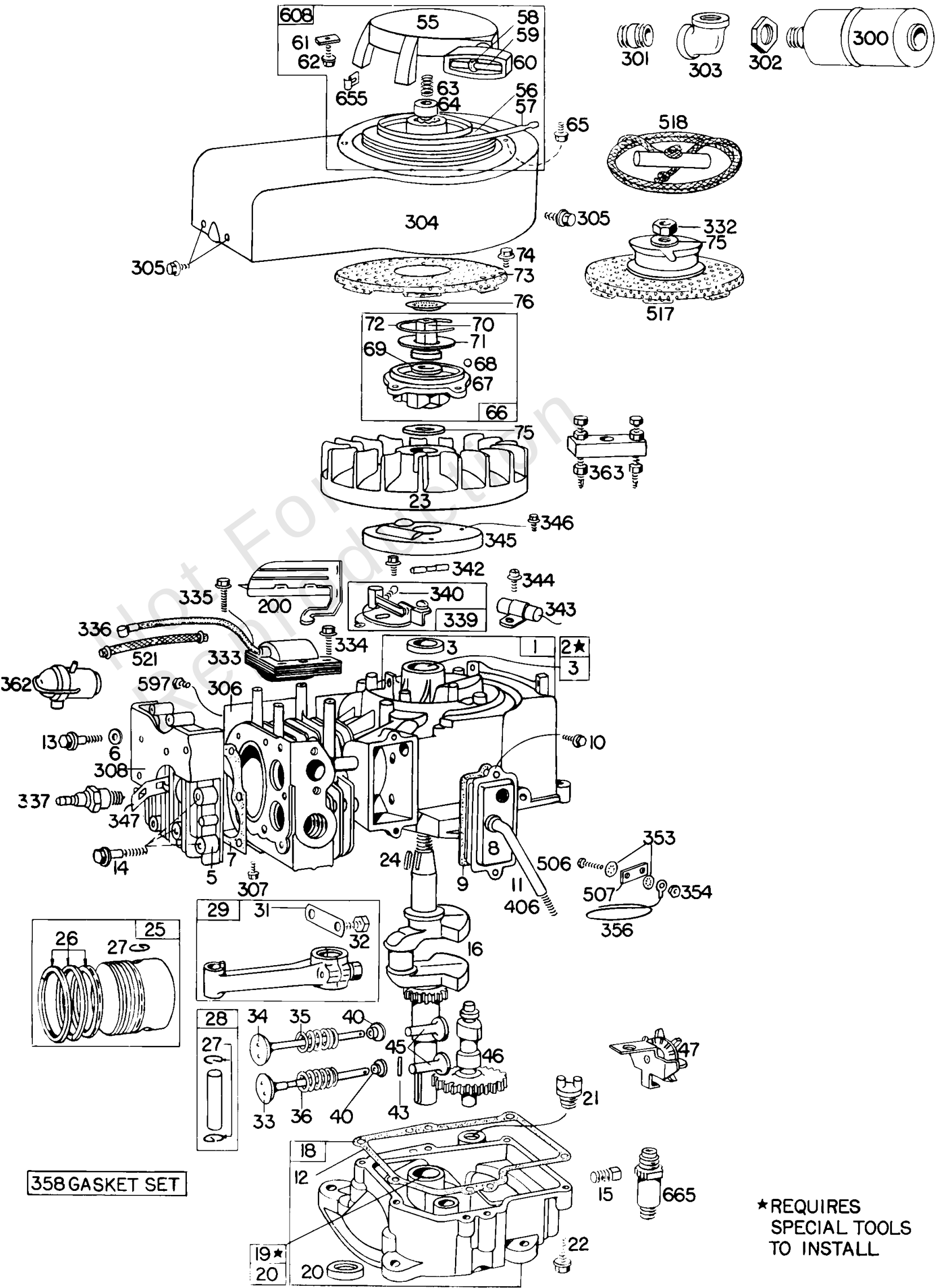


## *Cyl,Muffler,Piston,Sump,Rewind*

| REF NO | PART NO | QTY | DESCRIPTION                                                                                             |
|--------|---------|-----|---------------------------------------------------------------------------------------------------------|
| 58     | 66564   |     | ROPE, Starter<br>-(63 Rope) If longer rope is needed order No. 66574 and cut to required length.        |
| 59     | 230228  |     | PIN, Starter Grip                                                                                       |
| 60     | 66728   |     | GRIP, Starter Rope                                                                                      |
| 61     | 66918   |     | BUMPER, Starter Pulley                                                                                  |
| 62     | 93254   |     | SCREW<br>-(Pulley)                                                                                      |
| 64     | 230543  |     | ADAPTER, Ratchet Spring                                                                                 |
| 65     | 93163   |     | SCREW                                                                                                   |
| 66     | 295684  |     | CLUTCH, Starter<br>-(Rewind Starter)                                                                    |
| 67     | 210400  |     | HOUSING, Clutch                                                                                         |
| 68     | 63770   |     | BALL, Clutch                                                                                            |
| 69     | 66718   |     | WASHER<br>-(1-1/16 O.D. X 17/32 I.D.) (1 1/16 O.D. X 17/32 I.D.)                                        |
| 70     | 296916  |     | RATCHET, Clutch                                                                                         |
| 71     | 220575  |     | WASHER                                                                                                  |
| 71     | 221301  |     | WASHER                                                                                                  |
| 71     | 66738   |     | WASHER, Sealing<br>-Used in clutches with 7 point shank ratchet. (Used only with 7 point shank ratchet) |
| 72     | 26032   |     | RETAINER                                                                                                |
| 73     | 220823  |     | SCREEN, Rotating                                                                                        |
| 74     | 93042   |     | SCREW                                                                                                   |
| 75     | 220865  |     | WASHER<br>-(Heavy Flywheel)                                                                             |
| 76     | 66738   |     | WASHER, Sealing<br>-Used with 7 point ratchet. (Used only with 7 point shank ratchet)                   |
| 200    | 295844  |     | BLADE, Governor                                                                                         |
| 300    | 294599  |     | MUFFLER                                                                                                 |
| 301    | 91245   |     | ELBOW, Exhaust                                                                                          |
| 302    | 91242   |     | LOCKNUT<br>-(Muffler and Elbow)                                                                         |
| 303    | 91205   |     | ELBOW, Exhaust<br>-(90 Degree)                                                                          |
| 304    | 295389  |     | HOUSING, Blower                                                                                         |
| 305    | 93158   |     | SCREW<br>-(1/4-20 X 5/8)                                                                                |
| 306    | 221005  |     | SHIELD, Cylinder                                                                                        |
| 307    | 93163   |     | SCREW                                                                                                   |
| 308    | 220824  |     | SWITCH, Stop                                                                                            |
| 332    | 92284   |     | NUT<br>-(Flywheel)                                                                                      |
| 333    | 296834  |     | ARMATURE, Magneto                                                                                       |
| 334    | 93381   |     | SCREW                                                                                                   |
| 335    | 93381   |     | SCREW                                                                                                   |
| 336    | 294735  |     | CABLE, Ignition<br>-Used Before Code Date 14677                                                         |
| 337    | 29693   |     | PLUG, Spark                                                                                             |
| 339    | 29667   |     | BREAKER, Ignition                                                                                       |
| 340    | 26018   |     | SPRING, Breaker Arm                                                                                     |
| 342    | 65704   |     | PLUNGER, Breaker                                                                                        |

### Footnotes:

where Cable is not molded into coil

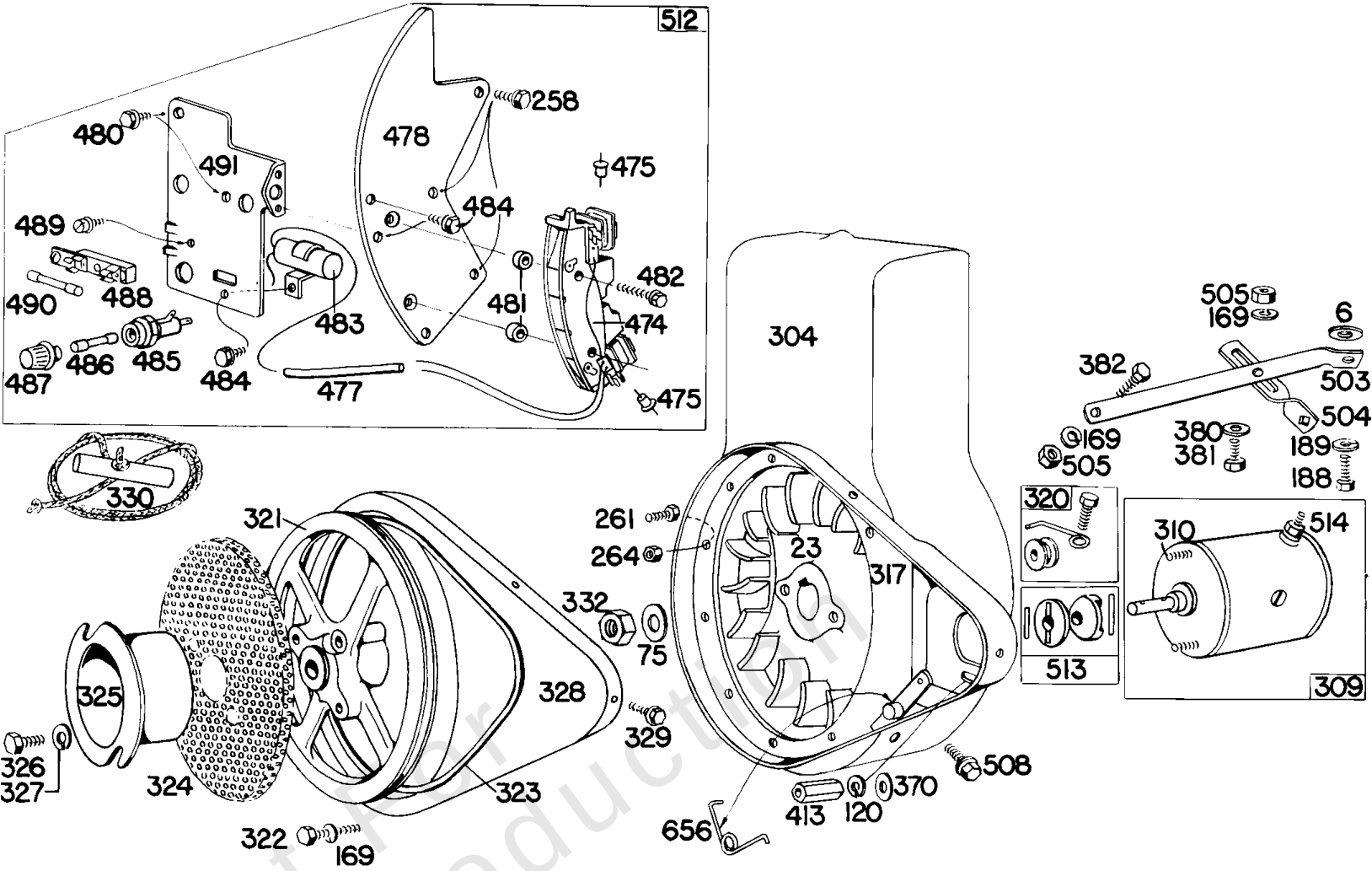


## *Cyl,Muffler,Piston,Sump,Rewind*

| REF NO | PART NO | QTY | DESCRIPTION                               |
|--------|---------|-----|-------------------------------------------|
| 343    | 29861   |     | CONDENSER                                 |
| 344    | 93370   |     | SCREW<br>-(Condenser)                     |
| 345    | 221046  |     | COVER, Breaker                            |
| 346    | 93014   |     | SCREW                                     |
| 347    | 221808  |     | SWITCH, Stop                              |
| 354    | 90576   |     | NUT<br>-(Ground Terminal)                 |
| 356    | 295413  |     | WIRE, Stop                                |
| 358    | 295970  |     | GASKET SET, Engine                        |
| 362    | 291630  |     | SHIELD, Spark Plug<br>-(With Stop Switch) |
| 363    | 19165   |     | PULLER, Flywheel                          |
| 406    | 260386  |     | SPRING, Breather Tube                     |
| 506    | 90072   |     | SCREW<br>-(8-32 X 5/8)                    |
| 507    | 66895   |     | INSULATOR                                 |
| 517    | 295423  |     | PULLEY, Rope Starter                      |
| 518    | 69932   |     | GRIP, Starter Rope                        |
| 521    | 298529  |     | SHIELD, Protective                        |
| 597    | 93258   |     | SCREW                                     |
| 608    | 295001  |     | STARTER, Rewind                           |
| 655    | 221014  |     | ANCHOR, Rewind Spring                     |
| 665    | 296768  |     | MINDER, Oil                               |

### Footnotes:

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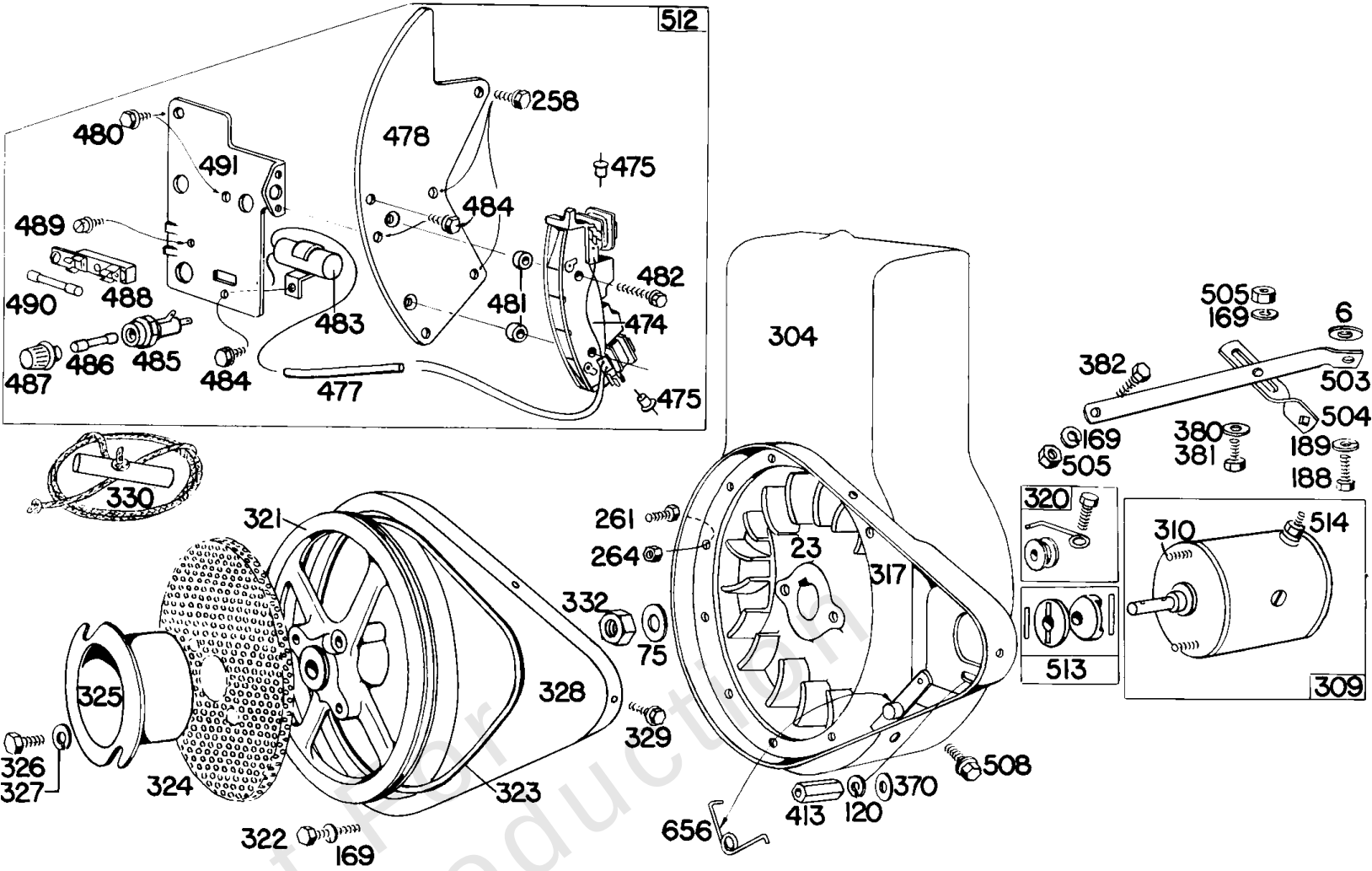


## Electric Starter, Rewind

| REF NO | PART NO | QTY | DESCRIPTION                                                                                                     |
|--------|---------|-----|-----------------------------------------------------------------------------------------------------------------|
| 6      | 22963   |     | WASHER                                                                                                          |
| 75     | 220865  |     | WASHER<br>-(Heavy Flywheel)                                                                                     |
| 120    | 92290   |     | WASHER                                                                                                          |
| 169    | 90832   |     | SCREW<br>-(Blower Housing)                                                                                      |
| 189    | 90366   |     | WASHER                                                                                                          |
| 258    | 93062   |     | SCREW                                                                                                           |
| 261    | 93105   |     | SCREW                                                                                                           |
| 264    | 90355   |     | NUT, Hex                                                                                                        |
| 304    | 295389  |     | HOUSING, Blower                                                                                                 |
| 309    | 296122  |     | MOTOR, Starter<br>-(12 Volt) For service on these motors see your nearest Authorized Auto-Lite Service Station. |
| 310    | 93268   |     | BOLT<br>-(Starter Motor)                                                                                        |
| 317    | 296013  |     | BRACKET, Starter Motor                                                                                          |
| 320    | 297162  |     | GEAR, Idler                                                                                                     |
| 321    | 210961  |     | PULLEY, Starter                                                                                                 |
| 322    | 90931   |     | SCREW                                                                                                           |
| 323    | 67318   |     | BELT, Vee                                                                                                       |
| 324    | 221067  |     | SCREEN, Rotating                                                                                                |
| 325    | 221400  |     | PULLEY, Rope Starter                                                                                            |
| 326    | 92272   |     | SCREW<br>-(5/16-18 X 3/4)                                                                                       |
| 327    | 91388   |     | WASHER<br>-(5/16 X 3/32 X 5/64)                                                                                 |
| 328    | 221122  |     | GUARD, Belt                                                                                                     |
| 329    | 93246   |     | SCREW<br>-(Belt Guard)                                                                                          |
| 330    | 29878   |     | ROPE, Starter                                                                                                   |
| 332    | 92284   |     | NUT<br>-(Flywheel)                                                                                              |
| 370    | 66432   |     | WASHER                                                                                                          |
| 380    | 62199   |     | WASHER                                                                                                          |
| 381    | 91419   |     | SCREW                                                                                                           |
| 382    | 92666   |     | SCREW<br>-(1/4-20 X 1/2)                                                                                        |
| 413    | 230581  |     | NUT<br>-(Starter)                                                                                               |
| 474    | 296436  |     | ALTERNATOR                                                                                                      |
| 475    | 296562  |     | RECTIFIER                                                                                                       |
| 477    | 67538   |     | COVER, Wire                                                                                                     |
| 478    | 296367  |     | BRACKET, Mounting                                                                                               |
| 480    | 93163   |     | SCREW                                                                                                           |
| 481    | 230582  |     | SPACER<br>-(Armature)                                                                                           |
| 482    | 93234   |     | SCREW<br>-(Armature)                                                                                            |
| 483    | 296266  |     | CAPACITOR<br>-(Condenser)                                                                                       |
| 484    | 93166   |     | SCREW                                                                                                           |

### Footnotes:

where Cable is not molded into coil



## *Electric Starter, Rewind*

| REF NO | PART NO | QTY | DESCRIPTION                  |
|--------|---------|-----|------------------------------|
| 485    | 296437  |     | HOLDER, Fuse                 |
| 486    | 67135   |     | FUSE<br>-(1 1/2 Amp)         |
| 487    | 296347  |     | HOLDER, Fuse                 |
| 488    | 296579  |     | BRACKET, Fuse                |
| 489    | 93237   |     | SCREW<br>-(Fuse Block)       |
| 490    | 67125   |     | FUSE<br>-(7 1/2 Amp)         |
| 491    | 221241  |     | BRACKET, Support             |
| 503    | 221205  |     | STRAP, Starter<br>-(long) () |
| 504    | 221206  |     | STRAP, Starter<br>-(short)   |
| 505    | 92278   |     | NUT<br>-(Starting Switch)    |
| 508    | 93294   |     | SCREW<br>-(5/8)              |
| 512    | 296560  |     | ARMATURE, Magneto            |
| 513    | 296567  |     | CLUTCH, Starter              |
| 514    | 91700   |     | NUT                          |
| 656    | 260672  |     | SPRING, Torsion              |

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### Footnotes:

where Cable is not molded into coil

*Replacement Engine - US & Canada*

| REF NO | PART NO    | QTY | DESCRIPTION        |
|--------|------------|-----|--------------------|
|        | 2179024020 | 1   | Replacement Engine |

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