

# HIGH-POWER 3,000 ACME JACK OWNER'S INSTRUCTIONS

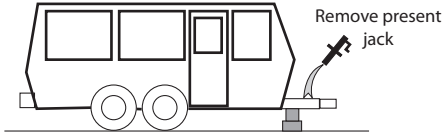
## P/N'S 27265, 27295, 27300, 27720, 27721, 28762

H&H Engineering HIGH POWER Acme Jack is designed to lift up to 3,000 pounds a full 18". It's design also includes a silent shut-off by use of limit switches; a built in leveling device; attached foot plate and an emergency crank handle. An important part of owning and using a HIGH-POWER Jack is being sure it is properly installed and serviced.

### GENERAL SAFETY:

Read and understand the Jack installation instructions. Always block trailer wheel when using the jack. Since there are moving parts inside the jack, be careful of loose clothing, remove or secure loose jewelry (watches, rings, etc.).

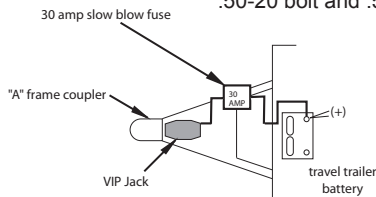
### BEFORE INSTALLATION:



Raise your travel trailer's front end and place blocks or stabilizing jacks under the front "A" frame. Lower the trailer until it rests securely on stabilizing jacks or blocks. Retract present jack and remove.

### INSTALLATION:

Install Jack in hole and secure with 3 bolts & 3 internal tooth lockwashers (bolt holes are threaded). The 3 bolts should already be on your trailer. The 3 internal lockwashers are supplied by us (in hardware bag). Attach the foot plate to High-Power Jack with .50-20 bolt and .50" lockwasher (supplied in hardware bag).

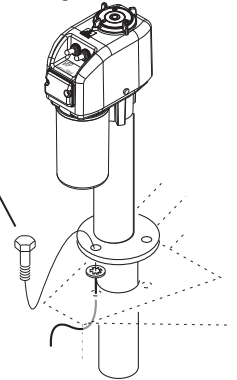


Connect the lead-wire directly to the positive (+) lead of the travel trailer's battery using a twelve (12) gage wire. Be sure the connection is a good one. THE 30 AMP SLO-BLO FUSE MUST BE INSTALLED AS SHOWN.

### IMPORTANT

To insure a good electrical ground an internal tooth lock-washer must be in place for this bolt. Make sure powdercoat or paint is removed from "A" frame coupler under washer and that tagged hole is used.

The bolts should already be on your trailer.



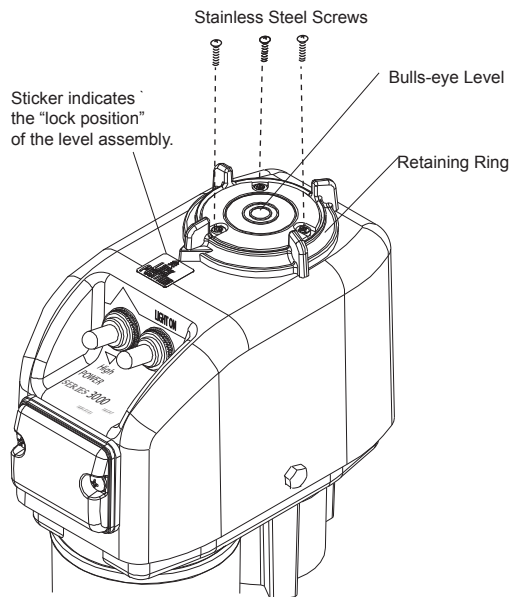
### IMPORTANT NOTICE:

If it is necessary to change the position of the powerhead relative to the post and flange (in order to provide clearance between powerhead and LP gas bottle or LP gas cover, or more clearance between the lift gate and the powerhead) loosen set screws and rotate head without lifting off coupling. Retighten set screws when head is in desired position.

### INITIAL SET-UP AND HOW TO USE YOUR HIGH-POWER JACK LEVEL:

1. Install your High-Power Jack (SEE INSTALLATION above).
2. Place a small level inside your RV on a surface you want to level. This might be a counter top or freezer compartment of a refrigerator.  
NOTE: It will be necessary to move this level to check side to side and front to back condition.
3. Check the "inside level", level your trailer from side to side with stabilizing jacks or boards under the wheels.
4. Checking the "inside level", level your trailer front to back using your VIP Power Jack.
5. Carefully adjust the 3 stainless steel screws on the ring that surround the built in bulls-eye level (see picture) until the air bubble is inside the middle circle. Your trailer will then be leveled.

**In the future, you can do all your leveling by using your High-Power Jack built-in level.**



### MAINTENANCE:

Once a year, the powerhead should be removed and a liberal amount of grease (preferably a grease with high melting point) applied directly to the coupling on which the drive pin rests.

DO NOT POUR OIL into top of the jack post.

Once a year, the housing cover should be removed and the gears inspected for proper lubrication. Remove 4 screws and tap around edge of housing to free cover.

DO NOT insert screw driver blade! (This may damage mating surfaces.)

Before replacing cover, clean mating surfaces. If lubrication is needed, use Mobilith 460 grease or equivalent.

# barker

1125 Watkins Road / PO Box 460  
Battle Creek, MI 49016

Phone: 269-965-2371 Fax: 269-965-2389

www.barkermfg.com E-Mail: service@barkermfg.com

© Copyright H&H Engineering 1989

PAGE:	DATE:	FORM #:
1 of 3	20 DEC 11	27236
REV. LETTER:	ECN#:	APPROVED:
F	14481	

# HIGH-POWER 3,000 ACME JACK OWNER'S INSTRUCTIONS

## P/N'S 27265, 27295, 27300, 27720, 27721, 28762

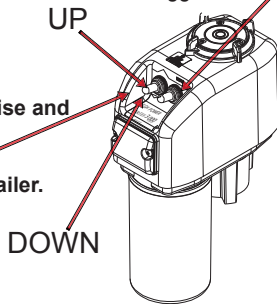
### OPERATION (ELECTRIC)

REMEMBER TO KEEP HANDS AND FEET FROM UNDER THE FOOT PLATE WHEN USING POWER JACK.

When VIP Jack reaches the end of it's travel (either raising or lowering), the internal clutch activates. Dolly wheels are not recommended.

The JACK will raise and lower by this toggle switch-- NOT the travel trailer.

The "night-light" is controlled by this toggle switch



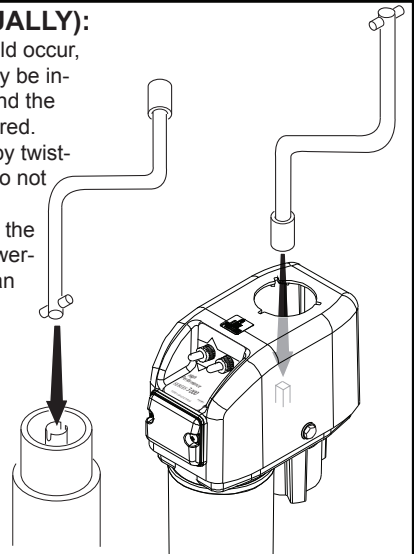
### Warning

AVOID THE RISK OF INJURY OR DEATH TO YOURSELF AND OTHERS:

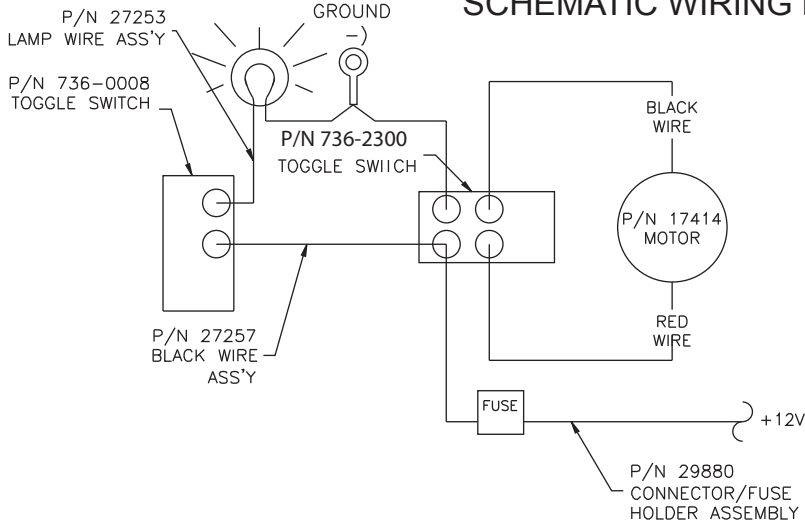
- USE THE JACK FOR LIFTING THE TRAVEL TRAILER ONLY.
- NEVER GET BENEATH THE TRAILER WHEN IT IS SUPPORTED BY THE JACK.
- SUPPORT THE VEHICLE WITH THE APPROPRIATE MEANS.

### OPERATION (MANUALLY):

If an electrical failure should occur, the emergency handle may be inserted into the jack post and the jack can be raised or lowered. (Access can be obtained by twisting cap off. NOTE: You do not have to remove or loosen screws on level to remove the level assembly.) If the power-head is removed, crank can still be used to raise and lower jack.



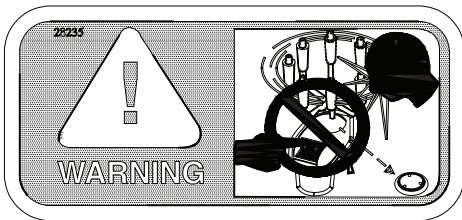
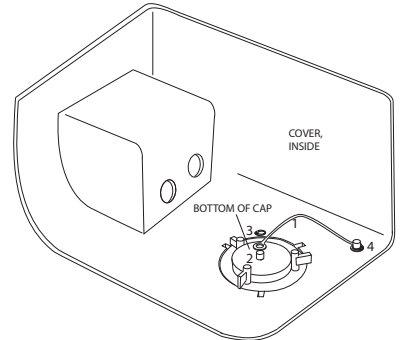
### SCHEMATIC WIRING DIAGRAM



### STRAP ATTACHMENT:

1. Press strap (1) onto the stud (2) at the bottom of the cap.
2. Press the retaining ring (3) on stud (2) snug it down against the strap (1).
3. Repeat this process (4) on the stud found on the inside of the cover.

THIS WILL SECURE YOUR CAP.



### WARNING!!!

Do not use toggle switch with crank handle in place. Breaking this rule will cause serious injury or death.

### WARNING

Don't risk serious injury or death in a shearing or squeezing accident. Keep body, hands, and feet away.



- REMEMBER TO KEEP HANDS AND FEET OUT FROM UNDER THE FOOT PLATE WHEN USING THE POWER JACK!!
- DOLLY WHEELS ARE NOT RECOMMENDED.

BREAKING THESE RULES WILL CAUSE SERIOUS INJURY OR DEATH.

**barker**

1125 Watkins Road / PO Box 460  
Battle Creek, MI 49016  
Phone: 269-965-2371 Fax: 269-965-2389  
www.barkermfg.com E-Mail: service@barkermfg.com

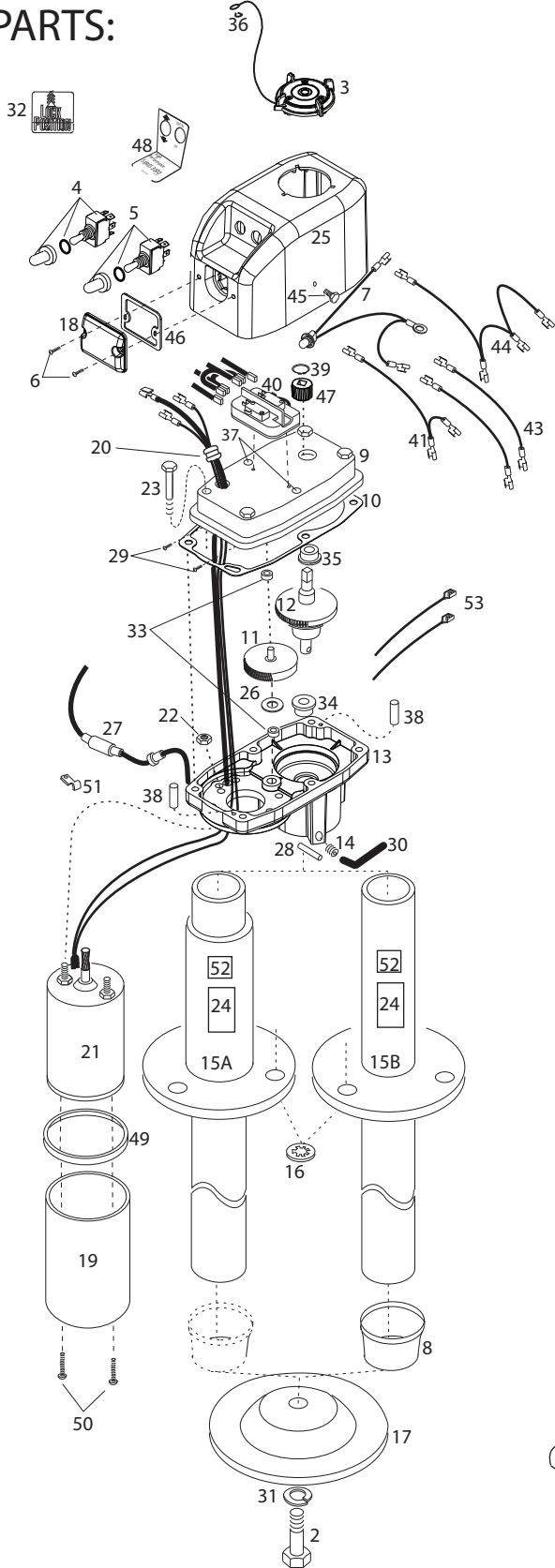
© Copyright H&H Engineering 1989

PAGE: 2 of 3	DATE: 20 DEC 11	FORM #: 27236
REVISION LETTER: F	ECN#: 14481	APPROVED:

# HIGH-POWER 3,000 ACME JACK OWNER'S INSTRUCTIONS

P/N'S: 27265, 27295, 27300, 27720, 27721, 28762

## PARTS:



ITEM	PART#	REQ'D	DESCRIPTION
1	28259	1	CRANK HANDLE
2	600-0011	1	HEX BOLT (.5-20 X .75)
3	30330	1	CAP ASS'Y BLACK
3	30331	1	CAP ASS'Y WHITE
4	736-0009	1	TOGGLE SWITCH
5	736-0008	1	TOGGLE SWITCH
6	606-5001	2	#10 X .50 PHILLIPS HEAD SCREW
7	27253	1	LAMP WIRE ASSEMBLY
8	10017	1	POST ADAPTER (2" POST ONLY)
9	32152	1	COVER, FINISHED WHITE
9	32153	1	COVER, FINISHED BLACK
10	29306	1	GASKET
11	28207	1	GEAR ASSEMBLY-DRIVE
12	28917	1	DRIVE GEAR ASSEMBLY
13	30783	1	BASE FINISHED WHITE
13	30782	1	BASE FINISHED BLACK
14	608-0006	3	.312-18 X .50" SET SCREW
15A	27313	1	POST ASSEMBLY(BLACK- Ø2.25)
15B	27335	1	POST ASSEMBLY(BLACK- Ø2)
15A	27527	1	POST ASSEMBLY(WHITE-Ø2.25)
16	619-0003	3	INTERNAL TOOTH LOCKWASHER
17	21349	1	BASE H.T. (BLACK)
17	12752	1	BASE H.T. (WHITE)
18	27262	1	LENS
19	27276	1	MOTOR SLEEVE (BLACK)
19	27344	1	MOTOR SLEEVE (WHITE)
20	26236	1	RUBBER GROMMET
21	17414	1	MOTOR
22	611-2100	2	HEX LOCK NUT
23	605-0012	4	SCREW
24	12393	1	SYNCHRONIZE LABEL
25	27338	1	COVER (WHITE)
25	27259	1	COVER (BLACK)
26	80208	1	WASHER, SPACER
27	29880	1	CONNECTOR/FUSE HOLDER ASSEMBLY
28	623-1216	1	GROOVE PIN
29	606-0009	2	#10 X .38 SCREW (LIMIT SWITCH)
30	636-0000	1	HEX KEY
31	618-1002	1	LOCKWASHER (.50")
32	30341	1	LOCK INDICATOR LABEL, BLACK
32	30683	1	LOCK INDICATOR LABEL, WHITE
33	80501	2	BUSHING
34	645-0024	1	FLANGE BUSHING
35	641-0009	1	BUSHING
36	634-0028	2	RETAINING RING
37	16434	2	HOLE PLUG
38	621-0004	2	Ø.13" X .75 DOWEL
39	634-0023	1	RETAINER RING
40	27512	1	LIMIT SWITCH ASSEMBLY
41	27257	1	BLACK WIRE ASSEMBLY
42	27256	1	WHITE WIRE ASSEMBLY
43	27254	1	BLUE WIRE ASSEMBLY
44	27252	1	GREEN WIRE ASSEMBLY
45	606-0008	2	#10-16 X .75 TEK SCREW (BLACK)
45	606-0010	2	#10-16 X .75 TEK SCREW (SILVER)
46	30313	1	LENS GASKET
47	27277	1	POT/REED DRIVE GEAR
48	27264	1	COVER LABEL
49	27274	1	MOTOR SEAL
50	603-5016	2	#10-32 X .75" PHILLIPS SCREW
51	17808	1	WIRE CLAMP
52	24047	1	WARNING LABEL
53	17892	2	CABLE TIE (GREY)
53	16392	2	CABLE TIE (BLACK)

NOT SHOWN: PN 742-0051 FEMALE TERMINAL 1 REQ'D

# barker

1125 Watkins Road / PO Box 460  
 Battle Creek, MI 49016  
 Phone: 269-965-2371 Fax: 269-965-2389  
 www.barkermfg.com E-Mail: service@barkermfg.com

© Copyright H&H Engineering 1989

PAGE:	DATE:	FORM #:
3 OF 3	7 JUL 10	27326
REVISION LETTER:	ECN#:	APPROVED:
Q	14239	