



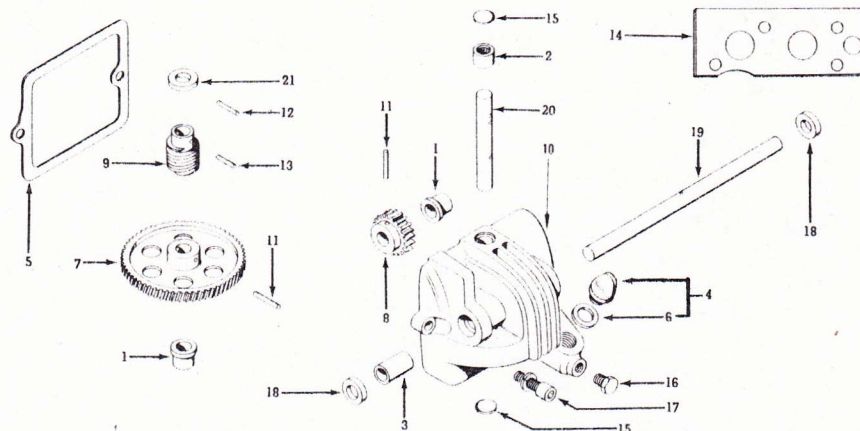
CLINTON ENGINES

AUXILIARY POWER TAKE-OFF ASSEMBLIES

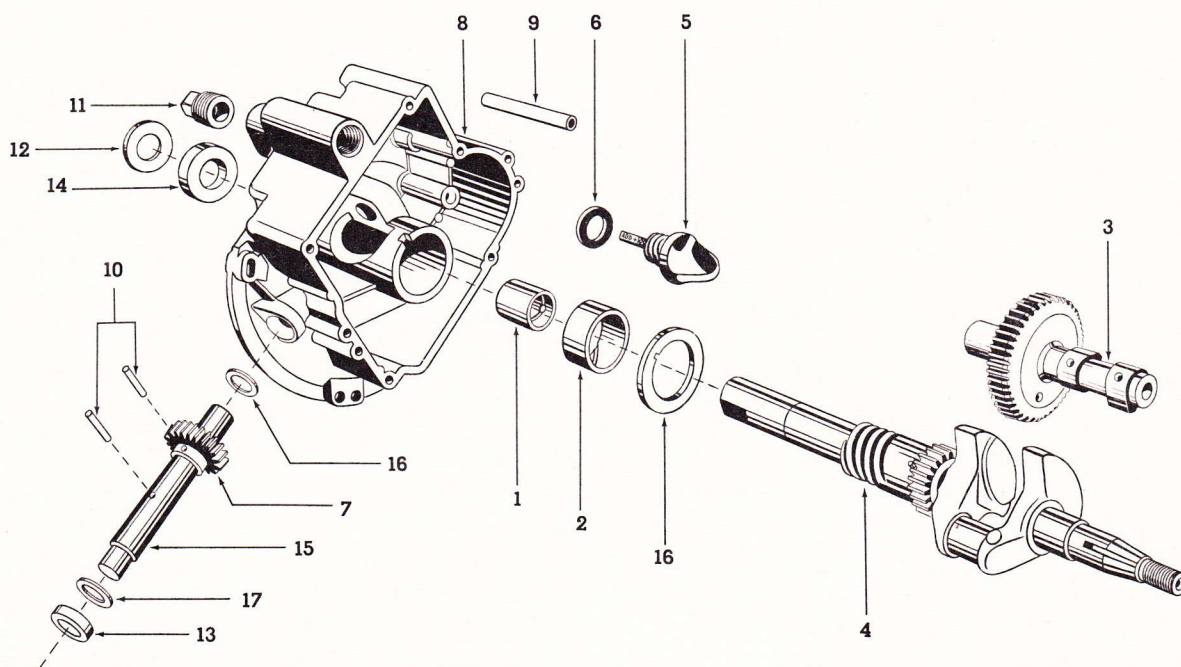
SEC. III, DIV. I.
AUXILIARY P. T. O.
ISSUED AUGUST, 1955
REVISED JULY, 1966

AUXILIARY POWER TAKE-OFF ASSEMBLIES FOR VERTICAL SHAFT CAST IRON ENGINES

Auxiliary P. T. O. Assembly No.	Speed Ratio	Direction of Rotation (Viewed from Carb. Side)	Auxiliary P. T. O. Assembly No.	Speed Ratio	Direction of Rotation (Viewed from Carb. Side)
106-62-500 (4600-B)	15:1	Counterclockwise	106-67-500 (4600-K)	15:1	Counterclockwise
106-63-500 (4600-D)	15:1	Clockwise	106-68-500 (4600-L)	15:1	Clockwise
(4600-E)	30:1	Counterclockwise	106-69-500 (4600-M)	30:1	Clockwise
(4600-F)	30:1	Clockwise	106-17-500 (4600-N)	15:1	Clockwise
106-66-500 (4600-J)	30:1	Clockwise	106-109-500 (4600-P)	15:1	Counterclockwise



Ref. No.	Part Number	Description	106-62 (4600-B)	106-63 (4600-D)	(4600-E)	106-65-500 (4600-F)	106-66-500 (4600-J)	106-67-500 (4600-K)	106-68-500 (4600-L)	106-69-500 (4600-M)	106-47-500 (4600-N)	106-109-500 (4600-P)
1.	20-16	BEARING-Flange	2	2	2	2	2	2	2	2	2	2
2.	20-33	BEARING-Needle	1	1	1	1	1	1	1	1	1	1
3.	20-47	BEARING-Sleeve	1	1	1	1	1	1	1	1	1	1
4.	45-179	CAP & GASKET-Oil Filler	1	1	1	1	1	1	1	1	1	1
5.	94-118	GASKET-Housing to Block	1	1	1	1	1	1	1	1	1	1
6.	94-81	GASKET-Oil Filler	1	1	1	1	1	1	1	1	1	1
7.	106-16	GEAR-Drive	1	1	1	1	1	1	1	1	1	1
8.	106-24	GEAR-P. T. O. Shaft	1					1				
	106-25	GEAR-P. T. O. Shaft		1					1		1	1
	106-23	GEAR-P. T. O. Shaft				1	1			1		
	106-2	GEAR-P. T. O. Shaft			1							
9.	106-35	GEAR-Worm			1							
	106-36	GEAR-Worm				1	1			1		
	106-37	GEAR-Worm	1					1				
	106-38	GEAR-Worm		1					1		1	1
10.	124-13-500	HOUSING ASS'Y-Incl. Ref. 1 & 3	1	1	1	1	1	1	1	1	1	1
11.	203-16	PIN-Drive	2	2	2	2	2	2	2	2	2	2
12.	203-18	PIN-Drive (Thrust Washer)	1	1	1	1	1	1	1	1	1	1
13.	203-17	PIN-Drive (Worm Gear)	1	1	1	1	1	1	1	1	1	1
14.	215-100	PLATE-Blower Housing Mtg.									1	1
15.	216-11	PLUG-Expansion	2	2	2	2	3	3	3	3	3	3
16.	216-19	PLUG-Oil Drain	1	1	1	1	1	1	1	1	1	1
17.	258-253-500	SCREW-Housing to Block	2	2	2	2	2	2	2	2	2	2
18.	94-171-990	SEAL-Oil P. T. O. Shaft	2	2	2	2	1	1	1	1	1	1
19.	6-68	SHAFT-P. T. O.	1	1	1	1						
	6-69	SHAFT-P. T. O.					1					
	6-70	SHAFT-P. T. O.						1			1	
	6-71	SHAFT-P. T. O.							1	1		
	6-193	SHAFT-P. T. O.										1
20.	6-84	SHAFT-Worm Gear	1	1	1	1	1	1	1	1	1	1
21.	304-153	WASHER-Thrust	1	1	1	1	1	1	1	1	1	1

**AUXILIARY POWER TAKE-OFF
FOR MODEL VS-100****SPECIAL PARTS REQUIRED**

Ref. No.	Description	Add Part No.	Delete Part No.
1	BEARING - Sleeve Crankshaft	20-53	
2	BEARING - Sleeve Crankshaft	20-45	
3	CAMSHAFT ASSEMBLY	6-22-500	6-9-500
4	CRANKSHAFT	46-170	46-355
5	DIPSTICK ASSEMBLY - Oil Filler	910-23	45-179
6	GASKET - Oil Dipstock	94-81	
7	GEAR - Auxiliary P.T.O. Shaft	106-30	
8	HOUSING - Auxiliary P.T.O.	124-172-500	18-6
9	LINE - Oil Intake	158-51	
10	PIN - Drive, Auxiliary P.T.O. (2)	203-13	
11	PLUG - Oil Drain	216-23	
12	PROTECTOR - Oil Seal	218-3	
13	SEAL - Oil	94-179	
14	SEAL - Oil, Crankshaft	94-172	
15	SHAFT - Auxiliary P.T.O.	6-76	
16	WASHER - Thrust, Crankshaft	304-163	
17	WASHER - Thrust, Auxiliary P.T.O. (2)	304-164	

The above shown parts are the only variations from the standard VS-100 Series. It is recommended that no more than .4 H.P. be used from the P.T.O. shaft. When refilling with oil be sure to use 1 1/2 pints of recommended crankcase oil.

SERVICE NOTE: When removing shaft No. 15, drive pins No. 10 only far enough to catch with pliers. Revolve shaft and then remove pins with pliers.