

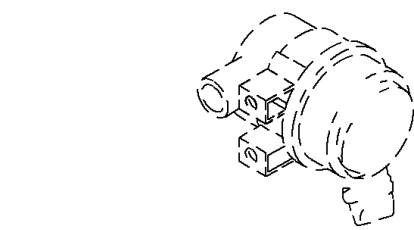
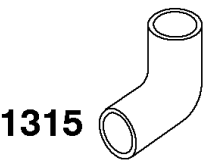
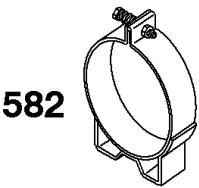
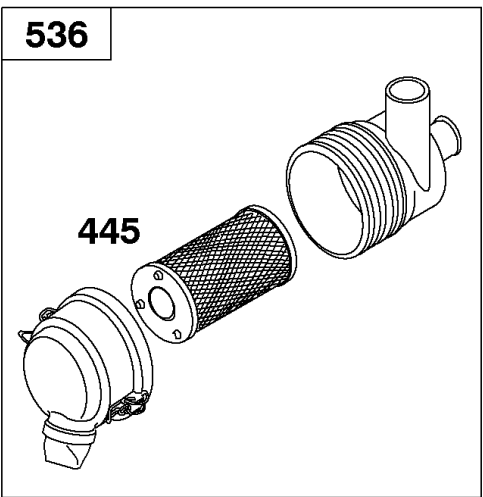


# Parts Manual

Mfg. No: 433447-0115-01



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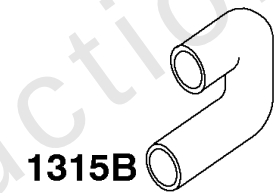
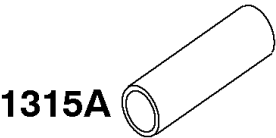
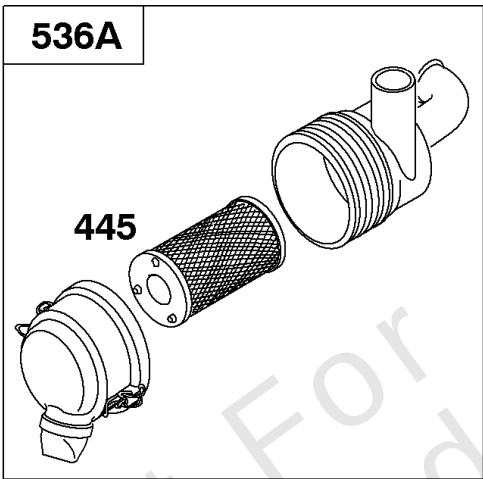


318B

493C

534

532



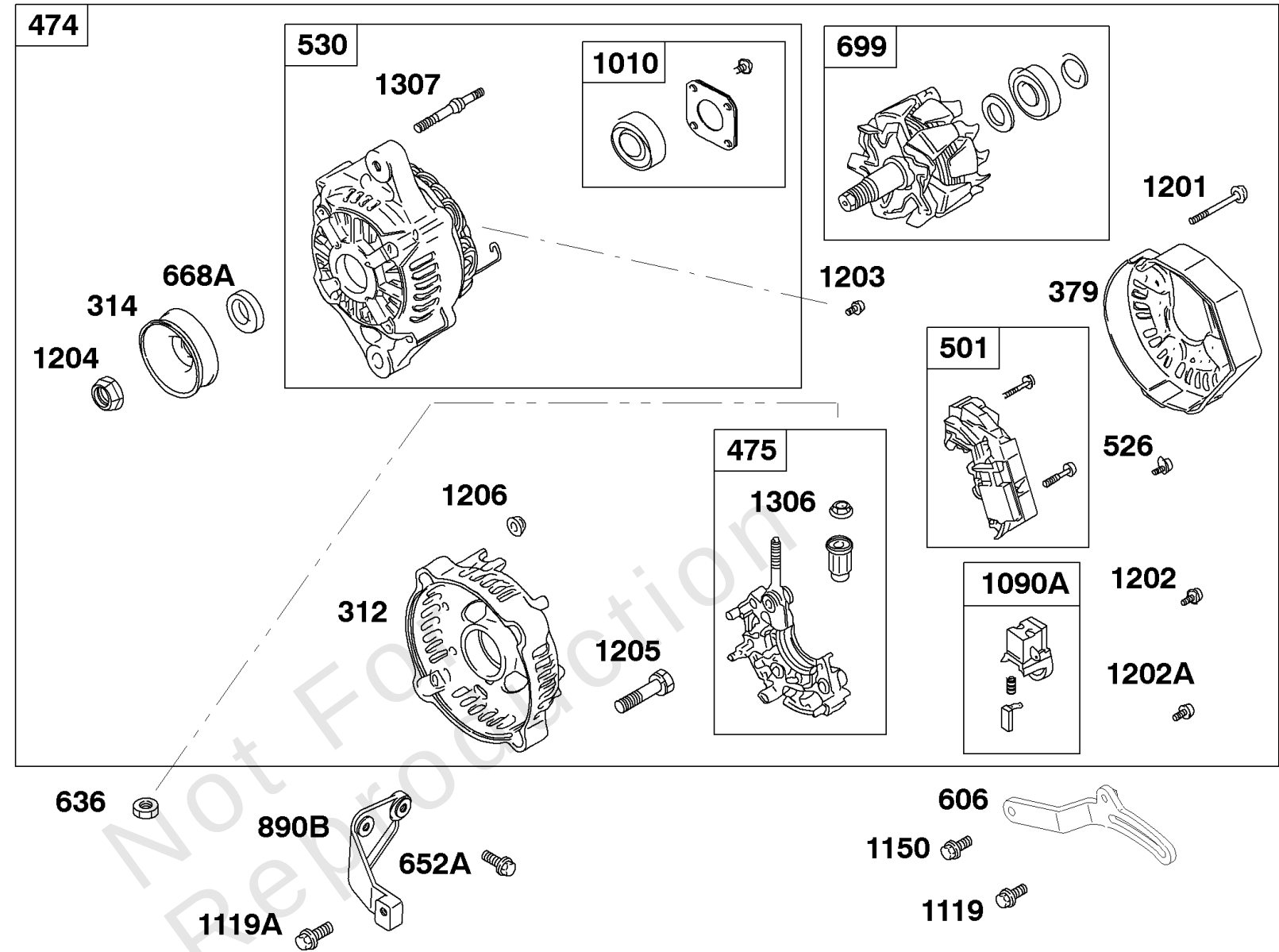
1315B

| REF. NO. | PART NO. | DESCRIPTION                    | REF. NO. | PART NO. | DESCRIPTION                                       | REF. NO. | PART NO. | DESCRIPTION      |
|----------|----------|--------------------------------|----------|----------|---------------------------------------------------|----------|----------|------------------|
| 318B     | 820212   | Screw (Mounting Bracket)       | 534      | 820273   | Screw (Air Cleaner)                               | 1315     | 820554   | Hose-Air Cleaner |
| 445      | 820263   | Filter-Air Cleaner Cartridge   | 536      | 825117   | Cleaner-Air (With Vacuum Adaptor)                 | 1315A    | 820555   | Hose-Air Cleaner |
| 493C     | 820195   | Bracket-Mounting (Air Cleaner) | 536A     | 825118   | Cleaner-Air (90 Degree Elbow With Vacuum Adaptor) | 1315B    | 820556   | Hose-Air Cleaner |
| 532      | 820070   | Nut (Mounting Bracket)         | 582      | 820230   | Clamp-Air Cleaner                                 |          |          |                  |

## *Air Cleaner*

| REF NO | PART NO | QTY | DESCRIPTION                                            |
|--------|---------|-----|--------------------------------------------------------|
| 318B   | 820212  |     | SCREW<br>-(Mounting Bracket)                           |
| 445    | 820263  |     | FILTER, A/C Cartridge                                  |
| 493C   | 820195  |     | BRACKET, Mounting<br>-(Air Cleaner)                    |
| 532    | 820070  |     | NUT<br>-(Mounting Bracket)                             |
| 534    | 820273  |     | SCREW<br>-(Air Cleaner)                                |
| 536    | 825117  |     | CLEANER, Air<br>-(With Vacuum Adaptor)                 |
| 536A   | 825118  |     | CLEANER, Air<br>-(90 Degree Elbow with Vacuum Adaptor) |
| 582    | 820230  |     | CLAMP, Air Cleaner                                     |
| 1315   | 820554  |     | HOSE, Air Cleaner                                      |
| 1315A  | 820555  |     | HOSE, Air Cleaner                                      |
| 1315B  | 820556  |     | HOSE, Air Cleaner                                      |

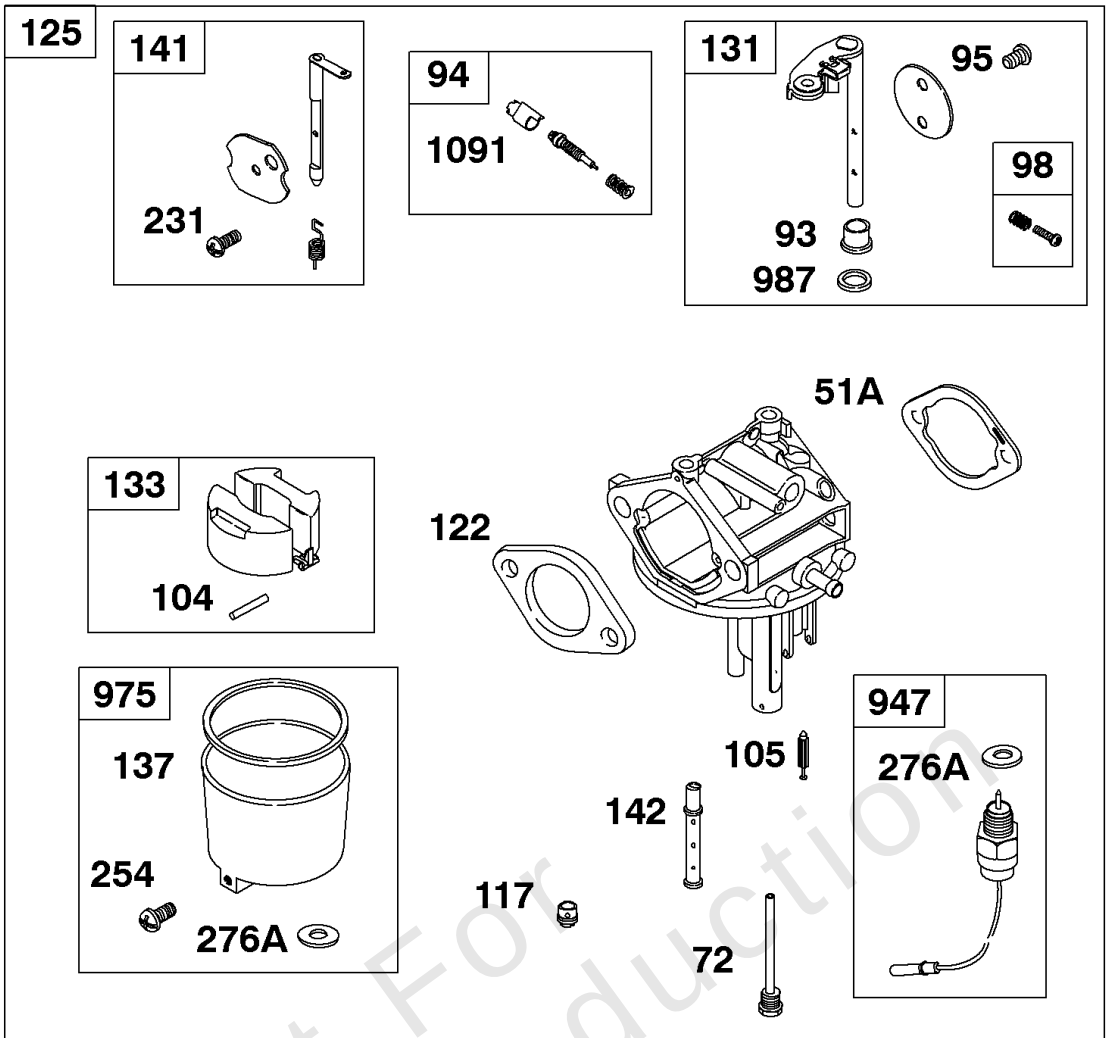
40 AMP



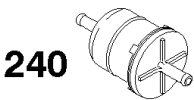
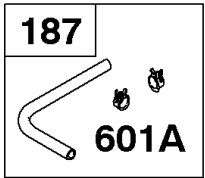
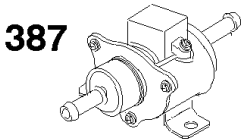
| REF. NO. | PART NO. | DESCRIPTION           | REF. NO. | PART NO. | DESCRIPTION             | REF. NO. | PART NO. | DESCRIPTION               |
|----------|----------|-----------------------|----------|----------|-------------------------|----------|----------|---------------------------|
| 312      | 820692   | Housing-Brush End     | 652A     | 820275   | Screw (Support Bracket) | 1201     | 820715   | Screw (Brush Cover)       |
| 314      | 820711   | Pulley-Alternator     | 668A     | 820713   | Spacer (Rotor Assembly) | 1202     | 820701   | Screw (Brush Retainer)    |
| 379      | 820703   | Cover-Brush           | 699      | 825390   | Rotor Assembly          | 1202A    | 820702   | Screw (Brush Retainer)    |
| 474      | 825084   | Alternator (40 Amp)   | 890B     | 820213   | Bracket-Support         | 1203     | 820702   | Screw (Stator Wire)       |
| 475      | 825385   | Rectifier             | 1010     | 825384   | Retainer-Bearing        | 1204     | 820705   | Nut (Alternator Pulley)   |
| 501      | 825388   | Regulator             | 1090A    | 825387   | Retainer-Brush          | 1205     | 820707   | Screw (Brush End Housing) |
| 526      | 820702   | Screw (Regulator)     | 1119     | 820483   | Screw (Alternator)      | 1206     | 820709   | Nut (Brush End Housing)   |
| 530      | 825383   | Housing-Drive End     | 1119A    | 820270   | Screw (Alternator)      | 1306     | 820781   | Nut (Rectifier)           |
| 606      | 820819   | Strap-Adjusting       | 1150     | 820023   | Screw (Adjusting Strap) | 1307     | 820690   | Stud (Drive End Housing)  |
| 636      | 820069   | Nut (Starting Switch) |          |          |                         |          |          |                           |

## Alternator, 40 AMP

| REF NO | PART NO | QTY | DESCRIPTION                   |
|--------|---------|-----|-------------------------------|
| 312    | 820692  |     | HOUSING, Brush End            |
| 314    | 820711  |     | PULLEY, Alternator            |
| 379    | 820703  |     | COVER, Brush                  |
| 474    | 825084  |     | ALTERNATOR<br>-(40 Amp)       |
| 475    | 825385  |     | RECTIFIER                     |
| 501    | 825388  |     | REGULATOR                     |
| 526    | 820702  |     | SCREW<br>-(Regulator)         |
| 530    | 825383  |     | HOUSING, Drive End            |
| 606    | 820819  |     | STRAP, Adjusting              |
| 636    | 820069  |     | NUT<br>-(Starting Switch)     |
| 652A   | 820275  |     | SCREW<br>-(Support Bracket)   |
| 668A   | 820713  |     | SPACER<br>-(Rotor Assembly)   |
| 699    | 825390  |     | ROTOR ASSEMBLY                |
| 890B   | 820213  |     | BRACKET, Support              |
| 1010   | 825384  |     | RETAINER, Bearing             |
| 1090A  | 825387  |     | RETAINER, Brush               |
| 1119   | 820483  |     | SCREW<br>-(Alternator)        |
| 1119A  | 820270  |     | SCREW<br>-(Alternator)        |
| 1150   | 820023  |     | SCREW<br>-(Adjusting Strap)   |
| 1201   | 820715  |     | SCREW<br>-(Brush Cover)       |
| 1202   | 820701  |     | SCREW<br>-(Brush Retainer)    |
| 1202A  | 820702  |     | SCREW<br>-(Brush Retainer)    |
| 1203   | 820702  |     | SCREW<br>-(Stator Wire)       |
| 1204   | 820705  |     | NUT<br>-(Alternator Pulley)   |
| 1205   | 820707  |     | SCREW<br>-(Brush End Housing) |
| 1206   | 820709  |     | NUT<br>-(Brush End Housing)   |
| 1306   | 820781  |     | NUT<br>-(Rectifier)           |
| 1307   | 820690  |     | STUD<br>-(Drive End Housing)  |



**AISAN  
MANUAL CHOKE**



**121 CARBURETOR  
OVERHAUL KIT**

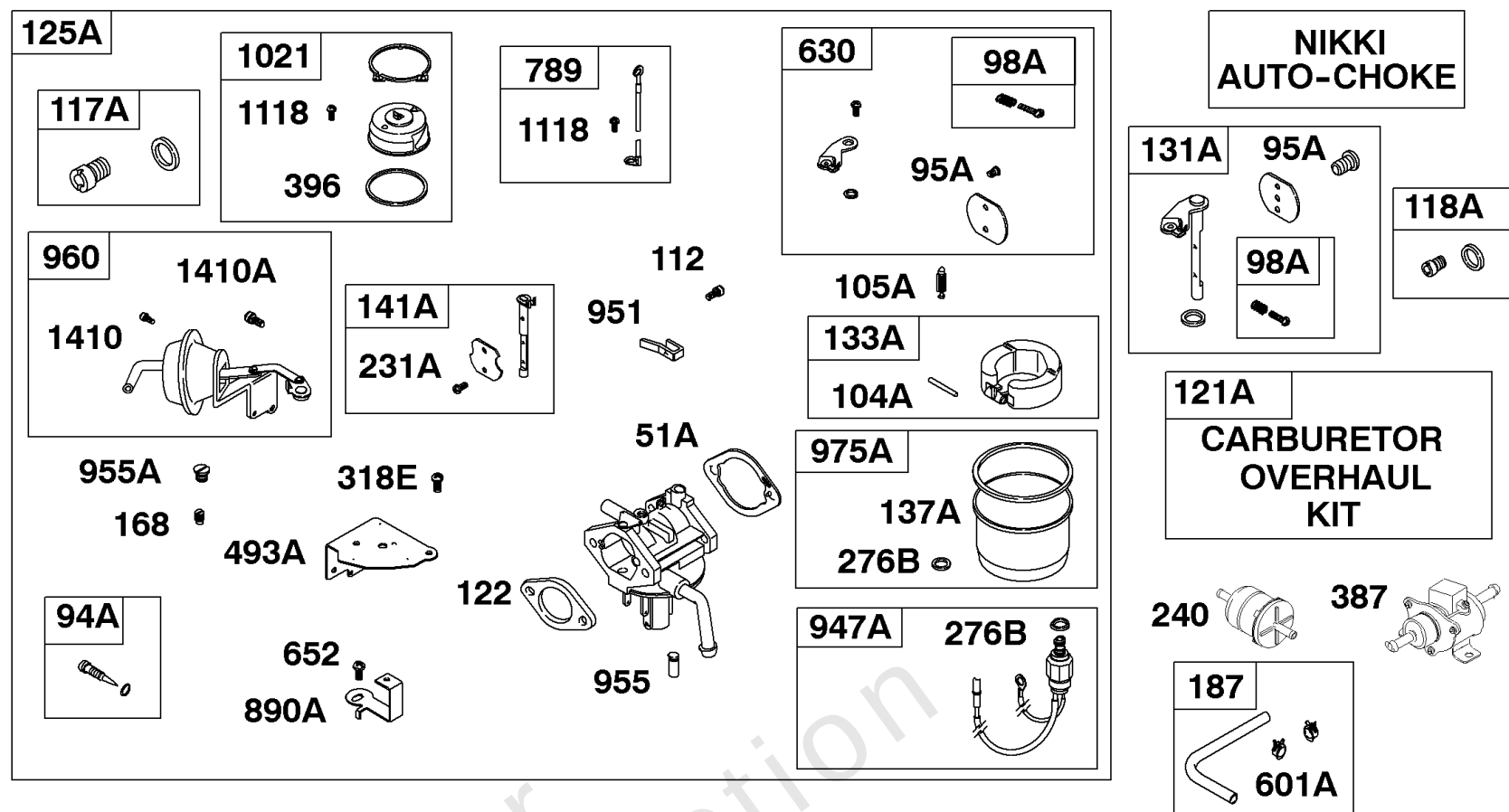


| REF. NO. | PART NO. | DESCRIPTION                                       | REF. NO. | PART NO. | DESCRIPTION                                                          | REF. NO. | PART NO. | DESCRIPTION            |
|----------|----------|---------------------------------------------------|----------|----------|----------------------------------------------------------------------|----------|----------|------------------------|
| 51A      | 820385   | Gasket-Intake                                     | 125      | 825121   | Carburetor<br>Used on Type No(s).<br>0115, 0215.                     | 187      | 825044   | Line-Fuel              |
| 72       | 820487   | Tube-Jet                                          |          |          |                                                                      | 231      | 820485   | Screw<br>(Choke Valve) |
| 93       |          | Bushing-Throttle Shaft<br>(Sold In Kit Only)      | 131      | 825244   | Kit-Throttle Shaft                                                   | 240      | 821026   | Filter-Fuel            |
| 94       | 825241   | Kit-Idle Mixture                                  | 133      | 825240   | Float-Carburetor                                                     | 254      | 820491   | Drain-Carburetor Bowl  |
| 95       | 820485   | Screw<br>(Throttle Valve)                         | 137      | 820489   | Gasket-Float Bowl                                                    | 276A     | 692343   | Washer-Sealing         |
| 98       | 825259   | Kit-Idle Speed                                    | 141      | 825243   | Kit-Choke Shaft                                                      | 387      | 825232   | Pump-Fuel              |
| 104      | 690739   | Pin-Float Hinge                                   | 142      | 821051   | Nozzle-Carburetor<br>(Used After Code Date<br>01073100).             | 601A     | 820006   | Clamp-Hose             |
| 105      | 820486   | Valve-Float Needle                                |          |          | ----- Note -----                                                     | 947      | 825377   | Solenoid-Fuel          |
| 117      | 820540   | Jet-Main<br>(Standard)                            |          |          | 820490 Nozzle-<br>Carburetor<br>(Used Before Code<br>Date 01080100). | 975      | 825239   | Bowl-Float             |
| 118      | 820488   | Jet-Main<br>(High Altitude)<br>(2,400-6,600 Feet) |          |          |                                                                      | 987      | 690734   | Seal-Throttle Shaft    |
| 121      | 825238   | Kit-Carburetor<br>Overhaul<br>(Aisan)             |          |          |                                                                      | 1091     | 691515   | Cap-Limiter            |
| 122      | 820082   | Spacer-Carburetor                                 |          |          |                                                                      |          |          |                        |



## Carburetor, AISAN Manual Choke

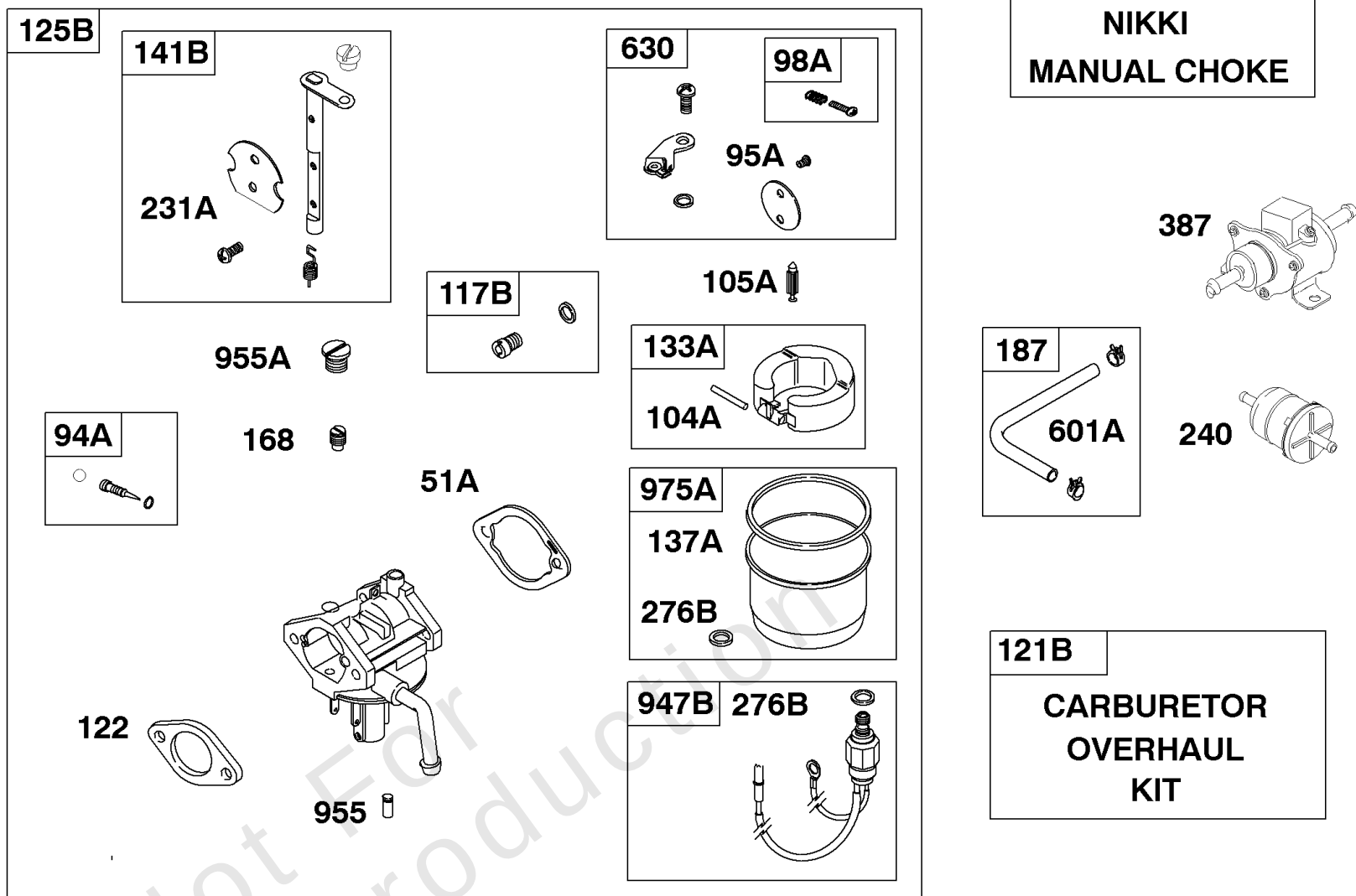
| REF NO | PART NO | QTY | DESCRIPTION                                                          |
|--------|---------|-----|----------------------------------------------------------------------|
| 51A    | 820385  |     | GASKET, Intake                                                       |
| 72     | 820487  |     | TUBE, Jet                                                            |
| 93     | -----   |     | Bushing-Throttle Shaft<br>-(Sold In Kit Only)                        |
| 94     | 825241  |     | KIT, Idle Mixture                                                    |
| 95     | 820485  |     | SCREW<br>-(Throttle Valve)                                           |
| 98     | 825259  |     | KIT, Idle Speed                                                      |
| 104    | 690739  |     | PIN, Float Hinge                                                     |
| 105    | 820486  |     | VALVE, Float Needle                                                  |
| 117    | 820540  |     | JET, Main<br>-(Standard)                                             |
| 118    | 820488  |     | JET, Main<br>-(High Altitude) (#102 2,400-6,600 Feet, Aisan)         |
| 121    | 825238  |     | KIT, Carburetor Overhaul<br>-(Aisan)                                 |
| 122    | 820082  |     | SPACER, Carburetor                                                   |
| 125    | 825121  |     | CARBURETOR                                                           |
| 131    | 825244  |     | KIT, Throttle Shaft                                                  |
| 133    | 825240  |     | FLOAT, Carburetor                                                    |
| 137    | 820489  |     | GASKET, Float Bowl                                                   |
| 141    | 825243  |     | KIT, Choke Shaft                                                     |
| 142    | 820490  |     | NOZZLE, Carburetor<br>-(Standard)<br>-Used Before Code Date 01080100 |
| 142    | 821051  |     | NOZZLE, Carburetor<br>-(Standard)<br>-Used After Code Date 01073100  |
| 187    | 825044  |     | LINE, Fuel                                                           |
| 231    | 820485  |     | SCREW<br>-(Choke Valve)                                              |
| 240    | 821026  |     | FILTER-FUEL                                                          |
| 254    | 820491  |     | DRAIN, Carburetor Bowl                                               |
| 276A   | 692343  |     | WASHER, Sealing                                                      |
| 387    | 825232  |     | PUMP, Fuel                                                           |
| 601A   | 820006  |     | CLAMP, Hose                                                          |
| 947    | 825377  |     | SOLENOID, Fuel                                                       |
| 975    | 825239  |     | BOWL, Float                                                          |
| 987    | 690734  |     | SEAL, Choke/Throttle Shaft                                           |
| 1091   | 691515  |     | CAP, Limiter                                                         |



| REF. NO. | PART NO. | DESCRIPTION            | REF. NO. | PART NO. | DESCRIPTION           | REF. NO. | PART NO. | DESCRIPTION        |
|----------|----------|------------------------|----------|----------|-----------------------|----------|----------|--------------------|
| 51A      | 820385   | Gasket-Intake          |          |          | 825468 Carburetor     | 652      | 820514   | Screw              |
| 94A      | 825374   | Kit-Idle Mixture       |          |          | Used on Type No(s).   |          |          | (Support Bracket)  |
| 95A      | 820504   | Screw                  |          |          | 0217, 0317.           | 789      | 825257   | Harness-Wiring     |
|          |          | (Throttle Valve)       |          |          | (Used Before Code     | 890A     | 820517   | Bracket-Support    |
| 98A      | 825250   | Kit-Idle Speed         |          |          | Date 01080100).       | 947A     | 825678   | Solenoid-Fuel      |
| 104A     | 693506   | Pin-Float Hinge        | 131A     | 825254   | Kit-Throttle Shaft    | 951      | 820509   | Lever-Choke        |
| 105A     | 820506   | Valve-Float Needle     |          |          | (Used Before Code     | 955      | 820510   | Plug-Carburetor    |
| 112      | 690718   | Screw                  |          |          | Date 98040100).       |          |          | (Slow Passage)     |
|          |          | (Choke Lever)          | 133A     | 825248   | Float-Carburetor      | 955A     | 820520   | Plug-Carburetor    |
| 117A     | 825291   | Jet-Main               | 137A     | 820508   | Gasket-Float Bowl     |          |          | (Jet)              |
|          |          | (Standard)             | 141A     | 825251   | Kit-Choke Shaft       | 960      | 825253   | Choke-Vacuum Break |
| 118A     | 825471   | Jet-Main               | 168      | 820603   | Jet-Idle Circuit      | 975A     | 825247   | Bowl-Float         |
|          |          | (High Altitude)        |          |          | (Used After Code Date | 1021     | 825252   | Activator-Choke    |
|          |          | (6,000 to 10,000 Feet) |          |          | 98033100).            | 1118     | 690718   | Screw              |
| 121A     | 825293   | Kit-Carburetor         | 187      | 825044   | Line-Fuel             |          |          | (Choke Activator)  |
|          |          | Overhaul               | 231A     | 820504   | Screw                 | 1410     | 820512   | Screw              |
|          |          | (Nikki)                |          |          | (Choke Valve)         |          |          | (Vacuum Choke      |
| 122      | 820082   | Spacer-Carburetor      | 240      | 821026   | Filter-Fuel           |          |          | Break)             |
| 125A     | 825280   | Carburetor             | 276B     | 820511   | Washer-Sealing        | 1410A    | 820513   | Screw              |
|          |          | Used on Type No(s).    | 318E     | 820512   | Screw                 |          |          | (Vacuum Choke      |
|          |          | 0116, 0216.            |          |          | (Mounting Bracket)    |          |          | Break)             |
|          |          | (Used After Code Date  | 387      | 825232   | Pump-Fuel             |          |          |                    |
|          |          | 98033100).             | 396      | 820515   | Gasket-Choke Cover    |          |          |                    |
|          |          | ----- Note -----       | 493A     | 820516   | Bracket-Mounting      |          |          |                    |
|          |          | 825633 Carburetor      | 601A     | 820006   | Clamp-Hose            |          |          |                    |
|          |          | Used on Type No(s).    | 630      | 825292   | Lever/Plate-Throttle  |          |          |                    |
|          |          | 0116.                  |          |          | (To Replace           |          |          |                    |
|          |          | (Used Before Code      |          |          | Throttle Shaft, Order |          |          |                    |
|          |          | Date 98040100).        |          |          | Corresponding         |          |          |                    |
|          |          |                        |          |          | Carburetor)           |          |          |                    |

## Carburetor, NIKKI Auto Choke

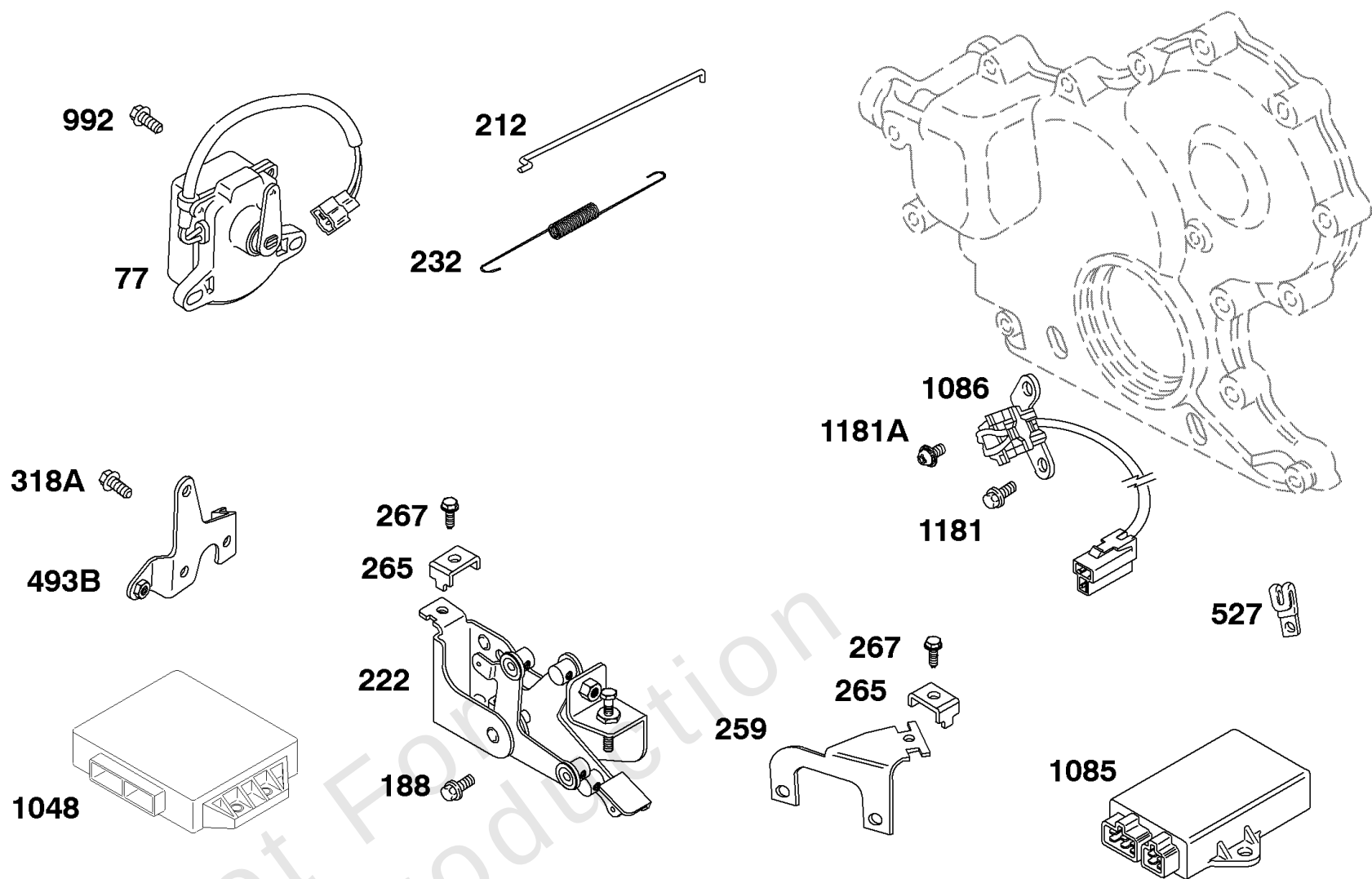
| REF NO | PART NO | QTY | DESCRIPTION                                                                           |
|--------|---------|-----|---------------------------------------------------------------------------------------|
| 51A    | 820385  |     | GASKET, Intake                                                                        |
| 94A    | 825374  |     | KIT, Idle Mixture                                                                     |
| 95A    | 820504  |     | SCREW<br>-(Throttle Valve)                                                            |
| 98A    | 825250  |     | KIT, Idle Speed                                                                       |
| 104A   | 693506  |     | PIN-FLOAT HINGE                                                                       |
| 105A   | 820506  |     | VALVE, Float Needle                                                                   |
| 112    | 690718  |     | SCREW<br>-(Choke Lever)                                                               |
| 117A   | 825291  |     | JET, Main<br>-(Standard)                                                              |
| 118A   | 825471  |     | JET, Main<br>-(High Altitude) (6,000-10,000 Feet)                                     |
| 121A   | 825293  |     | KIT, Carburetor Overhaul<br>-(Nikki)                                                  |
| 122    | 820082  |     | SPACER, Carburetor                                                                    |
| 131A   | 825254  |     | KIT, Throttle Shaft<br>-Used Before Code Date 98040100                                |
| 133A   | 825248  |     | FLOAT, Carburetor                                                                     |
| 137A   | 820508  |     | GASKET, Float Bowl                                                                    |
| 141A   | 825251  |     | KIT, Choke Shaft                                                                      |
| 168    | 820603  |     | JET, Idle Circuit<br>-Used After Code Date 98033100                                   |
| 187    | 825044  |     | LINE, Fuel                                                                            |
| 231A   | 820504  |     | SCREW<br>-(Choke Valve)                                                               |
| 240    | 821026  |     | FILTER-FUEL                                                                           |
| 276B   | 820511  |     | WASHER, Sealing                                                                       |
| 318E   | 820512  |     | SCREW<br>-(Mounting Bracket)                                                          |
| 387    | 825232  |     | PUMP, Fuel                                                                            |
| 396    | 820515  |     | GASKET, Choke Cover                                                                   |
| 493A   | 820516  |     | BRACKET, Mounting                                                                     |
| 601A   | 820006  |     | CLAMP, Hose                                                                           |
| 630    | 825292  |     | LEVER/PLATE, Throttle<br>-(To Replace Throttle Shaft, Order Corresponding Carburetor) |
| 652    | 820514  |     | SCREW<br>-(Support Bracket)                                                           |
| 789    | 825257  |     | HARNESS, Wiring                                                                       |
| 890A   | 820517  |     | BRACKET, Support                                                                      |
| 947A   | 825678  |     | SOLENOID, Fuel                                                                        |
| 951    | 820509  |     | LEVER, Choke                                                                          |
| 955    | 820510  |     | PLUG, Carburetor<br>-(Slow Passage)                                                   |
| 955A   | 820520  |     | PLUG, Carburetor<br>-(Jet)                                                            |
| 960    | 825253  |     | BREAK, Vacuum Choke                                                                   |
| 975A   | 825247  |     | BOWL, Float                                                                           |
| 1021   | 825252  |     | ACTIVATOR, Choke                                                                      |
| 1118   | 690718  |     | SCREW<br>-(Choke Activator)                                                           |
| 1410   | 820512  |     | SCREW<br>-(Vacuum Break Choke)                                                        |
| 1410A  | 820513  |     | SCREW<br>-(Vacuum Break Choke)                                                        |



| REF. NO. | PART NO. | DESCRIPTION                                                                       | REF. NO. | PART NO. | DESCRIPTION                                                                                  | REF. NO. | PART NO. | DESCRIPTION                                                                                                                                                                                                    |
|----------|----------|-----------------------------------------------------------------------------------|----------|----------|----------------------------------------------------------------------------------------------|----------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 51A      | 820385   | Gasket-Intake                                                                     | 133A     | 825248   | Float-Carburetor                                                                             | 947B     | 825677   | Solenoid-Fuel<br>(Used After Code Date 01073100).<br>Used on Type No(s). 0217, 0317.<br>----- Note -----<br>825678 Solenoid-Fuel<br>(Used Before Code Date 01080100).<br>Used on Type No(s). 0116, 0216, 0217. |
| 94A      | 825374   | Kit-Idle Mixture                                                                  | 137A     | 820508   | Gasket-Float Bowl                                                                            | 955      | 820510   | Plug-Carburetor<br>(Slow Passage)                                                                                                                                                                              |
| 95A      | 820504   | Screw<br>(Throttle Valve)                                                         | 141B     | 825613   | Kit-Choke Shaft                                                                              | 955A     | 820520   | Plug-Carburetor<br>(Jet)                                                                                                                                                                                       |
| 98A      | 825250   | Kit-Idle Speed                                                                    | 168      | 820603   | Jet-Idle Circuit<br>(Used After Code Date 98033100).                                         | 975A     | 825247   | Bowl-Float                                                                                                                                                                                                     |
| 104A     | 693506   | Pin-Float Hinge                                                                   | 187      | 825044   | Line-Fuel                                                                                    |          |          |                                                                                                                                                                                                                |
| 105A     | 820506   | Valve-Float Needle                                                                | 231A     | 820504   | Screw<br>(Choke Valve)                                                                       |          |          |                                                                                                                                                                                                                |
| 117B     | 825615   | Jet-Main<br>(Standard)                                                            | 240      | 821026   | Filter-Fuel                                                                                  |          |          |                                                                                                                                                                                                                |
| 121B     | 825441   | Kit-Carburetor<br>Overhaul<br>(Nikki)                                             | 276B     | 820511   | Washer-Sealing                                                                               |          |          |                                                                                                                                                                                                                |
| 122      | 820082   | Spacer-Carburetor                                                                 | 387      | 825232   | Pump-Fuel                                                                                    |          |          |                                                                                                                                                                                                                |
| 125B     | 825585   | Carburetor<br>Used on Type No(s). 0217, 0317.<br>(Used After Code Date 01073100). | 601A     | 820006   | Clamp-Hose                                                                                   |          |          |                                                                                                                                                                                                                |
|          |          |                                                                                   | 630      | 825292   | Lever/Plate-Throttle<br>(To Replace<br>Throttle Shaft,<br>Order Corresponding<br>Carburetor) |          |          |                                                                                                                                                                                                                |

## Carburetor, NIKKI Manual Choke

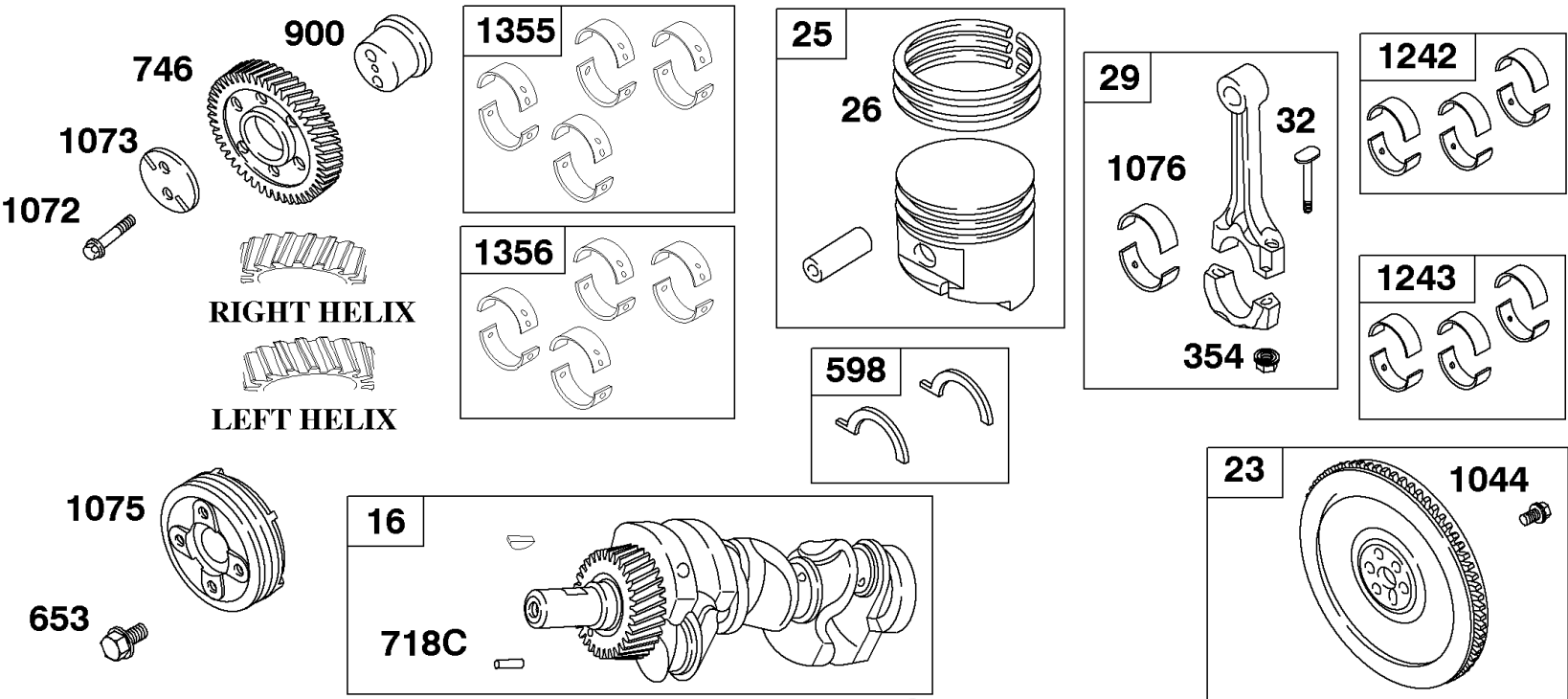
| REF NO | PART NO | QTY | DESCRIPTION                                                                           |
|--------|---------|-----|---------------------------------------------------------------------------------------|
| 51A    | 820385  |     | GASKET, Intake                                                                        |
| 94A    | 825374  |     | KIT, Idle Mixture                                                                     |
| 95A    | 820504  |     | SCREW<br>-(Throttle Valve)                                                            |
| 98A    | 825250  |     | KIT, Idle Speed                                                                       |
| 104A   | 693506  |     | PIN-FLOAT HINGE                                                                       |
| 105A   | 820506  |     | VALVE, Float Needle                                                                   |
| 117B   | 825615  |     | JET, Main<br>-(Standard)                                                              |
| 121B   | 825441  |     | KIT, Carburetor Overhaul<br>-(Nikki)                                                  |
| 122    | 820082  |     | SPACER, Carburetor                                                                    |
| 133A   | 825248  |     | FLOAT, Carburetor                                                                     |
| 137A   | 820508  |     | GASKET, Float Bowl                                                                    |
| 141B   | 825613  |     | KIT, Choke Shaft                                                                      |
| 168    | 820603  |     | JET, Idle Circuit<br>-Used After Code Date 98033100                                   |
| 187    | 825044  |     | LINE, Fuel                                                                            |
| 231A   | 820504  |     | SCREW<br>-(Choke Valve)                                                               |
| 240    | 821026  |     | FILTER-FUEL                                                                           |
| 276B   | 820511  |     | WASHER, Sealing                                                                       |
| 387    | 825232  |     | PUMP, Fuel                                                                            |
| 601A   | 820006  |     | CLAMP, Hose                                                                           |
| 630    | 825292  |     | LEVER/PLATE, Throttle<br>-(To Replace Throttle Shaft, Order Corresponding Carburetor) |
| 955    | 820510  |     | PLUG, Carburetor<br>-(Slow Passage)                                                   |
| 955A   | 820520  |     | PLUG, Carburetor<br>-(Jet)                                                            |
| 975A   | 825247  |     | BOWL, Float                                                                           |



| REF. NO. | PART NO. | DESCRIPTION                                                                             | REF. NO. | PART NO. | DESCRIPTION                                                                                                       | REF. NO. | PART NO. | DESCRIPTION                 |
|----------|----------|-----------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------------------------------------|----------|----------|-----------------------------|
| 77       | 820209   | Motor-Servo                                                                             | 265      | 691024   | Clamp-Casing                                                                                                      | 1085     | 821082   | Module-Ignition             |
| 188      | 820878   | Screw<br>(Control Bracket)                                                              | 267      | 820012   | Screw<br>(Casing Clamp)                                                                                           | 1086     | 825009   | Trigger-Ignition            |
| 212      | 820226   | Link-Throttle                                                                           | 318A     | 820034   | Screw<br>(Mounting Bracket)                                                                                       | 1181     | 820029   | Screw<br>(Ignition Trigger) |
| 222      | 825062   | Bracket-Control<br>(Used Before Code<br>Date 98030100).<br>Used on Type No(s).<br>0116. | 493B     | 820876   | Bracket-Mounting                                                                                                  | 1181A    | 820013   | Screw<br>(Ignition Trigger) |
| 232      | 820227   | Spring-Governor Link                                                                    | 527      | 820047   | Clamp-Tube                                                                                                        |          |          |                             |
| 259      | 820224   | Bracket-Casing Clamp<br>Used on Type No(s).<br>0115, 0215, 0217,<br>0317.               | 992      | 820228   | Screw<br>(Servo Motor)                                                                                            |          |          |                             |
|          |          |                                                                                         | 1048     | 825284   | Module-Electronic<br>Governor<br>(Diode and<br>Instructions Included)<br>Used on Type No(s).<br>0216, 0217, 0317. |          |          |                             |

### ***Control Bracket, Modules, Tigger Ignition***

| REF NO | PART NO | QTY | DESCRIPTION                  |
|--------|---------|-----|------------------------------|
| 77     | 820209  |     | MOTOR, Servo                 |
| 188    | 820878  |     | SCREW<br>-(Control Bracket)  |
| 212    | 820226  |     | LINK, Throttle               |
| 232    | 820227  |     | SPRING/LINK, Governor        |
| 259    | 820224  |     | BRACKET, Casing Clamp        |
| 265    | 691024  |     | CLAMP, Casing                |
| 267    | 820012  |     | SCREW<br>-(Casing Clamp)     |
| 318A   | 820034  |     | SCREW<br>-(Mounting Bracket) |
| 493B   | 820876  |     | BRACKET, Mounting            |
| 527    | 820047  |     | CLAMP, Hose                  |
| 992    | 820228  |     | SCREW<br>-(Servo Motor)      |
| 1085   | 821082  |     | MODULE, Ignition             |
| 1086   | 825009  |     | TRIGGER, Ignition            |
| 1181   | 820029  |     | SCREW<br>-(Ignition Trigger) |
| 1181A  | 820013  |     | SCREW<br>-(Ignition Trigger) |

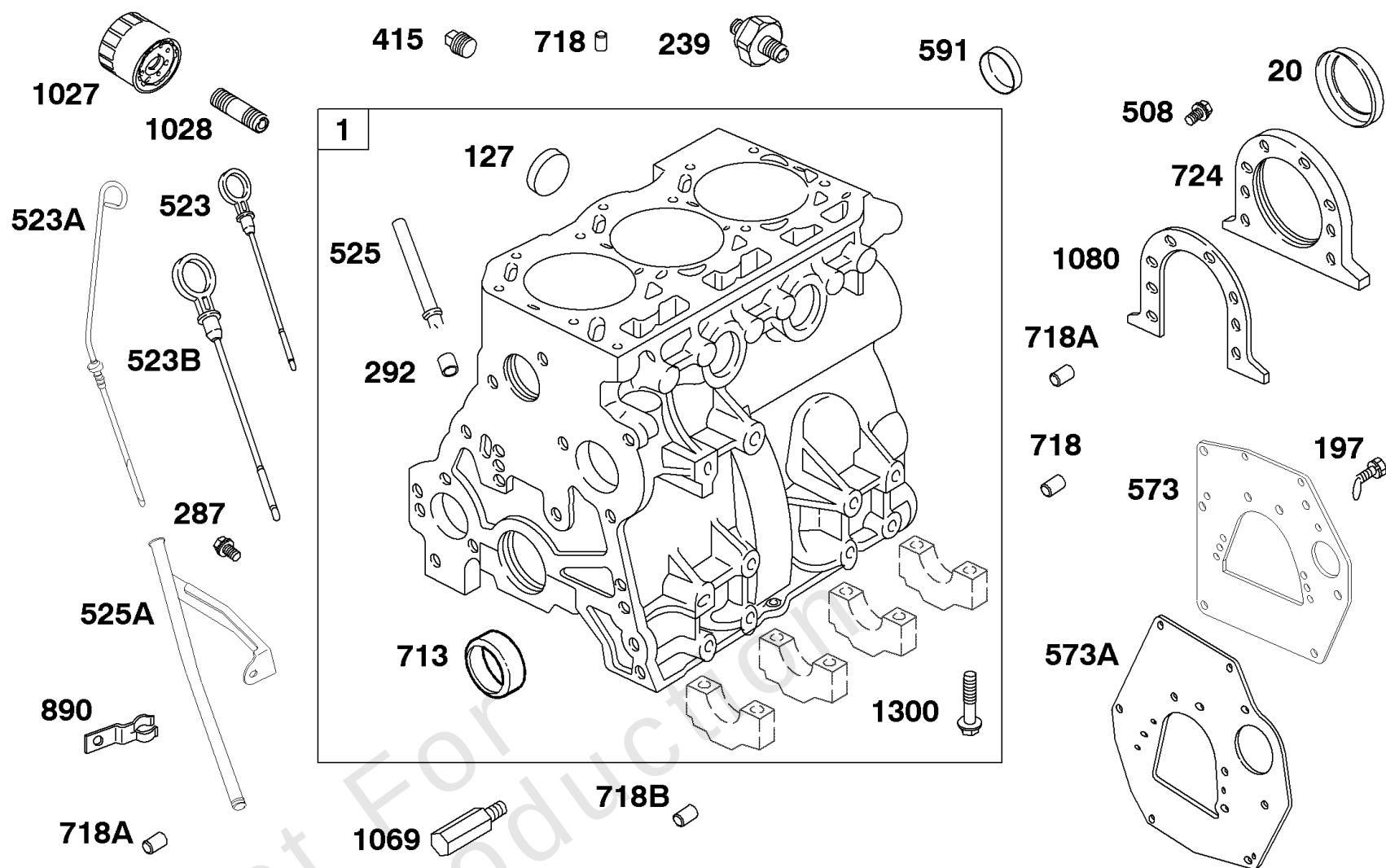


| REF. NO. | PART NO. | DESCRIPTION                                                                                                                                                                                                                              | REF. NO. | PART NO. | DESCRIPTION                                                                                                                                                                 | REF. NO. | PART NO. | DESCRIPTION                                                            |
|----------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------------------------------------------------------------|
| 16       | 825345   | Crankshaft<br>(Used After Code Date 98123100).<br>Used on Type No(s). 0115, 0116, 0215, 0216, 0217, 0317.<br>----- <b>Note</b> -----<br><b>825016</b> Crankshaft<br>(Used Before Code Date 99010100).<br>Used on Type No(s). 0115, 0116. | 29       | 825033   | Rod-Connecting                                                                                                                                                              | 900      | 820116   | Shaft-Gear                                                             |
|          |          |                                                                                                                                                                                                                                          | 32       | 820128   | Screw<br>(Connecting Rod)                                                                                                                                                   | 1044     | 820080   | Screw<br>(Flywheel)                                                    |
|          |          |                                                                                                                                                                                                                                          | 354      | 820073   | Nut<br>(Connecting Rod)                                                                                                                                                     | 1072     | 820081   | Screw<br>(Idler Gear Plate)                                            |
|          |          |                                                                                                                                                                                                                                          | 598      | 821295   | Shim-Endplay<br>(Standard)                                                                                                                                                  | 1073     | 820117   | Plate-Idler Gear                                                       |
|          |          |                                                                                                                                                                                                                                          |          |          | ----- <b>Note</b> -----<br><b>821297</b> Shim-Endplay<br>(.010" Oversize)                                                                                                   | 1075     | 820236   | Pulley-Crankshaft<br>(4 Bolt)                                          |
|          |          |                                                                                                                                                                                                                                          | 653      | 820079   | Screw<br>(Crankshaft Pulley)                                                                                                                                                |          |          | ----- <b>Note</b> -----<br><b>820123</b> Pulley-Crankshaft<br>(3 Bolt) |
| 23       | 825303   | Flywheel<br>(Black)<br>Used on Type No(s). 0116, 0216, 0217, 0317.<br>----- <b>Note</b> -----<br><b>825302</b> Flywheel<br>Used on Type No(s). 0115, 0215.                                                                               | 718C     | 820059   | Pin-Locating<br>(Crankshaft)                                                                                                                                                | 1076     | 820142   | Bearing/STD-Rod                                                        |
|          |          |                                                                                                                                                                                                                                          | 746      | 820611   | Gear-Idler<br>(Left Helix)<br>(Used After Code Date 98123100).<br>----- <b>Note</b> -----<br><b>825013</b> Gear-Idler<br>(Right Helix)<br>(Used Before Code Date 99010100). | 1242     | 825019   | Bearing Set/STD-Rod                                                    |
| 25       | 825038   | Piston Assembly<br>(Standard)<br>----- <b>Note</b> -----<br><b>825018</b> Piston Assembly<br>(.010" Oversize)                                                                                                                            |          |          |                                                                                                                                                                             | 1243     | 825060   | Bearing Set/010"-Rod                                                   |
| 26       | 825091   | Ring Set<br>(Standard)<br>----- <b>Note</b> -----<br><b>825092</b> Ring Set<br>(.010" Oversize)                                                                                                                                          |          |          |                                                                                                                                                                             | 1355     | 825040   | Bearing Set/STD-Main                                                   |
|          |          |                                                                                                                                                                                                                                          |          |          |                                                                                                                                                                             | 1356     | 825039   | Bearing Set/010"-Main                                                  |



## ***Crankshaft, Piston, Rings, Flywheel***

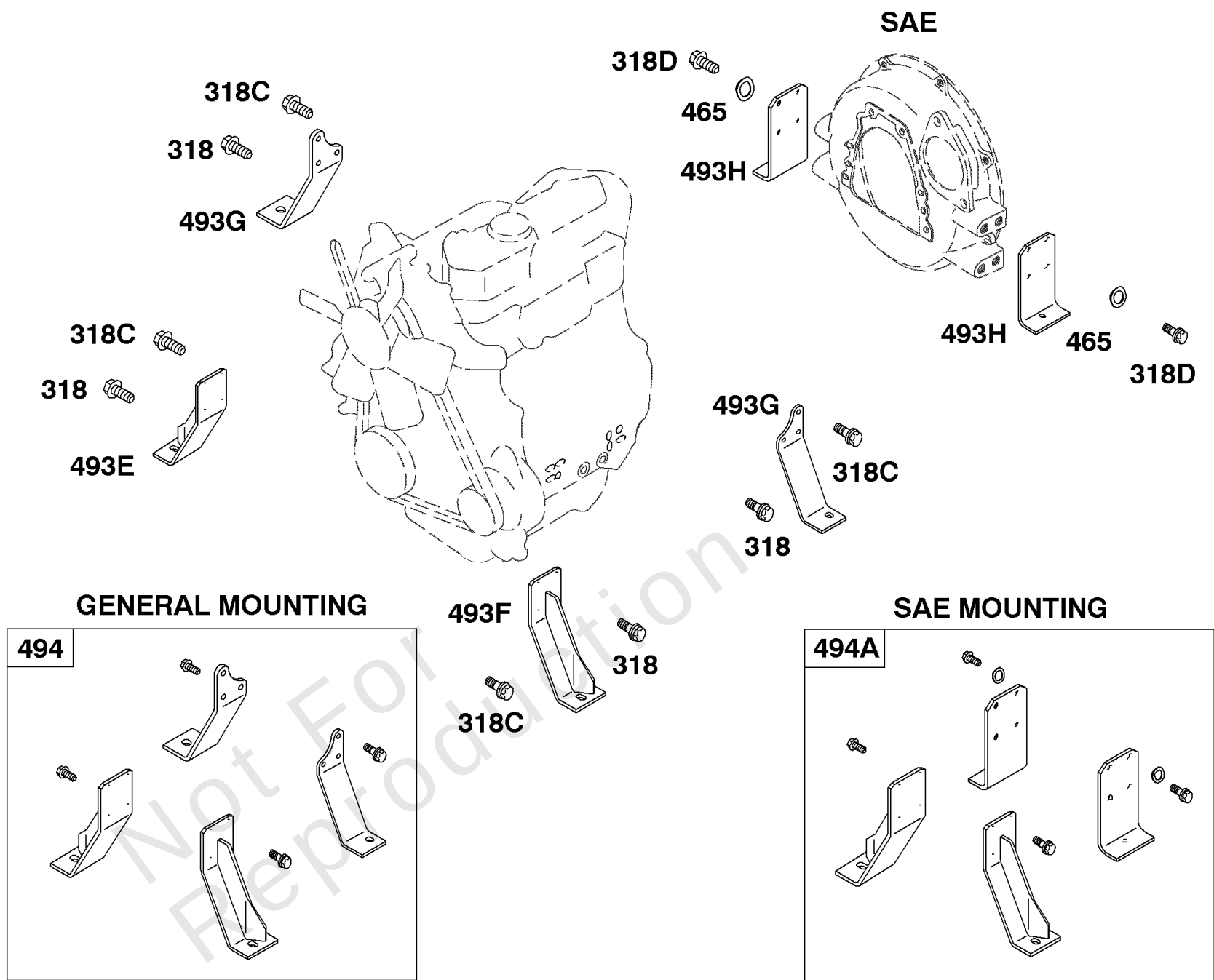
| REF NO | PART NO | QTY | DESCRIPTION                                                         |
|--------|---------|-----|---------------------------------------------------------------------|
| 16     | 825016  |     | CRANKSHAFT<br>-Used Before Code Date 99010100                       |
| 16     | 825345  |     | CRANKSHAFT<br>-Used After Code Date 98123100                        |
| 23     | 825302  |     | FLYWHEEL                                                            |
| 25     | 825018  |     | PISTON ASSEMBLY<br>-(.010 Oversize)                                 |
| 25     | 825038  |     | PISTON ASSEMBLY<br>-(Standard)                                      |
| 26     | 825091  |     | SET, Ring<br>-(Standard)                                            |
| 26     | 825092  |     | SET, Ring<br>-(.010 Oversize)                                       |
| 29     | 825033  |     | ROD, Connecting                                                     |
| 32     | 820128  |     | SCREW<br>-(Connecting Rod)                                          |
| 354    | 820073  |     | NUT<br>-(Connecting Rod)                                            |
| 598    | 821297  |     | SHIM, End Play<br>-(Crankshaft or Camshaft Bearing) (.010 Oversize) |
| 598    | 821295  |     | SHIM, End Play<br>-(Crankshaft or Camshaft Bearing) (Standard)      |
| 653    | 820079  |     | SCREW<br>-(Crankshaft Pulley)                                       |
| 718C   | 820059  |     | PIN, Locating<br>-(Crankshaft)                                      |
| 746    | 820611  |     | GEAR, Idler<br>-(Left Helix)<br>-Used After Code Date 99063000      |
| 746    | 825013  |     | GEAR, Idler<br>-(Right Helix)<br>-Used Before Code Date 99010100    |
| 900    | 820116  |     | SHAFT, Gear                                                         |
| 1044   | 820080  |     | SCREW<br>-(Flywheel)                                                |
| 1072   | 820081  |     | SCREW<br>-(Idle Gear Plate)                                         |
| 1073   | 820117  |     | PLATE, Idle Gear                                                    |
| 1075   | 820123  |     | PULLEY, Crankshaft<br>-(3 Bolt)                                     |
| 1075   | 820236  |     | PULLEY, Crankshaft<br>-(4 Bolt)                                     |
| 1076   | 820142  |     | SET, Rod Bearing, Standard                                          |
| 1242   | 825019  |     | SET, Rod Bearing, Standard                                          |
| 1243   | 825060  |     | SET, Rod Bearing, 010                                               |
| 1355   | 825040  |     | SET, Main Bearing, Standard                                         |
| 1356   | 825039  |     | SET, Main Bearing, 010                                              |



| REF. NO. | PART NO. | DESCRIPTION                                                                                                                                                            | REF. NO. | PART NO. | DESCRIPTION           | REF. NO. | PART NO. | DESCRIPTION                     |
|----------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|-----------------------|----------|----------|---------------------------------|
| 1        | 825333   | Cylinder Assembly (9mm Head Bolts) (Used After Code Date 98123100).<br>----- Note -----<br>825027 Cylinder Assembly (8mm Head Bolts) (Used Before Code Date 99010100). | 239      | 821135   | Switch-Oil Pressure   | 591      | 821069   | Plug-Camshaft                   |
|          |          |                                                                                                                                                                        | 287      | 820273   | Screw (Dipstick Tube) | 713      | 821299   | Bushing-Camshaft                |
|          |          |                                                                                                                                                                        | 292      | 820662   | Collar-Dipstick Tube  | 718      | 820063   | Pin-Locating                    |
|          |          |                                                                                                                                                                        | 415      | 820051   | Plug (Cylinder)       | 718A     | 820062   | Pin-Locating                    |
|          |          |                                                                                                                                                                        | 573      | 820283   | Plate-Back            | 718B     | 820061   | Pin-Locating                    |
| 20       | 821073   | Seal-Oil (PTO Side)                                                                                                                                                    | 573A     | 820170   | Plate-Back            | 724      | 820146   | Retainer-Seal                   |
| 127      | 820004   | Plug-Welch                                                                                                                                                             | 508      | 820031   | Screw (Seal Retainer) | 890      | 820238   | Bracket-Support (Dipstick Tube) |
| 197      | 820176   | Screw (Back Plate)                                                                                                                                                     | 523      | 821158   | Dipstick              | 1027     | 491056   | Filter-Oil                      |
|          |          |                                                                                                                                                                        | 523A     | 820572   | Dipstick              | 1028     | 820851   | Adapter-Oil Filter              |
|          |          |                                                                                                                                                                        | 523B     | 820646   | Dipstick              | 1069     | 820102   | Nozzle-Oil                      |
|          |          |                                                                                                                                                                        | 525      | 820144   | Tube-Dipstick         | 1080     | 820145   | Gasket-Seal Retainer            |
|          |          |                                                                                                                                                                        | 525A     | 820652   | Tube-Dipstick         | 1300     | 820042   | Screw (Crankshaft Bearing Cap)  |

## Cylinder, Oil Filter, Back Plates, Dipsticks

| REF NO | PART NO | QTY | DESCRIPTION                                                                |
|--------|---------|-----|----------------------------------------------------------------------------|
| 1      | 825027  |     | CYLINDER ASSEMBLY<br>-(8 mm Head Bolts)<br>-Used Before Code Date 99010100 |
| 1      | 825333  |     | CYLINDER ASSEMBLY<br>-(9 mm Head Bolts)<br>-Used After Code Date 98123100  |
| 20     | 821073  |     | SEAL, Oil<br>-(PTO Side)                                                   |
| 127    | 820004  |     | PLUG, Welch                                                                |
| 197    | 820176  |     | SCREW<br>-(Back Plate)                                                     |
| 239    | 821135  |     | SWITCH, Oil Pressure                                                       |
| 287    | 820273  |     | SCREW<br>-(Dipstick Tube)                                                  |
| 292    | 820662  |     | COLLAR, Dipstick Tube                                                      |
| 415    | 820051  |     | PLUG<br>-(Cylinder)                                                        |
| 508    | 820031  |     | SCREW<br>-(Seal Retainer)                                                  |
| 523    | 821158  |     | DIPSTICK                                                                   |
| 523A   | 820572  |     | DIPSTICK                                                                   |
| 523B   | 820646  |     | DIPSTICK                                                                   |
| 525    | 820144  |     | TUBE, Dipstick                                                             |
| 525A   | 820652  |     | TUBE, Dipstick                                                             |
| 573    | 820283  |     | PLATE, Back                                                                |
| 573A   | 820170  |     | PLATE, Back                                                                |
| 591    | 821069  |     | PLUG, Camshaft                                                             |
| 713    | 821299  |     | BUSHING, Camshaft                                                          |
| 718    | 820063  |     | PIN, Locating                                                              |
| 718A   | 820062  |     | PIN, Locating                                                              |
| 718B   | 820061  |     | PIN, Locating                                                              |
| 724    | 820146  |     | RETAINER, Seal                                                             |
| 890    | 820238  |     | BRACKET, Support<br>-(Dipstick Tube)                                       |
| 1027   | 491056  |     | FILTER-OIL<br>-(3-1/4)                                                     |
| 1028   | 820851  |     | ADAPTER, Oil Filter                                                        |
| 1069   | 820102  |     | NOZZLE, Oil                                                                |
| 1080   | 820145  |     | GASKET, Seal Retainer                                                      |
| 1300   | 820042  |     | SCREW<br>-(Crankshaft Bearing Cap)                                         |

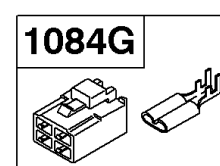
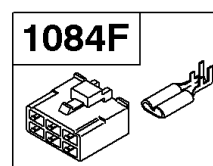
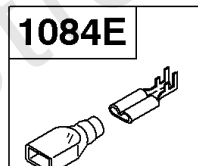
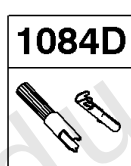
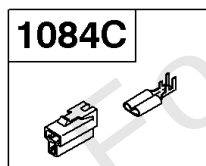
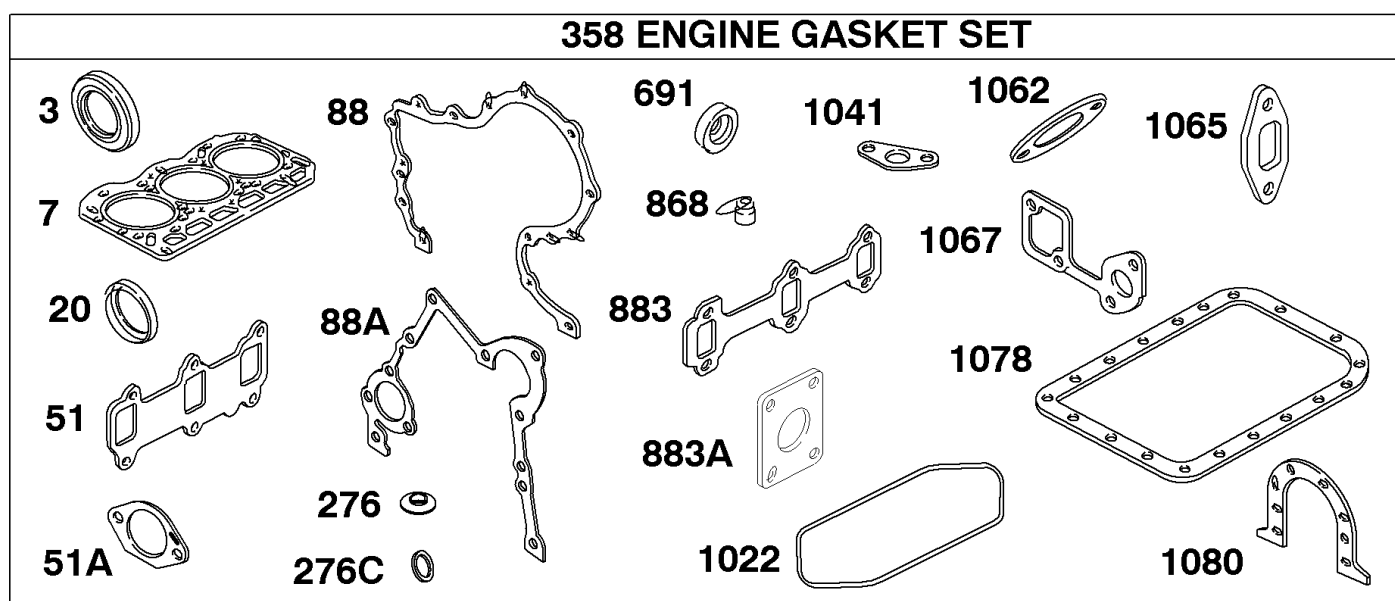
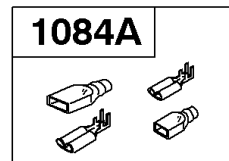


| REF. NO. | PART NO. | DESCRIPTION                                                                                            | REF. NO. | PART NO. | DESCRIPTION                                            | REF. NO. | PART NO. | DESCRIPTION                        |
|----------|----------|--------------------------------------------------------------------------------------------------------|----------|----------|--------------------------------------------------------|----------|----------|------------------------------------|
| 318      | 820024   | Screw<br>(Mounting Bracket)<br>(Used With Engine Mounts Only)                                          | 465      | 820449   | Washer<br>(Mounting Bracket)                           | 494      | 825214   | Mount-Engine<br>(General Mounting) |
| 318C     | 820023   | Screw<br>(Mounting Bracket)<br>(Use Only When Front Engine Mounts And Radiator Brackets Are Installed) | 493E     | 820835   | Bracket-Mounting<br>(Front Right)<br>(General and SAE) | 494A     | 825215   | Mount-Engine<br>(SAE Mounting)     |
| 318D     | 820306   | Screw<br>(Mounting Bracket)                                                                            | 493F     | 820832   | Bracket-Mounting<br>(Front Left)<br>(General and SAE)  |          |          |                                    |
|          |          |                                                                                                        | 493G     | 820833   | Bracket-Mounting<br>(Rear General)                     |          |          |                                    |
|          |          |                                                                                                        | 493H     | 820834   | Bracket-Mounting<br>(Rear SAE)                         |          |          |                                    |

## Engine Mounting Kits

| REF NO | PART NO | QTY | DESCRIPTION                                                                                          |
|--------|---------|-----|------------------------------------------------------------------------------------------------------|
| 318    | 820024  |     | SCREW<br>-(Mounting Bracket)                                                                         |
| 318C   | 820023  |     | SCREW<br>-(Mounting Bracket) (Use Only When Front Engine Mounts And Radiator Brackets Are Installed) |
| 318D   | 820306  |     | SCREW<br>-(Mounting Bracket)                                                                         |
| 465    | 820449  |     | WASHER<br>-(Mounting Bracket)                                                                        |
| 493E   | 820835  |     | BRACKET, Mounting<br>-(Right Front)(General and SAE)                                                 |
| 493F   | 820832  |     | BRACKET, Mounting<br>-(Left Front)(General and SAE)                                                  |
| 493G   | 820833  |     | BRACKET, Mounting<br>-(Rear General)                                                                 |
| 493H   | 820834  |     | BRACKET, Mounting<br>-(Rear SAE)                                                                     |
| 494    | 825214  |     | MOUNT, Engine<br>-(General Mounting)                                                                 |
| 494A   | 825215  |     | MOUNT, Engine<br>-(SAE Mounting)                                                                     |

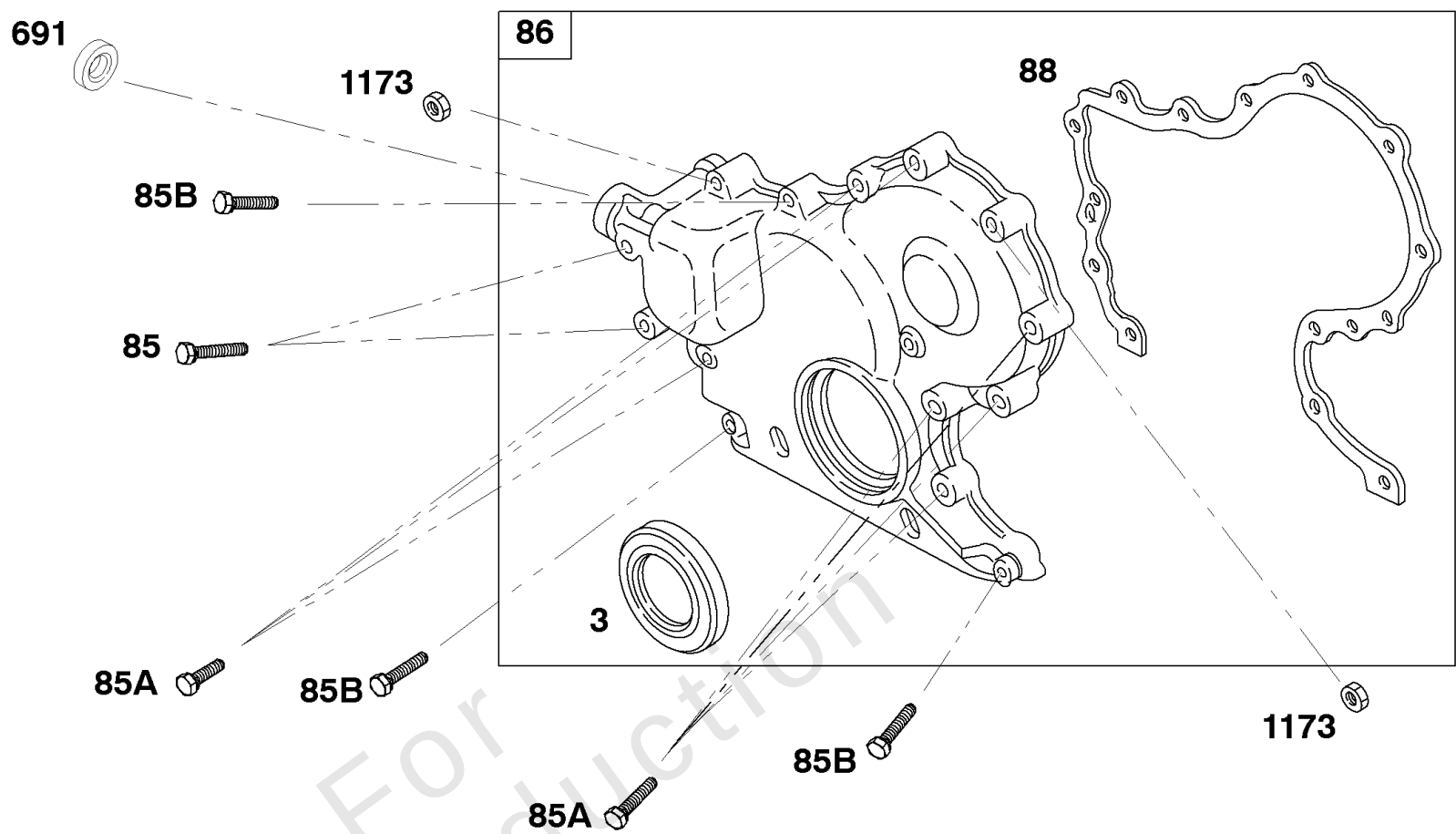
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## Engine/Valve Gasket Sets, Terminal Connectors

| REF NO | PART NO | QTY | DESCRIPTION                                |
|--------|---------|-----|--------------------------------------------|
| 3      | 821071  |     | SEAL, Oil<br>-(Magneto Side)               |
| 7      | 820650  |     | GASKET, Cylinder Head                      |
| 20     | 821073  |     | SEAL, Oil<br>-(PTO Side)                   |
| 51     | 820087  |     | GASKET, Intake<br>-(Intake Manifold)       |
| 51A    | 820385  |     | GASKET, Intake                             |
| 88     | 820148  |     | GASKET, Gear Cover/Housing                 |
| 88A    | 820155  |     | GASKET, Gear Cover/Housing                 |
| 276    | 820064  |     | WASHER, Sealing<br>-(Rocker Cover)         |
| 276C   | 820049  |     | WASHER, Sealing<br>-(12 mm )               |
| 276C   | 820582  |     | WASHER, Sealing<br>-(Oil Drain Plug)(16mm) |
| 358    | 825378  |     | GASKET SET, Engine                         |
| 868    | 820041  |     | SEAL, Valve                                |
| 883    | 820817  |     | GASKET, Exhaust<br>-(Exhaust Manifold)     |
| 883A   | 821001  |     | GASKET, Exhaust<br>-(Muffler)              |
| 1022   | 820150  |     | GASKET, Rocker Cover                       |
| 1041   | 820104  |     | GASKET, Oil Pump Screen                    |
| 1062   | 820093  |     | GASKET, Outlet Housing                     |
| 1065   | 820098  |     | GASKET, Inlet Housing                      |
| 1067   | 820100  |     | GASKET, Water Pump                         |
| 1078   | 820137  |     | GASKET, Oil Pan                            |
| 1080   | 820145  |     | GASKET, Seal Retainer                      |
| 1084   | 825154  |     | CONNECTOR, Terminal                        |
| 1084A  | 825155  |     | CONNECTOR, Terminal                        |
| 1084F  | 825162  |     | CONNECTOR, Terminal                        |
| 1084G  | 825163  |     | CONNECTOR, Terminal                        |
| 1084B  | 825156  |     | CONNECTOR, Terminal                        |
| 1084C  | 825157  |     | CONNECTOR-TERMINAL                         |
| 1084D  | 825158  |     | CONNECTOR, Terminal                        |
| 1084E  | 825160  |     | CONNECTOR, Terminal                        |
| 1095   | 825379  |     | GASKET SET, Valve                          |

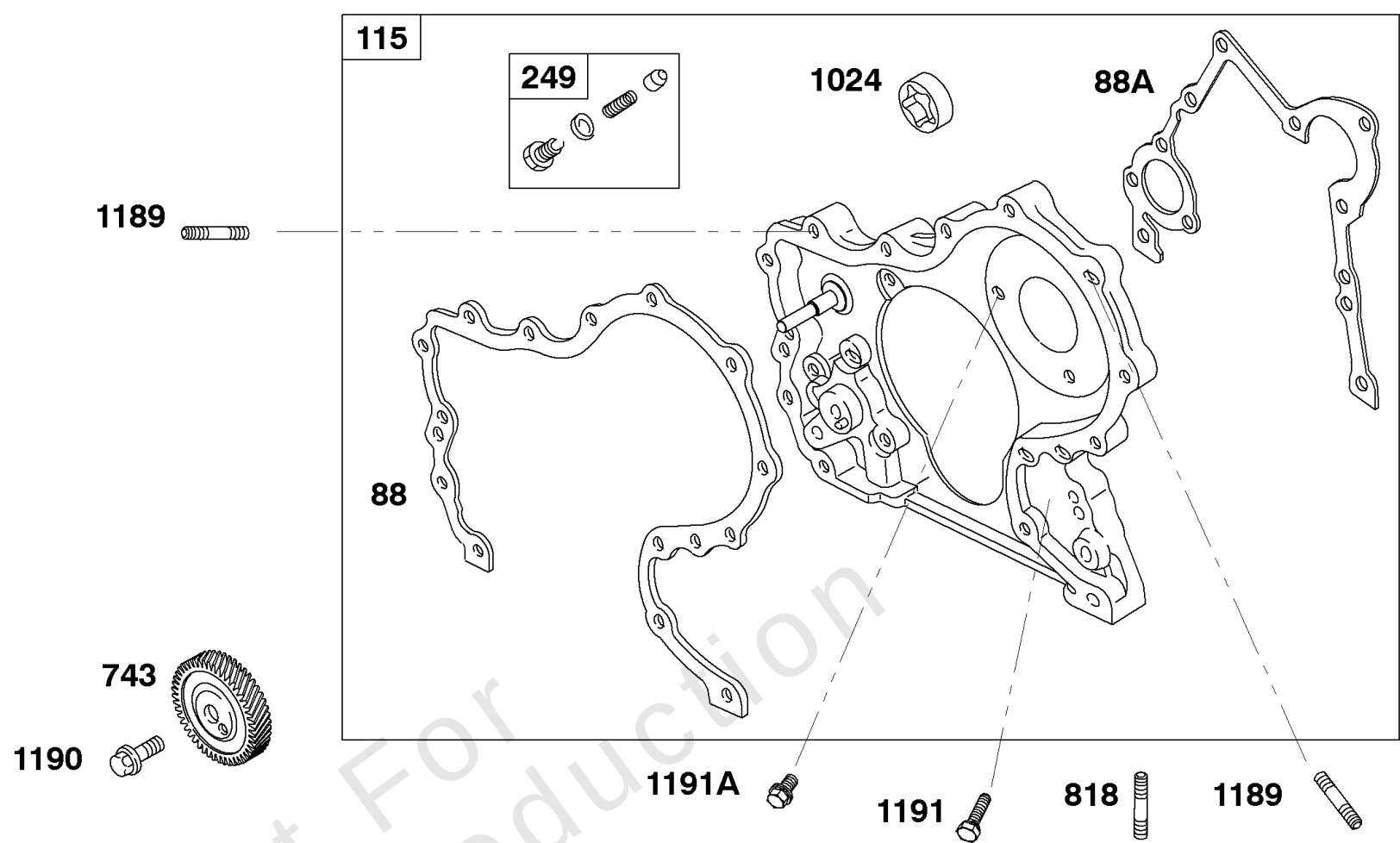


| REF. NO. | PART NO. | DESCRIPTION                                  | REF. NO. | PART NO. | DESCRIPTION                                                                                                                                                                                                                        | REF. NO. | PART NO. | DESCRIPTION                                                                           |
|----------|----------|----------------------------------------------|----------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|---------------------------------------------------------------------------------------|
| 3        | 821071   | Seal-Oil<br>(Magneto Side)                   | 86       | 825119   | Cover-Gear<br>(Used After Code Date 98033100).<br>Used on Type No(s). 0115, 0116, 0215, 0216, 0217, 0317.<br>----- <b>Note</b> -----<br><b>825046</b> Cover-Gear<br>(Used Before Code Date 98040100).<br>Used on Type No(s). 0116. | 88       | 820148   | Gasket-Gear<br>Reduction Cover                                                        |
| 85       | 820026   | Screw<br>(Gear Cover to Gear Reduction Case) |          |          |                                                                                                                                                                                                                                    | 691      | 820054   | Seal-Governor Shaft<br>(Used Before Code Date 98040100).<br>Used on Type No(s). 0116. |
| 85A      | 820029   | Screw<br>(Gear Cover to Gear Reduction Case) |          |          |                                                                                                                                                                                                                                    | 1173     | 820069   | Nut<br>(Gear Cover)                                                                   |
| 85B      | 820027   | Screw<br>(Gear Cover to Gear Reduction Case) |          |          |                                                                                                                                                                                                                                    |          |          |                                                                                       |



## ***Gear Cover***

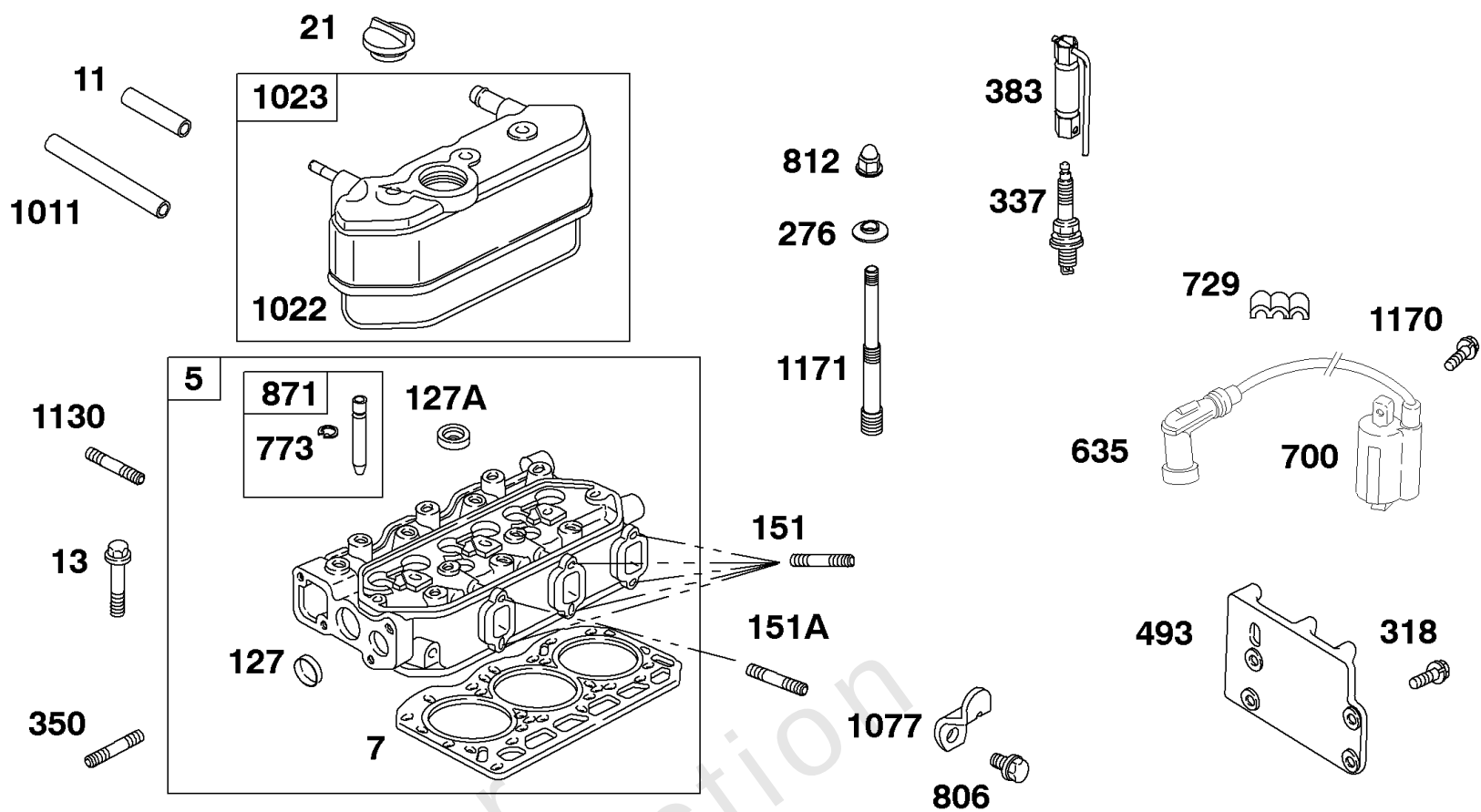
| REF NO | PART NO | QTY | DESCRIPTION                                   |
|--------|---------|-----|-----------------------------------------------|
| 3      | 821071  |     | SEAL, Oil<br>-(Magneto Side)                  |
| 85     | 820026  |     | SCREW<br>-(Gear Cover to Gear Reduction Case) |
| 85A    | 820029  |     | SCREW<br>-(Gear Cover to Gear Reduction Case) |
| 85B    | 820027  |     | SCREW<br>-(Gear Cover to Gear Reduction Case) |
| 86     | 825119  |     | COVER, Gear<br>-Used After Code Date 98033100 |
| 88     | 820148  |     | GASKET, Gear Cover/Housing                    |
| 1173   | 820069  |     | NUT<br>-(Gear Cover)                          |



| REF. NO. | PART NO. | DESCRIPTION                                                                                           | REF. NO.         | PART NO. | DESCRIPTION                                 | REF. NO. | PART NO. | DESCRIPTION                                         |
|----------|----------|-------------------------------------------------------------------------------------------------------|------------------|----------|---------------------------------------------|----------|----------|-----------------------------------------------------|
| 88       | 820148   | Gasket-Gear Reduction Cover                                                                           | 249              | 825032   | Valve-Pressure Relief                       | 1024     |          | Pump-Oil (Sold in Gear Housing Only, Reference 115) |
| 88A      | 820155   | Gasket-Gear Reduction Cover                                                                           | 743              | 820615   | Gear-Drive (Used After Code Date 98123100). | 1189     | 820156   | Stud (Gear Housing)                                 |
| 115      | 825120   | Housing-Gear (Used After Code Date 98033100). Used on Type No(s). 0115, 0116, 0215, 0216, 0217, 0317. | ----- Note ----- |          |                                             | 1190     | 820180   | Screw (Drive Gear)                                  |
|          |          | ----- Note -----                                                                                      |                  |          |                                             | 1191     | 820030   | Screw (Gear Housing)                                |
|          |          | 825059 Housing-Gear (Used Before Code Date 98040100). Used on Type No(s). 0116.                       | 818              | 820016   | Stud (Oil Pump Screen)                      | 1191A    | 820033   | Screw (Gear Housing)                                |

## ***Gear Housing***

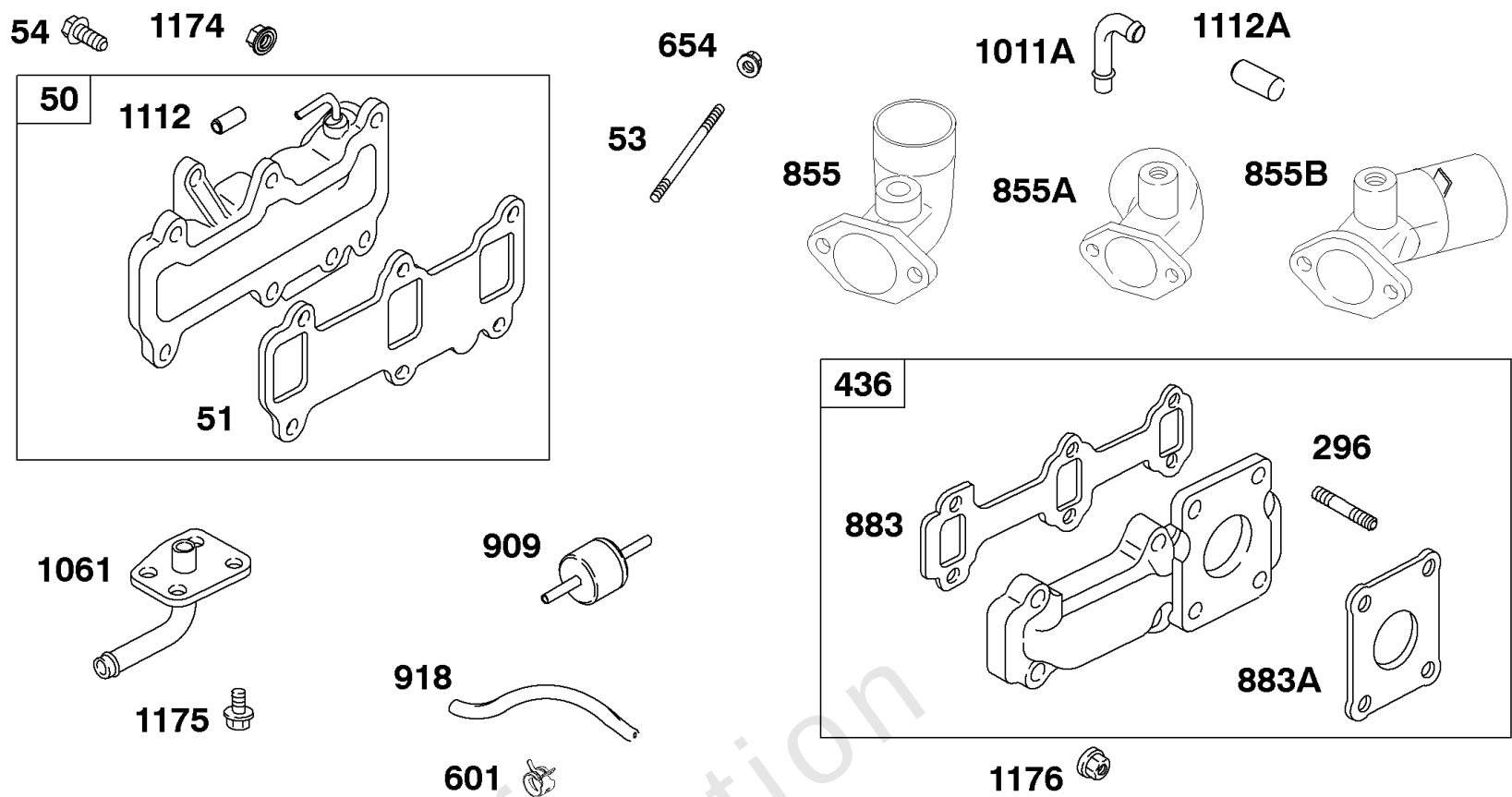
| REF NO | PART NO | QTY | DESCRIPTION                                             |
|--------|---------|-----|---------------------------------------------------------|
| 88     | 820148  |     | GASKET, Gear Cover/Housing                              |
| 88A    | 820155  |     | GASKET, Gear Cover/Housing                              |
| 115    | 825120  |     | HOUSING, Gear<br>-Used After Code Date 98033100         |
| 249    | 825032  |     | VALVE, Pressure Relief                                  |
| 743    | 820121  |     | GEAR, Drive<br>-Used Before Code Date 99010100          |
| 743    | 820615  |     | GEAR, Drive<br>-Used After Code Date 98123100           |
| 818    | 820016  |     | STUD<br>-(Oil Pump Screen)                              |
| 1024   | -----   |     | Pump-Oil<br>-(Sold In Gear Housing Only, Reference 115) |
| 1189   | 820156  |     | STUD<br>-(Gear Housing)                                 |
| 1190   | 820180  |     | SCREW<br>-(Drive Gear)                                  |
| 1191   | 820030  |     | SCREW<br>-(Gear Housing)                                |
| 1191A  | 820033  |     | SCREW<br>-(Gear Housing)                                |



| REF. NO. | PART NO. | DESCRIPTION                                                                                                                                                      | REF. NO. | PART NO. | DESCRIPTION                      | REF. NO. | PART NO. | DESCRIPTION                                                                                                                          |
|----------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------------------------------|----------|----------|--------------------------------------------------------------------------------------------------------------------------------------|
| 5        | 825681   | Head-Cylinder                                                                                                                                                    | 276      | 820064   | Washer-Sealing (Rocker Cover)    | 1011     | 821003   | Tube-Vent<br>Used on Type No(s). 0116, 0216.                                                                                         |
| 7        | 820650   | Gasket-Cylinder Head                                                                                                                                             | 318      | 820024   | Screw (Mounting Bracket)         | 1022     | 820150   | Gasket-Rocker Cover                                                                                                                  |
| 11       | 820048   | Tube-Breather<br>Used on Type No(s). 0115, 0215.<br>----- Note -----<br>820886 Tube-Breather<br>Used on Type No(s). 0217, 0317.                                  | 337      | 491055S  | Plug-Spark                       | 1023     | 825277   | Cover-Rocker<br>(Order Reference 1019, Label Kit, Reference 1036, Emissions Label, for your Model, Type, Trim with Engine Date Code) |
| 13       | 820623   | Screw (Cylinder Head) (9 mm)<br>(Used After Code Date 98123100).<br>----- Note -----<br>820074 Screw (Cylinder Head) (8 mm)<br>(Used Before Code Date 99010100). | 350      | 820078   | Stud (Water Pump)                | 1077     | 820260   | Bracket-Lifting                                                                                                                      |
| 21       | 825024   | Cap-Oil Fill                                                                                                                                                     | 383      | 19374    | Wrench-Spark Plug                | 1130     | 820015   | Stud (Intake Manifold)                                                                                                               |
| 127      | 820004   | Plug-Welch                                                                                                                                                       | 493      | 820083   | Bracket-Mounting (Ignition Coil) | 1170     | 820012   | Screw (Ignition Coil)                                                                                                                |
| 127A     | 820005   | Plug-Welch                                                                                                                                                       | 635      | 820084   | Boot-Spark Plug                  | 1171     | 820076   | Stud (Rocker Cover)                                                                                                                  |
| 151      | 820014   | Stud (Exhaust Manifold)                                                                                                                                          | 700      | 820037   | Coil-Ignition                    |          |          |                                                                                                                                      |
| 151A     | 820466   | Stud (Exhaust Manifold)                                                                                                                                          | 729      | 820672   | Clip-Wire                        |          |          |                                                                                                                                      |
|          |          |                                                                                                                                                                  | 773      | 820130   | Retainer (Valve Guide Bushing)   |          |          |                                                                                                                                      |
|          |          |                                                                                                                                                                  | 806      | 820024   | Screw (Lifting Bracket)          |          |          |                                                                                                                                      |
|          |          |                                                                                                                                                                  | 812      | 820071   | Nut (Rocker Cover)               |          |          |                                                                                                                                      |
|          |          |                                                                                                                                                                  | 871      | 825030   | Bushing-Valve Guide              |          |          |                                                                                                                                      |

## ***Ignition, Rocker Cover, Cylinder Head***

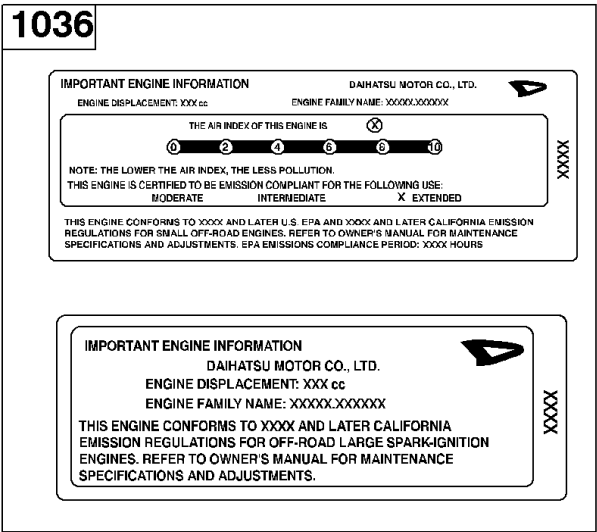
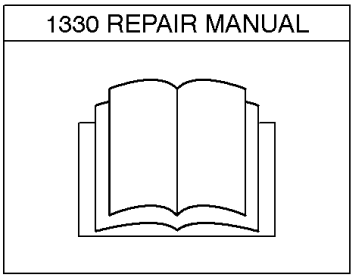
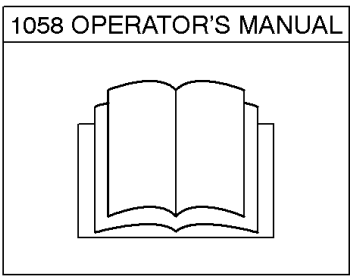
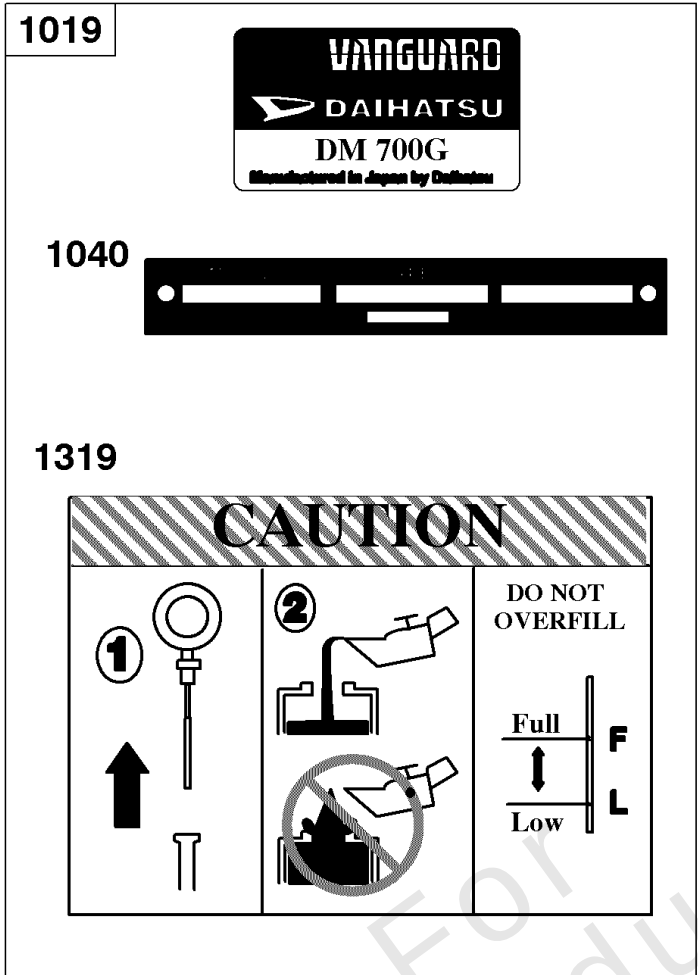
| REF NO | PART NO | QTY | DESCRIPTION                                                                                                                                   |
|--------|---------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 5      | 825681  |     | HEAD, Cylinder                                                                                                                                |
| 7      | 820650  |     | GASKET, Cylinder Head                                                                                                                         |
| 11     | 820048  |     | TUBE, Breather                                                                                                                                |
| 13     | 820623  |     | SCREW<br>-(Cylinder Head) (9 mm)<br>-Used After Code Date 98123100                                                                            |
| 13     | 820074  |     | SCREW<br>-(Cylinder Head) (8 mm)<br>-Used Before Code Date 99010100                                                                           |
| 21     | 825024  |     | CAP, Oil Fill                                                                                                                                 |
| 127    | 820004  |     | PLUG, Welch                                                                                                                                   |
| 127A   | 820005  |     | PLUG, Welch                                                                                                                                   |
| 151    | 820014  |     | STUD<br>-(Exhaust Manifold)                                                                                                                   |
| 151A   | 820466  |     | STUD<br>-(Exhaust Manifold)                                                                                                                   |
| 276    | 820064  |     | WASHER, Sealing<br>-(Rocker Cover)                                                                                                            |
| 318    | 820024  |     | SCREW<br>-(Mounting Bracket)                                                                                                                  |
| 337    | 491055S |     | PLUG, Spark                                                                                                                                   |
| 350    | 820078  |     | STUD<br>-(Water Pump)                                                                                                                         |
| 383    | 19374S  |     | WRENCH, Spark Plug                                                                                                                            |
| 493    | 820083  |     | BRACKET, Mounting<br>-(Ignition Coil)                                                                                                         |
| 635    | 820084  |     | BOOT, Spark Plug                                                                                                                              |
| 700    | 820037  |     | COIL, Ignition                                                                                                                                |
| 729    | 820672  |     | CLIP-WIRE                                                                                                                                     |
| 773    | 820130  |     | RETAINER<br>-(Valve Guide Bushing)                                                                                                            |
| 806    | 820024  |     | SCREW<br>-(Lifting Bracket)                                                                                                                   |
| 812    | 820071  |     | NUT<br>-(Rocker Cover)                                                                                                                        |
| 871    | 825030  |     | BUSHING, Valve Guide                                                                                                                          |
| 1022   | 820150  |     | GASKET, Rocker Cover                                                                                                                          |
| 1023   | 825277  |     | COVER, Rocker<br>-(Order Reference 1019, Label Kit, and Reference 1036, Emissions Label, for<br>your Model, Type, Trim with Engine Date Code) |
| 1077   | 820260  |     | BRACKET, Lifting                                                                                                                              |
| 1130   | 820015  |     | STUD<br>-(Intake Manifold)                                                                                                                    |
| 1170   | 820012  |     | SCREW<br>-(Ignition Coil)                                                                                                                     |
| 1171   | 820076  |     | STUD<br>-(Rocker Cover)                                                                                                                       |



| REF. NO. | PART NO. | DESCRIPTION                                                                                                                                                  | REF. NO. | PART NO. | DESCRIPTION                                               | REF. NO. | PART NO. | DESCRIPTION                                                                      |
|----------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|-----------------------------------------------------------|----------|----------|----------------------------------------------------------------------------------|
| 50       | 825261   | Manifold-Intake<br>Used on Type No(s).<br>0115, 0215, 0217,<br>0317.<br>----- Note -----<br>825260 Manifold-<br>Intake<br>Used on Type No(s).<br>0116, 0216. | 654      | 820011   | Nut<br>(Carburetor)                                       | 918      | 820393   | Hose-Vacuum<br>(Carburetor to<br>Manifold)<br>Used on Type No(s).<br>0116, 0216. |
| 51       | 820087   | Gasket-Intake<br>(Intake Manifold)                                                                                                                           | 855      | 820446   | Adaptor-Air Cleaner<br>(Upward)                           | 1011A    | 820184   | Tube-Vent                                                                        |
| 53       | 820077   | Stud<br>(Carburetor)                                                                                                                                         | 855A     | 820284   | Adaptor-Air Cleaner<br>Used on Type No(s).<br>0115, 0215. | 1061     | 820090   | Cover-Outlet<br>(Used Before Code<br>Date 01100100).                             |
| 54       | 820031   | Screw<br>(Intake Manifold)                                                                                                                                   | 855B     | 820578   | Adapter-Air Cleaner<br>(Parallel to Crankshaft)           | 1112     | 820543   | Plug-Vent<br>(Intake Manifold)                                                   |
| 296      | 820553   | Stud<br>(Muffler)                                                                                                                                            | 883      | 820817   | Gasket-Exhaust<br>(Exhaust Manifold)                      | 1112A    | 820576   | Plug-Vent<br>Used on Type No(s).<br>0116, 0216.                                  |
| 436      | 825055   | Manifold-Exhaust                                                                                                                                             | 883A     | 821001   | Gasket-Exhaust<br>(Muffler)                               | 1174     | 820069   | Nut<br>(Intake Manifold)                                                         |
| 601      | 820382   | Clamp-Hose                                                                                                                                                   | 909      | 820547   | Valve-Vacuum Check<br>Used on Type No(s).<br>0116, 0216.  | 1175     | 820034   | Screw<br>(Outlet Cover)                                                          |
|          |          |                                                                                                                                                              |          |          |                                                           | 1176     | 820010   | Nut<br>(Exhaust Manifold)                                                        |

## *Intake Manifold, Exhaust Manifold, A/C Adapters*

| REF NO | PART NO | QTY | DESCRIPTION                                      |
|--------|---------|-----|--------------------------------------------------|
| 50     | 825261  |     | MANIFOLD, Intake                                 |
| 51     | 820087  |     | GASKET, Intake<br>-(Intake Manifold)             |
| 53     | 820077  |     | STUD<br>-(Carburetor)                            |
| 54     | 820031  |     | SCREW<br>-(Intake Manifold)                      |
| 296    | 820553  |     | STUD<br>-(Muffler)                               |
| 309    | 825095  |     | MOTOR, Starter<br>-(0.8KW)                       |
| 436    | 825055  |     | MANIFOLD, Exhaust                                |
| 601    | 820382  |     | CLAMP, Hose                                      |
| 654    | 820011  |     | NUT<br>-(Carburetor)                             |
| 855A   | 820284  |     | ADAPTER, Air Cleaner                             |
| 883    | 820817  |     | GASKET, Exhaust<br>-(Exhaust Manifold)           |
| 883A   | 821001  |     | GASKET, Exhaust<br>-(Muffler)                    |
| 1011A  | 820184  |     | TUBE, Vent                                       |
| 1061   | 820090  |     | COVER, Outlet<br>-Used Before Code Date 01100100 |
| 1112   | 820543  |     | PLUG, Vent<br>-(Intake Manifold)                 |
| 1174   | 820069  |     | NUT<br>-(Intake Manifold)                        |
| 1175   | 820034  |     | SCREW<br>-(Outlet Cover)                         |
| 1176   | 820010  |     | NUT<br>-(Exhaust Manifold)                       |



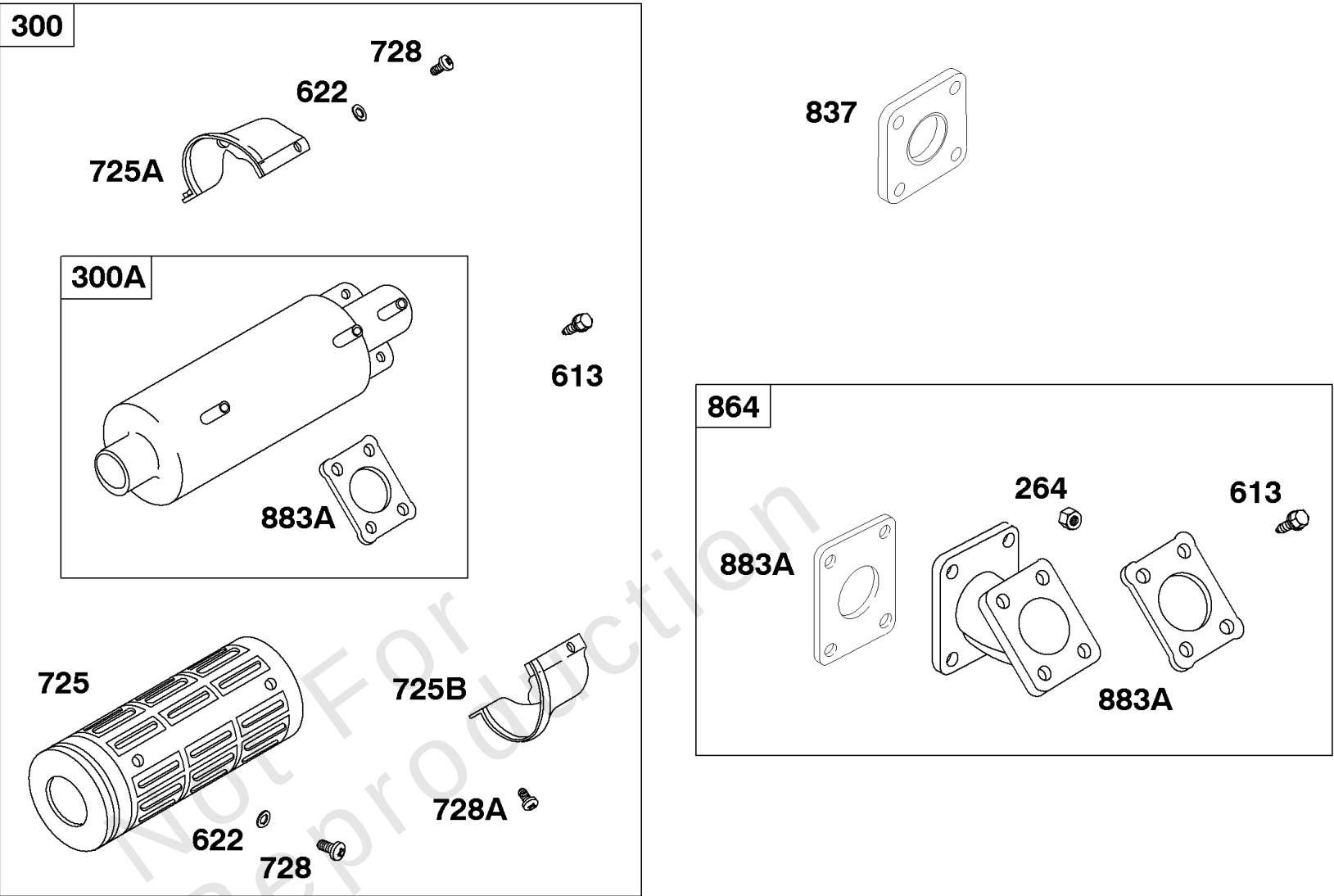
| REF. NO. | PART NO. | DESCRIPTION | REF. NO. | PART NO. | DESCRIPTION                                                               | REF. NO. | PART NO. | DESCRIPTION                                                                    |
|----------|----------|-------------|----------|----------|---------------------------------------------------------------------------|----------|----------|--------------------------------------------------------------------------------|
| 1019     | 825617   | Kit-Label   | 1036     |          | Label-Emissions<br>(Available from a Briggs & Stratton Authorized Dealer) | 1040     | 820290   | Plate-Trim                                                                     |
|          |          |             |          |          |                                                                           | 1058     | 820883   | Operator's Manual                                                              |
|          |          |             |          |          |                                                                           | 1319     | 821160   | Label-Warning                                                                  |
|          |          |             |          |          |                                                                           | 1330     | MS0750   | Repair Manual<br>(Refer to Repair Manual For Assembly and Torque Requirements) |



### ***Label/Emission Kits, Operator's Manual, Repair Manual***

| REF NO | PART NO | QTY | DESCRIPTION                                                                |
|--------|---------|-----|----------------------------------------------------------------------------|
| 1019   | 825617  |     | KIT, Label                                                                 |
| 1036   | -----   |     | Label-Emissions<br>-(Available From A Briggs & Stratton Authorized Dealer) |
| 1040   | 820290  |     | PLATE, Trim                                                                |
| 1058   | 820883  |     | MANUAL, Operator's                                                         |
| 1319   | 821160  |     | LABEL, Warning                                                             |
| 1330   | MS0750  |     | MANUAL, Repair                                                             |

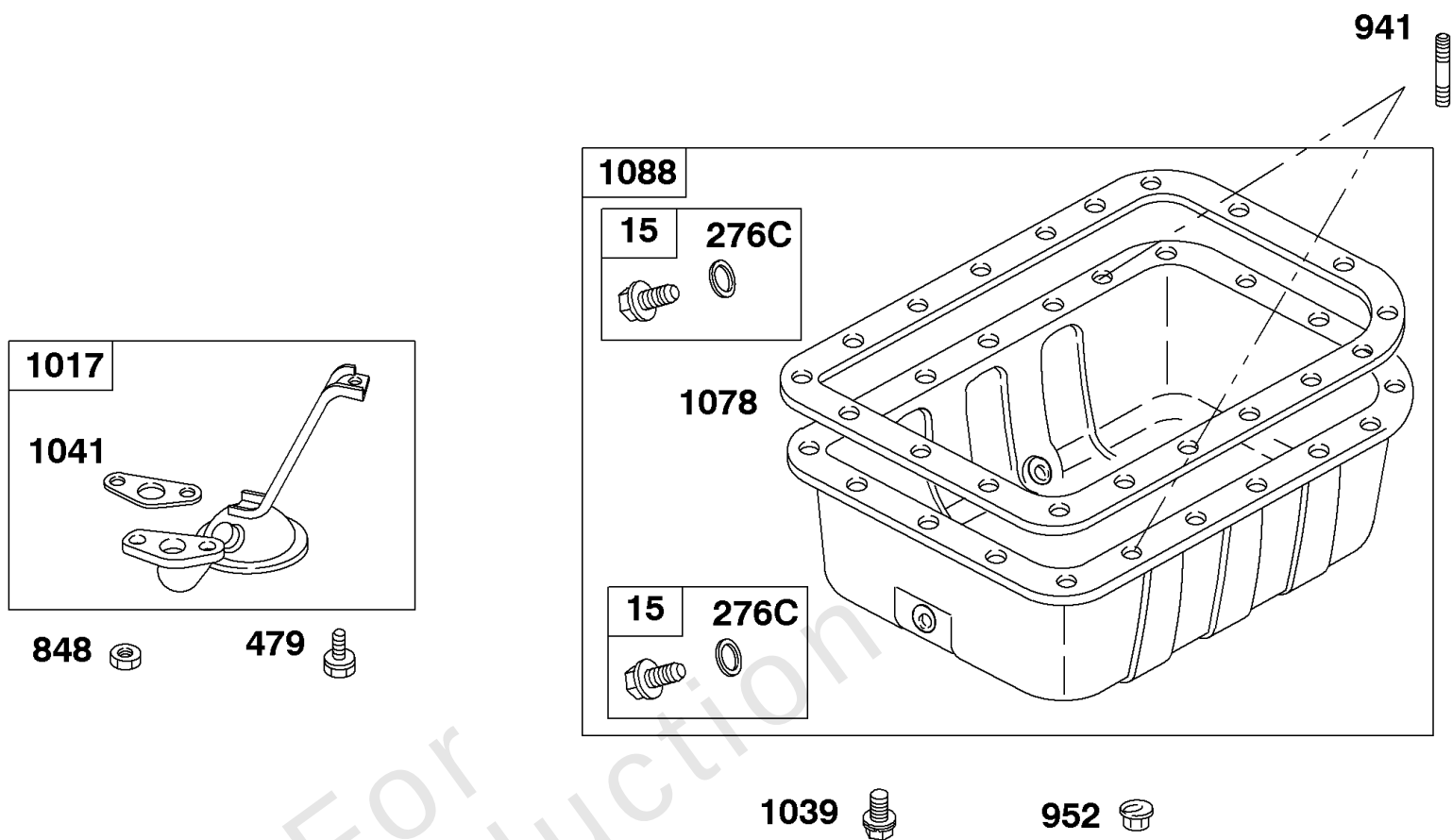
Not For Reproduction



| REF. NO. | PART NO. | DESCRIPTION              | REF. NO. | PART NO. | DESCRIPTION             | REF. NO. | PART NO. | DESCRIPTION                 |
|----------|----------|--------------------------|----------|----------|-------------------------|----------|----------|-----------------------------|
| 264      | 820178   | Nut<br>(Muffler Adapter) | 622      | 820631   | Washer<br>(Heat Shield) | 728      | 821011   | Screw<br>(Heat Shield)      |
| 300      | 825200   | Muffler                  | 725      | 820628   | Shield-Heat             | 728A     | 820431   | Screw<br>(Heat Shield)      |
| 300A     | 825550   | Muffler                  | 725A     | 820629   | Shield-Heat             | 837      | 820867   | Spacer-Muffler              |
| 613      | 820023   | Screw<br>(Muffler)       | 725B     | 820630   | Shield-Heat             | 864      | 825358   | Adapter-Muffler             |
|          |          |                          |          |          |                         | 883A     | 821001   | Gasket-Exhaust<br>(Muffler) |

## Muffler, Muffler Adapters

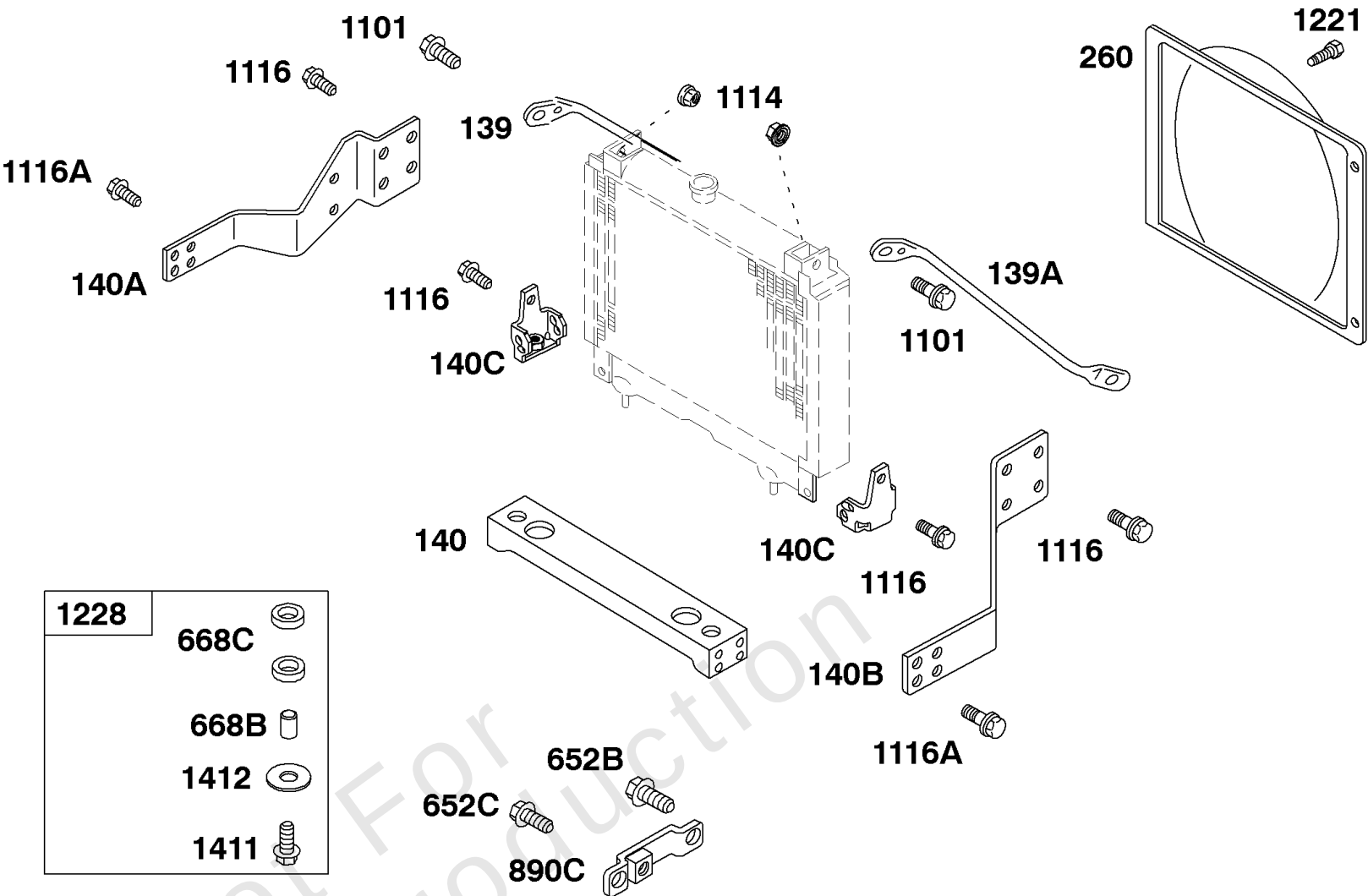
| REF NO | PART NO | QTY | DESCRIPTION                   |
|--------|---------|-----|-------------------------------|
| 264    | 820178  |     | NUT<br>-(Muffler Adapter)     |
| 300    | 825200  |     | MUFFLER                       |
| 300A   | 825550  |     | MUFFLER                       |
| 613    | 820023  |     | SCREW<br>-(Muffler)           |
| 622    | 820631  |     | WASHER<br>-(Heat Shield)      |
| 725    | 820628  |     | SHIELD, Heat                  |
| 725A   | 820629  |     | SHIELD, Heat                  |
| 725B   | 820630  |     | SHIELD, Heat                  |
| 728    | 821011  |     | SCREW<br>-(Heat Shield)       |
| 728A   | 820431  |     | SCREW<br>-(Heat Shield)       |
| 837    | 820867  |     | SPACER<br>-(Muffler)          |
| 864    | 825358  |     | ADAPTER, Muffler              |
| 883A   | 821001  |     | GASKET, Exhaust<br>-(Muffler) |



| REF. NO. | PART NO. | DESCRIPTION                                    | REF. NO. | PART NO. | DESCRIPTION             | REF. NO. | PART NO. | DESCRIPTION                  |
|----------|----------|------------------------------------------------|----------|----------|-------------------------|----------|----------|------------------------------|
| 15       | 825278   | Plug-Oil Drain (16 mm)                         | 479      | 820034   | Screw (Oil Pump Screen) | 1017     | 825089   | Screen-Oil Pump              |
|          |          | ----- Note -----                               | 848      | 820069   | Nut (Oil Pump Screen)   | 1039     | 820034   | Screw (Oil Pan)              |
|          |          | 825043 Plug-Oil Drain (12 mm)                  | 941      | 820017   | Stud (Oil Pan)          | 1041     | 820104   | Gasket-Oil Strainer          |
| 276C     | 820582   | Washer-Sealing (Oil Drain Plug) (16 mm)        | 952      | 820068   | Nut (Oil Pan)           | 1078     | 820137   | Gasket-Oil Pan               |
|          |          | ----- Note -----                               |          |          |                         | 1088     | 825734   | Pan-Oil (Dual Drain) (16 mm) |
|          |          | 820049 Washer-Sealing (Oil Drain Plug) (12 mm) |          |          |                         |          |          |                              |

## Oil Pan, Oil Pump Screen

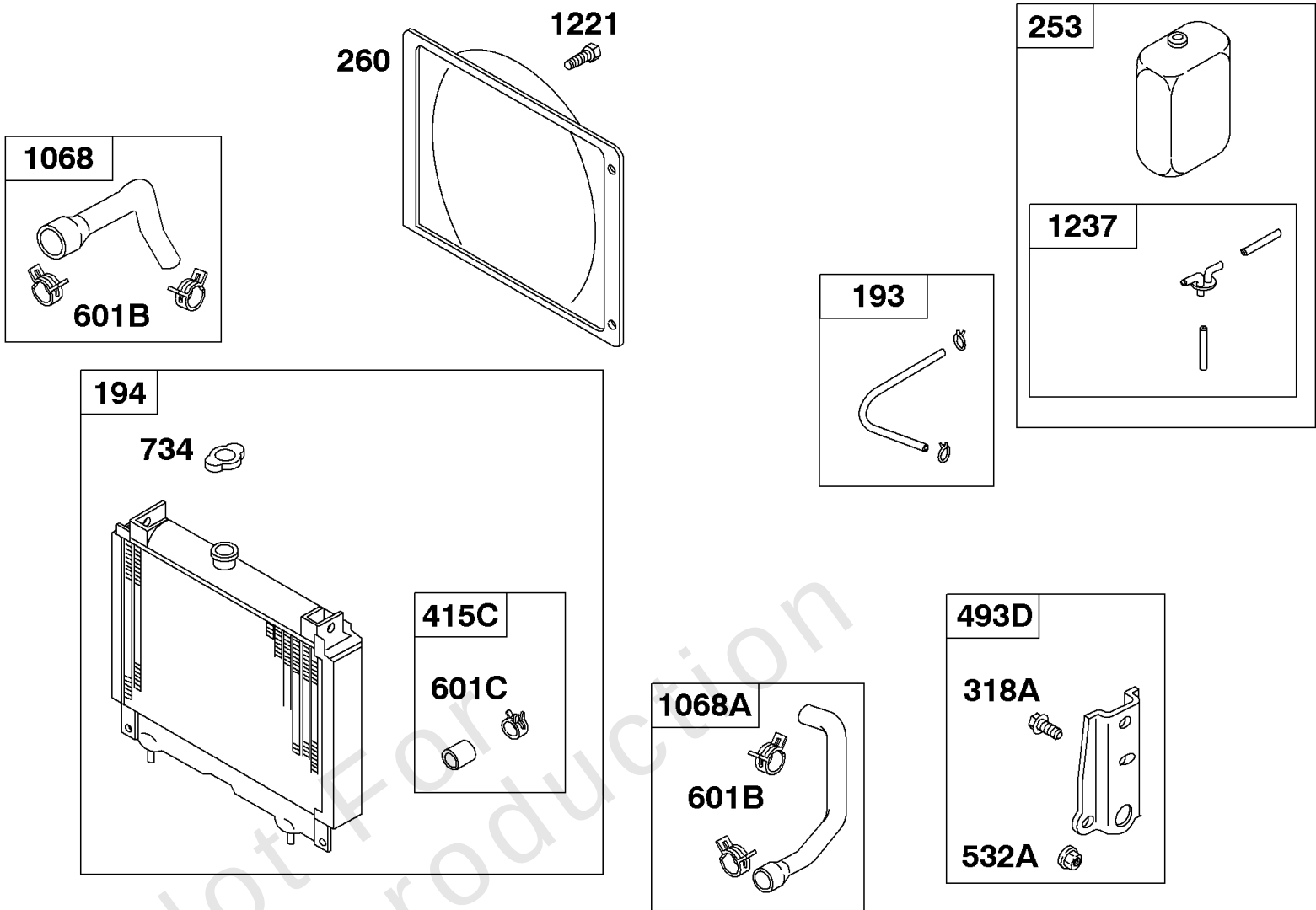
| REF NO | PART NO | QTY | DESCRIPTION                                |
|--------|---------|-----|--------------------------------------------|
| 15     | 825278  |     | PLUG, Oil Drain<br>-(16mm)                 |
| 15     | 825043  |     | PLUG, Oil Drain<br>-(12 mm )               |
| 276C   | 820049  |     | WASHER, Sealing<br>-(12 mm )               |
| 276C   | 820582  |     | WASHER, Sealing<br>-(Oil Drain Plug)(16mm) |
| 479    | 820034  |     | SCREW<br>-(Oil Pump Screen)                |
| 848    | 820069  |     | NUT<br>-(Oil Pump Screen)                  |
| 941    | 820017  |     | STUD<br>-(Oil Pan)                         |
| 952    | 820068  |     | NUT<br>-(Oil Pan)                          |
| 1017   | 825089  |     | SCREEN, Oil Pump                           |
| 1039   | 820034  |     | SCREW<br>-(Oil Pan)                        |
| 1041   | 820104  |     | GASKET, Oil Pump Screen                    |
| 1078   | 820137  |     | GASKET, Oil Pan                            |
| 1088   | 825734  |     | PAN, Oil<br>-(Dual Drain)(16mm)            |



| REF. NO. | PART NO. | DESCRIPTION                                         | REF. NO. | PART NO. | DESCRIPTION                | REF. NO. | PART NO. | DESCRIPTION                                                              |
|----------|----------|-----------------------------------------------------|----------|----------|----------------------------|----------|----------|--------------------------------------------------------------------------|
| 139      | 820190   | Support-Radiator (Right Hand)                       | 652B     | 820452   | Screw (Support Bracket)    | 1101     | 820272   | Screw (Radiator Support)                                                 |
| 139A     | 820191   | Support-Radiator (Left Hand)                        | 652C     | 820273   | Screw (Support Bracket)    | 1101A    | 820309   | Screw (Radiator Support)                                                 |
| 140      | 820255   | Bracket-Radiator (Front)                            | 668B     | 820307   | Spacer (Radiator Mount)    | 1114     | 820070   | Nut (Radiator Support)                                                   |
| 140A     | 820192   | Bracket-Radiator (Right Hand)                       | 668C     | 820198   | Spacer (Radiator Mount)    | 1115     | 820296   | Washer (Radiator Support)                                                |
| 140B     | 820193   | Bracket-Radiator (Left Hand)                        | 890C     | 820194   | Bracket-Support (Radiator) | 1116     | 820023   | Screw (Radiator Bracket) (Used With Engine Mounts And Radiator Brackets) |
| 140C     | 820294   | Bracket-Radiator                                    |          |          |                            | 1116A    | 820878   | Screw (Radiator Bracket)                                                 |
| 260      | 820220   | Shroud-Fan (320 mm) Used on Type No(s). 0217, 0317. |          |          |                            | 1221     | 820636   | Screw (Fan Shroud)                                                       |
|          |          |                                                     |          |          |                            | 1228     | 825135   | Mount-Radiator                                                           |

## ***Radiator Mounting and Supports***

| REF NO | PART NO | QTY | DESCRIPTION                                                                  |
|--------|---------|-----|------------------------------------------------------------------------------|
| 139    | 820190  |     | SUPPORT, Radiator<br>-(Right Hand)                                           |
| 139A   | 820191  |     | SUPPORT, Radiator<br>-(Left Hand)                                            |
| 140    | 820255  |     | BRACKET, Radiator<br>-(Front)                                                |
| 140A   | 820192  |     | BRACKET, Radiator<br>-(Right Hand)                                           |
| 140B   | 820193  |     | BRACKET, Radiator<br>-(Left Hand)                                            |
| 140C   | 820294  |     | BRACKET, Radiator                                                            |
| 652B   | 820452  |     | SCREW<br>-(Support Bracket)                                                  |
| 652C   | 820273  |     | SCREW<br>-(Support Bracket)                                                  |
| 668B   | 820307  |     | SPACER<br>-(Radiator Mount)                                                  |
| 668C   | 820198  |     | SPACER<br>-(Radiator Mount)                                                  |
| 890C   | 820194  |     | BRACKET, Support<br>-(Radiator)                                              |
| 1101   | 820272  |     | SCREW<br>-(Radiator Support)                                                 |
| 1114   | 820070  |     | NUT<br>-(Radiator Support)                                                   |
| 1116   | 820023  |     | SCREW<br>-(Radiator Bracket) (Used With Engine Mounts And Radiator Brackets) |
| 1116A  | 820878  |     | SCREW<br>-(Radiator Bracket)                                                 |
| 1221   | 820636  |     | SCREW<br>-(Fan Shroud)                                                       |
| 1228   | 825135  |     | MOUNT, Radiator                                                              |
| 1411   | 820309  |     | SCREW<br>-(Radiator Mount)                                                   |
| 1412   | 820296  |     | WASHER<br>-(Radiator Mount)                                                  |



| REF. NO. | PART NO. | DESCRIPTION                                            | REF. NO. | PART NO. | DESCRIPTION                 | REF. NO. | PART NO. | DESCRIPTION                  |
|----------|----------|--------------------------------------------------------|----------|----------|-----------------------------|----------|----------|------------------------------|
| 193      | 825697   | Hose-Reserve Tank                                      | 493D     | 825106   | Bracket-Mounting (Radiator) | 1068     | 825134   | Hose/Clamp Assembly (Outlet) |
| 194      | 825068   | Radiator (Copper)<br>Used on Type No(s). 0217, 0317.   | 532A     | 820011   | Nut (Mounting Bracket)      | 1068A    | 825133   | Hose/Clamp Assembly (Inlet)  |
| 253      | 825462   | Tank-Reserve                                           | 601B     | 820256   | Clamp-Hose                  | 1221     | 820636   | Screw (Fan Shroud)           |
| 260      | 820220   | Shroud-Fan (320 mm)<br>Used on Type No(s). 0217, 0317. | 601C     | 820201   | Clamp-Hose                  | 1237     | 825461   | Cap/Hose Reserve             |
| 318A     | 820034   | Screw (Mounting Bracket)                               | 734      | 820258   | Cap-Radiator                |          |          |                              |
| 415C     | 825075   | Plug (Radiator)                                        |          |          |                             |          |          |                              |



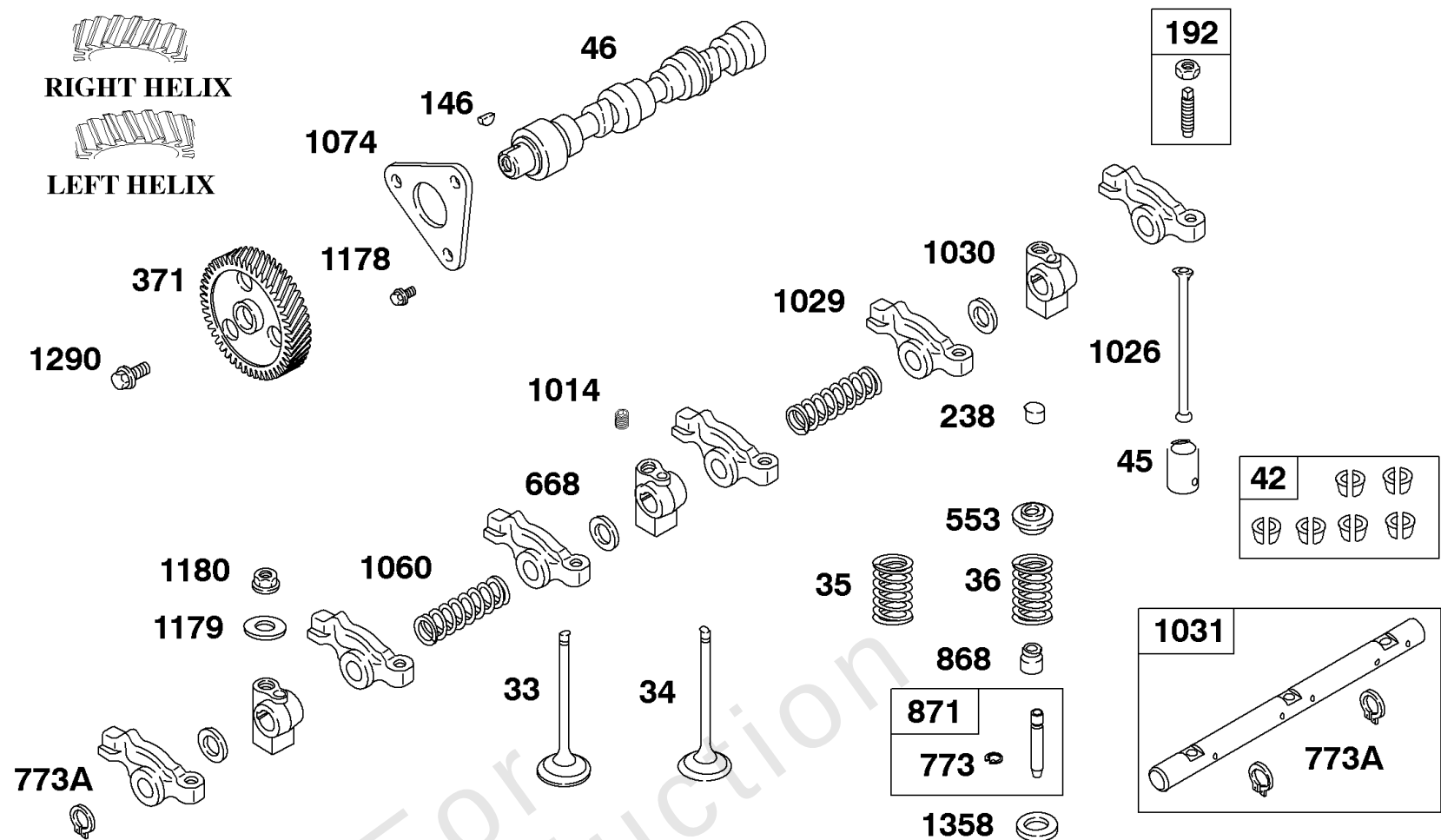
### ***Radiator, Hoses, Reserve Tank***

| REF NO | PART NO | QTY | DESCRIPTION                      |
|--------|---------|-----|----------------------------------|
| 193    | 825697  |     | HOSE, Reserve Tank               |
| 253    | 825462  |     | TANK, Reserve                    |
| 318A   | 820034  |     | SCREW<br>-(Mounting Bracket)     |
| 415C   | 825075  |     | PLUG<br>-(Radiator)              |
| 493D   | 825106  |     | BRACKET, Mounting<br>-(Radiator) |
| 532A   | 820011  |     | NUT<br>-(Mounting Bracket)       |
| 601B   | 820256  |     | CLAMP, Hose                      |
| 601C   | 820201  |     | CLAMP, Hose                      |
| 734    | 820258  |     | CAP, Radiator                    |
| 1068   | 825134  |     | HOSE/CLAMP ASSEMBLY<br>-(Outlet) |
| 1068A  | 825133  |     | HOSE/CLAMP ASSEMBLY<br>-(Inlet)  |
| 1221   | 820636  |     | SCREW<br>-(Fan Shroud)           |
| 1237   | 825461  |     | CAP, Reserve Tank                |

*Replacement Engine - US & Canada*

| REF NO | PART NO    | QTY | DESCRIPTION                           |
|--------|------------|-----|---------------------------------------|
|        | 4334470115 | 1   | Replacement Engine                    |
|        | -----      |     | Top No-Load Speed: 2400<br>-Trim: ALL |

Not For Reproduction

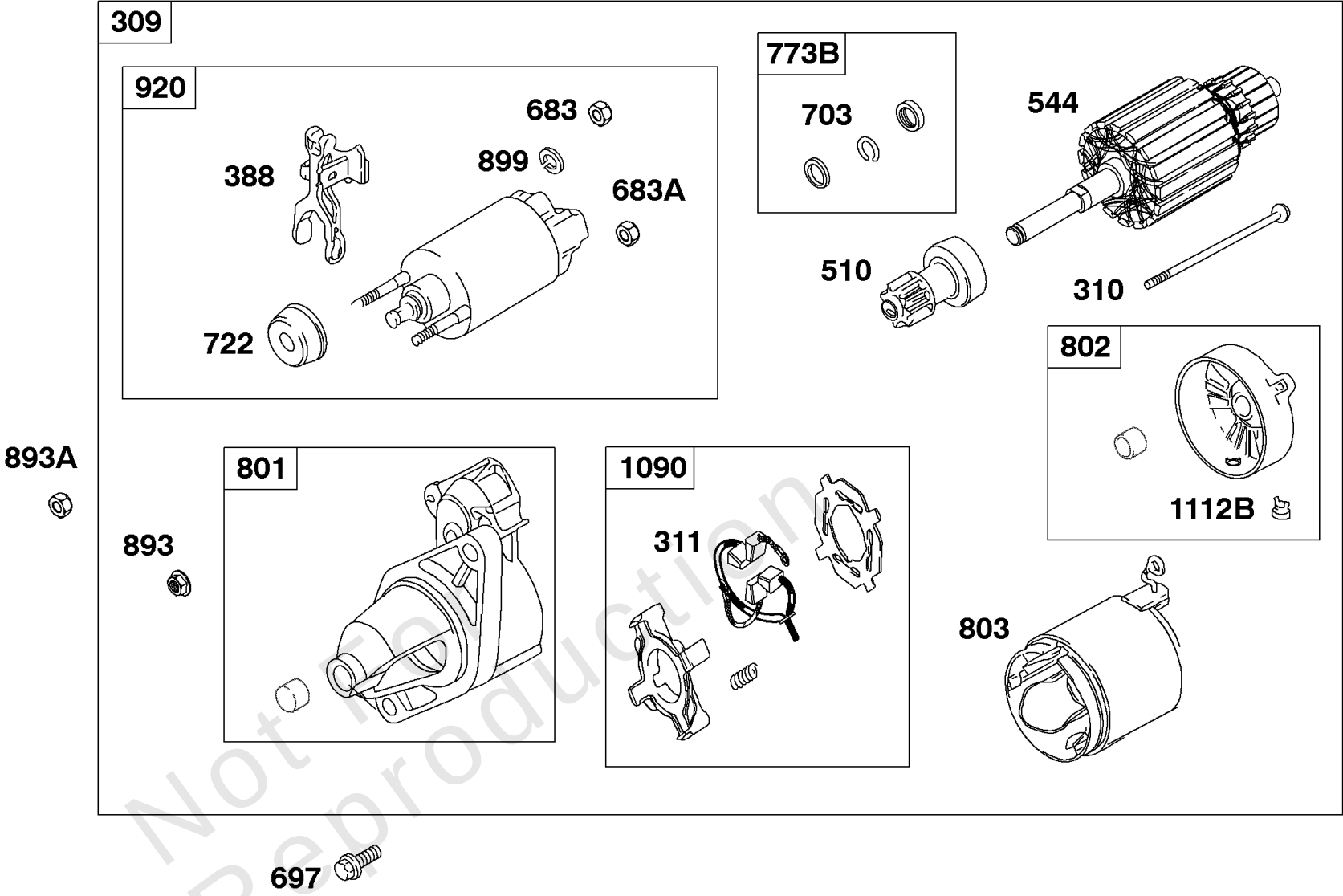


| REF. NO. | PART NO. | DESCRIPTION                                                  | REF. NO. | PART NO. | DESCRIPTION                       | REF. NO. | PART NO. | DESCRIPTION                               |
|----------|----------|--------------------------------------------------------------|----------|----------|-----------------------------------|----------|----------|-------------------------------------------|
| 33       | 820114   | Valve-Exhaust                                                | 371      | 820613   | Gear-Cam (Right Helix)            | 1014     | 820105   | Screw (Rocker Arm Support)                |
| 34       | 820115   | Valve-Intake                                                 |          |          | (Used After Code Date 98123100).  | 1026     | 821216   | Rod-Push (Used After Code Date 04083100). |
| 35       | 820406   | Spring-Valve (Intake)                                        |          |          | ----- Note -----                  |          |          | ----- Note -----                          |
| 36       | 820406   | Spring-Valve (Exhaust)                                       |          |          | 820119 Gear-Cam (Left Helix)      | 1029     | 820387   | Rocker Arm                                |
| 42       | 825082   | Keeper-Valve                                                 |          |          | (Used Before Code Date 99010100). | 1030     | 820106   | Support-Rocker Arm                        |
| 45       | 820110   | Tappet-Valve                                                 | 553      | 820111   | Retainer-Valve Spring             | 1031     | 825093   | Shaft-Rocker Arm                          |
| 46       | 820388   | Camshaft                                                     | 668      | 820065   | Spacer (Rocker Arm Shaft)         | 1060     | 820044   | Spring-Rocker Shaft                       |
| 146      | 691639   | Key-Timing                                                   | 773      | 820130   | Retainer (Valve Guide Bushing)    | 1074     | 820118   | Retainer-Camshaft                         |
| 192      | 825688   | Adjuster-Rocker Arm (Used After Code Date 04083100).         | 773A     | 820003   | Retainer (Rocker Arm Shaft)       | 1178     | 820032   | Screw (Camshaft Retainer)                 |
|          |          | ----- Note -----                                             |          |          |                                   | 1179     | 820177   | Washer (Rocker Arm Support)               |
|          |          | 825041 Adjuster-Rocker Arm (Used Before Code Date 04090100). | 868      | 820041   | Seal-Valve                        | 1180     | 820070   | Nut (Rocker Arm Support)                  |
| 238      | 821214   | Cap-Valve (Used After Code Date 04083100).                   | 871      | 825030   | Bushing-Valve Guide               | 1290     | 820075   | Screw (Cam Gear)                          |
|          |          | ----- Note -----                                             |          |          |                                   | 1358     | 820112   | Seat-Valve Spring                         |
|          |          | 820113 Cap-Valve (Used Before Code Date 04090100).           |          |          |                                   |          |          |                                           |

## Rocker Shaft, Camshaft, Valves

| REF NO | PART NO | QTY | DESCRIPTION                                                   |
|--------|---------|-----|---------------------------------------------------------------|
| 33     | 820114  |     | VALVE, Exhaust                                                |
| 34     | 820115  |     | VALVE, Intake                                                 |
| 35     | 820406  |     | SPRING, Valve<br>-(Intake)                                    |
| 36     | 820406  |     | SPRING, Valve<br>-(Exhaust)                                   |
| 42     | 825082  |     | KEEPER, Valve                                                 |
| 45     | 820110  |     | TAPPET, Valve                                                 |
| 46     | 820388  |     | CAMSHAFT                                                      |
| 146    | 691639  |     | KEY, Woodruff                                                 |
| 192    | 825041  |     | ADJUSTER, Rocker Arm<br>-Used Before Code Date 04090100       |
| 192    | 825041  |     | ADJUSTER, Rocker Arm<br>-Used After Code Date 04083100        |
| 238    | 820113  |     | CAP, Valve<br>-Used Before Code Date 04090100                 |
| 238    | 821214  |     | CAP, Valve<br>-Used After Code Date 04083100                  |
| 371    | 820119  |     | GEAR, Cam<br>-(Left Helix)<br>-Used Before Code Date 99010100 |
| 371    | 820613  |     | GEAR, Cam<br>-(Right Helix)<br>-Used After Code Date 98123100 |
| 553    | 820111  |     | RETAINER, Valve                                               |
| 668    | 820065  |     | SPACER<br>-(Rocker Arm Shaft)                                 |
| 773    | 820130  |     | RETAINER<br>-(Valve Guide Bushing)                            |
| 773A   | 820003  |     | RETAINER<br>-(Rocker Arm Shaft)                               |
| 868    | 820041  |     | SEAL, Valve                                                   |
| 871    | 825030  |     | BUSHING, Valve Guide                                          |
| 1014   | 820105  |     | SCREW<br>-(Rocker Arm Support)                                |
| 1026   | 820109  |     | ROD, Push<br>-Used Before Code Date 04090100                  |
| 1026   | 821216  |     | ROD, Push<br>-Used After Code Date 04083100                   |
| 1029   | 820387  |     | ARM, Rocker                                                   |
| 1030   | 820106  |     | SUPPORT, Rocker Arm                                           |
| 1031   | 825093  |     | SHAFT, Rocker Arm                                             |
| 1060   | 820044  |     | SPRING, Rocker Shaft                                          |
| 1074   | 820118  |     | RETAINER, Camshaft                                            |
| 1178   | 820032  |     | SCREW<br>-(Camshaft Retainer)                                 |
| 1179   | 820177  |     | WASHER<br>-(Rocker Arm Support)                               |
| 1180   | 820070  |     | NUT<br>-(Rocker Arm Support)                                  |
| 1290   | 820075  |     | SCREW<br>-(Cam Gear)                                          |
| 1358   | 820112  |     | SEAT, Valve Spring                                            |

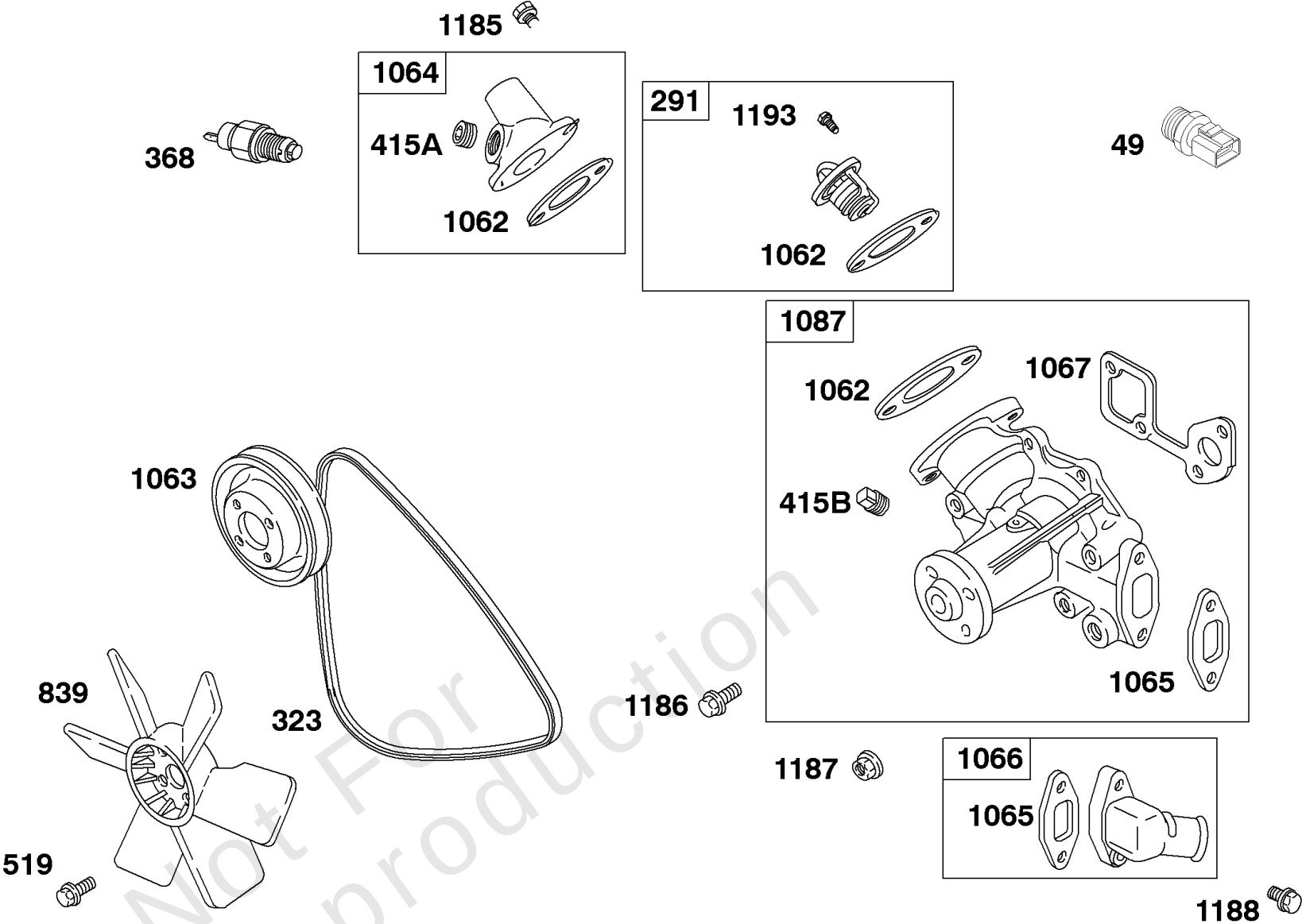
0.8 KW      RED LABEL



| REF. NO. | PART NO. | DESCRIPTION            | REF. NO. | PART NO. | DESCRIPTION              | REF. NO. | PART NO. | DESCRIPTION                 |
|----------|----------|------------------------|----------|----------|--------------------------|----------|----------|-----------------------------|
| 309      | 825095   | Motor-Starter          | 697      | 820019   | Screw (Drive Cap)        | 893      | 820805   | Nut (Starter Solenoid)      |
| 310      | 820807   | Screw (Starter Motor)  | 703      | 820803   | Clip                     | 893A     | 820067   | Nut (Starter Solenoid)      |
| 311      | 825411   | Brush Set              | 722      | 820801   | Seal-Plunger             | 899      | 820811   | Washer (Starter Solenoid)   |
| 388      | 820799   | Lever-Pinion Drive     | 773B     | 825420   | Retainer (Starter Drive) | 920      | 825418   | Solenoid-Starter (Terminal) |
| 510      | 820789   | Drive-Starter          | 801      | 820791   | Cap-Drive                | 1090     | 825412   | Retainer-Brush              |
| 544      | 825414   | Armature-Starter       | 802      | 825416   | Cap-End                  | 1112B    | 820797   | Plug-Vent (End Cap)         |
| 683      | 820813   | Nut (Starter Solenoid) | 803      | 820783   | Housing-Starter          |          |          |                             |
| 683A     | 820809   | Nut (Starter Solenoid) |          |          |                          |          |          |                             |
|          |          | (Terminal)             |          |          |                          |          |          |                             |

### ***Starter Motor, 0.8KW***

| REF NO | PART NO | QTY | DESCRIPTION                              |
|--------|---------|-----|------------------------------------------|
| 309    | 825095  |     | MOTOR, Starter<br>-(0.8KW)               |
| 310    | 820807  |     | SCREW<br>-(Starter Motor)                |
| 311    | 825411  |     | SET, Brush                               |
| 388    | 820799  |     | LEVER, Pinion Drive                      |
| 510    | 820789  |     | DRIVE, Starter                           |
| 544    | 825414  |     | ARMATURE, Starter                        |
| 683    | 820813  |     | NUT<br>-(Starter Solenoid) (Terminal)    |
| 683A   | 820809  |     | NUT<br>-(Starter Solenoid) (Terminal)    |
| 697    | 820019  |     | SCREW<br>-(Drive Cap)                    |
| 703    | 820803  |     | CLIP                                     |
| 722    | 820801  |     | SEAL, Plunger                            |
| 773B   | 825420  |     | RETAINER<br>-(Starter Drive)             |
| 801    | 820791  |     | CAP, Drive                               |
| 802    | 825416  |     | CAP, End                                 |
| 803    | 820783  |     | HOUSING, Starter                         |
| 893    | 820805  |     | NUT<br>-(Starter Solenoid)               |
| 893A   | 820067  |     | NUT<br>-(Starter Solenoid)               |
| 899    | 820811  |     | WASHER<br>-(Starter Solenoid) (Terminal) |
| 920    | 825418  |     | SOLENOID, Starter                        |
| 1090   | 825412  |     | RETAINER-BRUSH                           |
| 1112B  | 820797  |     | PLUG, Vent<br>-(End Cap)                 |



| REF. NO. | PART NO. | DESCRIPTION                                                                    | REF. NO. | PART NO. | DESCRIPTION                                       | REF. NO. | PART NO. | DESCRIPTION            |
|----------|----------|--------------------------------------------------------------------------------|----------|----------|---------------------------------------------------|----------|----------|------------------------|
| 49       | 820590   | Sensor-Water Temperature<br>Used on Type No(s). 0116, 0216, 0217, 0317.        | 415A     | 820052   | Plug (Outlet Housing)                             | 1065     | 820098   | Gasket-Inlet Housing   |
| 291      | 825064   | Thermostat                                                                     | 415B     | 820182   | Plug (Water Pump)                                 | 1066     | 825051   | Housing-Inlet          |
| 323      | 820239   | Belt-Vee (925 mm)<br>Used on Type No(s). 0217, 0317.                           | 519      | 820034   | Screw (Radiator Fan)                              | 1067     | 820100   | Gasket-Water Pump      |
|          |          | ----- <b>Note</b> -----                                                        | 839      | 820096   | Fan-Radiator                                      | 1087     | 825275   | Pump-Water             |
|          |          | <b>820288</b> Belt-Vee (915 mm)<br>Used on Type No(s). 0115, 0116, 0215, 0216. | 1062     | 820093   | Gasket-Outlet Housing                             | 1185     | 820031   | Screw (Outlet Housing) |
|          |          |                                                                                | 1063     | 820095   | Pulley-Pump                                       | 1186     | 820022   | Screw (Water Pump)     |
|          |          |                                                                                | 1064     | 825074   | Housing-Outlet<br>Used on Type No(s). 0217, 0317. | 1187     | 820181   | Nut (Water Pump)       |
|          |          |                                                                                |          |          | ----- <b>Note</b> -----                           | 1188     | 820031   | Screw (Inlet Housing)  |
|          |          |                                                                                |          |          | <b>825267</b> Housing-Outlet                      | 1193     | 820185   | Screw (Thermostat)     |
| 368      | 820208   | Switch-Water Temperature                                                       |          |          | Used on Type No(s). 0116, 0216.                   |          |          |                        |

## ***Vee Belt, Radiator Fan, Water Pump***

| REF NO | PART NO | QTY | DESCRIPTION                |
|--------|---------|-----|----------------------------|
| 291    | 825064  |     | THERMOSTAT                 |
| 323    | 820288  |     | BELT, Vee<br>-(915 mm)     |
| 368    | 820208  |     | SWITCH, Water Temperature  |
| 415A   | 820052  |     | PLUG<br>-(Outlet Housing)  |
| 415B   | 820182  |     | PLUG<br>-(Water Pump)      |
| 519    | 820034  |     | SCREW<br>-(Radiator Fan)   |
| 839    | 820096  |     | FAN, Radiator              |
| 1062   | 820093  |     | GASKET, Outlet Housing     |
| 1063   | 820095  |     | PULLEY, Pump               |
| 1065   | 820098  |     | GASKET, Inlet Housing      |
| 1066   | 825051  |     | HOUSING, Inlet             |
| 1067   | 820100  |     | GASKET, Water Pump         |
| 1087   | 825275  |     | PUMP, Water                |
| 1185   | 820031  |     | SCREW<br>-(Outlet Housing) |
| 1186   | 820022  |     | SCREW<br>-(Water Pump)     |
| 1187   | 820181  |     | NUT<br>-(Water Pump)       |
| 1188   | 820031  |     | SCREW<br>-(Inlet Housing)  |
| 1193   | 820185  |     | SCREW<br>-(Thermostat)     |



