

TRACTOR

Carbureters



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 divided into groups of 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.

FATE-ROOT-HEATH — TRACTOR CARBURETERS

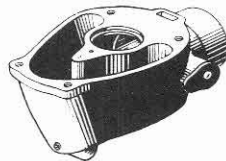
ISSUED FEBRUARY 1953

Model Application	Engine	Carburetor Number	Fuel	Superseded By	Customer Part No.	◆Repair Kit No.	§Gasket Kit No.	Float Valve & Seat Assy
Silver King	Cont. F162	TSX-29	Gasoline	.....	4064	286-607	16-592	233-536
Silver King	Cont. F162	TSX-44	Gasoline	.....	4663	286-607	16-590	233-536
Silver King	Cont. F162	TSX-112	Gasoline	.....	4137	286-608	16-592	233-536
Silver King	Cont. F162	TSX-358	Gasoline	.....	.....	286-941	16-592	233-536

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

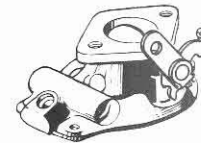
§The flange gasket can be supplied separately. Specify the carburetor number when ordering.

BASIC SUBASSEMBLIES



CARBURETER BODY ASSEMBLY

Carburetor Number	Marvel-Schebler Part Number	Fate-Root-Heath Part Number
TSX-29	10-1983	
TSX-44	10-2057	
TSX-112	10-2444	
TSX-358	10-3389	

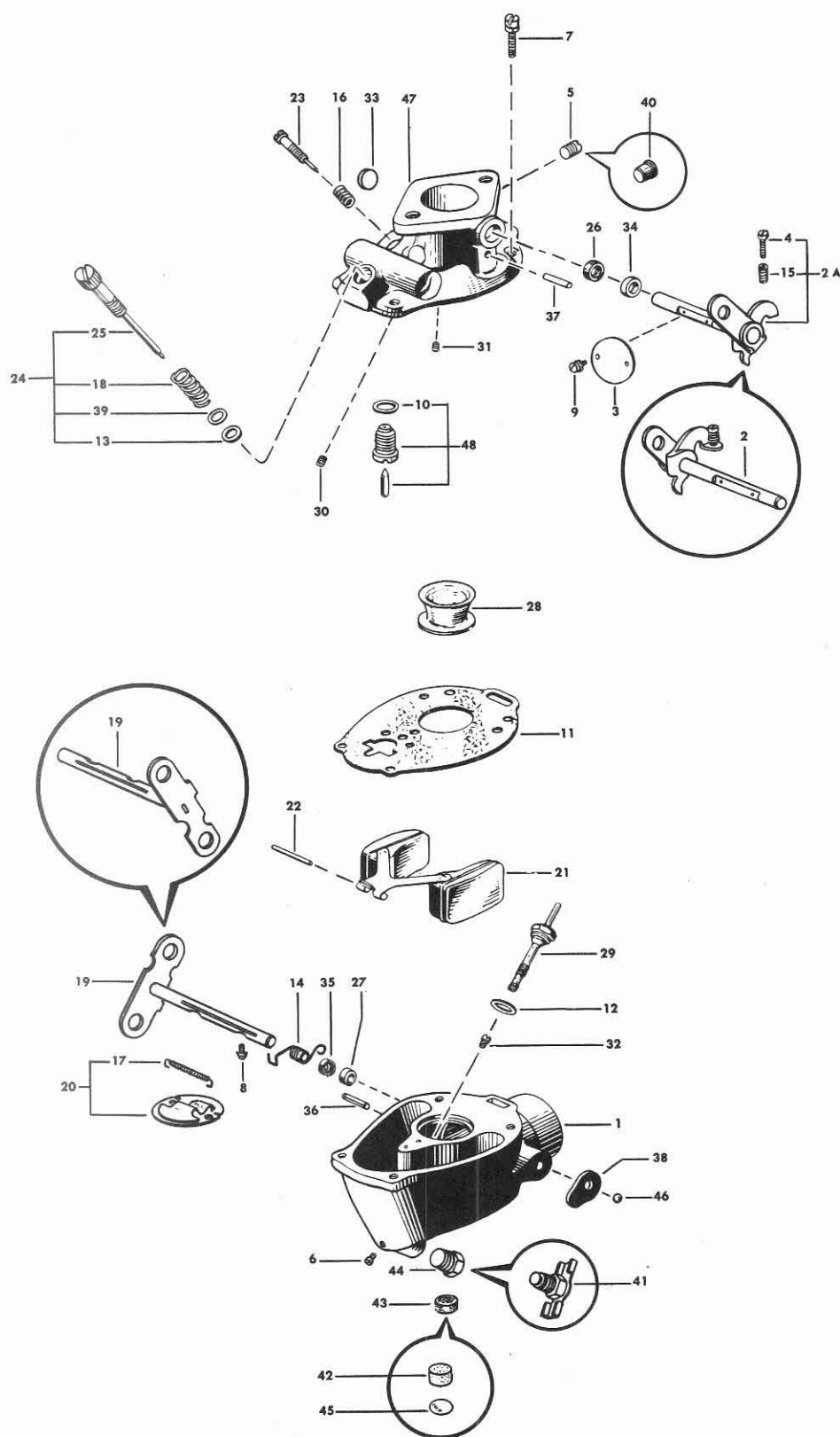


THROTTLE BODY & SHAFT ASSEMBLY

Carburetor Number	Marvel-Schebler Part Number	Fate-Root-Heath Part Number
TSX-29	227-636	
TSX-44	227-668	
TSX-112	227-828	
TSX-358	227-1226	

Ref. No.	Part Name	Marvel-Schebler Part Number	Fate-Root-Heath Part Number	TSX-29	TSX-44	TSX-112	TSX-358
1	Body Assy — Carburetor	(See Basic Subassembly)	.....	1	1	1	1
2	Shaft, Stop & Lever Assy — Throttle	13-783	.....	1	1	—	—
2A	Shaft, Stop & Lever Assy — Throttle	13-832	.....	—	—	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 — Drill Plug, Nozzle Hole (No. 8-32)	15-409	.....	1	—	—	1
7	Screw & Lock Washer Assy — Throttle Body to Bowl (No. 12-2 x 5/8)	15-A82	.....	4	4	4	4
8	Screw & Lock Washer Assy — Choke Valve (No. 4-40 x 1/4)	15-A91	.....	2	2	2	2
9	Screw & Lock Washer Assy — Throttle Valve (No. 4-40 x 1/4)	15-A91	.....	2	2	2	2
10	Gasket — Float Valve Seat	16-4	.....	1	1	1	1
11	Gasket — Throttle Body to Bowl	16-80	.....	1	1	1	1
12	Gasket — Main Nozzle	16-449	.....	1	1	1	1
13	Gasket — Power Adjusting Needle	16-491	.....	1	—	1	1
14	Spring — Choke Return	24-218	.....	1	1	1	1
15	Spring — Throttle Stop Screw	24-262	.....	1	1	1	1
16	Spring — Idle Needle	24-340	.....	1	1	1	1
17	Spring — Choke Valve Flapper	24-425	.....	1	1	1	1
18	Spring — Power Adjusting Needle	24-A1	.....	1	—	1	1
19	Shaft & Lever Assy — Choke	26-635	.....	1	1	1	1
20	Valve Assy — Choke	27-539	.....	1	1	1	1
21	Float & Lever Assy	30-600	.....	1	1	1	1
22	Shaft — Float Lever	32-27	.....	1	1	1	1
23	Needle — Idle Adjusting	43-33	.....	1	1	1	1
24	Needle Assy — Power Adjusting (complete)	43-619	.....	1	—	1	1
25	Needle Assy — Power Adjusting	43-627	.....	1	—	1	1
26	Packing — Throttle Shaft	44-38	.....	1	1	1	1
27	Packing — Choke Shaft	44-39	.....	1	1	1	1

FATE-ROOT-HEATH — TRACTOR
TSX-29 to TSX-358



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

Ref. No.	Part Name	Marvel-Schebler Part Number	Fate-Root-Heath Part Number	TSX-29	TSX-44	TSX-112	TSX-358
28	Venturi (25/32" Diameter Throat)	46-457	.....	1	1	1	1
	(11/16" Diameter Throat)	46-467	.....	1	1	1	1
	(23/32" Diameter Throat)	46-476	.....	1	1	1	1
29	Nozzle Assy — Main	47-589	.....	1	1	1	1
		47-609	.....	1	1	1	1
30	Jet — Idle	49-101-L	.....	1	1	1	1
31	Jet — Economizer	49-161	.....	1	1	1	1
		49-163	.....	1	1	1	1
32	Jet — Power	49-164	.....	1	1	1	1
		49-171	.....	1	1	1	1
		49-206	.....	1	1	1	1
33	Cup — Throttle Shaft	55-230	.....	1	1	1	1
34	Retainer — Throttle Shaft Packing	55-231	.....	1	1	1	1
35	Retainer — Choke Shaft Packing	55-243	.....	1	1	1	1
36	Pin — Choke Stop	62-167	.....	1	1	1	1
37	Pin — Throttle Stop	62-167	.....	1	1	1	1
38	Plate — Numbering	(Specify TSX Number)	.....	1	1	1	1
39	Washer — Flat, Power Adjusting Needle	78-299	.....	1	1	1	1
40	Plug — Idle Drilling	80-171	.....	1	1	1	1
41	Cock — Drain	87-3A	.....	1	1	1	1
42	Strainer — Fuel Drain	*95-40	.....	1	1	1	1
43	Strainer — Fuel Drain	*95-78	.....	1	1	1	1
44	Plug — Bowl Drain	99-7	.....	1	1	1	1
45	Plug — Expansion, Bowl Drain	*179-35	.....	1	1	1	1
46	Ball — Numbering Plate	206-36	.....	1	1	1	1
47	Throttle Body & Shaft Assy	(See Basic Subassembly)	.....	1	1	1	1
48	Valve & Seat Assy — Float	233-536	.....	1	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.

