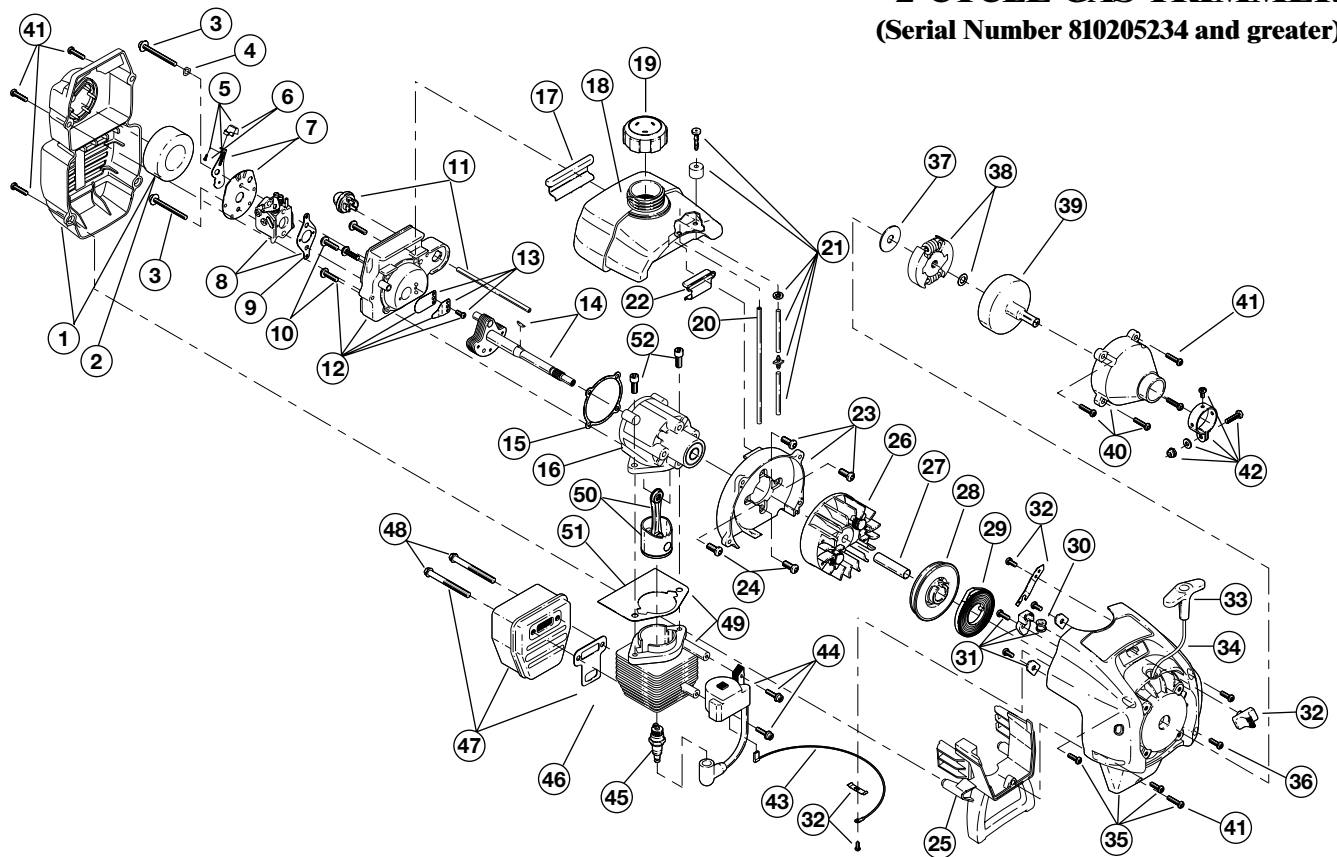


# ENGINE PARTS - MODEL 780r

## 2-CYCLE GAS TRIMMER

(Serial Number 810205234 and greater)



| Item | Part No. | Description                                          | Item | Part No. | Description                                               |
|------|----------|------------------------------------------------------|------|----------|-----------------------------------------------------------|
| 1    | 182059   | Air Cleaner/Muffler Cover Assembly (includes 2 & 41) | 34   | 613103   | Rope                                                      |
| 2    | 180350   | Air Cleaner Filter                                   | 35   | 181443   | Starter Housing Assembly (includes 28-34 & 43)            |
| 3    | 180351   | Carburetor Mounting Screw Assembly                   | 36   | 181862   | Housing Screw                                             |
| 4    | 180352   | Wavey Washer                                         | 37   | 181074   | Clutch Washer                                             |
| 5    | 182061   | Choke Lever Assembly (includes 6)                    | 38   | 181445   | Clutch Rotor Assembly                                     |
| 6    | 182070   | Choke Knob and Screw                                 | 39   | 153592   | Clutch Drum Assembly                                      |
| 7    | 182060   | Choke Lever and Plate (includes 5)                   | 40   | 180098   | Clutch Cover Assembly                                     |
| 8    | 182062   | Carburetor Assembly W/Limiter Caps (includes 9 & 21) | 41   | 181345   | Cover Screw                                               |
| 9    | 610675   | Carburetor Gasket                                    | 42   | 153597   | Upper Clamp Assembly                                      |
| 10   | 181860   | Carb Mount Screw                                     | 43   | 180036   | Wire Lead                                                 |
| 11   | 181558   | Primer and Hose Assembly                             | 44   | 181937   | Module Assembly                                           |
| 12   | 182063   | Carb Mount Assembly (includes 10)                    | 45   | 610311   | Spark Plug                                                |
| 13   | 684451   | Reed Assembly                                        | 46   | 182065   | Exhaust Gasket                                            |
| 14   | 181498   | Power Shaft Assembly                                 | 47   | 182066   | Muffler Assembly (includes 48)                            |
| 15   | 612115   | Carburetor Mount Gasket                              | 48   | 147575   | Muffler Mounting Bolt Assembly                            |
| 16   | 180026   | Crank Case Service Assembly (includes 10, 14 & 24)   | 49   | 181622   | Cylinder Assembly (includes 52)                           |
| 17   | 612134   | Rear Mounting Pad                                    | 50   | 684449   | Piston and Rod Assembly                                   |
| 18   | 181438   | Fuel Tank Assembly (includes 19-21)                  | 51   | 610674   | Cylinder Gasket                                           |
| 19   | 181559   | Fuel Cap Assembly                                    | 52   | 181870   | Cylinder Bolt                                             |
| 20   | 181168   | Fuel Return Line                                     | *    | 180011   | Engine Gasket Kit                                         |
| 21   | 682039   | Fuel Line Assembly                                   | *    | 180602   | O.E.M. Carburetor Repair Kit (Walbro)                     |
| 22   | 145308   | Front Mounting Pad                                   | *    | 180090   | O.E.M. Carburetor Repair Kit (Zama)                       |
| 23   | 153520   | Shroud Assembly                                      | *    | 181873   | Gasket Diaphragm Repair Kit (Walbro)                      |
| 24   | 181861   | Shroud Screw                                         | *    | 180091   | Gasket Diaphragm Repair Kit (Zama)                        |
| 25   | 182064   | Shroud Extension and Stand                           | *    | 180530   | Piston Ring                                               |
| 26   | 180929   | Flywheel Assembly                                    | *    | 181623   | Short Block Assembly (includes 10, 14, 16, 24, 45, 49-52) |
| 27   | 181065   | Spacer                                               | *    | 610676   | Flywheel Key                                              |
| 28   | 181597   | Recoil Pulley Assembly                               | *    | 181501   | Starter Housing Screw Set                                 |
| 29   | 613102   | Recoil Spring                                        | *    | 610309   | Crankcase Seal                                            |
| 30   | 611061   | Rope Guide                                           | *    | 181599   | Clutch Springs (Qty. 2)                                   |
| 31   | 181441   | Pulley Retainer Assembly                             | *    |          | Items Not Shown                                           |
| 32   | 181442   | Switch Assembly (includes 43)                        |      |          |                                                           |
| 33   | 181079   | Pull Handle                                          |      |          |                                                           |

# BOOM AND TRIMMER PARTS - MODEL 780r

## 2-CYCLE GAS TRIMMER

(Serial Number 810205234 and greater)

| Item | Part No. | Description                                                 |
|------|----------|-------------------------------------------------------------|
| 1    | 182079   | Throttle Housing and Trigger Assembly (includes 2 & 3)      |
| 2    | 610314   | Throttle Trigger Spring                                     |
| 3    | 181556   | Throttle Trigger                                            |
| 4    | 182068   | Throttle Cable Assembly                                     |
| 5    | 610327   | Harness Clip                                                |
| 6    | 147486   | Drive Shaft Housing Assembly                                |
| 7    | 180286   | J-Handle Assembly (includes 8 & 9)                          |
| 8    | 612831   | Grip                                                        |
| 9    | 612021   | Tube Closure                                                |
| 10   | 683295   | Handle Bracket Assembly (includes 11-16)                    |
| 11   | 181811   | Screw                                                       |
| 12   | 181812   | Upper Handle Clamp                                          |
| 13   | 181813   | Middle Handle Clamp                                         |
| 14   | 181814   | Lower Handle Clamp                                          |
| 15   | 181815   | Nut                                                         |
| 16   | 145569   | Anti-Rotation Screw                                         |
| 17   | 181817   | Flexible Drive Shaft                                        |
| 18   | 683304   | Shield Mounting Screw                                       |
| 19   | 683299   | Shield and Blade Assembly (includes 20)                     |
| 20   | 682061   | Blade Assembly                                              |
| 21a  | 147539   | Shield Mount Screw Assembly (1 piece Gearbox)               |
| 21b  | 182200   | Shield Mount Screw Assembly (2 piece Gearbox)               |
| 22a  | 147677   | Gearbox Mounting Hardware and Grease Plug (1 piece Gearbox) |
| 22b  | 182195   | Gearbox Mounting Hardware (2 piece Gearbox)                 |
| 23   | 145569   | Anti-Rotation Screw (2 piece Gearbox)                       |
| 24a  | 147488   | 1 piece Gearbox Assembly (includes 21a, 22a, 26a & 36)      |
| 24b  | 182193   | 2 piece Gearbox Assembly (includes 21b, 22b, 26b & 36)      |
| 25   | 147492   | Blade Shield                                                |
| 26a  | 147489   | Blade Driver (1 piece Gearbox)                              |
| 26b  | 182196   | Blade Driver (2 piece Gearbox)                              |
| 27   | 147490   | Retaining Washer                                            |
| 28   | 612483   | Spool Shaft                                                 |
| 29   | 683301   | Outer Spool and Eyelet Assembly                             |
| 30   | 612026   | Retainer                                                    |
| 31   | 610636   | Spring                                                      |
| 32   | 147495   | Inner Reel                                                  |
| 33   | 180814   | Bump Head Knob Assembly                                     |
| 34   | 145873   | 4-Tooth Blade (includes 35)                                 |
| 35   | 613231   | Blade Cover                                                 |
| 36   | 181699   | Nut                                                         |
| *    | 180014   | Blade Retaining Kit (includes 27 & 36)                      |
| *    | 613226   | Locking Rod Tool                                            |
| *    | 682075   | Shoulder Harness                                            |

### 2 Piece Gearbox Assembly Parts - Item 24b

|    |        |                                          |
|----|--------|------------------------------------------|
| 37 | 182191 | Left Housing                             |
| 38 | 182192 | Right Housing                            |
| 39 | 182194 | Pinion Gear Assembly                     |
| 40 | 182199 | Output Shaft Bushing                     |
| 41 | 182198 | Output Shaft Gear                        |
| 42 | 182197 | Output Shaft Assembly (includes 40 & 41) |

### Optional Accessories

- \* 612454 Replacement Line, 0.095 Diameter
- \* 147345 Reel and Line Assembly
- \* 147498 Bump Head Assembly (includes 28-33)
- \* 147543 Ryobi 2-Cycle Oil
- \* Items Not Shown

