

"Hi-Torque" Acme Power Jack Owner's Instructions

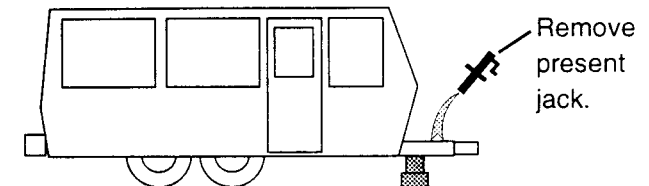
H&H Engineering "Hi-Torque" Acme Power Jack is designed to lift up to 2,500 pounds a full 18 inches. Its design also includes a special clutch (torque limiter) that prevents damage to the jack, built in night lights, attached foot plate, and an emergency crank. An important part of owning and using Power Jack is being sure it is properly installed and serviced.

GENERAL SAFETY

- Read and understand the Power Jack installation instructions.
- Always block trailer wheels when using the jack.
- Remove jewelry (watches, rings, etc.).
- Prolonged operation of the torque limiter is not recommended.

BEFORE INSTALLATION

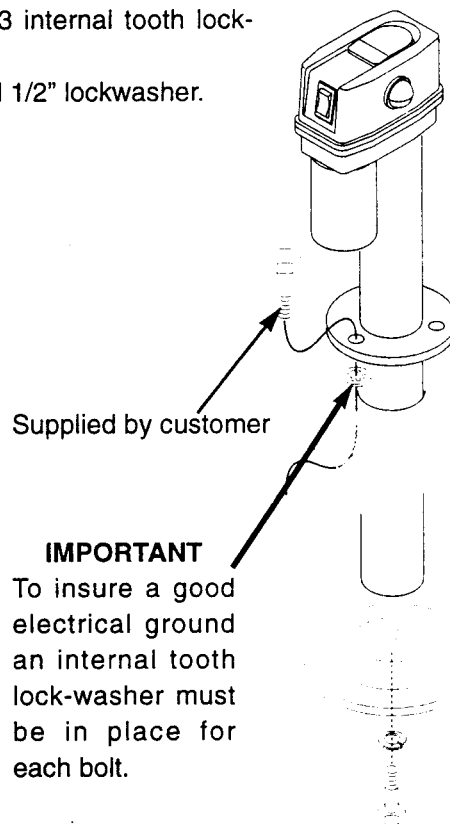
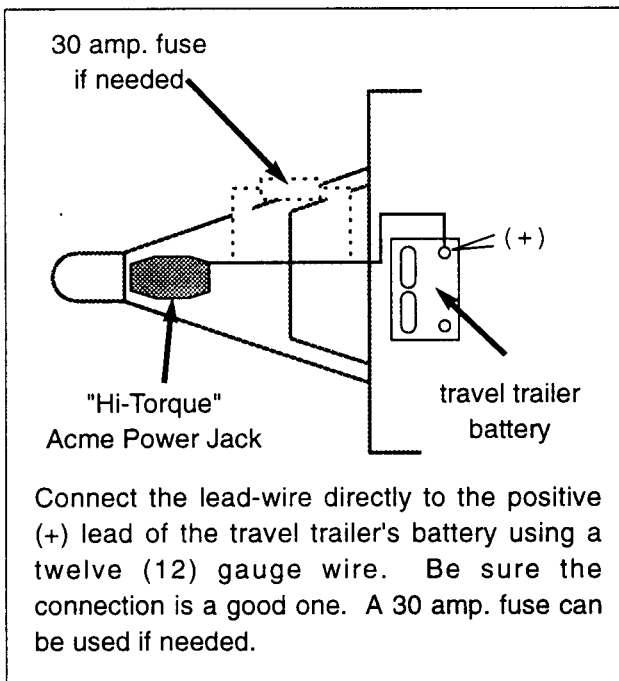
Raise your travel trailer's front end and place blocks or stabilizing jacks under the front "A" frame. Lower the trailer until it rests securely on stabilizing jacks or blocks. Retract present jack and remove it.



INSTALLATION

Install Power Jack in hole and secure with, 3 bolts, 3 internal tooth lock-washers (bolt holes are threaded).

Attach the foot plate to Power Jack with 1/2-20 bolt and 1/2" lockwasher.



IMPORTANT NOTICE

Powerhead may be repositioned and rotated to eliminate interference with LP gas cylinder shroud.

- Just loosen set screws on powerhead collar, position head in desired location and retighten set screws.



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OPERATION (ELECTRIC)

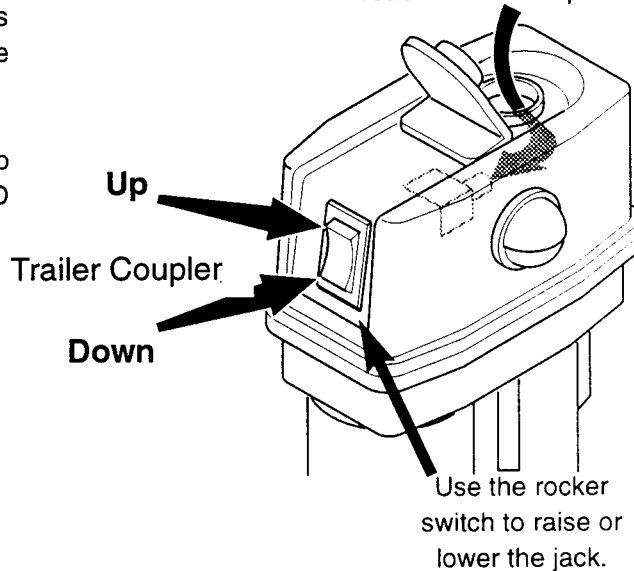
REMEMBER TO KEEP HANDS AND FEET FROM UNDER THE FOOT PLATE WHEN USING POWER JACK.

When the H&H Power Jack reaches the end of its travel (either raising or lowering) a built in torque limiter goes into operation with a clicking noise.

This torque limiter permits the final drive gear to slip and thus protects the unit. **PROLONGED OPERATION OF THE TORQUE LIMITER IS NOT RECOMMENDED.**

DOLLY WHEELS ARE NOT RECOMMENDED.

The "night-lights" are controlled by a switch under the big, red cover. Flip up the red cover, reach inside and push.

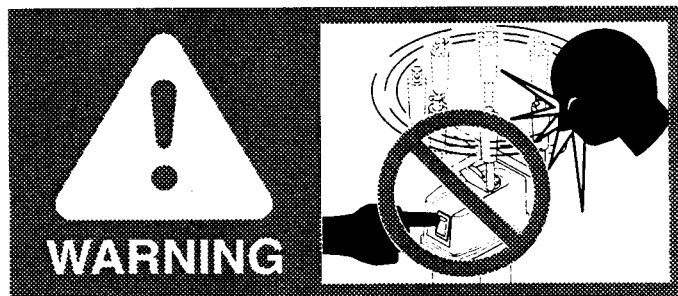


WARNING

Avoid the risk of injury to yourself and others:

- Use the jack for lifting the travel trailer only.
- Never get beneath the travel trailer when it is supported by the jack.
- Support the vehicle with the appropriate means.

OPERATION (MANUAL)



WARNING

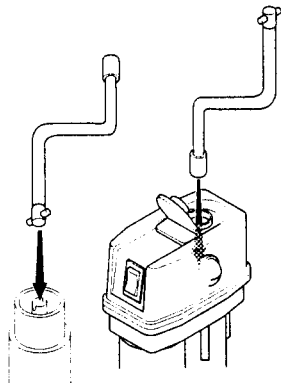


WARNING
Handle

Crank

Do not push rocker switch with crank handle in place. Breaking this rule will cause serious injury.

If an electrical failure should ever occur the emergency handle may be inserted into the jack post and the jack can be raise or lowered.

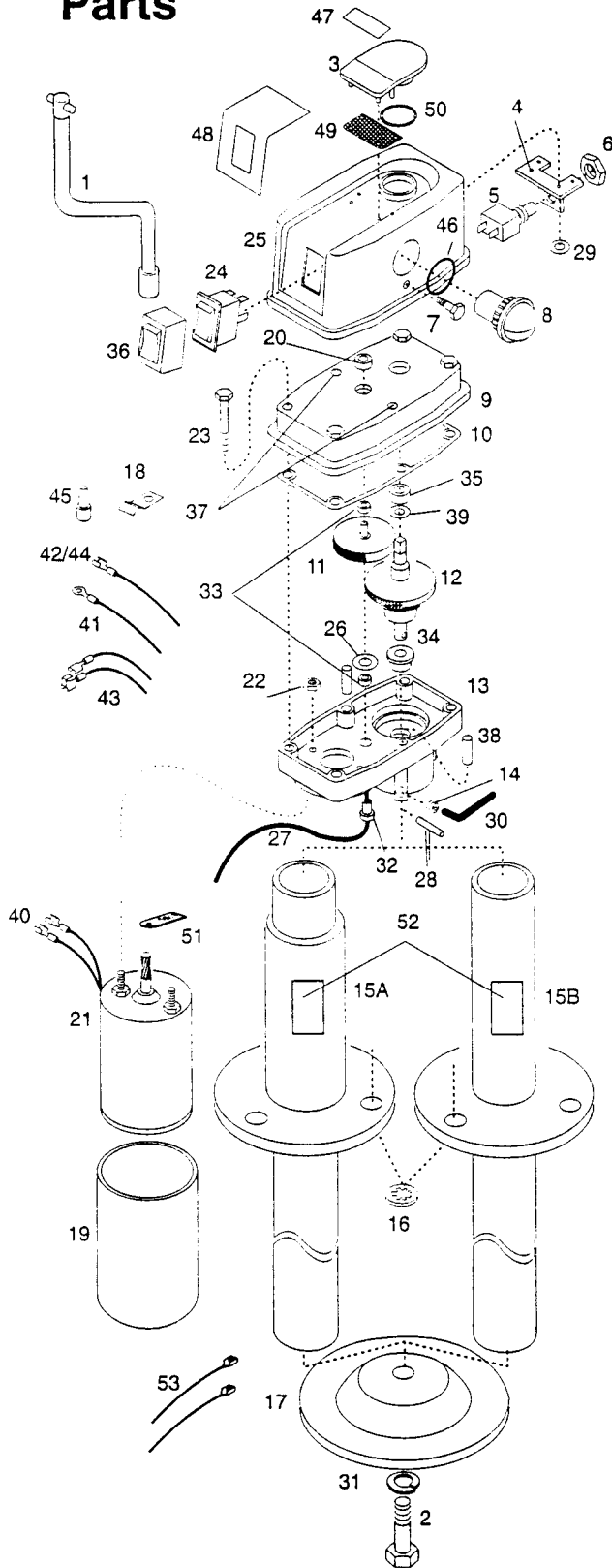


If powerhead is removed crank can still be used to raise and lower jack.

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

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Parts



Item	Part No.	Req'd	Description
1	21047	1	CRANK
2	600-0011	1	HEX BOLT (1/2-20 X 3/4")
3	17426	1	CAP
4	17424	1	SWITCH PLATE
5	738-0010	1	LIGHT SWITCH
6	" "	1	NUT (SUPPLIED WITH SWITCH)
7	606-0000	2	SCREW SILVER, WHITE
7	606-0001	2	SCREW BLACK
8	757-0030	2	LIGHT (REPLACEMENT BULB #67-SJ4)
9	17418	1	UPPER HOUSING
10	17422	1	GASKET
11	26307	1	DRIVE GEAR ASSEMBLY
12	23623	1	TORQUE LIMITER ASSEMBLY
13	25697	1	LOWER HOUSING (WHITE)
13	23674	1	LOWER HOUSING (BLACK)
13	23675	1	LOWER HOUSING (SILVER)
14	608-0006	3	SET SCREW 5/16-18 X 1/2"
15A	17711	1	POST BODY ASS'Y. (BLACK) (2 1/4" OD)
15A	17717	1	POST BODY ASS'Y. (SILVER) (2 1/4" OD)
15B	21500	1	POST BODY ASS'Y. (BLACK) (2" OD)
15B	21505	1	POST BODY ASS'Y. (SILVER) (2" OD)
15A	25703	1	POST BODY ASS'Y. (WHITE)
16	619-0003	3	INTERNAL TOOTH LOCK WASHER
17	21349	1	FOOT PLATE (BLACK)
17	12752	1	FOOT PLATE (SILVER, WHITE)
18	17808	1	WIRE CLAMP
19	17712	1	MOTOR SLEEVE (BLACK)
19	17715	1	MOTOR SLEEVE (SILVER)
20	26236	1	RUBBER GROMMET
21	17414	1	ELECTRIC MOTOR
22	611-2100	2	HEX LOCK NUT
23	605-0012	4	SCREW
24	738-0007	1	ROCKER SWITCH
25	25706	1	COVER (WHITE)
25	25118	1	COVER (BLACK)
25	25117	1	COVER (SILVER)
26	80208	1	WASHER, SPACER
27	23212	1	GREY WIRE ASSEMBLY
28	623-1216	1	GROVE PIN
29	641-0004	4	STUD RECEIVER
30	636-0000	1	HEX KEY
31	618-1002	1	LOCKWASHER (1/2")
32	80504	1	SNAP BUSHING
33	80501	2	BUSHING
34	645-0024	1	FLANGE BUSHING
35	641-0009	1	BUSHING
36	22414	1	SWITCH SEAL
37	16434	2	HOLE PLUG
38	621-0004	2	1/8" DIA X 3/4 DOWEL
39	617-0009	1	THRUST WASHER
40	81758	2	12 GA FEMALE TERMINAL
41	17801	1	GROUND WIRE ASSEMBLY
42	18959	1	WHITE WIRE ASSEMBLY
43	17878	1	PIGGY BACK WIRE ASSEMBLY
44	17834	1	BLACK WIRE ASSEMBLY
45	759-0026	2	WIRE CRIMP NUT
46	22206	2	LIGHT GASKET
47	17728	1	CAP LABEL
48	17725	1	COVER LABEL
49	22204	1	REAR CAP GASKET
50	22207	1	CAP HOLE GASKET
51	26351	1	I.D. TAG (55:1)
52	24047	1	WARNING LABEL
53	17892	2	CABLE TIE- GREY
53	16392	2	CABLE TIE- BLACK



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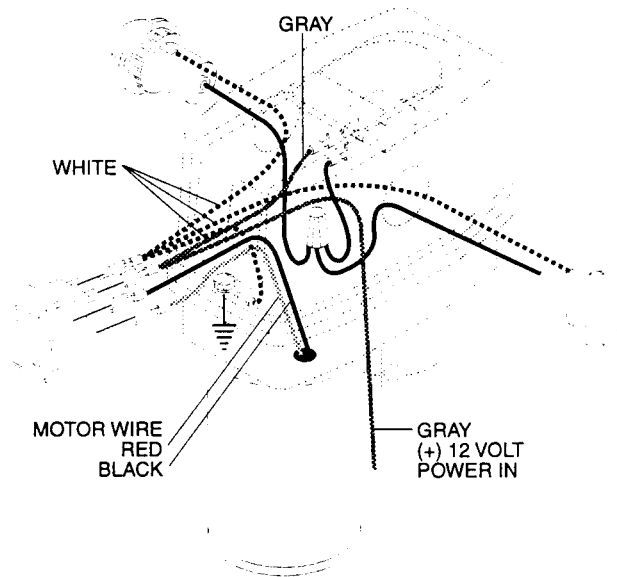
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MAINTENANCE

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 jack post.

Once a year, the housing cover should be removed and the gears inspected for proper lubrication. Remove 4 screws and tap around edges of housing to free the cover--DO NOT insert screwdriver blade-- this may damage mating surfaces. Before replacing cover, clean mating surfaces. If lubrication is needed, use MOBILITH 460 or equivalent grease.

Pictorial Wiring Diagram



Schematic Wiring Diagram

