

Homelite®

PARTS LIST



Models

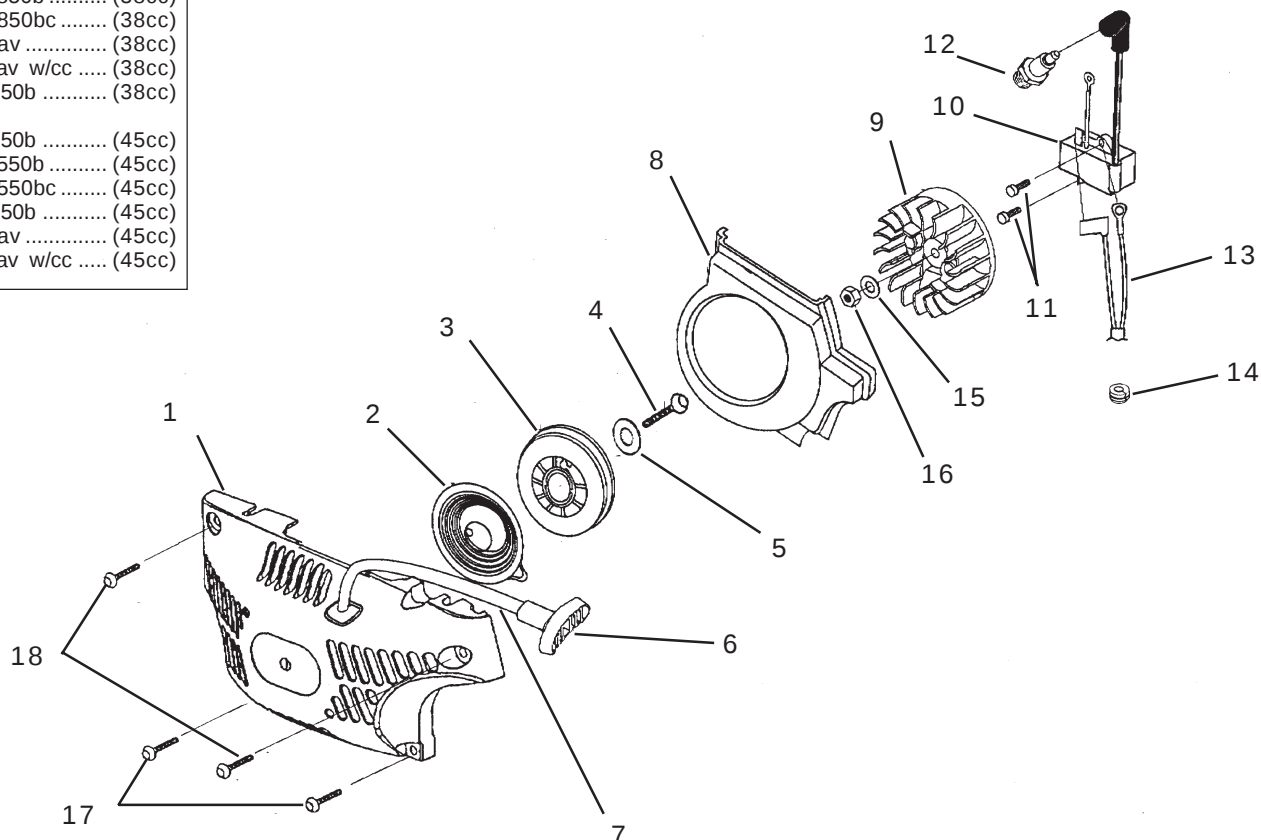
i3350b	UT10868		
BCS35	UT10878		
d3850b	UT10861,	UT10886	
d3850bc	UT10865,	UT10866,	UT10887
23av	UT10846,	UT10884	
23av w/cc	UT10856,	UT10858,	UT10885, UT10888
i3850b	UT10869		
i4150b	UT10867		
d4550b	UT10860		
d4550bc	UT10864		
i4550b	UT10862		
27av	UT10859		
27av w/cc	UT10848,	UT10863	

i3350b (33cc)
BCS35 (33cc)

d3850b (38cc)
d3850bc (38cc)
23av (38cc)
23av w/cc (38cc)
i3850b (38cc)

i4150b (45cc)
d4550b (45cc)
d4550bc (45cc)
i4550b (45cc)
27av (45cc)
27av w/cc (45cc)

STARTER - IGNITION



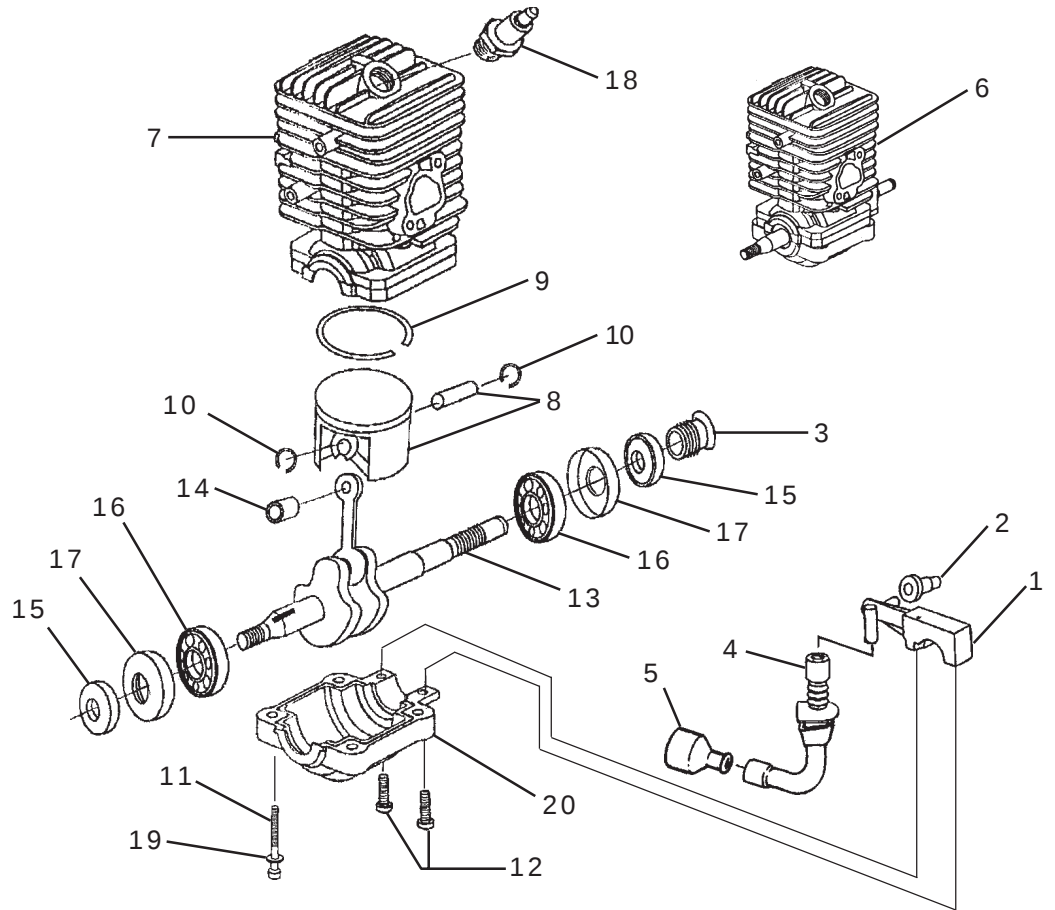
NO.	PART NO.	DESCRIPTION	QTY.
1	A 08679 A	Starter Kit	1
2	A 97908	Spring & Container	1
3	UP 05460	Pulley, Starter	1
4	82621	Screw, Thread Form (10-14 x 5/8")	1
5	94062	Washer, Retaining	1
6	07588	Grip, Starter	1
7	97899 01	Rope, Starter 46"	1
8	06876	Baffle, Fan Housing	1
9	UP 04198	Rotor & Starter Pawl	1
10	A 08676 A	Ignition Kit	1
11	82575	Screw, Thread Form (8-32 x 5/8")	2
12	93561 S	Spark Plug	1
	98217 S	Spark Plug (International units only)	1
13	A 07602 A	Ignition Switch Harness	1
14	07587	Grommet, Wire Harness (Split)	1
15	PS 84065	Washer, Flat	1
16	81229 A	Nut, Jam	1
17	82620	Screw, Truss Hd. (10-14 x 7/8")	2
18	82621	Screw, Truss Hd. (10-14 x 5/8")	2

Torque Specs			
Item No.	In/Lbs	Nm	Required Loctite
4	30-40	3.4-4.5	
11	30-40	3.4-4.5	
12	120-180	13.6-20.3	
16	100-150	11.3-16.9	
17	30-40	3.4-4.5	
18	30-40	3.4-4.5	

Warranty Flat Rate		
Job	Description	Time/Hr.
FA11	Solid State Module	0.3
FA12	Ground Wire Harness	0.3
FG10	Starter Assy	0.3

i3350b	(33cc)
BCS35	(33cc)
d3850b	(38cc)
d3850bc	(38cc)
23av	(38cc)
23av w/cc	(38cc)
i3850b	(38cc)
i4150b	(45cc)
d4550b	(45cc)
d4550bc	(45cc)
i4550b	(45cc)
27av	(45cc)
27av w/cc	(45cc)

ENGINE INTERNAL - OIL PUMP



NO.	PART NO.	DESCRIPTION	QTY.
1	A 08682	Oil Pump Kit	1
2	06841	Grommet, Oil Outlet	1
3	06847	Left Hand Worm	1
4	06848	Tube, Oil Intake	1
5	A 68593	Oil Filter	1
6	UP 03119	Short Block, Complete (33cc)	1
	UP 04161	Short Block, Complete (38cc)	1
	UP 04166	Short Block, Complete (45cc)	1
7	A 08666	Cylinder Kit (33cc)	1
	A 08667	Cylinder Kit (38cc)	1
	UP 00129	Cylinder Kit (45cc)	1
	06839	Gasket, Muffler (Not Shown)	1
	06840 A	Gasket, Heat Dam (Not Shown)	1
	98339	Gasket, Carburetor (Not Shown)	1
8	A 08668	Piston & Pin (33cc)	1
9	04933	Piston Ring (33cc)	1
10	64813	Ring, Retaining	2
8	A 08669	Piston & Pin (38cc)	1
9	06857	Piston Ring (38cc)	1
10	64813	Ring, Retaining	2
8	UP 00130	Piston & Pin (45cc)	1
9	09082	Piston Ring (45cc)	1
10	64813	Ring, Retaining	2
11	82527	Screw, Cap-Socket Hd. (10-24 x 2")	4
12	06851	Screw, Pan Hd., Plastite (8-16 x 5/8")	2
13	UP 03118	Crankshaft & Rod Assy (33 & 38cc)	1
	UP 04165	Crankshaft & Rod Assy (45cc)	1
14	PS 04921	Bearing, Needle	1
15	04920	Shaft Seal	2
16	A 04931	Bearing & Rubber Case	2
17	04919	Rubber Case	2

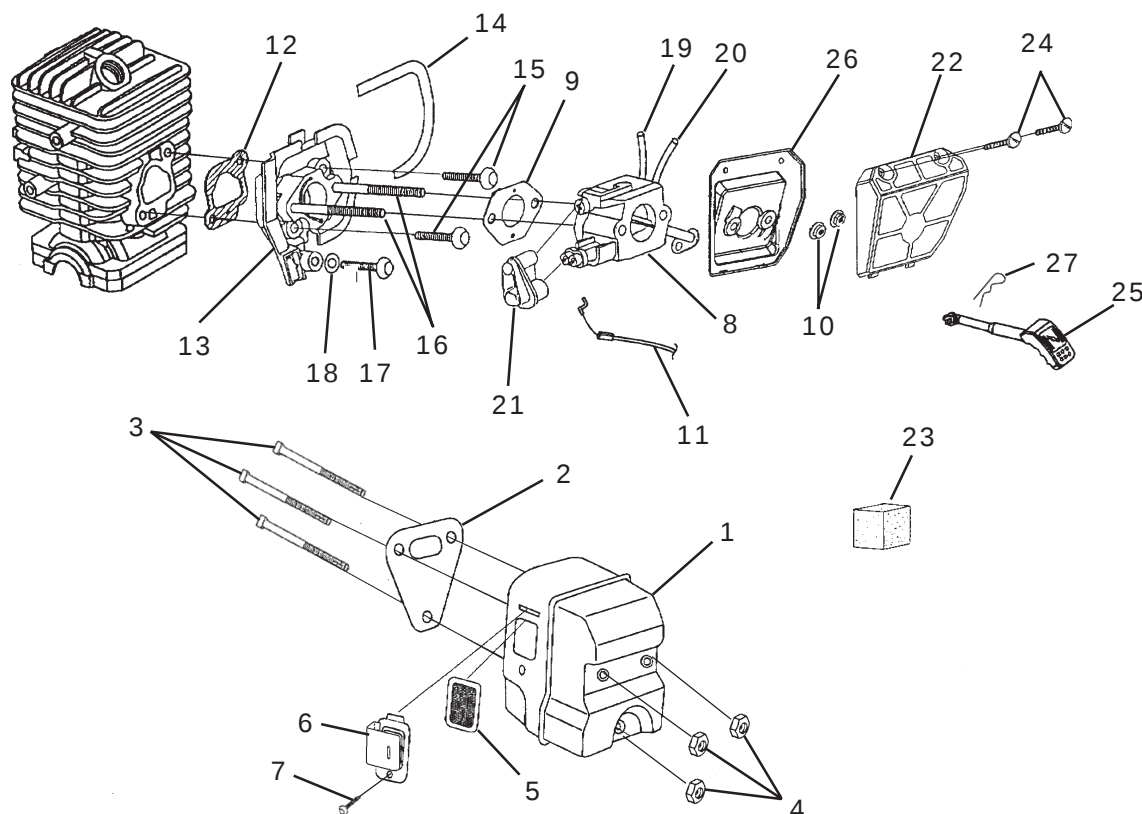
NO.	PART NO.	DESCRIPTION	QTY.
18	UP 04093	Spark Plug	1
19	84008	Washer	4
20	04909	Lower Crankcase (33 & 38cc)	1
	09097	Lower Crankcase (45cc)	1

Torque Specs			
Item No.	In/Lbs	Nm	Required Loctite
11	65-75	7.3-8.5	262 Red
12	15-20	1.7-2.3	
18	120-180	13.6-20.3	

Warranty Flat Rate		
Job	Description	Time/Hr.
FE11 ...	Automatic Oilier	1.0
FB10 ...	Partial Engine Rebuild	1.0
FB20 ...	Short Block	1.0
FB15 ...	C/Case Seal (per side)	0.6

i3350b	(33cc)
BCS35	(33cc)
d3850b	(38cc)
d3850bc	(38cc)
23av	(38cc)
23av w/cc	(38cc)
i3850b	(38cc)
i4150b	(45cc)
d4550b	(45cc)
d4550bc	(45cc)
i4550b	(45cc)
27av	(45cc)
27av w/cc	(45cc)

CARBURETOR - MUFFLER - AIR FILTER



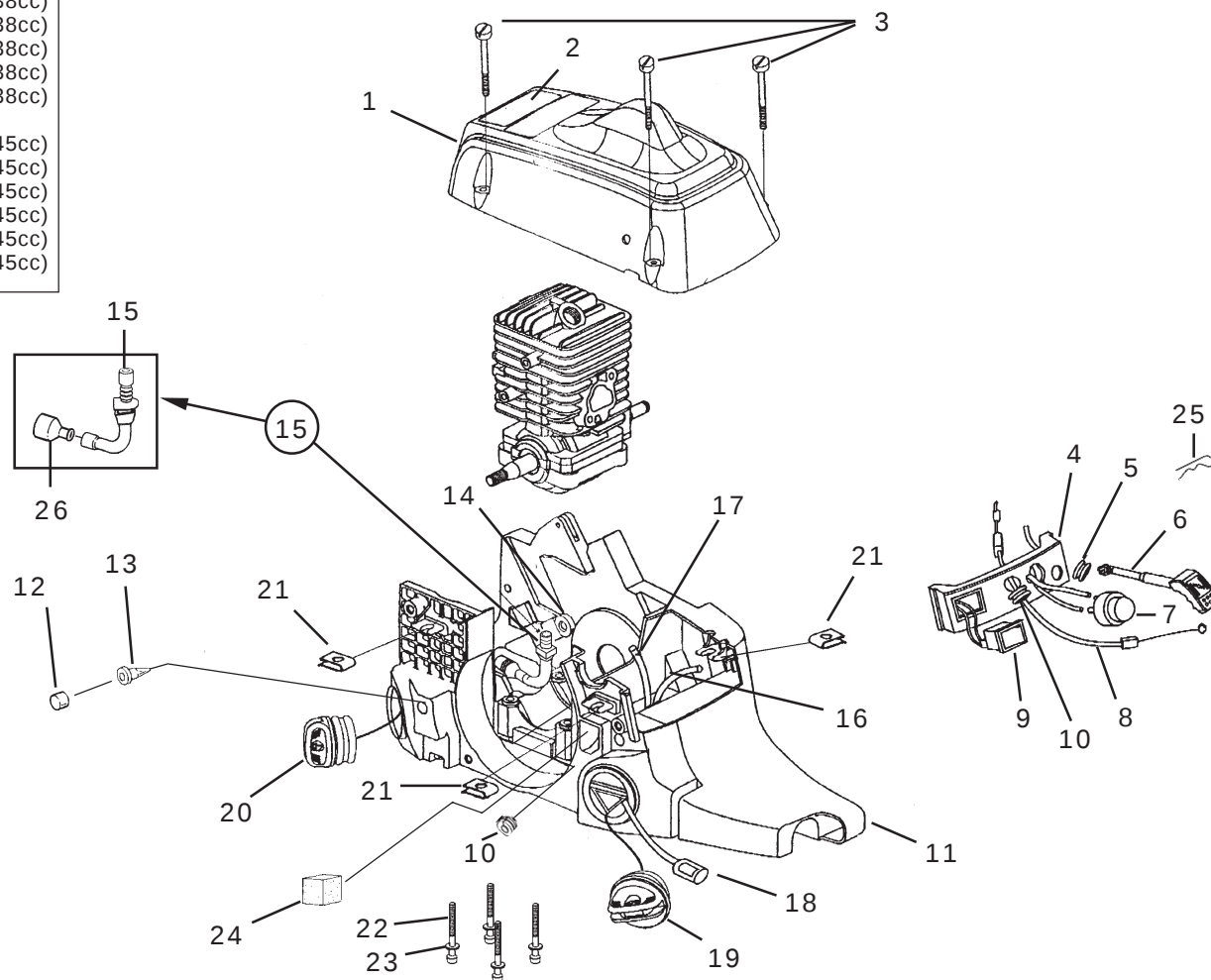
NO.	PART NO.	DESCRIPTION	QTY.
1	• A 08694	Muffler Kit (33/38cc)	1
	•UP 00126	Muffler Kit (45cc)	1
2	06839	Muffler Gasket	1
3	07592	Screw-Square Hd.	3
4	81206	Nut-Locking Hex (10-32)	3
5	07394	Screen, Spark	1
6	07396 A	Deflector, Muffler (33/38cc)	1
	PS 00087	Deflector, Muffler (45cc)	1
7	95922	Screw	1
8	• A 08674	Carburetor Assembly (33 & 38cc)	1
	•UP 00125	Carburetor Assy (45cc)	1
	• A 09160	Carburetor Assy (i3350b, i3850b only)	1
9	98339	Carburetor Gasket	1
10	07589	Flange Nut (10-24)	2
11	A 07596 B	Throttle Cable	1
12	06840 A	Gasket, Heat Dam	1
13	04916	Heat Dam	1
14	06873	Seal, Heat Dam	1
15	82539	Screw, Truss Hd. Taptite (10-24 x 7/8")	2
16	06852	Screw, Carburetor	2
17	82541	Screw, Thread Form (10-14 x 1/2")	1
18	12789	Washer, Retaining	1
19	07454 34	Fuel Line (Tank to Carburetor 8 1/2")	1
20	07454 16	Fuel Line (Carburetor to Purge Bulb 4")	1
21	04907	Carburetor Grommet	1
	• A 08693	Air Filter Kit	1
22	04938	Air Filter Cover	1
23	07407	Pre Filter (In engine housing)	1
24	82617	Screw-Slotted Pan Hd. (8-16 x 5/8")	2
25	07579	Rod, Choke	1
26	04937	Air Filter Plate	1
27	08939	Spring Clip (Choke Rod)	1

Torque Specs			
Item No.	In/Lbs	Nm	Required Loctite
4	50-60	5.6-6.7	
10	30-40	3.4-4.5	
15	45-55	5.0-6.2	
17	30-40	3.4-4.5	
24	15-20	1.7-2.3	

Warranty Flat Rate		
Job	Description	Time/Hr.
FB18	Muffler	0.3
FF10	Carb. Replace	0.4
FF12	Fuel Line	0.3
FF44	Air Filter System	0.2
FF17	Heat Dam	0.6
FF15	Choke	0.3
FF13	Throttle Cable	0.5

i3350b	(33cc)
BCS35	(33cc)
d3850b	(38cc)
d3850bc	(38cc)
23av	(38cc)
23av w/cc	(38cc)
i3850b	(38cc)
i4150b	(45cc)
d4550b	(45cc)
d4550bc	(45cc)
i4550b	(45cc)
27av	(45cc)
27av w/cc	(45cc)

ENGINE HOUSING - FUEL TANK - OIL TANK



NO.	PART NO.	DESCRIPTION	QTY.
1	• A 08692	Cylinder Cover Kit	1
2	07566	Safety Decal	1
3	07597	Screw-Slotted Pan Hd.	3
4	07379	Control Panel	1
5	64862	Grommet	1
6	07579	Rod, Choke	1
7	01183	Bulb, Air Purge	1
8	A 07596 B	Throttle Cable	1
9	07385	Switch, Rocker	1
10	07587	Grommet - Split	2
11	• A 08892	Engine Housing	1
12	07403	Element, Filter (Bronze)	2
13	03134	Duck Bill Valve	2
14	06841	Oil Outlet Grommet	1
15	06848	Oil Intake Tube	1
16	07454-22	Rubber Tubing (5 1/2")	1
17	07454-34	Rubber Tubing (8 1/2")	1
18	49422	Fuel Filter	1
19	DA 07590	Fuel Cap w/ Retainer	1
20	DA 07591	Oil Cap w/ Retainer	1
	A 68593	Oil Filter (Not Shown)	1
	04945	Guide Bar Bolt (Not Shown)	2
21	07598	Speed Nut ("U-Type")	3
22	82527	Screw, Cap-Socket Hd. (10-24 x 2")	4
23	84008	Washer	4
24	07407	Pre Filter	1
25	08939	Spring Clip (Choke Rod)	1
26	A 68593	Oil Filter	1

Torque Specs			
Item No.	In/Lbs	Nm	Required Loctite
3	15-25	1.7-2.8	
22	65-76	7.3-8.5	

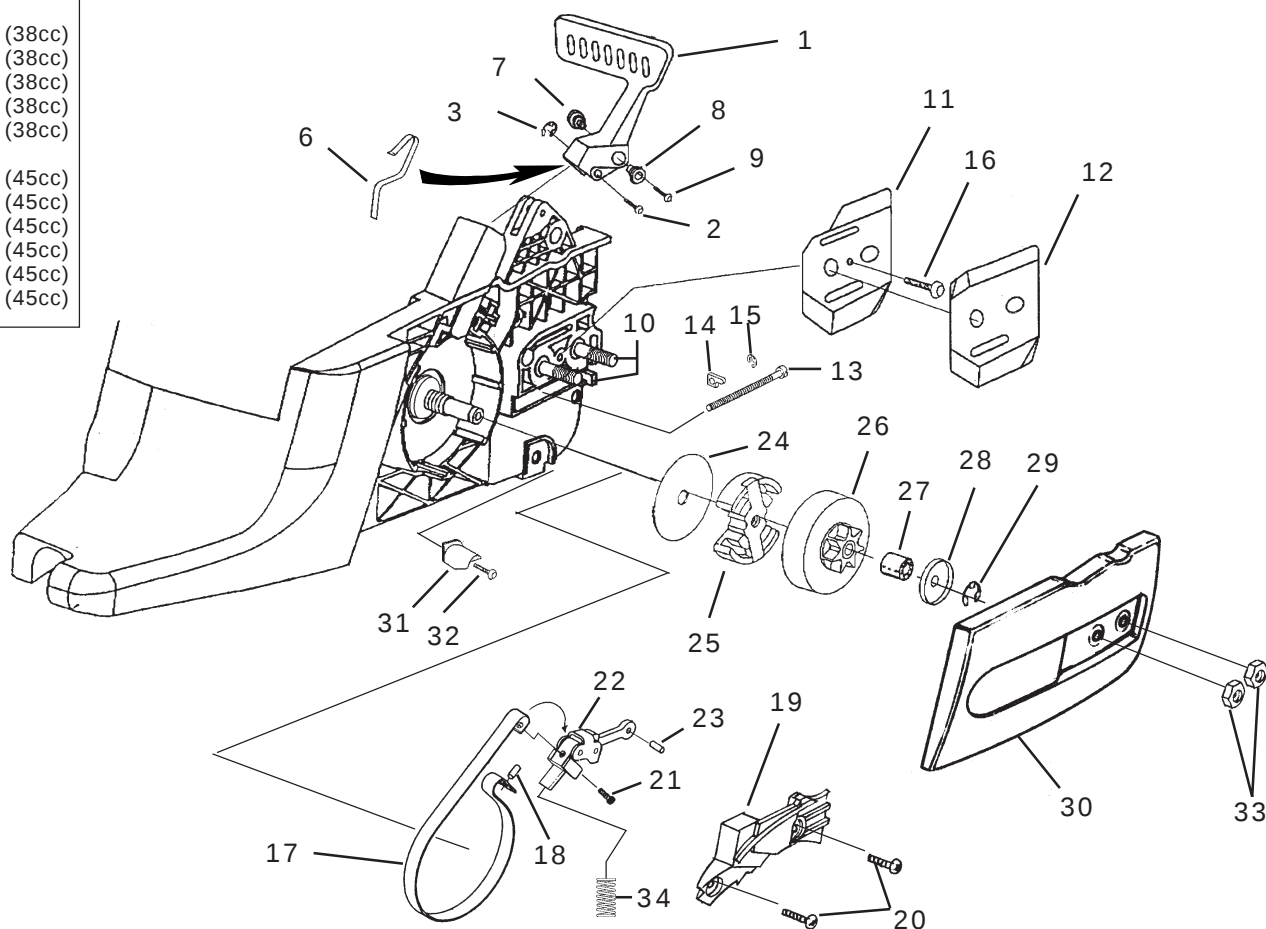
Warranty Flat Rate		
Job	Description	Time/Hr.
FD12 ...	Eng. Hsg.	1.5
	Oil Tank, Use Job FD12	1.5
	Fuel Tank, Use Job FD12	1.5
FD90 ...	Eng. Cyl. Cover	0.3
FF14 ...	Primer Bulb Assy.	0.3
FF15 ...	Choke Rod	0.3
FE12 ...	Oil Line	0.5
FA17 ...	Ignition Switch	0.3
FF12 ...	Fuel Line	0.3
FF13 ...	Throttle Cable	0.5

i3350b (33cc)
BCS35 (33cc)

d3850b (38cc)
d3850bc (38cc)
23av (38cc)
23av w/cc (38cc)
i3850b (38cc)

i4150b (45cc)
d4550b (45cc)
d4550bc (45cc)
i4550b (45cc)
27av (45cc)
27av w/cc (45cc)

CLUTCH - CHAIN BRAKE - DRIVE CASE COVER



NO.	PART NO.	DESCRIPTION	QTY.
1	• A 08681 A	Hand Guard Kit	1
2	07580	Hand Guard Actuating Pin	1
3	69599	Retaining Ring	1
4	07406	Hand Guard Link	1
5	95395 A	Roll Pin (Non-chain brake units-not shown)	1
6	07613	Spring, Handguard	1
7	07393	Pivot, L.H.	1
8	07392	Pivot, R.H.	1
9	82624	Screw, Hex Socket Hd. (8-32 x 5/8")	1
10	04945	Guide Bar Bolt	2
11	• A 08678	Guide Bar Adjusting Kit	1
12	07404 A	Plate, Guide Bar	1
13	07405 A	Plate, Guide Bar	1
14	06844	Screw, Guide Bar Adjusting	1
15	06842	Pin, Guide Bar Adjusting	1
16	69599	Ring, Retaining	1
17	82513	Screw, Thread Form (6-19 x 1/2")	1
18	• A 08680 A	Chain Brake Kit	1
19	06672	Pin, Roll	1
20	06843	Cover, Chain Brake	1
21	82513	Screw, Pan Hd. (6-19 x 1/2")	2
22	82623	Screw, Pan Hd. (8-16 x .320)	1
23	A 07612	Chain Brake Link	1
24	95395 A	Pin, Roll	1
25	04940	Thrust Washer	1
26	A 09023	Clutch & Hardware	1
27	• A 09024	Sprocket, Drum (3/8 Pitch)	1
28	• A 09025	Sprocket, Drum (.325 Pitch) (i3850b & 45cc only)	1
29	04927	Bearing, Needle	1
30	04939 A	Washer, Cupped	1
31	08981	Ring, Retaining	1

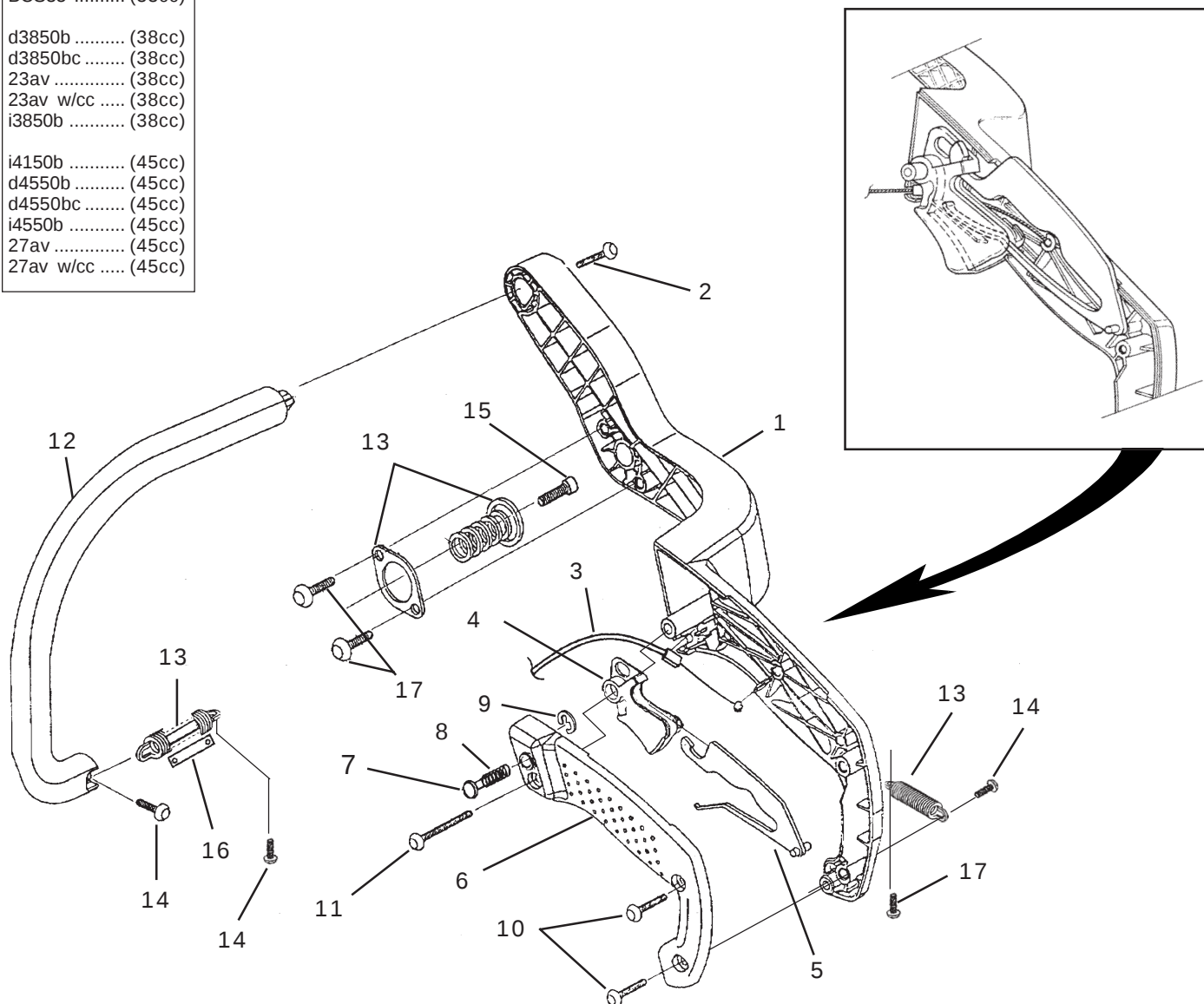
NO.	PART NO.	DESCRIPTION	QTY.
30	• A 08673	Drive Case Cover	1
31	95212	Stop, Chain	1
32	82563	Screw, Thread Form (10-14 x 3/4")	1
33	81196	Nut, Hex	2
34	00890	Spring, Compression	1

Torque Specs			
Item No.	In/Lbs	Nm	Required Loctite
9	25-35	2.8-3.9	
16	8-18	.9-2.0	
20	10-20	1.1-2.3	
21	20-30	2.3-3.4	
25	130-180	14.7-20.3	
32	30-50	3.4-5.6	
33	Hand Tight		

Warranty Flat Rate		
Job	Description	Time/Hr.
FC10	Chain Assy.	0.3
FD10	Clutch Brake	0.4
FK10	Guide Bar, Shims Adj.	0.3
FK11	Guide Bar Studs	1.0
FD97	Hand Guard	0.3
FC12	Sprocket/Retaining Ring	0.3

i3350b	(33cc)
BCS35	(33cc)
d3850b	(38cc)
d3850bc	(38cc)
23av	(38cc)
23av w/cc	(38cc)
i3850b	(38cc)
i4150b	(45cc)
d4550b	(45cc)
d4550bc	(45cc)
i4550b	(45cc)
27av	(45cc)
27av w/cc	(45cc)

HANDLES



NO.	PART NO.	DESCRIPTION	QTY.
1	• A 08675	Rear Handle Kit	1
2	82615	Screw-Pan Hd. (12-14 x 1 1/2")	1
3	A 07596 B	Throttle Cable	1
4	07382 A	Trigger, Throttle	1
5	07383	Throttle Lock Out	1
6	• A 08683	Handle Cover Kit	1
7	07388	Throttle Lock Pin	1
8	08898	Spring, Compression	1
9	58409	Ring, Retainer	1
10	82563	Screw, Thread Form (10-14 x 3/4")	2
11	82622	Screw, Thread Form (10-14 x 1 3/8")	1
12	• A 08695	Front Handle Kit	1
	82615	Screw-Pan Hd. (12-14 x 1 1/2") (See No. 2 above)	1
13	• A 08677	Isolator Kit	1
14	82621	Screw, Truss Hd. (10-14 x 5/8")	3
15	82597	Screw, Truss Hd. (10-24 x 5/8")	1
16	01812 A	Limiter, Isolator	1
17	82541	Screw, Thread Form (10-14 x 1/2")	3

Torque Specs			
Item No.	In/Lbs	Nm	Required Loctite
2	40-50	4.5-5.6	
10	30-40	3.4-4.5	
11	30-40	3.4-4.5	
14	30-40	3.4-4.5	
15	40-50	4.5-5.6	
17	30-40	3.4-4.5	

Warranty Flat Rate		
Job	Description	Time/Hr.
FD20 ...	Handle Bar Assy.	0.3
FD24 ...	Rear Handle Assy.	0.5
FF13 ...	Throttle Cable/Trigger	0.5
FD96 ...	Isolator Kit	0.4

ACCESSORIES

	Guide Bar (Power Tip)	Chain
3/8 pitch		
12"	PT 12371 OD or PT 12371 MD (3/8")	H1 N7245 AH (3/8")
14"	PT 14371 OD or PT 14371 MD (3/8")	H1 N7252 AH (3/8")
16"	PT 16371 OD or PT 16371 MD (3/8")	H1 N7256 AH (3/8")
18"	PT 18371 OD or PT 18371 MD (3/8")	H1 N7262 AH (3/8")
.325 pitch		
13"	PT 13321 OA or PL13321 MA (.325)	D1 L7256 AH or D1 L7356 AH (.325)
15"	PT 15321 OA or PL15321 MA (.325)	D1 L7264 AH or D1 L7364 AH (.325)
16"	PT 16321 OA or PT16321 MA (.325)	D1 L7266 AH or D1 L7366 AH (.325)
18"	PT 18321 OA or PT18321 MA (.325)	D1 L7272 AH or D1 L7372 AH (.325)
20"	PT 20321 OA or PT20321 MA (.325)	D1 L7278 AH or D1 L7378 AH (.325)
Sealant Silicon	PS 24823	Tester, Spark Plug
Rubber tubing (10')	07454 99	Sta-Bil (Fuel Stabilizer)
Wrench - Combination	09207	Bit, Torx T25
Digital Tachometer	18416	Bit, Torx T27
Grease, Multi-purpose	18453	Carry Case
Compression Tester	94194	Bumper Spike Kit

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