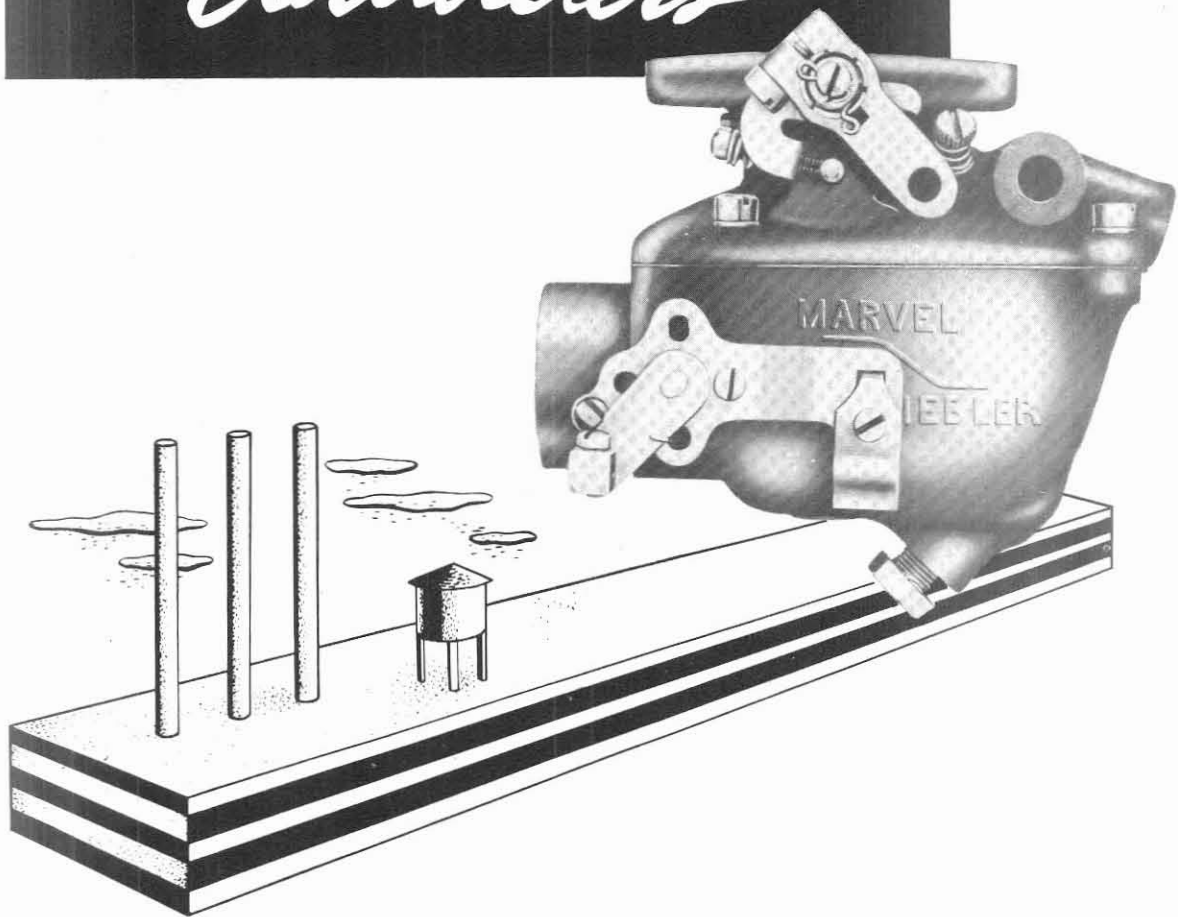


SECTION II
WAUKESHA ENGINES
TSX SERIES

INDUSTRIAL

Carburetors



MARVEL-SCHEBLER PRODUCTS DIVISION,
BORG-WARNER CORPORATION
DECATUR, ILLINOIS, U. S. A.

Warranty

Marvel-Schebler Products Division, Borg-Warner Corporation, warrant its carbureters against defects in material and workmanship for a period of ninety days. Defective merchandise will be replaced without charge but labor charges incurred in the removal, disassembly or reinstallation of such products will not be allowed. No merchandise can be returned without written permission from the factory, transportation charges must be prepaid. The factory shall be the sole judge of defects in products returned.

A ten per cent handling charge will be made for all merchandise returned that is not defective. All prices are subject to change without notice, and we reserve the right to limit quantities and to make partial shipments unless specifically instructed otherwise. The obligation of the company under this warranty is limited to replacing at the factory, any complete units or parts thereof which shall be returned and which our examination shall disclose to have been defective.

Introduction...

This section of the master manual is an individual parts catalog of all service parts for Marvel-Schebler carbureters listed on the identification charts. The catalog is broken down into groups of fifteen carbureters; each group containing an identification chart, an exploded drawing of a composite carbureter, and a parts list. Each part in the illustration bears a reference number which keys together the illustration and parts list.

NOTE: The illustration does not represent any specific carbureter within a series, but is typical of all of them. All parts that look different are shown adjacent to the part of the basic carbureter that they replace.

TO USE THE CATALOG

- (1) Locate the group which contains the carbureter in question by referring to the identification charts.
- (2) Visually locate the part desired in the exploded drawing and note its reference number.
- (3) Turn to the parts list opposite the reference number of the part for its complete part name and part number.

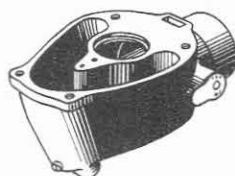
WAUKESHA — INDUSTRIAL

ISSUED JULY 1952

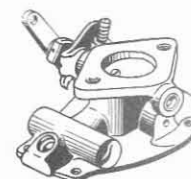
Model Application	Engine	Carburetor Number	Carburetor Part No.	Fuel	Superseded by	Customer Part No.	Repair Kit No.	Gasket Kit No.	Float Valve & Seat Assy
General Industrial	160	TSX-58	10-2145	Natural Gas	.....	51050	286-706	16-613	233-536
General Industrial	160	TSX-59	10-2154	Gasoline	.....	51016	286-706	16-613	233-536
FC	FC	TSX-183	10-2723	.....	.....	51065	286-697	16-613	233-536
FC Motor & FCU Power Unit	FC	TSX-184	10-2724	.....	.....	51066	286-750	16-590	233-536
XAHU Power Unit	XAH	TSX-189	10-2737	Gasoline	TSX-314	51067	286-690	16-592	233-536
XAHU Power Unit	XAH	TSX-191	10-2739	Gasoline	TSX-315	51068	286-702	16-613	233-536
General Industrial	180GL 180GS	TSX-278	10-3045	.....	.....	51051A	286-802	16-592	233-536
XAHU Power Unit	XAH	TSX-280	10-3049	Distillate	.....	51067A	286-816	16-596	233-536
.....	XAH	TSX-314	10-3132	.....	.....	51067B	286-690	16-592	233-536
.....	XAH	TSX-315	10-3135	.....	.....	51068A	286-863	16-592	233-536
.....	XAH	TSX-322	10-3169	Kerosene	.....	51067C	286-690	16-592	233-536
Industrial	185GL 190GL 190GS	TSX-332	10-3185	.....	.....	51072	286-862	16-654	233-543
.....	190GL	TSX-413	10-3371	.....	.....	51072A	286-976	16-654	233-543
Industrial	195GL	TSX-499	10-3554	Gasoline	.....	52076	286-988	16-594	233-543

◆ The repair kit includes the throttle shaft, float valve and seat assembly, and the gasket kit.

§ The flange gasket can be supplied separately. Specify the carburetor number when ordering.

BASIC SUBASSEMBLIES**CARBURETER BODY ASSY**

Carburetor Number	Part Number
TSX-58	10-2148
TSX-59	10-2156
TSX-183	10-2727
TSX-184	10-2725
TSX-189	10-2755
TSX-191	10-2740
TSX-278	10-3046
TSX-280	10-3050
TSX-314	10-3149
TSX-315	10-3176
TSX-322	10-3170
TSX-332	10-3590
TSX-413	10-3188
TSX-499	10-3534

**THROTTLE BODY & SHAFT ASSY**

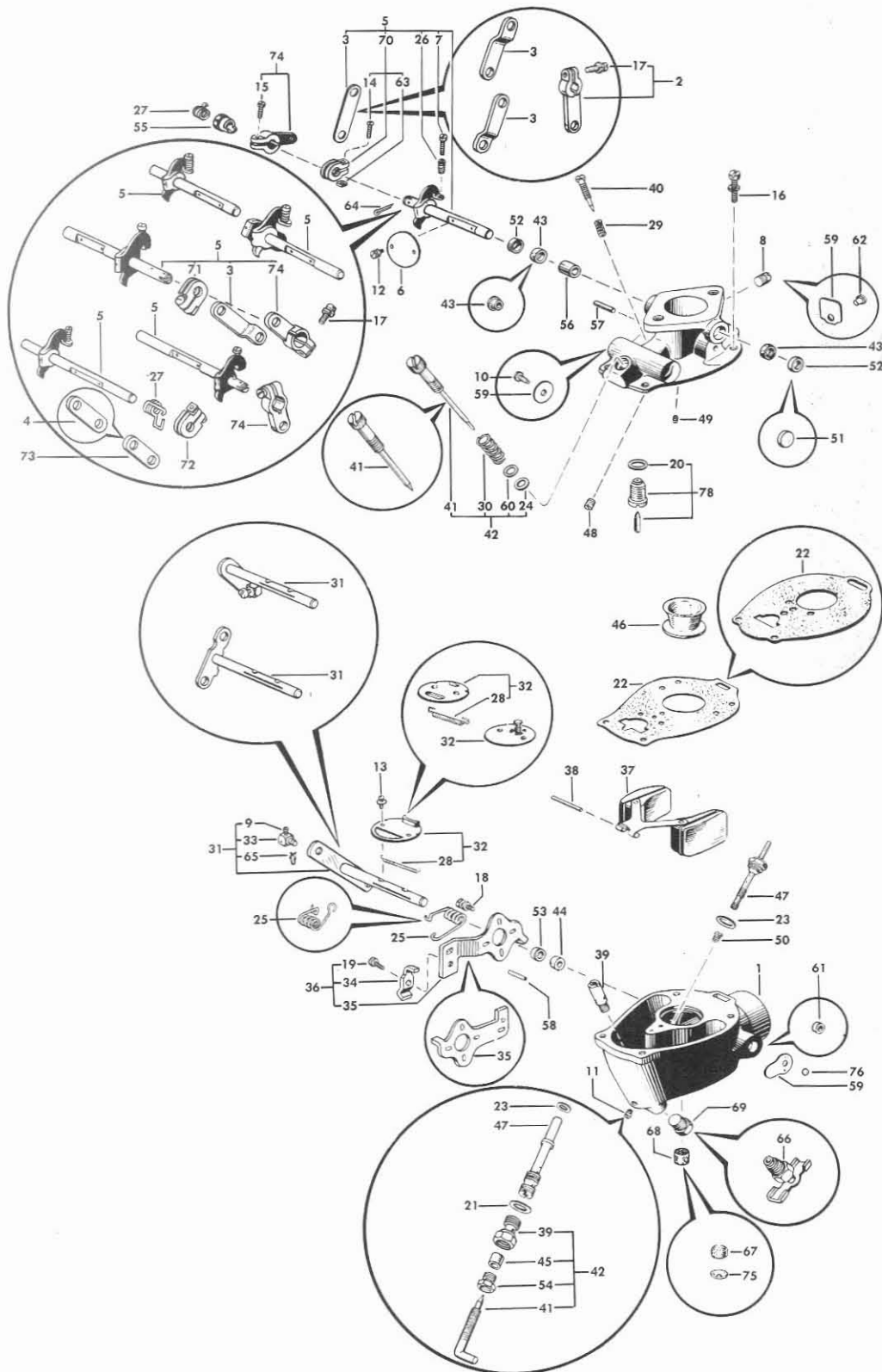
Carburetor Number	Part Number
TSX-58	227-713
TSX-59	227-713
TSX-183	227-952
TSX-184	227-950
TSX-189	227-972
TSX-191	227-960
TSX-278	227-1086
TSX-280	227-1093
TSX-314	227-1119
TSX-315	227-1132
TSX-322	227-1119
TSX-332	227-1135
TSX-413	227-1217
TSX-499	227-1281

WAUKESHA

Ref. No.	Part Name	Part No.	TSX-58	TSX-59	TSX-183	TSX-184	TSX-189	TSX-191	TSX-278	TSX-280	TSX-314	TSX-315	TSX-322	TSX-332	TSX-413	TSX-499
1	Body Assy — Carburetor	(See Basic Subassy)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Lever Assy — Throttle	12-841	—	—	—	—	1	—	—	1	1	—	1	—	—	—
		12-892	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	Lever — Throttle, Loose	12-A29	1	1	—	—	—	—	—	—	—	—	—	—	—	—
		12-A93	—	—	—	1	—	1	—	—	—	1	—	—	—	—
		12-A152	—	—	—	—	—	—	1	—	—	—	—	—	—	—
		12-A153	—	—	—	—	—	—	—	—	—	—	—	1	—	—
		12-A213	—	—	—	—	—	—	—	—	—	—	—	—	—	1

WAUKESHA — INDUSTRIAL

TSX-58 to TSX-499



Marvel-Schebler Products Division, Borg-Warner Corporation, Decatur, Illinois, U. S. A.

WAUKESHA			TSX-58	TSX-59	TSX-183	TSX-184	TSX-189	TSX-191	TSX-278	TSX-280	TSX-314	TSX-315	TSX-322	TSX-332	TSX-413	TSX-499
Ref. No.	Part Name	Part No.														
4	Lever — Governor	12-A215	-	-	-	-	-	-	-	-	-	-	-	-	-	1
5	Shaft, Stop, & Lever Assy — Throttle	13-803	1	1	-	-	-	-	-	-	-	-	-	-	-	-
		13-894	-	-	1	-	-	-	-	-	-	-	-	-	-	-
		13-895	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		13-897	-	-	-	-	-	1	-	-	-	-	-	-	-	-
		13-899	-	-	-	-	1	-	-	1	1	-	1	-	-	-
		13-961	-	-	-	-	-	-	-	-	-	1	-	-	-	-
		13-962	-	-	-	-	-	-	1	-	-	-	-	-	-	-
		13-1033	-	-	-	-	-	-	-	-	-	-	-	1	-	-
		13-1034	-	-	-	-	-	-	-	-	-	-	-	-	1	-
		13-1078	-	-	-	-	-	-	-	-	-	-	-	-	-	1
6	Valve — Throttle (22°)	14-139	-	-	-	-	-	-	-	-	-	-	-	1	1	-
	(22°)	14-163	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	(20°)	14-169	1	1	1	1	1	1	1	1	1	1	1	-	-	-
7	Screw — Throttle Stop (No. 8-32 x 3/4)	15-42	1	1	1	1	1	1	1	1	1	1	1	1	1	-
		15-85	-	-	-	-	-	-	-	-	-	-	-	-	-	1
8	Screw — Idle Drilling (Headless, No. 1/4-28) ..	15-223	1	1	1	1	1	1	1	1	1	1	1	-	-	-
		15-274	-	-	-	-	-	-	-	-	-	-	-	-	-	1
9	Screw — Choke Swivel (No. 8-32 x 5/16)	15-285	-	-	1	-	-	-	-	-	-	-	-	-	1	1
10	Screw — Drive, Numbering Plate (No. 2 x 1/4) ..	15-343	-	-	-	-	-	-	-	-	-	-	-	-	-	1
11	Screw — Drill Plug, Nozzle Hole (No. 8-32) ..	15-409	-	-	1	1	-	-	1	-	1	1	-	-	-	-
12	Screw & Lock Washer Assy — Throttle Valve															
	(No. 6-32 x 1/4)	15-483	-	-	-	-	-	-	-	-	-	-	-	2	2	2
	(No. 4-40 x 1/4)	15-A91	2	2	2	2	2	2	2	2	2	2	2	-	-	-
13	Screw & Lock Washer Assy — Choke Valve															
	(No. 6-32 x 1/4)	15-483	-	-	-	-	-	-	-	-	-	-	-	2	2	2
	(No. 4-40 x 1/4)	15-A91	2	2	2	2	2	2	2	2	2	2	2	-	-	-
14	Screw — Clevis Clamp (No. 10-24 x 5/8)	15-A55	1	1	-	1	-	1	2	-	-	2	-	2	-	2
15	Screw & Lock Washer Assy — Governor															
	Lever Clamp (No. 12-24 x 5/8)	15-A82	1	1	-	1	-	1	-	-	-	-	-	-	-	-
16	Screw & Lock Washer Assy — Throttle Body															
	to Bowl (No. 12-24 x 5/8)	15-A82	4	4	4	4	4	4	4	4	4	4	4	-	-	-
	(No. 12-24 x 3/4)	15-A85	-	-	-	-	-	-	-	-	-	-	-	4	4	4
17	Screw & Lock Washer Assy — Throttle															
	Lever (No. 12-24 x 5/8)	15-A82	-	-	-	-	1	-	-	1	1	-	1	-	1	-
18	Screw & Lock Washer Assy — Choke Bracket															
	to Body (No. 8-32 x 3/8)	15-A93	-	-	1	-	-	-	-	-	-	-	-	-	1	2
19	Screw & Lock Washer Assy — Choke Bracket															
	(No. 8-32 x 5/16)	15-A99	-	-	1	-	-	-	-	-	-	-	-	-	1	1
20	Gasket — Float Valve Seat	16-4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	Gasket — Power Adjusting Needle Seat and															
	Bowl Plug	16-47	-	-	-	-	-	-	-	-	-	-	-	1	1	-
22	Gasket — Throttle Body to Bowl	16-80	1	1	1	1	1	1	1	1	1	1	1	-	-	-
		16-A12	-	-	-	-	-	-	-	-	-	-	-	-	-	1
		16-A41	-	-	-	-	-	-	-	-	-	-	-	1	1	-
23	Gasket — Main Nozzle	16-449	1	1	1	1	1	1	1	1	1	1	1	-	-	-
		16-456	-	-	-	-	-	-	-	-	-	-	-	1	1	-
		16-492	-	-	-	-	-	-	-	-	-	-	-	-	-	1
24	Gasket — Power Adjusting Needle	16-491	-	-	-	1	1	1	1	1	1	1	1	-	-	1
25	Spring — Choke Return	24-213	-	-	-	-	-	-	-	-	-	-	-	-	1	1
		24-218	1	1	-	1	1	1	1	1	1	1	1	-	-	-
		24-247	-	-	1	-	-	-	-	-	-	-	-	-	-	-
		24-A107	-	-	-	-	-	-	-	-	-	-	-	1	-	-
26	Spring — Throttle Stop Screw	24-262	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	Spring — Governor Lever Tension	24-281	-	-	-	1	-	-	-	-	-	-	-	-	-	-
		24-A20	1	1	-	-	-	1	-	-	-	-	-	-	-	-
		24-A129	-	-	-	-	-	-	1	-	-	1	-	1	-	1

WAUKESHA — INDUSTRIAL

TSX-58 to TSX-499

WAUKESHA			TSX-58	TSX-59	TSX-183	TSX-184	TSX-189	TSX-191	TSX-278	TSX-280	TSX-314	TSX-315	TSX-322	TSX-332	TSX-413	TSX-499
Ref. No.	Part Name	Part No.														
28	Spring — Choke Valve Flapper	24-292	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		24-425	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	Spring — Idle Needle	24-340	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	Spring — Power Adjusting Needle	24-A1	—	—	—	1	1	1	1	1	1	1	1	—	—	1
31	Shaft & Lever Assy — Choke	26-635	1	1	—	1	1	1	1	1	1	1	1	—	—	—
		26-637	—	—	1	—	—	—	—	—	—	—	—	—	—	—
		26-728	—	—	—	—	—	—	—	—	—	—	—	—	1	1
		26-761	—	—	—	—	—	—	—	—	—	—	—	1	—	—
32	Valve Assy — Choke	27-539	1	1	1	1	1	1	1	1	1	1	1	—	—	—
		27-540	—	—	—	—	—	—	—	—	—	—	—	1	1	—
		27-548	—	—	—	—	—	—	—	—	—	—	—	—	—	1
33	Swivel — Choke Lever	28-49	—	—	1	—	—	—	—	—	—	—	—	—	1	1
34	Clip — Choke Bracket	29-81	—	—	1	—	—	—	—	—	—	—	—	—	1	1
35	Bracket — Choke	29-92	—	—	1	—	—	—	—	—	—	—	—	—	—	—
		29-95	—	—	—	—	—	—	—	—	—	—	—	—	—	1
		29-124	—	—	—	—	—	—	—	—	—	—	—	—	1	—
36	Bracket Assy — Choke	29-514	—	—	1	—	—	—	—	—	—	—	—	—	—	1
		29-521	—	—	—	—	—	—	—	—	—	—	—	—	—	1
		29-537	—	—	—	—	—	—	—	—	—	—	—	—	1	—
37	Float & Lever Assy	30-600	1	1	1	1	1	1	1	1	1	1	1	—	—	—
		30-621	—	—	—	—	—	—	—	—	—	—	—	—	1	1
		30-631	—	—	—	—	—	—	—	—	—	—	—	1	1	—
38	Shaft — Float Lever	32-16	—	—	—	—	—	—	—	—	—	—	—	1	1	1
		32-27	1	1	1	1	1	1	1	1	1	1	1	—	—	—
39	Seat — Power Adjusting Needle	36-278	—	—	—	—	—	—	—	—	—	—	—	—	—	1
		36-291	—	—	—	—	—	—	—	—	—	—	—	1	1	—
40	Needle — Idle Adjusting	43-33	1	1	1	1	1	1	1	1	1	1	1	1	1	—
		43-58	—	—	—	—	—	—	—	—	—	—	—	—	—	1
41	Needle — Power Adjusting	43-134	—	—	—	—	—	—	—	—	—	—	—	1	1	—
	Needle Assy — Power Adjusting	43-627	—	—	—	1	1	1	1	1	1	1	1	—	—	—
		43-631	—	—	—	—	—	—	—	—	—	—	—	—	—	1
42	Needle Assy — Power Adjusting (complete)	43-619	—	—	—	1	1	1	1	1	1	1	1	—	—	—
		43-620	—	—	—	—	—	—	—	—	—	—	—	—	—	1
		43-621	—	—	—	—	—	—	—	—	—	—	—	1	1	—
43	Packing — Throttle Shaft	44-27	—	—	—	—	—	—	—	—	—	—	—	2	1	—
		44-35	—	—	—	—	—	—	—	—	—	—	—	—	—	2
		† 44-38	1	1	—	2	2	—	2	2	2	2	—	—	—	—
		44-63	—	—	1	2	—	—	2	—	—	—	—	—	—	—
44	Packing — Choke Shaft	† 44-38	—	—	—	—	—	—	—	—	—	—	—	1	1	1
		‡ 44-39	1	1	1	1	1	1	1	1	1	1	—	—	—	—
45	Packing — Power Adjusting Needle	44-51	—	—	—	—	—	—	—	—	—	—	—	1	1	—
46	Venturi (25/32" Diameter Throat)	46-457	1	—	—	—	—	—	1	—	—	—	—	—	—	—
	(21/32" Diameter Throat)	46-473	—	1	1	1	—	—	—	—	—	—	—	—	—	—
	(1-1/16" Diameter Throat)	46-490	—	—	—	—	—	—	—	—	—	—	—	—	—	1
	(7/8" Diameter Throat)	46-A11	—	—	—	—	—	—	—	—	—	—	—	1	1	—
	(13/16" Diameter Throat)	46-A38	—	—	—	—	1	1	—	1	1	1	—	—	—	—
47	Nozzle — Main	47-180	—	—	—	—	1	1	—	1	—	—	—	—	—	—
		47-221	—	—	—	—	—	—	—	—	—	—	—	—	—	1
		47-320	—	—	—	—	—	—	—	—	—	—	—	1	1	—
		47-347	—	—	—	—	—	—	1	—	—	—	—	—	—	—
	Nozzle Assy — Main	47-589	1	1	1	1	—	—	—	—	—	—	—	—	—	—
		47-688	—	—	—	—	—	—	—	—	1	1	1	—	—	—
48	Jet — Idle	49-101-L	1	1	1	1	1	1	1	1	1	1	1	1	1	—
		49-165	—	—	—	—	—	—	—	—	—	—	—	—	—	1

† Replaced by 44-63. Retainer not required with new packing.

‡ Replaced by 44-66. Retainer not required with new packing.

WAUKESHA			TSX-58	TSX-59	TSX-183	TSX-184	TSX-189	TSX-191	TSX-278	TSX-280	TSX-314	TSX-315	TSX-322	TSX-332	TSX-413	TSX-499
Ref. No.	Part Name	Part No.														
49	Jet — Economizer	49-145	—	—	1	1	—	—	—	—	—	—	—	—	—	—
		49-161	1	1	—	—	—	—	—	—	—	—	—	—	—	—
		49-207	—	—	—	—	1	1	—	1	—	—	—	—	—	—
		49-262	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		49-264	—	—	—	—	—	—	—	—	—	—	—	1	1	—
50	Jet — Power	49-178	—	—	1	1	—	—	—	—	—	—	—	—	—	—
		49-192	1	1	—	—	—	—	—	—	—	—	—	—	—	—
		49-261	—	—	—	—	—	—	—	—	1	1	—	—	—	—
		49-269	—	—	—	—	—	—	1	—	—	—	—	—	—	—
		49-301	—	—	—	—	1	1	—	—	—	—	—	—	—	—
51	Cup — Throttle Shaft	55-230	1	1	1	—	—	—	—	—	—	—	—	—	—	—
52	Retainer — Throttle Shaft Packing	55-216	—	—	—	—	—	—	—	—	—	—	—	—	—	1
		55-231	1	1	—	—	2	2	—	2	2	2	—	—	—	—
		55-261	—	—	—	—	—	—	—	—	—	—	—	2	1	—
		55-231	—	—	—	—	—	—	—	—	—	—	—	1	—	—
53	Retainer — Choke Shaft Packing	55-243	1	1	1	1	1	1	1	1	1	1	1	—	—	—
54	Retainer — Power Adjusting Needle Packing	55-285	—	—	—	—	—	—	—	—	—	—	—	1	1	—
55	Bushing — Governor Lever	60-257	1	1	—	1	—	1	—	—	—	—	—	—	—	—
56	Bushing — Throttle Shaft	60-260	—	—	—	—	—	—	—	—	—	—	—	—	—	2
57	Pin — Throttle Stop	62-167	1	1	1	—	—	1	1	1	1	1	1	—	—	1
58	Pin — Choke Stop	62-167	1	1	—	1	1	1	1	1	1	1	1	1	—	—
59	Plate — Numbering	(Specify TSX Number)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
60	Washer — Flat, Power Adjusting Needle	78-299	—	—	—	1	1	1	1	1	1	1	1	—	—	1
61	Cup — Choke Shaft	80-169	—	—	—	—	—	—	—	—	—	—	—	1	—	—
62	Plug — Idle Drilling	80-171	—	—	1	1	—	—	1	—	1	1	—	1	1	—
63	Nut — Clevis Clamp (No. 10-24)	81-1	1	1	—	1	—	1	2	—	—	2	—	2	—	2
64	Pin — Cotter (Throttle Shaft)	82-14	1	1	—	1	—	1	—	—	—	—	—	—	—	—
		82-16	—	—	—	—	—	—	—	—	—	—	—	—	—	1
65	Cotter — Hairpin (Choke Swivel)	82-16	—	—	1	—	—	—	—	—	—	—	—	—	1	—
66	Cock — Drain	87-3A	—	—	—	—	—	—	—	—	—	—	1	—	—	—
67	Strainer — Fuel Drain	*95-40	1	1	1	1	1	1	1	1	1	1	—	1	—	—
68	Strainer — Fuel Drain	*95-78	1	1	1	1	1	1	1	1	1	1	—	1	—	—
69	Plug — Bowl Drain	99-7	—	—	1	—	—	—	—	—	—	—	—	1	1	1
70	Clevis Assy — Throttle Lever	121-501	—	—	—	—	—	—	—	—	—	—	—	1	—	—
		121-511	—	—	—	—	—	—	—	—	—	—	—	—	—	1
71	Clevis Assy — Loose Lever	121-504	1	1	—	1	—	1	1	—	—	1	—	—	—	—
72	Clevis Assy — Governor Lever	121-512	—	—	—	—	—	—	1	—	—	1	—	—	—	—
		121-514	—	—	—	—	—	—	—	—	—	—	—	1	—	—
		121-515	—	—	—	—	—	—	—	—	—	—	—	—	—	1
73	Lever — Governor	155-296	—	—	—	—	—	—	—	—	—	1	—	—	—	—
		155-298	—	—	—	—	—	—	1	—	—	—	—	—	—	—
		155-306	—	—	—	—	—	—	—	—	—	—	—	1	—	—
74	Lever Assy — Governor	155-557	1	1	—	—	—	—	—	—	—	—	—	—	—	—
		155-585	—	—	1	—	—	—	—	—	—	—	—	—	—	—
		155-586	—	—	—	—	1	—	—	—	—	—	—	—	—	—
75	Plug — Expansion, Bowl Drain	*179-35	1	1	1	1	1	1	1	1	1	1	—	1	—	—
76	Ball — Numbering Plate	206-36	1	1	1	1	1	1	1	1	1	1	—	—	—	—
77	Throttle Body & Shaft Assy	(See Basic Subassy)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
78	Valve & Seat Assy — Float	233-536	1	1	1	1	1	1	1	1	1	1	—	—	—	—
		233-543	—	—	—	—	—	—	—	—	—	—	—	1	1	1

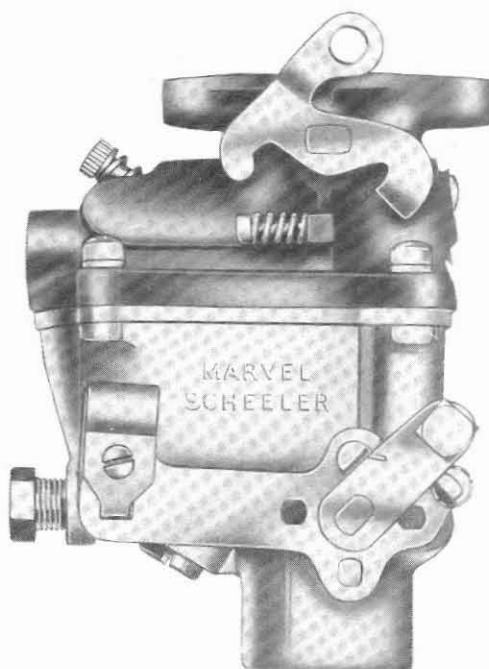
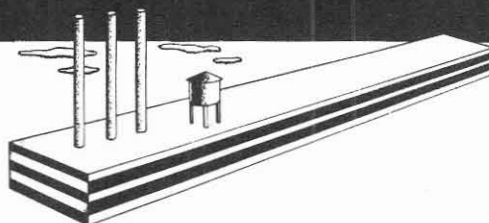
*Production previous to July, 1947 used part number 95-40 with part number 179-35. These parts are not replaced with part number 95-78 but are still supplied for service.

SECTION II
WAUKESHA ENGINES

TSV SERIES

INDUSTRIAL

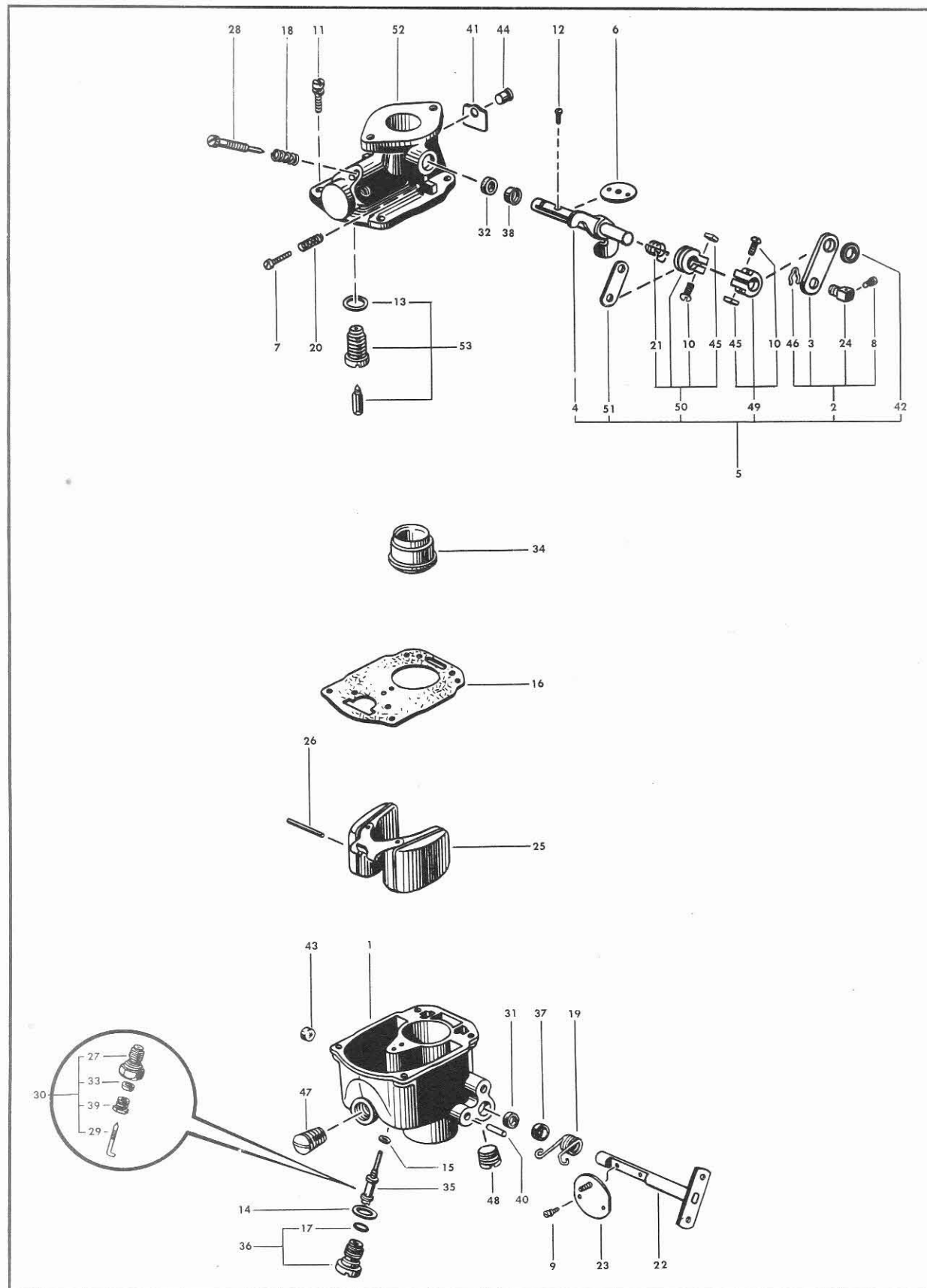
Carbureters



MARVEL-SCHEBLER PRODUCTS DIVISION,
BORG-WARNER CORPORATION
DECATUR, ILLINOIS, U. S. A.

WAUKESHA — INDUSTRIAL

TSV-15 to TSV-18



Marvel-Schebler Products Division, Borg-Warner Corporation, Decatur, Illinois, U. S. A.

WAUKESHA — INDUSTRIAL CARBURETERS

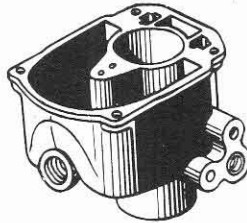
ISSUED JULY 1952

Model Application	Engine	Carburetor Number	Carburetor Part No.	Fuel	Superseded by	Customer Part No.	Repair Kit No.	Gasket Kit No.	Float Valve & Seat Assy
Industrial	ICK	TSV-15	10-3057	Gasoline	.....	51071	286-864	16-656	233-536
Industrial	ICK	TSV-18	10-3165	Gasoline	.....	51071-A	286-865	16-656	233-536

◆ The repair kit includes the throttle shaft, float valve and seat assembly, and the gasket kit.

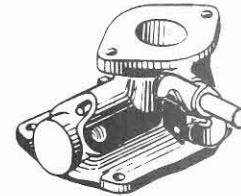
§ The flange gasket can be supplied separately. Specify the carburetor number when ordering.

BASIC SUBASSEMBLIES



CARBURETER BODY ASSY

Carburetor Number	Part Number
TSV-15	10-3058
TSV-18	10-3058



THROTTLE BODY & SHAFT ASSY

Carburetor Number	Part Number
TSV-15	227-1089
TSV-18	227-1127

WAUKESHA

Ref. No.	Part Name	Part No.	TSV-15	TSV-18
1	Body Assy — Carburetor	(See Basic Subassy)	1	1
2	Lever Assy — Throttle	12-879	1	1
3	Lever — Throttle, Loose	12-A148	1	1
4	Shaft & Stop Assy — Throttle	13-984	1	1
5	Shaft, Stop & Lever Assy — Throttle	13-1019	1	1
6	Valve — Throttle (10°)	14-204	1	1
7	Screw — Throttle Stop (No. 6-32 x 5/8)	15-28	1	1
8	Screw — Throttle Swivel	15-285	1	1
9	Screw & Lock Washer Assy — Choke Valve (No. 4-40 x 3/16) ...	15-A47	2	2
10	Screw — Clevis Clamp (No. 10-24 x 5/8)	15-A55	2	2
11	Screw & Lock Washer Assy — Throttle Body to Bowl (No. 10-24 x 5/8)	15-A86	4	4
12	Screw — Throttle Valve	15-A102	2	2
13	Gasket — Float Valve Seat	16-4	1	1
14	Gasket — Power Jet (Outer)	16-4	1	1
15	Gasket — Main Nozzle	16-A117	1	1
16	Gasket — Throttle Body to Bowl	16-A121	1	1
17	Gasket — Power Jet (Inner)	16-A123	1	1
18	Spring — Idle Adjusting Needle	24-340	1	1
19	Spring — Choke Return	24-A27	1	1
20	Spring — Throttle Stop Screw	24-A69	1	1
21	Spring — Governor Lever Tension	24-A129	1	1
22	Shaft & Lever Assy — Choke	26-731	1	1
23	Valve Assy — Choke	27-562	1	1
24	Swivel — Throttle Lever	28-51	1	1
25	Float & Lever Assy	30-667	1	1

WAUKESHA — INDUSTRIAL

TSV-15 to TSV-18

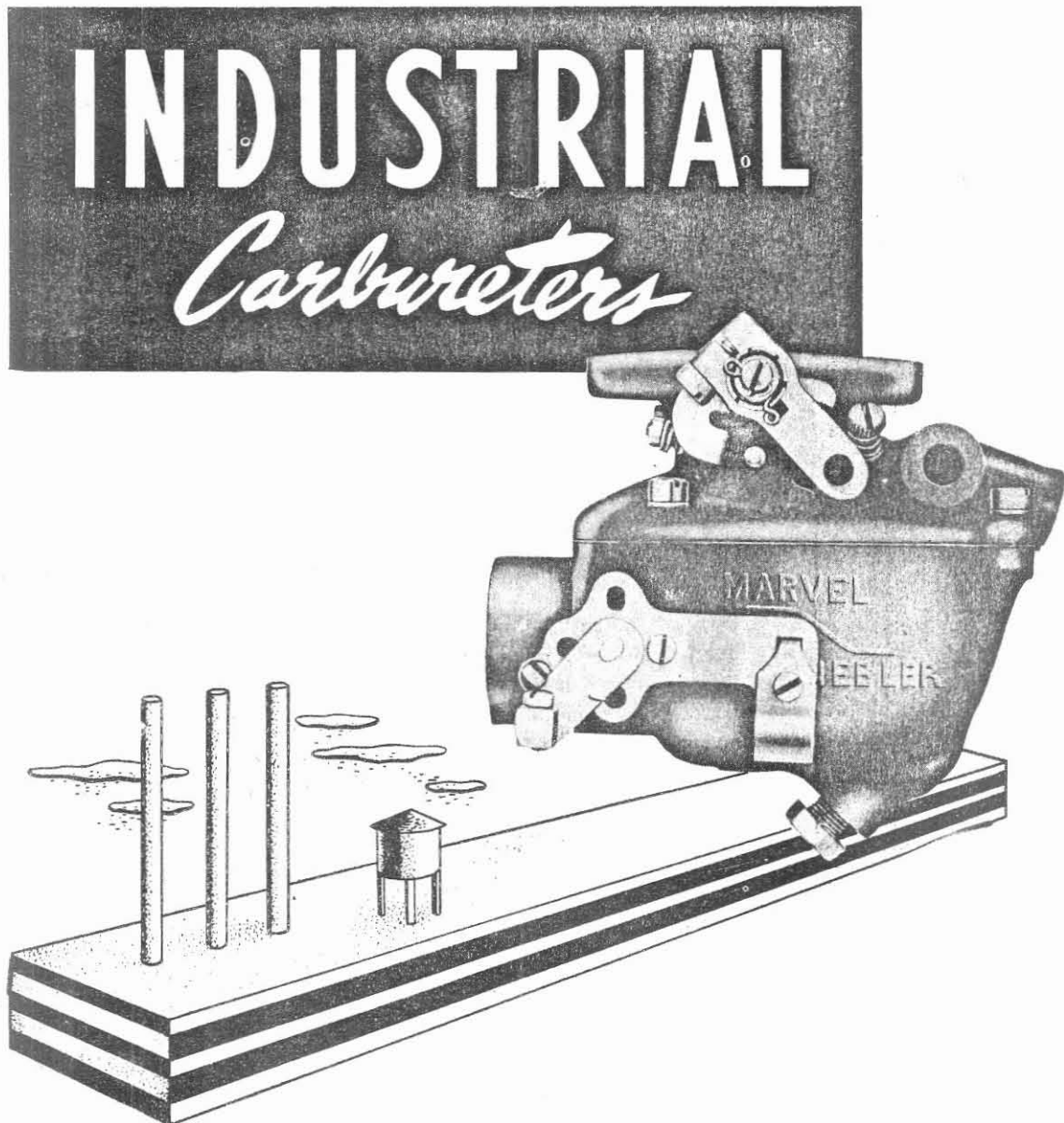
WAUKESHA			TSV-15	TSV-18
Ref. No.	Part Name	Part No.		
26	Shaft — Float Lever	32-27	1	1
27	Seat — Power Adjusting Needle	36-292	—	1
28	Needle — Idle Adjusting	43-33	1	1
29	Needle — Power Adjusting	43-134	—	1
30	Needle Assy — Power Adjusting (complete)	43-623	—	1
31	Packing — Choke Shaft	44-38	1	1
32	Packing — Throttle Shaft	44-38	1	1
33	Packing — Power Adjusting Needle	44-51	—	1
34	Venturi (15/32" Diameter Throat)	46-A78	1	1
35	Nozzle — Main	47-313	1	1
36	Jet Assy — Power	49-504	1	—
37	Retainer — Choke Shaft Packing	55-231	1	1
38	Retainer — Throttle Shaft Packing	55-231	1	1
39	Retainer — Power Adjusting Needle Packing	55-285	1	1
40	Pin — Choke Stop	62-248	1	1
41	Plate — Numbering	(Specify TSV Number)	1	1
42	Washer — Spacer, Throttle Shaft	78-420	1	1
43	Cup — Choke Shaft	80-169	1	1
44	Plug — Idle Drilling	80-171	1	1
45	Nut — Clevis Clamp (No. 10-24)	81-1	2	2
46	Cotter — Hairpin (Throttle Swivel)	82-16	1	1
47	Plug — Bowl Drain	99-4	1	1
48	Plug — Gasoline	99-4	1	1
49	Clevis Assy — Loose Lever	121-504	1	1
50	Clevis Assy — Governor Lever	121-512	1	1
51	Lever — Governor	155-299	1	1
52	Body & Shaft Assy — Throttle	(See Basic Subassy)	1	1
53	Valve & Seat Assy — Float	233-536	1	1

TEMPORARY SERVICE PARTS LIST - INSERT IN THE PROPER SECTION OF YOUR MANUAL

Gen. Industrial		Waukesha #51085	Model TSX-781
PART NO.	QUAN.	PART NAME	
10-4319	1	Carburetor Body Assembly	
12-A93	1	Lever - Throttle	
13-1253	1	Throttle Shaft, Stop & Lever Assembly	
14-175	1	Fly - Throttle (150)	
15-42	1	Screw (#8-32 x 3/4 Fill. Hd.)(Throttle Stop)	
15-285	1	Screw (#8-32 x 5/16) (Choke Swivel)	
15-392	1	Screw (#10-32 Drill Plug) (Idle Channel)	
15-409	1	Screw (#8-32 Drill Plug) (Nozzle Hole)	
15-A82	4	Screw (#12-24 x 5/8 Fill. Hd.) SEMS (Carb. Body to Bowl)	
15-A91	4	Screw (#4-40 x 1/4 Bind Hd.) SEMS (Thr. Fly-2) (Choke Fly-2)	
15-A93	1	Screw (#8-32 x 3/8 Fill. Hd.) SEMS (Choke Bracket to Body)	
15-A99	1	Screw (#8-32 x 5/16 Fill. Hd.) SEMS (Choke Bracket)	
15-A297	2	Screw (#10-24 x 7/8 Hex. Hd. Slotted)(Clevis Assembly)	
16-4	1	Gasket - Float Valve Seat Assembly	
16-80	1	Gasket - Throttle Body to Bowl	
16-449	1	Gasket - Main Nozzle	
16-674	1	Gasket Assembly (Service)	
24-247	1	Spring - Choke Return	
24-262	1	Spring - Throttle Stop Screw	
24-340	1	Spring - Idle Needle	
24-425	1	Spring - Choke Fly Flapper	
24-A81	2	Spring - Governor Lever Tension	
26-757	1	Choke Shaft & Lever Assembly	
27-539	1	Choke Fly Assembly	
28-49	1	Swivel - Choke Lever	
29-81	1	Bracket Choke - Tube Clip	
29-104	1	Bracket Choke Tube	
29-528	1	Choke Bracket Assembly	
30-600	1	Float and Lever Assembly	
32-27	1	Shaft - Float Lever	
43-159	1	Needle - Idle Adjusting	
44-39	1	Packing - Choke Shaft	
44-63	1	Packing - Throttle Shaft	
46-457	1	Venturi (25/32 Diameter Throat)	
47-731	1	Main Nozzle	
49-191	1	Jet - Power	
49-363	1	Jet - Idle Restriction	
55-230	1	Cup - Throttle Shaft	
55-231	1	Retainer - Throttle Shaft Packing	
55-243	1	Retainer - Choke Shaft Packing	
62-167	1	Pin - Throttle Stop	
78-A4	2	Washer - Clevis Assembly	
80-171	1	Drill Plug - Idle Drilling	
81-1	2	Nut #10-24 (Square) Clevis Assembly	
82-16	1	Cotter - Choke Swivel	
99-7	1	Plug - Bowl Drain	
121-508	2	Clevis Assembly	
155-347	1	Lever - Governor	
179-11	1	Plug Expansion	
227-1379	1	Throttle Body Assembly	
233-536	1	Float Valve Seat & Gasket Assembly (Matched)	
286-1271		Repair Kit	

TEMPORARY SERVICE PARTS LIST - INSERT IN THE PROPER SECTION OF YOUR MANUAL		
Clark FrontEnd Loader Eng. Model F-283-G		Waukesha Motor #52076-B TSX-855
PART NO.	QUAN.	PART NAME
10-4637	1	Carbureter Body Assembly
12-1047	1	Throttle Lever Assembly
13-1369	1	Throttle Shaft & Stop Assembly
14-163	1	Throttle Fly (22°) 3/64 Offset
15-85	1	Screw (#8-32 x 7/8) Fillister Head (Throttle Adjusting)
15-274	1	Screw (#5/16-24 x 5/32) Headless Plug
15-285	1	Screw (#8-32 x 5/16) Slotted Hex Head (Choke Swivel)
15-483	4	Screw (#6-32 x 1/4) Binding Hd. SEMS (Choke Fly-2)(Thr. Fly-2)
15-A85	4	Screw (#12-24 x 3/4) Fillister Head SEMS (Thr. Body to Bowl)
15-A93	2	Screw (#8-32 x 3/8) Pan Head SEMS (Choke Bracket)
15-A270	1	Screw (#8-32 x 5/16) Slotted Hex Hd. SEMS (Choke Bracket Clip)
15-A296	1	Screw (#12-24 x 5/8) Slotted Hex Hd. SEMS (Throttle Lever)
16-4	1	Gasket - Float Valve Seat
16-492	1	Gasket - Nozzle
16-A12	1	Gasket - Throttle Body to Bowl
16-640	1	Gasket Assembly
24-262	1	Spring - Throttle Stop Screw
24-292	1	Spring - Choke Fly Flapper
24-340	1	Spring - Idle Needle
24-A1	1	Spring - Main Adjusting Needle Packing
24-213	1	Spring - Choke Return
26-728	1	Choke Shaft & Lever Assembly
27-548	1	Choke Fly Assembly
28-49	1	Swivel - Choke
29-81	1	Clip - Choke Bracket
29-124	1	Bracket - Choke
29-552	1	Choke Bracket & Clip Assembly
30-621	1	Float & Lever Assembly
32-16	1	Shaft - Float
36-297	1	Seat - Main Adjusting Needle
43-58	1	Needle - Idle Adjusting
44-65	2	Packing - Throttle Shaft
44-38	1	Packing - Choke Shaft
46-A1	1	Venturi - (1" Throat)
47-416	1	Nozzle
49-161	1	Jet - Economizer
49-203	1	Jet - Idle
49-289	1	Jet - Power
55-216	2	Retainer - Throttle Shaft Packing
60-260	2	Bushing - Throttle Shaft - Service
62-167	1	Pin - Throttle Stop
82-16	1	Cotter - Choke Swivel
99-7	1	Drain Plug
179-11	1	Welch Plug
227-1792	1	Throttle Body Assembly
233-543	1	Float Valve, Seat & Gasket Assembly - Matched
286-1406	1	Repair Kit

SECTION II
WISCONSIN ENGINES
TSX SERIES



MARVEL-SCHEBLER PRODUCTS DIVISION,
BORG-WARNER CORPORATION
DECATUR, ILLINOIS, U. S. A.

Warranty

Marvel-Schebler Products Division, Borg-Warner Corporation, warrant its carbureters against defects in material and workmanship for a period of ninety days. Defective merchandise will be replaced without charge but labor charges incurred in the removal, disassembly or reinstallation of such products will not be allowed. No merchandise can be returned without written permission from the factory, transportation charges must be prepaid. The factory shall be the sole judge of defects in products returned.

A ten per cent handling charge will be made for all merchandise returned that is not defective. All prices are subject to change without notice, and we reserve the right to limit quantities and to make partial shipments unless specifically instructed otherwise. The obligation of the company under this warranty is limited to replacing at the factory, any complete units or parts thereof which shall be returned and which our examination shall disclose to have been defective.

Introduction...

This section of the master manual is an individual parts catalog of all service parts for Marvel-Schebler carbureters listed on the identification charts. The catalog is broken down into groups of fifteen carbureters; each group containing an identification chart, an exploded drawing of a composite carbureter, and a parts list. Each part in the illustration bears a reference number which keys together the illustration and parts list.

NOTE: The illustration does not represent any specific carbureter within a series, but is typical of all of them. All parts that look different are shown adjacent to the part of the basic carbureter that they replace.

TO USE THE CATALOG

- (1) Locate the group which contains the carbureter in question by referring to the identification charts.
- (2) Visually locate the part desired in the exploded drawing and note its reference number.
- (3) Turn to the parts list opposite the reference number of the part for its complete part name and part number.

WISCONSIN — INDUSTRIAL CARBURETERS

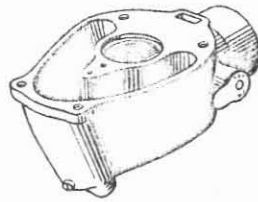
ISSUED JULY 1952

Model Application	Engine	Carburetor Number	Carburetor Part No.	Fuel	Superseded By	Customer Part No.	Repair Kit No.	Gasket Kit No.	Float Valve & Seat Assy
Industrial	AGH	TSX-146	10-2625	Gasoline	.....	L-49-A	286-665	16-597	233-536
Industrial	AHH	TSX-147	10-2626	Gasoline	.....	L-49-B	286-666	16-597	233-536
Industrial	VE-4	TSX-148	10-2630	Gasoline	TSX-352	L-49	286-667	16-590	233-536
Hyster Model 40 Lift Truck ..	VE-4 and VF-4	TSX-352	10-3214	Gasoline	.....	L-49-C	286-845	16-590	233-536

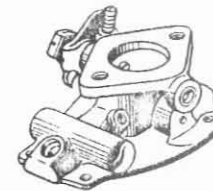
NOTE: Special installations and adaptations often require modification of the above carbureters by Wisconsin Motor Corporation. The original carburetor only is shown in the accompanying illustration. If a part is required but is not illustrated, direct the requisition for that part to Wisconsin Motor Corporation, Milwaukee, Wisconsin.

♦ The repair kit includes the throttle shaft, float valve and seat assembly, and the gasket kit.

§ The flange gasket can be supplied separately. Specify the carburetor number when ordering.

BASIC SUBASSEMBLIES**CARBURETOR BODY ASSY**

Carburetor Number	Part Number
TSX-146	10-2633
TSX-147	10-2635
TSX-148	10-2640
TSX-352	10-3215

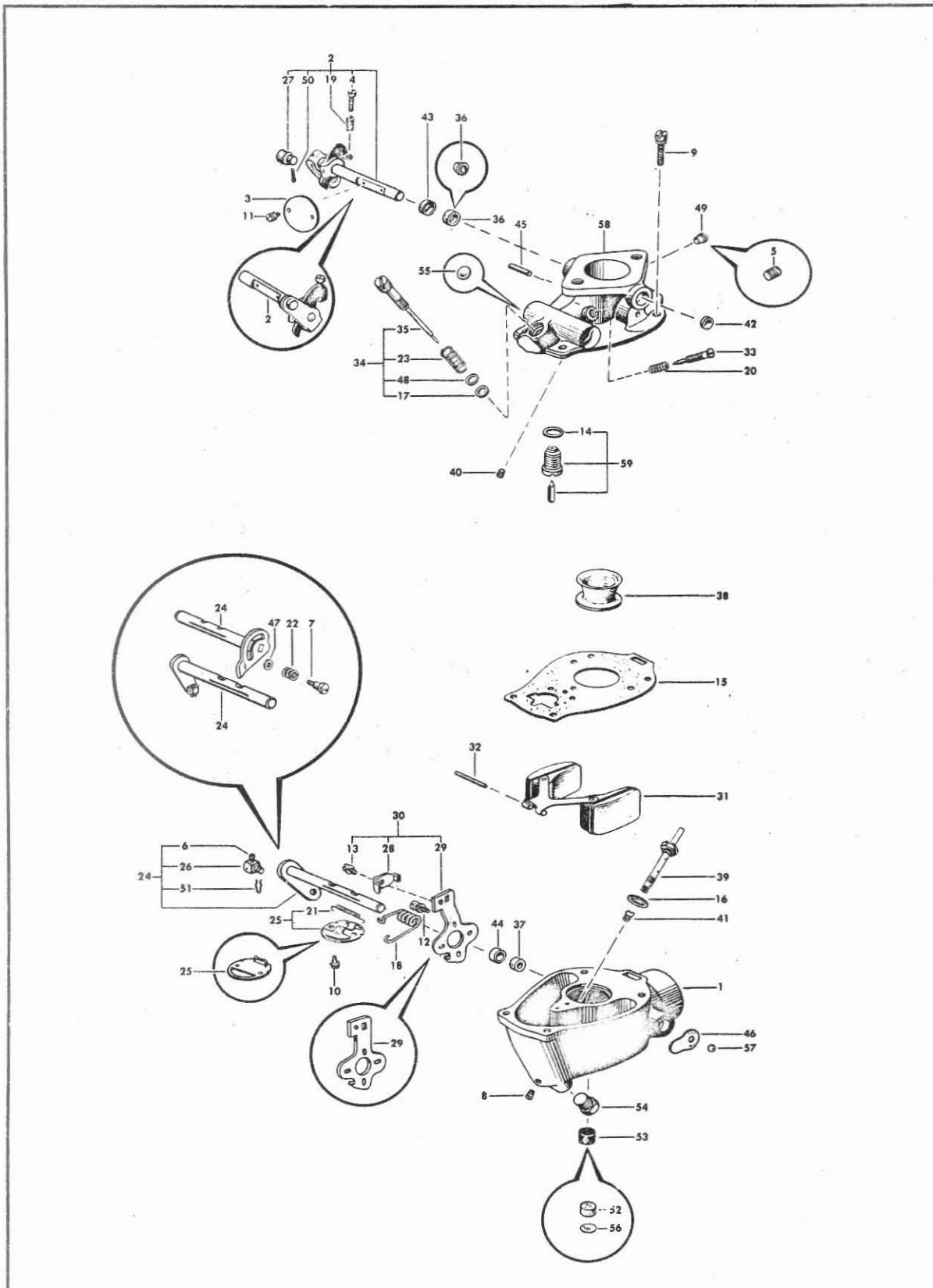
**THROTTLE BODY & SHAFT ASSY**

Carburetor Number	Part Number
TSX-146	227-899
TSX-147	227-899
TSX-148	227-904
TSX-352	227-1147

WISCONSIN

Ref. No.	Part Name	Part No.	TSX-146	TSX-147	TSX-148	TSX-352
1	Body — Carburetor	(See Basic Subassy)	1	1	1	1
2	Shaft, Stop & Lever Assy — Throttle	13-851	1	1	—	—
		13-877	—	—	1	1
3	Valve — Throttle (20°)	14-169	1	1	1	1
4	Screw — Throttle Stop (No. 8-32 x 3/4)	15-42	1	1	1	1
5	Screw — Idle Drilling (Headless, 1/4-28)	15-223	1	1	—	—
6	Screw — Choke Swivel (No. 8-32 x 5/16)	15-285	—	—	1	1
7	Screw — Choke Lever (No. 8-32 x 9/16)	15-397	1	1	—	—
8	Screw — Drill Plug, Nozzle Hole (No. 8-32)	15-409	—	—	1	1
9	Screw & Lock Washer Assy — Throttle Body to Bowl (No. 12-24 x 5/8)	15-A82	4	4	4	4
10	Screw & Lock Washer Assy — Choke Valve (No. 4-40 x 1/4)	15-A91	2	2	2	2
11	Screw & Lock Washer Assy — Throttle Valve (No. 4-40 x 1/4)	15-A91	2	2	2	2
12	Screw & Lock Washer Assy — Choke Bracket to Body (No. 8-32 x 3/8)	15-A93	—	—	1	1
13	Screw & Lock Washer Assy — Choke Bracket (No. 8-32 x 5/16)	15-A99	—	—	1	1
14	Gasket — Float Valve Seat	16-4	1	1	1	1
15	Gasket — Throttle Body to Bowl	16-80	1	1	1	1
16	Gasket — Main Nozzle	16-449	1	1	1	1

WISCONSIN — INDUSTRIAL
 TSX-146 to TSX-352



Marvel-Schebler Products Division, Borg-Warner Corporation, Decatur, Illinois, U. S. A.

WISCONSIN			TSX-146	TSX-147	TSX-148	TSX-352
Ref. No.	Part Name	Part No.				
17	Gasket — Power Adjusting Needle	††16-491	1	1	—	1
18	Spring — Choke Return	24-247	—	—	1	1
19	Spring — Throttle Stop Screw	24-262	1	1	1	1
20	Spring — Idle Needle	24-340	1	1	1	1
21	Spring — Choke Valve Flapper	24-425	1	1	1	1
22	Spring — Choke Lever Screw	24-480	1	1	—	—
23	Spring — Power Adjusting Needle	††24-A1	1	1	—	1
24	Shaft & Lever Assy — Choke	26-627	—	—	—	1
		26-631	1	1	—	—
		26-693	—	—	1	—
25	Valve Assy — Choke	27-530	1	1	—	—
		27-539	—	—	1	1
26	Swivel — Choke Lever	28-49	—	—	1	1
27	Swivel — Throttle Lever	28-94	1	1	1	1
28	Clip — Choke Bracket	29-81	—	—	1	1
29	Bracket — Choke	29-92	—	—	1	—
		29-104	—	—	—	1
30	Bracket Assy — Choke	29-514	—	—	1	—
		29-528	—	—	—	1
31	Float & Lever Assy	30-600	1	1	1	1
32	Shaft — Float Lever	32-27	1	1	1	1
33	Needle — Idle Adjusting	43-33	1	1	1	1
34	Needle Assy — Power Adjusting (complete)	††43-619	1	1	—	1
35	Needle Assy — Power Adjusting	††43-627	1	1	—	1
36	Packing — Throttle Shaft	†44-38	1	1	—	—
		44-63	—	—	1	1
37	Packing — Choke Shaft	†44-39	1	1	1	1
38	Venturi (25/32" Diameter Throat)	46-457	—	—	1	1
	(23/32" Diameter Throat)	46-476	1	—	—	—
	(13/16" Diameter Throat)	46-A38	—	1	—	—
39	Nozzle — Main	47-180	1	1	—	—
	Nozzle Assy — Main	47-636	—	—	1	1
40	Jet — Idle	49-101L	1	1	1	1
41	Jet — Power	49-162	—	—	1	—
		49-176	—	—	—	1
42	Cup — Throttle Shaft	55-230	1	1	1	1
43	Retainer — Throttle Shaft Packing	55-231	1	1	—	—
44	Retainer — Choke Shaft Packing	55-243	—	—	1	1
45	Pin — Throttle Stop	62-167	1	1	1	1
46	Plate — Numbering	(Specify TSX Number)	1	1	1	1
47	Washer — Choke Lever Screw	78-184	1	1	—	—
48	Washer — Flat, Power Adjusting Needle	††78-299	1	1	—	1
49	Plug — Idle Drilling	80-171	—	—	1	1
50	Pin — Cotter (Throttle Swivel)	82-14	1	1	1	1
51	Pin — Hairpin (Choke Swivel)	82-16	—	—	1	1
52	Strainer — Fuel Drain	*95-40	1	1	1	1
53	Strainer — Fuel Drain	*95-78	1	1	1	1
54	Plug — Bowl Drain	99-7	1	1	1	1
55	Plug — Expansion	179-11	—	—	1	1
56	Plug — Expansion	*179-35	1	1	1	1
57	Ball — Numbering Plate	206-36	1	1	1	1
58	Body & Shaft Assy — Throttle	(See Basic Subassy)	1	1	1	1
59	Valve & Seat Assy — Float	233-536	1	1	1	1

††For altitude adjustment only.

† Replaced by 44-63. Retainer not required with new packing.

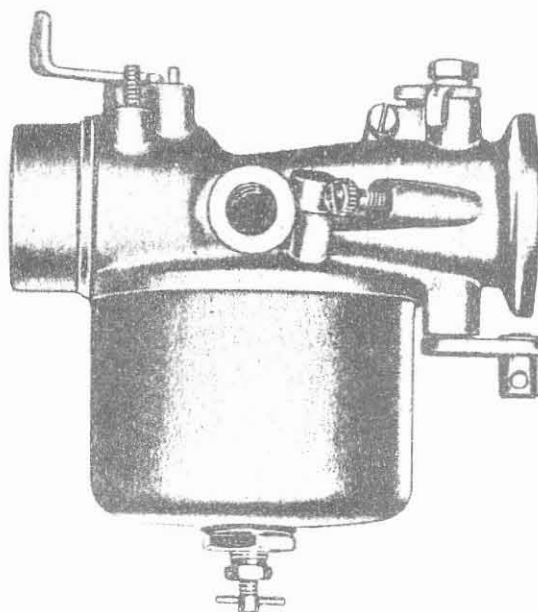
‡ Replaced by 44-66. Retainer not required with new packing.

* Production previous to July, 1947 used part number 95-40 with part number 179-35. These parts are not replaced with part number 95-78 but are still supplied for service.

THIS NEW ISSUE OF THE WISCONSIN INDUSTRIAL VH SECTION SUPERSEDES ISSUE DATED NOV 1953 DISCARD OLD ISSUE.

SECTION II
WISCONSIN ENGINES
VH-12 to VH-93
VH SERIES

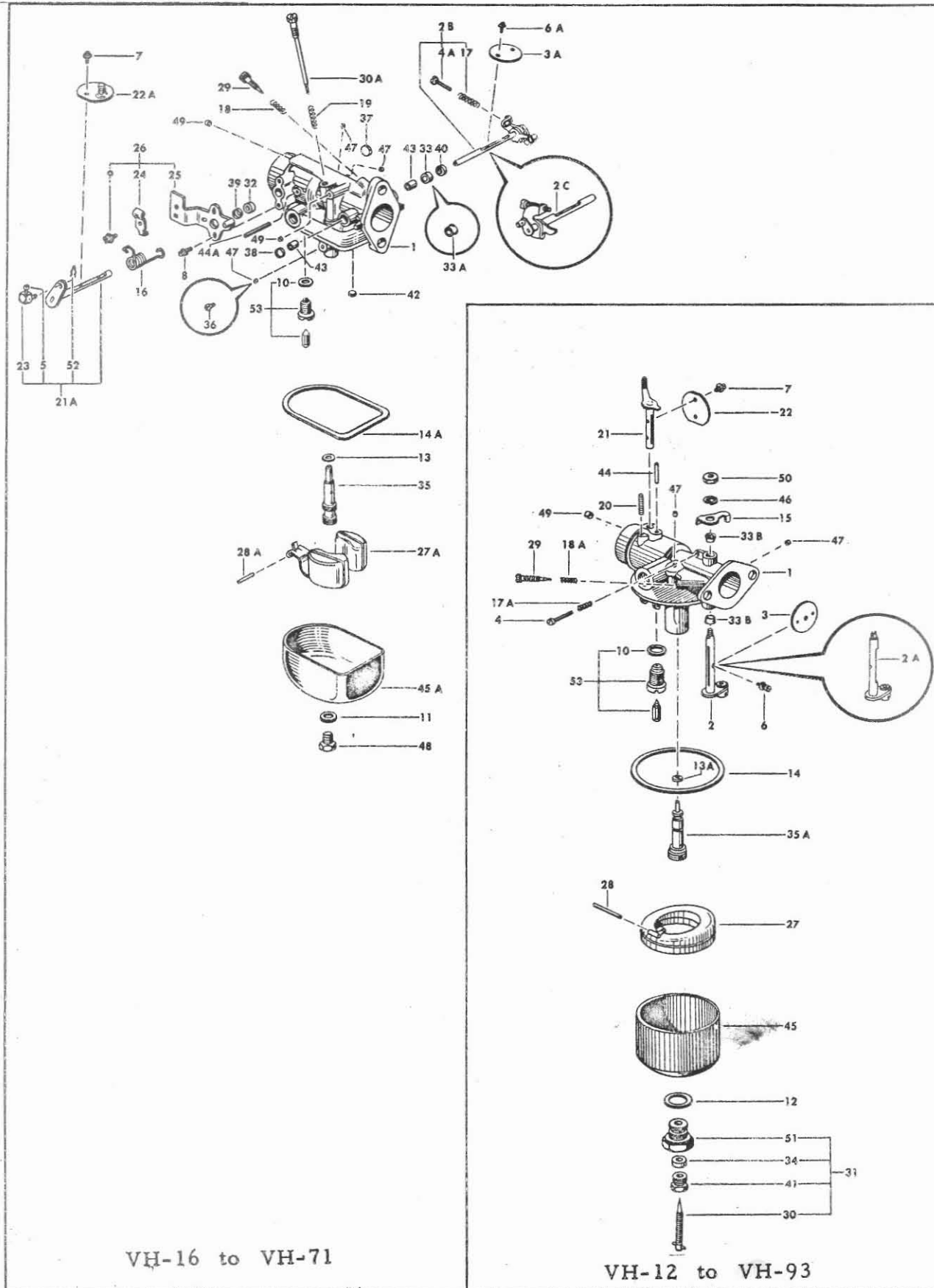
SUPPLEMENT 1



MARVEL-SCHEBLER PRODUCTS DIVISION,
BORG-WARNER CORPORATION
DECATUR, ILLINOIS, U. S. A.

FORM NO. MSPC231, JULY 1958
PRINTED IN U. S. A.

WISCONSIN — INDUSTRIAL
VH-12 to VH-93



Marvel-Schebler Products Division, Borg-Warner Corporation, Decatur, Illinois, U. S. A.

Model Application	Engine	Carburetor Number	Fuel	Superseded by	Customer Part No.	Repair Kit No.	Gasket Kit No.	Float Valve & Seat Assy
Industrial	AK, AKS	VH-12	Gasoline	VH-53	L-52-A	286-725	16-638	233-536
Industrial	AB, ABS	VH-14	Gasoline	VH-92	L-52	286-693	16-638	233-536
Industrial	VM4, VP4	VH-20	Gasoline	VH-69A	L-54-A	286-776	16-649	233-536
Industrial	VP-4	VH-22	Gasoline	VH-69A	L-54-B	286-777	16-649	233-536
Industrial	VP-4	VH-23	Gasoline	VH-69A	L-54-C	286-756	16-649	233-536
Industrial	VPO-4	VH-30	Distillate	-----	L-54-F	286-831	16-649	233-536
Lincoln Electric Co....	VP-4	VH-44	Gasoline	VH-71	L-54-G	286-776	16-649	233-536
Industrial	VM-4, VP-4	VH-45	Gasoline	VH-69A	L-54-J	286-776	16-649	233-536
Industrial	VPO-4	VH-49	Distillate	-----	L-54-K	286-831	16-649	233-536
Industrial	ABNBKN, ACN, AKN	VH-53	Gasoline	-----	L-52-C	286-1024	16-638	233-536
Industrial	AKN, ABN	VH-61	Gasoline	VH-53	L-52-B	286-725	16-638	233-536
Industrial	ABN	VH-63	Gasoline	VH-92	L-52-G	286-1026	16-638	233-536
Industrial	VM4, VP4	VH-69A	Gasoline	-----	L-54-J1	286-1025	16-649	233-536
Lincoln Electric Co....	VP-4	VH-71	Gasoline	-----	L-54-N	286-1052	16-649	233-536
Industrial	VPO4, VGO4D	VH-72	Gasoline	-----	L-54-P	286-1027	16-649	233-536
Industrial	ACN, BKN	VH-92	Gasoline	-----	L-52-K	286-1051	16-638	233-536
Industrial	ACN, BKN	VH-93	Gasoline	-----	L-52-L	286-1051	16-638	233-536

Carburetor Number	Part Number
VH-53.....	10-3475
VH-61.....	10-3659
VH-63.....	10-3688
VH-69.....	10-3685
VH-71.....	10-3705
VH-72.....	10-3763
VH-92.....	10-4246
VH-93.....	10-4246

[illegible]

VH-12 to VH-93

WISCONSIN			VH-12	VH-14	VH-20	VH-22	VH-23	VH-30	VH-44	VH-45	VH-49	VH-53	VH-61	VH-63	VH-69	VH-71	VH-72	VH-92	VH-93
Ref No.	Part Name	Marvel-Schebler Part No.																	
6A	Screw & Lock Washer Assy — Throttle Valve (No. 4-40 x 1/4)	15-A46	-	-	2	2	2	2	2	2	2	-	-	-	2	2	2	-	-
6	Screw & Lock Washer Assy — Throttle Valve (No. 4-40 x 3/16)	15-A47	1	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1
7	Screw & Lock Washer Assy — Choke Valve (No. 4-40 x 3/16)	15-A47	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	Screw & Lock Washer Assy — Choke Bracket to Body (No. 8-32 x 3/8)	15-A93	-	-	2	2	-	2	2	2	2	-	-	-	2	2	2	-	-
9	Screw & Lock Washer Assy — Choke Bracket (No. 8-32 x 5/16)	15-A99	-	-	1	1	-	1	1	1	1	-	-	-	1	1	1	-	-
10	Gasket — Float Valve Seat	16-4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	Gasket — Bowl Plug	16-4	-	-	1	1	1	1	1	1	1	-	-	-	1	1	1	-	-
12	Gasket — Bowl Nut	16-14	1	1	-	-	-	-	-	-	-	1	1	1	-	-	-	1	1
13	Gasket — Main Nozzle	16-456	-	-	1	1	1	1	1	1	1	-	-	-	1	1	1	-	-
13A	Gasket — Main Nozzle	16-A95	1	1	-	-	-	-	-	-	-	1	1	1	-	-	-	1	1
14	Gasket — Body to Bowl	16-A83	1	1	-	-	-	-	-	-	-	1	1	1	-	-	-	1	1
14A	Gasket — Body to Bowl	16-A105	-	-	1	1	1	1	1	1	1	-	-	-	1	1	1	-	-
15	Stop — Throttle Lever	21-161	1	1	-	-	-	-	-	-	-	1	1	1	-	-	-	1	1
16	Spring — Choke Return	24-213	-	-	1	1	-	1	1	1	1	-	-	-	1	1	1	-	-
		24-A107	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
17	Spring — Throttle Stop Screw	24-262	-	-	1	1	1	1	1	1	1	-	-	-	1	1	1	-	-
17A	Spring — Throttle Stop Screw	24-A69	1	1	-	-	-	-	-	-	-	1	1	1	-	-	-	1	1
18	Spring — Idle Adjusting Needle	24-485	-	-	1	1	1	1	1	1	1	-	-	-	1	1	1	-	-
18A	Spring — Idle Adjusting Needle	24-A136	1	1	-	-	-	-	-	-	-	1	1	1	-	-	-	1	1
19	Spring — Power Adjusting Needle	24-A1	-	-	-	-	-	1	-	-	1	-	-	-	-	-	1	-	-
20	Spring — Choke Lever Friction	24-A63	1	1	-	-	-	-	-	-	-	1	1	1	-	-	-	1	1
21	Shaft & Lever Assy — Choke	26-673	1	1	-	-	-	-	-	-	-	1	1	1	-	-	-	1	1
21A	Shaft & Lever Assy — Choke	26-711	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
21A	Shaft & Lever Assy — Choke	26-720	-	-	1	1	-	1	1	1	1	-	-	-	1	1	1	-	-
22	Valve — Choke	27-185	1	1	-	-	-	-	-	-	-	1	1	1	-	-	-	1	1
22	Valve — Choke	27-236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22A	Valve Assy — Choke	27-559	-	-	1	1	1	1	1	1	1	-	-	-	1	1	1	-	-
23	Swivel — Choke Lever	28-49	-	-	1	-	-	1	1	1	1	-	-	-	1	1	1	-	-
		28-107	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
24	Clip — Choke Bracket	29-81	-	-	1	1	-	1	1	1	1	-	-	-	1	1	1	-	-
25	Bracket — Choke	29-124	-	-	1	1	-	1	1	1	1	-	-	-	1	1	1	-	-
26	Bracket Assy — Choke	29-537	-	-	1	1	-	1	1	1	1	-	-	-	1	1	1	1	1
27	Float & Lever Assy	30-658	1	1	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-
27A	Float & Lever Assy	30-666	-	-	1	1	1	1	1	1	1	-	-	-	1	1	1	1	1
28	Shaft — Float Lever	32-16	1	1	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-
28A	Shaft — Float Lever	32-27	-	-	1	1	1	1	1	1	1	-	-	-	1	1	1	1	1
29	Needle — Idle Adjusting	43-129	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	Needle Assy — Power Adjusting	43-603	1	1	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-
30A	Needle Assy — Power Adjusting	43-606	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	1	1
31	Needle Assy — Power Adjusting (complete)	43-604	1	1	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-
32	Packing — Choke Shaft	44-38	-	-	1	1	1	1	1	1	1	-	-	-	1	1	1	-	-
33	Packing — Throttle Shaft	44-38	-	-	2	1	1	2	2	2	2	-	-	-	-	-	-	-	-
33A	Packing — Throttle Shaft	44-63	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	-
33B	Packing — Throttle Shaft	44-86	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	1	-
34	Packing — Power Adjusting Needle	44-51	1	1	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-
35	Nozzle — Main	47-300	-	-	1	1	1	-	-	1	-	-	-	-	-	-	-	-	-
35	Nozzle — Main	47-311	-	-	-	-	-	1	1	-	1	-	-	-	-	-	1	1	-
35A	Nozzle — Main	47-330	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

VH-12 to VH-93

[illegible]

TEMPORARY SERVICE PARTS LIST - INSERT IN THE PROPER SECTION OF YOUR MANUAL		
		Wisconsin Motors #LZ-54-J-8
		VH-94
PART NO.	QUAN.	PART NAME
10-3775	1	Carburetor Body Assembly
13-956	1	Throttle Shaft
14-214	1	Throttle Fly (12°)
15-42	1	Screw - #8-32 x 3/4 Fillister Head (Throttle Stop)
15-285	1	Screw - #8-32 x 5/16 Fillister Head (Choke Swivel)
15-A46	2	Screw - #4-40 x 1/4 (Sems) (Throttle Fly)
15-A47	2	Screw - #4-40 x 3/16 (Sems) (Choke Fly)
15-A93	2	Screw - #8-32 x 3/8 Fillister Head (Sems) (Choke Bracket)
15-A99	1	Screw - #8-32 x 5/16 Fillister Head (Sems) (Choke Bracket Clip)
16-4	2	Gasket (Bowl Plug-1)(Float Valve Seat-1)
16-456	1	Gasket - Nozzle
16-A105	1	Gasket - Bowl
16-649	1	Gasket Assortment (Service)
24-262	1	Spring - Throttle Adjusting
24-485	1	Spring - Idle Adjusting Needle
24-A324	1	Spring - Choke Return
25-322	1	Choke Lever
25-661	1	Choke Lever Assembly
26-370	1	Choke Shaft
27-236	1	Choke Fly
28-49	1	Swivel - Choke
29-81	1	Clip (Choke Bracket)
29-124	1	Bracket (Choke)
29-537	1	Choke Bracket Assembly
30-666	1	Float & Lever Assembly
32-27	1	Float Lever Shaft
43-129	1	Idle Adjusting Needle
44-38	1	Packing - Choke Shaft
44-63	2	Packing - Throttle Shaft
47-395	1	Main Nozzle - Finish Drawing
49-253	1	Power - Jet
49-359	1	Jet - Idle
55-230	1	Cup - Choke Shaft
55-231	2	Packing Retainer - Throttle Shaft
55-316	1	Cup - Idle Drilling
60-439	2	Bushing - Throttle Shaft (Service Only)
65-172	1	Float Bowl
78-39	1	Washer - Choke Bracket Clip
78-62	1	Washer - Choke Lever Retaining
78-184	1	Washer - Choke Swivel
80-166	1	Plug - Bowl Retaining
81-145	1	Nut - Choke Lever Retaining
82-16	1	Cotter - Choke Swivel
233-536	1	Matched Float, Valve, Seat & Gasket Assembly
286-776		Repair Kit

