



ENGINE PARTS BOOK



3-YEAR LIMITED WARRANTY U.S.A and Canada only.

SuperTigre™ warrants this product to be free from defects in material and workmanship for a period of three (3) years from the date of purchase. During that time, we will repair or replace, at our option, any product that does not meet these standards. You will be required to provide proof of purchase date (receipt or invoice).

If, during the three year warranty period, your SuperTigre product shows defects caused by abuse, misuse, or accident, it will be repaired or replaced, at our option, at a service charge not greater than 50% of the current retail list price. Be sure to include your daytime telephone number in case we need to contact you about your repair.

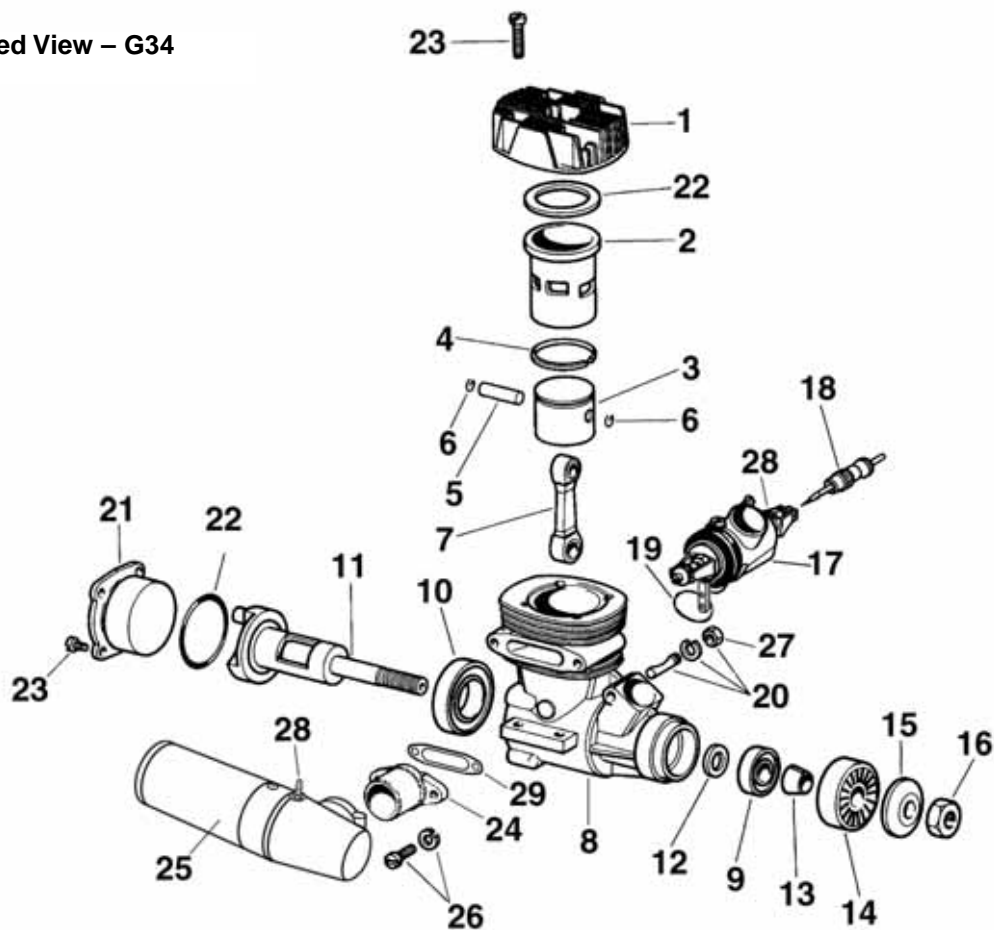
Under no circumstances will the purchaser be entitled to consequential or incidental damages. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. If you attempt to disassemble or repair this unit yourself, it may void the warranty.

For service on your SuperTigre product, either in or out of warranty, send if post paid and insured to:

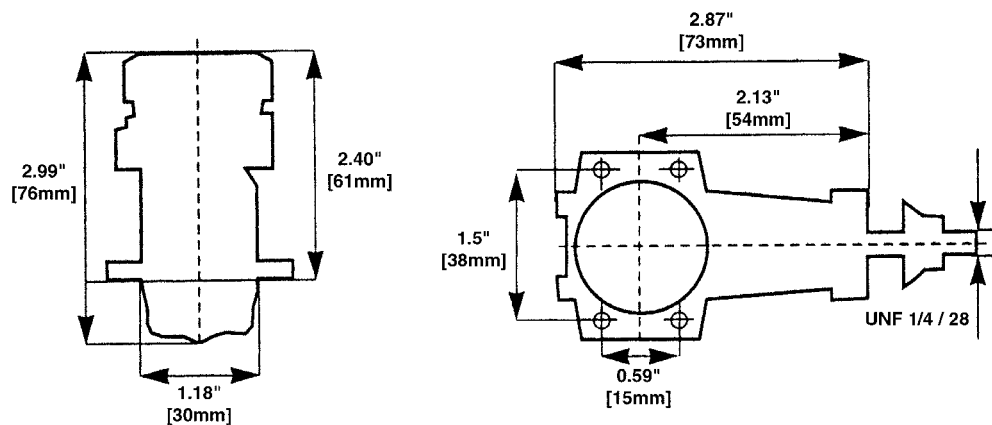
Hobby Services
3002 N. Apollo Dr., Suite 1
Champaign, IL 61822
Phone: (217) 398-0007
e-mail: www.hobbyservices.com

9:00 A.M. to 5:00 P.M. Central time
Monday through Friday

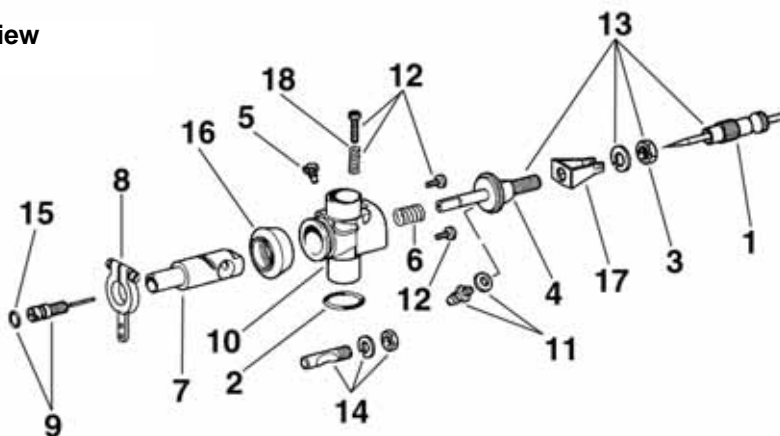
Engine Exploded View – G34



Dimensions



Carburetor Exploded View



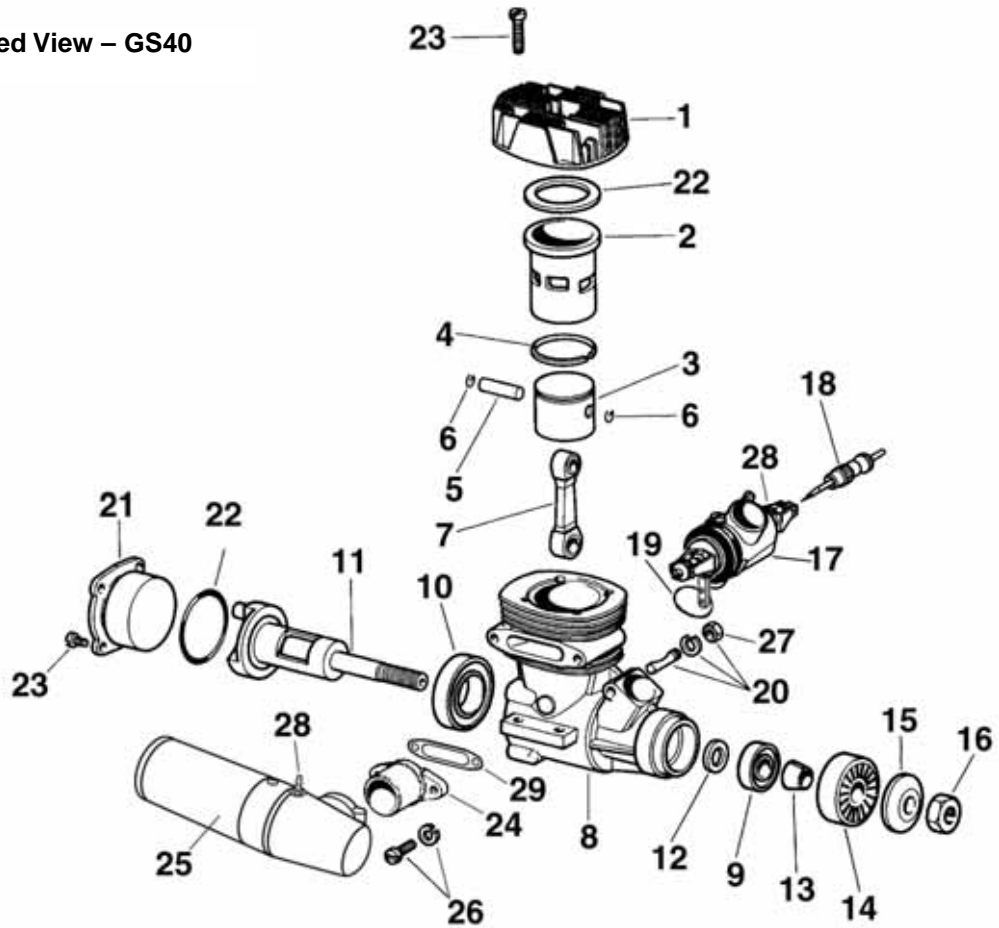
Engine Parts List – G34

View#	Part #	Description
1	22293230	Cylinder Head
2	22043138	Cylinder Liner
3	22203140	Piston
4	22232990	Piston Ring
5	22273024	Wrist Pin
6	22132077	Wrist Pin Retainer
7	22033234	Connecting Rod
8	22053139	Crankcase
9	22121911	Front Bearing
10	22122834	Rear Bearing
11	22013137	Crankshaft
12	22222856	Crankshaft Spacer
13	22100234	Lock Cone
14	22221058	Drive Washer
15	22220291	Prop Washer
16	22110245	Prop Nut
17	12163273	Carburetor
18	22262774	High Speed Needle
19	22020561	Carburetor Body O-ring
20	22080210	Carburetor Retainer
21	22283116	Backplate
22	22243041	Engine Gasket Set
23	22253042	Engine Set Screw Set
24	22482589	Exhaust Stack
25	12523410	Silent Muffler/Stack
26	22252647	Muffler Screw Set
27	22110247	Carburetor Retainer Nut
28	22210286	Fuel Nipple/Pressure Fitting
29	22243213	Exhaust Stack Gasket (5)

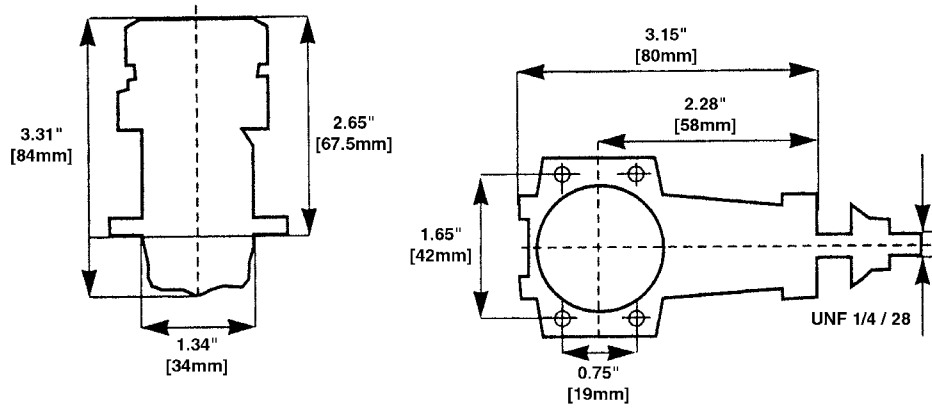
Carburetor Parts List

View#	Part#	Description
1	22262774	Needle
2	22020561	Carburetor Body O-ring
3	22111862	Needle Ratchet Spring Nut
4	22302944	Spray Bar
5	22250445	Throttle Barrel Guide Screw
6	22170815	Throttle Barrel Spring
7	22313090	Throttle Barrel
8	22333236	Throttle Arm
9	22263099	Idle Needle
10	22322648	Carburetor Body
11	22210286	Fuel Nipple
12	22250346	Screw Set
13	22073088	Needle Valve Assembly
14	22080210	Carb Retainer
15	22023104	Idle Needle O-ring
16	22592336	Throttle Barrel Dust Shield
17	22172779	Ratchet Spring
18	22170814	Throttle Barrel Stop Screw Spring

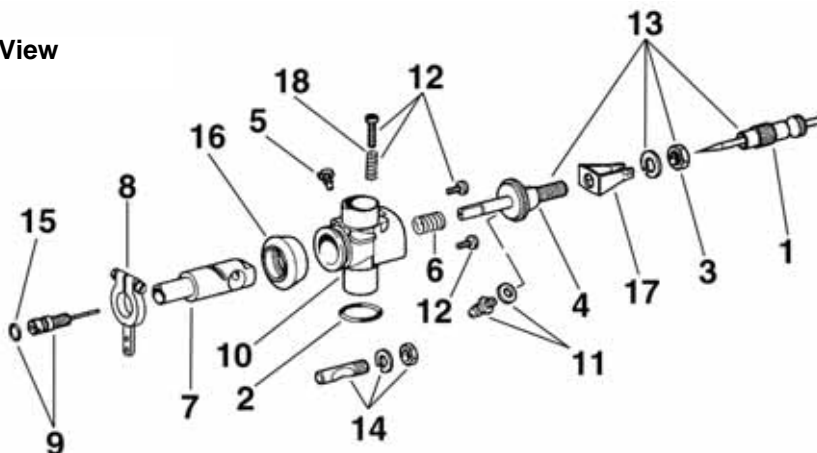
Engine Exploded View – GS40



Dimensions



Carburetor Exploded View



Engine Parts List – GS40

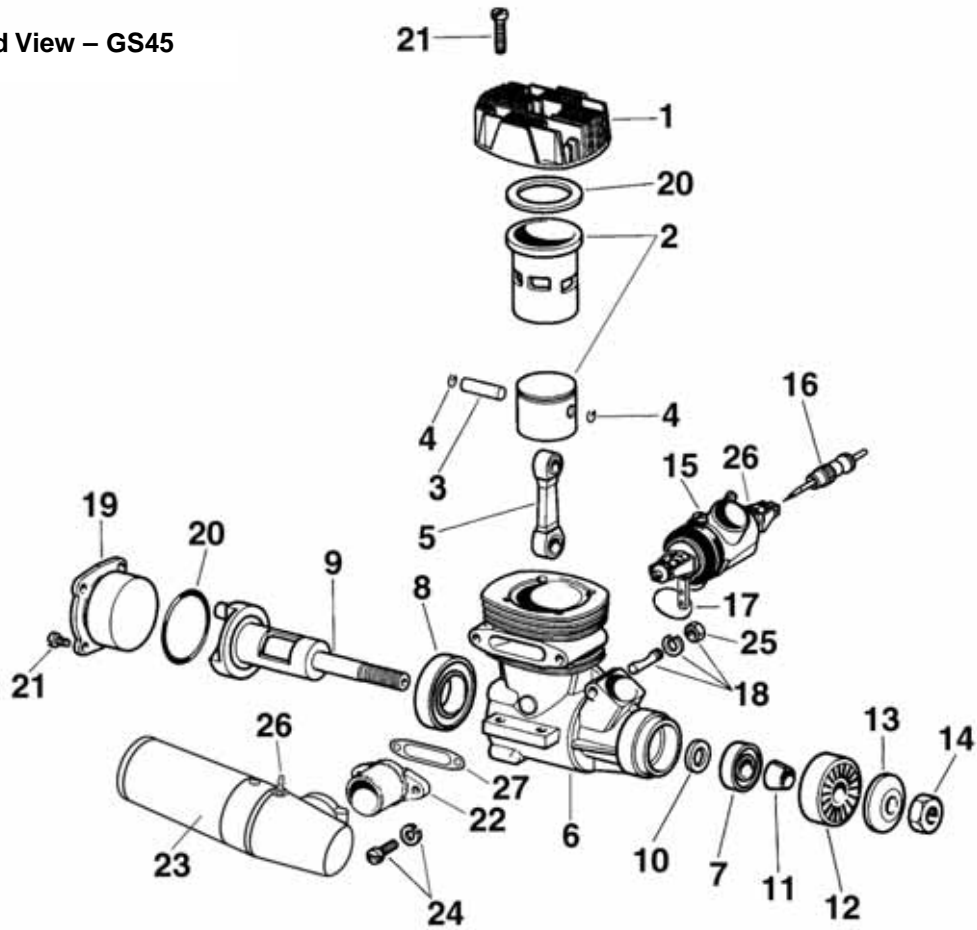
View#	Part #	Description
1	22292863	Cylinder Head
2	22043279	Cylinder Liner
3	22203278	Piston
4	22231279	Piston Ring
5	22271616	Wrist Pin
6	22130249	Wrist Pin Retainer
7	22032243	Connecting Rod
8	22053208	Crankcase
9	22121911	Front Bearing
10	22121059	Rear Bearing
11	22013251	Crankshaft
12	22220294	Crankshaft Spacer
13	22100234	Lock Cone
14	22221058	Drive Washer
15	22220291	Prop Washer
16	22110245	Prop Nut
17	12163145	Carburetor
18	22262774	High Speed Needle
19	22020562	Carburetor Body O-ring
20	22080212	Carburetor Retainer
21	22283280	Backplate
22	22242894	Engine Gasket Set
23	22252747	Engine Screw Set
24	22482571	Exhaust Stack
25	12523411	Silent Muffler
25*	12523618	Economy Muffler
26	22253579	Muffler Screw Set
27	22110247	Carburetor Retainer Nut
28	22210286	Fuel Nipple/Pressure Fitting
29	22243220	Exhaust Stack Gasket (5)

*Not Shown

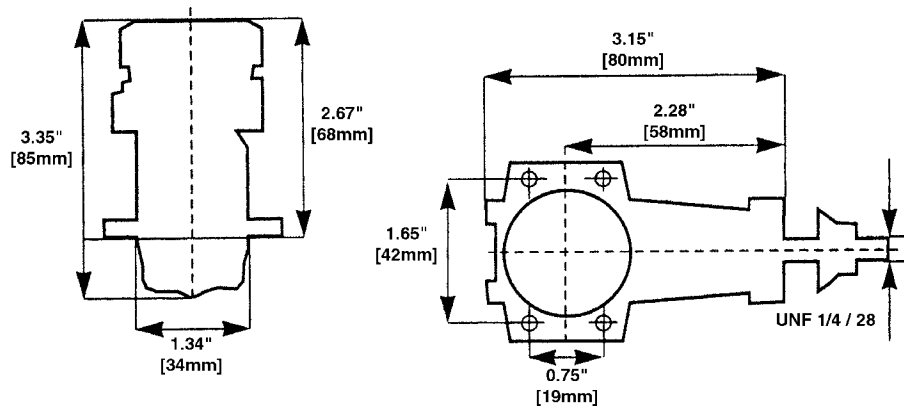
Carburetor Parts List

View#	Part#	Description
1	22262774	High Speed Needle
2	22020562	Carburetor Body O-ring
3	22111862	Needle Ratchet Spring Nut
4	22302775	Spray Bar
5	22250445	Throttle Barrel Guide Screw
6	22170815	Throttle Barrel Spring
7	22313144	Throttle Barrel
8	22333236	Throttle Arm
9	22263099	Idle Needle
10	22322404	Carburetor Body
11	22210286	Fuel Nipple
12	22250346	Screw Set
13	22072812	Needle Valve Assembly
14	22080212	Carburetor Retainer
15	22023104	Idle Needle O-ring
16	22592342	Throttle Barrel Dust Shield
17	22172779	Ratchet Spring
18	22170814	Throttle Barrel Stop Screw Spring

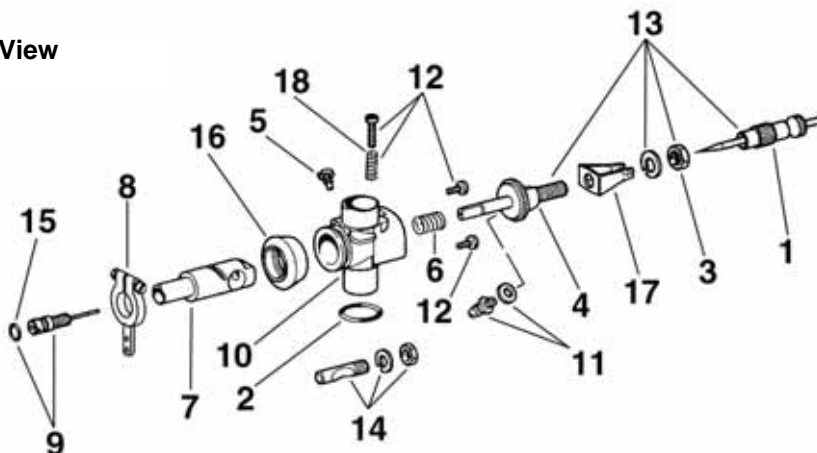
Engine Exploded View – GS45



Dimensions



Carburetor Exploded View



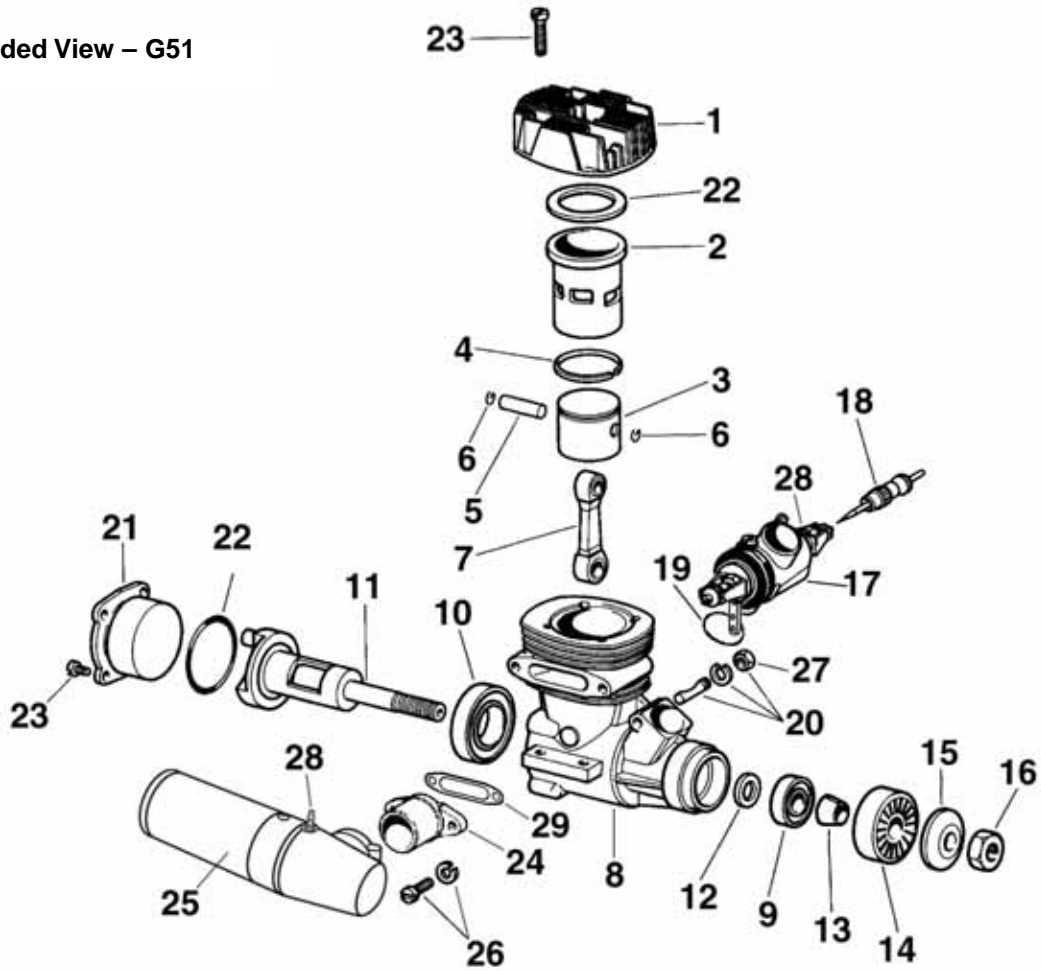
Engine Parts List – GS45 ABC

View#	Part #	Description
1	22292888	Cylinder Head
2	22093292	ABC Cylinder & Piston Assembly
3	22271616	Wrist Pin
4	22130249	Wrist Pin Retainer
5	22032243	Connecting Rod
6	22053295	Crankcase
7	22121911	Front Bearing
8	22121059	Rear Bearing
9	22013291	Crankshaft
10	22220294	Crankshaft Spacer
11	22100234	Lock Cone
12	22221058	Drive Washer
13	22220291	Prop Washer
14	22110245	Prop Nut
15	12163145	Carburetor
16	22262774	High Speed Needle
17	22020562	Carburetor Body O-ring
18	22080212	Carburetor Retainer
19	22283296	Backplate
20	22242894	Engine Gasket Set
21	22252747	Engine Screw Set
22	22482571	Exhaust Stack
23	12523411	Silent Muffler
24	22253579	Muffler Screw Set
25	22110247	Carburetor Retainer Nut
26	22210286	Fuel Nipple/Pressure Fitting
27	22243220	Exhaust Stack Gasket (5)

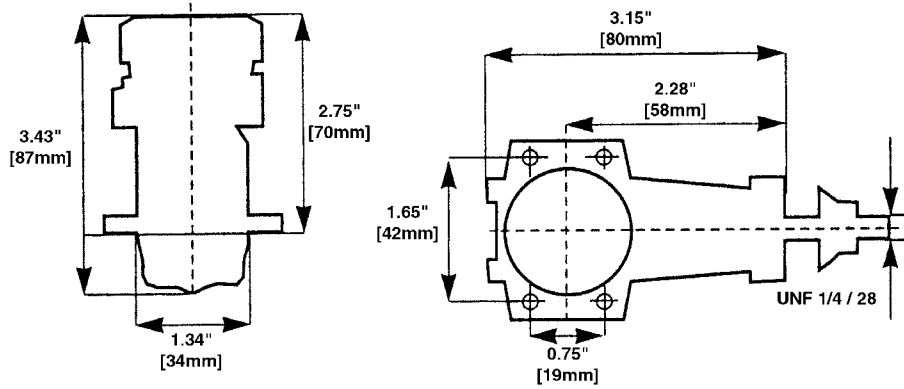
Carburetor Parts List

View#	Part#	Description
1	22262774	High Speed Needle
2	22020562	Carburetor Body O-ring
3	22111862	Needle Ratchet Spring Nut
4	22302775	Spray Bar
5	22250445	Throttle Barrel Guide
6	22170815	Throttle Barrel Spring
7	22313144	Throttle Barrel
8	22333236	Throttle Arm
9	22263099	Idle Needle
10	22322404	Carburetor Body
11	22210286	Fuel Nipple
12	22250346	Screw Set
13	22072812	Needle Valve Assembly
14	22080212	Carburetor Retainer
15	22023104	Idle Needle O-ring
16	22592342	Throttle Barrel Dust Shield
17	22172779	Ratchet Spring
18	22170814	Throttle Barrel Stop Screw Spring

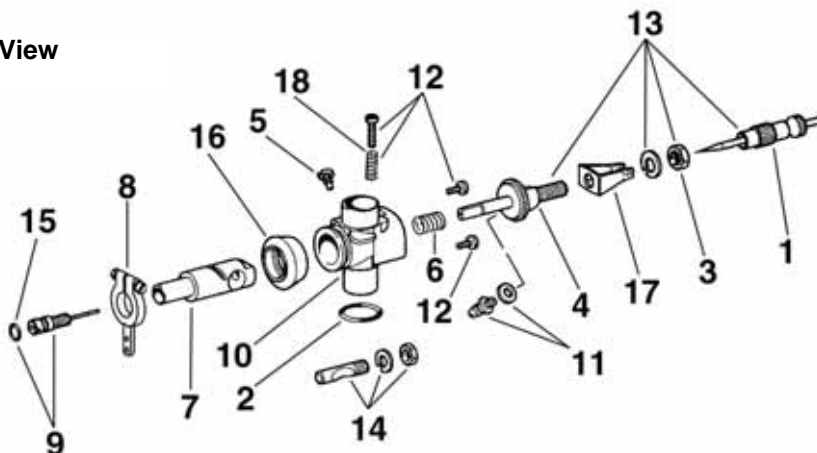
Engine Exploded View – G51



Dimensions



Carburetor Exploded View



Engine Parts List – G51

View#	Part#	Description
1	22293178	Cylinder Head
2	22043129	Cylinder Liner–G51 R/C
2	22043181	Cylinder Liner–G51 C/L
3	22203177	Piston
4	22232394	Piston Ring
5	22271572	Wrist Pin
6	22130249	Wrist Pin Retainer
7	22032683	Connecting Rod
8	22053141	Crankcase
9	22121911	Front Bearing
10	22121059	Rear Bearing
11	22013154	Crankshaft
12	22220294	Crankshaft Spacer
13	22100234	Lock Cone
14	22221058	Drive Washer
15	22220291	Prop Washer
16	22110245	Prop Nut
17	12163145	Carburetor–G51 R/C
18	22262774	High Speed Needle–G51 R/C
19	22020562	Carburetor Body O-ring–G51 R/C
20	22080212	Carburetor Retainer
21	22282632	Backplate
22	22243216	Engine Gasket Set
23	22252747	Engine Screw Set
24	22482571	Exhaust Stack
25	12523411	Silent Muffler
26	22253579	Muffler Screw Set
27	22110247	Carburetor Retainer Nut
28	22210286	Fuel Nipple/Pressure
29	22243220	Exhaust Stack Gasket (5)
not shown	22260354	Needle–G51 C/L
not shown	22020561	Carburetor Body O-ring–G51 C/L

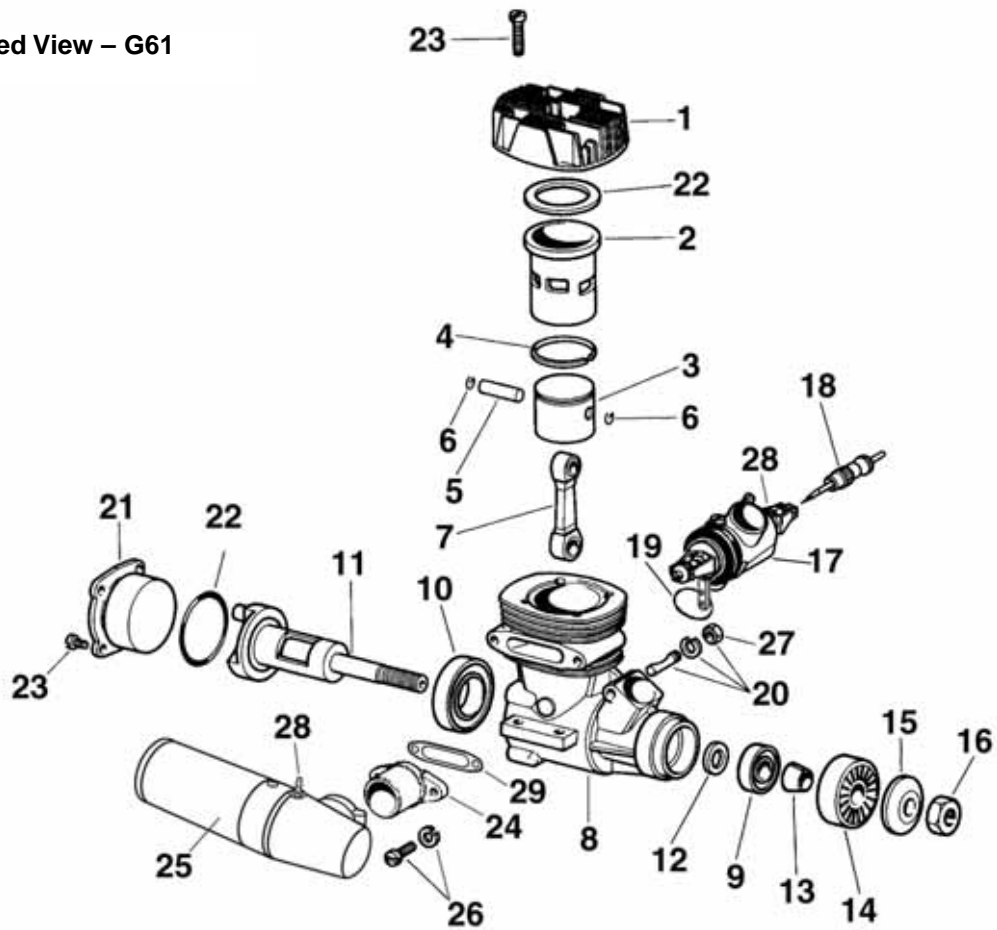
G51 R/C & C/L Carburetor Parts List

View#	Part#	Description
1	22262774	High Speed Needle
2	22020562	Carburetor Body O-ring
3	22111862	Needle Ratchet Spring Nut
4	22302775	Spray Bar
5	22250445	Throttle Barrel Guide Screw
6	22170815	Throttle Barrel Spring
7	22313144	Throttle Barrel
8	22333236	Throttle Arm
9	22263099	Idle Needle
10	22322404	Carburetor Body
11	22210286	Fuel Nipple
12	22250346	Screw Set
13	22072812	Needle Valve Assembly
14	22080212	Carburetor Retainer
15	22023104	Idle Needle O-ring
16	22592342	Throttle Barrel Dust Shield
17	22172779	Ratchet Spring
18	22170814	Throttle Barrel Stop Screw Spring

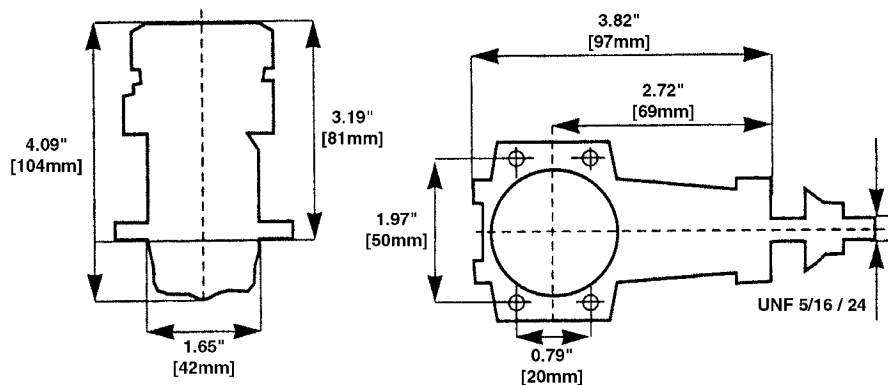
G51 C/L Carburetor Parts

View#	Part#	Description
not shown	22260354	Needle
not shown	22020561	Venturi O-ring
not shown	22070153	Needle Assembly/Spray Bar
not shown	22110136	Needle Valve Lock Nut
not shown	22323195	Venturi

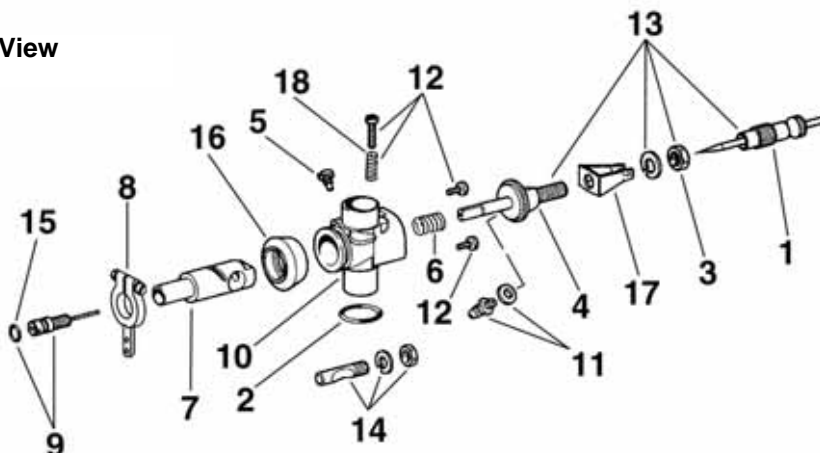
Engine Exploded View – G61



Dimensions



Carburetor Exploded View



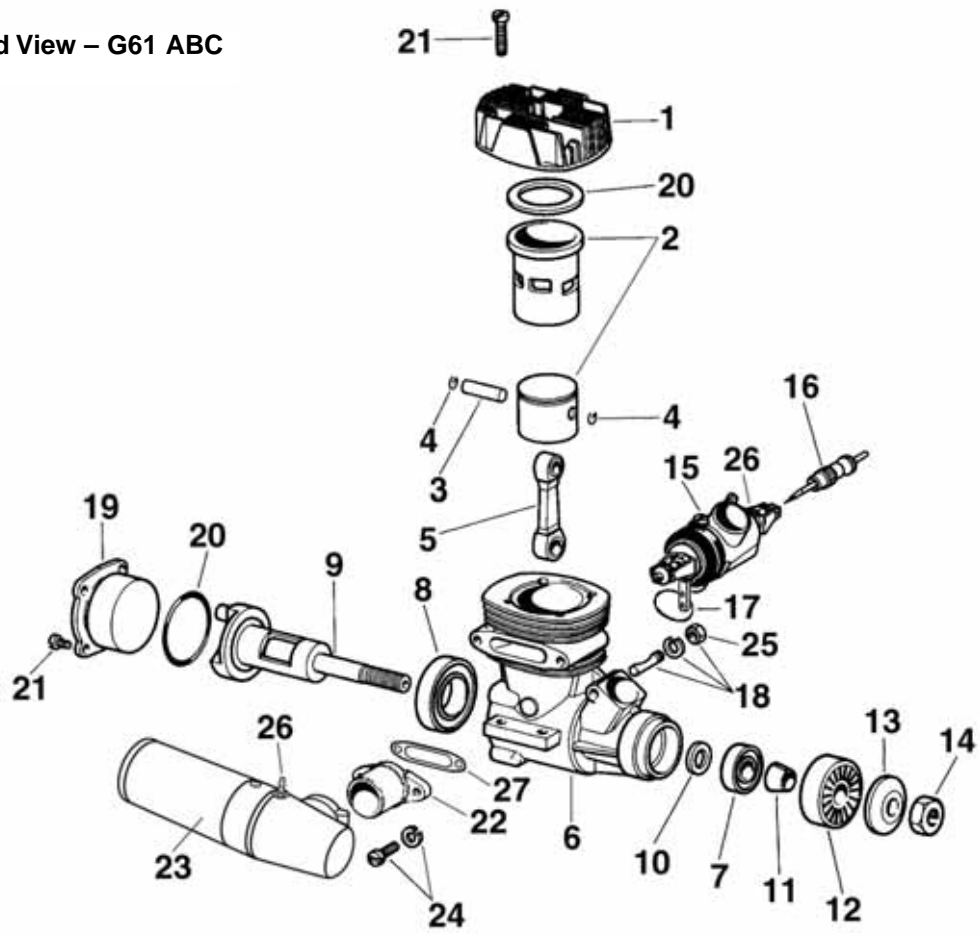
Engine Parts List – G61

View#	Part#	Description
1	22292525	Cylinder Head
2	22042684	Cylinder Liner
3	22201847	Piston
4	22231205	Piston Ring
5	22271773	Wrist Pin
6	22131638	Wrist Pin Retainer
7	22032121	Connecting Rod
8	22053077	Crankcase
9	22121908	Front Bearing
10	22123543	Rear Bearing
11	22012445	Crankshaft
12	22220295	Crankshaft Spacer
13	22101912	Lock Cone
14	22221907	Drive Washer
15	22221903	Prop Washer
16	22112167	Prop Nut
17	12163146	Carburetor
18	22262774	High Speed Needle
19	22020562	Carburetor Body O-ring
20	22082378	Carburetor Retainer
21	22283574	Backplate
22	22243637	Engine Gasket Set
23	22253638	Engine Screw Set
24	22482519	Exhaust Stack
25	12523412	Silent Muffler
26	22253579	Muffler Screw Set
27	22110247	Carburetor Retainer Nut
28	22210286	Fuel Nipple/Pressure Fitting
29	22243221	Exhaust Stack Gasket (5)

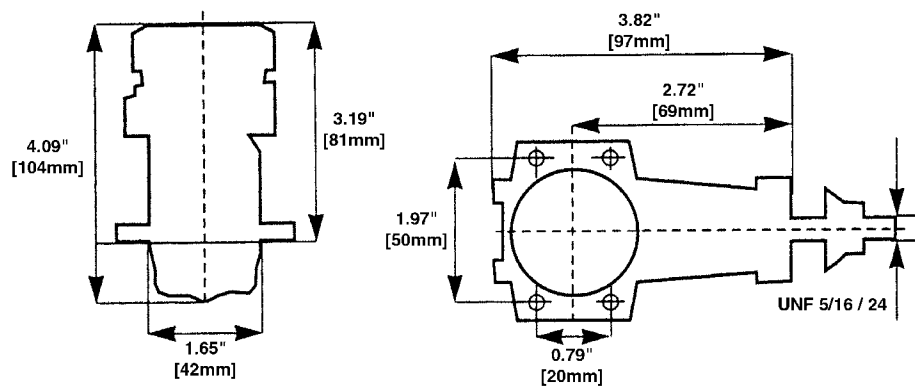
Carburetor Parts List

View#	Part#	Description
1	22262774	High Speed Needle
2	22020562	Carburetor Body O-ring
3	22111862	Needle Ratchet Spring Nut
4	22302773	Spray Bar
5	22250445	Throttle Barrel Guide Screw
6	22170815	Throttle Barrel Spring
7	22313144	Throttle Barrel
8	22333236	Throttle Arm
9	22263099	Idle Needle
10	22322332	Carburetor Body
11	22210286	Fuel Nipple
12	22250346	Screw Set
13	22072813	Needle Valve Assembly
14	22082378	Carburetor Retainer
15	22023104	Idle Needle O-ring
16	22592342	Throttle Barrel Dust Shield
17	22172779	Ratchet Spring
18	22170814	Throttle Barrel Stop Screw Spring

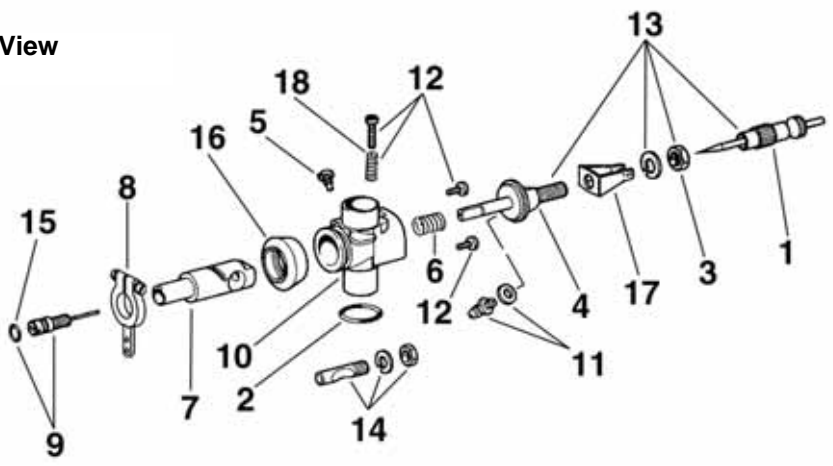
Engine Exploded View – G61 ABC



Dimensions



Carburetor Exploded View



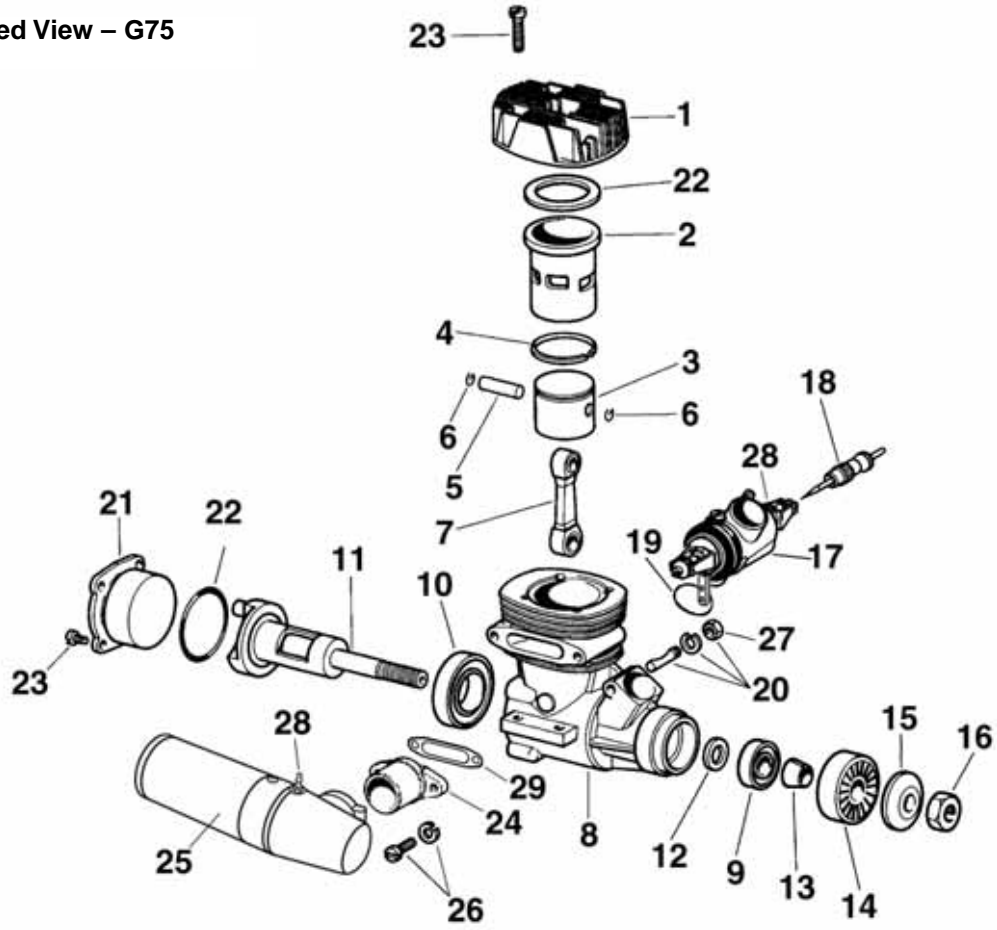
Engine Parts List – G61 ABC

View#	Part#	Description
1	22292525	Cylinder Head
2	22092686	ABC Cylinder & Piston Assembly
3	22271773	Wrist Pin
4	22131638	Wrist Pin Retainer
5	22032121	Connecting Rod
6	22053077	Crankcase
7	22121908	Front Bearing
8	22123543	Rear Bearing
9	22012445	Crankshaft
10	22220295	Crankshaft Spacer
11	22101912	Lock Cone
12	22221907	Drive Washer
13	22221903	Prop Washer
14	22112167	Prop Nut
15	12163146	Carburetor
16	22262774	High Speed Needle
17	22020562	Carburetor Body O-ring
18	22082378	Carburetor Retainer
19	22283574	Backplate
20	22243637	Engine Gasket Set
21	22253638	Engine Screw Set
22	22482519	Exhaust Stack
23	12523412	Silent Muffler
24	22253579	Muffler Screw Set
25	22110247	Carburetor Retainer Nut
26	22210286	Fuel Nipple/Pressure Fitting
27	22243221	Exhaust Stack Gasket (5)

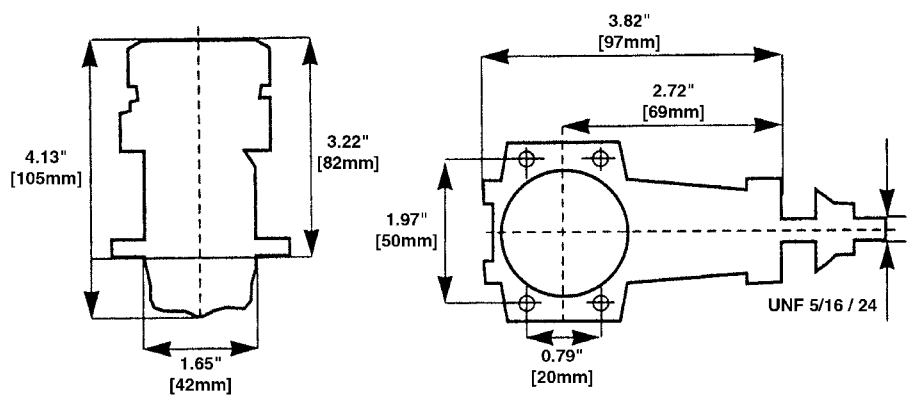
Carburetor Parts List

View#	Part#	Description
1	22262774	High Speed Needle
2	22020562	Carburetor Body O-ring
3	22111862	Needle Ratchet Spring Nut
4	22302773	Spray Bar
5	22250445	Throttle Barrel Guide Screw
6	22170815	Throttle Barrel Spring
7	22313144	Throttle Barrel
8	22333236	Throttle Arm
9	22263099	Idle Needle
10	22322332	Carburetor Body
11	22210286	Fuel Nipple
12	22250346	Screw Set
13	22072813	Needle Valve Assembly
14	22082378	Carburetor Retainer
15	22023104	Idle Needle O-ring
16	22592342	Throttle Barrel Dust Shield
17	22172779	Ratchet Spring
18	22170814	Throttle Barrel Stop Screw Spring

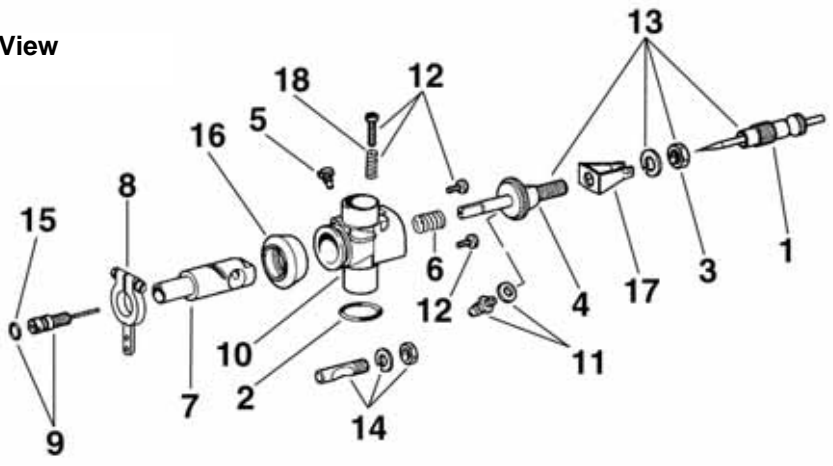
Engine Exploded View – G75



Dimensions



Carburetor Exploded View



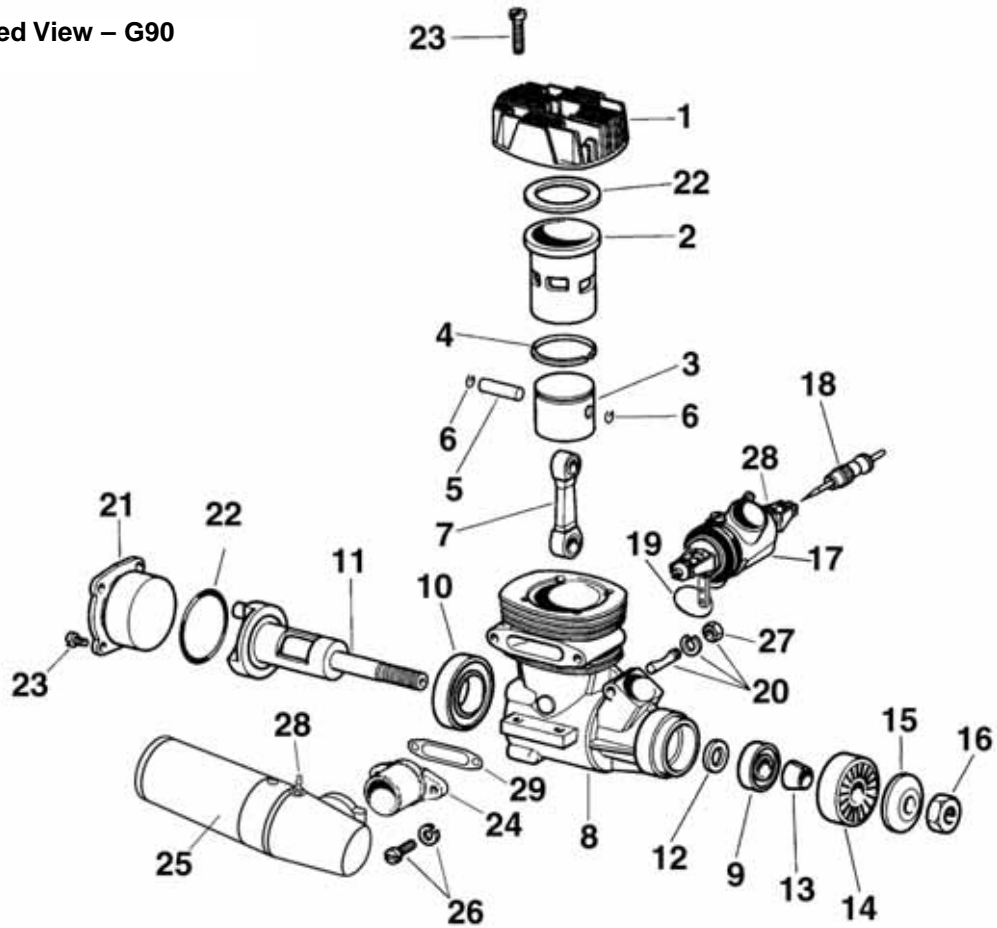
Engine Parts List – G75

View#	Part#	Description
1	22292675	Cylinder Head
2	22042615	Cylinder Liner
3	22201902	Piston
4	22231893	Piston Ring
5	22271887	Wrist Pin
6	22131886	Wrist Pin Retainer
7	22031897	Connecting Rod
8	22053569	Crankcase
9	22121908	Front Bearing
10	22123543	Rear Bearing
11	22012446	Crankshaft
12	22220295	Crankshaft Spacer
13	22101912	Lock Cone
14	22221907	Drive Washer
15	22221903	Prop Washer
16	22112167	Prop Nut
17	12163146	Carburetor
18	22262774	High Speed Needle
19	22020562	Carburetor Body O-ring
20	22082378	Carburetor Retainer
21	22283575	Backplate
22	22243576	Engine Gasket Set
23	22253578	Engine Screw Set
24	22482519	Exhaust Stack
25	12523412	Silent Muffler
26	22253579	Muffler Screw Set
27	22110247	Carburetor Retainer Nut
28	22210286	Fuel Nipple/Pressure Fitting
29	22243221	Exhaust Stack Gasket (5)

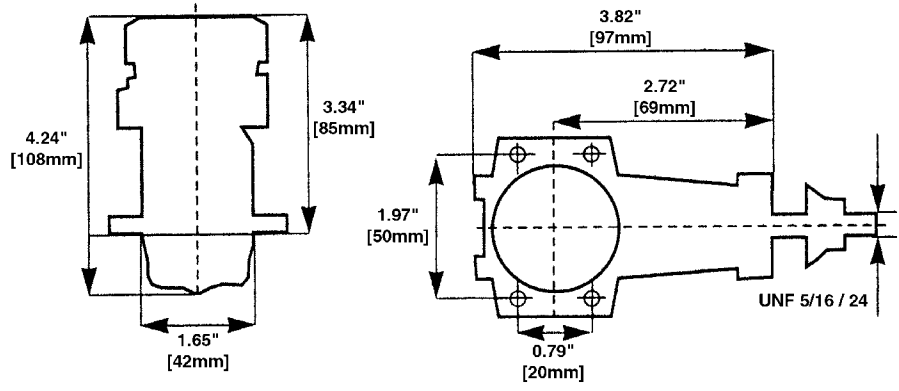
Carburetor Parts List

View#	Part#	Description
1	22262774	High Speed Needle
2	22020562	Carburetor Body O-ring
3	22111862	Needle Ratchet Spring Nut
4	22302773	Spray Bar
5	22250445	Throttle Barrel Guide Screw
6	22170815	Throttle Barrel Spring
7	22313144	Throttle Barrel
8	22333236	Throttle Arm
9	22263099	Idle Needle
10	22322332	Carburetor Body
11	22210286	Fuel Nipple
12	22250346	Screw Set
13	22072813	Needle Valve Assembly
14	22082378	Carburetor Retainer
15	22023104	Idle Needle O-ring
16	22592342	Throttle Barrel Dust Shield
17	22172779	Ratchet Spring
18	22170814	Throttle Barrel Stop Screw Spring

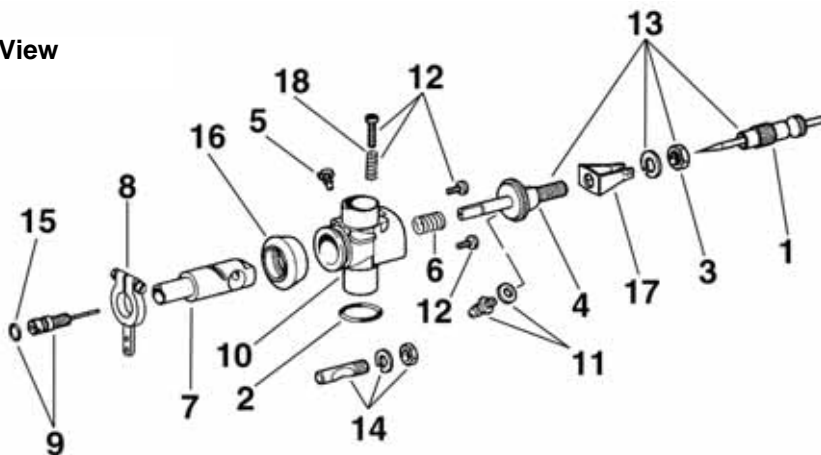
Engine Exploded View – G90



Dimensions



Carburetor Exploded View



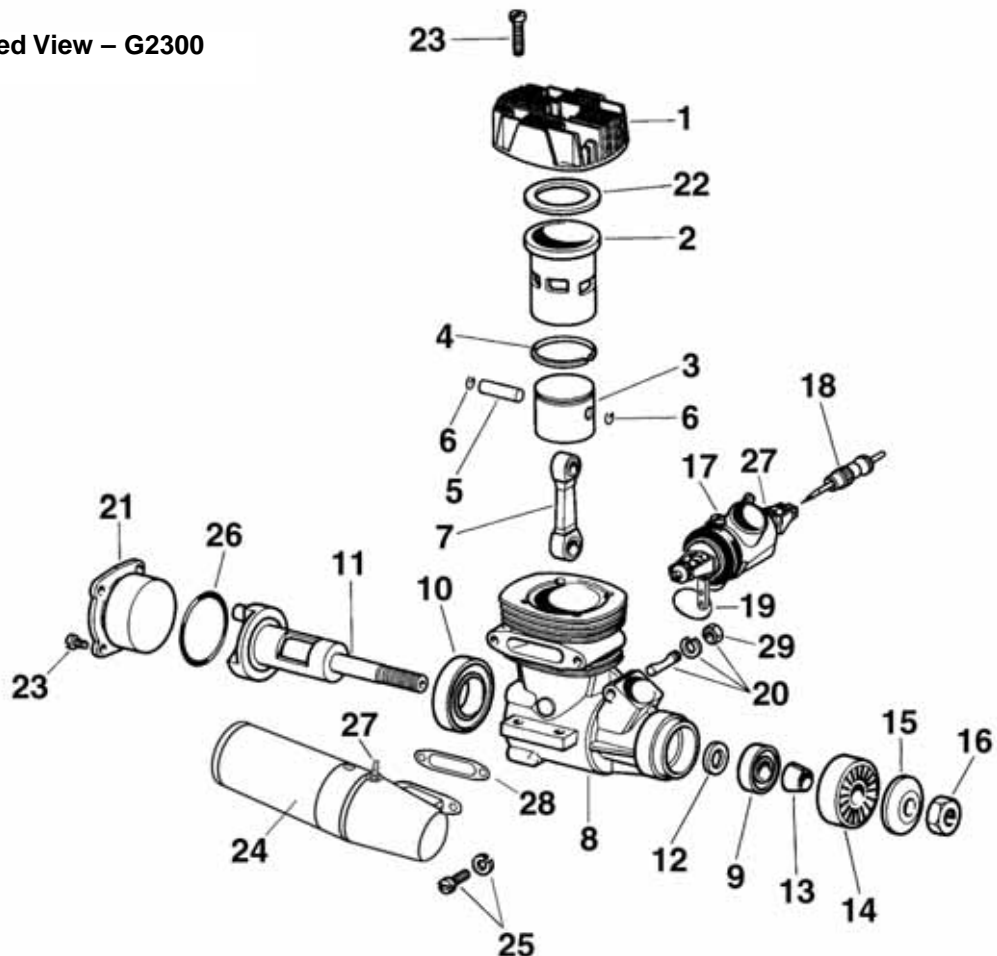
Engine Parts List – G90

View#	Part#	Description
1	22292674	Cylinder Head
2	22042616	Cylinder Liner
3	22203582	Piston
4	22232277	Piston Ring
5	22273486	Wrist Pin
6	22131886	Wrist Pin Retainer
7	22033581	Connecting Rod
8	22053545	Crankcase
9	22121908	Front Bearing
10	22123543	Rear Bearing
11	22013583	Crankshaft
12	22220295	Crankshaft Spacer
13	22101912	Lock Cone
14	22221907	Drive Washer
15	22221903	Prop Washer
16	22112167	Prop Nut
17	12163146	Carburetor
18	22262774	High Speed Needle
19	22020562	Carburetor Body O-ring
20	22082378	Carburetor Retainer
21	22283574	Backplate
22	22243577	Engine Gasket Set
23	22253578	Engine Screw Set
24	22482519	Exhaust Stack
25	12523412	Silent Muffler
26	22253579	Muffler Screw Set
27	22110247	Carburetor Retainer Nut
28	22210286	Fuel Nipple/Pressure Fitting
29	22243221	Exhaust Stack Gasket (5)

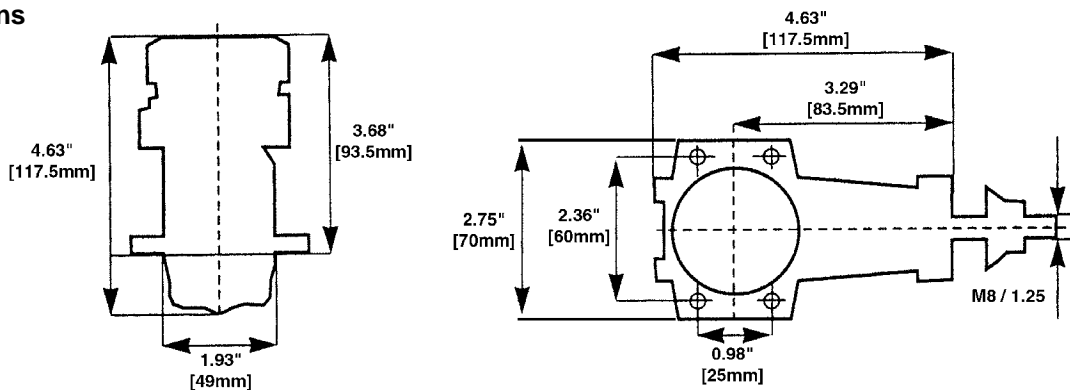
Carburetor Parts List

View#	Part#	Description
1	22262774	High Speed Needle
2	22020562	Carburetor Body O-ring
3	22111862	Needle Ratchet Spring Nut
4	22302773	Spray Bar
5	22250445	Throttle Barrel Guide Screw
6	22170815	Throttle Barrel Spring
7	22313144	Throttle Barrel
8	22333236	Throttle Arm
9	22263099	Idle Needle
10	22322332	Carburetor Body
11	22210286	Fuel Nipple
12	22250346	Screw Set
13	22072813	Needle Valve Assembly
14	22082378	Carburetor Retainer
15	22023104	Idle Needle O-ring
16	22592342	Throttle Barrel Dust Shield
17	22172779	Ratchet Spring
18	22170814	Throttle Barrel Stop Screw Spring

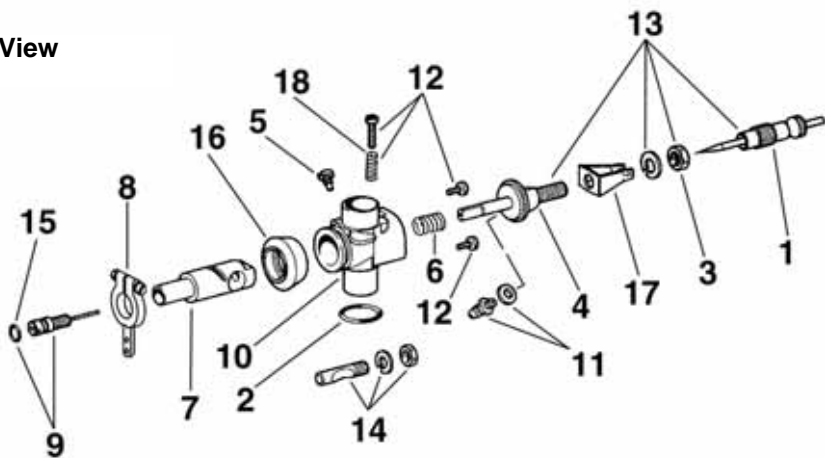
Engine Exploded View – G2300



Dimensions



Carburetor Exploded View



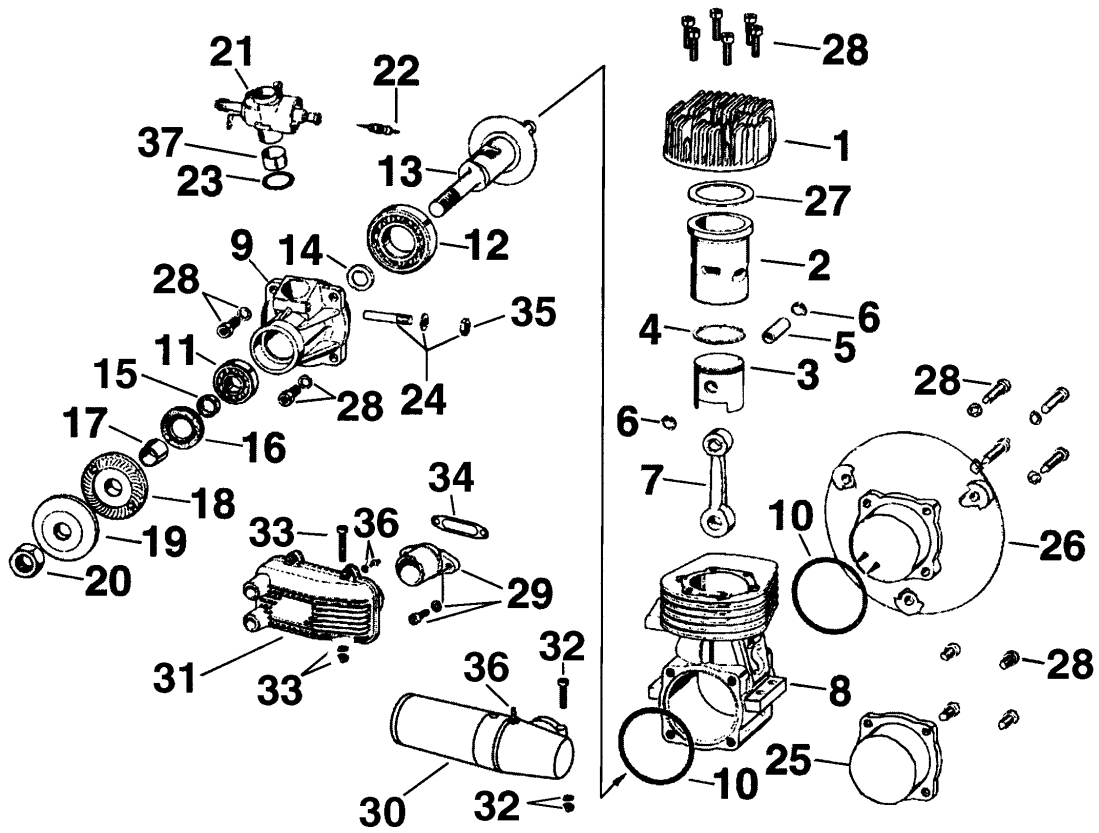
Engine Parts List – G2300

View#	Part#	Description
1	22293729	Cylinder Head
2	22043728	Cylinder Liner
3	22203727	Piston
4	22233767	Piston Ring
5	22272134	Wrist Pin
6	22132141	Wrist Pin Retainer
7	22033725	Connecting Rod
8	22053726	Crankcase
9	22121908	Front Bearing
10	22123002	Rear Bearing
11	22013724	Crankshaft
12	22220295	Crankshaft Spacer
13	22103754	Lock Cone
14	22223749	Drive Washer
15	22223758	Prop Washer
16	22113779	Prop Nut
17	12163765	Carburetor
18	22262774	High Speed Needle
19	22020577	Carburetor Body O-ring
20	22082016	Carburetor Retainer
21	22283639	Backplate
22	22243766	Engine Gasket Set
23	22253764	Engine Screw Set
24	12523768	Silent Muffler
25	22253940	Muffler Screws
26	22021254	Backplate O-ring
27	22210286	Fuel Nipple/Pressure Fitting
28	22243929	Muffler Gaskets
29	22210247	Carburetor Retainer Nut

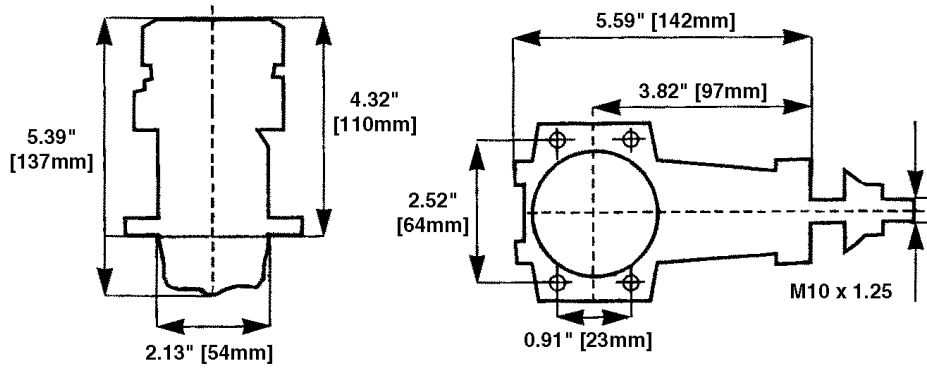
Carburetor Parts List

View#	Part#	Description
1	22262774	High Speed Needle
2	22020577	Carburetor Body O-ring
3	22111862	Needle Ratchet Spring Nut
4	22303685	Spray Bar
5	22250445	Throttle Barrel Guide Screw
6	22170815	Throttle Barrel Spring
7	22313126	Throttle Barrel
8	22333236	Throttle Arm
9	22263170	Idle Needle
10	22323124	Carburetor Body
11	22210286	Fuel Nipple
12	22253211	Screw Set
13	22073687	Needle Valve Assembly
14	22082016	Carburetor Retainer
15	22023104	Idle Needle O-ring
16	22593127	Throttle Barrel Dust Shield
17	22172779	Ratchet Spring
18	22170814	Throttle Barrel Stop Screw Spring
not shown	22623366	Carburetor Intake Restrictor

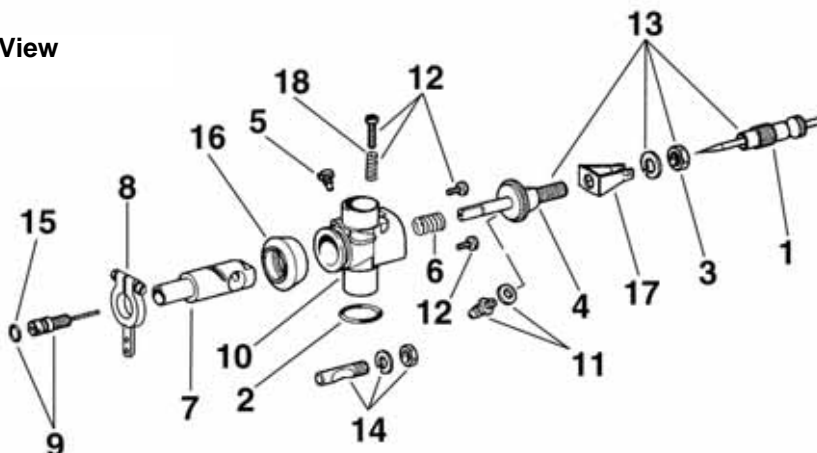
Engine Exploded View – G3250



Dimensions



Carburetor Exploded View



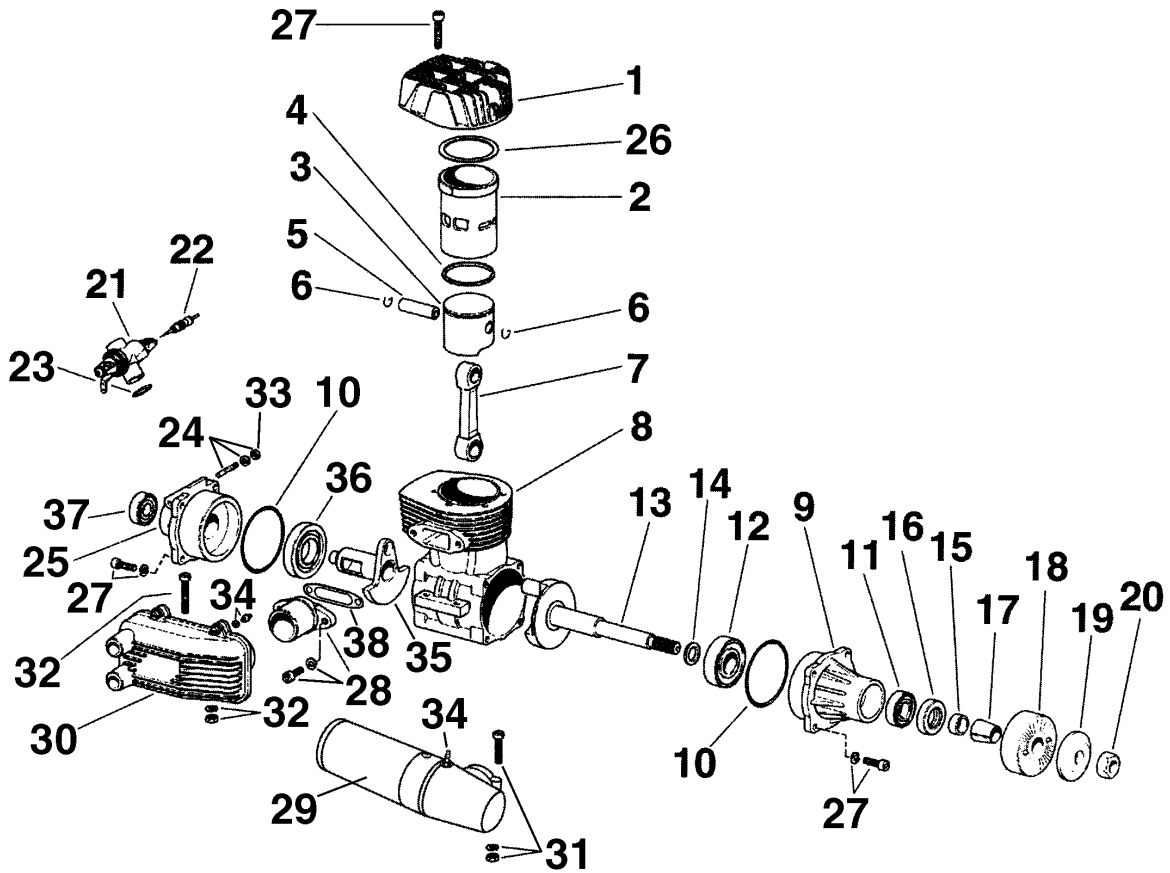
Engine Parts List – G3250

View#	Part #	Description
1	22293566	Cylinder Head
2	22043504	Cylinder Liner
3	22203520	Piston
4	22233501	Piston Ring
5	22272233	Wrist Pin
6	22132141	Wrist Pin Retainer
7	22033607	Connecting Rod
8	22053519	Crankcase
9	22283568	Front Cover
10	22021254	Crankcase O-ring Set
11	22122004	Front Bearing
12	22122005	Rear Bearing
13	22013509	Crankshaft
14	22222006	Crankshaft Spacer
15	22022007	Shaft Ring
16	22022008	Oil Seal
17	22102009	Lock Cone
18	22222010	Drive Washer
19	22222011	Prop Washer
20	22112012	Prop Nut
21	12163686	Carburetor
22	22262774	High-Speed Needle
23	22020577	Carburetor Body O-ring
24	22082016	Carburetor Retainer
25	22281883	Backplate
26	22281884	Motor Mount
27	22243595	Engine Gasket Set
28	22252018	Engine Screw Set
29	22482094	Exhaust Stack
30	12523530	Silent Muffler
31	12522790	Box Style Muffler
32	22253174	Silent Muffler Screw Set
33	22252848	Box Style Muffler Screw Set
34	22243525	Exhaust Stack Gasket (5)
35	22210247	Carburetor Retainer Nut
36	22210286	Fuel Nipple/Pressure Fitting
37	22022014	Carburetor Adapter Ring

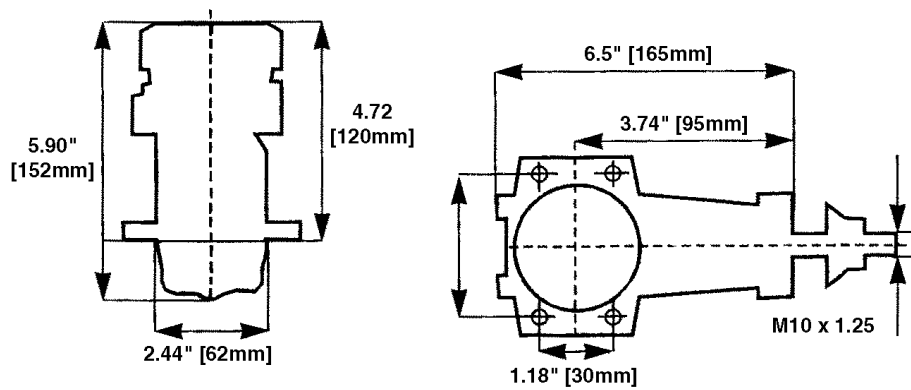
Carburetor Parts List

View#	Part#	Description
1	22262774	Needle
2	22020577	Carburetor Body O-ring
3	22111862	Needle Ratchet Spring Nut
4	22303125	Spray Bar
5	22250445	Throttle Barrel Guide Screw
6	22170815	Throttle Barrel Spring
7	22313126	Throttle Barrel
8	22333236	Throttle Arm
9	22263170	Idle Needle
10	22323124	Carburetor Body
11	22210286	Fuel Nipple
12	22253211	Screw Set
13	22073210	Needle Valve Assembly
14	22082016	Carb Retainer
15	22023104	Idle Needle O-ring
16	22593127	Throttle Barrel Dust Shield
17	22172779	Ratchet Spring
18	22170814	Throttle Barrel Stop Screw Spring

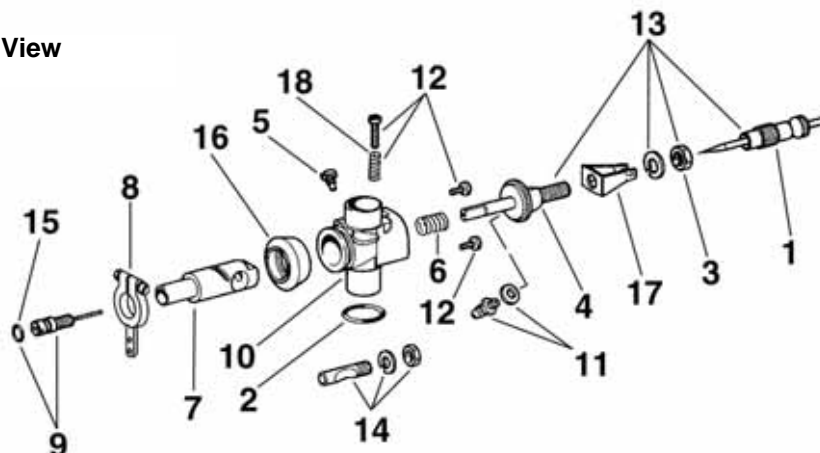
Engine Exploded View – G4500



Dimensions



Carburetor Exploded View



Engine Parts List – G4500

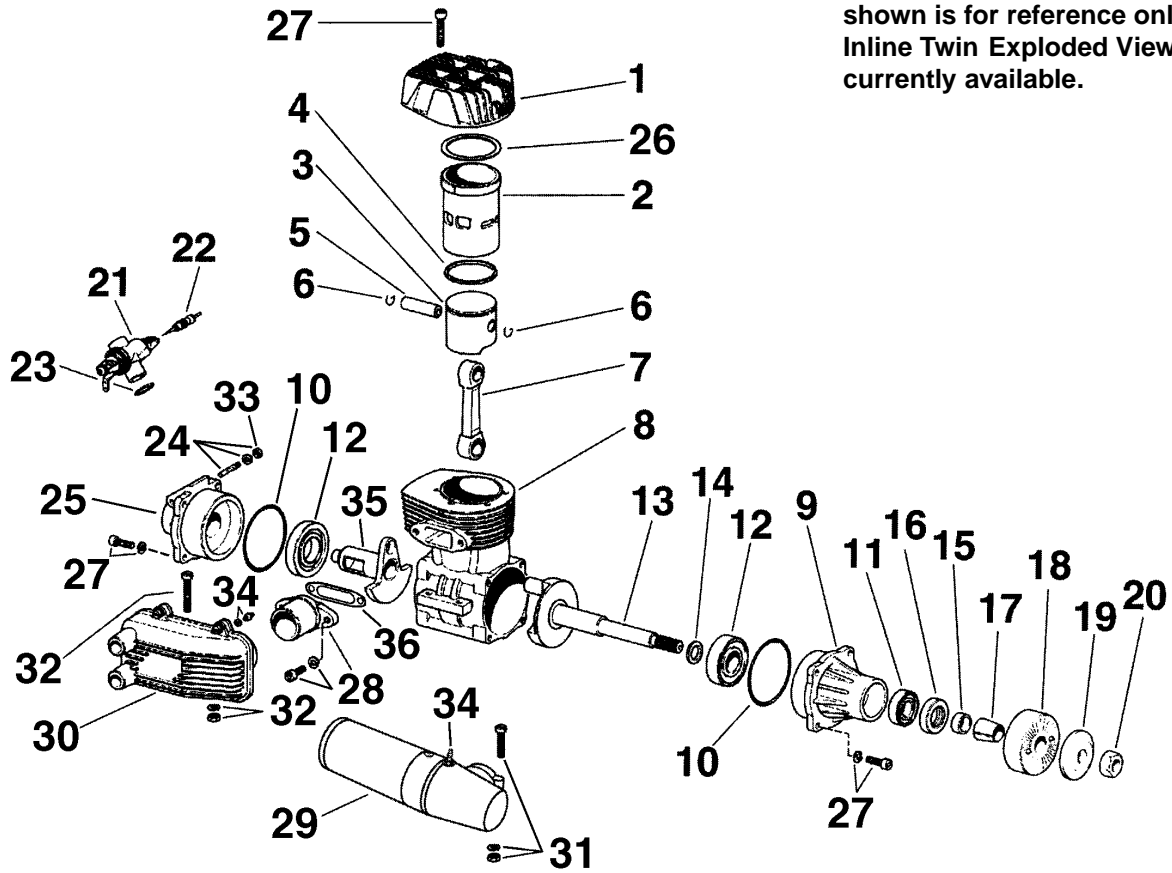
View#	Part #	Description
1	22292923	Cylinder Head
2	22042999	Cylinder Liner
3	22203004	Piston
4	22232957	Piston Ring
5	22273008	Wrist Pin
6	22133003	Wrist Pin Retainer
7	22032994	Connecting Rod
8	22052922	Crankcase
9	22282924	Front Cover
10	22022937	Crankcase O-ring Set
11	22120241	Front Bearing
12	22123001	Rear Bearing
13	22012935	Front Crankshaft
14	22222480	Crankshaft Spacer
15	22022476	Shaft Ring
16	22022477	Oil Seal
17	22102479	Lock Cone
18	22222481	Drive Washer
19	22222011	Prop Washer
20	22112012	Prop Nut
21	12163686	Carburetor
22	22262774	High-Speed Needle
23	22020577	Carburetor Body O-ring
24	22082016	Carburetor Retainer
25	22282925	Backplate
26	22243037	Engine Gasket Set
27	22253038	Engine Screw Set
28	22482981	Exhaust Stack
29	12523530	Silent Muffler
30	12522790	Box Style Muffler
31	22253174	Silent Muffler Screw Set
32	22252848	Box Style Muffler Screw Set
33	22110247	Carburetor Retainer Nut
34	22210286	Fuel Nipple/Pressure Fitting
35	22012978	Rear Crankshaft
36	22123002	Backplate Front Bearing
37	22123000	Backplate Rear Bearing
38	22243525	Exhaust Stack Gasket (5)
not shown	22513040	Motor Mount

Carburetor Parts List

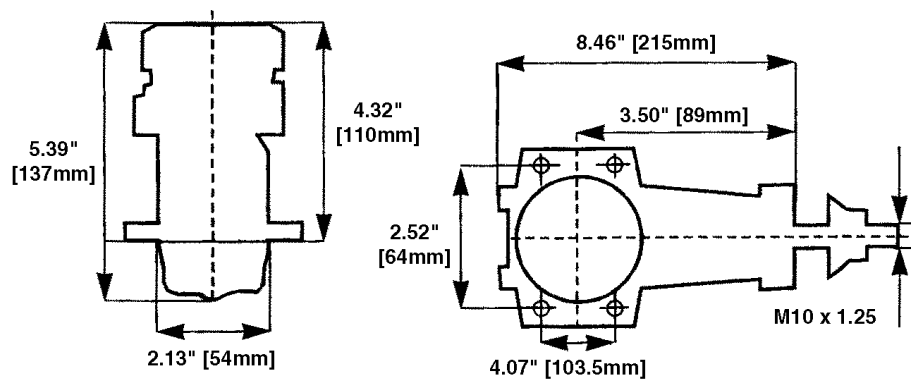
View#	Part#	Description
1	22262774	Needle
2	22020577	Carburetor Body O-ring
3	22111862	Needle Ratchet Spring Nut
4	22303125	Spray Bar
5	22250445	Throttle Barrel Guide Screw
6	22170815	Throttle Barrel Spring
7	22313126	Throttle Barrel
8	22333236	Throttle Arm
9	22263170	Idle Needle
10	22323124	Carburetor Body
11	22210286	Fuel Nipple
12	22253211	Screw Set
13	22073210	Needle Valve Assembly
14	22082016	Carb Retainer
15	22023104	Idle Needle O-ring
16	22593127	Throttle Barrel Dust Shield
17	22172779	Ratchet Spring
18	22170814	Throttle Barrel Stop Screw Spring

Engine Exploded View – 60cc Inline Twin

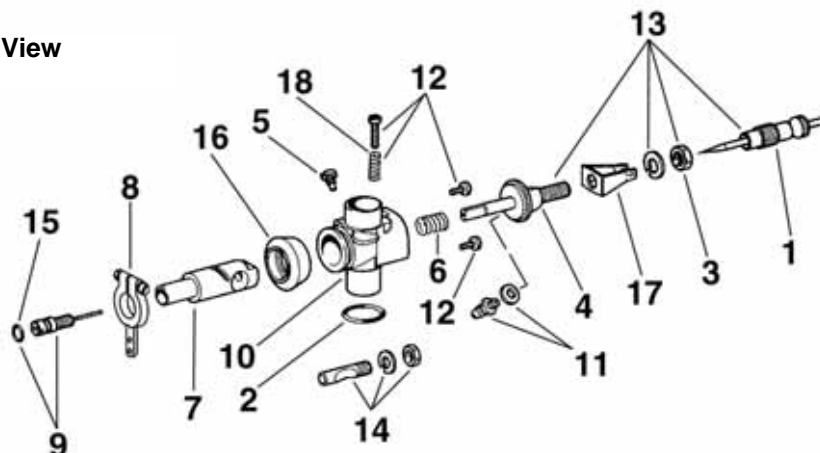
Note: Exploded View of G4500 shown is for reference only. 60cc Inline Twin Exploded View is not currently available.



Dimensions



Carburetor Exploded View



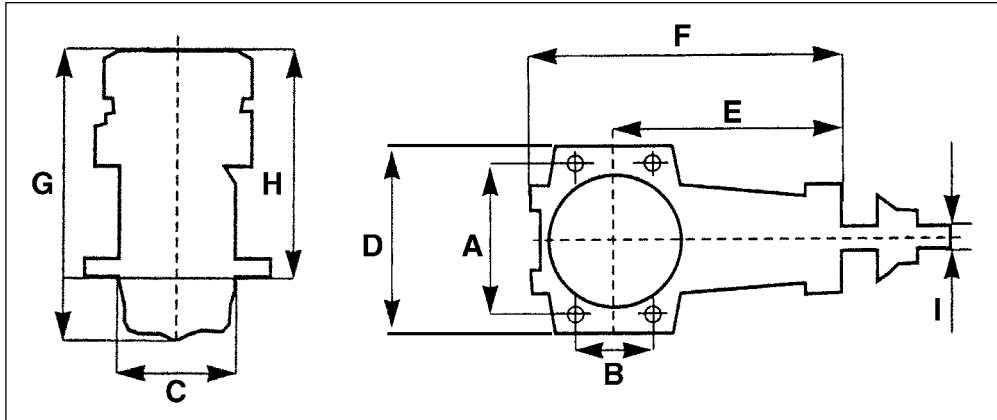
Engine Parts List – 60cc Inline Twin

View#	Part #	Description
1	22292286	Cylinder Head
2	22042213	Cylinder Liner
3	22202216	Piston
4	22232232	Piston Ring
5	22272233	Wrist Pin
6	22132141	Wrist Pin Retainer
7	22032561	Connecting Rod
8	22052478	Crankcase
9	22282374	Front Cover
10	22021254	Crankcase O-ring Set
11	22120241	Front Bearing
12	22122005	Rear Bearings
13	22012473	Front Crankshaft
14	22222480	Crankshaft Spacer
15	22022476	Shaft Ring
16	22022477	Oil Seal
17	22102479	Lock Cone
18	22222481	Drive Washer
19	22222011	Prop Washer
20	22112012	Prop Nut
21	12163686	Carburetor
22	22262774	High-Speed Needle
23	22020562	Carburetor Body O-ring
24	22082016	Carburetor Retainer
25	22282484	Backplate
26	22242491	Cylinder Head Gasket Set
27	22252489	Engine Screw Set
28	22482094	Exhaust Stack
29	12523530	Silent Muffler
30	12522790	Box Style Muffler
31	22253174	Silent Muffler Screw Set
32	22252848	Box Style Muffler Screw Set
33	22110247	Carburetor Retainer Nut
34	22210286	Fuel Nipple/Pressure Fitting
35	22012474	Rear Crankshaft
not shown	22122005	Rear Bearing
36	22243221	Exhaust Stack Gasket (5)
not shown	22022490	Crankcase O-ring Set
not shown	22282375	Twin Middle Housing
not shown	22012475	Drive Flange
not shown	22082485	Woodruff Key
not shown	22252483	Stay Bolt Set
not shown	22252562	Mounting Screw Set
not shown	22512275	Motor Mount

Carburetor Parts List

View#	Part#	Description
1	22262774	Needle
2	22020577	Carburetor Body O-ring
3	22111862	Needle Ratchet Spring Nut
4	22303125	Spray Bar
5	22250445	Throttle Barrel Guide Screw
6	22170815	Throttle Barrel Spring
7	22313126	Throttle Barrel
8	22333236	Throttle Arm
9	22263170	Idle Needle
10	22323124	Carburetor Body
11	22210286	Fuel Nipple
12	22253211	Screw Set
13	22073210	Needle Valve Assembly
14	22082016	Carb Retainer
15	22023104	Idle Needle O-ring
16	22593127	Throttle Barrel Dust Shield
17	22172779	Ratchet Spring
18	22170814	Throttle Barrel Stop Screw Spring

ENGINE DIMENSIONS CHART



Standard (inches)

Engine	A	B	C	D	E	F	G	H	I
G34 RING R/C	1.50	0.59	1.18	1.77	2.13	2.87	2.99	2.40	UNF 1/4" x 28
GS 40 RING R/C	1.65	0.75	1.34	1.97	2.28	3.15	3.31	2.65	UNF 1/4" x 28
GS 45 ABC R/C	1.65	0.75	1.34	1.97	2.28	3.15	3.35	2.67	UNF 1/4" x 28
G51 RING CL	1.65	0.75	1.34	1.97	2.28	3.15	3.43	2.75	UNF 1/4" x 28
G51 RING R/C	1.65	0.75	1.34	1.97	2.28	3.15	3.43	2.75	UNF 1/4" x 28
G61 RING	1.97	0.79	1.65	2.36	2.72	3.82	4.09	3.19	UNF 5/16" x 24
G61 ABC R/C	1.97	0.79	1.65	2.36	2.72	3.82	4.09	3.19	UNF 5/16" x 24
G75 RING R/C	1.97	0.79	1.65	2.36	2.72	3.82	4.13	3.22	UNF 5/16" x 24
G90 RING R/C	1.97	0.79	1.65	2.36	2.72	3.82	4.24	3.34	UNF 5/16" x 24
G2300 RING R/C	2.36	0.98	1.93	2.78	3.29	4.63	4.63	3.68	UNF 5/16" x 24
G3250 R/C	2.52	0.91	2.13	2.87	3.82	5.59	5.39	4.32	UNF 5/16" x 24
G4500 R/C	2.91	1.18	2.44	3.39	3.74	6.50	5.90	4.72	M10 x 1.25

Metric (millimeters)

Engine	A	B	C	D	E	F	G	H	I
G34 RING R/C	38	15	30	45	54	73	76	61	UNF 1/4" x 28
GS 40 RING R/C	42	19	34	50	58	80	84	67.5	UNF 1/4" x 28
GS 45 ABC R/C	42	19	34	50	58	83	85	68	UNF 1/4" x 28
G51 RING CL	42	19	34	50	58	80	87	70	UNF 1/4" x 28
G51 RING R/C	42	19	34	50	58	80	87	70	UNF 1/4" x 28
G61 RING	50	20	42	60	69	97	104	81	UNF 5/16" x 24
G61 ABC R/C	50	20	42	60	69	97	104	81	UNF 5/16" x 24
G75 RING R/C	50	20	42	60	69	97	105	82	UNF 5/16" x 24
G90 RING R/C	50	20	42	60	69	97	108	85	UNF 5/16" x 24
G2300 RING R/C	60	25	49	70	83.5	117.5	117.5	93.5	UNF 5/16" x 24
G3250 R/C	64	23	54	73	97	142	137	110	UNF 5/16" x 24
G4500 R/C	74	30	62	86	95	165	152	120	M10 x 1.25



