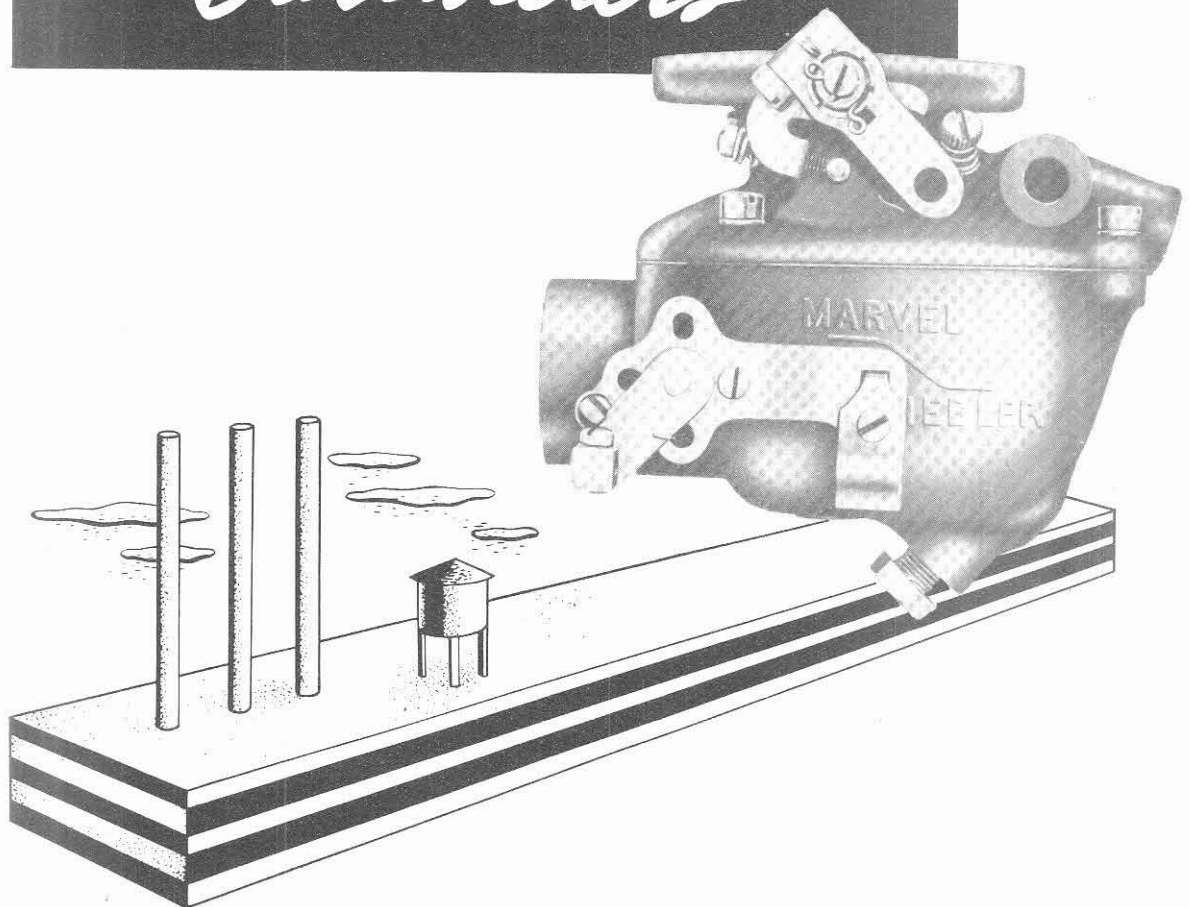


SECTION II
HERCULES ENGINES
TSX SERIES

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.

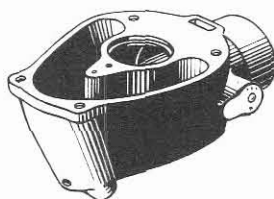
HERCULES — INDUSTRIAL CARBURETERS

ISSUED JULY 1952

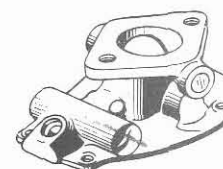
Model Application	Engine	Carbureter Number	Carbureter Part No.	Fuel	Superseded by	Customer Part No.	◆Repair Kit No.	§Gasket Kit No.	Float Valve & Seat Assy
Industrial	IXB-3	TSX-44	10-2056	Gasoline		28695-CS	286-606	16-590	233-536
Industrial	IXB-5	TSX-290	10-3084	Gasoline		38615-CS	286-798	16-597	233-536
Power Unit & Gibson Tractor	QXC-5	TSX-369	10-3280	Kerosene		49643-CS	286-909	16-594	233-543
Dunbar-Kapple Power Unit	IXB	TSX-388	10-3318	Gasoline		38658-CS	286-884	16-590	233-536
Industrial Power Plant	JX4-D	TSX-441	10-3420	Gasoline		155623-CS	286-952	16-594	233-543
Industrial Power Unit	IXB	TSX-455	10-3444	Gasoline		39528-CS	286-978	16-590	233-536
Industrial Power Unit	JX4-D	TSX-457	10-3438	Gasoline		155627-CS	286-993	16-594	233-543
Industrial	JX4-D	TSX-467	10-3469	Gasoline		155631-CS	286-983	16-594	233-543
Industrial	JX4-D	TSX-488	10-3529	Kerosene		155636-CS	286-984	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 carbureter number when ordering.

BASIC SUBASSEMBLIES**CARBURETER BODY ASSY**

Carbureter Number	Part Number
TSX-44	10-2057
TSX-290	10-3085
TSX-369	10-3295
TSX-388	10-3324
TSX-441	10-3421
TSX-455	10-3445
TSX-457	10-3439
TSX-467	10-3421
TSX-488	10-3421

**THROTTLE BODY & SHAFT ASSY**

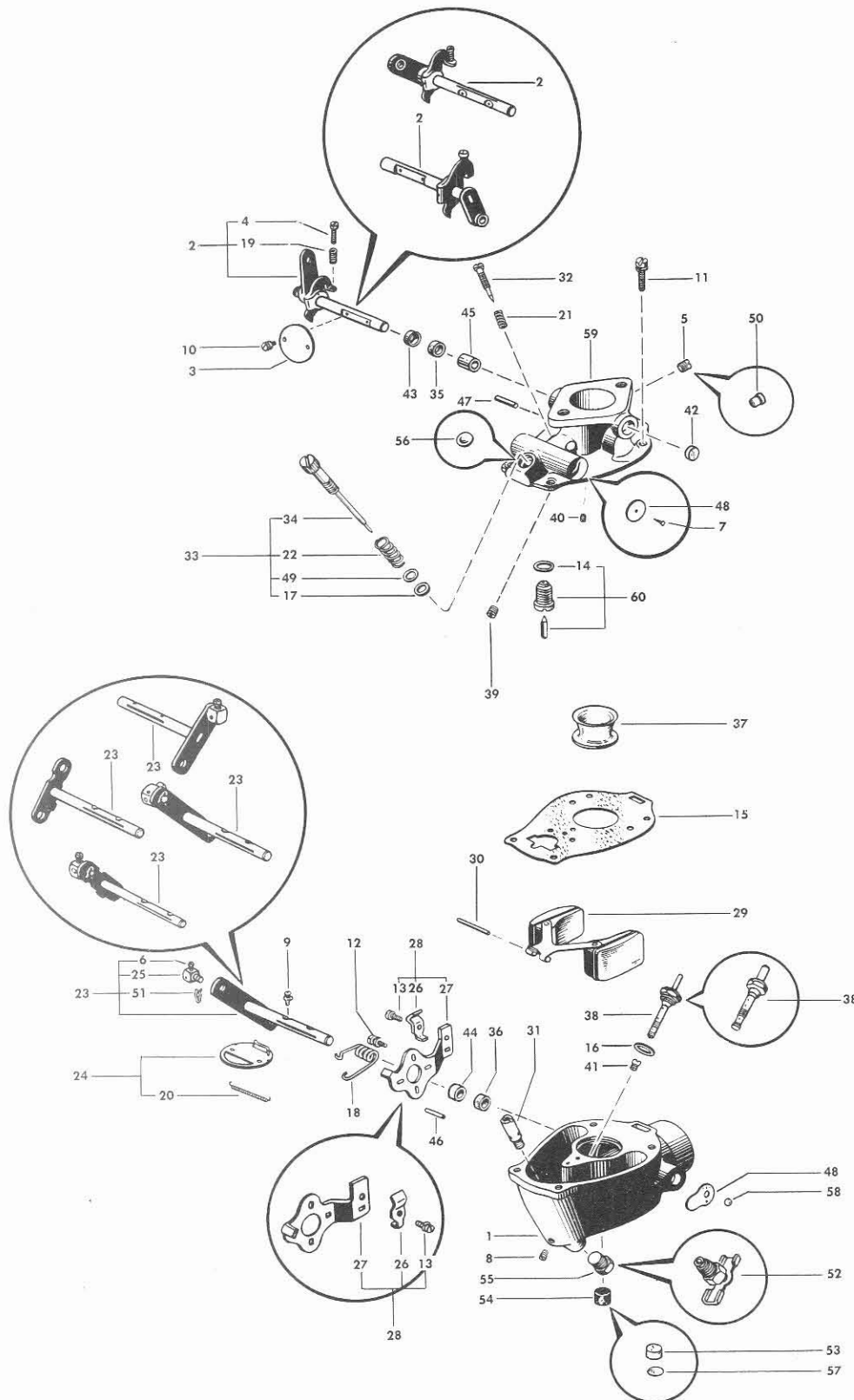
Carbureter Number	Part Number
TSX-44	227-668
TSX-290	227-1100
TSX-369	227-1176
TSX-388	227-1194
TSX-441	227-1238
TSX-455	227-1194
TSX-457	227-1243
TSX-467	227-1238
TSX-488	227-1265

HERCULES

Ref. No.	Part Name	Part No.	TSX-44	TSX-290	TSX-369	TSX-388	TSX-441	TSX-455	TSX-457	TSX-467	TSX-488
1	Body Assy — Carbureter	(See Basic Subassy)	1	1	1	1	1	1	1	1	1
2	Shaft, Stop & Lever Assy — Throttle	13-783	1	1	1	1	1	1	1	1	1
		13-1015	1	1	1	1	1	1	1	1	1
		13-1051	1	1	1	1	1	1	1	1	1
3	Valve — Throttle (22°)	14-163	1	1	1	1	1	1	1	1	1
	(20°)	14-169	1	1	1	1	1	1	1	1	1
4	Screw — Throttle Stop	15-42	1	1	1	1	1	1	1	1	1
5	Screw — Idle Drilling (Headless, 1/4-28)	15-223	1	1	1	1	1	1	1	1	1
	(Headless, 5/16-24)	15-274	1	1	1	1	1	1	1	1	1
6	Screw — Choke Swivel (No. 8-32 x 5/16)	15-285	1	1	1	1	1	1	1	1	1
7	Screw — Drive, Numbering Plate (No. 2 x 1/4)	15-343	1	1	1	1	1	1	1	1	1
8	Screw — Drill Plug, Nozzle Hole (No. 8-32)	15-409	1	1	1	1	1	1	1	1	1

HERCULES — INDUSTRIAL

TSX-44 to TSX-488



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

HERCULES			TSX-44	TSX-290	TSX-369	TSX-388	TSX-441	TSX-455	TSX-457	TSX-467	TSX-488
Ref. No.	Part Name	Part No.									
9	Screw & Lock Washer Assy — Choke Valve										
	(No. 6-32 x 1/4)	15-483	—	—	2	—	2	—	2	2	2
	(No. 4-40 x 1/4)	15-A91	2	2	—	2	—	2	—	—	—
10	Screw & Lock Washer Assy — Throttle Valve										
	(No. 6-32 x 1/4)	15-483	—	—	—	—	—	—	2	—	—
	(No. 6-32 x 5/16)	15-A64	—	—	2	—	2	—	—	2	2
	(No. 4-40 x 1/4)	15-A91	2	2	—	2	—	2	—	—	—
11	Screw & Lock Washer Assy — Throttle Body to Bowl										
	(No. 12-24 x 5/8)	15-A82	4	4	—	4	—	4	—	—	—
	(No. 12-24 x 3/4)	15-A85	—	—	4	—	4	—	4	4	4
12	Screw & Lock Washer Assy — Choke Bracket to Body										
	(No. 8-32 x 3/8)	15-A93	—	—	2	1	2	—	2	2	2
13	Screw & Lock Washer Assy — Choke Bracket										
	(No. 8-32 x 5/16)	15-A99	—	—	1	1	1	—	1	1	1
14	Gasket — Float Valve Seat	16-4	1	1	1	1	1	1	1	1	1
15	Gasket — Throttle Body to Bowl	16-80	1	1	—	1	—	1	—	—	—
		16-A12	—	—	1	—	1	—	1	1	1
16	Gasket — Main Nozzle	16-449	1	1	—	1	—	1	—	—	—
		16-492	—	—	1	—	1	—	1	1	1
17	Gasket — Power Adjusting Needle	16-491	—	1	1	—	1	—	1	1	1
18	Spring — Choke Return	24-213	—	—	1	—	1	—	—	—	1
		24-218	1	1	—	—	—	1	—	—	—
		24-247	—	—	—	1	—	—	—	—	—
		24-A3	—	—	—	—	—	1	—	—	—
19	Spring — Throttle Stop Screw	24-262	1	1	1	1	1	1	1	1	1
20	Spring — Choke Valve Flapper	24-292	—	—	1	—	1	—	1	1	1
		24-425	1	1	—	1	—	1	—	—	—
21	Spring — Idle Needle	24-340	1	1	1	1	1	1	1	1	1
22	Spring — Power Adjusting Needle	24-A1	—	1	1	—	1	—	1	1	1
23	Shaft & Lever Assy — Choke	26-635	1	1	—	—	—	1	—	—	—
		26-697	—	—	—	—	—	—	1	1	—
		26-748	—	—	1	—	—	—	—	—	1
		26-757	—	—	—	1	—	—	—	—	—
24	Valve Assy — Choke	27-539	1	1	—	1	—	1	—	—	—
		27-548	—	—	1	—	1	—	1	1	1
25	Swivel — Choke Lever	28-49	—	—	1	1	1	—	1	1	1
26	Clip — Choke Bracket	29-81	—	—	1	1	1	—	1	1	1
27	Bracket — Choke	29-93	—	—	—	—	—	—	1	—	—
		29-95	—	—	1	—	1	—	—	1	1
		29-104	—	—	—	1	—	—	—	—	—
28	Bracket Assy — Choke	29-521	—	—	1	—	1	—	—	1	1
		29-524	—	—	—	—	—	—	1	—	—
		29-528	—	—	1	—	1	—	—	1	1
29	Float & Lever Assy	30-600	1	1	—	1	—	1	—	—	—
		30-621	—	—	1	—	1	—	1	1	1
30	Shaft — Float Lever	32-16	—	—	1	—	1	—	1	1	1
		32-27	1	1	—	1	—	1	—	—	—
31	Seat — Power Adjusting Needle	36-297	—	—	1	—	1	—	1	1	1
32	Needle — Idle Adjusting	43-33	1	1	—	1	—	1	—	—	—
		43-58	—	—	1	—	1	—	1	1	1
33	Needle Assy — Power Adjusting (complete)	43-620	—	—	1	—	1	—	1	1	1
		43-641	—	1	—	—	—	—	—	—	—
34	Needle Assy — Power Adjusting	43-628	—	1	—	—	—	—	—	—	—
		43-631	—	—	1	—	1	—	1	1	1
35	Packing — Throttle Shaft	44-35	—	—	1	1	1	—	1	1	1
		† 44-38	1	1	—	—	—	—	—	—	—
		44-63	—	—	—	—	—	1	—	—	—

HERCULES — INDUSTRIAL

TSX-44 to TSX-488

HERCULES			TSX-44	TSX-290	TSX-369	TSX-388	TSX-441	TSX-455	TSX-457	TSX-467	TSX-488
Ref. No.	Part Name	Part No.									
36	Packing — Choke Shaft	† 44-38	-	-	1	-	1	-	1	1	1
		‡ 44-39	1	1	-	1	-	1	-	-	-
37	Venturi (11/16" Diameter Throat)	46-467	1	1	-	-	-	-	-	-	-
	(23/32" Diameter Throat)	46-476	-	-	-	1	-	1	-	-	-
	(15/16" Diameter Throat)	46-495	-	-	-	-	1	-	1	1	1
	(27/32" Diameter Throat)	46-A9	-	-	1	-	-	-	-	-	-
38	Nozzle — Main	47-218	-	-	1	-	-	-	-	-	-
		47-221	-	-	-	-	1	-	1	1	1
		47-257	-	-	-	1	-	1	-	-	-
	Nozzle Assy — Main	47-589	1	1	-	-	-	-	-	-	-
39	Jet — Idle	49-101-L	1	1	1	1	1	1	1	1	1
40	Jet — Economizer	49-163	1	1	-	-	-	-	-	-	-
		49-226	-	-	1	1	-	1	-	-	-
41	Jet — Power	49-164	-	-	-	-	-	-	-	-	1
		49-171	1	-	-	-	-	-	-	-	-
		49-191	-	1	-	-	-	-	-	-	-
		49-208	-	-	-	1	-	1	-	-	-
		49-216	-	-	1	-	-	-	-	-	-
		49-301	-	-	-	-	1	-	1	1	-
42	Cup — Throttle Shaft	55-214	-	-	1	-	1	-	1	1	1
		55-230	1	1	-	1	-	1	-	-	-
43	Retainer — Throttle Shaft Packing	55-216	-	-	1	-	1	-	1	1	1
		55-231	1	1	-	1	-	-	-	-	-
44	Retainer — Choke Shaft Packing	55-243	1	1	-	1	-	1	-	-	-
45	Bushing — Throttle Shaft	60-260	-	-	2	-	2	-	2	2	2
46	Pin — Choke Stop	62-167	1	1	-	-	-	1	-	-	-
47	Pin — Throttle Stop	62-167	1	1	1	1	1	1	1	1	1
48	Plate — Numbering	(Specify TSX Number)	1	1	1	1	1	1	1	1	1
49	Washer — Flat, Power Adjusting Needle	78-299	-	1	1	-	1	-	1	1	1
50	Plug — Idle Drilling	80-171	-	-	-	-	-	1	-	-	-
51	Cotter — Hairpin (Choke Swivel)	82-16	-	-	1	1	1	-	1	1	1
52	Cock — Drain	87-3A	-	-	1	-	-	-	-	-	1
53	Strainer — Fuel Drain	*95-40	1	1	-	-	-	-	-	-	-
54	Strainer — Fuel Drain	*95-78	1	1	1	1	1	1	1	1	1
55	Plug — Bowl Drain	99-7	1	1	-	1	1	1	1	1	-
56	Plug — Expansion	179-11	-	-	-	1	-	1	-	-	-
57	Plug — Expansion, Bowl Drain	*179-35	1	1	-	-	-	-	-	-	-
58	Ball — Numbering Plate	206-36	1	-	-	1	-	1	-	-	-
59	Throttle Body & Shaft Assy	(See Basic Subassy)	1	1	1	1	1	1	1	1	1
60	Valve & Seat Assy — Float	233-536	1	1	-	1	-	1	-	-	-
		233-543	-	-	1	-	1	-	1	1	1

† 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.

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

General Industrial		Hercules Motors Corp. #156612-CS	TSX-734
PART NO.	QUAN.	PART NAME	
10-3421	1	Carburetor Body Assembly	
13-1015	1	Throttle Shaft & Lever Assembly	
14-163	1	Throttle - Fly (22°) 3/64 Offset	
15-42	1	Screw (#8-32 x 3/4 Fill. Head) (Throttle Stop)	
15-274	1	Screw (5/16-24 Headless Plug)	
15-285	2	Screw (#8-32 x 5/16) (Choke Bracket Clip) (Choke Swivel)	
15-483	2	Screw (#6-32 x 1/4 Fill. Head) (Choker Fly -2)	
15-A64	2	Screw (#6-32 x 5/16 Fill. Head) (Throttle Fly)	
15-A85	4	Screw (#12-24 x 3/4 Fill. Head) (Throttle Body to Bowl)	
15-A93	2	Screw (#8-32 x 3/8 Fill. Head) (Choke Bracket)	
16-4	1	Gasket - Float Valve Seat	
16-492	1	Gasket - Nozzle	
16-A12	1	Gasket - Throttle Body to Bowl	
16-594	1	Gasket Assembly - Service	
24-213	1	Spring - Choker Return	
24-262	1	Spring - Throttle Stop Screw	
24-340	1	Spring - Idle Needle	
26-748	1	Choker Shaft & Lever Assembly	
27-548	1	Choker Fly Assembly	
28-49	1	Swivel - Choker	
29-81	1	Clip - Choke Bracket	
29-95	1	Bracket - Choker	
29-521	1	Choker 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	
44-35	1	Packing - Throttle Shaft	
44-38	1	Packing - Choke Shaft	
46-495	1	Venturi (15/16 Throat)	
47-221	1	Nozzle - Main	
49-101-L	1	Jet - Idle	
49-217	1	Jet - Power	
55-214	1	Cup - Throttle Shaft	
55-216	1	Retainer - Throttle Shaft Packing	
60-260	2	Bushing - Throttle Shaft	
62-167	1	Pin - Throttle Stop	
82-16	1	Cotter Pin (Choker Swivel)	
99-7	1	Plug - Bowl Drain	
179-11	1	Expansion Plug	
227-1519	1	Throttle Body & Bowl Cover Assembly	
233-543	1	Float Valve, Seat & Gasket Assembly Matched	
43-620	1	High Speed Needle Assembly	
286-1186		Repair Kit	

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

Gen. Industrial		Hercules Motors Corp. #236611-C	Model TSX-776
PART NO.	QUAN.	PART NAME	
10-3904	1	Carburetor Body Assembly	
13-783	1	Throttle Shaft, Throttle Stop & Lever Assembly	
14-169	1	Fly - Throttle (20°)	
15-42	1	Screw (#8-32 x 3/4 Fillister Head) (Throttle Stop)	
15-409	1	Screw (#8-32 Drill Plug (Nozzle Hole)	
15-A82	4	Screw (#12-24 x 5/8 Fillister Head) (Throttle Body to Bowl) Sems	
15-A91	2	Screw (#4-40 x 1/4 Binding Head) (Throttle Fly) Sems	
15-A91	2	Screw (#4-40 x 1/4 Binding Head) (Choke Fly) Sems	
15-A93	1	Screw (8-32 x 3/8 Fillister Head) (Choke Bracket to Bowl)	
15-A270	1	Screw (#8-32 x 5/16 Hex. Hd.) (Choke Bracket to Clip)	
15-A255	2	Screw (#10-32 x 3/8 Oval Head) (Auto Choke to Adapter)	
16-4	1	Gasket (Float Valve Seat)	
16-80	1	Gasket (Throttle Body to Bowl)	
16-449	1	Gasket (Main Nozzle)	
16-590	1	Gasket Assembly (Service)	
24-262	1	Spring (Throttle Stop Screw)	
24-340	1	Spring (Idle Needle)	
24-425	1	Spring (Choke Fly Flapper)	
26-826	1	Choke Shaft & Lever Assembly	
27-539	1	Choke Fly Assembly	
28-108	1	Swivel - Choke Lever	
29-81	1	Clip - Choke Bracket	
29-92	1	Bracket - Choke	
29-555	1	Choke Bracket Assembly	
30-600	1	Float & Lever Assembly	
32-27	1	Shaft - Float Lever	
43-33	1	Needle - Idle Adjusting	
44-63	1	Packing (Throttle Shaft)	
46-476	1	Venturi (23/32) Diameter Throat	
47-257	1	Nozzle	
49-101-L	1	Jet - Idle	
49-180	1	Economizer Jet	
49-208	1	Jet - Power	
55-230	1	Cup - Throttle Shaft	
55-231	1	Retainer (Throttle Shaft Packing)	
62-167	1	Pin - Throttle Stop	
62-247	1	Pin - Choke Fly Stop	
80-171	1	Drill Plug Idle Drilling	
82-16	1	Cotter Pin - Choke Swivel	
99-7	1	Plug (Bowl Drain)	
110-216	1	Adapter (Choke)	
179-11	1	Plug (Expansion - Throttle Body)	
227-1642	1	Throttle Body Assembly	
233-536	1	Float Valve, Seat & Gasket Assembly (Matched)	
299-506	1	Automatic Choke Assembly (12 volt)	
286-1268		Repair Kit	

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

Hercules Mtrs. #GO-198A

TSX-824

PART NO.	QUAN.	PART NAME
10-4486	1	Carbureter Body Assembly
13-1331	1	Throttle Shaft & Lever Assembly
14-163	1	Throttle Fly (22°) 3/64 Offset
15-42	1	Screw (#8-32 x 3/4) Fillister Head (Throttle Stop)
15-274	1	Screw (#5/16-24 x 5/32) Headless Plug
15-285	1	Screw (#8-32 x 6/15) Slot. Hex Hd. (Choke Swivel)
15-483	4	Screw (#6-32 x 1/4) Bind. Hd. (Choke Fly-2)(Thr. Fly-2)
15-A85	4	Screw (#12-24 x 3/4) Fill. Hd. Sems (Thr. Body to Bowl)
15-A93	2	Screw (#8-32 x 3/8) Pan Hd. Sems (Choke Bracket)
15-A270	1	Screw (#8-32 x 5/16) Slot. Hex Hd. Sems (Choke Bkt. Clip)
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
24-213	1	Spring - Choke Return
24-262	1	Spring - Throttle Stop Screw
24-292	1	Spring - Fly Flapper
24-340	1	Spring - Idle Needle
24-A446	1	Spring - Throttle Stop
26-748	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
44-38	1	Packing - Choke Shaft
44-65	1	Packing - Throttle Shaft
46-495	1	Venturi (15/16 Throat)
47-321	1	Nozzle - Main
49-101-J	1	Jet - Idle
49-188	1	Jet - Power
55-214	1	Cup - Throttle Shaft
55-216	1	Retainer - Throttle Shaft Packing
60-260	2	Bushing - Throttle Shaft
82-16	1	Cotter Pin (Choke Swivel)
99-7	1	Plug - Drain
179-11	1	Expansion Plug
227-1738	1	Thr. Body & Bowl Cover Assembly
233-543	1	Float Valve, Seat & Gasket Assembly - Matched
286-1360		Repair Kit

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

Hercules Motors #236616-C

TSX-841

PART NO.	QUAN.	PART NAME
10-4537	1	Carbureter Body Assembly
13-783	1	Throttle Shaft, Throttle Stop & Lever Assembly
14-169	1	Fly - Throttle (20°)
15-42	1	Screw (#8-32 x 3/4) Fill. Hd. (Throttle Stop)
15-285	1	Screw (#8-32 x 5/16) Slotted Hex Hd. (Choke Swivel)
15-409	1	Screw (#8-32 x 1/8) Drill Plug (Nozzle Hole)
15-A82	4	Screw (#12-24 x 5/8) Fill. Hd. SEMS (Thr. Body to Bowl)
15-A91	4	Screw (#4-40 x 1/4) Binding Hd. SEMS (Thr. Fly-2)(Choke Fly-2)
15-A93	1	Screw (#8-32 x 3/8) Pan Hd. SEMS (Choke Bracket to Bowl)
15-B20	1	Screw (#12-28 x 1/2) Hex Hd. SEMS (Choke Bracket Clip)
16-4	1	Gasket - Float Valve Seat
16-80	1	Gasket - Throttle Body to Bowl
16-449	1	Gasket - Main Nozzle
16-708	1	Gasket Assortment
24-262	1	Spring - Throttle Stop Screw
24-340	1	Spring - Idle Needle
24-425	1	Spring - Choke Fly Flapper
25-670	1	Choke Lever Assembly - Complete
26-880	1	Choke Shaft & Lever Assembly
27-539	1	Choke Fly Assembly
28-108	1	Swivel - Choke Lever
29-175	1	Clip - Choke Bracket
29-572	1	Choke Bracket Assembly
30-600	1	Float & Lever Assembly
32-27	1	Shaft - Float Lever
43-33	1	Needle - Idle Adjusting
44-63	1	Packing - Throttle Shaft
46-476	1	Venturi - 23/32 Diameter Throat
47-180	1	Nozzle
49-101-L	1	Jet - Idle
49-180	1	Economizer Jet
49-208	1	Jet - Power
55-230	1	Cup - Throttle Shaft
55-231	1	Retainer - Throttle Shaft Packing
62-167	1	Pin - Throttle Stop
62-247	1	Pin - Choke Fly Stop
62-427	1	Pin - Choke Lever
78-A75	1	Washer - Choke Bracket Stud
80-171	1	Drill Plug - Idle Drilling
82-16	1	Cotter Pin - Choke Swivel
99-7	1	Plug - Bowl Drain
179-11	1	Plug - Expansion - Throttle Body
227-1763	1	Throttle Body Assembly
233-536	1	Float Valve, Seat & Gasket Assembly - Matched
299-507	1	Automatic Choke Assembly - (12 Volt) (24 Volt)
286-1362		Repair Kit

TEMPORARY SERVICE PARTS LIST - INSERT IN THE PROPER SECTION OF YOUR MANUAL		
		Hercules #255633-C
		TSX-845
PART NO.	QUAN.	PART NAME
10-4553	1	Carbureter Body Assembly
12-A439	1	Throttle Lever (Loose)
13-1093	1	Throttle Shaft & Lever Assembly
14-163	1	Throttle - Fly (22°) (3/64 Offset)
15-42	1	Screw (#8-32 x 3/4) 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 Hd.) (Choke Swivel)
15-483	4	Screw (#6-32 x 1/4) Binding Head SEMS (Choke Fly-2)(Thr. Fly-2)
15-A85	4	Screw (#12-24 x 3/4) Fill. Head SEMS (Throttle 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 (Governor Lever)
15-A297	1	Screw (#10-24 x 3/4) Slotted Hex Hd. Clevis Assembly
16-4	1	Gasket - Float Valve Seat
16-492	1	Gasket - Nozzle
16-A12	1	Gasket - Throttle Body to Bowl
16-640	1	Gasket Set
24-262	1	Spring - Throttle Stop Screw
24-340	1	Spring - Idle Needle
24-292	1	Spring - Choke Fly Flapper
24-A3	1	Spring - Choke Return
26-697	1	Choke Shaft & Lever Assembly
27-548	1	Choke Fly Assembly
28-49	1	Swivel - Choke
29-551	1	Choke Bracket & Clip Assembly
30-621	1	Float & Lever Assembly
32-16	1	Shaft - Float
36-297	1	Seat - Adjusting Needle
43-58	1	Needle - Idle Adjusting
44-38	1	Packing - Choke Shaft
44-65	2	Packing - Throttle Shaft
46-A1	1	Venturi (1" Throat)
47-316	1	Nozzle - Main
49-101-1	1	Jet - Idle
49-347	1	Jet - Power
55-216	2	Retainer - Throttle Shaft Packing
60-260	2	Bushing - Throttle Shaft
62-167	1	Pin - Throttle Stop
78-A4	1	Washer - Clevis
81-1	1	Nut - Clevis
82-16	1	Cotter - Choke Swivel
99-7	1	Plug - Drain
121-511	1	Clevis Assembly
155-639	1	Governor Lever & Screw Ass'y.
179-11	1	Plug - Main Adjusting Needle Hole
227-1765	1	Throttle Body & Bowl Cover Ass'y.
233-543	1	Float Valve, Seat & Gasket Assembly Matched
286-1381	1	Repair Kit

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

Hercules Motors #236618

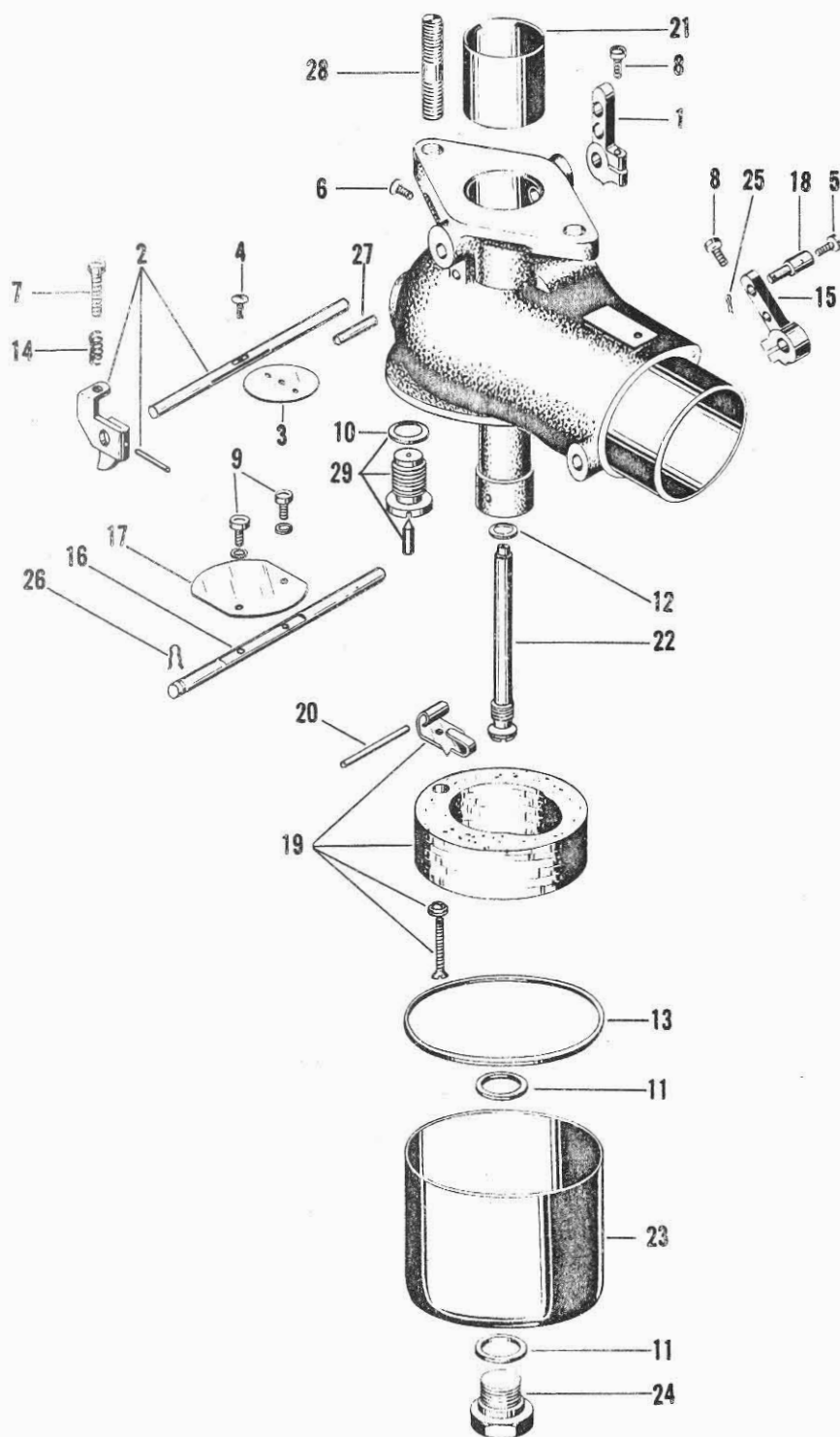
TSX-851

PART NO.	QUAN.	PART NAME
10-4597	1	Carbureter Body Assembly
12-903	1	Throttle Lever Assembly
13-1364	1	Throttle Shaft Assembly
14-169	1	Throttle Fly (20°)
15-42	1	Screw (#8-32 x 3/4) Fill. Head (Throttle Stop)
15-285	1	Screw (#8-32 x 5/16 Slotted Hex Hd.) (Choke Swivel)
15-409	1	Screw (Plug - Nozzle Drilling)
15-A82	4	Screw (#12-24 x 5/8) Fill. Head SEMS (Throttle Body to Bowl)
15-A91	4	Screw (#4-40 x 1/4) Binding Head (Choke Fly-2) SEMS(Thr. Fly-2)SEMS
15-A93	1	Screw (#8-32 x 3/8) SEMS Pan Head (Choke Bracket)
15-A270	1	Screw (#8-32 x 3/8) SEMS Slotted Hex Hd. (Choke Bracket)
15-A296	1	Screw (#12-24 x 5/8) SEMS Slotted Hex Hd. (Throttle Lever)
16-4	1	Gasket - (Float Valve Seat)
16-80	1	Gasket - (Throttle Body to Bowl)
16-449	1	Gasket - (Main Nozzle)
16-592	1	Gasket Assembly
24-153	1	Spring (Choke Return)
24-262	1	Spring - (Throttle Stop Screw)
24-340	1	Spring - (Idle Needle)
24-425	1	Spring - (Choke Fly Flapper)
26-888	1	Choke Shaft & Lever Assembly
27-539	1	Choke Fly Assembly
28-49	1	Choke Swivel
29-81	1	Choke Bracket Clip
29-104	1	Choke Bracket
29-544	1	Choke Bracket Assembly
30-600	1	Float & Lever Assembly
32-27	1	Float Lever Shaft
43-33	1	Idle Adjusting Needle
43-619	1	High Speed Needle Assembly Complete - (Service Only, Altitude Adj.)
44-39	1	Packing (Choke Shaft)
44-63	1	Packing (Throttle Shaft)
46-457	1	Venturi (25/32 Diameter Throat)
47-257	1	Nozzle Assembly
49-101-L	1	Jet (Idle)
49-145	1	Jet (Economizer)
49-208	1	Jet (Power)
55-230	1	Cup (Throttle Shaft)
55-231	1	Packing Retainer (Throttle Shaft)
55-243	1	Packing Retainer (Choke Shaft)
62-167	1	Pin (Throttle Stop)
80-167	1	Plug - Choke Shaft Drilling
80-171	1	Plug - (Idle Drilling)
82-16	1	Cotter Pin (Choke Swivel)
99-7	1	Plug (Bowl Drain)
179-11	1	Plug (Expansion)
227-1782	1	Throttle Body Assembly
233-536	1	Float Valve, Seat & Gasket Assembly (Matched)
286-1396		Repair Kit

TEMPORARY SERVICE PARTS LIST - INSERT IN THE PROPER SECTION OF YOUR MANUAL			
ZXB Hercules Engine & M. 5KW Generator		Motor Generator Corp.	TCX-39A
PART NO.	QUAN.	Ref.No.	PART NAME
12-847	1	1	Throttle Lever Assembly
13-711	1	2	Throttle Shaft Assembly
14-153	1	3	Throttle Fly
15-A91	1	4	Screw (#4-36 x $\frac{1}{4}$) (Throttle Fly)
15-52	1	5	Screw (#6-32 x $\frac{5}{16}$) (Choker Swivel)
15-114	1	6	Screw (#4-36 x $\frac{5}{16}$) (Venturi Lock)
15-118	1	7	Screw (#8-32 x $\frac{5}{8}$) (Throttle Stop Adj.)
15-A295	2	8	Screw (Throttle Lever Clamp-1) (Choker Lever Clamp-1)
15-483	2	9	Screw (#6-32 x $\frac{1}{4}$) (Choker Fly)
16-4	1	10	Gasket - Float Valve Seat
16-14	2	11	Gasket - Bowl Bottom End Inside and Out
16-28	1	12	Gasket - Main Nozzle
16-417	1	13	Gasket - Bowl (Top End)
16-582	1		Gasket Assortment
24-485	1	14	Spring - Throttle Stop
25-633	1	15	Choker Lever Assembly
26-218	1	16	Shaft - Choker
27-162	1	17	Fly - Choker
28-93	1	18	Swivel - Choker
30-570	1	19	Float & Lever Assembly
32-16	1	20	Shaft - Float Lever
46-498	1	21	Venturi ($\frac{1}{2}$ " Throat)
47-580	1	22	Nozzle Assembly
65-157	1	23	Float Bowl
80-117	1	24	Plug - Main Nozzle & Bowl Lock
82-14	1	25	Cotter Pin ($\frac{1}{16}$ x $\frac{3}{8}$)
82-16	1	26	Cotter - Hair Pin Type
83-308	1	27	Stud - Throttle Stop
83-412	2	28	Stud - Throttle Flange
233-541	1	29	Matched Float Valve, Seat & Gasket Assembly
286-728	1		Repair Kit

EXPLODED VIEW ON REVERSE SIDE

MODEL TCX CARBURETER EXPLODED VIEW



FLOAT SETTING: 1 5/64" FROM UPPER BOWL GASKET TO BOTTOM OF FLOAT

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

Model GO-298		Hercules #286625	USX-24
PART NO.	QUAN.	PART NAME	
10-4493	1	Carbureter Body Assembly	
12-1018	1	Throttle Lever Assembly	
13-1319	1	Throttle Shaft Assembly	
14-244	1	Throttle Fly 1-11/16 Diameter	
15-42	1	Screw (#8-32 x 3/4) Fillister Head (Throttle Stop)	
15-108	1	Screw (#8-32 x 5/16) Slotted Hex Head (Choke Swivel)	
15-483	2	Screw (#6-32 x 1/4) Pan Head SEMS (Choke Fly)	
15-A93	2	Screw (#8-32 x 3/8) Pan Hd. SEMS (Choke Bracket)	
15-A211	2	Screw (#8-32 x 1/4) Pan Head SEMS (Throttle Fly)	
15-A213	7	Screw (#8-32 x 1/2) Fill. Hd. Sems (Bowl Cover)	
15-A295	1	Screw (#8-32 x 1/2) Slot. Hex Hd. SEMS (Choke Clip)	
15-A296	1	Screw (#12-24 x 5/8) Hex Hd. Slot (Throttle Lever)	
15-A390	1	Screw (#1/4-40 x 1/4) Drill Plug (Bowl Drain)	
16-4	1	Gasket - Nozzle Plug	
16-364	1	Gasket - Strainer	
16-A316	1	Gasket - Bowl Cover	
16-A451	2	Gasket - Nozzle-1, Float Valve Seat-1	
16-704	1	Gasket Assortment	
24-262	1	Spring - Throttle Stop Screw	
24-A437	1	Spring - Choke Return	
25-664	1	Choke Lever Assembly	
26-874	1	Choke Shaft Assembly	
27-241	1	Fly - Choke	
28-110	1	Swivel - Choke	
29-81	1	Clip - Choke Bracket	
29-104	1	Bracket - Choke	
29-569	1	Bracket - Assembly	
30-747	1	Float & Lever Assembly	
32-16	1	Float Shaft	
36-399	1	Seat - Power Needle	
37-4	3	Channel Plug	
43-228	1	Main Adjusting Needle	
43-720	1	Main Adjusting Needle Assembly	
43-734	1	Idle Adjusting Screw (Nyl-Lok)	
44-63	1	Packing - Choke	
44-127	1	Packing - O Ring (1/16 x 3/16 I.D. x 5/16 O.D.)	
44-142	1	Packing - Throttle	
47-A57	1	Nozzle	
49-390	1	Jet - Economizer	
49-420	1	Jet - Idle Fuel	
49-480	1	Jet - Minimum Fuel Restriction	
55-230	1	Choke Shaft Cup	
55-255	1	Retainer - Throttle Shaft Packing	
56-158	1	Bowl - Cover	
62-167	1	Pin - Throttle Stop	
78-299	1	Washer - Choke Packing Retainer	
78-A47	1	Washer - Choke Lever Retainer (Tru Arc)	
80-171	2	Plug - Idle Drilling -1, Nozzle Air Vent -1)	
80-249	1	Plug - Throttle Shaft Hole	
80-250	1	Plug - Fuel Strainer Retainer	
80-252	1	Plug - Nozzle	
82-16	1	Cotter - Choke Swivel	
95-527	1	Screen - Assembly	
179-46	2	Expansion Plug - Economizer Drill-1, Bowl Vent-1	
206-72	2	Bearing - Needle	
233-601	1	Matched Float Valve Seat Assembly	
286-1355		Repair Kit	

TEMPORARY SERVICE PARTS LIST - INSERT IN THE PROPER SECTION OF YOUR MANUAL			
GO-298A engine Blaw Knox Dittuminous Paver		Hercules #286628-D	USX-25
PART NO.	QUAN.	PART NAME	
10-4570	1	Carburetor Body Assembly	
12-A131	1	Throttle Lever (Loose)	
12-1018	1	Throttle Lever Assembly	
13-1357	1	Throttle Shaft Assembly	
14-244	1	Throttle Fly 1-11/16 Diameter	
15-42	1	Screw (#8-32 x 3/4) Fill. Head (Throttle Stop)	
15-108	1	Screw (#8-32 x 5/16) Slotted Hex Head (Choke Swivel)	
15-483	2	Screw (6-32 x 1/4) Pan Head SEMS (Choke Fly)	
15-A93	2	Screw (#8-32 x 3/8) Pan Hd. SEMS (Choke Bracket)	
15-A211	2	Screw (#8-32 x 1/4) Pan Hd. SEMS (Throttle Fly)	
15-A213	7	Screw (#8-32 x 1/2) Fill. Hd. SEMS (Bowl Cover)	
15-A295	1	Screw (#8-32 x 1/2) Slot. Hex Hd. SEMS (Choke Clip)	
15-A296	1	Screw (#12-24 x 5/8) Hex Hd. Slot. (Throttle Lever)	
15-A297	1	Screw (#10-24 x 3/4) Slotted Hex (Clevis)	
15-A390	1	Screw (#1/4-40 x 1/4) Drill Plug (Bowl Drain)	
16-4	1	Gasket - Nozzle Plug	
16-364	1	Gasket - Strainer	
16-704	1	Gasket Assortment	
16-A316	1	Gasket - Bowl Cover	
16-A451	2	Gasket -(Nozzle-1, Float Valve Seat-1)	
24-262	1	Spring - Throttle Stop Screw	
24-A437	1	Spring - Choke Return	
25-664	1	Choke Lever Assembly	
26-873	1	Choke Shaft Assembly	
27-241	1	Fly - Choke	
28-110	1	Swivel - Choke	
29-81	1	Clip - Choke Bracket	
29-104	1	Bracket - Choke	
29-569	1	Bracket - Assembly	
30-747	1	Float & Lever Assembly	
32-16	1	Float Shaft	
36-396	1	Seat - Power Needle	
37-4	3	Channel Plug	
43-228	1	Main Adjusting Needle	
43-720	1	Main Adjusting Needle Assembly	
43-734	1	Idle Adjusting Screw (Nyl-Lok)	
44-63	1	Packing - Choke	
44-127	1	Packing - O-Ring (1/16 x 3/16 I.D. x 5/16 O.D.)	
44-142	2	Packing - Throttle	
47-A69	1	Nozzle	
49-390	1	Jet - Economizer	
49-420	1	Jet - Idle Fuel	
49-480	1	Jet - Minimum Fuel Restriction	
55-230	1	Choke Shaft Cup	
55-255	2	Retainer - Throttle Shaft Packing	
56-163	1	Bowl - Cover	
62-167	1	Pin - Throttle Stop	
78-299	1	Washer - Choke Packing Retainer	
78-A4	1	Washer - Clevis Assembly	
78-A47	1	Washer - Choke Lever Retainer (Tru Arc)	
80-171	2	Plug -(Idle Drilling-1, Nozzle Air Vent-1)	
80-250	1	Plug - Fuel Strainer Retainer	
80-252	1	Plug - Nozzle	
81-1	1	Nut - #10-24	
82-16	1	Cotter - Choke Swivel	
95-527	1	Screen - Assembly	

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

GO-298A engine
Blaw Knox Bituminous Paver

Hercules #286628-D

USX-25

PART NO.	QUAN.	PART NAME
121-511	1	Clevis Assembly
179-46	2	Expansion Plug - Economizer Drill-1, Bowl Vent-1
206-72	2	Bearing - Needle
233-601	1	Matched Float Valve Seat Assembly
286-1387		Repair Kit

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

Hercules GO-330

250 RG-2 Air Compressor

Chicago Pneumatic #1-PS-1344

USX-27

PART NO.	QUAN.	PART NAME
10-4581	1	Carbureter Body Assembly
12-951	1	Throttle Lever Assembly
13-1310	1	Throttle Shaft Assembly
14-244	1	Throttle Fly - 1-11/16 Diameter
15-42	1	Screw (#8-32 x 3/4) Fill. Hd. (Throttle Stop)
15-108	1	Screw (#8-32 x 5/16) Slotted Hex Hd. (Choke Swivel)
15-483	2	Screw (#6-32 x 1/4) Pan Head SEMS (Choke Fly)
15-A93	2	Screw (#8-32 x 3/8) Pan Head SEMS (Choke Bracket)
15-A211	2	Screw (#8-32 x 1/4) Pan Head SEMS (Throttle Fly)
15-A213	10	Screw (#8-32 x 1/2) Fill. Hd. SEMS (Bowl Cover-7)(Pump Cover-3)
15-A295	1	Screw (#8-32 x 1/2) Slotted Hex Hd. SEMS (Choke Clip)
15-A296	1	Screw (#12-24 x 5/8) Hex Hd. Slotted (Throttle Lever)
15-A390	2	Screw (#1/4-40 x 1/4) Drill Plug (Bowl Drain)
16-4	1	Gasket - Nozzle Plug
16-364	1	Gasket - Strainer
16-704	1	Gasket Assortment
16-A316	1	Gasket - Bowl Cover
16-A451	2	Gasket - Nozzle-1, Float Valve Seat-1
24-262	1	Spring - Throttle Stop Screw
24-A223	1	Spring - Pump Diaphragm
24-A425	1	Spring - Choke Return
25-664	1	Choke Lever Assembly
26-873	1	Choke Shaft Assembly
27-241	1	Fly - Choke
28-110	1	Swivel - Choke
29-81	1	Clip - Choke Bracket
29-104	1	Bracket - Choke
29-577	1	Bracket Assembly
30-747	1	Float & Lever Assembly
32-16	2	Shaft - (Float Lever-1)(Pump Stem-1)
43-734	1	Idle Adjusting Screw (Nyl-Lock)
44-63	1	Packing - Choke
44-142	1	Packing - Throttle
47-A65	1	Nozzle
49-390	1	Jet - Economizer
49-420	1	Jet - Idle Fuel
49-A3	2	Jet - Minimum Fuel Restriction
49-526	1	Jet - Pump Discharge Jet Assembly
55-230	1	Choke Shaft Cup
55-255	1	Retainer - Throttle Shaft Packing
56-164	1	Bowl - Cover
62-167	1	Pin - Throttle Stop
78-299	1	Washer - Choke Packing Retainer
78-A47	1	Washer - Choke Lever Retainer (Tru Arc)
80-249	1	Plug - Throttle Shaft Hole
80-250	1	Plug - Fuel Strainer Retainer
82-16	1	Cotter - Choke Swivel
95-527	1	Screen Assembly
158-579	1	Housing - Pump Assembly
179-46	2	Expansion Plug -(Economizer Drill-1)(Bowl Vent-1)
206-72	2	Bearing - Needle
233-601	1	Matched Float Valve Seat Assembly
237-516	1	Diaphragm - Pump Assembly
286-1385		Repair Kit

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

EDP-389-CV4-180 engine

Hercules #210120

USX-28

PART NO.	QUAN.	PART NAME
10-4629	1	Carbureter Body Assembly
12-1018	1	Throttle Lever Assembly
13-1368	1	Throttle Shaft Assembly
14-244	1	Throttle Fly - 1-11/16 Dia.
15-42	1	Screw (#8-32 x 3/4) Fill. Head (Throttle Stop)
15-108	1	Screw (#8-32 x 5/16) Slotted Hex Head (Choke Swivel)
15-483	2	Screw (#6-32 x 1/4) Pan Head SEMS (Choke Fly)
15-A93	2	Screw (#8-32 x 3/8) Pan Head SEMS (Choke Bracket)
15-A211	2	Screw (#8-32 x 1/4) Pan Head SEMS (Throttle Fly)
15-A213	10	Screw (#8-32 x 1/2) Fill. Hd. SEMS (Bowl Cover-7)(Pump Cover-3)
15-A295	1	Screw (#8-32 x 1/2) Slot. Hex Hd. SEMS (Choke Clip)
15-A296	1	Screw (#12-24 x 5/8) Hex Hd. Slotted (Throttle Lever)
15-A390	2	Screw (#1/4-40 x 1/4) Drill Plug (Bowl Drain)
16-4	1	Gasket - Nozzle Plug
16-364	1	Gasket - Strainer
16-A316	1	Gasket - Bowl Cover
16-A451	2	Gasket - Nozzle-1, Float Valve Seat-1
24-262	1	Spring - Throttle Stop Screw
24-A223	1	Spring - Pump Diaphragm
24-A425	1	Spring - Choke Return
25-664	1	Choke Lever Assembly
26-873	1	Choke Shaft Assembly
27-241	1	Fly - Choke
28-110	1	Swivel - Choke
29-81	1	Clip - Choke Bracket
29-104	1	Bracket - Choke
29-577	1	Bracket Assembly
30-747	1	Float & Lever Assembly
32-16	1	Float Shaft
43-734	1	Idle Adjusting Screw (Ny-Lok)
44-63	1	Packing - Choke
44-142	1	Packing - Throttle
46-A191	1	Venturi (Main 1-1/16)
47-A84	1	Nozzle
49-390	1	Jet - Economizer Restriction
49-420	1	Jet - Idle Fuel
49-A12	2	Jet - Minimum Fuel Restriction
49-526	1	Jet - Pump Discharge Jet Assembly
55-230	1	Choke Shaft Cup
55-255	1	Retainer - Throttle Shaft Packing
56-165	1	Bowl - Cover
62-167	1	Pin - Throttle Stop
78-299	1	Washer - Choke Packing Retainer
78-A47	1	Washer - Choke Lever Retainer (Tru Arc)
80-249	1	Plug - Throttle Shaft Hole
80-250	1	Plug - Fuel Strainer Retainer
80-252	1	Plug - Nozzle
82-16	1	Cotter - Choke Swivel
95-527	1	Screen Assembly
158-540	1	Housing - Pump Assembly
179-46	2	Expansion Plug - Economizer Drill-1, Bowl Vent-1
206-72	2	Bearing - Needle
233-601	1	Matched Float Valve Seat Assembly
237-516	1	Diaphragm - Pump Assembly
286-1400		Repair Kit

