

TROUBLESHOOTING GUIDE



HAPPIJAC COMPANY
Microprocessor controlled jack remote

Operating Instructions

TEN BUTTON REMOTE



IMPORTANT PRECAUTIONS

ALWAYS keep motor release / locking lever (on side of Jack) in the **UP** position except when hand cranking.

NEVER lift beyond the **RED STOP LINE** on jacks! Jack damage and possible jack failure can result.

NEVER allow the back of the camper to become higher than the front! Camper will load best and more safely if front is kept approximately 4 inches higher than rear.

DANGER: Keep camper level when raising or lowering (within 4-6 inches). Due to weight differences at each corner, jacks will not raise and lower at same speed. Stop frequently and check level of camper.

KEEP REMOTE UNIT AND ALL CONNECTIONS DRY. Do not leave out in rain or plugged in when not using.

ALWAYS unplug and stow remote when not in use. Replace cap on remote cable connector (if applicable).

STOP! RELEASE BUTTON WHEN JACKS MAKE A RATCHETING SOUND.

This indicates that the jack is fully retracted and the motor override clutch has engaged. **When operating all 4 jacks at once**, stop at first sound of ratcheting, then individually retract each jack until it just begins to ratchet, then momentarily press the UP Button (1-2 seconds) to release tension on the jack. Ratcheting for more than 2-3 seconds has the same effect as an impact wrench and could **cause the jack to seize**. Prolonged ratcheting of the override clutch could result in jack or motor damage. If jack has seized in the retracted position due to prolonged ratcheting or infrequent use, disengage motor head, insert manual crank into crank socket and turn **COUNTER CLOCKWISE** to free jack.

INITIALIZING & SECURING THE REMOTE SYSTEM

Plugging in the Remote Control Unit turns the system on; Unplugging it turns the system off. When the remote is plugged in the STATUS INDICATOR should glow **GREEN**. If the indicator light is not lit, or changes color, or goes out during operation, proceed to troubleshooting guide on back page of this booklet. **ALWAYS** unplug and store remote in a dry place when not in use and securely tighten the weather cap on the remote connector box (if external).

SYMPTOM

POSSIBLE CAUSES

ACTION REQUIRED

One or more jacks begin running when remote is plugged in	Microprocessor error "Dirty" DC power from converter.	Unplug remote, wait 15 seconds and plug back in. If problem persists call Happijac support.
No Indicator Light when remote is first plugged in.	Bad connection Dead or very low battery Blown fuse or fuses on main logic. Inline circuit breaker/fuse tripped or blown	Check connections at remote, pass-thru, and main logic board. Check and charge battery. Replace blown fuse(s) Reset breaker / replace fuse.
Indicator light turns red during operation.	Insufficient voltage from battery to run multiple jacks	Unplug remote wait 15 seconds then plug back in. Operate fewer jacks at a time until battery is charged.
Light turns yellow during operation	System has timed out	Simultaneously press buttons 5 & 6 to reset system.
Light is green but jack(s) will not run		Insert crank handle and turn while pressing corresponding remote button. When jack begins to turn under power, remove hand crank.
Jack makes a ratcheting noise but does not extend or retract.	Jack is bound up and motor clutch is ratcheting to protect the motor.	Flip the motor release lever and hand turn the jack a few turns. Remove the handle, reset lever and continue remote operation.

MANUAL JACK OPERATION

In the event that it becomes necessary to operate one or more of the jacks manually due to a malfunction of the system, or a dead/low battery condition. Follow this procedure.

1. Flip the motor release / locking lever (on the side of the jack) to the **DOWN** position. This will disengage the motor head from the jack allowing it to turn freely by hand.
2. Insert hand crank into crank socket on jack and manually raise or lower jack.
CAUTION: Just as when using the remote feature, be careful to keep camper relatively level and do not allow the front of the camper to become lower than the rear.
3. **ALWAYS** return the lever to the **UP** position when not hand cranking. This engages the motor head and locks the jack, preventing possible accidental extension.

HAPPIJAC TECHNICAL SUPPORT: 1 (800) 231-7440

OPERATING THE HAPPIJAC REMOTE ELECTRIC JACK SYSTEM

IMPORTANT OPERATING NOTES

When the jacks have sat unused for an extended period (over the winter, etc.). It is advisable to use the hand crank to turn each jack a few turns before engaging the motors. Place motor release lever in down position to do this, then be sure to reset the release lever to the up (locked) position. **A few drops of light oil placed at the interface of the crank socket and hub will wick into the bushing and improve jack operation.**

BASIC OPERATION

The buttons in the lighter background correspond to the jack locations (looking forward from the rear of the camper). Hence, buttons 1 & 3 control the left front jack, buttons 2 & 4 the right front, etc. **IMPORTANT: Arrows on buttons indicate direction of camper movement (red buttons raise camper, blue buttons lower camper)**

SPECIAL OPERATING FEATURES

ALL DOWN - Press and hold button 5 and all 4 jacks retract into their upright position for road travel.

ALL UP - Press and hold button 6 and all 4 jacks extend to ground level in preparation to RAISE the camper.

CAUTION: Because the weight of the camper is not the same at all four corners, the jacks will not raise and lower at the same speed. Be careful not to get camper very far out of level. Generally no more than 4-6 inches. When running all four jacks, stop often to check level and ensure that all 4 jacks are on the ground.

DOUBLE CLICK - Double click and hold button 1,2,3 or 4 and it will activate both jacks on the corresponding side.

Example: **Double click and hold button 1:** Both the front and rear jack on the Left side will extend to raise the camper. Double Clicking button 3 would lower the Left side (both front and rear).

Note: Once one side has been double clicked, pressing the corresponding button on the other side will activate both jacks on that side as well (all 4 running).

SPECIAL SAFETY FEATURES

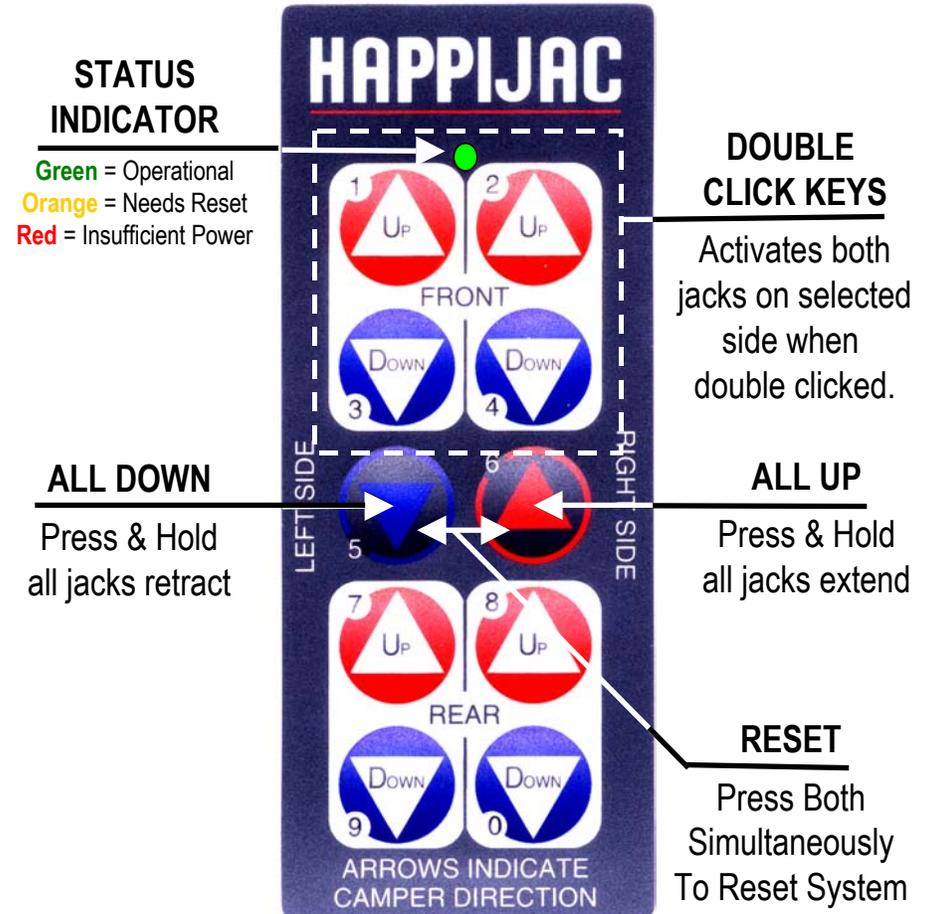
OPERATIONAL TIME OUT - Any button held down for 1 continuous minute will cause a time out and disable the remote. The indicator light will turn **ORANGE** and all operation will cease. The purpose of this feature is to minimize the risk of getting the camper dangerously out of level. To **RESET**, simply press buttons 5 & 6 simultaneously.

IDLE TIMEOUT - If remote is left plugged in and no buttons have been depressed for 2 minutes, system will shut down and indicator light will turn **ORANGE**. The purpose of this feature is to shut the system down if the remote is left plugged in and is not in use, thus reducing the possibility of tampering or accidental activation by children, etc. **RESET** by simultaneously pressing buttons 5 & 6.

CAUTION: Always unplug remote when not in use and store in a secure, dry place. Securely tighten the weather cap on the remote connector.

QUICK REFERENCE

Read Instructions for more detail



ARROWS INDICATE DIRECTION OF CAMPER MOVEMENT

RED BUTTONS: RAISE CAMPER (Jacks Extend)
BLUE BUTTONS: LOWER CAMPER (Jacks Retract)