

RYOBI
Backpack Blower
RY08420A - Page 2
RY08420B - Page 9

TECHTRONIC INDUSTRIES POWER EQUIPMENT

P.O. Box 1288, Anderson, SC 29622 USA
1-800-860-4050 • www.ryobitools.com

RYOBI
Backpack Blower Item No.
RY08420A & RY42BPEMC
Mfg. No. 090156011 & 090156012
Repair Sheet

TECHTRONIC INDUSTRIES POWER EQUIPMENT

1428 Pearman Dairy Road
Anderson, SC 29625 USA
1-800-860-4050

RYOBI BACKPACK BLOWER – ITEM NO. RY08420A & RY42BPEMC

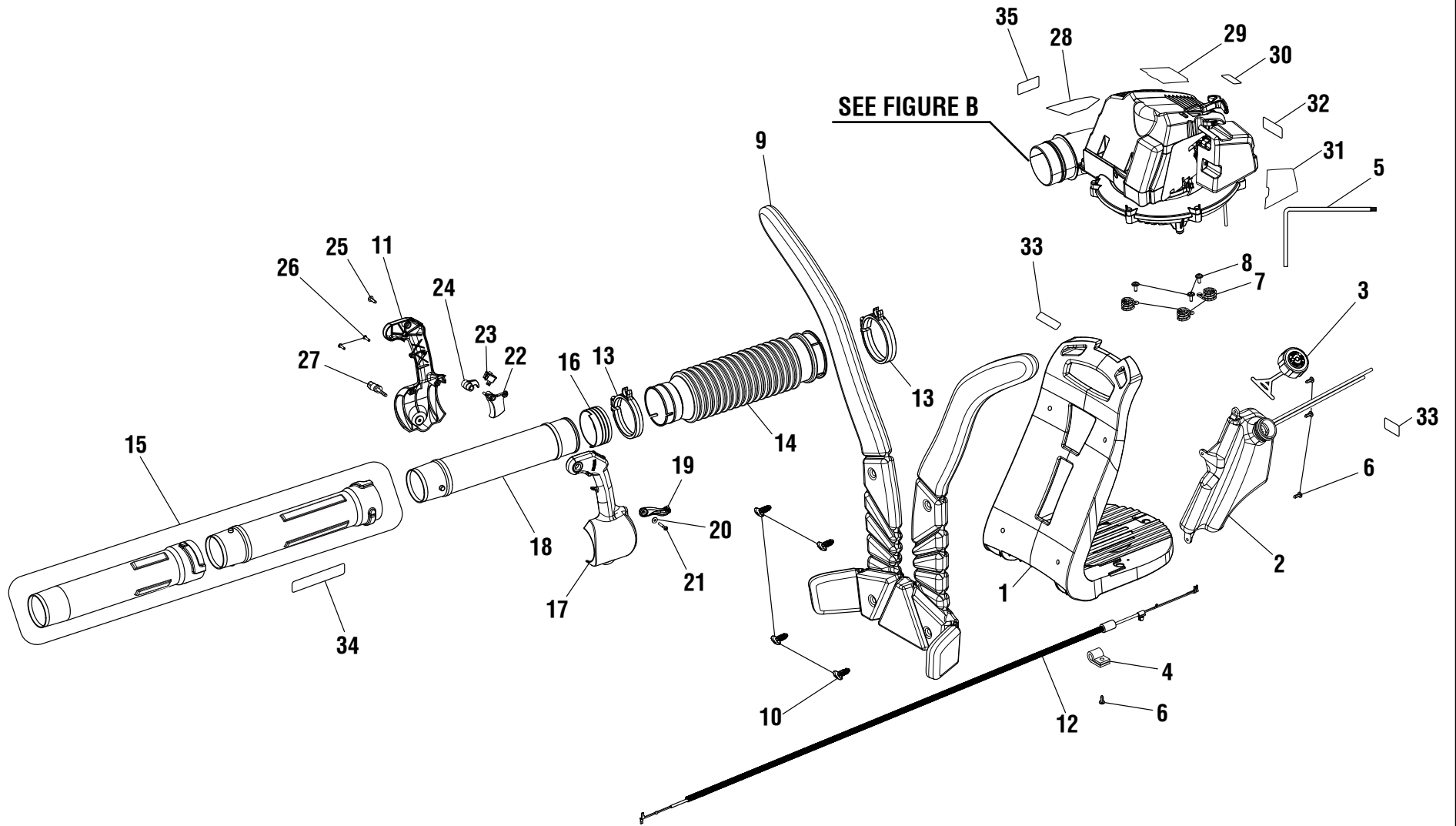


FIGURE A

RYOBI BACKPACK BLOWER – ITEM NO. RY08420A & RY42BPEMC

PARTS LIST (FIGURE A)

KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
1	204649001	Frame w/Labels	1	21	660666001	Screw (8-14 x 25 mm).....	1
2	204651001	Fuel Tank Assembly w/Fuel Lines and Label	1	22	518255005	Trigger	1
3	310816015	Fuel Cap Assembly w/Tether	1	23	760961002	Stop Switch	1
4	678561001	Cable Clamp	1	24	518150001	Trigger Lock	1
5	631055012	Wrench (T-25).....	1	25	660629001	Screw (10-14 x 3/4 in.).....	1
6	660614001	Screw (10-14 x 14 mm).....	4	26	660734001	Screw (M4 x 16 mm, Pan Hd.).....	2
7	679950001	Spring.....	3	27	518273002	Knob	1
8	660626006	Screw (10-14 x 16 mm).....	3	28	941727002	Combustion Warning Label	1
9	901588003	Strap	1	29	940991051	Model Label	1
10	525644002	Harness Snap Fastener	4	30	941738001	Choke Label.....	1
11	518272004	Right Hand Handle.....	1	31	941739001	Start Instructions Label.....	1
12	290298003	Throttle Cable	1	32	941740001	Logo Label	2
13	580465001	Clamp Assembly Kit	1	33	941727003	Warning Label	1
14	580693004	Tube	1	34	941710010	Ryobi Tube Label	1
15	310845009	Blower Tube Assembly	1	35	940803288	EMC Label (RY42BPEMC).....	1
16	518481003	Upper Blower Tube Bushing	1		Not Shown		
17	518271004	Left Hand Handle.....	1	991000578	Operator's Manual (961172001)		
18	580692003	Upper Tube	1	5-25-17			
19	518160007	Cruise Lever.....	1	(Rev:01)			
20	678125001	Washer (OD12 x ID4.3 x 1.5t).....	1				

RYOBI BACKPACK BLOWER – ITEM NO. RY08420A & RY42BPEMC

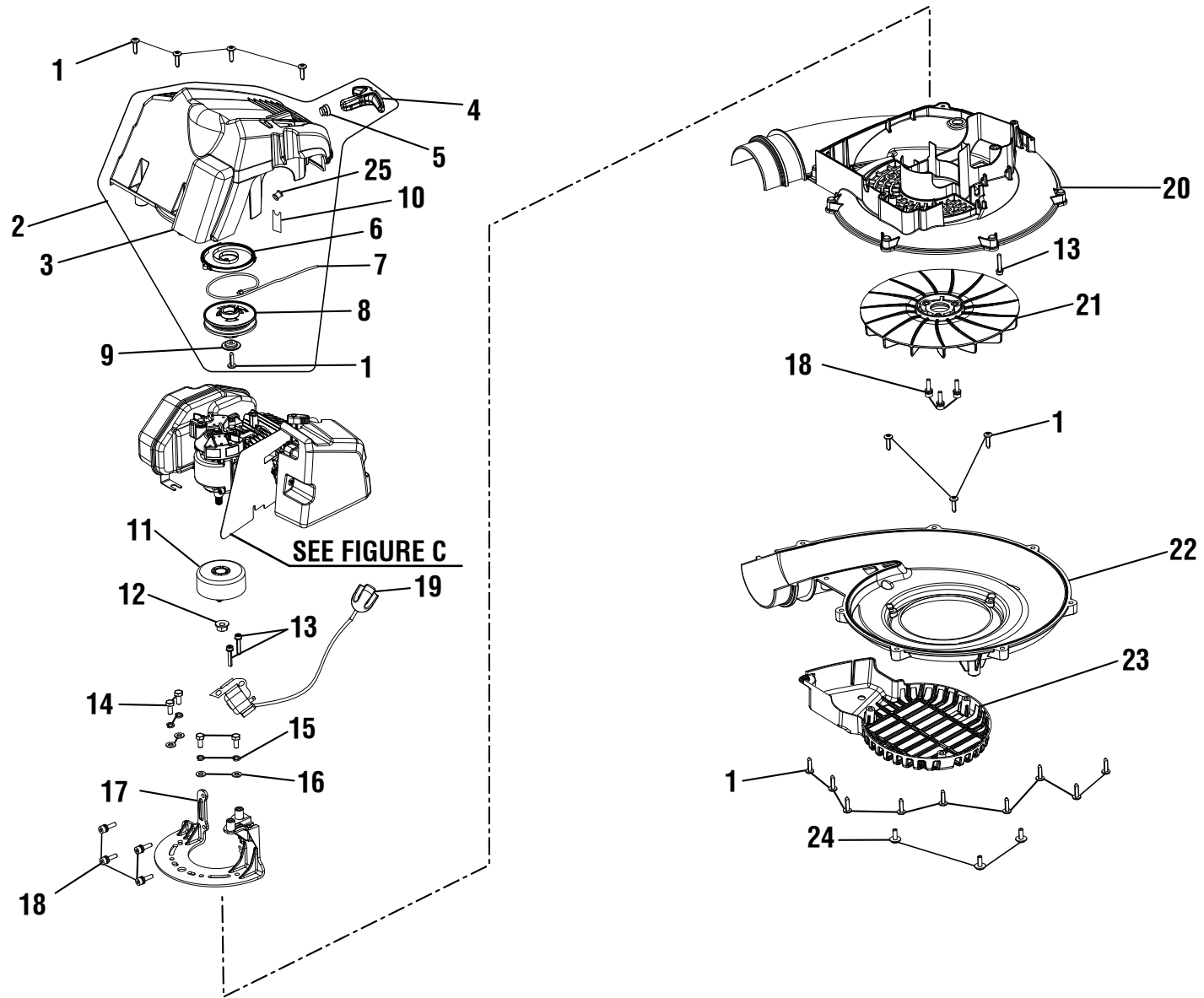


FIGURE B

RYOBI BACKPACK BLOWER – ITEM NO. RY08420A & RY42BPEMC

PARTS LIST (FIGURE B)

KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
1	660629005	Screw (10-14 x 19 mm, T-25 Torx)	17	14	661431003	Screw (M6 x 14 mm).....	4
2	204654001	Engine Cover w/Starter Assembly w/Labels (Inc. Key Nos. 3-9 and 25-26)	1	15	693001001	Spring Washer (ID6.4 x 1.6t).....	4
3	204653001	Engine Cover w/Heatshields, Eyelet & Labels.....	1	16	693002001	Washer (OD12.9 x ID6.6 x 1.2t).....	4
4	511731004	Starter Grip	1	17	634062001	Engine Mount	1
5	638088002	Eyelet.....	1	18	660344007	Screw (M5 x 0.8 in., 20 Torx)	7
6	638033001	Container Spring Assembly	1	19	291424005	Ignition Module (RY08420A).....	1
7	900849002	Starter Rope	1		291424008	Ignition Module (RY42BPEMC)	1
8	521519001	Solid Pulley	1	20	204652001	Inner Volute w/Label.....	1
9	638980001	Starter Cap	1	21	518265004	Fan.....	1
10	522600003	Eyelet Support.....	1	22	524586001	Outer Volute.....	1
11	679052003	Fan Disk.....	1	23	523926003	Intake Grill	1
12	678018001	Lock Nut (M8).....	1	24	660626006	Screw (10-14 x 16 mm)	3
13	660613001	Screw (M5 x 25 mm, T-25 Torx).....	3	25	638088004	Eyelet.....	1

RYOBI BACKPACK BLOWER – ITEM NO. RY08420A & RY42BPEMC

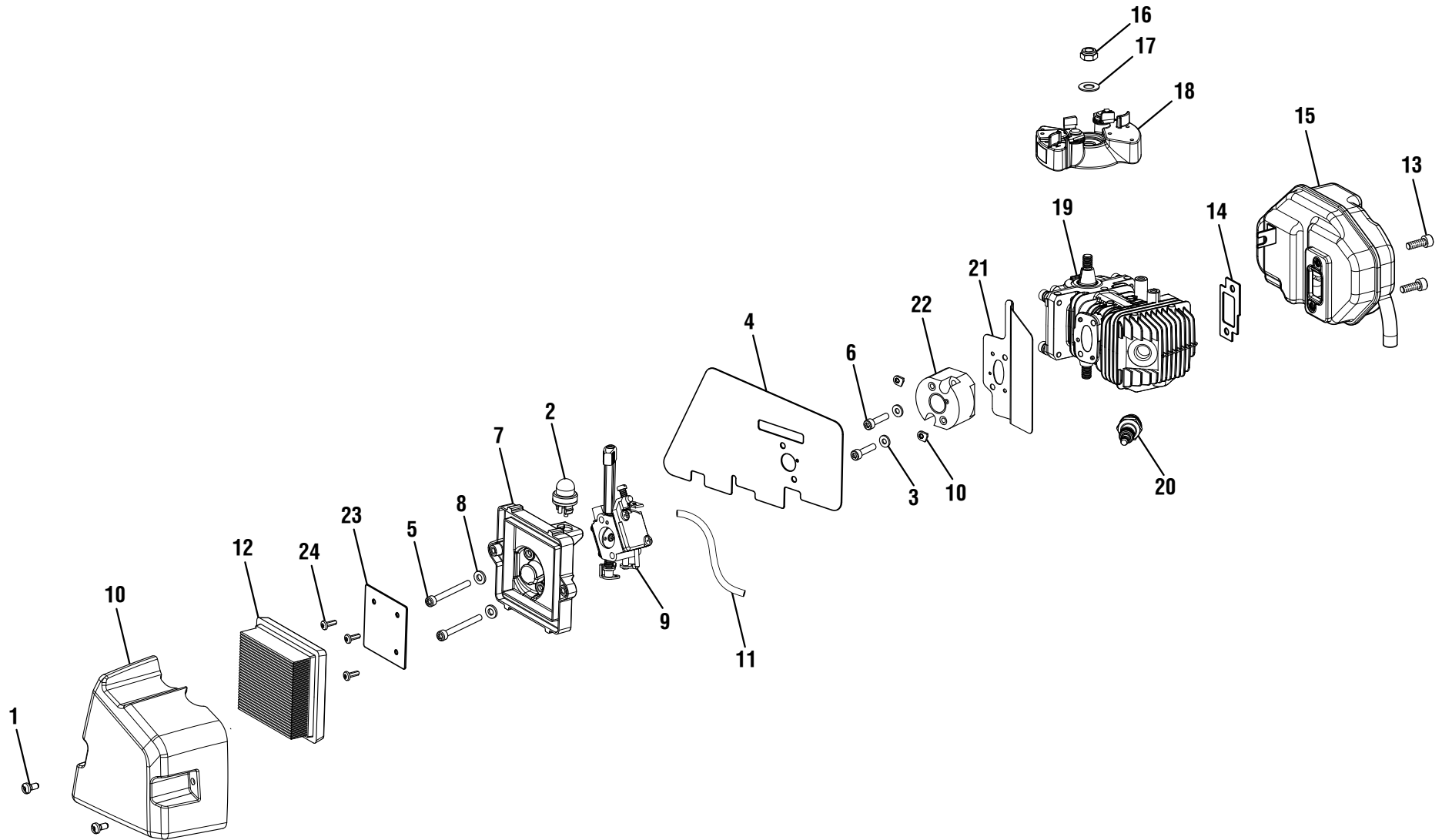


FIGURE C

RYOBI BACKPACK BLOWER – ITEM NO. RY08420A & RY42BPEMC

PARTS LIST (FIGURE C)

KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
1	660510009	Screw (M5, Special).....	2	13	660612001	Bolt (1/4-20 x 18 mm).....	2
2	300780002	Primer Assembly	1	14	901653007	Gasket	1
3	678343002	Spring Washer (M5).....	2	15	309330004	Exhaust Assembly	1
4	562927009	Gasket	1	16	678067001	Lock Nut (M8).....	1
5	660347001	Screw (M5 x 50 mm, Soc. Hd.)	2	17	631049001	Washer (ID9 x OD17.7 x 1.1t).....	1
6	661832001	Screw (M5 x 0.8 in.).....	2	18	309013004	Flywheel Assembly	1
7	533688001	Air Box Kit w/Labels.....	1	19	309842001	Short Block Assembly	1
8	671080001	Washer (ID5.8 x OD11.5 x 1.7t).....	2	20	870170001	Spark Plug (RCJ4).....	1
9	308054093	Carburetor (Walbro, WT-1086).....	1	21	562927003	Gasket	1
10	638980003	Washer (Heat Dam).....	2	22	524583003	Heat Dam	1
11	570373049	Fuel Line	1	23	638091011	Spacer	1
12	900777005	Air Filter	1	24	660345001	Screw (M4 x 12 mm, Pan Hd.).....	3

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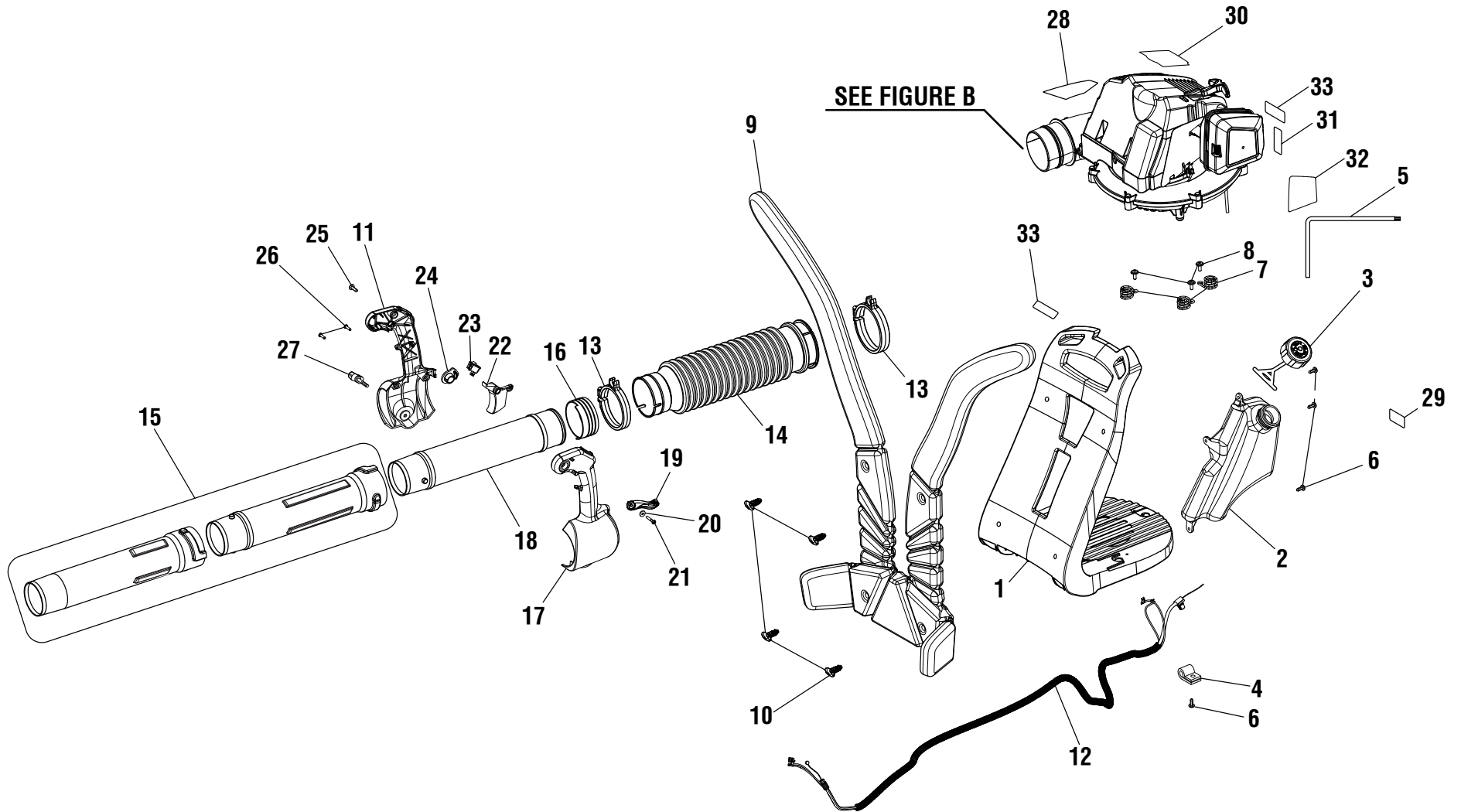


FIGURE A

RYOBI BACKPACK BLOWER – ITEM NO. RY08420B

PARTS LIST (FIGURE A)

KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
1	524584001	Frame.....	1	20	678125001	Washer (OD12 x ID4.3 x 1.5t).....	1
2	310752034	Fuel Tank Assembly	1	21	660666001	Screw (8-14 x 25 mm).....	1
3	310816015	Fuel Cap Assembly	1	22	518255009	Trigger	1
4	678561001	Cable Clamp	1	23	760961002	Stop Switch	1
5	631055012	Wrench (L-25).....	1	24	532546001	Cruise Control Actuator	1
6	660614001	Screw (10-14 x 14 mm).....	4	25	660629001	Screw (10-14 x 3/4 in.).....	1
7	679950001	Spring.....	3	26	660734001	Screw (M4 x 16 mm, Pan Hd.).....	2
8	660626006	Screw (10-14 x 16 mm).....	3	27	518273002	Knob	1
9	901588003	Strap	1	28	941727002	Combustion Warning Label	1
10	525644002	Harness Snap Fastener	4	29	941727003	Warning Label	1
11	518272005	Right Hand Handle.....	1	30	940991051	Model Label	1
12	290298007	Throttle Cable	1	31	941738008	Choke Label.....	1
13	390023002	Clamp Assembly Kit.....	1	32	941739002	Start Instructions Label.....	1
14	580693004	Tube	1	33	941740001	Logo Label	2
15	310845009	Blower Tube Assembly	1		Not Shown		
16	518481003	Upper Blower Tube Bushing	1		120900270	High Altitude Kit	
17	518271005	Left Hand Handle.....	1		995000177	Operator's Manual	
18	580692003	Upper Tube	1		7-30-18		
19	533440001	Cruise Lever.....	1		(Rev:01)		

RYOBI BACKPACK BLOWER – ITEM NO. RY08420B

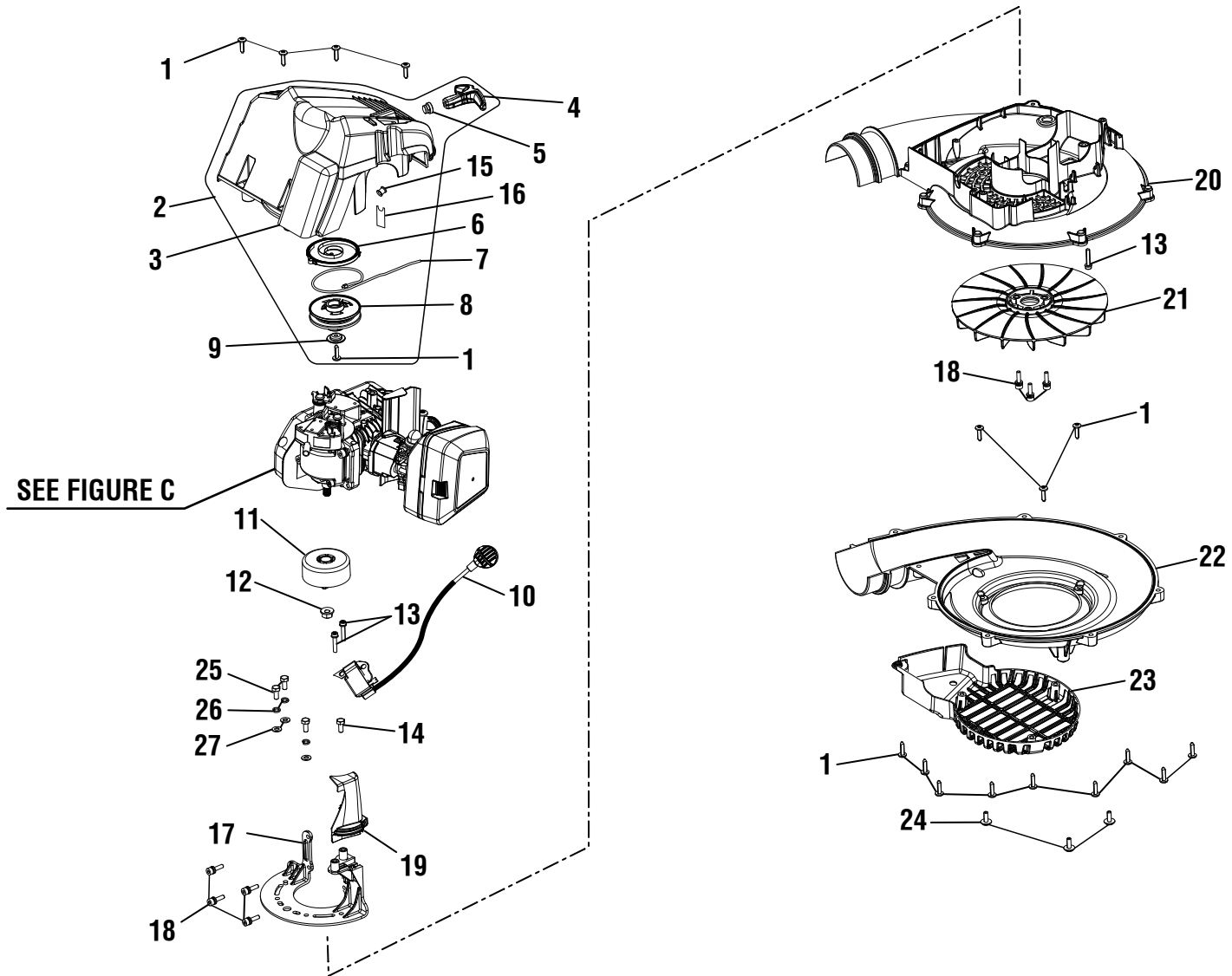


FIGURE B

RYOBI BACKPACK BLOWER – ITEM NO. RY08420B

PARTS LIST (FIGURE B)

KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
1	660629005	Screw (10-14 x 19 mm, T-25 Torx)	17	14	661431002	Screw (M6 x 16 mm).....	1
2	308563013	Engine Cover w/Starter Assembly (Inc. Key Nos. 3-9 and 25-26)	1	15	638088004	Eyelet.....	1
3	524587002	Motor Cover	1	16	522600003	Eyelet Support.....	1
4	511731004	Starter Grip.....	1	17	634062001	Engine Mount	1
5	638088002	Eyelet.....	1	18	660344007	Screw (M5 x 0.8 in., 20 Torx)	7
6	638033001	Container Spring Assembly.....	1	19	679462002	Cable Guide/Baffle Plate	1
7	900849002	Starter Rope	1	20	523921004	Inner Volute.....	1
8	521519001	Solid Pulley.....	1	21	518265004	Fan.....	1
9	638980001	Starter Cap	1	22	524586001	Outer Volute.....	1
10	291424009	Ignition Module.....	1	23	523926003	Outer Volute Cover	1
11	679052003	Fan Disk.....	1	24	660626006	Screw (10-14 x 16 mm)	3
12	678018001	Lock Nut (M8).....	1	25	661431003	Screw (M6 x 14 mm).....	3
13	660613001	Screw (M5 x 25 mm, T-25 Torx).....	3	26	693001001	Spring Washer (ID6.4 x 1.6t).....	3
				27	693002001	Washer (OD12.9 x ID6.6 x1.2t).....	3

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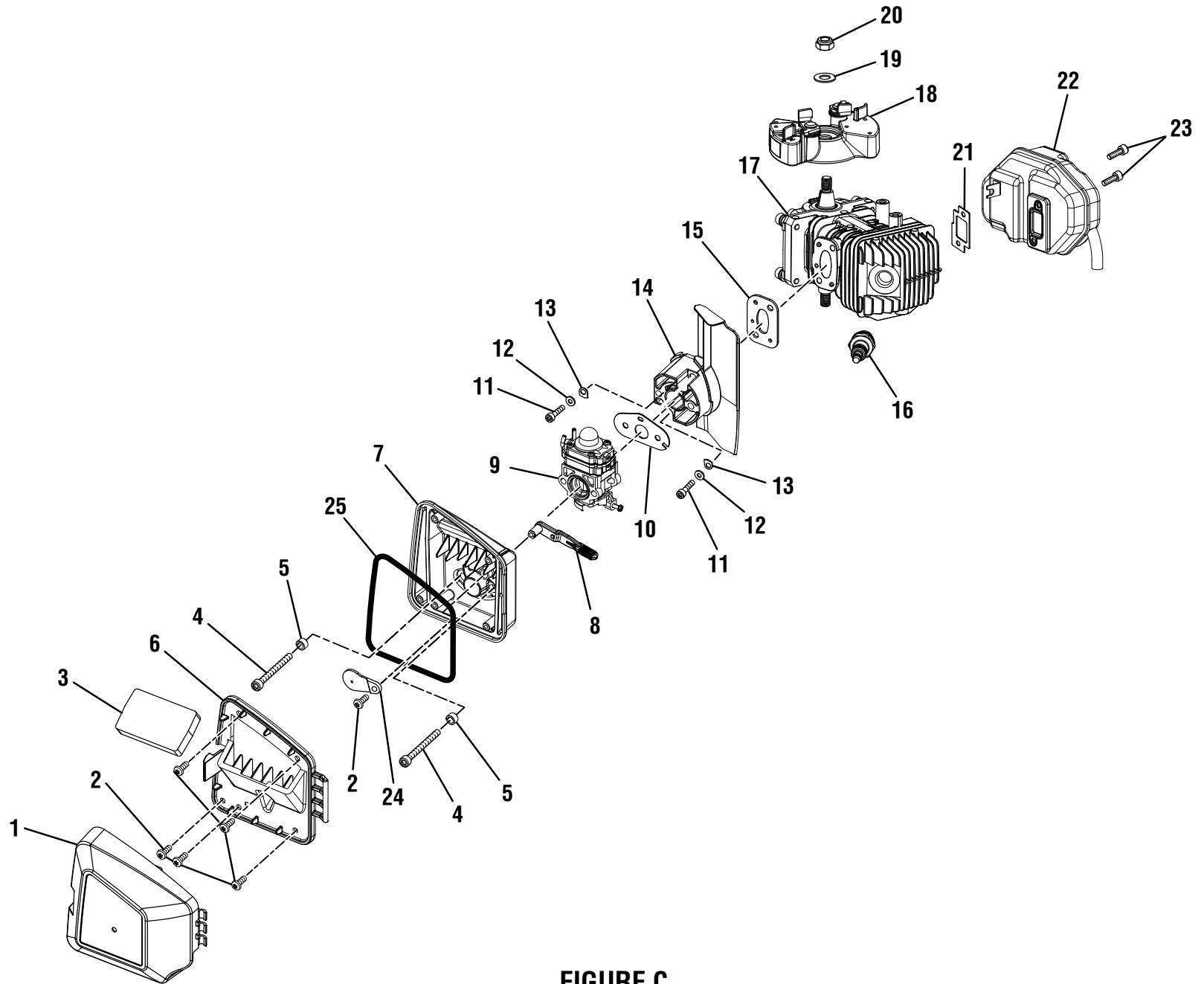


FIGURE C

RYOBI BACKPACK BLOWER – ITEM NO. RY08420B

PARTS LIST (FIGURE C)

KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
1	523924005	Air Box Cover	1	13	638980003	Washer (Heat Dam).....	2
2	660345001	Screw (M4 x 12 mm, T20 Torx Pan Hd.).....	5	14	524583005	Heat Dam	1
3	901652001	Air Filter	1	15	562927010	Heat Dam Gasket	1
4	660347003	Screw (M5 x 50 mm, Soc. Hd.)	2	16	870170001	* Spark Plug (RCJ4)	1
5	678515015	Washer (ID5.8 x OD11.5 x 1.7t).....	2	17	309842001	Short Block Assembly	1
6	525019002	Midplate.....	1	18	309013005	Flywheel Assembly	1
7	523923002	Air Box Base.....	1	19	631049001	Washer (ID9 x OD17.7 x 1.1t).....	1
8	590458026	Choke Lever	1	20	678067001	Lock Nut (M8).....	1
9	308054202	Carburetor (Walbro, WYJ-536) (Inc. Key No. 8).....	1	21	901653007	Gasket	1
10	900711015	Gasket Carb-Heat Dam.....	1	22	309330004	Exhaust Assembly	1
11	661832001	Screw (M5 x 0.8 in.).....	2	23	660612001	Bolt (1/4-20 x 18 mm).....	2
12	678343002	Spring Washer (M5).....	2	24	590946007	Choke Plate	1
				25	570107005	Airbox Gasket.....	1

* Standard Hardware Item – May Be Purchased Locally