



# Parts Manual

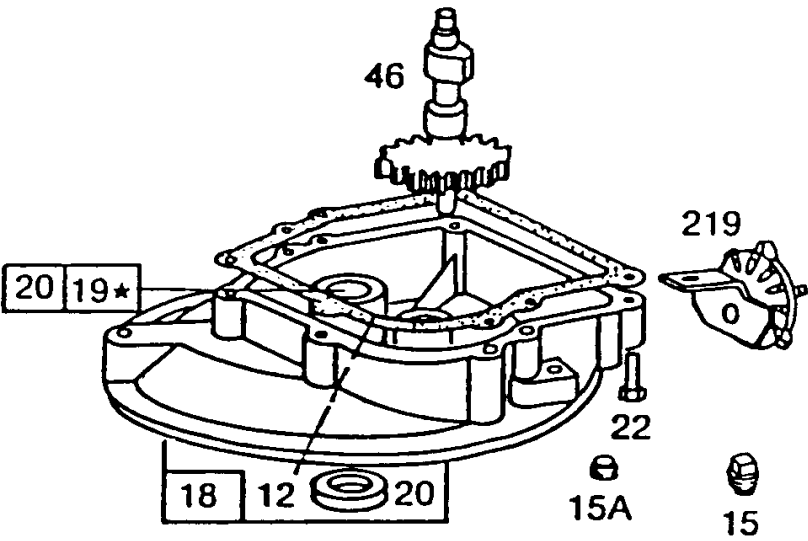
Mfg. No: 114902-0131-01



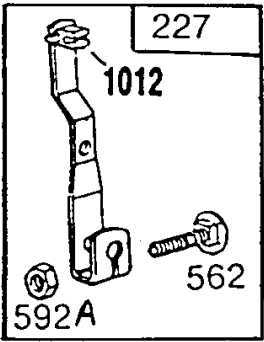
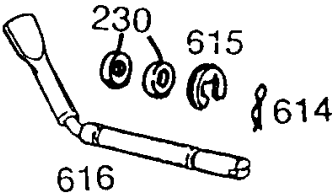
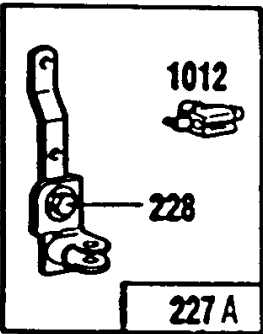
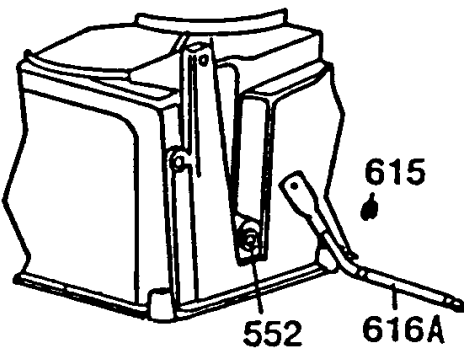
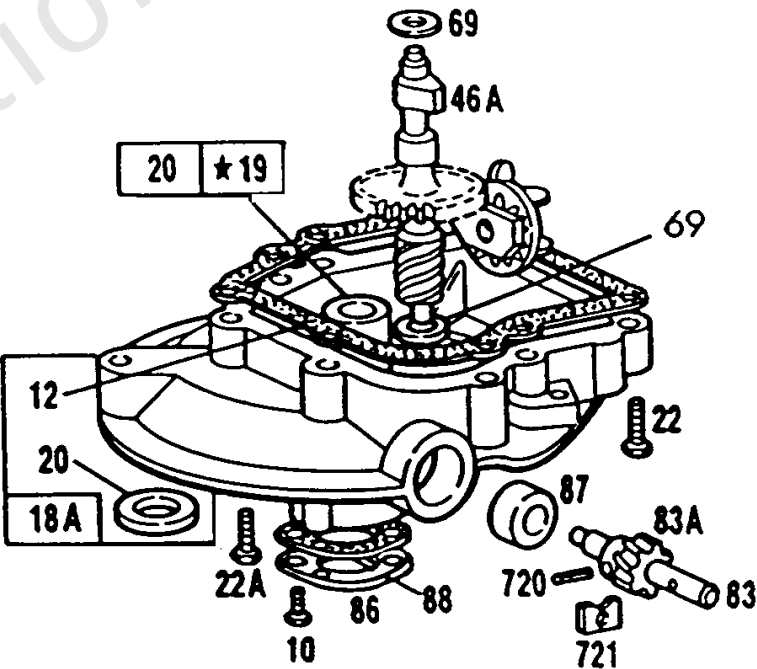
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Sump assemblies illustrated on this page DO NOT include an oil filler opening.



\*SPECIAL TOOLS REQUIRED TO INSTALL.  
SEE REPAIR INSTRUCTION MANUAL.



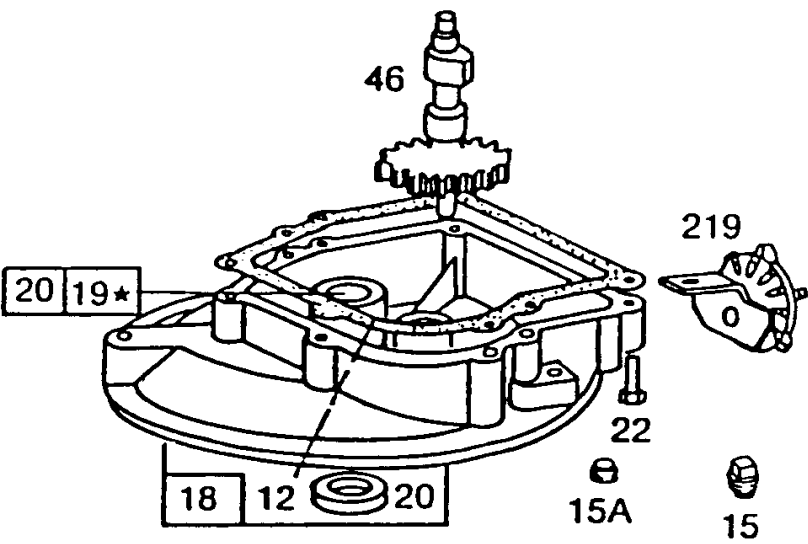
## (2)SumpBases, Governor Levers

| REF NO | PART NO | QTY | DESCRIPTION                                                                                                                              |
|--------|---------|-----|------------------------------------------------------------------------------------------------------------------------------------------|
| 10     | 93394   |     | SCREW                                                                                                                                    |
| 12     | 270833  |     | GASKET, Crankcase<br>-(.015) Included in Gasket Set-Part No. 391662                                                                      |
| 12     | 270895  |     | GASKET, Crankcase<br>-(.005) Included in Gasket Set-Part No. 391662                                                                      |
| 12     | 270896  |     | GASKET, Crankcase<br>-(.009)                                                                                                             |
| 15A    | 93418   |     | PLUG, Oil Drain<br>-(Flush)                                                                                                              |
| 15     | 91084   |     | PLUG, Oil Drain<br>-(3/8)                                                                                                                |
| 18     | 395384  |     | SUMP, Engine                                                                                                                             |
| 19     | 293709  |     | KIT, Bushing/Seal<br>-(PTO Side)                                                                                                         |
| 20     | 391483  |     | SEAL, Oil<br>-(PTO Side)                                                                                                                 |
| 22     | 93032   |     | SCREW<br>-(Fuel Tank) (Tank)                                                                                                             |
| 46A    | 396052  |     | CAMSHAFT<br>-(Clockwise)                                                                                                                 |
| 46     | 395856  |     | CAMSHAFT                                                                                                                                 |
| 69     | 66874   |     | WASHER, Thrust<br>-(11/16 O.D. X 15/32 I.D.)                                                                                             |
| 69     | 68938   |     | WASHER<br>-Used on Auxiliary Drive P.T.O. Camshaft and is located next to the Worm Gear.<br>(13/16 ODx17/32 ID) Use on Aux Drive PTO.Cam |
| 83A    | 231278  |     | GEAR, Drive<br>-(Clockwise)                                                                                                              |
| 83     | 230831  |     | SHAFT, Auxiliary Drive                                                                                                                   |
| 86     | 221780  |     | COVER, Drive Gear                                                                                                                        |
| 87     | 391484  |     | SEAL, Oil<br>-(1/2 Auxiliary Drive Shaft)                                                                                                |
| 88     | 270328  |     | GASKET, Drive Gear Cover                                                                                                                 |
| 219    | 394044  |     | GEAR, Governor                                                                                                                           |
| 227A   | 491481  |     | LEVER, Governor Control<br>-Used Before Code Date 88011100                                                                               |
| 227    | 491482  |     | LEVER, Governor Control<br>-Used After Code Date 88011000                                                                                |
| 228    | 93758   |     | SCREW<br>-(Rotating Screen)                                                                                                              |
| 230    | 220680  |     | WASHER                                                                                                                                   |
| 552    | 230732  |     | BUSHING, Governor Crank<br>-(3/16 I.D.)                                                                                                  |
| 562    | 92613   |     | BOLT<br>-(Governor Lever)                                                                                                                |
| 592A   | 231082  |     | NUT<br>-(Governor Control)                                                                                                               |
| 614    | 93306   |     | PIN, Cotter                                                                                                                              |
| 615    | 93307   |     | RETAINER, Governor Shaft                                                                                                                 |
| 616A   | 394075  |     | CRANK, Governor<br>-(Mechanical Governor)<br>-Used Before Code Date 88011100                                                             |
| 616    | 491405  |     | CRANK, Governor<br>-Used After Code Date 88011000                                                                                        |
| 720    | 93474   |     | PIN, Shaft                                                                                                                               |

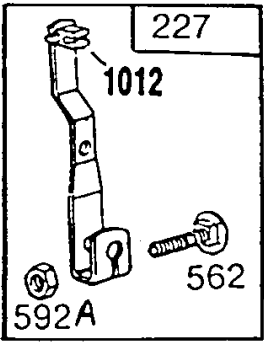
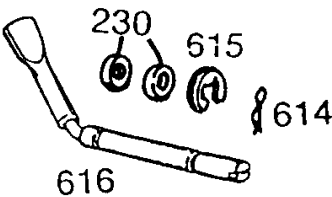
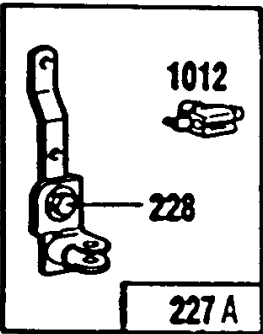
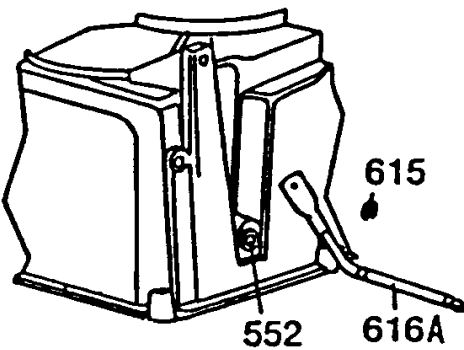
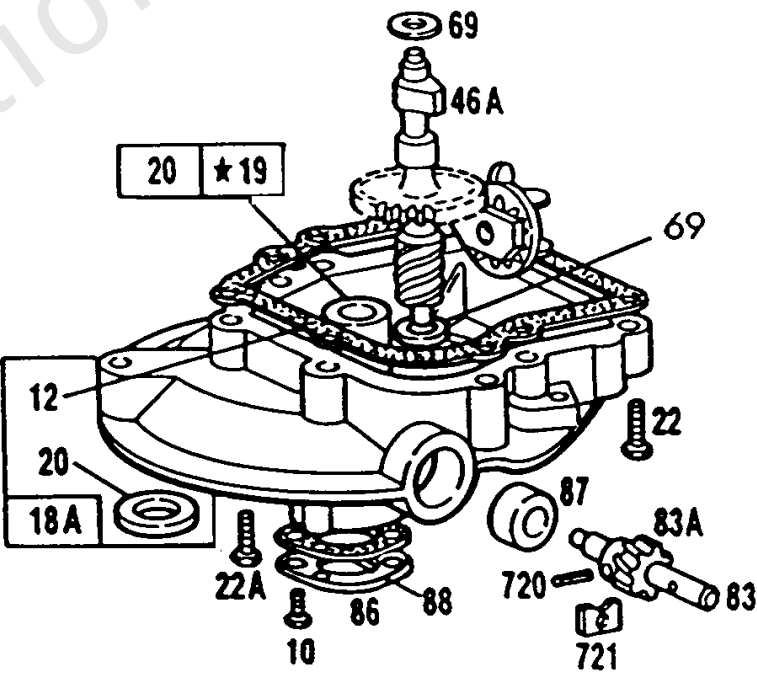
### Footnotes:

AssocPart: 0000000393411

Sump assemblies illustrated on this page DO NOT include an oil filler opening.



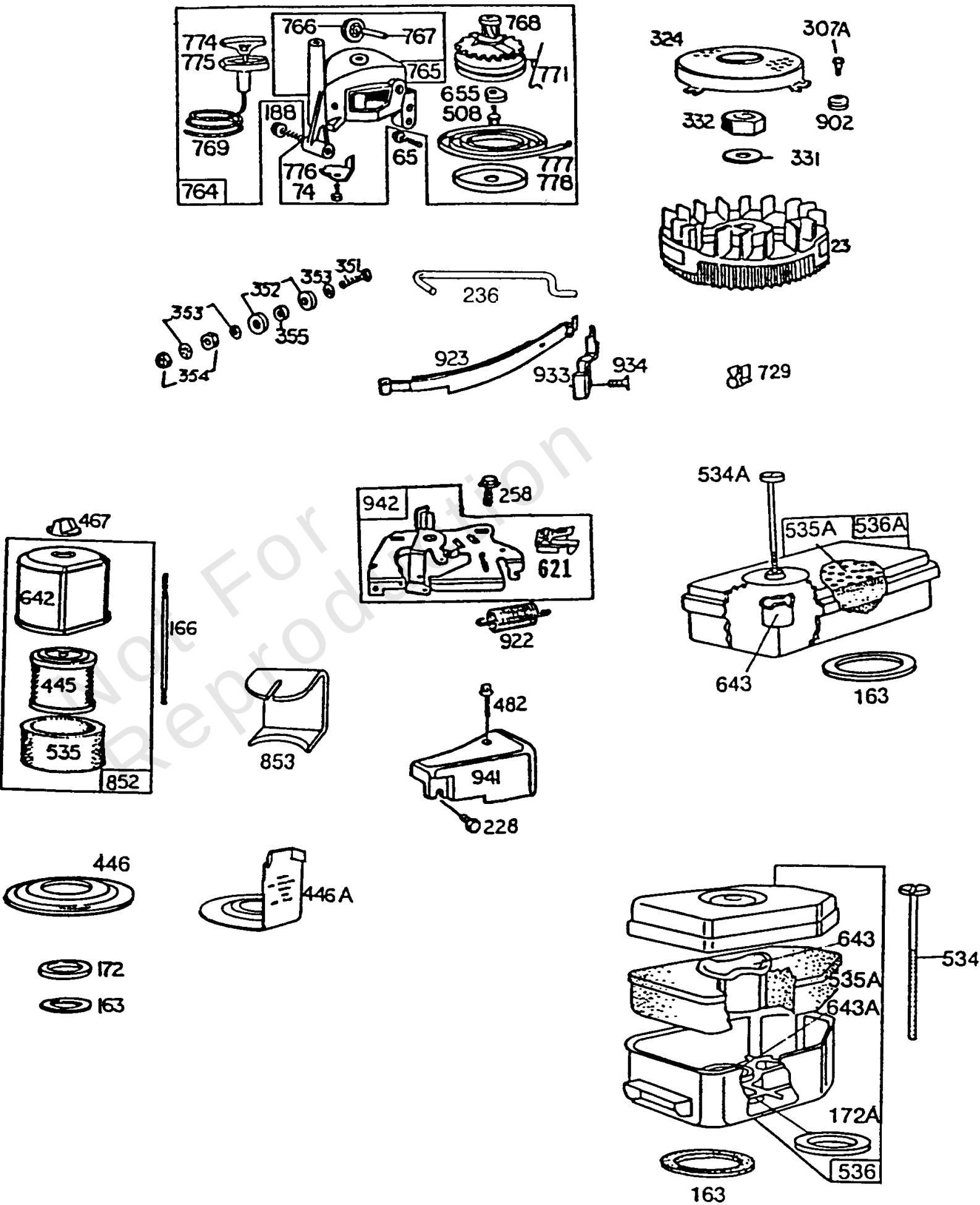
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*(2)SumpBases,Governor Levers*

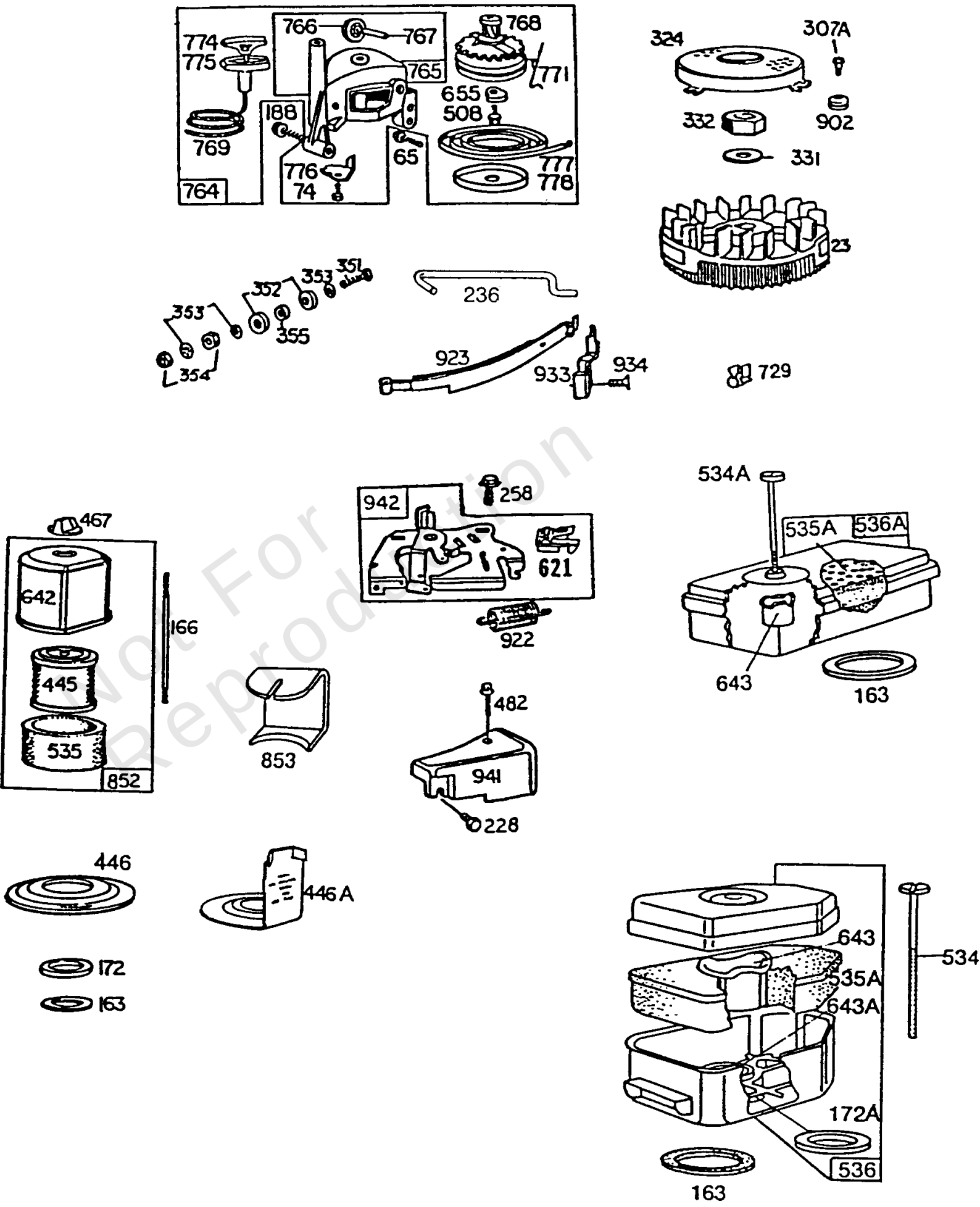
| REF NO | PART NO | QTY | DESCRIPTION    |
|--------|---------|-----|----------------|
| 721    | 221779  |     | STOP, Shaft    |
| 1012   | 280414  |     | RETAINER, Link |

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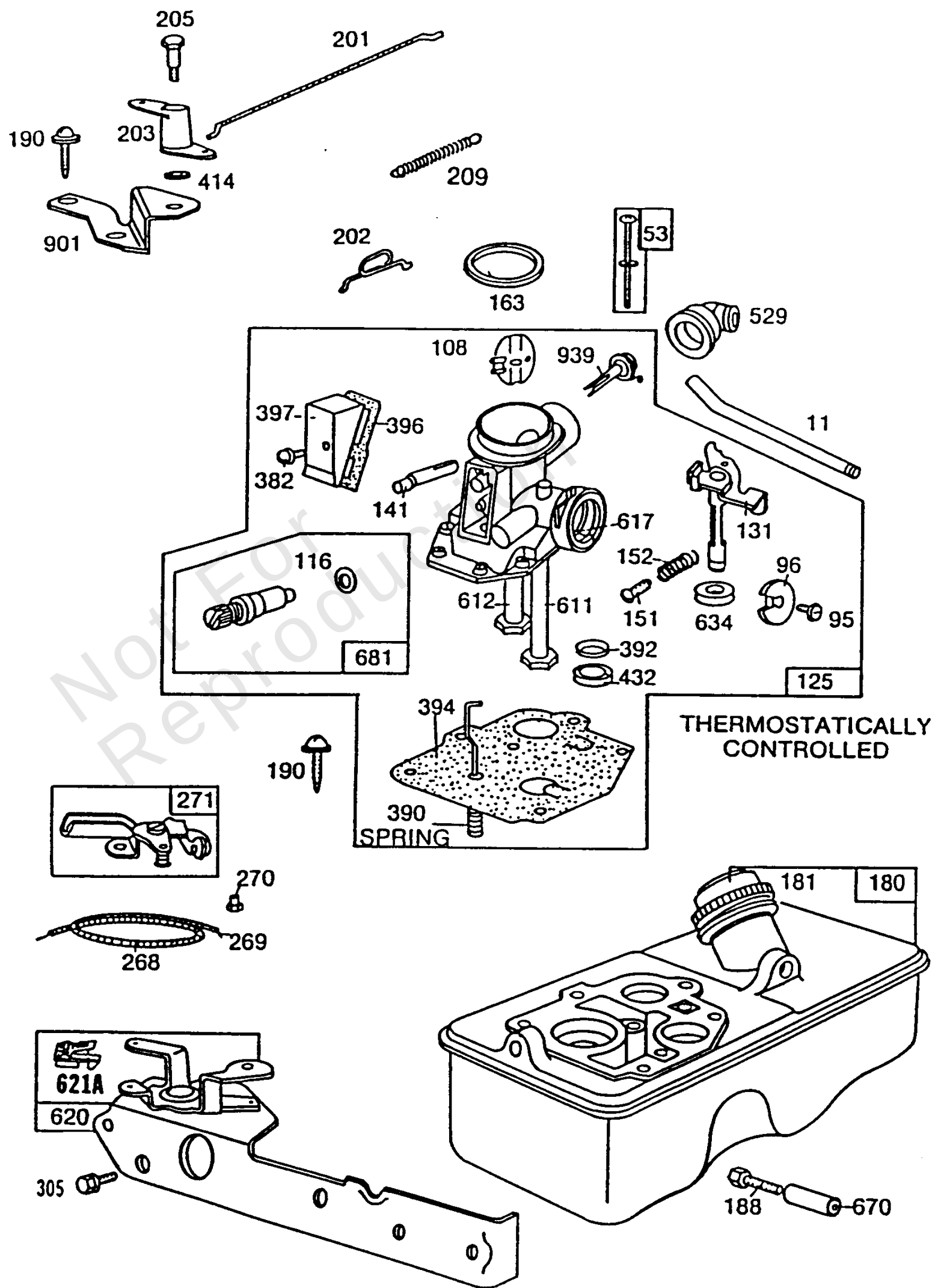
## *Air Cleaners, Brake, Vert Pull*

| REF NO | PART NO | QTY | DESCRIPTION                                               |
|--------|---------|-----|-----------------------------------------------------------|
| 23     | 394848  |     | FLYWHEEL<br>-(Vertical Pull Starter)                      |
| 65     | 93587   |     | SCREW<br>-(1/4-20 X 1)                                    |
| 74     | 93490   |     | SCREW<br>-(Rotating Screen)                               |
| 163    | 271139  |     | GASKET, Air Cleaner<br>-(Above Spacer)                    |
| 166    | 231311  |     | STUD<br>-Used Before Code Date 83111504                   |
| 166    | 231332  |     | STUD<br>-(Rotary Choke)<br>-Used After Code Date 83111404 |
| 172A   | 271273  |     | GASKET, Air Cleaner<br>-(Air Cleaner)                     |
| 172    | 271077  |     | SPACER, Air Cleaner                                       |
| 188    | 94102   |     | SCREW                                                     |
| 228    | 93758   |     | SCREW<br>-(Rotating Screen)                               |
| 236    | 262461  |     | LINK, Lockout                                             |
| 258    | 94018   |     | SCREW                                                     |
| 307A   | 93758   |     | SCREW<br>-(Rotating Screen)                               |
| 324    | 223006  |     | SCREEN, Rotating                                          |
| 331    | 223047  |     | WASHER<br>-(Flywheel)                                     |
| 332    | 92284   |     | NUT<br>-(Flywheel)                                        |
| 351    | 93735   |     | SCREW                                                     |
| 352    | 66068   |     | WASHER<br>-(Fiber)                                        |
| 353    | 92791   |     | WASHER                                                    |
| 354    | 90576   |     | NUT<br>-(Ground Terminal)                                 |
| 355    | 66554   |     | WASHER<br>-(Insulating)                                   |
| 445    | 396424  |     | FILTER, Pre Cleaner                                       |
| 446A   | 395642  |     | BASE, Air Cleaner                                         |
| 446    | 222844  |     | BASE, Air Cleaner                                         |
| 467    | 212706  |     | KNOB, Choke Shaft                                         |
| 482    | 93621   |     | SCREW<br>-(Tapping)                                       |
| 508    | 93158   |     | SCREW<br>-(1/4-20 X 5/8)                                  |
| 534A   | 93374   |     | SCREW<br>-(Air Cleaner)                                   |
| 534    | 93865   |     | SCREW<br>-(Air Cleaner)                                   |
| 535A   | 270848  |     | FILTER, Air Cleaner Foam                                  |
| 535    | 271466  |     | FILTER, Pre Cleaner                                       |
| 536A   | 391641  |     | CLEANER, Air                                              |
| 536    | 394738  |     | CLEANER, Air                                              |
| 621    | 297472  |     | SWITCH, Stop<br>-Used Before Code Date 84030200           |
| 621    | 396847  |     | SWITCH, Stop<br>-Used After Code Date 84030100            |
| 642    | 223306  |     | COVER, Air Cleaner                                        |



## *Air Cleaners, Brake, Vert Pull*

| REF NO | PART NO | QTY | DESCRIPTION                                                                                                       |
|--------|---------|-----|-------------------------------------------------------------------------------------------------------------------|
| 643A   | 280342  |     | SUPPORT, Foam Element                                                                                             |
| 643    | 280374  |     | RETAINER, Air Filter                                                                                              |
| 655    | 222057  |     | ANCHOR, Spring                                                                                                    |
| 729    | 280470  |     | CLIP, Wire                                                                                                        |
| 764    | 395874  |     | STARTER, Vertical Rewind<br>-(80 Rope) (Compliance Engines)                                                       |
| 764    | 396082  |     | STARTER, Vertical Rewind<br>-(48-5/8)                                                                             |
| 765    | 395914  |     | HOUSING, Vertical Starter<br>-(Compliance Engines)                                                                |
| 766    | 280022  |     | PULLEY, Rope Guide                                                                                                |
| 767    | 231048  |     | PIN, Retainer<br>-(7/16)                                                                                          |
| 768    | 395870  |     | PULLEY, Vertical Starter<br>-(81 Rope)                                                                            |
| 769    | 280406  |     | ROPE, Starter<br>-(Cut To Required Length) If longer rope is needed, Order No. 280399 and cut to required length. |
| 769    | 66734   |     | ROPE, Starter<br>-(48-5/8)                                                                                        |
| 771    | 299961  |     | CLIP<br>-(Vertical Pull Starter)                                                                                  |
| 774    | 280121  |     | INSERT, Grip                                                                                                      |
| 775    | 280036  |     | GRIP, Starter Rope                                                                                                |
| 776    | 222049  |     | GUIDE, Rope                                                                                                       |
| 777    | 390066  |     | SPRING, Vertical Rewind Starter                                                                                   |
| 778    | 280021  |     | COVER, Vertical Pulley                                                                                            |
| 852    | 396397  |     | CLEANER, Air                                                                                                      |
| 853    | 394850  |     | BRACKET, Air Cleaner                                                                                              |
| 902    | 280271  |     | GROMMET                                                                                                           |
| 922    | 261647  |     | SPRING, Governor<br>-(Return)                                                                                     |
| 923    | 394867  |     | PIVOT, Band Brake                                                                                                 |
| 933    | 223448  |     | PIVOT, Band Brake                                                                                                 |
| 934    | 94037   |     | SCREW                                                                                                             |
| 941    | 280395  |     | COVER, Linkage                                                                                                    |
| 942    | 493248  |     | BRACKET, Brake                                                                                                    |

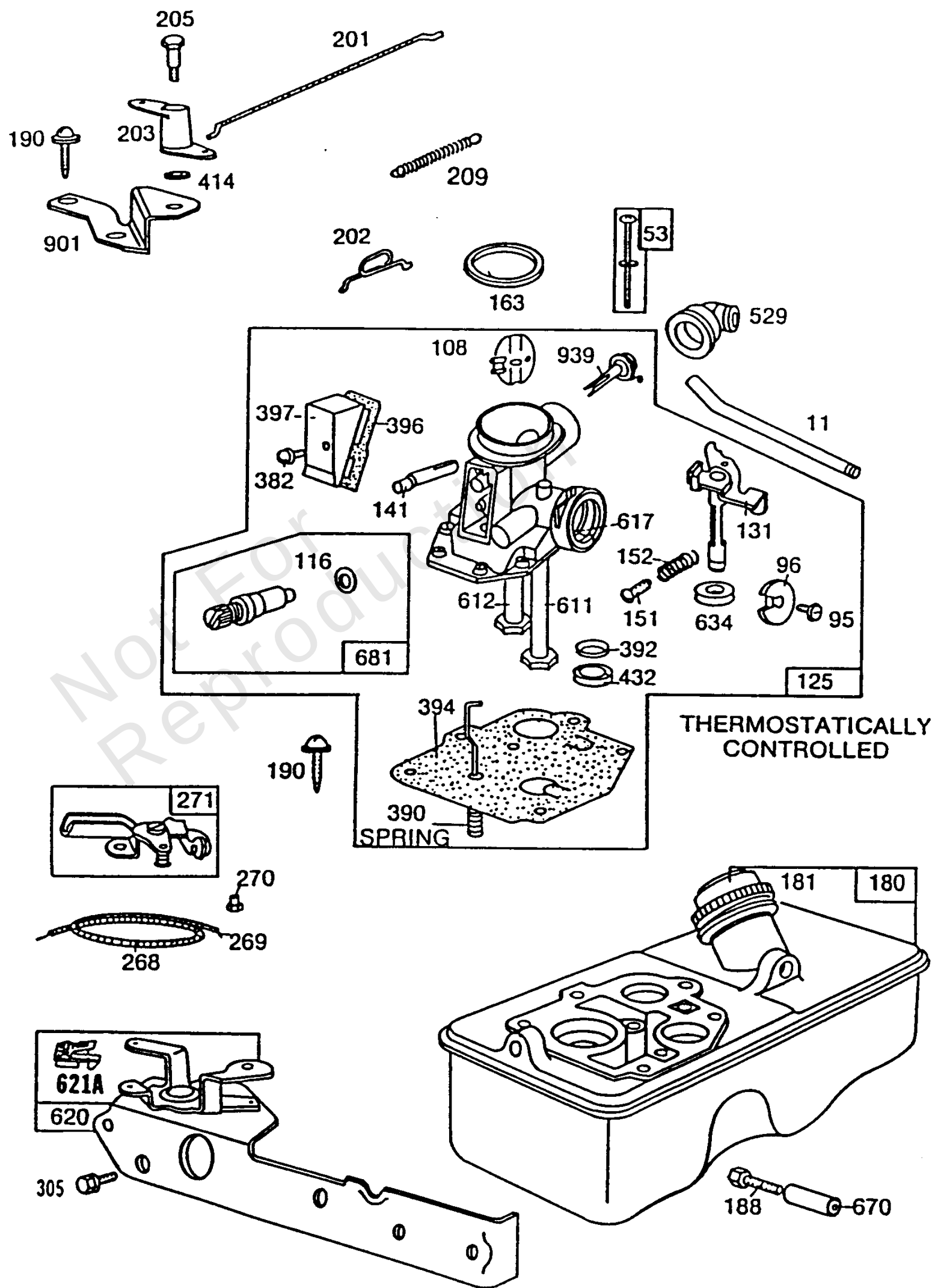


## Carburetor & Fuel Tank Assy

| REF NO | PART NO | QTY | DESCRIPTION                                                                                                                                                           |
|--------|---------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11     | 231292  |     | TUBE, Breather                                                                                                                                                        |
| 53     | 391982  |     | SCREW<br>-(Tank)                                                                                                                                                      |
| 95     | 93499   |     | SCREW<br>-(Throttle Valve)                                                                                                                                            |
| 96     | 211237  |     | VALVE, Throttle                                                                                                                                                       |
| 108    | 280429  |     | VALVE, Choke                                                                                                                                                          |
| 116    | 280203  |     | SEAL, O-Ring<br>-(Fuel Shut Off)                                                                                                                                      |
| 125    | 396586  |     | CARBURETOR<br>-Used Before Code Date 83111504                                                                                                                         |
| 125    | 397180  |     | CARBURETOR<br>-Used After Code Date 83111404                                                                                                                          |
| 131    | 394035  |     | SHAFT, Throttle<br>-(Mechanical Governor)                                                                                                                             |
| 141    | 68908   |     | SHAFT, Choke                                                                                                                                                          |
| 151    | 93524   |     | SCREW<br>-(5-40 X 1/2)                                                                                                                                                |
| 152    | 260746  |     | SPRING, Throttle Return                                                                                                                                               |
| 163    | 271139  |     | GASKET, Air Cleaner<br>-(Above Spacer)                                                                                                                                |
| 180    | 396781  |     | TANK, Fuel                                                                                                                                                            |
| 181    | 391494  |     | CAP, Fuel Tank<br>-(Chrome)                                                                                                                                           |
| 188    | 94102   |     | SCREW                                                                                                                                                                 |
| 190    | 93440   |     | SCREW                                                                                                                                                                 |
| 201    | 261918  |     | LINK, Air Vane                                                                                                                                                        |
| 202    | 261897  |     | LINK, Air Vane<br>-(Mechanical Governor)                                                                                                                              |
| 203    | 280272  |     | CRANK, Bell<br>-(Mechanical Governor)                                                                                                                                 |
| 205    | 231520  |     | SCREW<br>-(8-32)<br>-Used After Code Date 86112300                                                                                                                    |
| 205    | 93838   |     | SCREW<br>-(6-32)<br>-Used Before Code Date 86112400                                                                                                                   |
| 209    | 261936  |     | SPRING, Governor                                                                                                                                                      |
| 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                                                                                                                                                        |
| 305    | 94153   |     | SCREW                                                                                                                                                                 |
| 382    | 93545   |     | SCREW                                                                                                                                                                 |
| 390    | 261249  |     | SPRING, Diaphragm                                                                                                                                                     |
| 392    | 260455  |     | SPRING, Pump Diaphragm                                                                                                                                                |
| 394    | 391643  |     | DIAPHRAGM, Carburetor                                                                                                                                                 |
| 396    | 270571  |     | GASKET, Choke Cover                                                                                                                                                   |
| 397    | 211678  |     | COVER, Choke Link                                                                                                                                                     |
| 414    | 220982  |     | WASHER<br>-Used Before Code Date 86112400                                                                                                                             |

### Footnotes:

AssocPart: 0000000393411

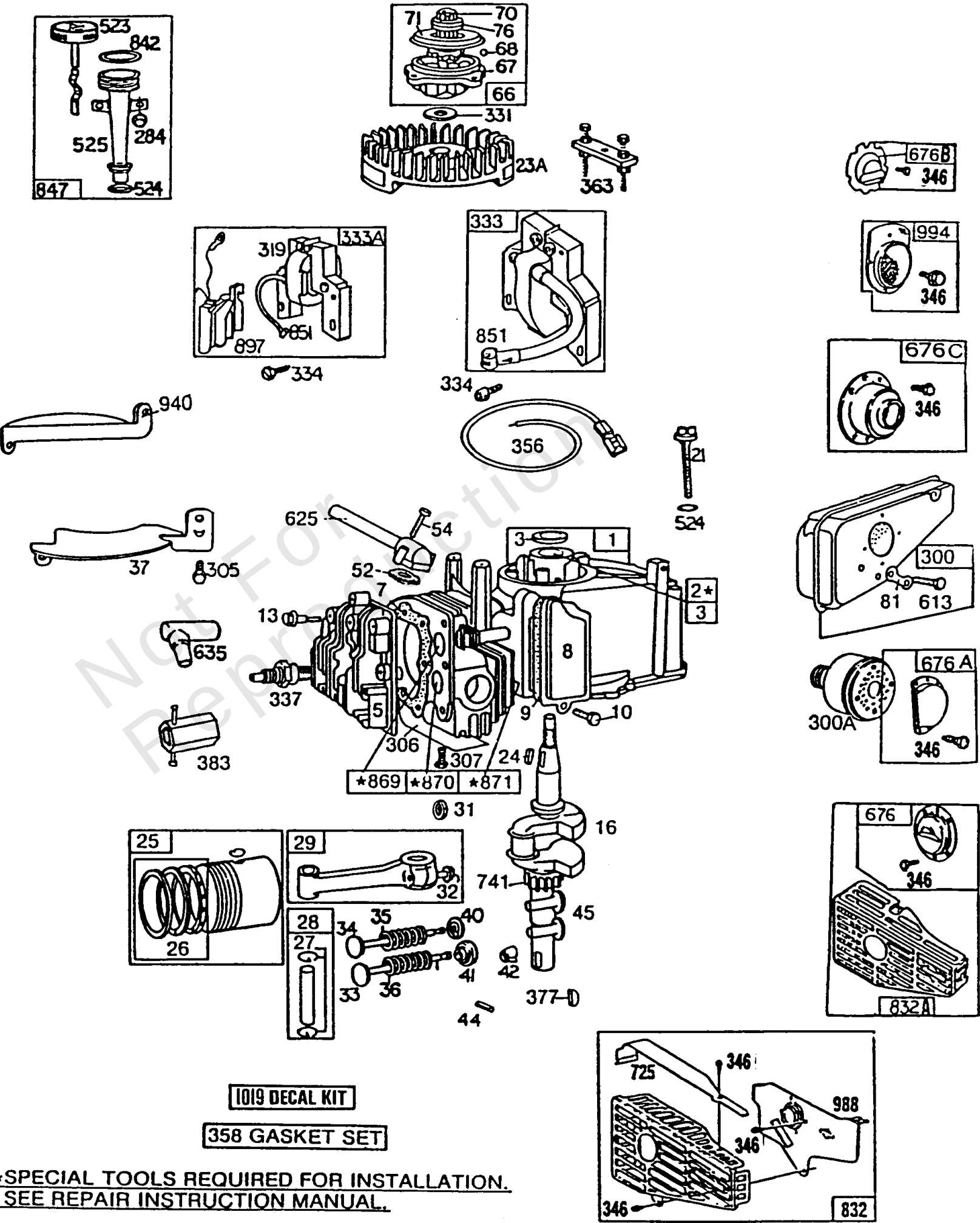


## Carburetor & Fuel Tank Assy

| REF NO | PART NO | QTY | DESCRIPTION                                                                       |
|--------|---------|-----|-----------------------------------------------------------------------------------|
| 414    | 223932  |     | WASHER<br>-Used After Code Date 86112300                                          |
| 432    | 221377  |     | CAP, Spring                                                                       |
| 529    | 280368  |     | GROMMET<br>-(Breather)                                                            |
| 611    | 297219  |     | TUBE, Pick Up<br>-(2 5/8)                                                         |
| 612    | 296811  |     | TUBE, Pick Up                                                                     |
| 617    | 270344  |     | SEAL, O-Ring<br>-(Intake Manifold)                                                |
| 620    | 394642  |     | BRACKET, Control<br>-(Remote Control)                                             |
| 621A   | 396847  |     | SWITCH, Stop<br>-Used After Code Date 85032700                                    |
| 621A   | 297472  |     | SWITCH, Stop<br>-Used Before Code Date 85032800                                   |
| 634    | 270167  |     | SEAL, Choke/Throttle Shaft<br>-(Felt)                                             |
| 670    | 94038   |     | SPACER, Fuel Tank<br>-(Compliance Engines) Used on Engines with Band Brake        |
| 670    | 94047   |     | SPACER, Fuel Tank<br>-(Non Compliance Engines) Used on Engines without Band Brake |
| 681    | 395508  |     | VALVE, High Speed<br>-(Nylon Body)                                                |
| 901    | 490818  |     | BRACKET, Mounting<br>-(Mechanical Governor)                                       |
| 939    | 395665  |     | SHAFT, Auto Choke<br>-(Includes Spring)                                           |

### Footnotes:

AssocPart: 0000000393411



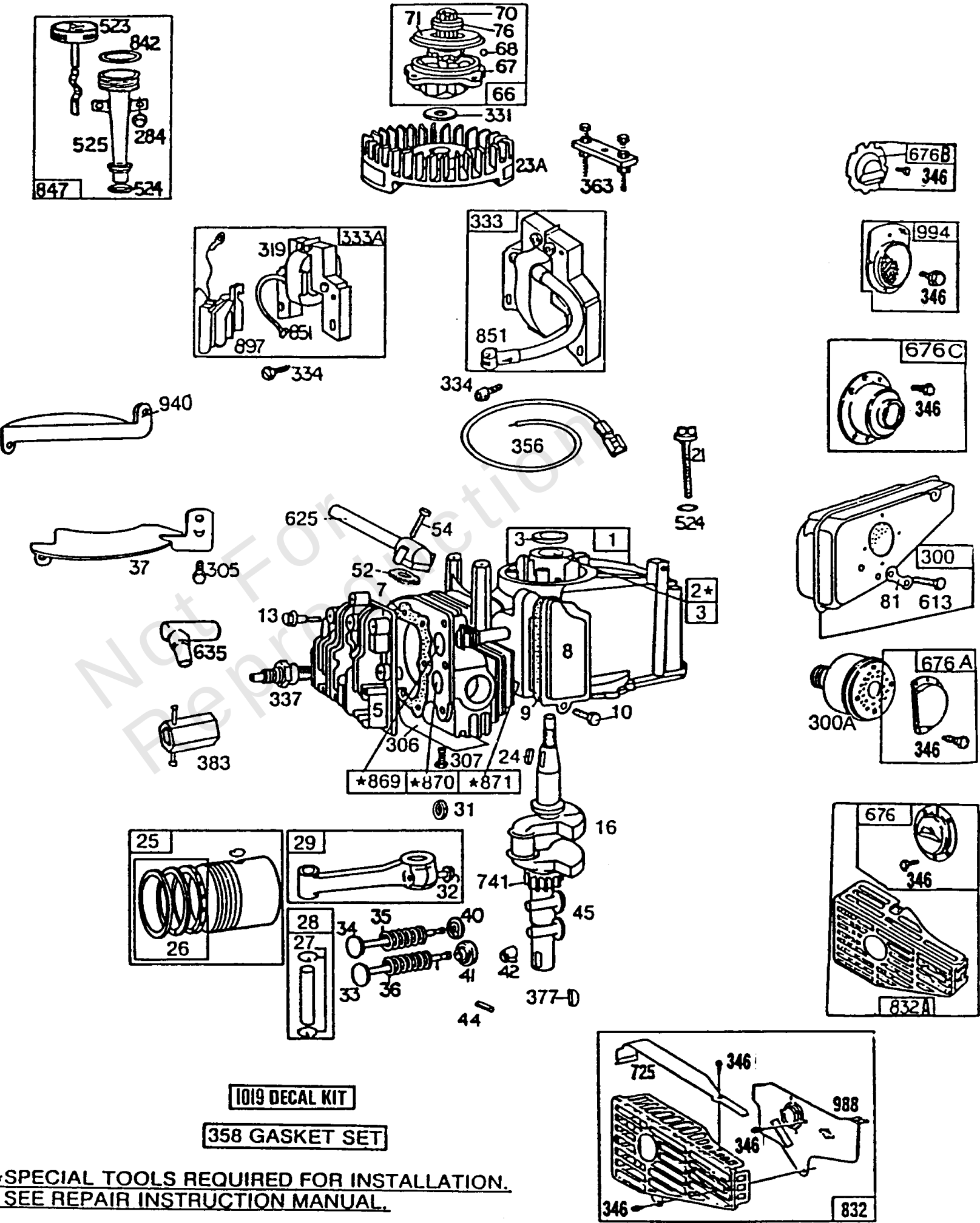
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## Cyl,Oil Fill,Piston,Mufflers

| REF NO | PART NO | QTY | DESCRIPTION                                                                                  |
|--------|---------|-----|----------------------------------------------------------------------------------------------|
| 1      | 399166  |     | CYLINDER ASSEMBLY                                                                            |
| 2      | 399269  |     | KIT, Bushing/Seal<br>-(Magneto Side)                                                         |
| 3      | 299819  |     | SEAL, Oil<br>-(Plain Bearing)                                                                |
| 5      | 211851  |     | HEAD, Cylinder                                                                               |
| 7      | 270836  |     | GASKET, Cylinder Head<br>-Included in Gasket Set-Part No. 391662                             |
| 8      | 298383  |     | BREATHER ASSEMBLY                                                                            |
| 9      | 270239  |     | GASKET, Rocker Cover<br>-Included in Gasket Set-Part No. 391662                              |
| 10     | 93394   |     | SCREW                                                                                        |
| 13     | 93111   |     | SCREW<br>-(15/16)                                                                            |
| 13     | 93772   |     | STUD<br>-(15/16)                                                                             |
| 16     | 492094  |     | CRANKSHAFT<br>-To Replace Crankshaft Gear Pin, Order Part No. 230978                         |
| 21     | 280381  |     | PLUG<br>-Used Before Code Date 85051100                                                      |
| 21     | 280485  |     | PLUG<br>-Used After Code Date 85051000                                                       |
| 23A    | 395653  |     | FLYWHEEL                                                                                     |
| 24     | 222698  |     | KEY, Flywheel                                                                                |
| 25     | 396455  |     | PISTON ASSEMBLY<br>-(Standard)                                                               |
| 25     | 396456  |     | PISTON ASSEMBLY<br>-(.010 Oversize)                                                          |
| 25     | 396457  |     | PISTON ASSEMBLY<br>-(.020 Oversize)                                                          |
| 25     | 396458  |     | PISTON ASSEMBLY<br>-(.030 Oversize)                                                          |
| 26     | 392330  |     | SET, Ring<br>-(Standard)                                                                     |
| 26     | 396459  |     | SET, Ring<br>-(Standard)                                                                     |
| 26     | 396460  |     | SET, Ring<br>-(.010 Oversize)                                                                |
| 26     | 396461  |     | SET, Ring<br>-(.020 Oversize)                                                                |
| 26     | 396462  |     | SET, Ring<br>-(.030 Oversize)                                                                |
| 27     | 26026   |     | LOCK, Piston Pin                                                                             |
| 28     | 391649  |     | PIN, Piston<br>-(Standard)                                                                   |
| 28     | 394861  |     | PIN, Piston<br>-(.005 Oversize)                                                              |
| 29     | 391640  |     | ROD, Connecting<br>-For Connecting Rod with .020 undersize Crankpin Bearing-Order No. 393710 |
| 31     | 222282  |     | WASHER                                                                                       |
| 32     | 94405   |     | SCREW<br>-(Connecting Rod)                                                                   |
| 33     | 261912  |     | VALVE, Exhaust                                                                               |
| 34     | 261233  |     | VALVE, Intake                                                                                |
| 35     | 260552  |     | SPRING, Valve<br>-(Exhaust)                                                                  |

### Footnotes:

AssocPart: 0000000393411

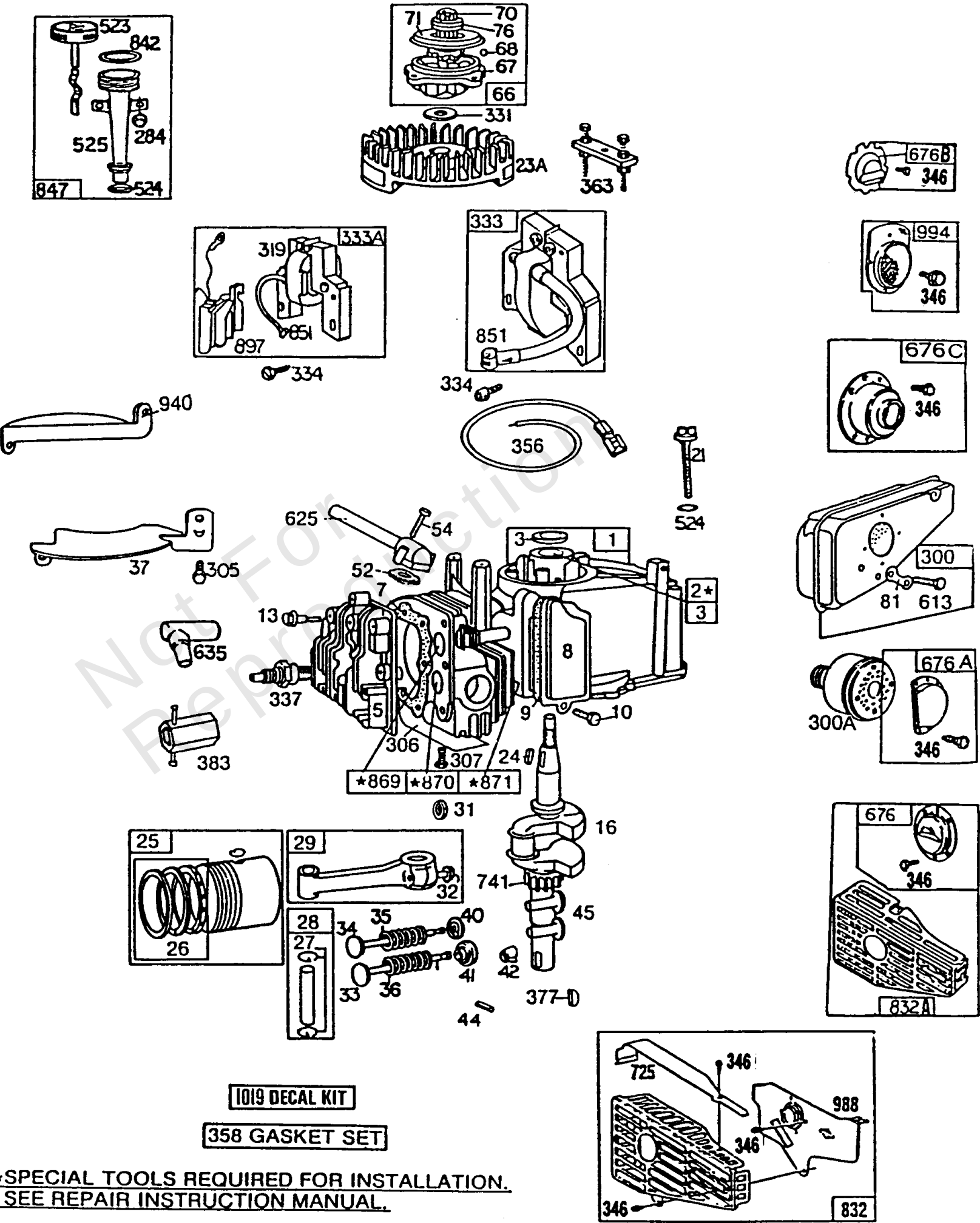


## *Cyl,Oil Fill,Piston,Mufflers*

| REF NO | PART NO | QTY | DESCRIPTION                                                                            |
|--------|---------|-----|----------------------------------------------------------------------------------------|
| 36     | 26826   |     | SPRING, VALVE<br>-(Exhaust)                                                            |
| 37     | 223150  |     | GUARD, Flywheel<br>-(Muffler Side)                                                     |
| 40     | 93312   |     | RETAINER, Valve<br>-(Valves With Groove In Stem) Used with valves with groove in stem. |
| 41     | 292259  |     | RETAINER, Valve<br>-(Exhaust)                                                          |
| 42     | 230127  |     | RETAINER, Valve                                                                        |
| 44     | 230126  |     | PIN, Retainer                                                                          |
| 45     | 261250  |     | TAPPET, Valve                                                                          |
| 52     | 270844  |     | GASKET, Intake<br>-Included in Gasket Set-Part No. 391662                              |
| 54     | 93485   |     | SCREW                                                                                  |
| 66     | 399671  |     | CLUTCH-STARTER<br>-(Uses Rubber Coated Retainer Washer-Ref. 71)                        |
| 67     | 394897  |     | HOUSING, Clutch                                                                        |
| 68     | 63770   |     | BALL, Clutch                                                                           |
| 70     | 298799  |     | RATCHET, Clutch<br>-(engine W/Ring Gear on FW equipped for Elec Start)                 |
| 71     | 221653  |     | WASHER                                                                                 |
| 71     | 394506  |     | COVER, Ratchet<br>-(Rubber Coated)                                                     |
| 76     | 68238   |     | SEAL, Ratchet                                                                          |
| 81     | 223256  |     | LOCK, Rod Screw                                                                        |
| 284    | 94073   |     | SCREW                                                                                  |
| 300A   | 394569  |     | MUFFLER<br>-(Lo Tone)                                                                  |
| 300    | 394644  |     | MUFFLER                                                                                |
| 305    | 94153   |     | SCREW                                                                                  |
| 306    | 223263  |     | SHIELD, Cylinder                                                                       |
| 307    | 93490   |     | SCREW<br>-(Rotating Screen)                                                            |
| 319    | 395488  |     | ARMATURE, Magneto<br>-(Less Trigger Coil)                                              |
| 331    | 223047  |     | WASHER<br>-(Flywheel)                                                                  |
| 333A   | 398593  |     | ARMATURE, Magneto<br>-(Magnetron Ignition)                                             |
| 333    | 398593  |     | ARMATURE, Magneto<br>-(Magnetron Ignition)                                             |
| 334    | 93381   |     | SCREW                                                                                  |
| 337    | 293918  |     | PLUG, Spark                                                                            |
| 337    | 298809  |     | PLUG, Spark                                                                            |
| 337    | 492167  |     | PLUG, Spark                                                                            |
| 337    | 802592  |     | PLUG, Spark<br>-(Resistor)                                                             |
| 346    | 93705   |     | SCREW<br>-(8-32 X 3/8)                                                                 |
| 356    | 398808  |     | WIRE, Stop<br>-(Cut To Required Length)                                                |
| 358    | 391662  |     | GASKET SET, Engine                                                                     |
| 363    | 19069   |     | PULLER, Flywheel                                                                       |

### Footnotes:

AssocPart: 0000000393411

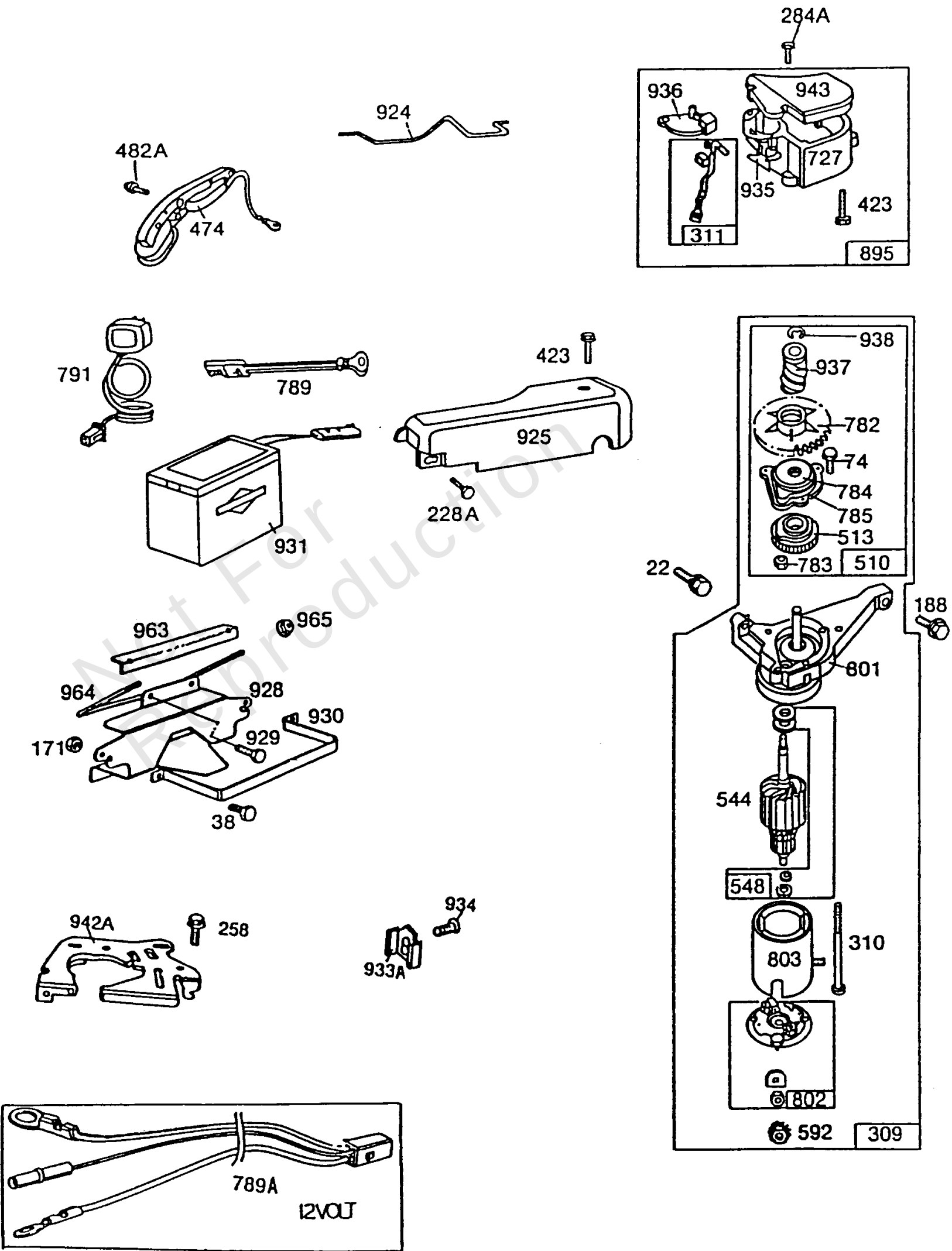


## *Cyl,Oil Fill,Piston,Mufflers*

| REF NO | PART NO | QTY | DESCRIPTION                                                 |
|--------|---------|-----|-------------------------------------------------------------|
| 377    | 93065   |     | KEY, Woodruff<br>-(#6)                                      |
| 383    | 89838   |     | WRENCH, Spark Plug                                          |
| 523    | 396372  |     | DIPSTICK/CAP ASSEMBLY                                       |
| 524    | 271485  |     | SEAL, O-Ring<br>-(Dipstick Tube) (Oil Fill)                 |
| 525    | 280382  |     | TUBE, Dipstick<br>-Used Before Code Date 85051100           |
| 525    | 280578  |     | TUBE, Dipstick<br>-Used After Code Date 85051000            |
| 613    | 93935   |     | SCREW<br>-(Muffler)                                         |
| 625    | 391377  |     | STACK, Air                                                  |
| 635    | 66538   |     | BOOT, Spark Plug                                            |
| 676B   | 393756  |     | DEFLECTOR, Muffler<br>-(Side Outlet)                        |
| 676A   | 393760  |     | DEFLECTOR, Muffler                                          |
| 676C   | 397931  |     | DEFLECTOR, Muffler                                          |
| 676    | 396548  |     | DEFLECTOR, Muffler                                          |
| 725    | 223725  |     | SHIELD, Heat                                                |
| 741    | 261533  |     | GEAR, Timing<br>-(Plain Bearing 2 Piece Crankshaft)         |
| 832A   | 396313  |     | GUARD, Muffler                                              |
| 832    | 399637  |     | GUARD, Muffler                                              |
| 842    | 270920  |     | SEAL, O-Ring<br>-(Dipstick Tube) (Oil Fill)                 |
| 847    | 395869  |     | TUBE, Dipstick<br>-Used Before Code Date 85051100           |
| 847    | 399030  |     | TUBE, Dipstick<br>-Used After Code Date 85051000            |
| 851    | 221798  |     | TERMINAL, Spark Plug                                        |
| 869    | 210879  |     | SEAT, Valve<br>-(Intake)<br>-Used Before Code Date 88080100 |
| 869    | 211172  |     | SEAT, Valve<br>-(Intake)<br>-Used After Code Date 88073100  |
| 870    | 211291  |     | SEAT, Valve<br>-(Exhaust)                                   |
| 871    | 262001  |     | BUSHING-VALVE GUIDE<br>-(Exhaust)                           |
| 871    | 63709   |     | BUSHING, Valve Guide<br>-(Intake)                           |
| 897    | 394970  |     | KIT, Magnetron Ignition                                     |
| 940    | 222403  |     | GUARD, Flywheel                                             |
| 988    | 223600  |     | BRACKET, Muffler                                            |
| 994    | 398067  |     | ARRESTOR, Spark                                             |
| 1019   | 491099  |     | KIT, Label                                                  |

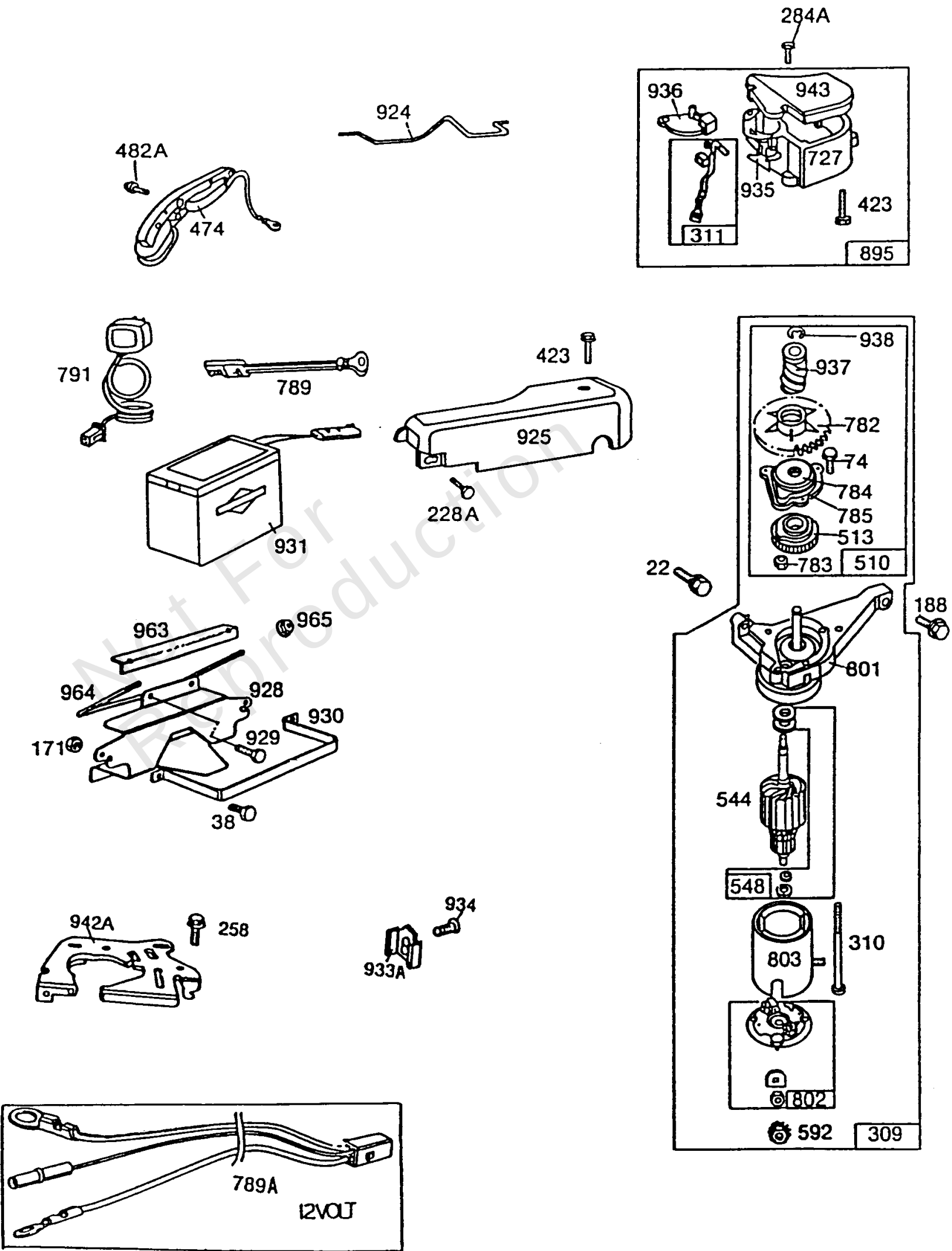
### Footnotes:

AssocPart: 0000000393411



## Electric Starter,Misc Elect

| REF NO | PART NO | QTY | DESCRIPTION                                                                  |
|--------|---------|-----|------------------------------------------------------------------------------|
| 22     | 93032   |     | SCREW<br>-(Fuel Tank) (Tank)                                                 |
| 38     | 93777   |     | SCREW                                                                        |
| 74     | 93490   |     | SCREW<br>-(Rotating Screen)                                                  |
| 171    | 93203   |     | NUT                                                                          |
| 188    | 94102   |     | SCREW                                                                        |
| 228A   | 93490   |     | SCREW<br>-(Rotating Screen)                                                  |
| 258    | 94018   |     | SCREW                                                                        |
| 284A   | 93892   |     | SCREW                                                                        |
| 309    | 395852  |     | MOTOR, Starter<br>-(6 Volt) (Black Insulator)                                |
| 310    | 94051   |     | SCREW                                                                        |
| 311    | 395728  |     | SET, Brush                                                                   |
| 423    | 94026   |     | SCREW                                                                        |
| 474    | 397880  |     | ALTERNATOR                                                                   |
| 482A   | 94016   |     | SCREW                                                                        |
| 510    | 395727  |     | DRIVE, Starter                                                               |
| 513    | 394815  |     | CLUTCH, Starter<br>-Included in Starter Drive Kit-Part No. 395727            |
| 544    | 396058  |     | ARMATURE, Starter<br>-(6 Volt)                                               |
| 548    | 396067  |     | WASHER<br>-(Starter Motor)                                                   |
| 592    | 93991   |     | NUT<br>-(10-24)                                                              |
| 727    | 280336  |     | GUARD, Flywheel                                                              |
| 782    | 280038  |     | GEAR, Starter Drive<br>-Included in Starter Drive Kit-Part No. 395727        |
| 783    | 261606  |     | GEAR, Starter Drive<br>-Included in Starter Drive Kit-Part No. 395727        |
| 784    | 223123  |     | COVER, Gear<br>-Included in Starter Drive Kit-Part No. 395727                |
| 785    | 271457  |     | GASKET, Gear Cover/Housing<br>-Included in Starter Drive Kit-Part No. 395727 |
| 789    | 396392  |     | HARNESS, Wiring<br>-(14, 6 Volt)                                             |
| 791    | 395569  |     | CHARGER, Battery<br>-(120 Volt) (6 Volt Battery)                             |
| 791    | 395585  |     | CHARGER, Battery<br>-(240 Volt) (6 Volt Battery)                             |
| 791    | 493357  |     | ADAPTER, Charger<br>-(With 493359 Battery)                                   |
| 801    | 395851  |     | CAP, Drive                                                                   |
| 802    | 396061  |     | CAP, End                                                                     |
| 803    | 396059  |     | HOUSING, Starter                                                             |
| 895    | 394767  |     | SWITCH, Starting                                                             |
| 924    | 261881  |     | LINK, Starter Switch                                                         |
| 925    | 280363  |     | COVER, Linkage                                                               |
| 928    | 223162  |     | BRACKET, Battery                                                             |
| 929    | 93980   |     | SCREW<br>-(Fuel Tank) (Tank)                                                 |
| 930    | 223161  |     | BRACKET, Support                                                             |
| 931    | 395559  |     | BATTERY<br>-(6 Volt)                                                         |

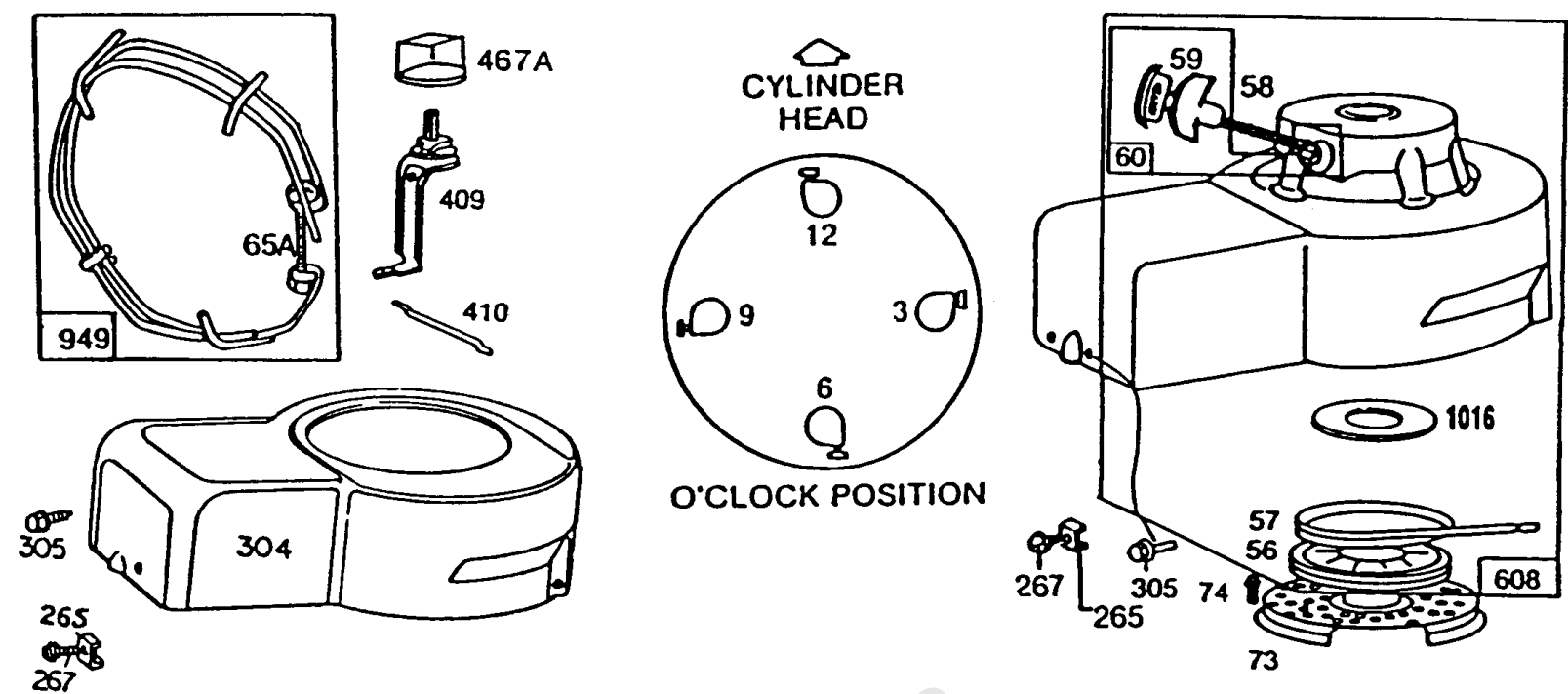


### *Electric Starter,Misc Elect*

| REF NO | PART NO | QTY | DESCRIPTION                                                        |
|--------|---------|-----|--------------------------------------------------------------------|
| 933A   | 223278  |     | SPACER<br>-(Used on Engines Without Band Brake)                    |
| 934    | 94037   |     | SCREW                                                              |
| 935    | 223128  |     | SWITCH, Interlock                                                  |
| 936    | 280338  |     | SWITCH, Actuator                                                   |
| 937    | 280366  |     | SPLINE, Starter<br>-Included in Starter Drive Kit-Part No. 395727  |
| 938    | 93941   |     | RETAINER, E Ring<br>-Included in Starter Drive Kit-Part No. 395727 |
| 942A   | 224331  |     | BRACKET, Brake                                                     |
| 943    | 280322  |     | COVER, Starter                                                     |
| 963    | 223502  |     | STRAP, Battery Support                                             |
| 964    | 94107   |     | BOLT                                                               |
| 965    | 94108   |     | NUT                                                                |

**Replacement Engine - US & Canada**

| REF NO | PART NO   | QTY | DESCRIPTION                                                                                                                                                                                                                                      |
|--------|-----------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | 9P7020116 | 1   | Replacement Engine                                                                                                                                                                                                                               |
|        | -----     |     | Top No-Load Speed: 3200<br>-Trim: ALL                                                                                                                                                                                                            |
|        | -----     |     | Service Note: If the replacement engine supersedes to or is a Model 93J00 series engine, refer to the illustrations located after the conversion data for this model series. The overall dimensions that differ, are shown in the illustrations. |
|        | -----     |     | If after making a visual inspection and it is determined the Model 93J00 series engine cannot be used because of equipment interference, the original engine should be repaired with individual parts.                                           |



REWIND STARTER ASSEMBLIES FOR NON-BAND BRAKE

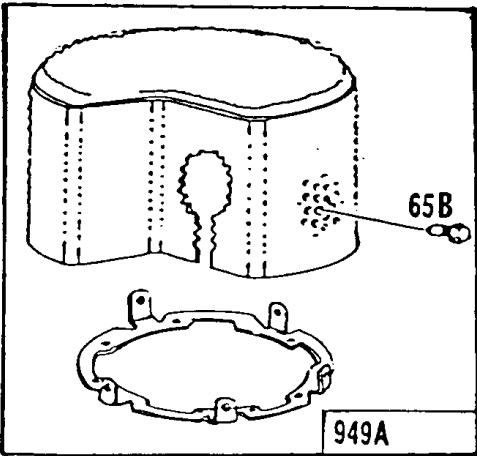
| CLOCK POSITIONS |         |        |        |        |
|-----------------|---------|--------|--------|--------|
| 1:30            | 3       | 6      | 9      | 12     |
| 396411          | 396468* | 396794 | 398780 | 396411 |

\*See Text For Specials

REWIND STARTER ASSEMBLIES FOR BAND-BRAKE

| CLOCK POSITIONS |   |         |        |        |
|-----------------|---|---------|--------|--------|
| 1:30            | 3 | 6       | 9      | 12     |
|                 |   | 396413* | 397824 | 396017 |

\*For Specials, See Text Ref. 608.



## Rewind, Blower Hsg, Guard

| REF NO | PART NO | QTY | DESCRIPTION                                                                                                                                         |
|--------|---------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 56     | 280439  |     | PULLEY, Rope Starter                                                                                                                                |
| 57     | 490179  |     | SPRING-REWIND STR                                                                                                                                   |
| 58     | 280406  |     | ROPE, Starter<br>-(Cut To Required Length) If longer rope is needed, Order No. 395883 and cut to required length. Order 66734 for 48-5/8 long rope. |
| 59     | 396892  |     | INSERT-GRIP                                                                                                                                         |
| 60     | 393152  |     | GRIP-STARTER ROPE                                                                                                                                   |
| 65B    | 93572   |     | SCREW<br>-(10-32 X 3/8)                                                                                                                             |
| 65A    | 94124   |     | SCREW                                                                                                                                               |
| 73     | 221661  |     | SCREEN, Rotating<br>-(Rewind Starter)                                                                                                               |
| 74     | 93490   |     | SCREW<br>-(Rotating Screen)                                                                                                                         |
| 265    | 22372   |     | CLAMP, Casing                                                                                                                                       |
| 267    | 93469   |     | SCREW                                                                                                                                               |
| 304    | 223204  |     | HOUSING, Blower<br>-(Electric Starter) Used on Band Brake Engines                                                                                   |
| 304    | 396412  |     | HOUSING, Blower<br>-Used on Non-Band Brake Engines                                                                                                  |
| 305    | 94153   |     | SCREW                                                                                                                                               |
| 409    | 391590  |     | BRACKET, Control                                                                                                                                    |
| 410    | 260993  |     | LINK, Control                                                                                                                                       |
| 467A   | 299858  |     | KNOB, Control                                                                                                                                       |
| 608    | 396017  |     | STARTER, Rewind<br>-(12 O'clock)                                                                                                                    |
| 608    | 396411  |     | STARTER, Rewind<br>-(12 O'clock)                                                                                                                    |
| 608    | 396413  |     | STARTER, Rewind<br>-(6 O'clock) (Compliance Engines)                                                                                                |
| 608    | 396468  |     | STARTER, Rewind<br>-(3 O'clock)                                                                                                                     |
| 608    | 396794  |     | STARTER, Rewind<br>-(6 O'clock) (Non Compliance Engines)                                                                                            |
| 608    | 397824  |     | STARTER, Rewind<br>-(9 O'clock) (Compliance Engines)                                                                                                |
| 608    | 398780  |     | STARTER, Rewind<br>-(9 O'clock) (Non Compliance Engines)                                                                                            |
| 949A   | 398833  |     | GUARD, Rewind                                                                                                                                       |
| 949    | 396579  |     | GUARD, Debris Screen<br>-(Includes Mounting Hardware)                                                                                               |
| 1016   | 490817  |     | SPACER-REWIND<br>-(Rewind)                                                                                                                          |

