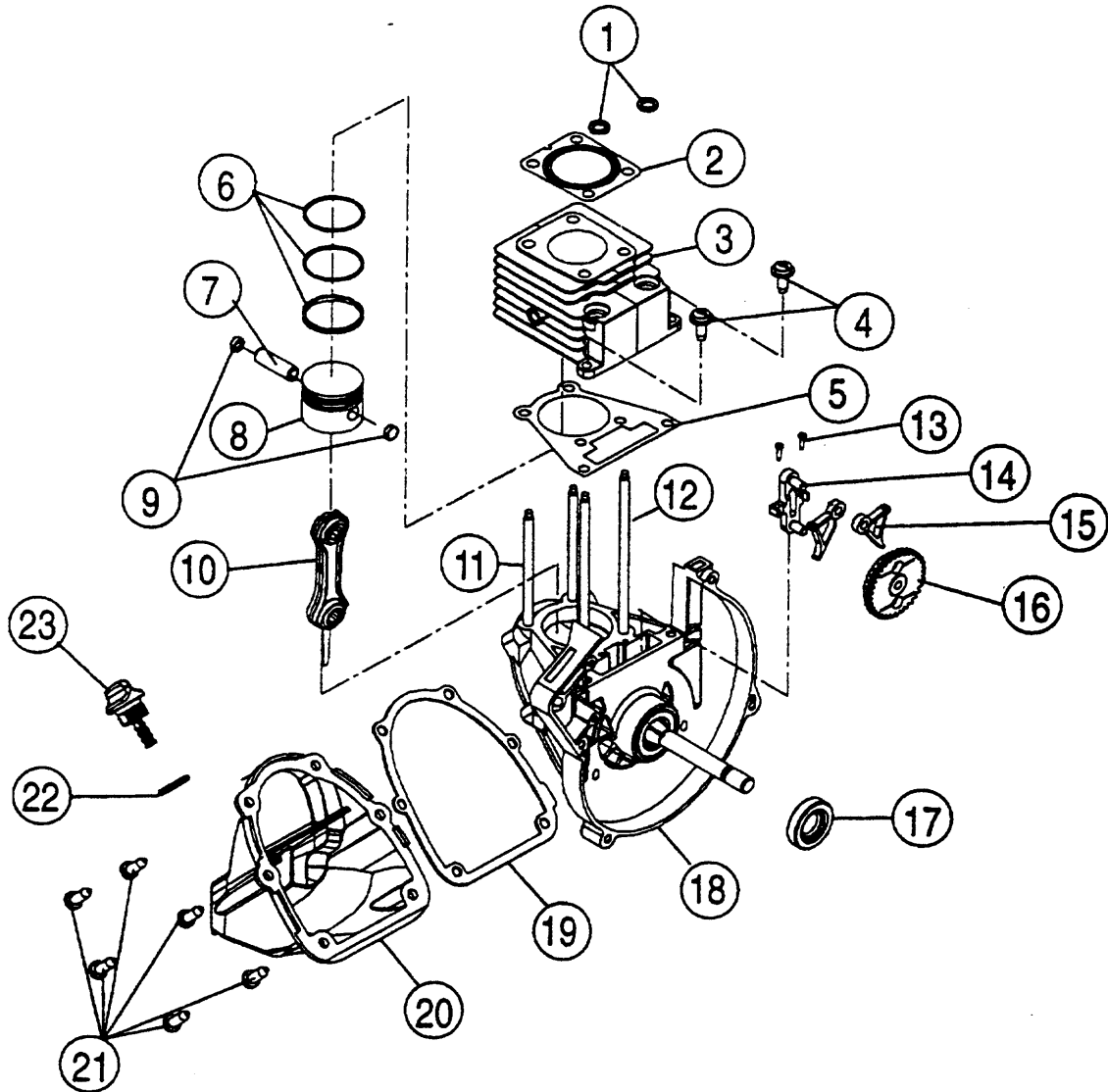


# CYLINDER & CRANKCASE ASSEMBLY - RYOBI 920r, 960r, 970r, 990r

(Serial no. 411088141 and greater)



**Item Part No. Description**

1	181000	O-Ring, Push Rod Tube
2	181001	Gasket, Cylinder Head
3	181002	Cylinder
4	181003	Screw, M5 X 18.7mm
5	181004	Gasket, Cylinder
6	181005	Piston Ring Set
7	181006	Pin, Wrist
8	181007	Piston
9	181008	Button, Wrist Pin
10	181009	Rod, Connecting
11	181010	Cylinder Stud (83.5mm)
12	181011	Cylinder Stud (115.5mm)
13	181012	Screw, Cam Bracket
14	181013	Bracket, Cam

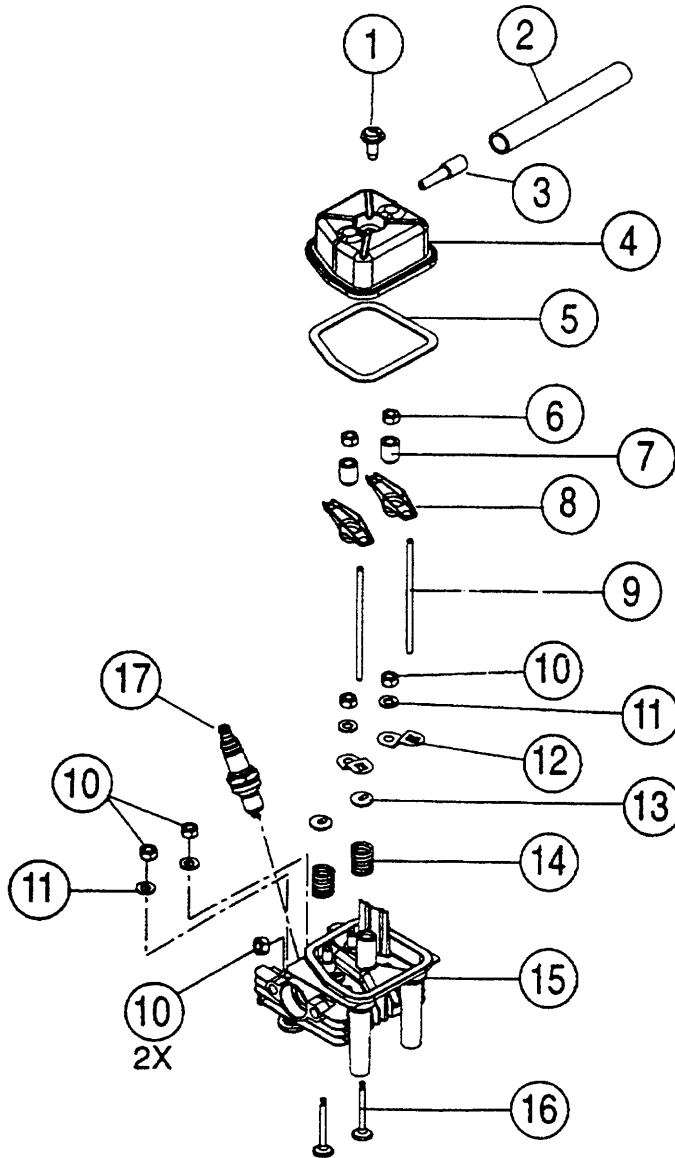
**Item Part No. Description**

15	181014	Follower, Cam
16	181015	Cam Gear
17	181016	Seal
18	181017	Crankcase W/Power Shaft (includes items 11, 12 & 17)
19	181018	Gasket, Oil Pan
20	181019	Pan, Oil
21	181020	Screw, M5 X 15.8mm (6 required)
22	181021	O-Ring
23	181022	Plug, Oil Fill (includes item 22)
*	181023	Piston and Rod Assembly (items 6-10)
*	181024	Engine Gasket Kit
*		not shown

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

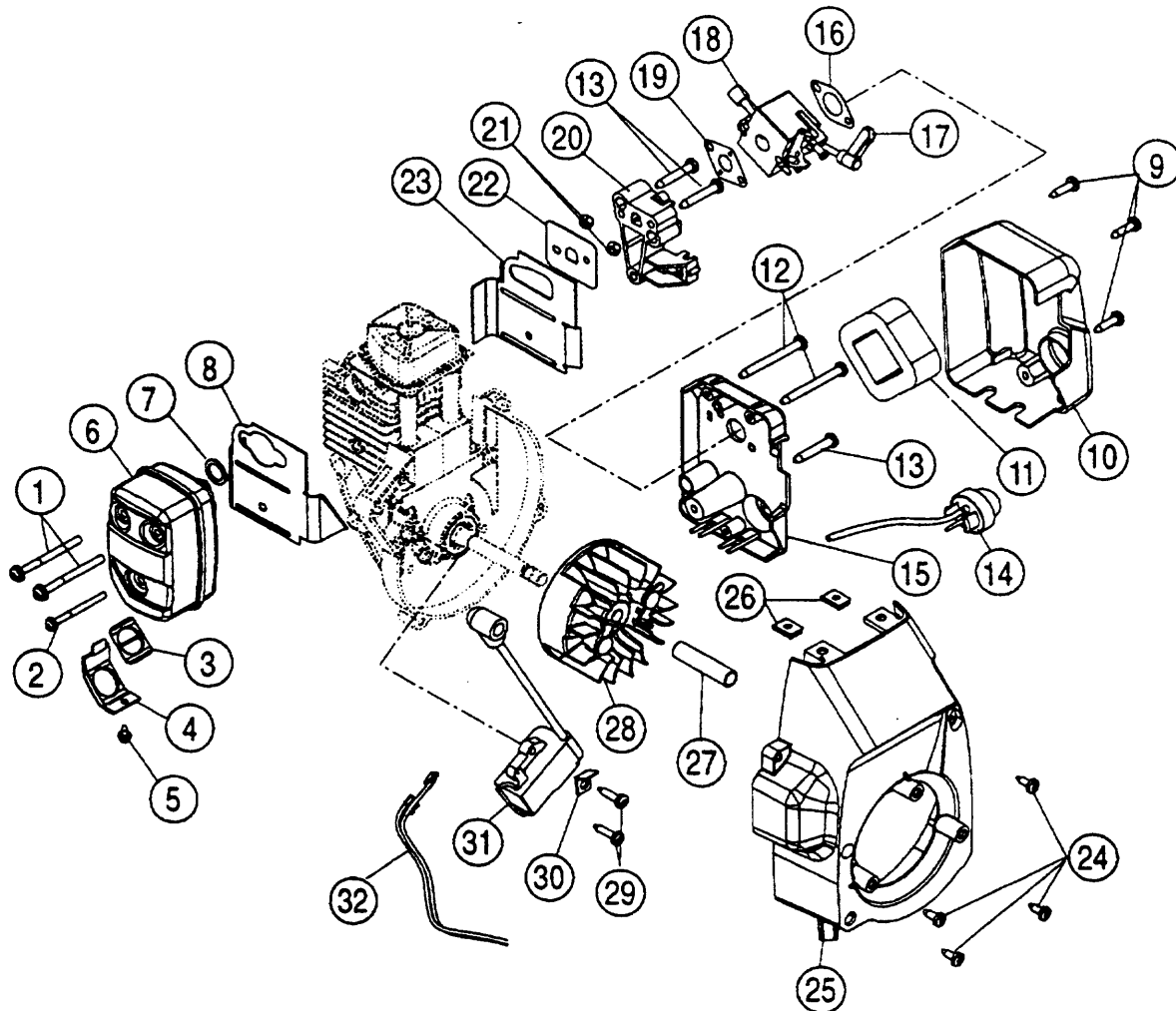
(Serial no. 411088141 and greater)

<u>Item</u>	<u>Part No.</u>	<u>Description</u>
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 (items 13-16)
*	181042	Short Block Assembly (all items from pages 2 & 3)
*		not shown



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

(Serial no. 411088141 and greater)

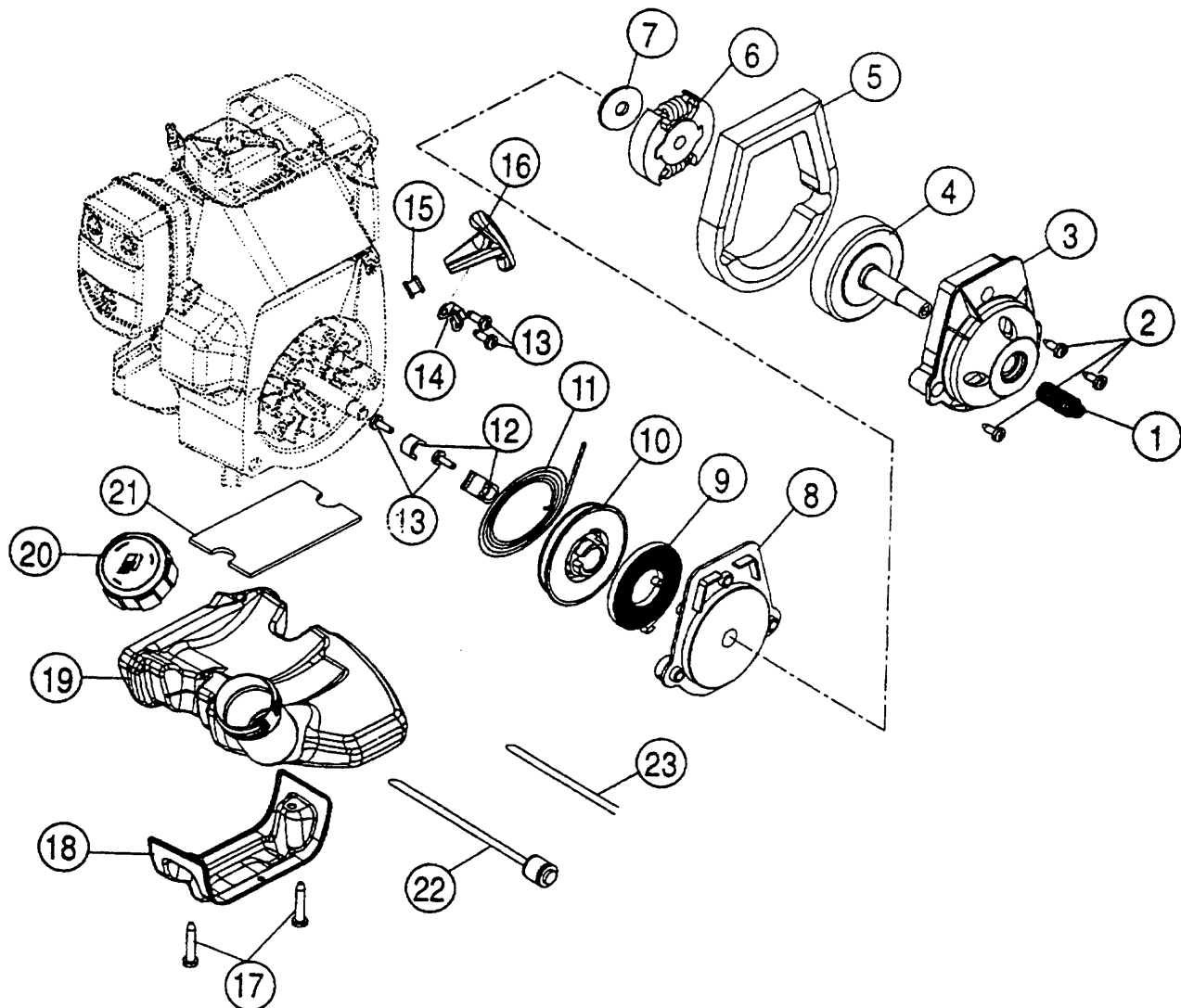


<u>Item</u>	<u>Part No.</u>	<u>Description</u>	<u>Item</u>	<u>Part No.</u>	<u>Description</u>
1	181043	Screw, Muffler Mounting	20	181060	Insulator, Carb Mount
2	181044	Screw, Muffler Mounting	21	181034	Nut, Hex 5M
3	180890	Screen, Spark Arrestor	22	181061	Gasket, Intake
4	181045	Cover, Screen	23	181062	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)

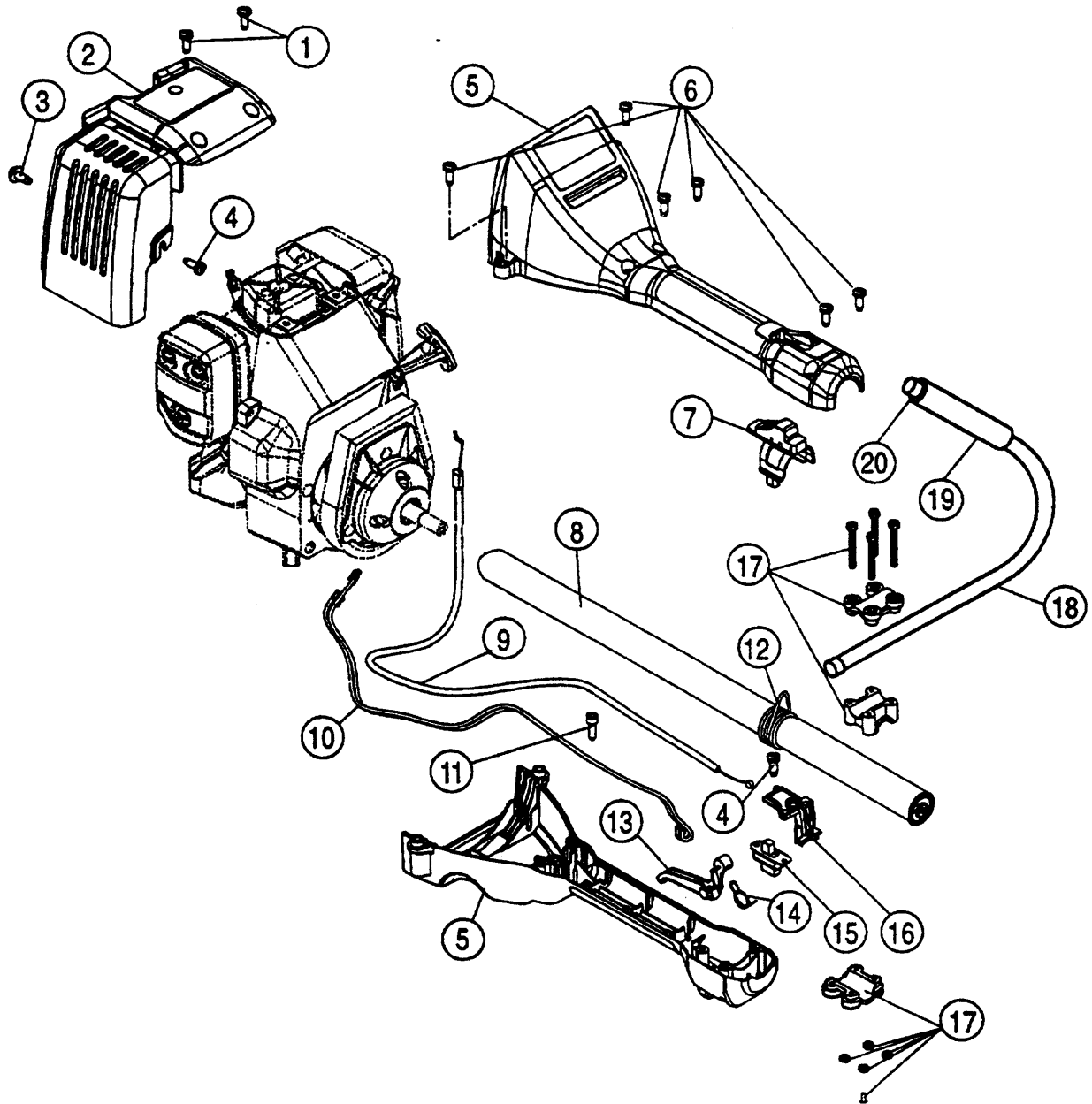


Item	Part No.	Description
1	612468	Spring, Compression
2	181070	Screw, M5 X 32mm
3	181071	Housing, Clutch
4	180232	Drum, Clutch
*	181102	Clutch Housing Assembly W/Drum (items 3 & 4)
5	181072	Isolator
6	181073	Clutch
7	181074	Washer, Clutch
*	181087	Starter Module Assembly (items 8-13, 15 & 16)
8	181075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



<u>Item</u>	<u>Part No.</u>	<u>Description</u>
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 (920r, 970r, and 990r only)
3	181105	Housing, Upper Drive (960r only)
9	181093	Cable, Throttle
10	181094	Lead, Wire 18" (2 required)

<u>Item</u>	<u>Part No.</u>	<u>Description</u>
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

# LOWER BOOM & CUTTING HEAD ASSEMBLY - RYOBI 990r

(Serial no. 411088141 and greater)

Item	Part No.	Description
1	181092	Housing, Upper Drive
2	683605	Split Boom Coupling Set
3	683606	Screw, Coupling Set
4	683607	Screw, Wing (qty 2)
5	180804	Housing, Lower Drive
6	613300	Shaft, Flexible Drive
7	147539	Hardware, Brush Blade Guard Mounting
8	147677	Mounting Hardware & Grease Plug Assembly
9	147488	Gearbox (items 8, 14, 17 and 18)
10	683304	Screw, Guard Mounting
11	180387	Guard, Cutting Head (includes item 12)
12	682061	Blade Assembly
13	147492	Guard Mount
14	147489	Driver
15	145873	Blade, Brush (includes item 16)
16	147670	Cover, Blade
17	147490	Washer, Retainer
18	147491	Nut, Lock
19	612483	Shaft, Spool
20	147494	Spool, Outer W/Eyelet (includes item 22)
21	145566	Eyelet
22	612026	Retainer
23	610636	Spring
24	147495	Reel, Inner
25	180814	Bump Head Knob Assembly
*	147299	Locking Rod Tool
*	682075	Shoulder Strap Assembly

### Optional Accessories

*	180120	Monoflail Cutting Line (50 ft)
*	147345	Spool and Line Assembly (40 ft)
*	147498	Complete Head Assembly (items 19-25)
*	180014	Blade Retaining Kit (items 17 and 18)
*	181100	Oil, SAE 30 100ml Bottle
*	181101	Spout, Oil Fill

\* not shown

