### Troubleshooting Guide

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

### 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).
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

STATUS INDICATOR
Green = Operational
Orange = Needs Reset
Red = Insufficient Power

DOUBLE CLICK KEYS
Activates both jacks on selected side when double clicked.

ALL DOWN
Press & Hold all jacks retract

ALL UP
Press & Hold all jacks extend

RESET
Press Both Simultaneously To Reset System

ARROWS INDICATE DIRECTION OF CAMPER MOVEMENT
RED BUTTONS: RAISE CAMPER (Jacks Extend)
BLUE BUTTONS: LOWER CAMPER (Jacks Retract)