

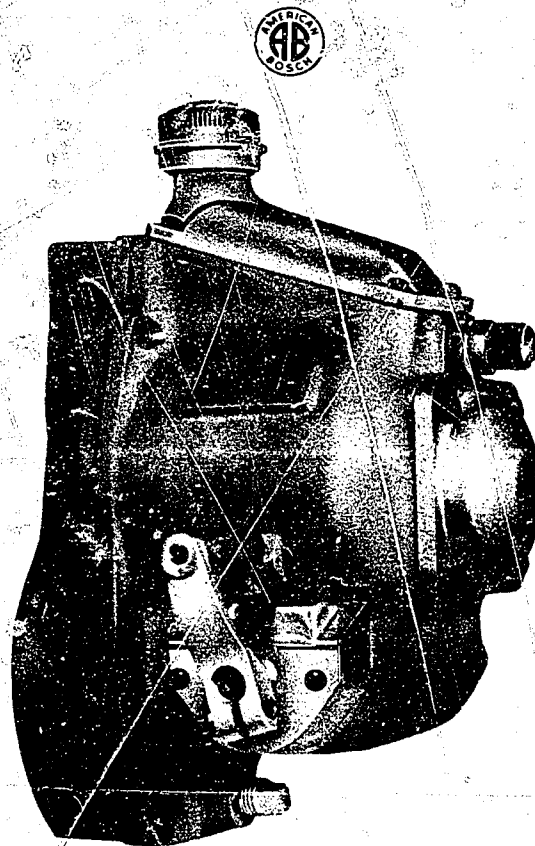
GVB

BK

AMERICAN BOSCH CORPORATION SPRINGFIELD, MASS. U.S.A.

These pages supersede
pages D330 issued Sep-
tember, 1942

AMERICAN BOSCH VARIABLE SPEED GOVERNOR



TYPE GVB.../...BK
PARTS LIST

These manual pages contain a complete list of service parts for American Bosch type GVB . . . / . . . BK governors.

All illustration numbers refer to the exploded view which will be found immediately following the parts list section. Illustration numbers are intended for reference purposes only and should never be used when ordering parts.

The first parts list covers the GVB . . . / . . . BK-1 governor which has been used as a basic list. Other type governors are listed as variations of the GVB . . . / . . . BK-1 and refer back to the basic list.

RULES FOR ORDERING PARTS

1. Give part number and description of part. Never use illustration number.
 2. Include complete type designation of governor as given on the governor name plate.
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AMERICAN BOSCH CORPORATION SPRINGFIELD MASS U S A

GVB . . . / . . . BK-1 Governor

This governor has operating lever and speed adjustment at right side when facing governor end of pump. Designed for approximately 5% regulation with 1:4 gear ratio.

<u>Illustration Number</u>	<u>Part Number</u>	<u>Quantity Used</u>	<u>Description of Part</u>
1	CV 7962-1A	1	COVER ASSEMBLY, end—includes parts 2, 3, 4, and 5
2	PK 795	2	*SEAL, oil
3	SC 7970	1	PLUG, drain
4	GA 7996	1	*GASKET, drain plug
5	BG 793	2	*BUSHING
6	GA 7988	1	*GASKET, end cover
7	SC 67298	4	SCREW, end cover fastening
8	WA 22-8 CA	4	WASHER, lock—end cover fastening screw
9	WA 7916	4	WASHER, plain—end cover fastening screw
10	FL 798-1	1	FLANGE, operating lever
11	SC 61-8 CA	3	SCREW, operating lever flange fastening
12	SC 7938	2	*SCREW, stop adjusting
13	NT 796	2	*NUT, lock—stop adjusting screw
14	CV 7922	1	COVER, operating lever flange
15	SC 7934	1	SCREW, operating lever flange cover
16	CV 7921	1	PLATE, operating lever flange
17	SC 7934	2	SCREW, operating lever flange plate
18	WA 6-4 CA	2	WASHER, lock—operating lever flange plate screw
19	SH 7942A	1	SHAFT, operating lever—includes part 20
20	SC 7930	1	*SCREW, spring hub fastening
21	LE 7954	1	LEVER, operating
22	SC 7961	1	*SCREW, clamping
23	NT 7919	1	NUT, clamping screw
24	PN 2-20 BL	1	PIN, cotter
25	SC 7963	4	SCREW, end cap fastening
26	WA 22-8 CA	4	WASHER, lock—end cap fastening screw
27	WA 7916	4	WASHER, plain—end cap fastening screw
28	CP 799-1	1	CAP, end
29	BB 799	1	*BEARING, ball—end cap
30	GA 7989	1	*GASKET, end cap
31	CP 793	1	CAP, bumper spring adjusting screw
32	SC 7940	1	*SCREW, bumper spring adjusting
33	GA 7965	2	*GASKET, bumper spring cap
34	NT 798	1	NUT, lock—bumper spring adjusting screw
35	SP 7946A	1	SPRING, bumper
36	CV 7975-1	1	COVER, top
37	GA 7992	1	*GASKET, top cover
38	SC 7963	4	SCREW, top cover fastening
39	WA 22-8 CA	4	WASHER, lock—top cover fastening screw
40	WA 7916	4	WASHER, plain—top cover fastening screw
41	CV 76119A	1	*CAP, breather
42	GA 79106	1	*GASKET, breather cap

*Fast moving part

AMERICAN BOSCH CORPORATION SPRINGFIELD MASS U.S.A.

<u>Illustration Number</u>	<u>Part Number</u>	<u>Quantity Used</u>	<u>Description of Part</u>
43	SC 150-2	2	SCREW, name plate fastening
44	NP 7631	1	PLATE, name
45	LE 7933A	1	YOKE ASSEMBLY, fulcrum (individual parts not serviced separately)
46	PL 798A	1	HUB, spring
47	SP 7929	1	*SPRING, operating lever
48	SC 7929	2	SCREW, pivot
49	WA 22-10 CA	2	WASHER, lock—pivot screw
50	CA 792/1	1	CAM, stop
51	WA 21-5	1	WASHER, lock—stop cam screw
52	NT 4-5	1	NUT, stop cam screw
53	SC 7931	1	SCREW, stop cam fastening
54	PN 7923	1	PIN, linkage
55	WA 22-8 CA	1	WASHER, lock—linkage pin
56	NT 8-8 CA	1	NUT, lock—linkage pin
57	PL 7915A	1	PLATE, stop
58	NT 8-8	2	NUT, stop plate adjusting
59	WA 1067	3	WASHER, plain
60	SC 57-10 CA	2	SCREW, stop plate bridge fastening
61	BK 797-1	1	BRIDGE, stop plate
62	NT 793	1	NUT, spring seat
63	WA 796	1	*WASHER, lock—spring seat nut
64	GU 798/1	1	SEAT, spring
65	SR 796	As required	*SPACER, outer spring
66		As required	SPRING, inner—governor
67		As required	SPRING, outer—governor (For spring combinations, see table at end of list)
68	SR 797/1	As required	SPACER, inner spring—0.020" thick
68	SR 797/2	As required	SPACER, inner spring—0.042" thick
68	SR 797/3	As required	SPACER, inner spring—0.058" thick
68	SR 797/4	As required	*SPACER, inner spring—0.083" thick
69	SV 794A	1	SLEEVE ASSEMBLY (individual parts not serviced separately)
**	WT 7915A	1	WEIGHT and SHAFT ASSEMBLY (not shown assembled—includes 70-74)
70	SH 796A	1	SHAFT, governor weight
71	WT 7932A	1	WEIGHT ASSEMBLY, (not shown assembled) consists of two matched weights with needle bearings (72) and pins (73)
72	BN 791	6	*BEARING, needle
73	PN 7921	2	*PIN, short—weight nose needle bearing
74	PN 7918	2	*PIN, long—weight pivot
75	PL 799	1	PLATE, bearing
76	BB 791	1	BEARING, ball
77	BK 799-1	1	BRIDGE, bearing
78	SC 57-7 BL	3	SCREW, bearing plate fastening
79	GE 792	1	GEAR, driven
80	WA 796	1	*WASHER, lock
81	NT 793	1	NUT, gear retaining
82	SC 63-8 CA	4	SCREW, bearing bridge fastening
83	NT 7927	1	NUT, camshaft

*Fast moving part

**Not illustrated

AMERICAN BOSCH CORPORATION, SPRINGFIELD, MASS., U.S.A.

<u>Illustration Number</u>	<u>Part Number</u>	<u>Quantity Used</u>	<u>Description of Part</u>
84	WA 1184	1	*WASHER, lock—camshaft nut
**	GE 7931A	1	GEAR ASSEMBLY, drive (not shown assembled—includes parts 85-91)
85	NT 795	1	NUT, drive gear fastening
86	WA 795	1	*WASHER, lock—drive gear nut
87	DC 791	1	*DISC, spring—outer
88	DC 791	1	*DISC, spring—inner
89	SR 794/1	As required	*SPACER, drive gear—0.035" thick
89	SR 794/2	As required	*SPACER, drive gear—0.049" thick
89	SR 794/3	As required	*SPACER, drive gear—0.065" thick
90	GE 791	1	GEAR, drive
91	HB 7912	1	HUB, drive gear
92	HG 7991-1	1	HOUSING
93	GA 7991	1	*GASKET, housing
94	NSR 494/22X	6	SCREW, housing mounting
95	SC 67298	2	SCREW, housing fastening
96	GA 7613	2	*GASKET, housing fastening screw
97	SC 63-10 CA	1	SCREW, housing mounting plug
98	PG 796	1	PLUG, housing mounting

GOVERNOR SPRING COMBINATIONS

<u>Governor Type</u>	<u>Inner Spring Illustration 66</u>	<u>Outer Spring Illustration 67</u>	<u>Spring Spacing Adjustment Inner</u>	<u>Outer</u>
GVB-225/450	SP 7927/4	—	Flush	—
GVB-225/475	SP 7927/2	—	Flush	—
GVB-225/500	SP 7927/2	—	Flush	—
GVB-225/550	SP 7927/1	—	Flush	—
GVB-225/600	SP 7927/3	—	Flush	—
GVB-225/625	SP 7927/3	—	Flush	—
GVB-225/650	SP 7927/1	SP 7926	Flush	Flush
GVB-225/675	SP 7927/1	SP 7926	Flush	Flush
GVB-225/700	SP 7927/3	SP 7926	Flush	Flush

GVB... / ... BK-6

These governors have operating levers at right side and speed adjustments at left side when facing governor end of pump. Designed for approximately 5% regulation with 1:4 gear ratio.

<u>Illustration Number</u>	<u>Part Number</u>	<u>Quantity Used</u>	<u>Description of Part</u>
1	CV 7964-1A	1	COVER ASSEMBLY, end—includes parts 2, 3, 4, and 5
2	PK 795	2	*SEAL, oil
3	SC 7970	1	PLUG, drain
4	GA 7996	1	*GASKET, drain plug
5	BG 793	2	*BUSHING
16	CV 7923	1	PLATE, operating lever flange

*Fast moving part

**Not illustrated

<u>Illustration Number</u>	<u>Part Number</u>	<u>Quantity Used</u>	<u>Description of Part</u>
19	SH 7946A	1	SHAFT, operating lever, includes part 20
20	SC 7930	1	*SCREW, spring hub fastening
21	LE 7929A	1	LEVER, operating—includes parts 22 and **a
22	SC 1109	1	*SCREW, clamping
**a	WA 5-8	1	WASHER, lock—clamping screw
66		As required	SPRING, inner—governor
67		As required	SPRING, outer—governor
			(For spring combinations see table at end of list)

GOVERNOR SPRING COMBINATIONS

<u>Governor Type</u>	<u>Inner Spring Illustration 66</u>	<u>Outer Spring Illustration 67</u>	<u>Spring Inner</u>	<u>Spacing</u>	<u>Adjustment Outer</u>
GVB-225/625BK-6	SP 7927/3	—	Flush		—

Omit illustrations 23 and 24

All other parts same as for GVB.../...BK-1

GVB.../...BK-19

These governors have operating levers and speed adjustments at left side when facing governor end of pump. Designed for approximately 5% regulation with 1:3 gear ratio.

<u>Illustration Number</u>	<u>Part Number</u>	<u>Quantity Used</u>	<u>Description of Part</u>
1	CV 7964-1A	1	COVER ASSEMBLY, end—includes parts 2, 3, 4, and 5
2	PK 795	2	*SEAL, oil
3	SC 7970	1	PLUG, drain
4	GA 7996	1	*GASKET, drain plug
5	BG 793	2	*BUSHING
61	BK 797-1	1	BRIDGE, stop-plate (without stop plate)
66		As required	SPRING, inner—governor
67		As required	SPRING, outer—governor
			(For spring combinations see table)
79	GE 796	1	GEAR, driven
**	GE 7932A	1	GEAR ASSEMBLY, drive (not shown assembled—includes parts 85-91)
85	NT 795	1	NUT, drive gear fastening
86	WA 795	1	*WASHER, lock—drive gear nut
87	DC 791	1	*DISC, spring—outer
88	DC 791	1	*DISC, spring—inner
89	SR 794/1	As required	*SPACER, drive gear—0.035" thick
89	SR 794/2	As required	*SPACER, drive gear—0.049" thick
89	SR 794/3	As required	*SPACER, drive gear—0.065" thick

*Fast moving part

**Not illustrated

AMERICAN BOSCH CORPORATION SPRINGFIELD MASS U S A

<u>Illustration Number</u>	<u>Part Number</u>	<u>Quantity Used</u>	<u>Description of Part</u>
90	GE 795	1	GEAR, drive
91	HB 7912	1	HUB, drive gear
92	HG 79121	1	HOUSING
110	SC 7961	1	SCREW, clamping
111	SC 326-3 BL	1	SCREW, Bowden wire fastening
112	LE 7979A	1	LEVER, shutoff—includes part 111
113	NT 7919	1	NUT, clamping screw
114	PN 2-20 CA	1	*PIN, cotter—clamping screw
115	PN 3-20 CA	1	*PIN, cotter—lever shaft retaining
116	WA 1303	1	WASHER, plain
117	PK 795	1	*SEAL, oil
118	SH 7952	1	SHAFT, stop lever
119	BG 7922	1	BUSHING, stop lever shaft
120	LE 7982	1	LEVER, inner stop
121	SP 7944	1	SPRING, stop lever
122	SR 7917	1	SPACER
123	BG 7923	1	BUSHING, stop lever shaft
124	WA 1241	1	WASHER, snap ring retaining
125	WMR 2090/5X	1	RING, snap—lever shaft retaining
126	PG 797	1	PLUG, closing
**	PMB 11/91Z	1	STOP control rack—for parts see manual page D290

GOVERNOR SPRING COMBINATIONS

<u>Governor Type</u>	<u>Inner Spring Illustration 66</u>	<u>Outer Spring Illustration 67</u>	<u>Spring Spacing Inner</u>	<u>Adjustment Outer</u>
GVB-225/1000BK-19	SP 7927/7	SP 7926/2	.098" gap	Flush

Omit illustrations 50, 51, 52, 53, 57, 58, and 59

All other parts same as for GVB ... / ... BK-1

GVB ... / ... BK-20

These governors have operating levers and speed adjustments at right side when facing governor end of pump. Designed for approximately regulation as shown in governor spring combinations table. Gear ratio 1:3.

<u>Illustration Number</u>	<u>Part Number</u>	<u>Quantity Used</u>	<u>Description of Part</u>
1	CV 79182-1A	1	COVER ASSEMBLY, end—includes parts 2, and 5
2	PK 795	2	*SEAL, oil
5	BG 793	2	BUSHING
61	BK 797-1	1	BRIDGE, stop plate (without stop plate)
66		As required	SPRING, inner—governor
67		As required	SPRING, outer—governor
79	GE 796	1	(For spring combinations see table) GEAR, driven

*Fast moving part

**Not illustrated

<u>Illustration Number</u>	<u>Part Number</u>	<u>Quantity Used</u>	<u>Description of Part</u>
**	GE 7932	1	GEAR ASSEMBLY drive (not shown assembled)—includes parts 85-91
85	NT 795	1	NUT, drive gear fastening
86	WA 795	1	*WASHER, lock—drive gear nut
87	DC 791	1	*DISC, spring—outer
88	DC 791	1	*DISC, spring—inner
89	SR 794/1	As required	*SPACER, drive gear—0.035" thick
89	SR 794/2	As required	*SPACER, drive gear—0.049" thick
89	SR 794/3	As required	*SPACER, drive gear—0.065" thick
90	GE 795	1	GEAR, drive
91	HB 7912	1	HUB, drive gear
92	HG 79121-1	1	HOUSING
99	FI 7628	1	PETCOCK, drain
105	SC 7953	2	SCREW, bracket fastening
106	WA 5-8 CA	3	WASHER, lock
107	SC 7954	1	SCREW, clamping
108	BK 7916	1	BRACKET, Bowden wire attachment
109	NT 4-8 CA	1	NUT, clamping screw
110	SC 7961	1	SCREW, clamping
111	SC 326-3 BL	1	SCREW, Bowden wire fastening
112	LE 7979A	1	LEVER, shutoff—includes part 111
113	NT 7919	1	NUT, clamping screw
114	PN 2-20 CA	1	*PIN, cotter—nut clamping screw
115	PN 3-20 CA	1	*PIN, cotter—lever shaft retaining
116	WA 1146 CA	1	WASHER, plain
117	PK 795	1	*SEAL, oil
118	SH 7952	1	SHAFT, stop lever
119	BG 7922	1	BUSHING, stop lever shaft
120	LE 7982	1	LEVER, inner stop
121	SP 7944	1	SPRING, stop lever
122	SR 7917	1	SPACER
123	BG 7923	1	BUSHING, stop lever shaft
124	WA 1241	1	WASHER, snap ring retaining
125	WMR 2090/5X	1	RING, snap—lever shaft retaining
126	PG 797	1	PLUG, closing
**	PMB 11/91Z	1	STOP, control rack—for parts see manual page D290

GOVERNOR SPRING COMBINATIONS

<u>Governor Type</u>	<u>Inner Spring Illustration 66</u>	<u>Outer Spring Illustration 67</u>	<u>Spring Spacing Adjustment Inner</u>	<u>Outer</u>	<u>Approximate Regulation</u>
GVB-225/550BK-20	SP 7927/4	—	Flush	—	5%
GVB-225/600BK-20	SP 7927/4	—	Flush	—	5%
GVB-225/650BK-20	SP 7927/2	—	Flush	—	5%
GVB-225/700BK-20	SP 7927/1	—	Flush	—	5%

*Fast moving part

**Not illustrated

AMERICAN BOSCH CORPORATION SPRINGFIELD MASS U S A

Governor Type	Inner Spring Illustration 66	Outer Spring Illustration 67	Spring Spacing Adjustment Inner	Spring Spacing Adjustment Outer	Approximate Regulation
GVB-225/750BK-20	SP 7927/1	—	Flush	—	5%
GVB-225/850BK-20	SP 7927/3	SP 7926	Flush	Flush	6%

Omit illustrations 50, 51, 52, 53, 57, 58, and 59

All other parts same as for GVB . . . / . . . BK-1

GVB . . . / . . . BK-21

These governors have operating levers and speed adjustments at right side when facing governor end of pump. Designed for approximately 5% regulation with 1:3 gear ratio.

Illustration Number	Part Number	Quantity Used	Description of Part
61	BK 797-1	1	BRIDGE, stop plate (without stop plate)
66		As required	SPRING, inner—governor
67		As required	SPRING, outer—governor (For spring combinations see table at end of list)
79	GE 796	1	GEAR, driven
**	GE 7932A	1	GEAR ASSEMBLY, drive (not shown assembled)—includes parts 85-91
85	NT 795	1	NUT, drive gear fastening
86	WA 795	1	*WASHER, lock—drive gear nut
87	DC 791	1	DISC, spring—outer
88	DC 791	1	*DISC, spring—inner
89	SR 794/1	As required	*SPACER, drive gear—0.035" thick
89	SR 794/2	As required	*SPACER, drive gear—0.049" thick
89	SR 794/3	As required	*SPACER, drive gear—0.065" thick
90	GE 795	1	GEAR, drive
91	HB 7912	1	HUB, drive gear
92	HG 79121-1	1	HOUSING
110	SC 7961	1	SCREW, clamping
111	SC 326-3 BL	1	SCREW, Bowden wire fastening
112	LE 7979A	1	LEVER, shutoff—includes part III
113	NT 7919	1	NUT, clamping screw
114	PN 2-20 CA	1	*PIN, cotter—nut clamping screw
115	PN 3-20 CA	1	*PIN, cotter—lever shaft retaining
116	WA 1146 CA	1	WASHER, plain
117	PK 795	1	*SEAL, oil
118	SH 7952	1	SHAFT, stop lever
119	BG 7922	1	BUSHING, stop lever shaft
120	LE 7982	1	LEVER, inner stop
121	SP 7944	1	SPRING, stop lever
122	SR 7917	1	SPACER
123	BG 7923	1	BUSHING, stop lever shaft
124	WA 1241	1	WASHER, snap ring retaining
125	WMR 2090/5X	1	RING, snap—lever shaft retaining
126	PG 797	1	PLUG, closing
**	PMB 11/91Z	1	STOP, control rack—for parts see manual page D290

*Fast moving part

**Not illustrated

GOVERNOR SPRING COMBINATIONS

Governor Type	Inner Spring Illustration 66	Outer Spring Illustration 67	Spring Spacing Adjustment	
			Inner	Outer
GVB-225/700BK-21	SP 7927/1	—	Flush	—
GVB-225/800BK-21	SP 7927/3	—	Flush	—
GVB-225/900BK-21	SP 7927/1	SP 7926	Flush	Flush
GVB-225/1000BK-21	SP 7927/7	SP 7926/2	.098" gap	Flush

Omit illustrations 50, 51, 52, 53, 57, 58, and 59

All other parts same as for GVB . . . / . . . BK-1

GVB BK-27

These governors have operating levers and speed adjustments at left side when facing governor end of pump. Designed for approximately 5% regulation with 1:4 gear ratio.

Illustration Number	Part Number	Quantity Used	Description of Part
1	CV 7964-1A	1	COVER ASSEMBLY, end—includes parts 2, 3, 4, and 5
2	PK 795	2	*SEAL, oil
3	SC 7970	1	PLUG, drain
4	GA 7996	1	*GASKET, drain plug
5	BG 793	2	*BUSHING
66		As required	SPRING, inner—governor
67		As required	SPRING, outer—governor (For spring combinations see table)

GOVERNOR SPRING COMBINATIONS

Governor Type	Inner Spring Illustration 66	Outer Spring Illustration 67	Spring Spacing Adjustment	
			Inner	Outer
GVB-225/500BK-27	SP 7927/2	—	Flush	—
GVB-225/550BK-27	SP 7927/1	—	Flush	—
GVB-225/600BK-27	SP 7927/3	—	Flush	—

All other parts same as for GVB . . . / . . . BK-1

GVB . . . / . . . BK-28

These governors have operating levers and speed adjustments at left side when facing governor end of pump. Designed for approximately 5% regulation with 1:4 gear ratio.

*Fast moving part

**Not illustrated

AMERICAN BOSCH CORPORATION SPRINGFIELD MASSACHUSETTS U.S.A.

<u>Illustration Number</u>	<u>Part Number</u>	<u>Quantity Used</u>	<u>Description of Part</u>
1	CV 79143-1A	1	COVER ASSEMBLY, end—includes parts 2, 3, 4, 5, and 99
2	PK 795	2	*SEAL, oil
3	SC 7970	1	PLUG, drain
4	GA 7996	1	*GASKET, drain plug
5	BG 793	2	BUSHING
**	GE 7951A	1	GEAR ASSEMBLY, drive (not shown assembled)—includes parts 85-91
85	NT 795	1	NUT, drive gear fastening
86	WA 7918	1	*WASHER, lock—drive gear nut
87	DC 795	1	*DISC, spring—outer
88	DC 792	1	*DISC, spring—inner
89	SR 794/1	As required	*SPACER, drive gear—0.035" thick
89	SR 794/2	As required	*SPACER, drive gear—0.049" thick
89	SR 794/3	As required	*SPACER, drive gear—0.065" thick
90	GE 7950	1	GEAR, drive
91	HB 7916	1	HUB, drive gear
92	HG 79135-1A	1	HOUSING, includes part 100
99	FI 765	1	PETCOCK, overflow
100	PK 765	1	*SEAL, oil—housing
101	SC 150-2	2	SCREW, oil drain plate fastening
102	IF 767	1	PLATE, oil drain
103	SC 150-2	2	SCREW, oil level plate fastening
104	IF 766	1	PLATE, oil level

NOTE: For governor spring combinations, refer to table at end of GVB . . . / . . . BK-1 governor parts list.

All other parts same as for GVB . . . / . . . BK-1

GVB . . . / . . . BK-29

These governors have operating levers and speed adjustments at left side when facing governor end of pump. Designed for approximately 7-10% regulation with 1:4 gear ratio.

<u>Illustration Number</u>	<u>Part Number</u>	<u>Quantity Used</u>	<u>Description of Part</u>
1	CV 79143-1A	1	COVER ASSEMBLY, end—includes parts 2, 3, 4, 5, and 99
2	PK 795	2	*SEAL, oil
3	SC 7970	1	PLUG, drain
4	GA 7996	1	*GASKET, drain plug
5	BG 793	2	*BUSHING
66		As required	SPRING, inner—governor
67		As required	SPRING, outer—governor (For spring combinations see table)
**	GE 7951A	1	GEAR ASSEMBLY, drive (not shown assembled)—includes parts 85-91
85	NT 795	1	NUT, drive gear fastening
86	WA 7918	1	*WASHER, lock—drive gear nut

*Fast moving part

**Not illustrated

<u>Illustration Number</u>	<u>Part Number</u>	<u>Quantity Used</u>	<u>Description of Part</u>
87	DC 795	1	*DISC, spring—outer
88	DC 792	1	*DISC, spring—inner
89	SR 794/1	As required	*SPACER, drive gear—0.035" thick
89	SR 794/2	As required	*SPACER, drive gear—0.049" thick
89	SR 794/3	As required	*SPACER, drive gear—0.065" thick
90	GE 7950	1	GEAR, drive
91	HB 7916	1	HUB, drive gear
92	HG 79135-1A	1	HOUSING, includes part 100
99	FI 765	1	PETCOCK, overflow
100	PK 765	1	*SEAL, oil—housing
101	SC 150-2	2	SCREW, oil drain plate fastening
102	IF 767	1	PLATE, oil drain
103	SC 150-2	2	SCREW, oil level plate fastening
104	IF 766	1	PLATE, oil level

GOVERNOR SPRING COMBINATIONS

<u>Governor Type</u>	<u>Inner Spring Illustration 66</u>	<u>Outer Spring Illustration 67</u>	<u>Spring Spacing Adjustment</u>	
			<u>Inner</u>	<u>Outer</u>
GVB-225/500BK-29	SP 7927/11	SP 7926/2	.197" gap	Flush
GVB-225/530BK-29	SP 7927/9	SP 7926	.315" gap	Flush
GVB-225/600BK-29	SP 7927/9	SP 7926/1	.276" gap	Flush
GVB-225/700BK-29	SP 7927/6	SP 7926/1	.217" gap	Flush

All other parts same as for GVB . . . / . . . BK-1

GVB . . . / . . . BK-30

These governors have operating levers and speed adjustment at right side when facing governor end of pump. Designed for approximately 5% regulation with 1.3 gear ratio.

<u>Illustration Number</u>	<u>Part Number</u>	<u>Quantity Used</u>	<u>Description of Part</u>
1	CV 79146-1A	1	COVER ASSEMBLY, end—includes parts 2, 3, 4, 5, and 99
2	PK 795	2	*SEAL, oil
3	SC 7970	1	PLUG, drain
4	GA 7996	1	*GASKET, drain plug
5	BG 793	2	*BUSHING
61	BK 797-1	1	BRIDGE, stop plate (without stop plate)
66		As required	SPRING, inner—governor
67		As required	SPRING, outer—governor (For spring combinations see table at end of list)
79	GE 796	1	GEAR, driven
**	GE 7932A	1	GEAR ASSEMBLY, drive (not shown assembled)—includes parts 85-91

*Fast moving part

**Not illustrated

AMERICAN BOYCELL COPPERATION SPRINGFIELD MASS U.S.A.

<u>Illustration Number</u>	<u>Part Number</u>	<u>Quantity Used</u>	<u>Description of Part</u>
85	NT 795	1	NUT, drive gear fastening
86	WA 795	1	*WASHER, lock—drive gear nut
87	DC 791	1	*DISC, spring—outer
88	DC 791	1	*DISC, spring—inner
89	SR 794/1	As required	*SPACER, drive gear—0.035" thick
89	SR 794/2	As required	*SPACER, drive gear—0.049" thick
89	SR 794/3	As required	*SPACER, drive gear—0.065" thick
90	GE 795	1	GEAR, drive
91	HB 7912	1	HUB, drive gear
92	HG 79140-1	1	HOUSING
99	FI 765	1	PETCOCK, overflow
100	PK 765	1	*SEAL, oil—housing
101	SC 150-2	2	SCREW, oil drain plate
102	IF 767	1	PLATE, oil drain
103	SC 150-2	2	SCREW, oil level plate
104	IF 766	1	PLATE, oil level
110	SC 7961	1	SCREW, clamping
112	LE 7952	1	LEVER, operating
113	NT 7919	1	NUT, clamping screw
114	PN 2-20 BL	1	*PIN, cotter—clamping screw
115	PN 3-20 CA	1	*PIN, cotter—lever shaft retaining
116	WA 1146 CA	1	WASHER, plain
117	PK 795	1	*SEAL, oil
118	SH 7952	1	SHAFT, stop lever
119	BG 7922	1	BUSHING, stop lever shaft
120	LE 7982	1	LEVER, inner stop
121	SP 7944	1	SPRING, stop lever
122	SR 7917	1	SPACER
123	BG 7923	1	BUSHING, stop lever shaft
124	WA 1241	1	WASHER, snap ring retaining
125	WMR 2090/5X	1	RING, snap—lever shaft retaining
126	PG 797	1	PLUG, closing
**	WMB 2108/91Z	1	STOP, control rack—includes parts **a to **d
**a	WMB 2108/3X	1	BUSHING, control rack stop
**b	WSR 2209/1X	1	SCREW, adjusting
**c	NSP 7/5X	1	*PIN, cotter
**d	WMS 2153/1X	1	DISC, sealing

GOVERNOR SPRING COMBINATIONS

<u>Governor Type</u>	<u>Inner Spring Illustration 66</u>	<u>Outer Spring Illustration 67</u>	<u>Spring Spacing Adjustment</u>	
			<u>Inner</u>	<u>Outer</u>
GVB-225/900BK-30	SP 7927/1	SP 7926	Flush	Flush
GVB-225/925BK-30	SP 7927/1	SP 7926	.098" gap	Flush
GVB-225/950BK-30	SP 7927/3	SP 7926	.098" gap	Flush
GVB-225/1000BK-30	SP 7927/7	SP 7926/2	.098" gap	Flush

*Fast moving part

**Not illustrated

AMERICAN BOSCH CORPORATION SPRINGFIELD, MASS. U.S.A.

Governor Type	Inner Spring Illustration 66	Outer Spring Illustration 67	Spring Spacing Adjustment	
			Inner	Outer
GVB-225/1100BK-30	SP 7927/6	SP 7926/2	.098" gap	Flush

Omit illustrations 50, 51, 52, 53, 57, 58, and 59

All other parts same as for GVB . . . / . . . BK-1

GVB . . . / . . . BK-50

These governors have operating levers at right side and speed adjustments at left side when facing governor end. Designed for approximately 8.5% regulation with 1:4 gear ratio.

Illustration Number	Part Number	Quantity Used	Description of Part
1	CV 7964-1A	1	COVER ASSEMBLY, end—includes parts 2, 3, 4, and 5
2	PK 795	2	*SEAL, oil
3	SC 7970	1	PLUG, drain
4	GA 7996	1	*GASKET, drain plug
5	BG 793	2	*BUSHING
16	CV 7923	1	PLATE, operating lever flange
19	SH 7946A		SHAFT, operating lever includes part 20
20	SC 7930	1	*SCREW, spring hub fastening
21	LE 7930A	1	LEVER, operating—includes parts 22 and **a
22	SC 1109	1	*SCREW, clamping
**a	WA 5-8	1	WASHER, lock—clamping screw
66		As Required	SPRING, inner—governor
67		As required	SPRING, outer—governor (For spring combinations see table at end of list)

GOVERNOR SPRING COMBINATIONS

Governor Type	Inner Spring Illustration 66	Outer Spring Illustration 67	Spring Spacing Adjustment	
			Inner	Outer
GVB-225/600BK-50	SP 7927/8	SP 7926/1	.295" gap	Flush

Omit illustrations 23 and 24

All other parts same as for GVB . . . / . . . BK-1

*Fast moving part

**Not illustrated

