

SECTION III

INTERNATIONAL HARVESTER

TSX SERIES

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.

INTERNATIONAL HARVESTER — TRACTOR CARBURETERS

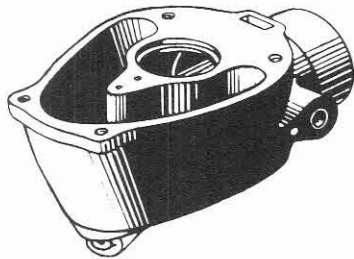
ISSUED MARCH 1953

Model Application	Engine	Carburetor Number	Fuel	Superseded by	Customer Part No.	Repair Kit. No.	Gasket Kit. No.	Float Valve & Seat Assy
AB		TSX-156	Kerosene	.....	69402-D	286-672	16-635	233-536
AB		TSX-157	Gasoline	.....	69401-D	286-673	16-634	233-536
U-2 Power Unit		TSX-171	Gasoline	.....	69403-D	286-674	16-634	233-536
U-2		TSX-198	Gasoline	.....	69404-D	286-672	16-635	233-536
C		TSX-319	Gasoline	.....	352047-R91	286-833	16-634	233-536

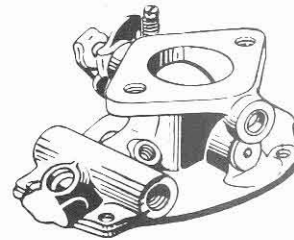
♦The repair kit includes the throttle shaft, float valve and seat assembly, and the gasket kit.

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

BASIC SUBASSEMBLIES



CARBURETOR BODY ASSEMBLY

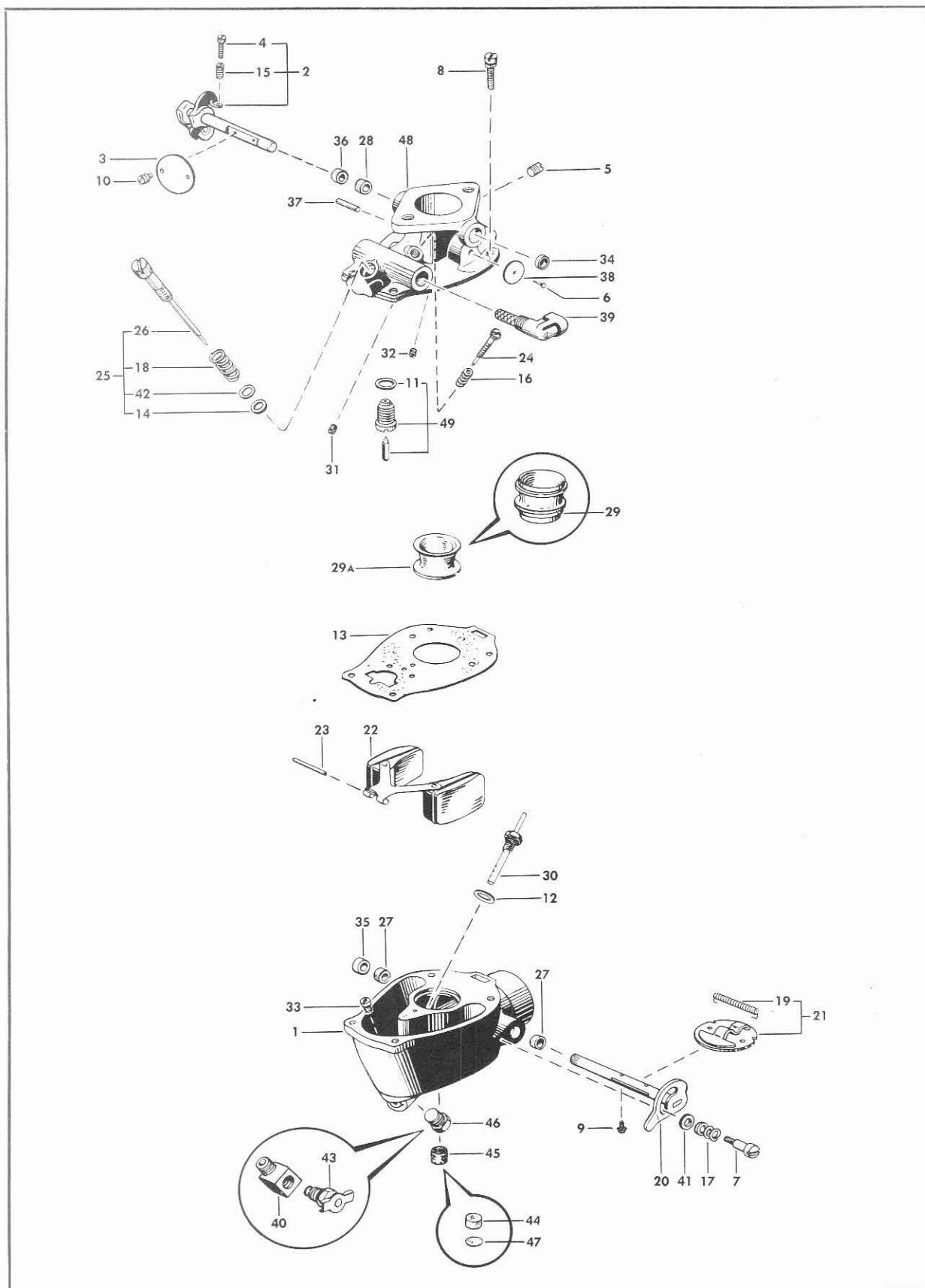


THROTTLE BODY & SHAFT ASSEMBLY

Carburetor Number	Marvel-Schebler Part Number	International Harvester Part Number	Carburetor Number	Marvel-Schebler Part Number	International Harvester Part Number
TSX-156	10-2700	69933-D	TSX-156	227-939	69973-D
TSX-157	10-2676	69921-D	TSX-157	227-917	69943-D
TSX-171	10-2698		TSX-171	227-937	
TSX-198	10-2700	69933-D	TSX-198	227-1006	
TSX-319	10-3163		TSX-319	227-1128	

Ref. No.	Part Name	Marvel-Schebler Part Number	International Harvester Part Number	TSX-156	TSX-157	TSX-171	TSX-198	TSX-319
1	Body Assembly — Carburetor	(See Basic Subassembly)		1	1	1	1	1
2	Shaft, Stop & Lever Assembly — Throttle	13-879	69922-D	1	1	1	1	1
3	Valve — Throttle (15°)	14-175	69944-D	1	1	1	1	1
4	Screw — Throttle Stop (No. 8-32 x 3/4)	15-42	69946-D	1	1	1	1	1
5	Screw — Idle Drilling (Headless, 1/4-28)	15-223	69947-D	1	1	1	1	1
6	Screw — Drive, Numbering Plate (No. 2 x 3/16)	15-367		1	1	1	1	1
7	Screw — Choke Lever (No. 8-32 x 9/16)	15-397	69948-D	1	1	1	1	1
8	Screw & Lock Washer Assy — Throttle Body to Bowl (No. 12-24 x 5/8)	15-A82		4	4	4	4	4
9	Screw & Lock Washer Assy — Choke Valve (No. 4-40 x 1/4)	15-A91	69945-D	2	2	2	2	2
10	Screw & Lock Washer Assy — Throttle Valve (No. 4-40 x 1/4)	15-A91	69945-D	2	2	2	2	2
11	Gasket — Float Valve Seat	16-4	69950-D	1	1	1	1	1
12	Gasket — Main Nozzle	16-28	69951-D	1	1	1	1	1
13	Gasket — Throttle Body to Bowl	16-80	69952-D	1	1	1	1	1
14	Gasket — Power Adjusting Needle	16-491		1	—	—	1	—
15	Spring — Throttle Stop Screw	24-262	69953-D	1	1	1	1	1
16	Spring — Idle Needle	24-340	69954-D	1	1	1	1	1
17	Spring — Choke Lever Screw	24-480	69955-D	1	1	1	1	1
18	Spring — Power Adjusting Needle	24-A1		1	—	—	1	—

INTERNATIONAL HARVESTER — TRACTOR
 TSX-156 to TSX-319



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

INTERNATIONAL HARVESTER — TRACTOR
TSX-156 to TSX-319

Ref. No.	Part Name	Marvel-Schebler Part Number	International Harvester Part Number	TSX-156	TSX-157	TSX-171	TSX-198	TSX-319
19	Spring — Choke Valve Flapper	24-A43	.....	1	1	1	1	1
20	Shaft & Lever Assy — Choke	26-696	69917-D	1	1	1	1	1
21	Valve Assy — Choke	27-554	70144-D	1	1	1	1	1
22	Float & Lever Assembly	30-600	69919-D	1	1	1	1	1
23	Shaft — Float Lever	32-27	69920-D	1	1	1	1	1
24	Needle — Idle Adjusting	43-33	69923-D	1	1	1	1	1
25	Needle Assy — Power Adjusting (complete)	43-619	.....	1	—	—	1	—
26	Needle Assy — Power Adjusting	43-627	.....	1	—	—	1	—
27	Packing — Choke Shaft	†44-38	69924-D	2	2	2	2	2
28	Packing — Throttle Shaft	†44-38	69924-D	1	1	1	1	1
29	Venturi (5/8" Diameter Throat)	46-448	69925-D	1	1	—	1	—
29A	Venturi (11/16" Diameter Throat)	46-467	.....	—	—	1	—	—
29A	Venturi (23/32" Diameter Throat)	46-476	.....	—	—	—	—	1
30	Nozzle — Main	47-270	69968-D	1	1	—	1	1
		47-271	.....	—	—	1	—	—
31	Jet — Idle	49-101-L	69929-D	1	1	1	1	1
32	Jet — Economizer	49-161	69969-D	1	—	—	1	—
		49-264	.....	—	1	1	—	—
33	Jet — Power	49-196	69928-D	—	1	—	—	—
		49-198	.....	—	—	—	—	1
		49-204	.....	—	—	1	—	—
34	Cup — Throttle Shaft	55-230	69930-D	1	1	1	1	1
35	Retainer — Choke Shaft Packing	55-231	69931-D	1	1	1	1	1
36	Retainer — Throttle Shaft Packing	55-231	69931-D	1	1	1	1	1
37	Pin — Throttle Stop	62-167	29932-D	1	1	1	1	1
38	Plate — Numbering	(Specify TSX Number)	.....	1	1	1	1	1
39	Fitting & Strainer Assy — Fuel Inlet	67-528	69938-D	1	1	—	—	1
40	Elbow — Street, 1/8 NPT, Fuel Drain	69-24	69970-D	1	—	—	1	—
41	Washer — Choke Lever Screw	78-184	69937-D	1	1	1	1	1
42	Washer — Flat, Power Adjusting Needle	78-299	69971-D	1	—	—	1	—
43	Cock — Drain	87-3A	69972-D	1	—	—	1	—
44	Strainer — Fuel Drain	*95-40	69939-D	1	1	1	1	1
45	Strainer — Fuel Drain	*95-78	.....	1	1	1	1	1
46	Plug — Bowl Drain	99-7	69940-D	—	1	1	—	1
47	Plug — Expansion, Bowl Drain	*179-35	69942-D	1	1	1	1	1
48	Body & Shaft Assy — Throttle	(See Basic Subassembly)	.....	1	1	1	1	1
49	Valve & Seat Assy — Float	233-536	69956-D	1	1	1	1	1

† Replaced by 44-63. 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.

TEMPORARY SERVICE PARTS LIST - INSERT IN THE PROPER SECTION OF YOUR MANUAL		
F330 Tractor		International Harvester
		TSX-748
PART NO.	QUAN.	PART NAME
10-4224	1	Carbureter Body Assembly
13-1245	1	Throttle Shaft & Lever Assembly
14-169	1	Fly - Throttle (20°)
15-42	1	Screw - (#8-32 x 3/4 Fill. Hd.) (Throttle Stop)
15-108	1	Screw - (#8-32 x 5/16 Slotted Hex.) (Choke Lever)
15-409	1	Screw - (#8-32 Drill Plug) (Nozzle Hole)
15-A82	4	Screw - (#12-24 x 5/8 Flat Fill. Hd.) (Thr. Body to Bowl)
15-A91	4	Screw - (#4-40 x 1/4 Bind. Hd.) (Choke Fly-2) (Thr. Fly-2)
15-A93	1	Screw - (#8-32 x 3/8 Pan Hd.) (Choke Bracket) (Sems)
15-A270	1	Screw - (#8-32 x 5/16) (Choke Clip) (Sems)
16-4	1	Gasket - Float Valve Seat
16-449	1	Gasket - Main Nozzle
16-80	1	Gasket - Throttle Body to Bowl
16-613	1	Gasket Assembly - Service
24-A3	1	Spring - Choke Lever
24-262	1	Spring - Throttle Stop Screw
24-340	1	Spring - Idle Needle
24-425	1	Spring - Choke Fly Flapper
26-861	1	Choke Shaft & Lever Assembly
27-539	1	Choke Fly Assembly
28-49	1	Swivel Choke Shaft
29-81	1	Choke Bracket Clip
29-123	1	Choke Bracket
29-551	1	Choke Bracket & Clip Assembly
30-600	1	Float & Lever Assembly
32-27	1	Shaft - Float Lever
43-33	1	Needle - Idle Adjusting
44-38	1	Packing - Choke Shaft
44-63	1	Packing - Throttle Shaft
46-467	1	Venturi - (11/16 Diameter Throat)
47-490	1	Nozzle
49-101-L	1	Jet - Idle
49-269	1	Jet - Power
55-230	1	Cup - Throttle Shaft
55-231	1	Retainer - Throttle Shaft Packing
62-167	1	Pin - Throttle Stop
67-528	1	Gasoline Connection Assembly
80-169	1	Plug - Channel
80-171	1	Drill Plug - Idle Drilling
82-16	1	Cotter Key (Choke Shaft)
99-7	1	Pipe Plug
179-11	1	Expansion Plug
227-1608	1	Throttle Body Assembly
233-536	1	Float Valve, Seat & Gasket Assembly - Matched
286-1245	1	Repair Kit

