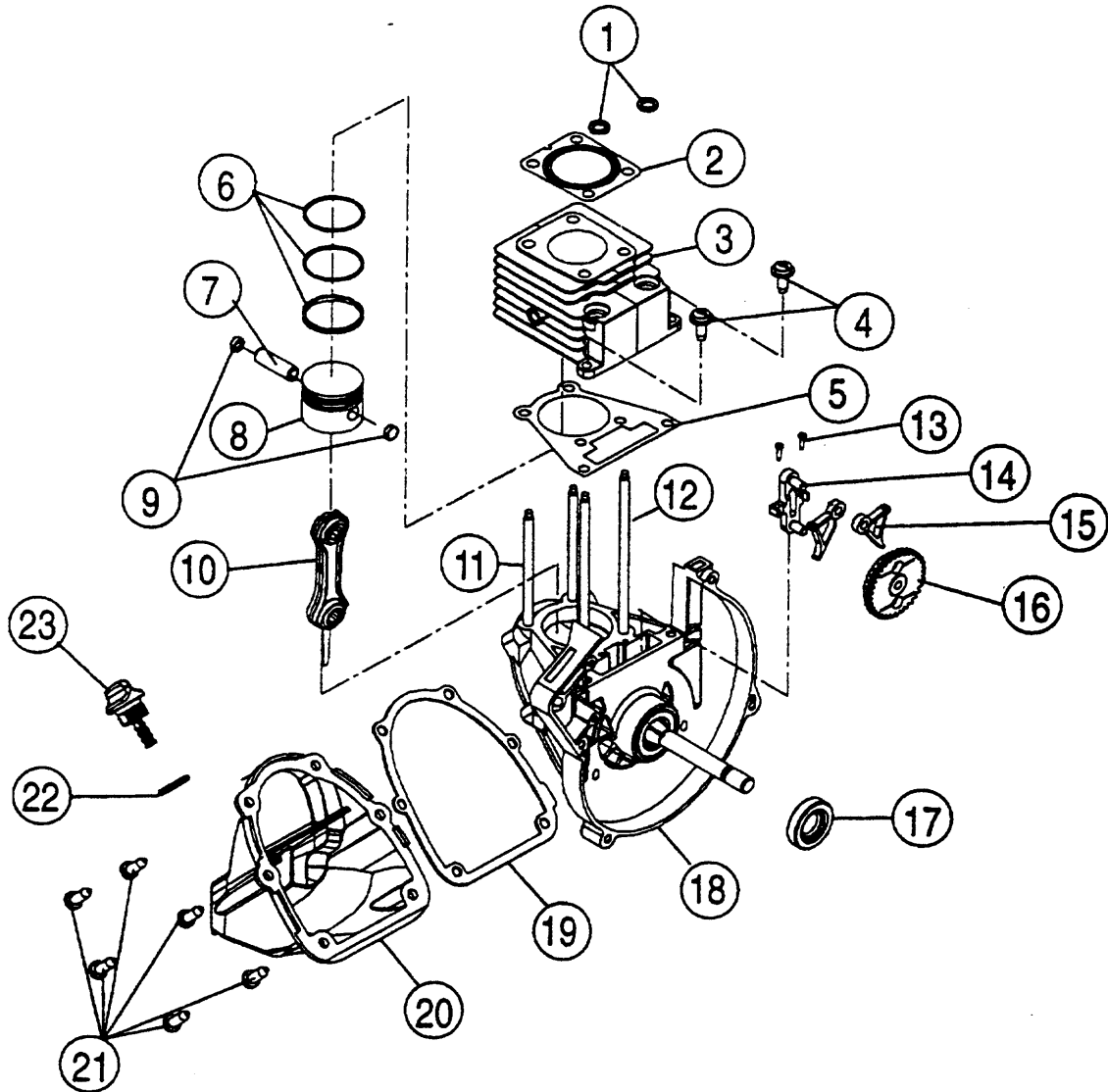


# CYLINDER & CRANKCASE ASSEMBLY - RYOBI 920r, 960r, 970r, 990r

(Serial no. 411088141 and greater)

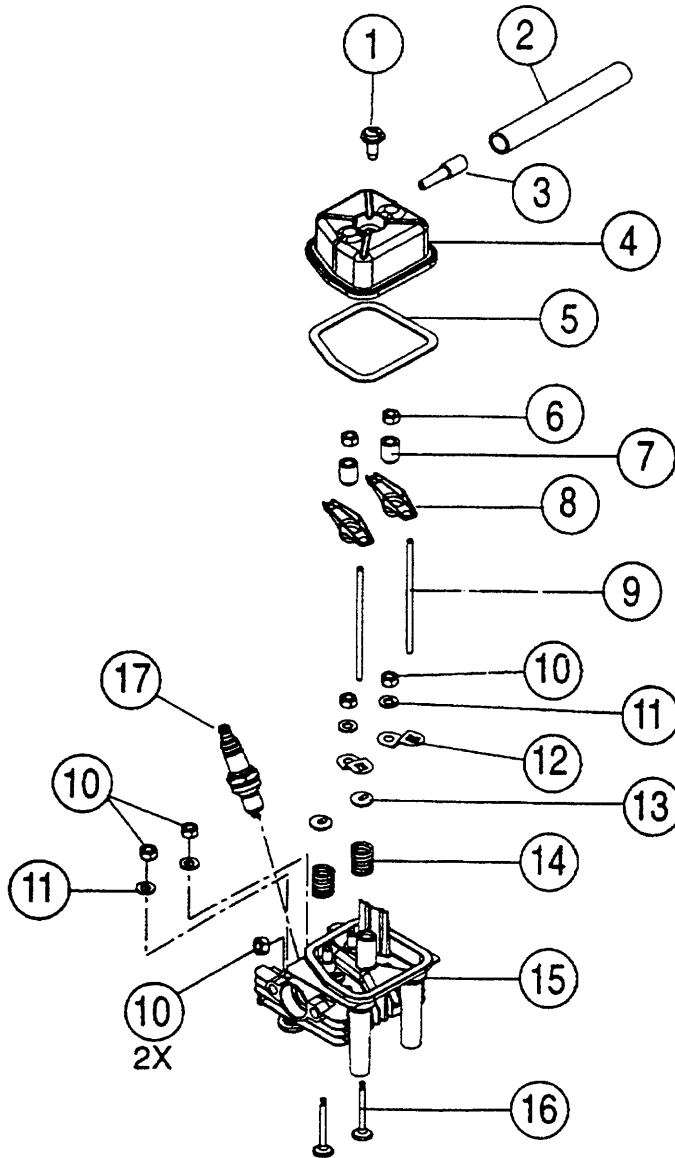


| Item | Part No. | Description             | Item | Part No. | Description   |
|------|----------|-------------------------|------|----------|---|
| 1    | 181000   | O-Ring, Push Rod Tube   | 15   | 181014   | Follower, Cam   |
| 2    | 181001   | Gasket, Cylinder Head   | 16   | 181015   | Cam Gear  |
| 3    | 181002   | Cylinder                | 17   | 181016   | Seal  |
| 4    | 181003   | Screw, M5 X 18.7mm      | 18   | 181017   | Crankcase W/Power Shaft<br>(includes items 11, 12 & 17) |
| 5    | 181004   | Gasket, Cylinder        | 19   | 181018   | Gasket, Oil Pan   |
| 6    | 181005   | Piston Ring Set         | 20   | 181019   | Pan, Oil  |
| 7    | 181006   | Pin, Wrist              | 21   | 181020   | Screw, M5 X 15.8mm (6 required)                         |
| 8    | 181007   | Piston                  | 22   | 181021   | O-Ring  |
| 9    | 181008   | Button, Wrist Pin       | 23   | 181022   | Plug, Oil Fill (includes item 22)                       |
| 10   | 181009   | Rod, Connecting         | *    | 181023   | Piston and Rod Assembly<br>(items 6-10)                 |
| 11   | 181010   | Cylinder Stud (83.5mm)  | *    | 181024   | Engine Gasket Kit                                       |
| 12   | 181011   | Cylinder Stud (115.5mm) |      |          |   |
| 13   | 181012   | Screw, Cam Bracket      |      |          |   |
| 14   | 181013   | Bracket, Cam            | *    |          | not shown   |

# CYLINDER HEAD ASSEMBLY - RYOBI 920r, 960r, 970r, 990r

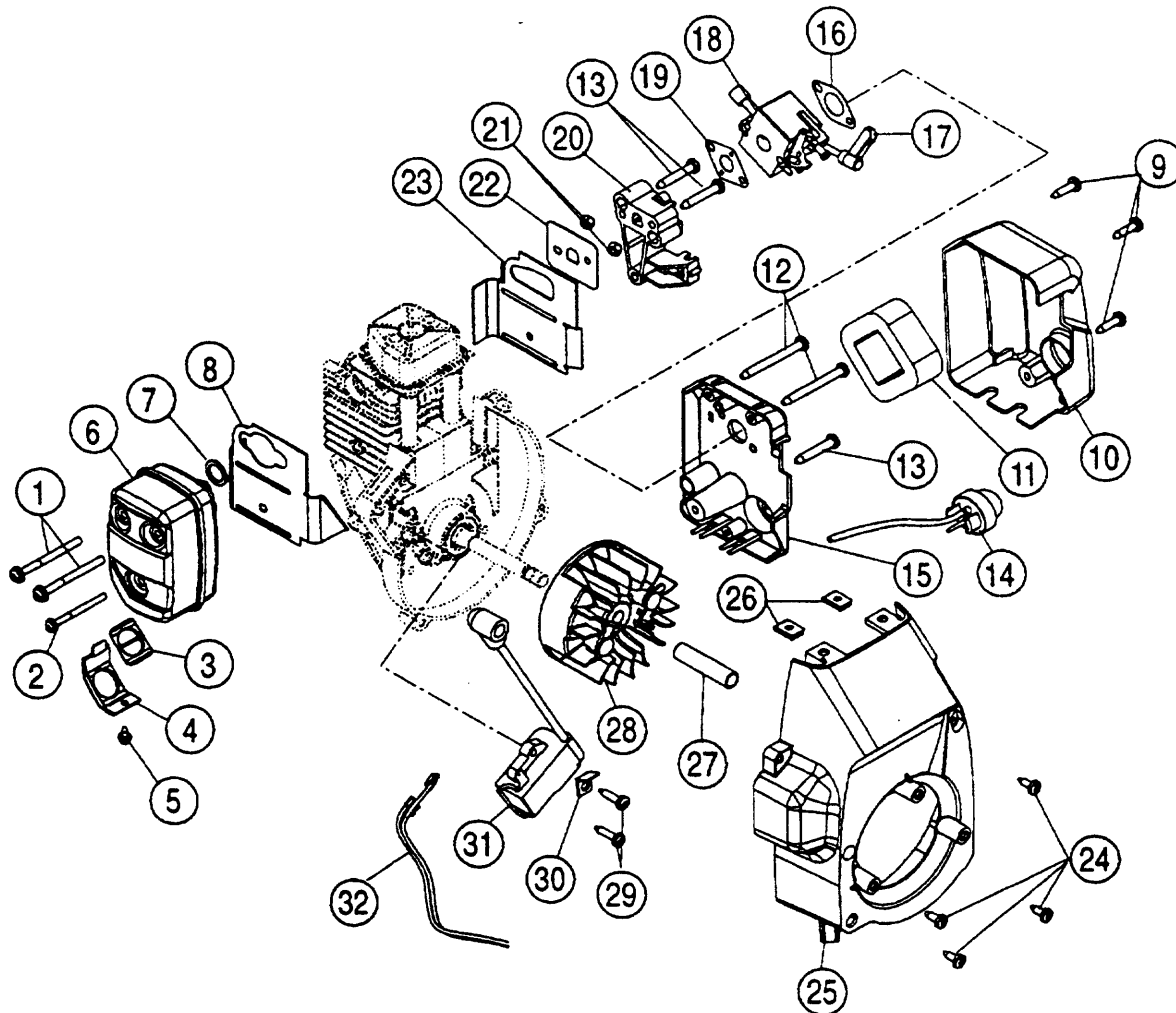
(Serial no. 411088141 and greater)

| Item | Part No. | Description  |
|------|----------|--|
| 1    | 181025   | Screw, Valve Cover                                   |
| 2    | 181026   | Hose, Breather                                       |
| 3    | 181027   | Breather Assembly                                    |
| 4    | 181028   | Cover, Valve   |
| 5    | 181029   | Gasket, Valve Cover                                  |
| 6    | 181030   | Nut, Rocker Adjusting                                |
| 7    | 181031   | Pivot, Rocker Arm                                    |
| 8    | 181032   | Arm, Rocker  |
| 9    | 181033   | Rod, Push  |
| 10   | 181034   | Nut, Hex 5M  |
| 11   | 181035   | Washer   |
| 12   | 181036   | Guide, Push Rod                                      |
| 13   | 181037   | Retainer, Valve Spring                               |
| 14   | 181038   | Spring, Valve  |
| 15   | 181039   | Head, Cylinder                                       |
| 16   | 181040   | Valve  |
| 17   | 180852   | Spark Plug   |
| *    | 181041   | Cylinder Head Assembly<br>(items 13-16)              |
| *    | 181042   | Short Block Assembly<br>(all items from pages 2 & 3) |
| *    |          | not shown  |



# CARBURETOR & MUFFLER ASSEMBLIES - RYOBI 920r, 960r, 970r, 990r

(Serial no. 411088141 and greater)

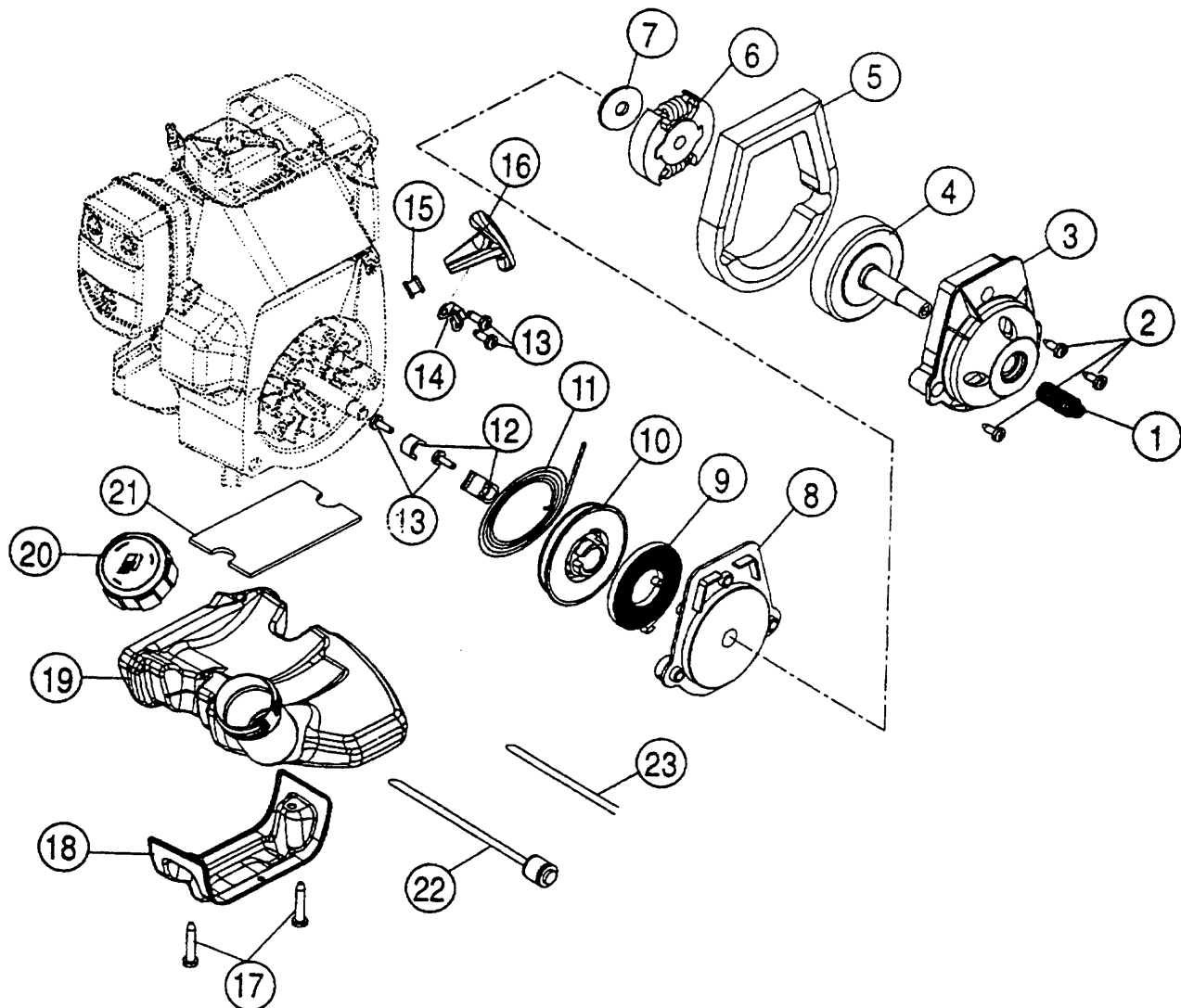


| <u>Item</u> | <u>Part No.</u> | <u>Description</u>               | <u>Item</u> | <u>Part No.</u> | <u>Description</u>               |
|-------------|-----------------|----------------------------------|-------------|-----------------|----------------------------------|
| 1           | 181043          | Screw, Muffler Mounting          | 20          | 181060          | Insulator, Carb Mount            |
| 2           | 181044          | Screw, Muffler Mounting          | 21          | 181034          | Nut, Hex 5M                      |
| 3           | 180890          | Screen, Spark Arrestor           | 22          | 181061          | Gasket, Intake                   |
| 4           | 181045          | Cover, Screen                    | 23          | 181062          | Baffle, Intake                   |
| 5           | 181046          | Screw, Screen Cover              | 24          | 181003          | Screw, M5 X 18.7mm               |
| 6           | 181047          | Muffler (includes items 1-5 & 7) | 25          | 181063          | Housing, Fan                     |
| 7           | 181048          | Gasket, Muffler                  | 26          | 181064          | Nut, Tinnerman                   |
| 8           | 181049          | Baffle, Muffler                  | 27          | 181065          | Spacer                           |
| 9           | 181050          | Screw, Air Filter Cover          | 28          | 153624          | Flywheel                         |
| 10          | 181051          | Cover, Air Filter                | 29          | 181066          | Screw, Module                    |
| 11          | 180350          | Filter, Air                      | 30          | 611063          | Tab, Ground                      |
| 12          | 181052          | Screw, Air Filter Base (52.5mm)  | 31          | 181067          | Module, Ignition                 |
| 13          | 181053          | Screw, M5 X 29mm                 | 32          | 181094          | Lead, Wire 18" (2 required)      |
| 14          | 181054          | Primer and Line Assembly         | *           | 610676          | Key, Flywheel                    |
| 15          | 181055          | Base, Air Filter                 | *           | 180142          | Flywheel Starter Pawl Repair Kit |
| 16          | 181056          | Gasket                           | *           | 181068          | O.E.M. Carburetor Repair Kit     |
| 17          | 181057          | Lever, Choke                     | *           | 181069          | Gasket-Diaphragm Repair Kit      |
| 18          | 181058          | Carburetor W/Choke Lever         |             |                 |                                  |
| 19          | 181059          | Gasket                           | *           | not shown       |                                  |

# CLUTCH, STARTER MODULE & FUEL TANK ASSEMBLIES -

**RYOBI 920r, 960r, 970r, 990r**

(Serial no. 411088141 and greater)



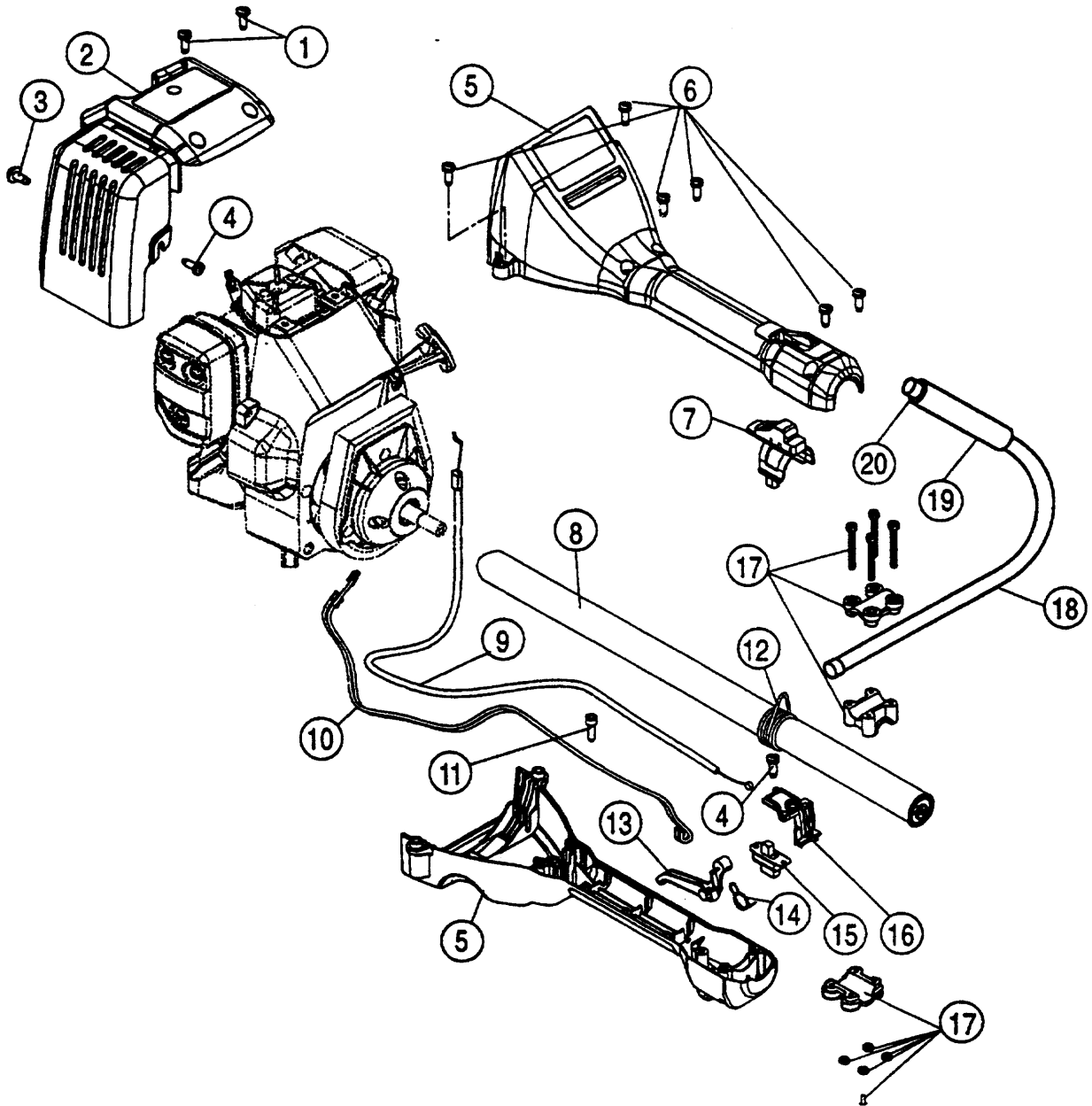
| Item | Part No. | Description                                      |
|------|----------|--|
| 1    | 612468   | Spring, Compression                              |
| 2    | 181070   | Screw, M5 X 32mm                                 |
| 3    | 181071   | Housing, Clutch                                  |
| 4    | 180232   | Drum, Clutch                                     |
| *    | 181102   | Clutch Housing Assembly W/Drum<br>(items 3 & 4)  |
| 5    | 181072   | Isolator   |
| 6    | 181073   | Clutch   |
| 7    | 181074   | Washer, Clutch                                   |
| *    | 181087   | Starter Module Assembly<br>(items 8-13, 15 & 16) |
| 8    | 181075   | Housing, Starter                                 |
| 9    | 613102   | Spring, Starter                                  |
| 10   | 180535   | Pulley, Starter                                  |
| 11   | 613103   | Rope, Starter                                    |

| Item | Part No. | Description                                |
|------|----------|--|
| 12   | 181076   | Retainer, Starter Pulley                   |
| 13   | 181077   | Screw, M4 X 12.7mm                         |
| 14   | 181078   | Retainer, Rope Guide                       |
| 15   | 611061   | Guide, Rope                                |
| 16   | 181079   | Handle, Starter                            |
| 17   | 181080   | Screw, Fuel Tank Bracket                   |
| 18   | 181081   | Bracket, Fuel Tank                         |
| 19   | 181082   | Tank, Fuel<br>(includes items 20, 22 & 23) |
| 20   | 181083   | Cap, Fuel                                  |
| 21   | 181084   | Pad, Fuel Tank                             |
| 22   | 181085   | Fuel Line Assembly W/Filter                |
| 23   | 181086   | Line, Fuel Return                          |

\* not shown

# HANDLE & UPPER BOOM ASSEMBLY - RYOBI 920r, 960r, 970r, 990r

(Serial no. 411088141 and greater)



| Item | Part No. | Description   |
|------|----------|---|
| 1    | 181020   | Screw, M5 X 15.8mm                                  |
| 2    | 181088   | Cover, Engine                                       |
| 3    | 181089   | Screw, M5 X 15.78mm SEMS                            |
| 4    | 181104   | Screw, Engine Cover                                 |
| 5    | 181090   | Handle, Assembly                                    |
| 3    | 181070   | Screw, M5 X 32mm                                    |
| 7    | 181091   | Slide, Switch                                       |
| 3    | 181092   | Housing, Upper Drive<br>(920r, 970r, and 990r only) |
| 3    | 181105   | Housing, Upper Drive (960r only)                    |
| 9    | 181093   | Cable, Throttle                                     |
| 10   | 181094   | Lead, Wire 18" (2 required)                         |

| Item | Part No. | Description                       |
|------|----------|-----------------------------------|
| 11   | 181095   | Screw, Anti-Rotation              |
| 12   | 610327   | Clip, Shoulder Strap              |
| 13   | 181096   | Trigger                           |
| 14   | 610314   | Spring                            |
| 15   | 181097   | Switch                            |
| 16   | 181098   | Retainer, Switch & Trigger        |
| 17   | 683295   | Handle Bracket Assembly           |
| 18   | 181099   | J-Handle Assembly (items 19 & 20) |
| 19   | 612831   | Grip                              |
| 20   | 612021   | Tube Closure                      |
| *    | 181103   | Decal Kit                         |

\* not shown

# BOOM AND TRIMMER PARTS - RYOBI 920r

(Serial no. 411088141 and greater)

| Item | Part No. | Description   |
|------|----------|---|
| 1    | 181092   | Housing, Upper Drive                                  |
| 2    | 683605   | Split Boom Coupling Set                               |
| 3    | 683606   | Coupling Bolt Assembly                                |
| 4    | 683607   | Adjustment Knob Set                                   |
| 5    | 180340   | Lower Drive Shaft Housing Assembly                    |
| 6    | 153597   | Lower Clamp Assembly                                  |
| 7    | 683608   | Lower Flexible Drive Shaft                            |
| 8    | 145570   | Retaining Ring  |
| 9    | 145567   | Washer  |
| 10   | 153312   | Bushing Housing Assembly                              |
| 11   | 180531   | Guard Mounting Screw Assembly                         |
| 12   | 683274   | Guard and Blade Assembly<br>(includes item 14)        |
| 13   | 145569   | Anti-Rotation Screw                                   |
| 14   | 682061   | Blade Assembly  |
| 15   | 153313   | Spool Shaft   |
| 16   | 153619   | Outer Spool and Eyelet Assembly<br>(includes item 18) |
| 17   | 145566   | Eyelet  |
| 18   | 610660   | Retainer (10 pack)                                    |
| 19   | 610317   | Spring  |
| 20   | 153600   | Inner Reel  |
| 21   | 153066   | Bump Head Knob Assembly                               |

## Optional Accessories

- \* 610375 Monofilament Cutting Line, 50 ft.
- \* 153577 Spool and Line Assembly
- \* 147823 Complete Cutting Head Assembly  
(includes items 6, 8-21)
- \* 682075 Shoulder Strap Assembly
- \* 181100 Oil, SAE 30 100ml Bottle
- \* 181101 Spout, Oil Fill

\* not shown

