

THIS 10-32 CAP SCREW PROVIDED TO PREVENT THE FRONT SHAFT FROM ROTATING WHILE CHANGING THE CONTACT PLATE. REMOVE THE 10-32 FLATHEAD SCREW FROM THE BODY AND TIGHTEN THIS CAP SCREW AGAINST ONE OF THE FOUR FLATS ON THE CROWDER SHAFT. TO AVOID SHAFT DAMAGE TIGHTEN CAP SCREW TO 25 IN-LBS MAXIMUM.

THIS IS A TWO PAGE PARTS LIST. THIS FIRST PAGE APPLIES TO ASSEMBLY REVISION E AND LATER.

TORQUE TO 7 FT-LB

APPLY MEDIUM STRENGTH THREAD LOCKER (BLUE) TO THREADS. TORQUE TO 30 FT-LB

APPLY LOW STRENGTH THREAD LOCKER (PURPLE) TO THREAD. TORQUE TO 25 IN-LB

WHEN ORDERING REPLACEMENTS SEE CONTACT PLATE DIMENSIONS AND INFORMATION BELOW

FOUR FLATS ON SHAFT

INSTALL SEAL ON PISTON WITH SEAL LIP FACING TOWARD RETAINER

TORQUE TO 10-11 IN-LB

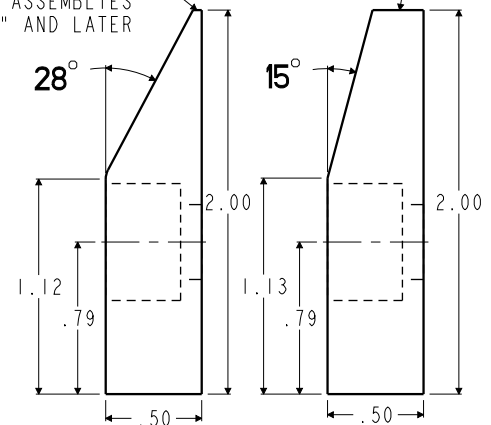
BODY NON-REPLACEMENT PART

CONTACT PLATE DIMENSIONS AND INFORMATION

81-5000-67, CONTACT PLATE PROVIDED WITH ASSEMBLIES REVISION "C" AND EARLIER

81-5000-27, CONTACT PLATE PROVIDED WITH ASSEMBLIES REVISION "D" AND LATER

APPLY MEDIUM STRENGTH THREAD LOCKER (BLUE) TO THREADS. TORQUE TO 16 FT-LB



NO	QTY	PART NO	DESCRIPTION	STD SEAL KIT	FKM SEAL KIT
1	1	21410074	SHCS, 3/8-16 X 3/4, ALY		
2	1	21410099	SCREW,CAP,FLTH,10-32 X 3/16,ALY,UNDERCUT HEAD		
3	1	21411035	SCREW, CAP, SOCH, 10-32 X 5/8, ALY		
4	1	21500019	SCREW, CAP, BTNH, M3 X 6, ALY		
5	1	21500200	WASHER		
6	1	23313005	SPRING, COMPRESSION		
7	1	30601144	PLUG, SOCH, SAE 4		
8	1	39010013	SEAL, BEVEL, 9/16 X 3/32 X 3/4	X	39012000
9	1	39050042	O-RING, (-011)	X	X
10	1	39051031	O-RING, (-912)	X	X
11	1	81500027	PLATE,CONTACT,CROWDER,2200,28°		
12	1	81500030	PISTON, PART CROWDER, 2200		
13	1	81500033	SHAFT, PART CROWDER, 2200		
14	1	81500034	RETAINER, PART CROWDER, 2200		
15	1	39V51004	O-RING, 5.5mm X 1mm	X	X
N/A	N/A	60159102	KIT, SEAL, STANDARD	NOTED	N/A
N/A	N/A	6V159102	KIT, SEAL, FKM	N/A	NOTED

NOTES:

- ALL SEALS AND WIPER ARE INCLUDED IN STD OR FKM SEAL KIT.
- APPLY LUBRICANT TO ALL SEALS PRIOR TO ASSEMBLY.

PARTS LIST



VEKTEK, INC.
1334 E. SIXTH AVE. P.O. BOX 625
EMPORIA, KS. 66801 U.S.A.

ASSEMBLIES AFFECTED

PARTS LIST, PART CROWDER, 2200

15910800

SIZE

PL1594

REV

15910800F

REVISION E AND LATER

SIZE

A

F

F	3831	RELEASE	ATHOMSEN	11-SEP-2019
REV	IN ACCORDANCE WITH ECN	EFFECTIVE DATE	REVISED BY	DATE
DRW BY:	JAW	DRAWING STATUS: Released		
DATE:	8/4/06	PRODUCTION APPROVED FOR RELEASED STATUS ONLY		

FORM FEG035_PL_ASIZE, REV. B

SHEET 1 OF 2

THIS 10-32 CAP SCREW PROVIDED TO PREVENT THE FRONT SHAFT FROM ROTATING WHILE CHANGING THE CONTACT PLATE. REMOVE THE 10-32 FLATHEAD SCREW FROM THE BODY AND TIGHTEN THIS CAP SCREW AGAINST ONE OF THE FOUR FLATS ON THE CROWDER SHAFT. TO AVOID SHAFT DAMAGE TIGHTEN CAP SCREW TO 25 IN-LBS MAXIMUM.

THIS IS A TWO PAGE PARTS LIST. THIS SECOND PAGE APPLIES TO ASSEMBLY REVISION D AND EARLIER.

TORQUE TO 7 FT-LB

APPLY MEDIUM STRENGTH THREAD LOCKER (BLUE) TO THREADS. TORQUE TO 30 FT-LB

APPLY LOW STRENGTH THREAD LOCKER (PURPLE) TO THREAD. TORQUE TO 25 IN-LB

WHEN ORDERING REPLACEMENTS SEE CONTACT PLATE DIMENSIONS AND INFORMATION BELOW

WIPER NOT INCLUDED IN SEAL KITS

APPLY MEDIUM STRENGTH THREAD LOCKER (BLUE) TO THREADS. TORQUE TO 16 FT-LB

FOUR FLATS ON SHAFT

INSTALL SEAL ON PISTON WITH SEAL LIP FACING TOWARD RETAINER

DUE TO SHAFT DESIGN CHANGES WHEN ORDERING THIS SHAFT AS A REPLACEMENT PART FOR ASSEMBLIES REVISION D AND EARLIER REVISIONS BE CERTAIN TO ALSO ORDER CAP SCREW 21410105, SCREW, CAP, SOCH, 3/8-16 X 3/8, ALY

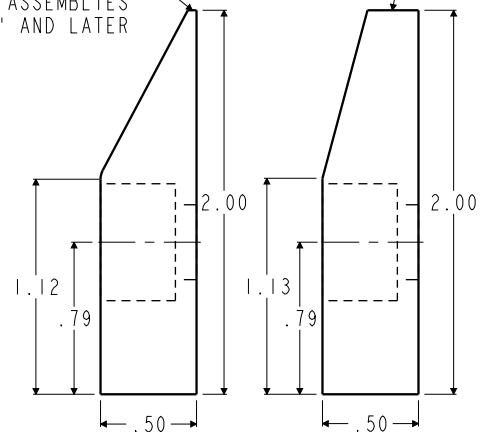
TORQUE TO 10-11 IN-LB

BODY NON-REPLACEMENT PART

CONTACT PLATE DIMENSIONS AND INFORMATION

81-5000-67, CONTACT PLATE PROVIDED WITH ASSEMBLIES REVISION "C" AND EARLIER

81-5000-27, CONTACT PLATE PROVIDED WITH ASSEMBLIES REVISION "D" AND LATER




NOTES:

- ALL SEALS AND THE RETAINING RING ARE INCLUDED IN STD OR FKM SEAL KIT WITH THE EXCEPTION OF THE WIPER NOT BEING INCLUDED IN THE SEAL KITS.
- APPLY LUBRICANT TO ALL SEALS PRIOR TO ASSEMBLY.

NO	QTY	PART NO	DESCRIPTION	STD SEAL KIT	FKM SEAL KIT
1	1	21410074	SHCS, 3/8-16 X 3/4, ALY		
2	1	21410099	SCREW, CAP, FLTH, 10-32 X 3/16, ALY, UNDERCUT HEAD		
3	1	21411035	SCREW, CAP, SOCH, 10-32 X 5/8, ALY		
4	1	21500019	SCREW, CAP, BTNH, M3 X 6, ALY		
5	1	21500200	WASHER		
6	1	23313005	SPRING, COMPRESSION		
7	1	30601144	PLUG, SOCH, SAE 4		
8	1	39010013	SEAL, BEVEL, 9/16 X 3/32 X 3/4	X	39012000
9	1	39012009	WIPER, PRESS-IN, (1/2)		
10	1	39050042	O-RING, (-011)	X	X
11	1	39051031	O-RING, (-912)	X	X
12	1	81500027	PLATE, CONTACT, CROWDER, 2200, 28"		
13	1	81500030	PISTON, PART CROWDER, 2200		
14	1	81500033	SHAFT, PART CROWDER, 2200		
15	1	81500034	RETAINER, PART CROWDER, 2200		
16	1	39V51004	O-RING, 5.5mm X 1mm	X	X
N/A	N/A	60159102	KIT, SEAL, STANDARD	NOTED	N/A
N/A	N/A	6V159102	KIT, SEAL, FKM	N/A	NOTED

F	3831	RELEASE	ATHOMSEN	11-SEP-2019
REV	IN ACCORDANCE WITH ECN	EFFECTIVE DATE	REVISED BY	DATE
DRW BY:	ABC	DRAWING STATUS: Released		
DATE:	XX-YY-ZZ	PRODUCTION APPROVED FOR RELEASED STATUS ONLY		

PARTS LIST	 VEKTEK VEKTEK, INC. 1334 E. SIXTH AVE. P.O. BOX 625 EMPORIA, KS. 66801 U.S.A.	
	ASSEMBLIES AFFECTED	PARTS LIST, PART CROWDER, 2200
15910800	SIZE	PL1594
15910800F	REVISION	D AND EARLIER
REVISION D AND EARLIER	REV	F

FORM FEG035_PL_ASIZE, REV. B

SHEET 2 OF 2