

Homelite®

ILLUSTRATED PARTS BOOK

4-Cycle High-Wheel Field Trimmer

UT13144

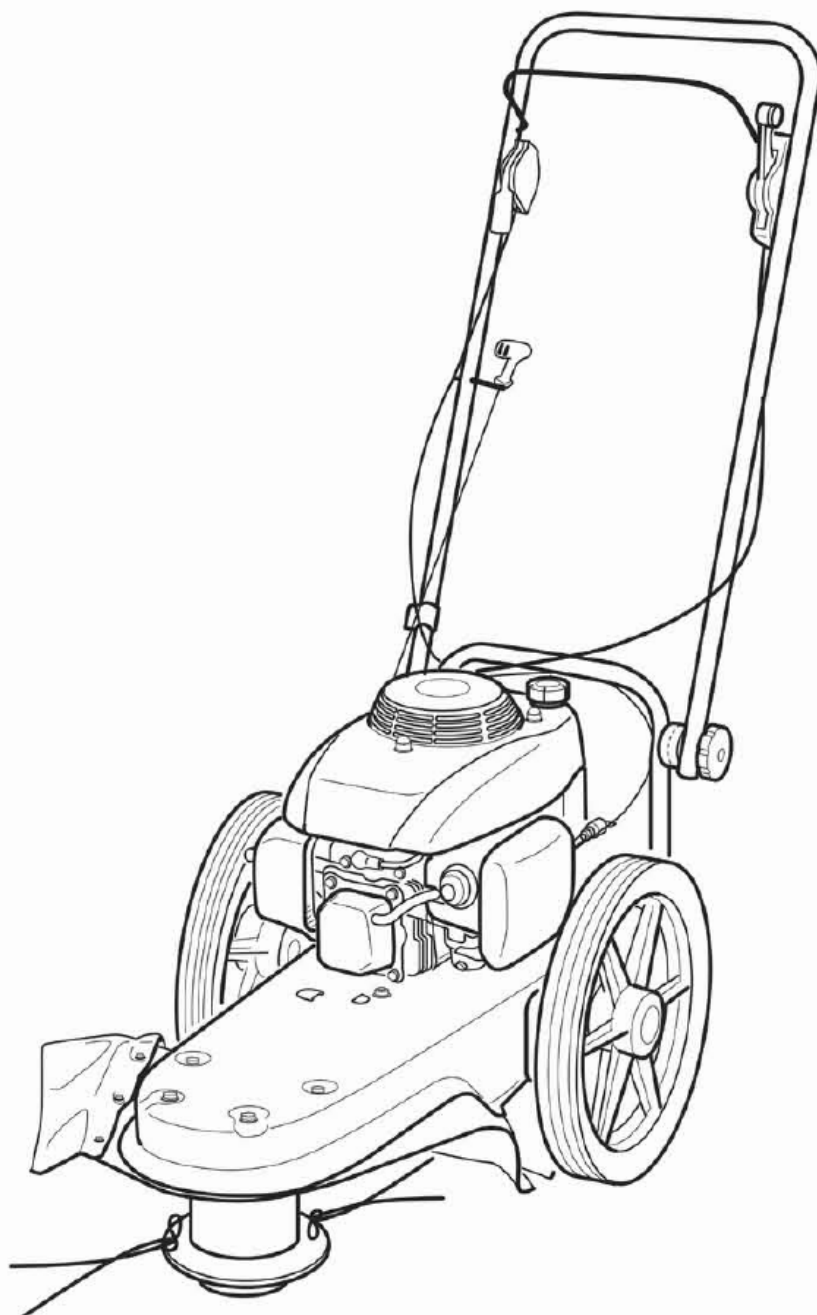
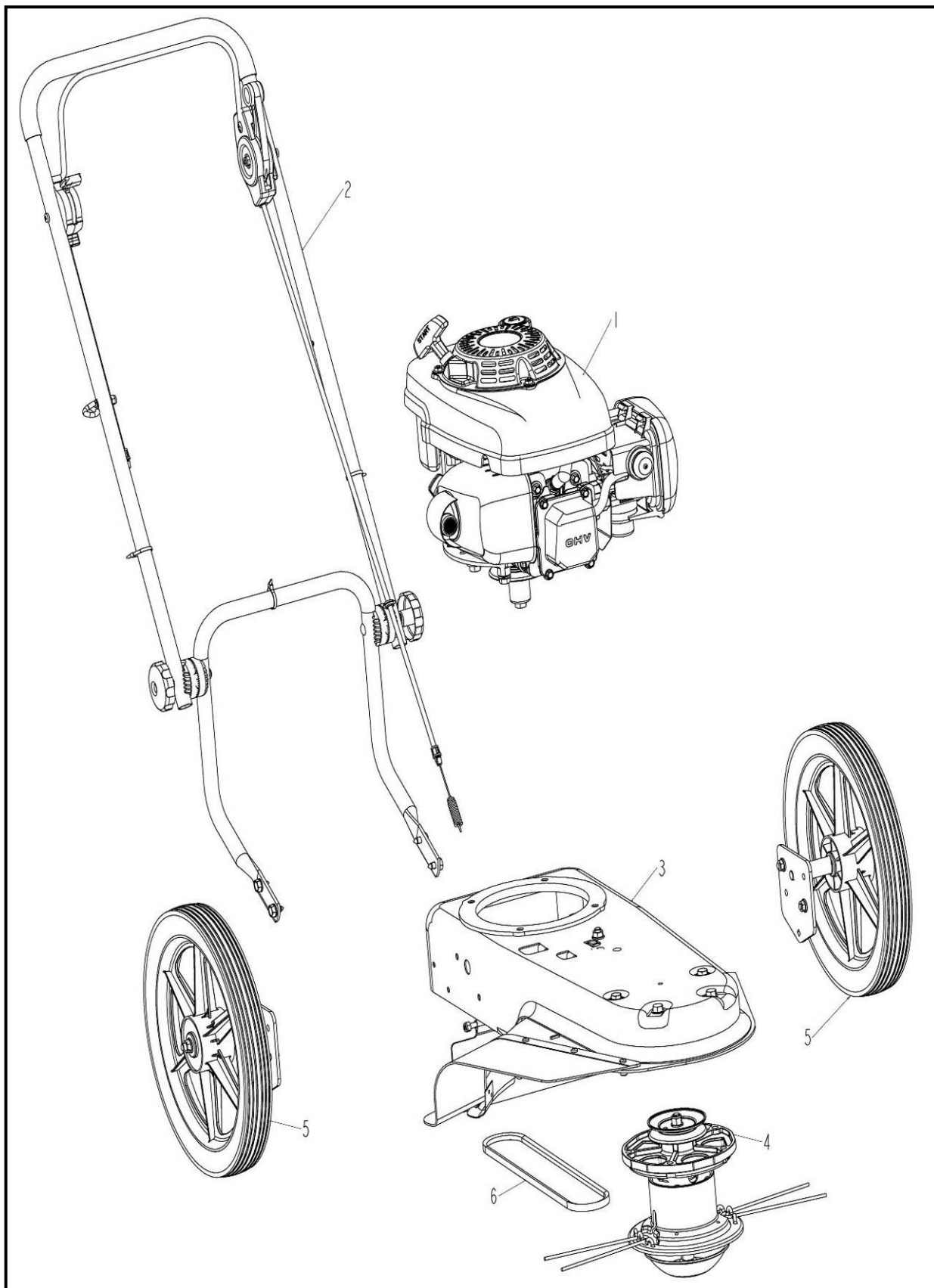


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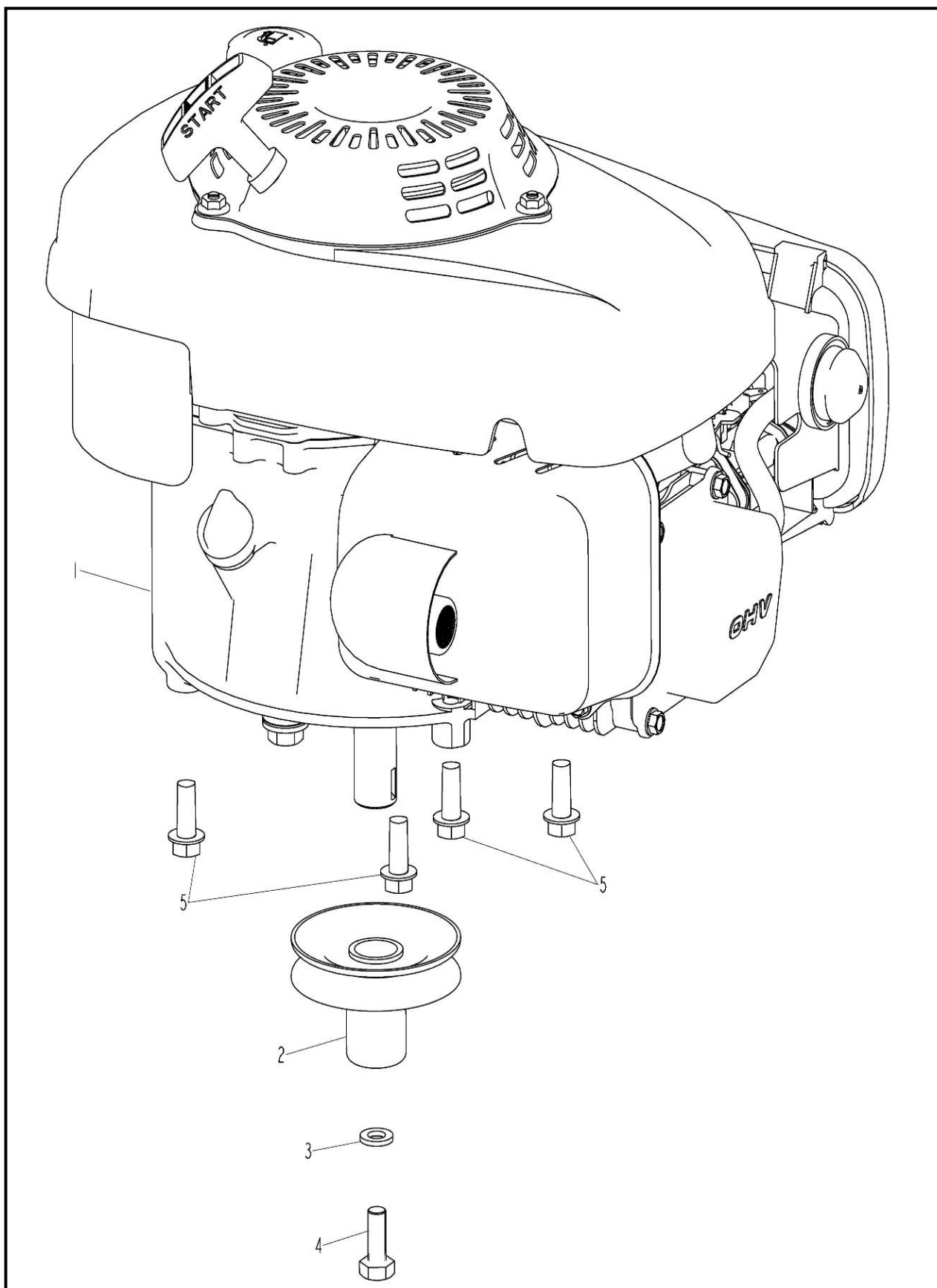
Top Level Assembly



Top Level Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Engine Top-Level Assy	See page 5	1
2	Handle Assy	See page 7	1
3	Frame Assy	See page 9	1
4	Cutting Head Assy	See page 11	1
5	Wheel Assy	See page 13	2
6	Belt, Trimmer	A100539	1

Engine – Top Level Assembly



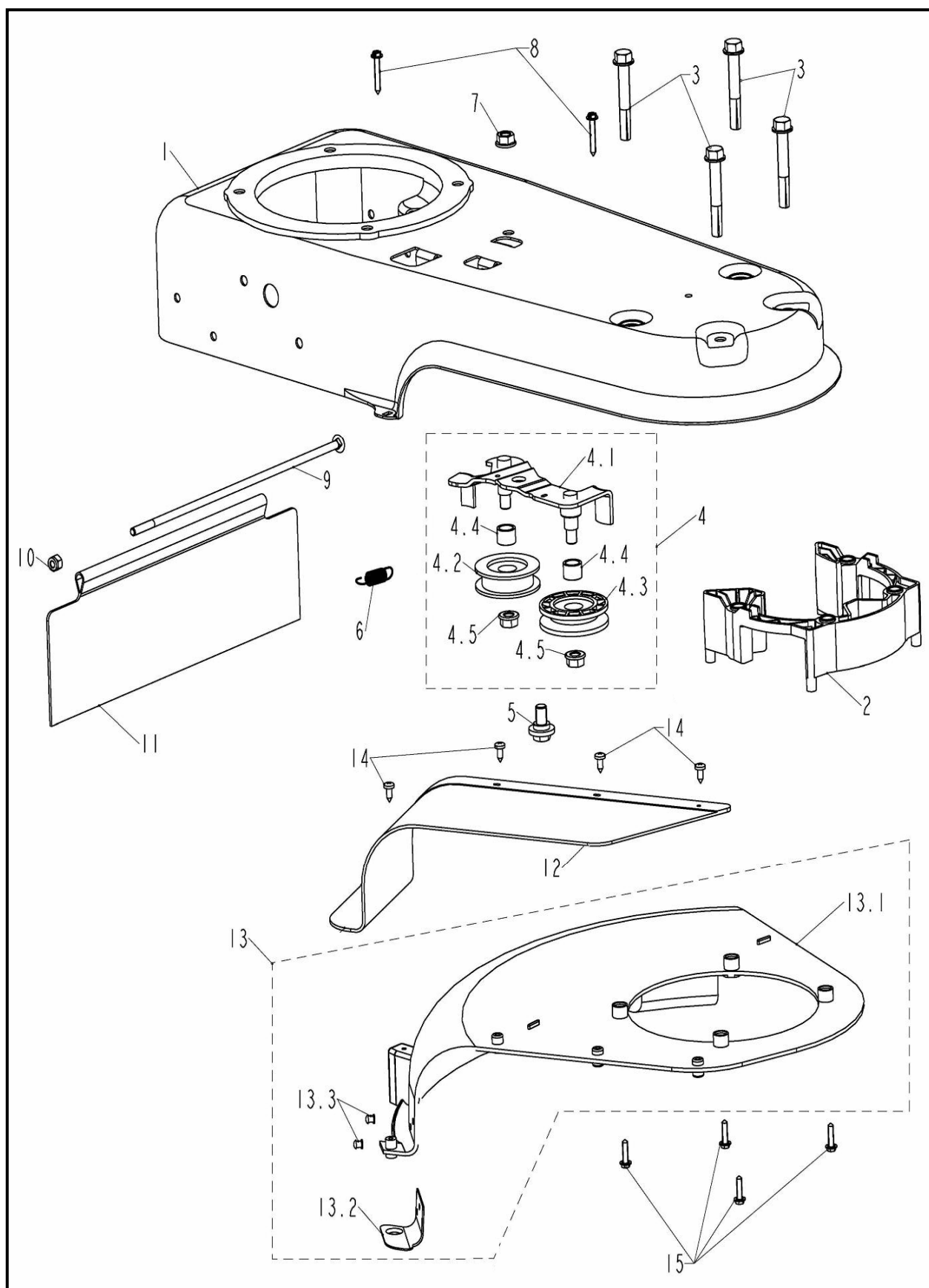
Engine – Top Level Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Engine Sub-Level Assy	A100535	1
2	Pulley, Engine	A100536	1
3	Lock Washer, $\Phi 10$	A100537	1
4	Bolt, Hex Head 3/8-24x1.0	A100538	1
5	Screw, Engine, 3/8-16x1.0	A100540	4

Handle Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Upper Handle	A100541	1
2	Lever, Stop	A100542	1
3	Lower Handle	A100543	1
4	Pivot, Handle	A100544	4
5	Washer, Spring	A100545	2
6	Washer	A100546	2
7	Screw, 5/16-18x.62 HHWA TAP	A100547	4
8	Tie, Cable	A100548	3
9	Guide, Rope	A100521	1
10	Knob, Handle	A100550	2
11	Control, Throttle	A100551	1
12	Cable, Control	A100552	1
13	Tubing, Foam	A100553	1
14	Bolt, Carriage M8x85	A100554	2
15	Nut, Nylon Lock M6	A100506	2
16	Screw, PHPN M6x50	A100555	2
17	Nut, 1/4-20	A100707	1

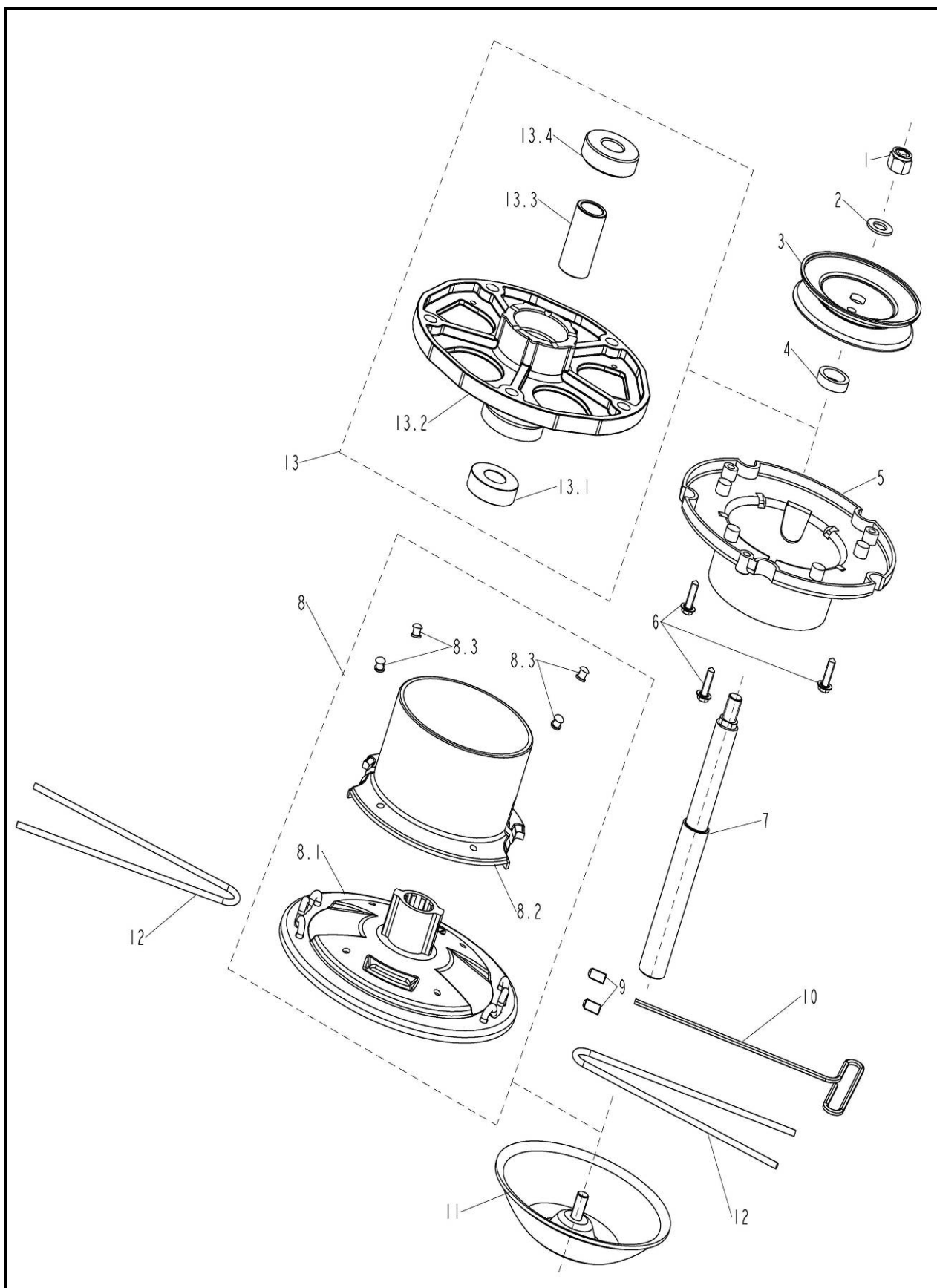
Frame Assembly



Frame Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Frame, Trimmer	A100561	1
2	Spacer, Drive Belt	A100562	1
3	Screw, 3/8-16x2.5 HXWATAP	A100563	4
4	Bracket, Idler Assy	A100835	1
4.1	Bracket, Idler	A100564	1
4.2	Pulley, Idler	A100565	1
4.3	"V" Pulley	A100566	1
4.4	Spacer	A100836	2
4.5	Lock Nut, M10	A100462	2
5	Bolt, HSSH	A100569	1
6	Spring, Extension	A100570	1
7	Lock Nut, M10	A100462	1
8	Screw, #10-16x1.25	A100573	2
9	Bolt, Carriage, M6x283	A100574	1
10	Nut, Nylon Lock M6	A100506	1
11	Shield, Trailing	A100571	1
12	Flap, Debris	A100572	1
13	Shield Assy	A100837	1
13.1	Shield, Trimmer	For reference only	1
13.2	Blade	For reference only	1
13.3	Rivet	For reference only	2
14	Screw, ST4.8x12	A100575	4
15	Screw, #10-16x.75	A100576	4

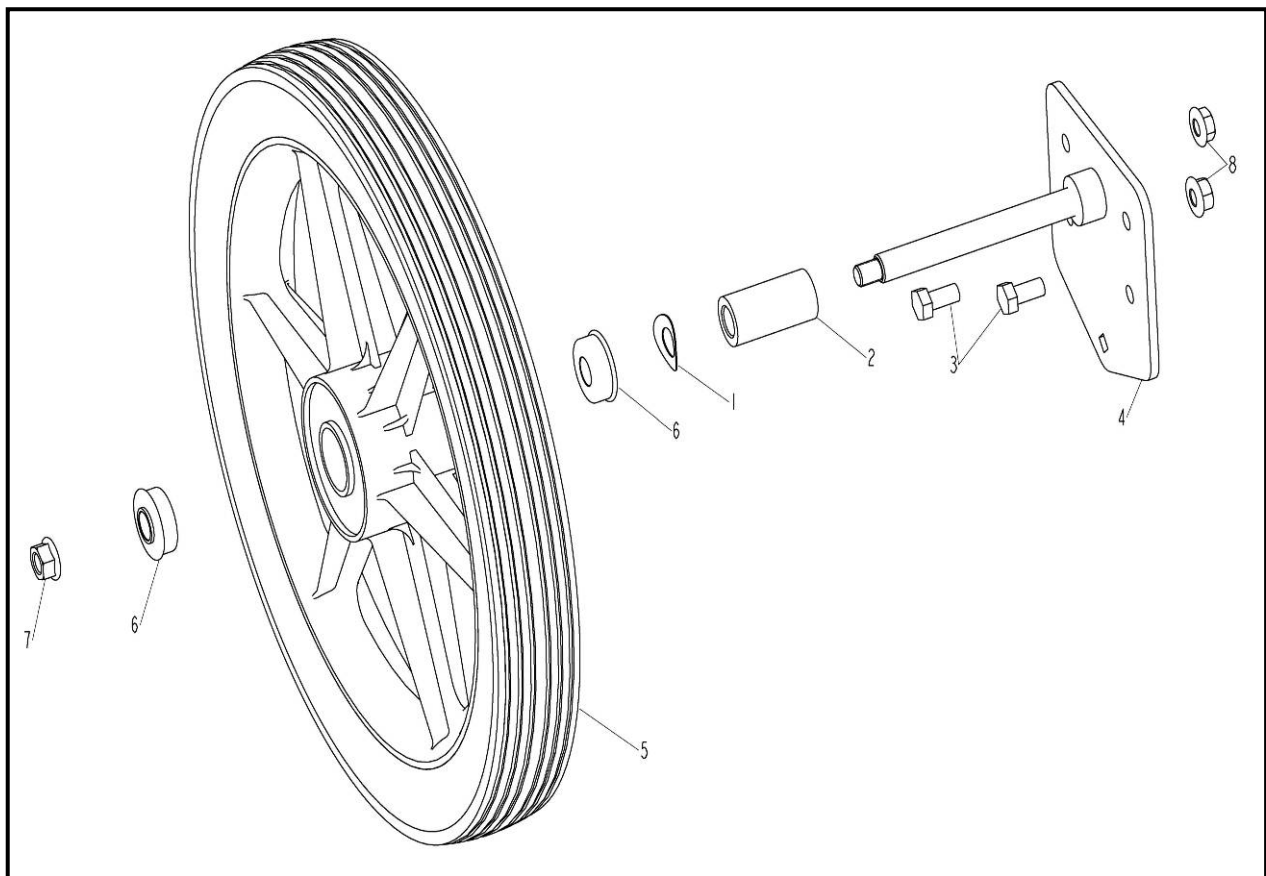
Cutting Head Assembly



Cutting Head Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Nut, M10x1.25	A100703	1
2	Washer, Flat Φ 10	A100577	1
3	Pulley, Cutting Head	A100578	1
4	Spacer	A100579	1
5	Wrap Weed, Upper BLK	A100580	1
6	Screw, #10-16x.75	A100576	3
7	Shaft, Cutting Head	A100582	1
8	Cutter Head & Wrap Assy	A100840	1
8.1	Cutter Head	For reference only	1
8.2	Wrap Weed, Lower BLK	For reference only	1
8.3	Rivet	For reference only	4
9	Screw, M6x12	A100584	2
10	Wrench, T-Handle	A100585	1
11	Guide, Height	A100587	1
12	Line, Trimmer	For reference only	2
13	Jackshaft Housing Assy	A100839	1
13.1	Bearing, 99502	A100592	1
13.2	Housing, Jackshaft	A100590	1
13.3	Spacer	A100591	1
13.4	Bearing, 6203-2DLRS-5/8	A100589	1

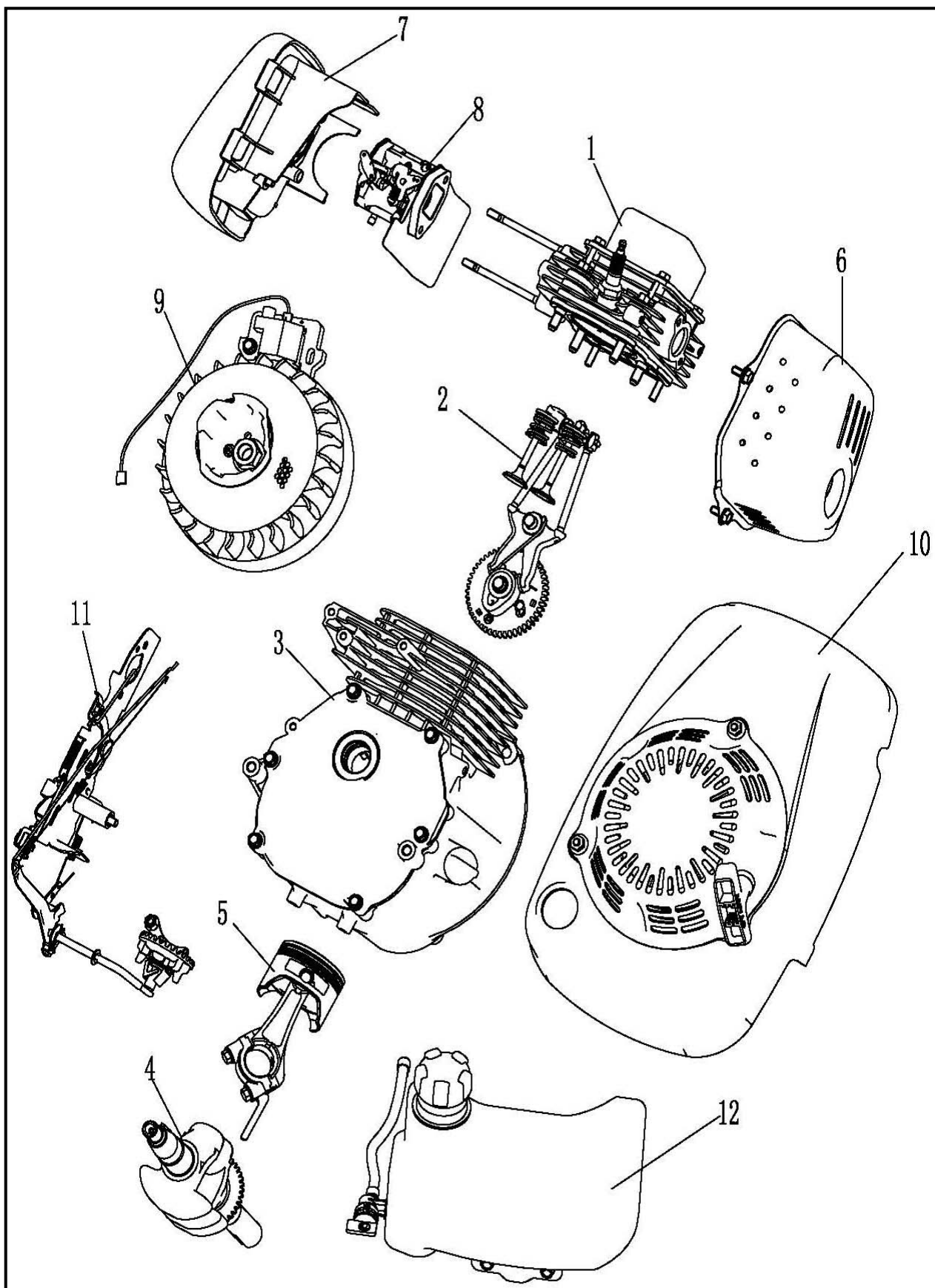
Wheel Assembly



Wheel Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Washer, Spring	A100557	1
2	Spacer	A100556	1
3	Bolt, Hex Head M8x16	A100800	2
4	Axle & Bracket	A100558	1
5	Wheel & Tire	A100559	1
6	Bearing	A100560	2
7	Lock Nut, M10	A100462	1
8	Nut, M8	A100801	2

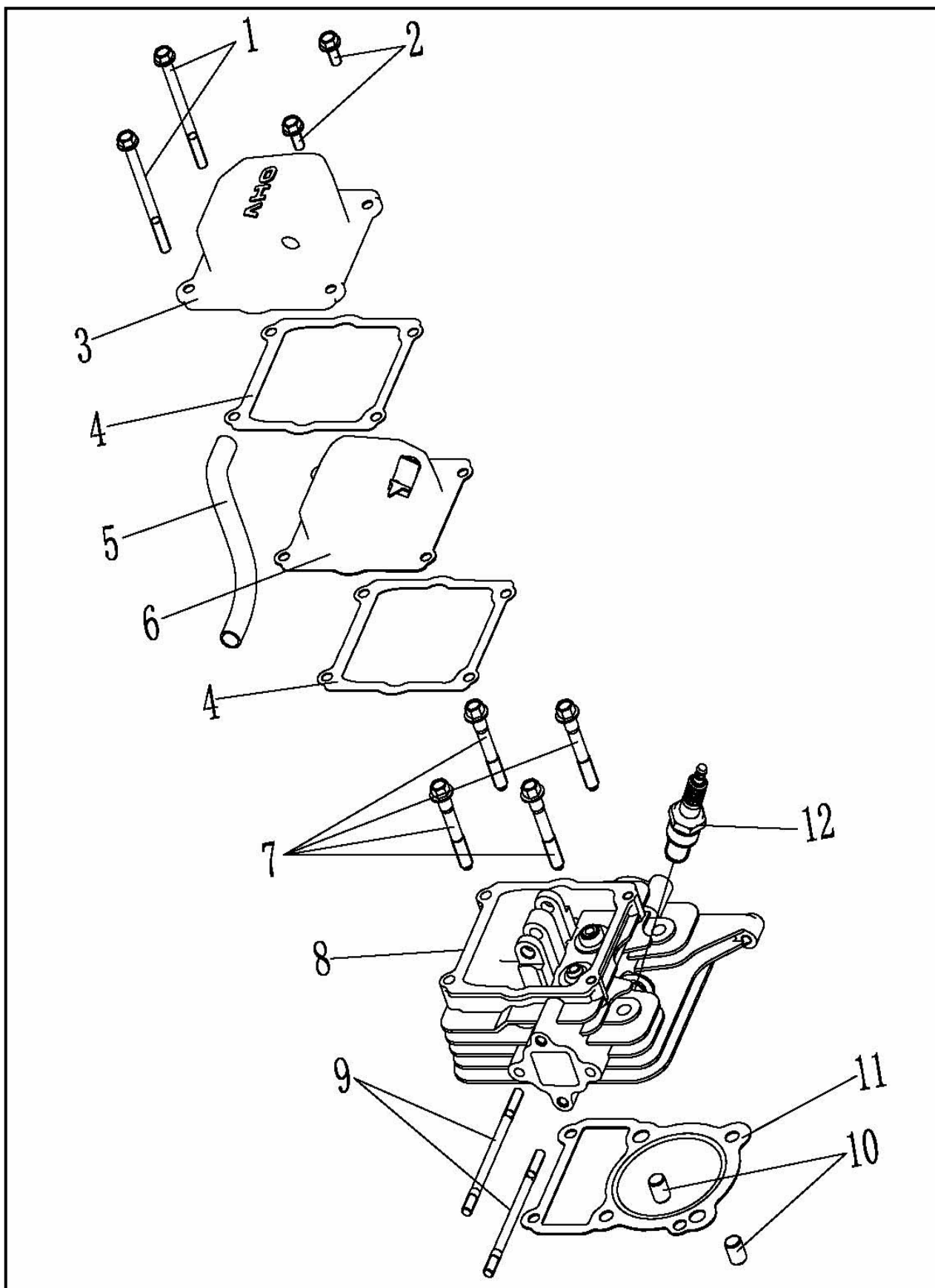
Engine Sub-Assemblies



Engine Sub-Assemblies

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Cylinder Head Assy	See page 17	1
2	Valve Timing Assy	See page 19	1
3	Crankcase Assy	See page 21	1
4	Crankshaft Assy	See page 23	1
5	Piston & Connecting Rod Assy	See page 24	1
6	Muffler Assy	A100699	1
7	Air Filter Assy	See page 27	1
8	Carburetor Assy	See page 29	1
9	Ignition System Assy	See page 31	1
10	Engine Cover Assy	See page 33	1
11	Throttle / Governor Assy	See page 35	1
12	Fuel Tank Assy	See page 37	1

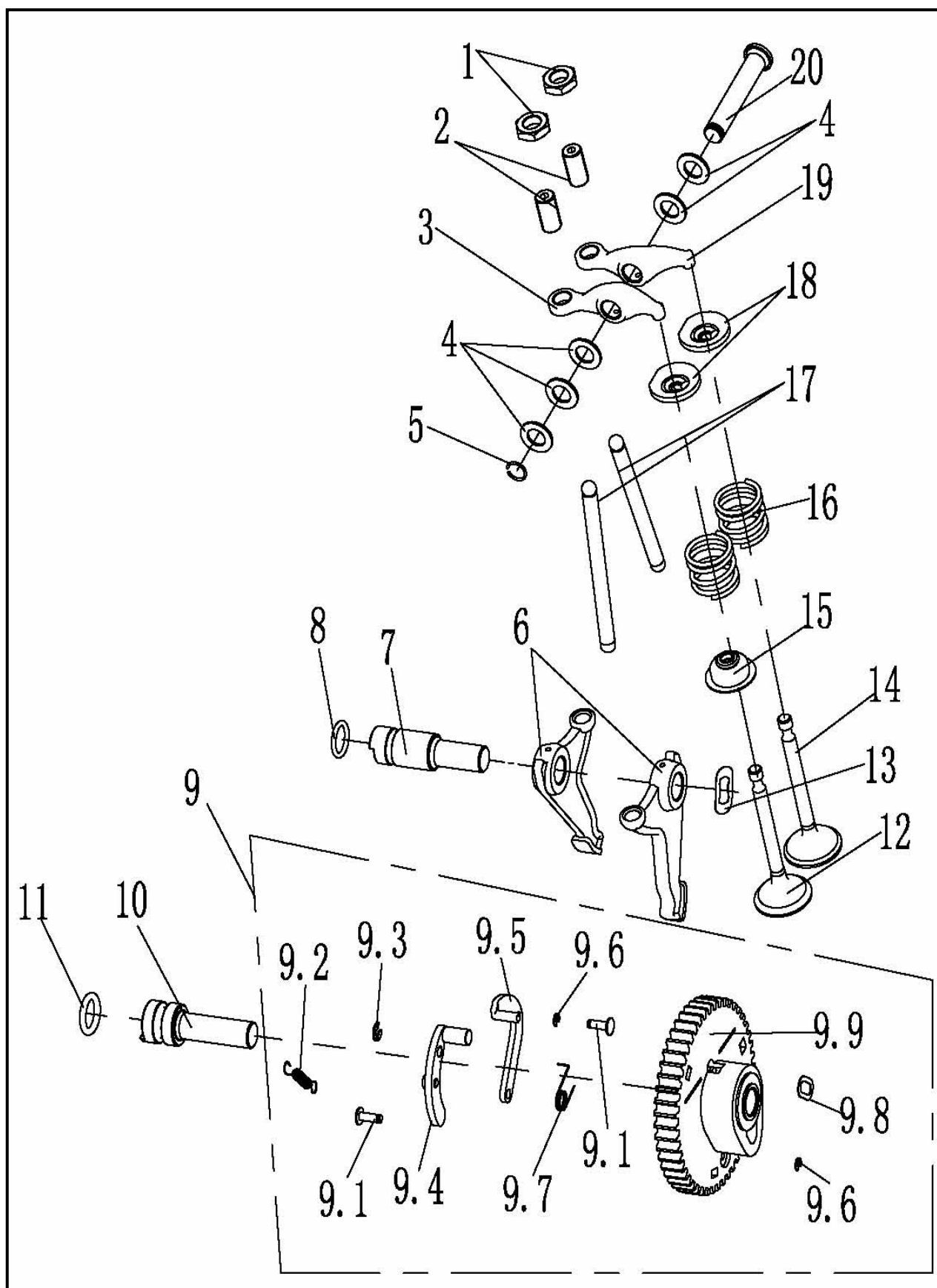
Cylinder Head Assembly



Cylinder Head Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Bolt	A100820	2
2	Bolt, M6x14	A100663	2
3	Cylinder Head Cover	A100664	1
4	Gasket, Cylinder Head (I)	A100665	2
5	Breather Tube	A100666	1
6	Cylinder Head Cover Spacer	A100667	1
7	Bolt, M8x55	A200024	4
8	Cylinder Head	A200025	1
9	Double End Stud	A200026	2
10	Aligning Pin	A200046	2
11	Gasket, Cylinder Head (II)	A100674	1
12	Spark Plug	A100662	1

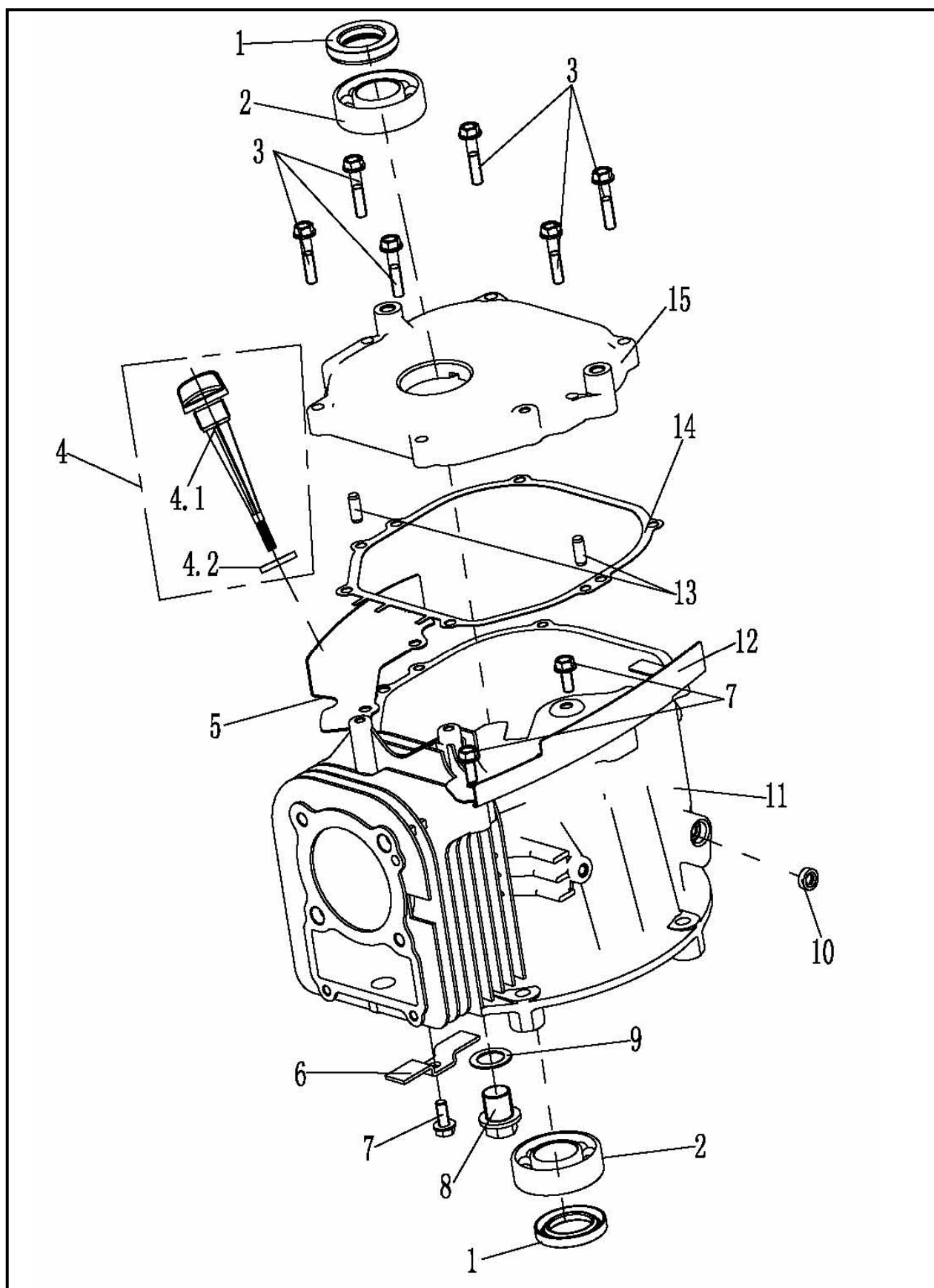
Valve / Timing Assembly



Valve Timing Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Valve Lash Adjusting Nut	A200045	2
2	Valve Lash Adjusting Screw	A200044	2
3	Inlet Valve Rocker	A200043	1
4	Washer	A100794	5
5	Wire, Block 8	A200042	1
6	Idle Rod	A200041	2
7	Idle Rod Shaft	A200040	1
8	O Ring, $\varnothing 10.6 \times 1.8$	A200039	1
9	Cam Assy	A100822	1
9.1	Shaft	For reference only	2
9.2	Torsion Spring	For reference only	1
9.3	Retaining Ring 3	For reference only	1
9.4	Pawl Assy	For reference only	1
9.5	Pawl (II)	For reference only	1
9.6	Retaining Ring 2	For reference only	2
9.7	Tension Spring	For reference only	1
9.8	Ring Gasket	For reference only	1
9.9	Cam Gear Assy	For reference only	1
10	Camshaft Set	A200032	1
11	O Ring, $\varnothing 11.2 \times 2.5$	A200031	1
12	Inlet Valve	A200056	1
13	Spring Washer	A200055	1
14	Exhaust Valve	A200054	1
15	Inlet Valve Oil Seal Assy	A200053	1
16	Valve Spring	A200052	2
17	Valve Tappet Assy	A200051	2
18	Valve Spring Seat	A200050	2
19	Exhaust Valve Rocker	A200049	1
20	Rocker Shaft	A200047	1

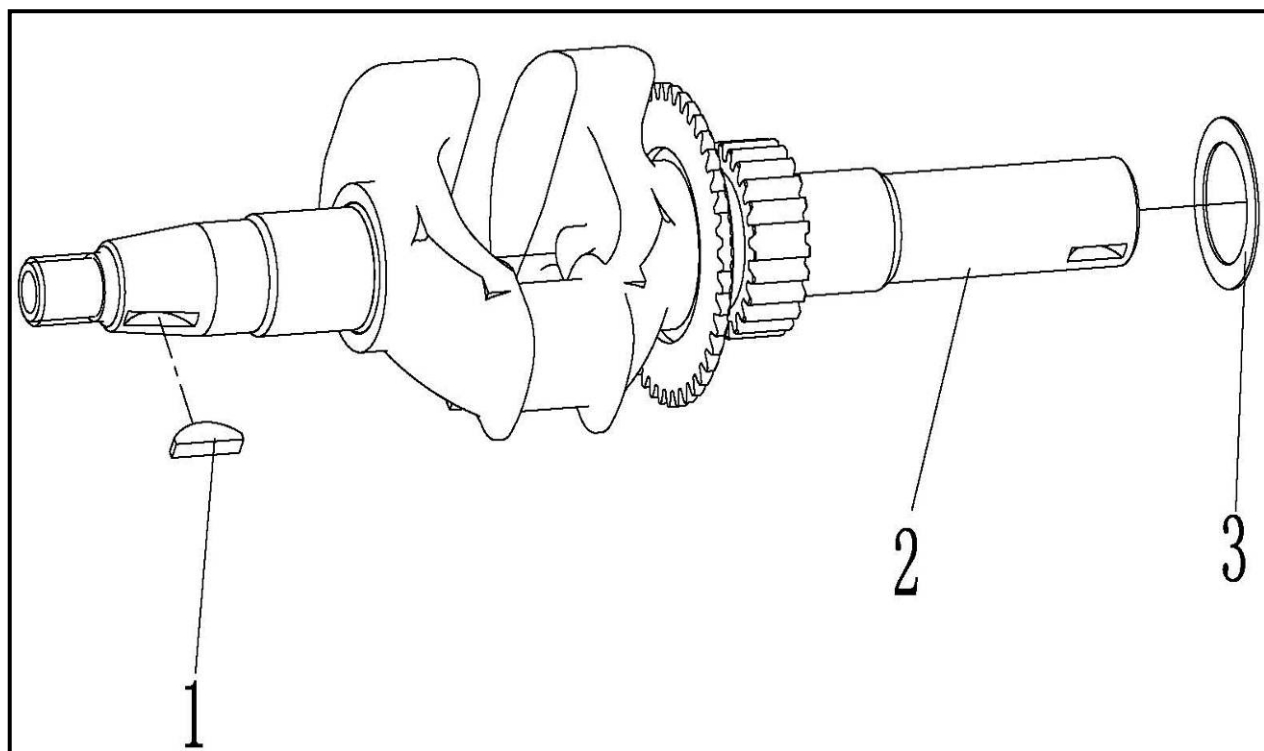
Crankcase Assembly



Crankcase Assembly

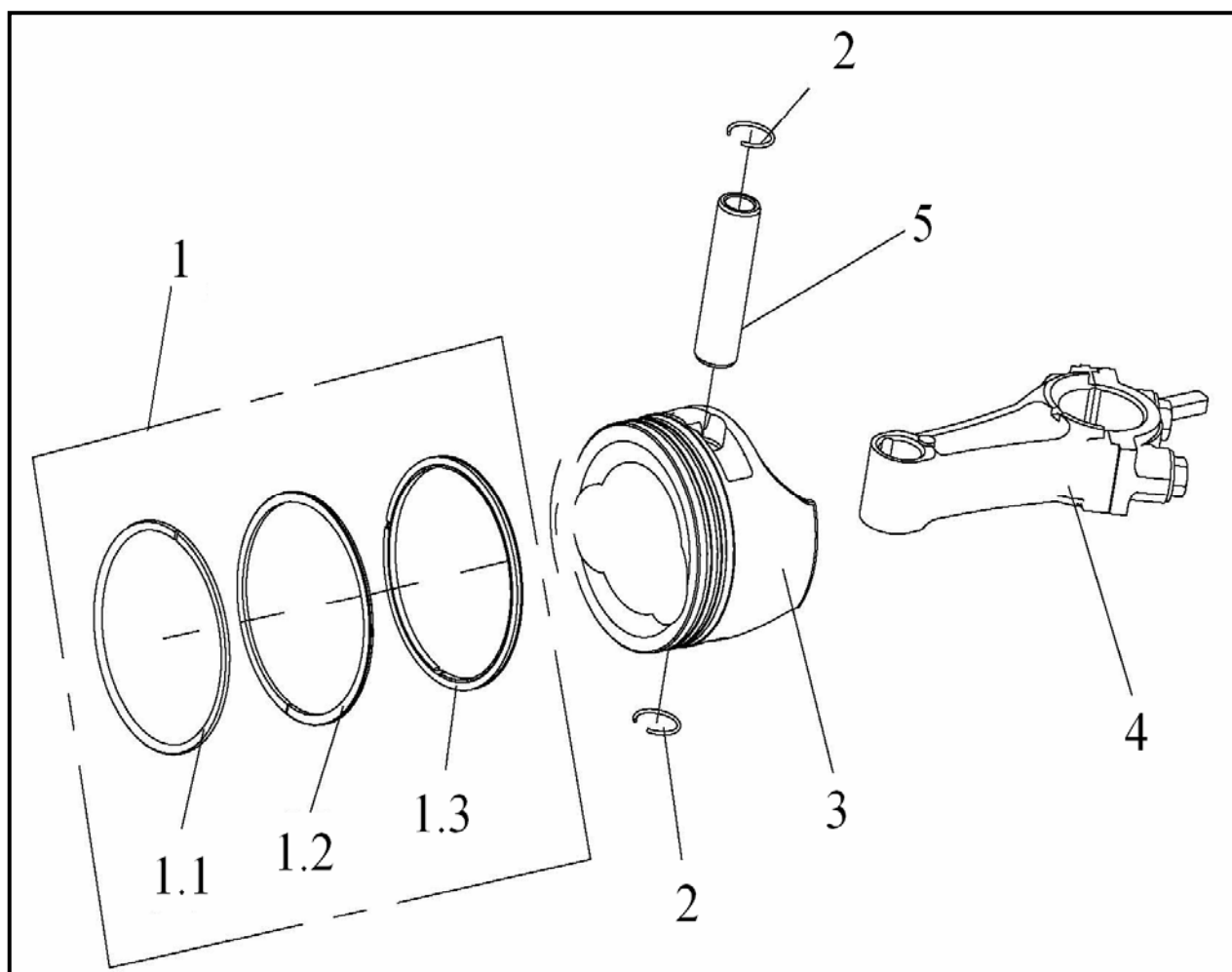
REF. NO.	DESCRIPTION	PART NO.	QTY
1	Oil Seal Assy	A100675	2
2	Bearing, 6025/P53	A200102	2
3	Bolt, M6×30	A200097	6
4	Oil Dip Rod Assy	For reference only	1
4.1	Oil Dip Rod	A100685	1
4.2	Oil Sealing Plate	A100686	1
5	Wind Shield, Left	A200030	1
6	Shield	A200060	1
7	Bolt, M6x12	A100657	3
8	Drain Plug, M16×15	A200062	1
9	Washer, 16×24×1.4	A200061	1
10	Oil Seal	A100684	1
11	Crankcase Body	A200099	1
12	Wind Shield, Right	A200029	1
13	Aligning Pin	A100683	2
14	Paper Gasket	A100682	1
15	Crankcase Cover	A200098	1

Crankshaft Assembly



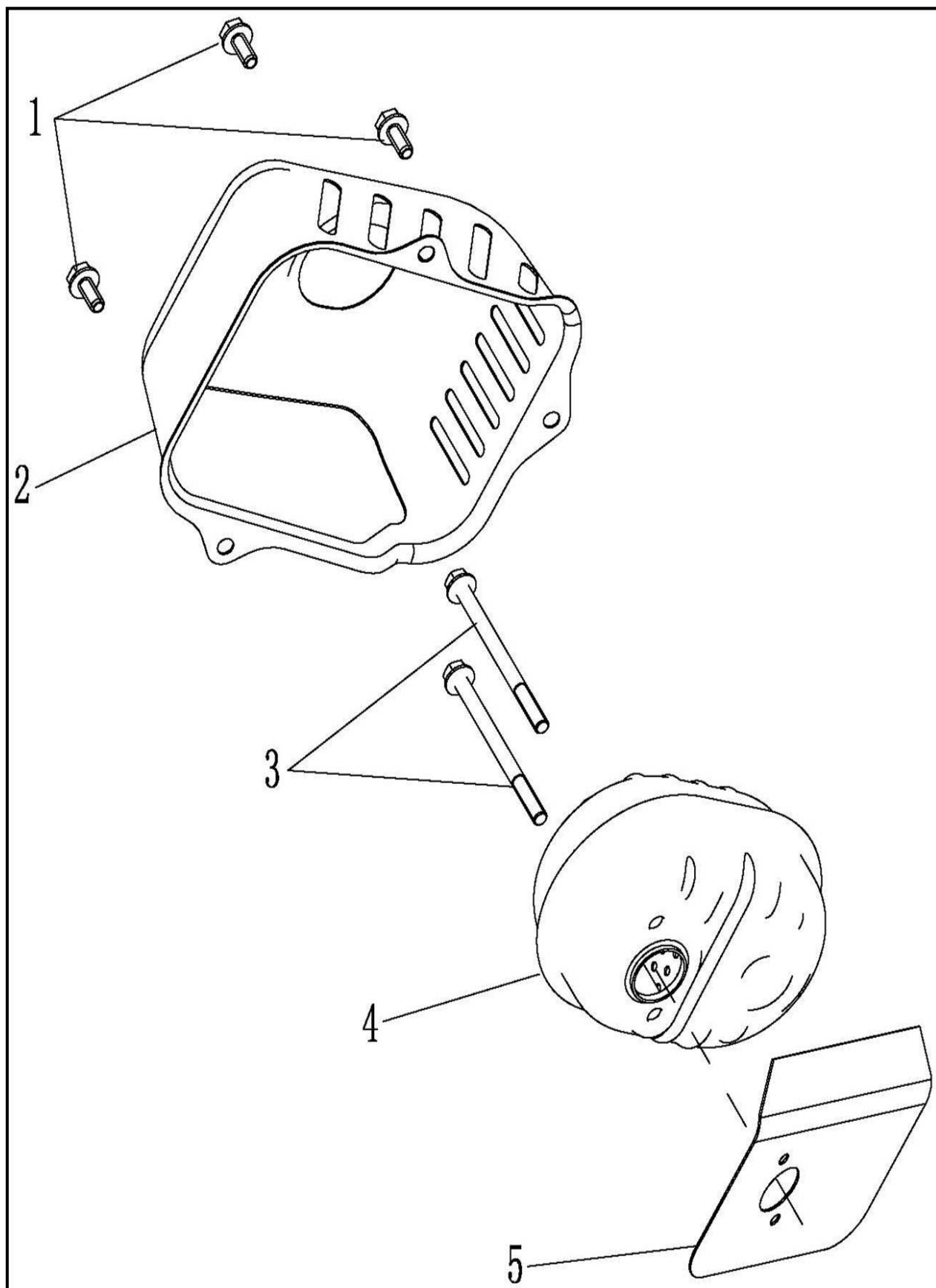
REF. NO.	DESCRIPTION	PART NO.	QTY
1	Semicircular Key	A100688	1
2	Crankshaft	A200104	1
3	Washer	A100796	1

Piston / Connecting Rod Assembly



REF. NO.	DESCRIPTION	PART NO.	QTY
1	Piston Ring Assy	A100826	1
1.1	First Gas Ring	A200111	1
1.2	Second Gas Ring	A200110	1
1.3	Oil Ring	A200109	1
2	Clip, Piston Pin	A200105	2
3	Piston	A200108	1
4	Connecting Rod Assy	A200107	1
5	Piston Pin	A200106	1

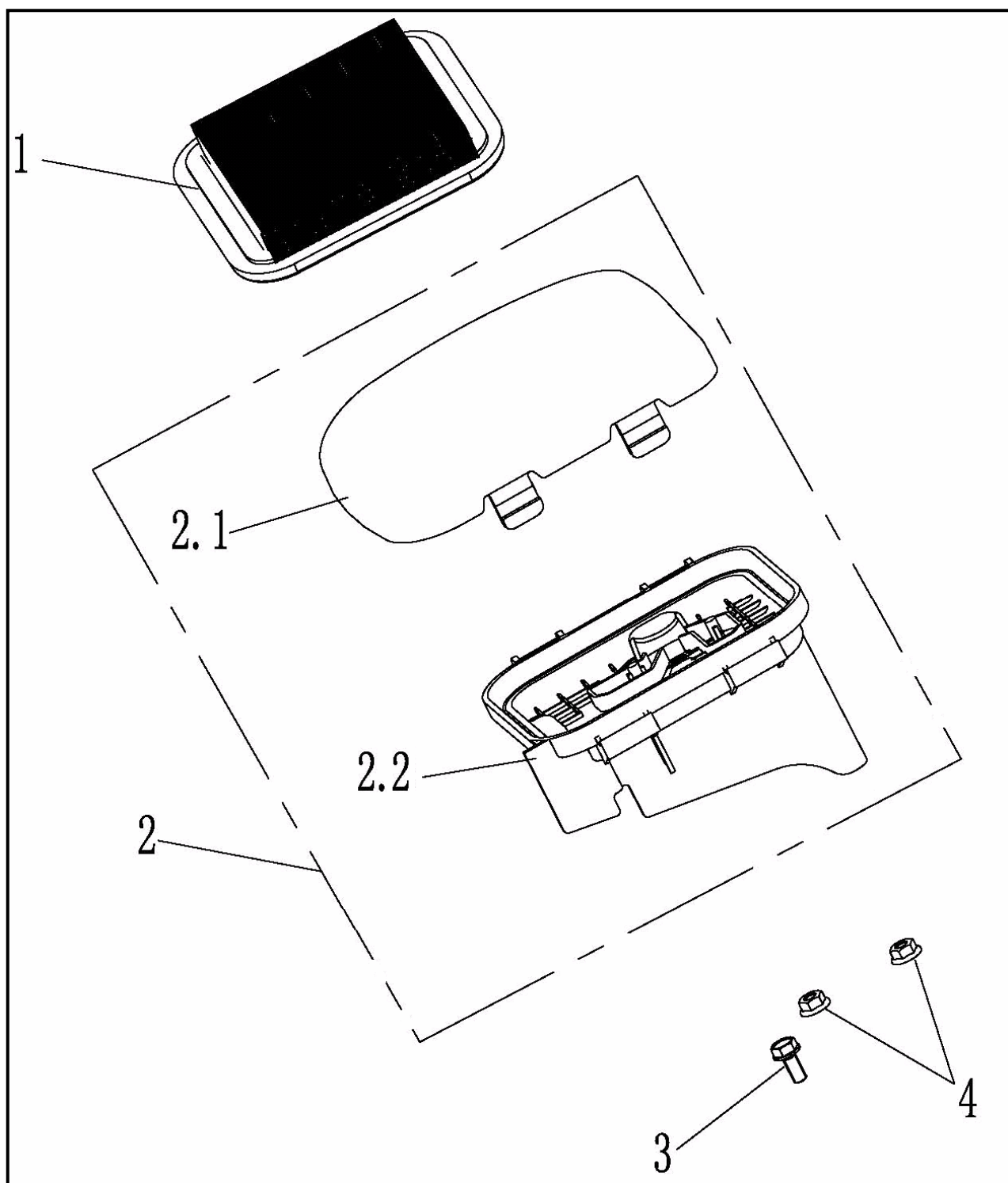
Muffler Assembly



Muffler Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Bolt, M6x12	A100657	3
2	Muffler Guard	A100658	1
3	Bolt	A100659	2
4	Muffler	A100660	1
5	Muffler Heat Shield	A100661	1

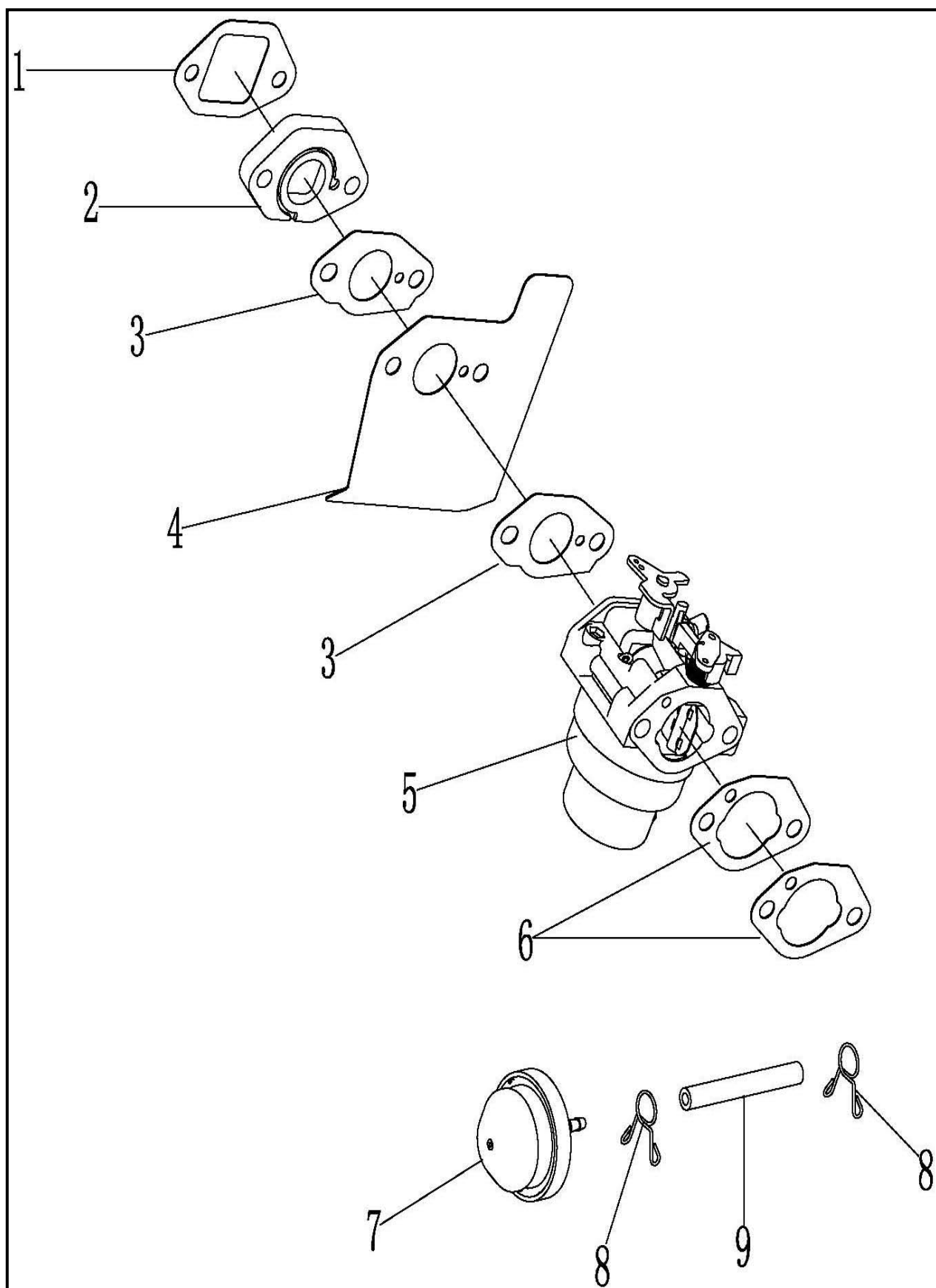
Air Filter Assembly



Air Filter Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Air Filter Element	A100827	1
2	Air Filter Housing Assy	A100673	1
2.1	Air Filter Cover	A100853	1
2.2	Air Filter Shell	A100861	1
3	Bolt, M6x14	A100663	1
4	Nut, M6	A200028	2

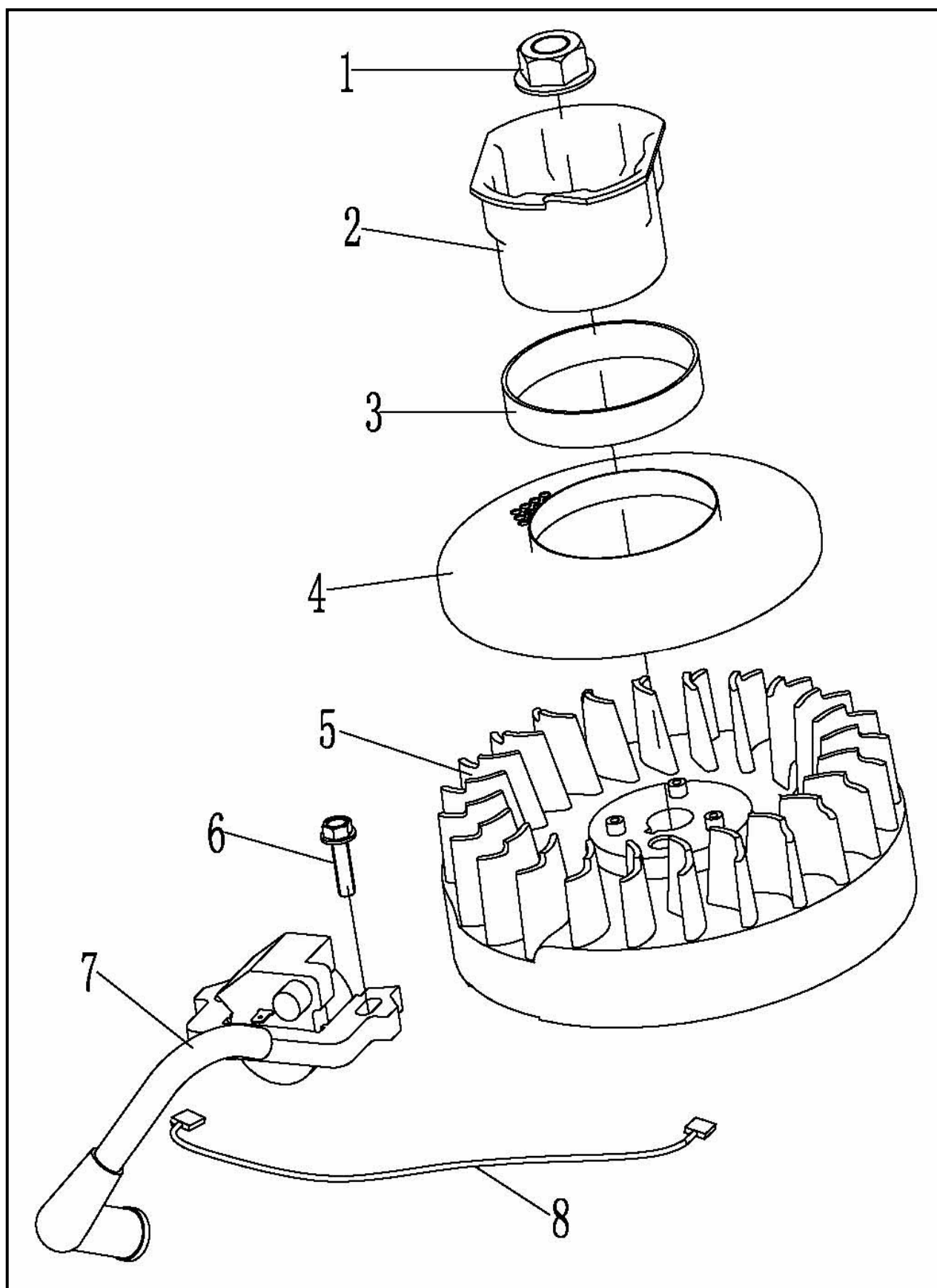
Carburetor Assembly



Carburetor Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Paper Gasket (I)	A100668	1
2	Carburetor Joint	A200027	1
3	Paper Gasket (II)	A100669	2
4	Shield	A100670	1
5	Carburetor	A100671	1
6	Paper Gasket (III)	A100672	2
7	Primer Bulb	A100676	1
8	Clamp, Fuel Line, ø 6.5	A100677	2
9	Fuel Line	A100678	1

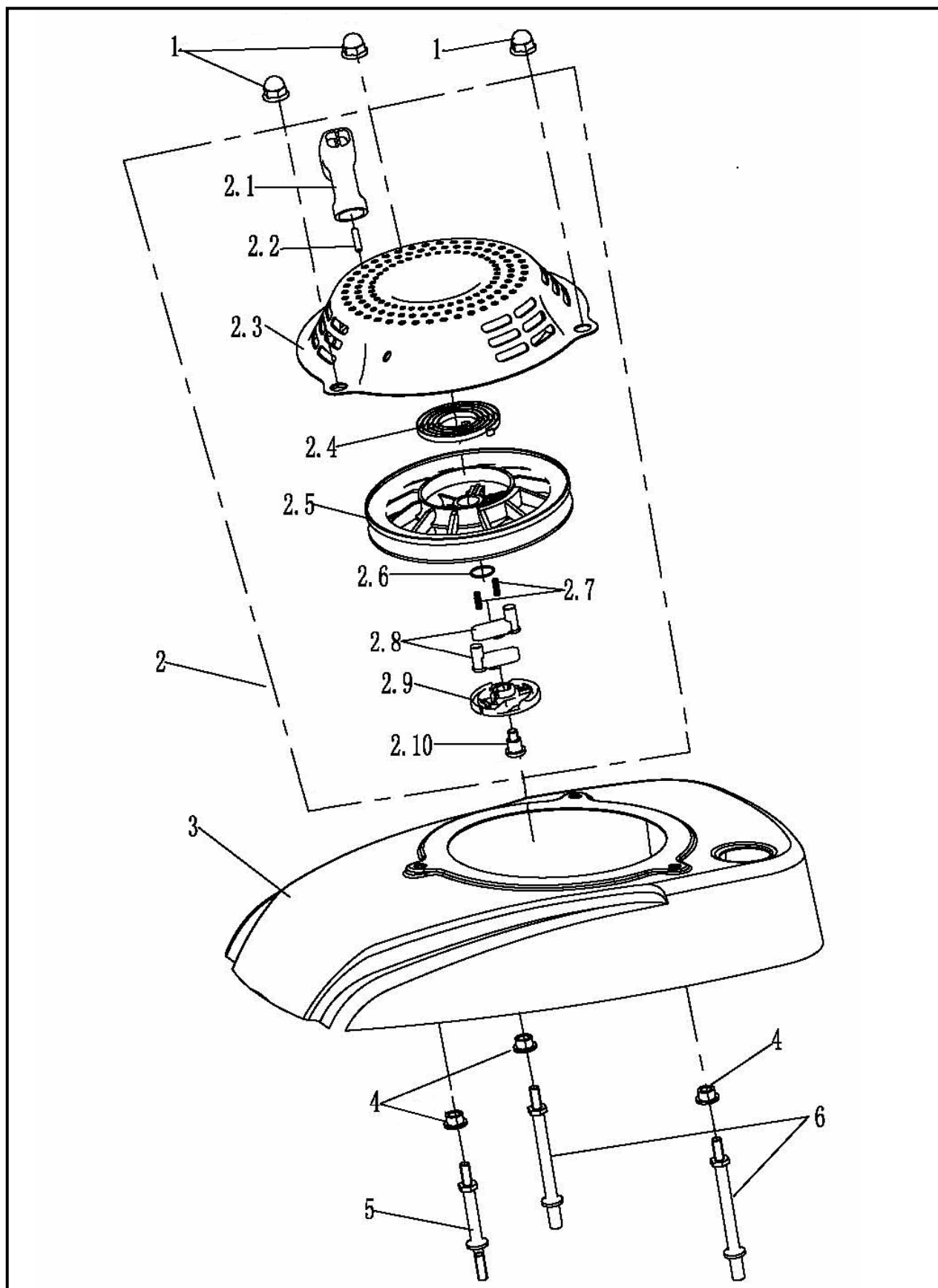
Ignition System Assembly



Ignition System Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Fly Wheel Nut, M14×1.5	A200092	1
2	Start-up Ratchet Gear	A200093	1
3	Work Protecting Wire Net	A200094	1
4	Start-up Protecting Wire Net	A200095	1
5	Fly Wheel	A200096	1
6	Screw	A200100	1
7	Ignition Coil	A100687	1
8	Flameout Wire	A200101	1

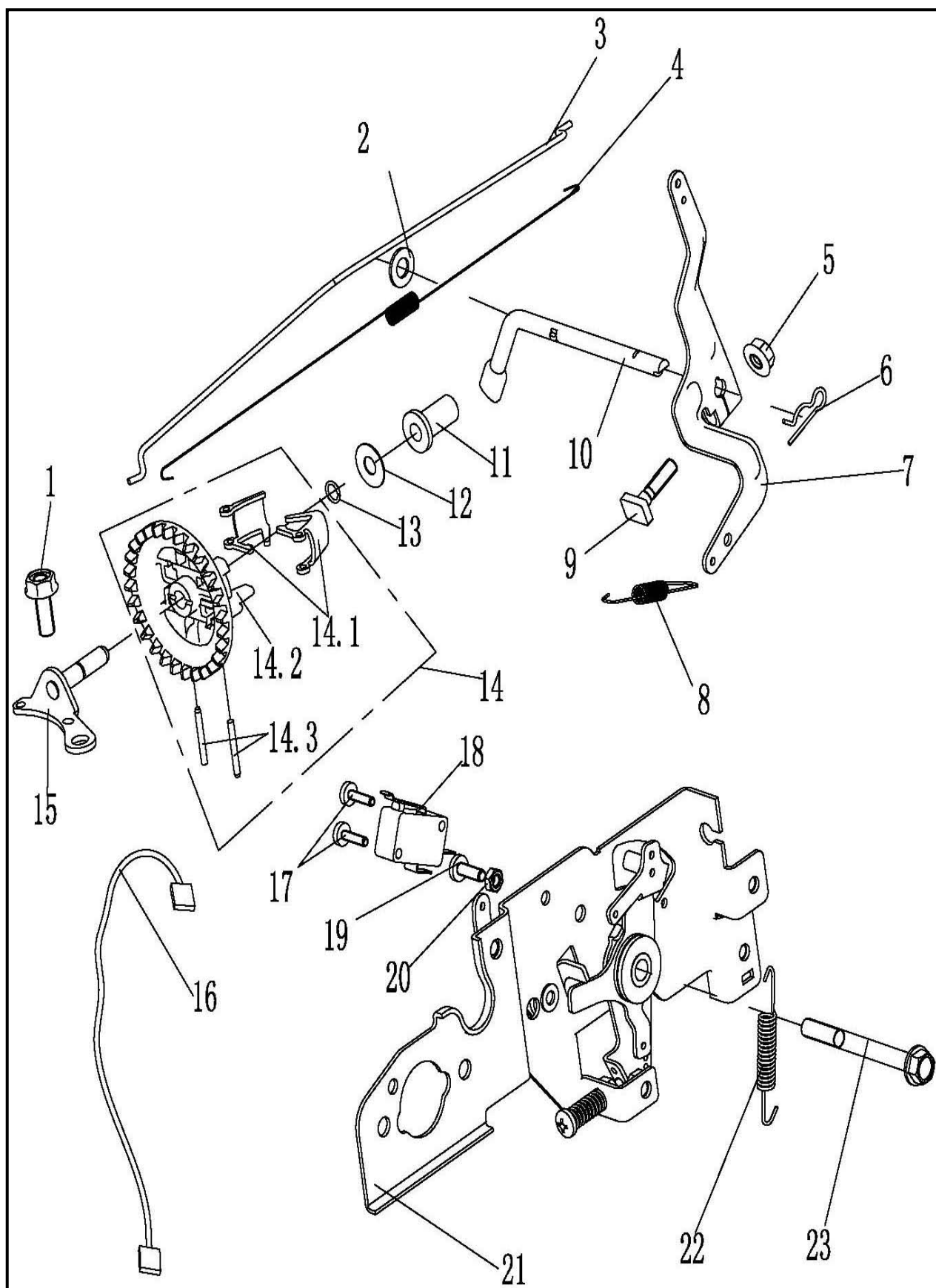
Engine Cover Assembly



Engine Cover Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Acorn Nut	A200116	3
2	Starter Assy	For reference only	1
2.1	Starter Grip	A100619	1
2.2	Starter Rope	A100698	1
2.3	Starter Cover	A100696	1
2.4	Wind Spring	A100617	1
2.5	Starter Reel	A100694	1
2.6	Circlip	A100693	1
2.7	Compression Spring	A100692	2
2.8	Ratchet	A100691	2
2.9	Guide Disc	A100690	1
2.10	Bolt	A100689	1
3	Engine Shield	A200115	1
4	Bolt Hole Cover	A100799	3
5	Double End Stud	A100797	1
6	Double End Stud	A100798	2

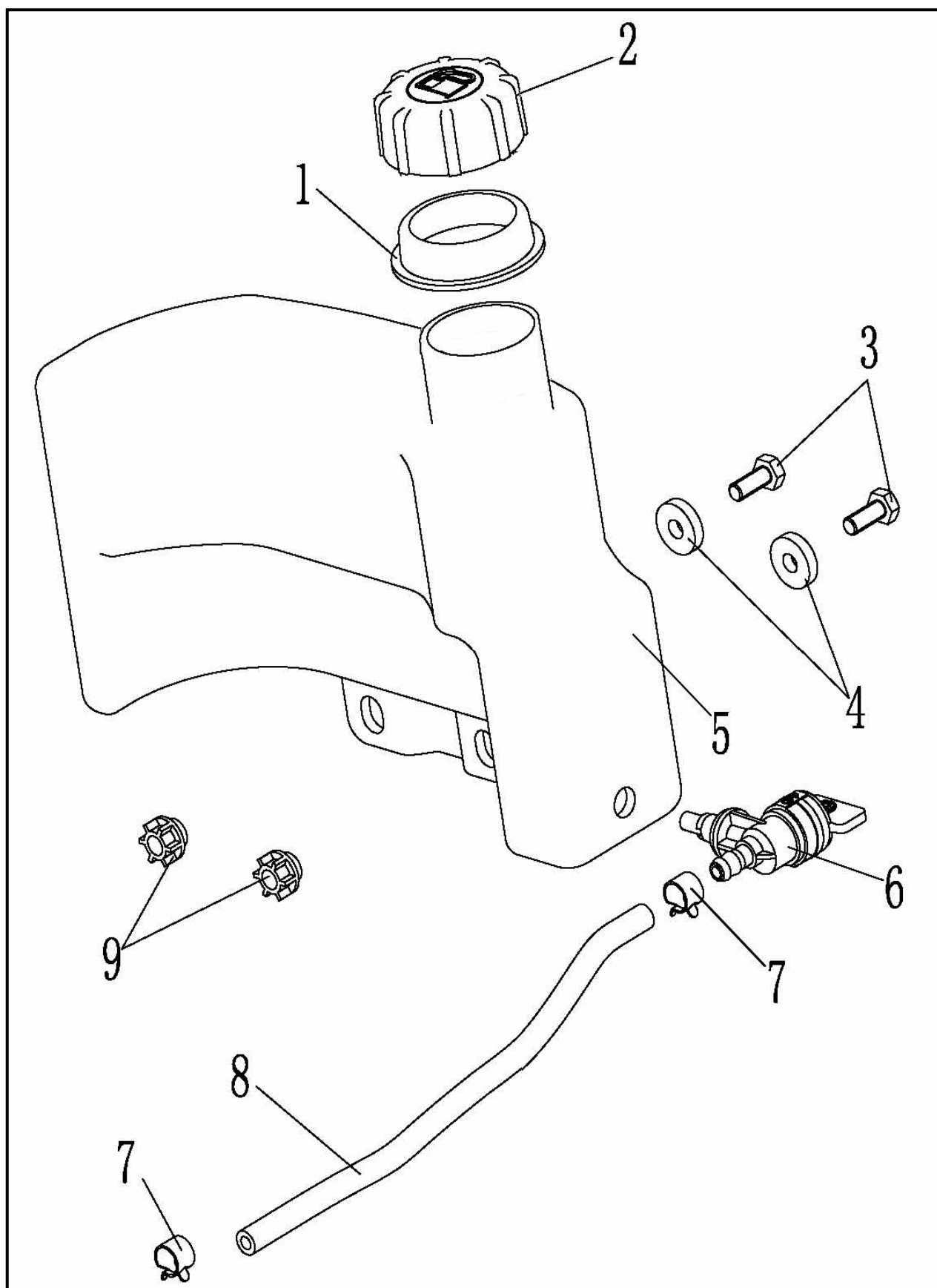
Throttle / Governor Assembly



Throttle / Governor Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Bolt, M6x12	A100657	1
2	Gasket	A200086	1
3	Link, Mechanical Governor (II)	A200085	1
4	Tension Spring (II)	A200084	1
5	Nut, M6	A100795	1
6	Hair Pin	A200082	1
7	Arm, Governor	A200081	1
8	Tension Spring (I)	A200080	1
9	Coach Bolt	A200079	1
10	Crank, Governor	A200078	1
11	Bushing	A200077	1
12	Washer 3	A200075	1
13	Retaining Ring	A200074	1
14	Assy, Governor	A100830	1
14.1	Pawl	For reference only	2
14.2	Body, Governor	For reference only	1
14.3	Pin	For reference only	2
15	Mount Bracket & Axle	A200072	1
16	Wire, Grounding	A200063	1
17	Bolt, M3×12	A200069	2
18	Switch, Grounding	A200068	1
19	Bolt, M3×8	A200070	1
20	Nut, M4	A200067	1
21	Governor Control Panel	A200066	1
22	Controller Tension Spring	A200065	1
23	Bolt, M6×60	A200064	1

Fuel Tank Assembly



Fuel Tank Assembly

REF. NO.	DESCRIPTION	PART NO.	QTY
1	Position Fix Ring	A200091	1
2	Fuel Tank Cap	A100681	1
3	Bolt, M6x14	A100663	2
4	Washer, Heat Insulating	A200090	2
5	Fuel Tank	A200089	1
6	Fuel Tank On/Off Valve	A200088	1
7	Clamp, Fuel Line	A100679	2
8	Fuel Line	A100680	1
9	Spacer, Heat insulating	A200087	2

Kits

KIT NO.	DESCRIPTION	INCLUDES		
		PART NO.	DESCRIPTION	QTY
A100700	Engine Pulley Kit	A100536	Pulley, Engine	1
		A100537	Lock Washer, $\Phi 10$	1
		A100538	Bolt, Hex Head 3/8-24x1.0	1
A100701	Starter Rope Kit	A100697	Starter Grip	1
		A100698	Starter Rope	1
A100702	Rewind Starter Kit	A100697	Starter Grip	1
		A100698	Starter Rope	1
		A100617	Wind Spring	1
		A100694	Starter Reel	1
		A100693	Circlip	1
		A100692	Compression Spring	2
		A100691	Ratchet	2
		A100690	Guide Disc	1
		A100689	Bolt	1