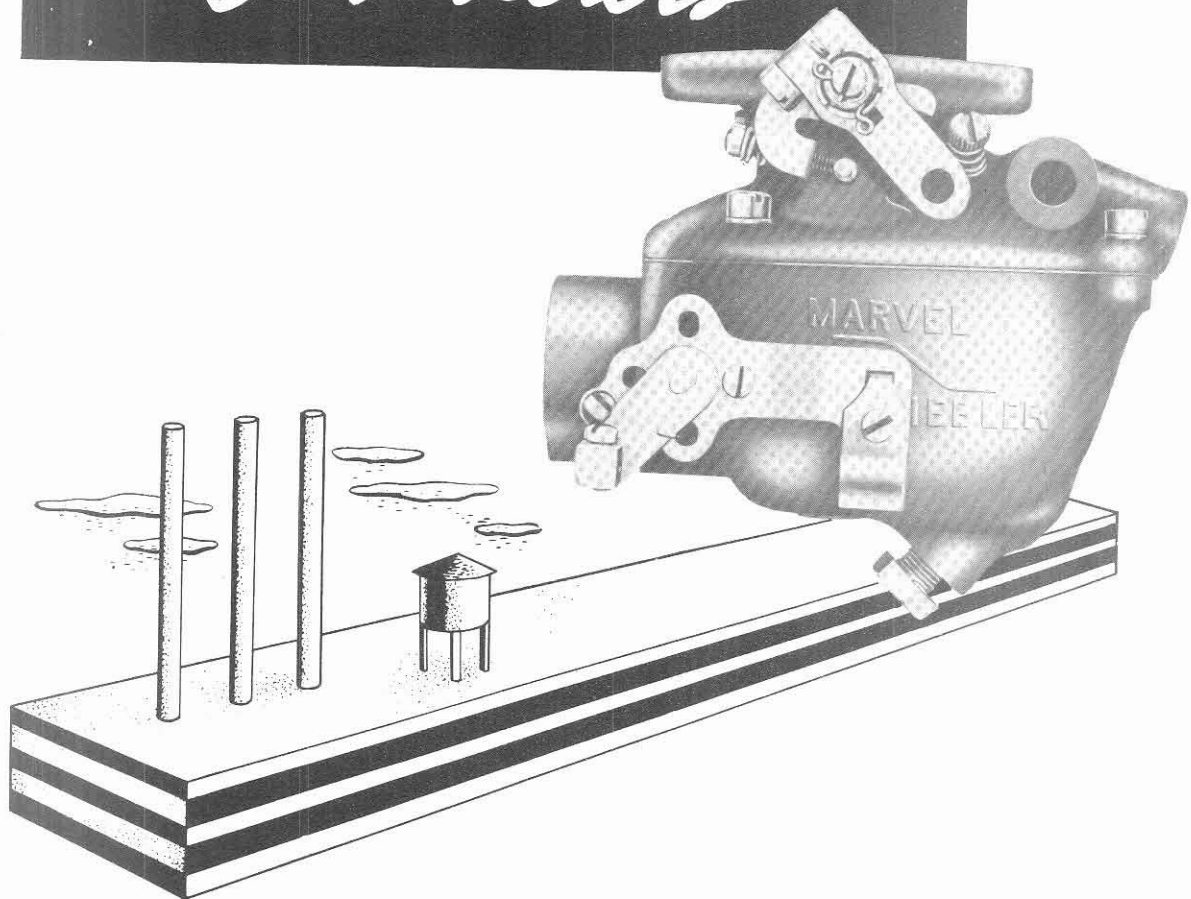


SECTION II
INGERSOLL-RAND ENGINES
TSX SERIES

INDUSTRIAL

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 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.

INGERSOLL-RAND — INDUSTRIAL CARBURETERS

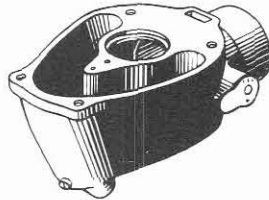
ISSUED JULY 1952

Model Application	Engine	Carburetor Number	Carburetor Part No.	Fuel	Superseded By	Customer Part No.	◆Repair Kit No.	§Gasket Kit No.	Float Valve & Seat Assy
R-105	Cont. F-162	TSX-465	10-3502	Gasoline			286-965	16-592	233-536

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

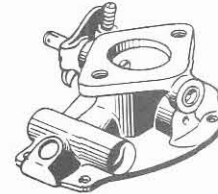
§ The flange gasket can be supplied separately. Specify the carburetor number when ordering.

BASIC SUBASSEMBLIES



CARBURETOR BODY ASSY

Carburetor Number	Part Number
TSX-465	10-3503



THROTTLE BODY & SHAFT ASSY

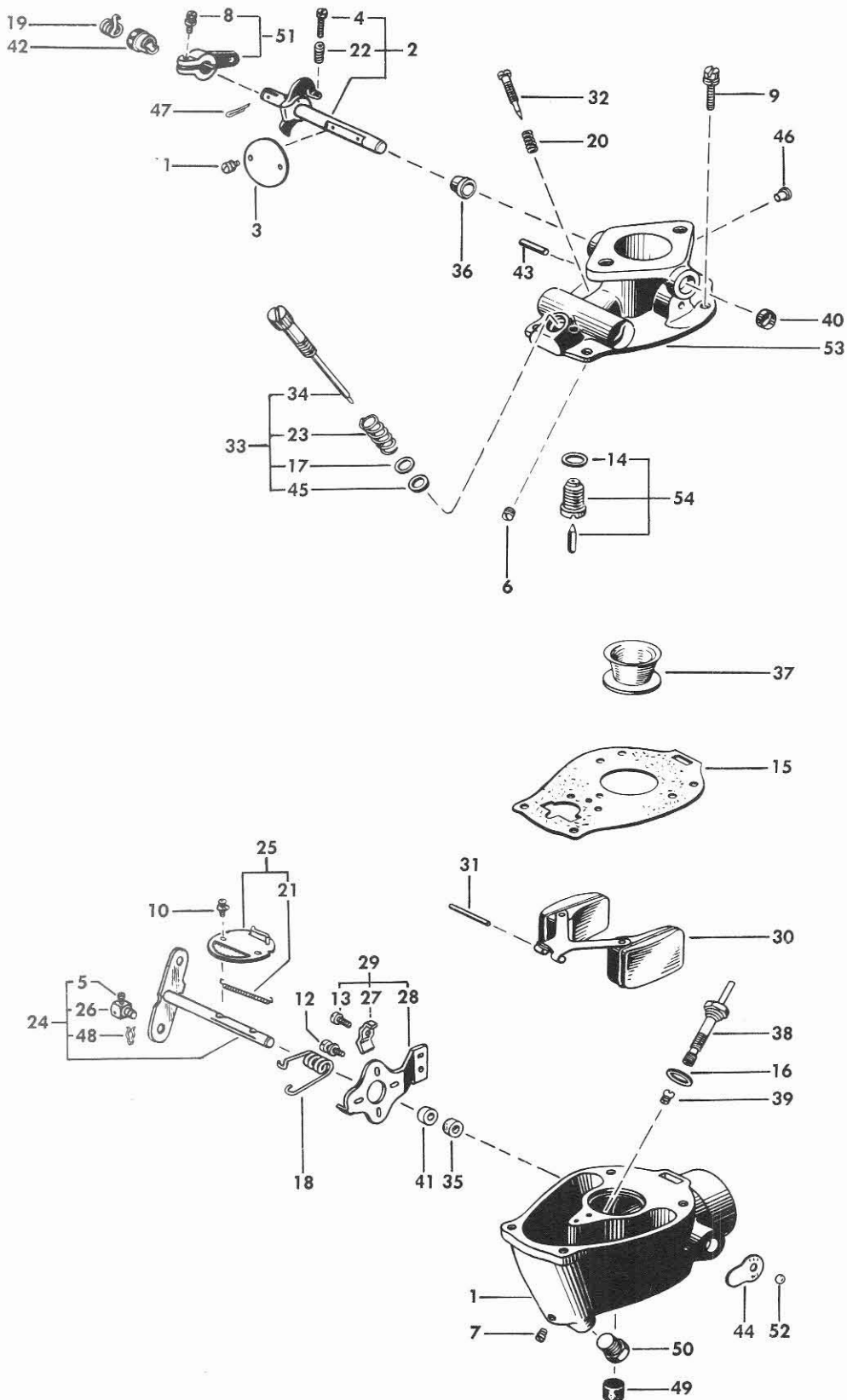
Carburetor Number	Part Number
TSX-465	227-1256

INGERSOLL-RAND

Ref. No.	Part Name	Part No.	TSX-465
1	Body Assy — Carburetor	(See Basic Subassy)	1
2	Shaft & Stop Assy — Throttle	13-1064	1
3	Valve — Throttle (15°)	14-175	1
4	Screw — Throttle Stop (No. 8-32 x 5/8)	15-118	1
5	Screw — Choke Swivel (No. 8-32 x 5/16)	15-285	1
6	Screw — Drill Plug, Idle Passage	15-392	1
7	Screw — Drill Plug, Nozzle Hole (No. 8-32)	15-409	1
8	Screw & Lock Washer Assy — Governor Lever Clamp (No. 12-24 x 5/8)	15-A82	1
9	Screw & Lock Washer Assy — Throttle Body to Bowl (No. 12-24 x 5/8)	15-A82	4
10	Screw & Lock Washer Assy — Choke Valve (No. 4-40 x 1/4)	15-A91	2
11	Screw & Lock Washer Assy — Throttle Valve (No. 4-40 x 1/4)	15-A91	2
12	Screw & Lock Washer Assy — Choke Bracket to Body (No. 8-32 x 3/8)	15-A93	1
13	Screw & Lock Washer Assy — Choke Bracket (No. 8-32 x 5/16)	15-A99	1
14	Gasket — Float Valve Seat	16-4	1
15	Gasket — Throttle Body to Bowl	16-80	1
16	Gasket — Main Nozzle	16-449	1
17	Gasket — Power Adjusting Needle	16-491	1
18	Spring — Choke Return	24-153	1
19	Spring — Governor Lever Tension	24-281	1
20	Spring — Idle Needle	24-340	1
21	Spring — Choke Valve Flapper	24-425	1
22	Spring — Throttle Stop Screw	24-485	1
23	Spring — Power Adjusting Needle	24-A1	1
24	Shaft & Lever Assy — Choke	26-784	1

INGERSOLL-RAND — INDUSTRIAL

TSX-465



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

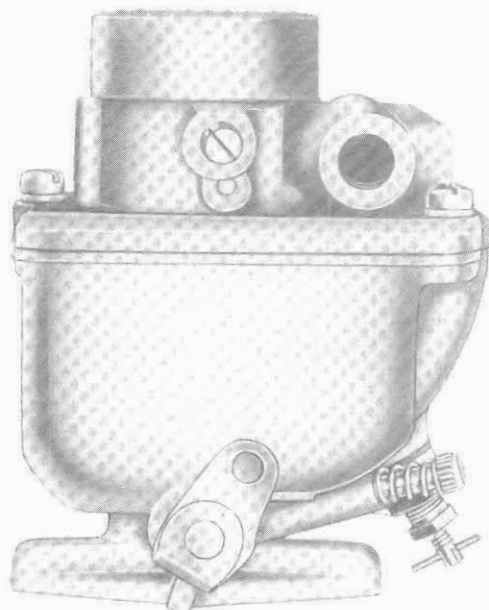
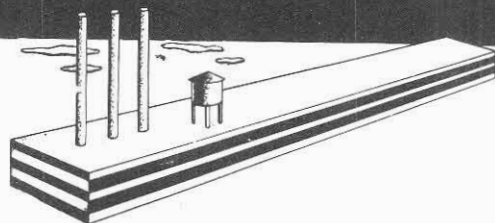
INGERSOLL-RAND				TSX-465
Ref. No.	Part Name	Part No.		
25	Valve Assy — Choke	27-539		1
26	Swivel — Choke Lever	28-49		1
27	Clip — Choke Bracket	29-81		1
28	Bracket — Choke	29-86		1
29	Bracket Assy — Choke	29-520		1
30	Float & Lever Assy	30-600		1
31	Shaft — Float Lever	32-27		1
32	Needle — Idle Adjusting	43-159		1
33	Needle Assy — Power Adjusting (complete)	43-619		1
34	Needle Assy — Power Adjusting	43-627		1
35	Packing — Choke Shaft	‡ 44-39		1
36	Packing — Throttle Shaft	44-63		1
37	Venturi (23/32" Diameter Throat)	46-476		1
38	Nozzle Assy — Main	47-685		1
39	Jet — Power	49-204		1
40	Cup — Throttle Shaft	55-230		1
41	Retainer — Choke Shaft Packing	55-243		1
42	Bushing — Governor Lever	60-257		1
43	Pin — Throttle Stop	62-167		1
44	Plate — Numbering	(Specify TSX Number)		1
45	Washer — Flat, Power Adjusting Needle	78-299		1
46	Plug — Idle Drilling	80-171		1
47	Pin — Cotter (Governor Spring Tension)	82-14		1
48	Cotter — Hairpin (Choke Swivel)	82-16		1
49	Strainer — Fuel Drain	95-78		1
50	Plug — Bowl Drain	99-7		1
51	Lever Assy — Governor	155-563		1
52	Ball — Numbering Plate	206-36		1
53	Body & Shaft Assy — Throttle	(See Basic Subassy)		1
54	Valve & Seat Assy — Float	233-536		1

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

SECTION II
INGERSOLL-RAND ENGINES
VD SERIES

INDUSTRIAL

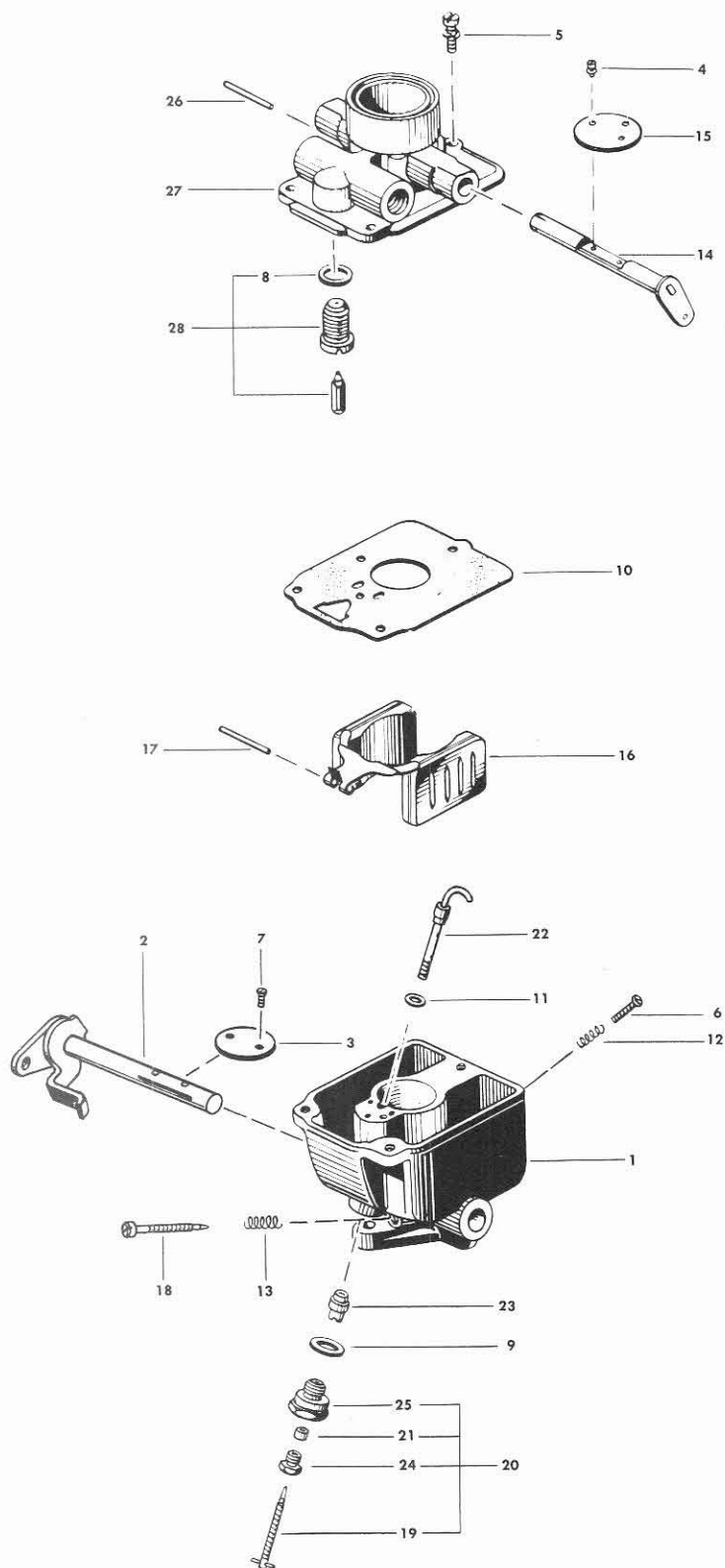
Carbureters



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

INGERSOLL-RAND — INDUSTRIAL

VD-12 to VD-46



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

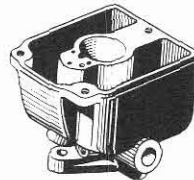
INGERSOLL-RAND — INDUSTRIAL CARBURETERS

ISSUED JULY 1952

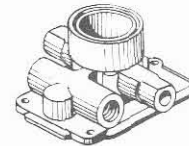
Model Application	Engine	Carburetor Number	Carburetor Part No.	Fuel	Superseded by	Customer Part No.	◆Repair Kit No.	§Gasket Kit No.	Float Valve & Seat Assy
30 Foot Air Compressor ...	3R30	VD-12	10-3145	Gasoline			286-821	16-631	233-570
36 Foot Air Compressor ...	3R36	VD-46	10-3433	Gasoline			286-958	16-631	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
VD-12	10-3147
VD-46	10-3147

**CHOKE SLEEVE ASSY**

Carburetor Number	Part Number
VD-12	102-589
VD-46	102-593

INGERSOLL-RAND

Ref. No.	Part Number	Part No.	VD-12	VD-46
1	Body Assy — Carburetor	(See Basic Subassy)	1	1
2	Shaft, Stop & Lever Assy — Throttle	13-977	1	1
3	Valve — Throttle (15°)	14-207	1	1
4	Screw & Lock Washer Assy — Choke Valve (No. 4-40 x 3/16) ...	15-A47	2	2
5	Screw & Lock Washer Assy — Bowl Cover (No. 10-24 x 1/2) ...	15-A50	3	3
6	Screw — Throttle Stop (No. 6-32 x 3/4)	15-A68	1	1
7	Screw — Throttle Valve (No. 4-40 x 1/4)	15-A102	2	2
8	Gasket — Float Valve Seat	16-4	1	1
9	Gasket — Power Adjusting Needle Retainer	16-4	1	1
10	Gasket — Throttle Body to Bowl	16-A86	1	1
11	Gasket — Main Nozzle	16-A93	1	1
12	Spring — Throttle Stop Screw	24-A69	1	1
13	Spring — Idle Needle	24-A136	1	1
14	Shaft & Lever Assy — Choke	26-739	1	1
15	Valve — Choke	27-191	1	1
16	Float & Lever Assy	30-662	1	1
17	Shaft — Float	32-38	1	1
18	Needle — Idle	43-129	1	1
19	Needle Assy — Power Adjusting	43-596	1	1
20	Needle Assy — Power Adjusting (complete)	43-599	1	1
21	Packing — Power Adjusting Needle	44-51	1	1
22	Nozzle Assy — Main	47-716	1	1
23	Nut — Power Jet & Nozzle Retainer	49-336	1	—
		49-350	—	1
24	Retainer — Power Adjusting Needle Packing	55-285	1	1
25	Retainer — Power Adjusting Needle	55-286	1	1
26	Pin — Choke Stop	71-37	1	1
27	Sleeve Assy — Choke	(See Basic Subassy)	1	1
28	Valve & Seat Assy — Float	233-536	—	1
		233-570	1	—

