

TROUBLESHOOTING

Symptoms	Possible cause
A. MAGNET DOES NOT TURN ON.	1) To operate the magnet, the LIFT button on the Front Panel or the I.R. remote must first be pressed. If no display lamps turn on, then the battery voltage may be below 11.3 volts, the minimum operating level for the magnet. Charge the battery for at least 20 minutes.
	2) Check the battery terminals for corrosion, and clean if necessary. Dirty terminals reduce the voltage to the magnet.
	3) Check the LED on the remote to assure that it lights when the buttons are pressed. If this does not happen, change the battery in the remote.
B. ALARM WON'T STOP SOUNDING AFTER MAGNET IS TURNED ON.	1) When the magnet is turned on, the alarm will normally sound for a few seconds while the magnet energy builds to the proper level for safe lifting. If the alarm continues sounding after several seconds, then the battery level may have fallen below the danger level after the magnet was turned on. NEVER ATTEMPT TO LIFT A LOAD WHILE THE ALARM IS SOUNDING OR THE RED DANGER LAMP IS ON. The danger level is 11.3 volts and the magnet should not be operated once the battery falls below this voltage. The battery must be recharged before further use.
	2) The alarm will also sound if there is a break in the magnet coil, the magnet cord, or the control circuit. Check to see if the magnet is plugged into the female twist-lock receptacle. Twist the plug to the right and lock it. The magnet plug must be properly locked in the female receptacle for safe operation. If the alarm persists, even after the above measures have been taken, do not attempt to use the magnet. Call 1-800-W-MAGNET and ask for technical assistance.
	3) Check the label located on the back of the control unit (inside the battery compartment) to be certain that is the correct control for your magnet model. Controls are calibrated for use the specific models.
C. DISPLAY LAMPS TURN OFF RAPIDLY.	1) After a complete battery charge, ALL the charge level lamps should light when the LIFT button on the Front Panel or I.R. remote is pressed. The green lamps will turn off as the battery discharges, and will turn off faster with higher power consumption lift magnets. (WBM-36, WBM-50, WBP-7 and WBP-15) than with the WBM-13 and WBM-25 magnets. However, if the last green lamp(s) turn off minutes after the magnet has been turned on, this does not necessarily indicate a problem with the charger. Instead, it could be indicating the battery's inability to accept its original full charge level.
	2) As lead acid batteries age or become damaged internally, they become unable to accept the full charge storage capacity, the lamps will begin to turn off sooner for the same previous "on time". With increase aging and/or damage and even less charge storage capacity the lamps will progressively turn off faster. Replacement batteries of lower reserve capacity than recommended will result in the lamps turning off more rapidly and providing less usage time between charges. Therefore, the user is cautioned to: OBSERVE THE BATTERY CHARGE LEVEL LAMPS FREQUENTLY DURING EACH LIFT. IF THE RED LAMP GOES ON AND/OR THE ALARM SOUNDS DURING A LIFT, SET THE LOAD DOWN IMMEDIATELY.
	3) Check the condition of the battery. Remove the battery from the magnet, and fully charge on an external charger. After completing the charge, check the battery voltage using a voltmeter. The battery voltage should read approximately 12.7 volts at a full charge. Let the battery sit for 15-20 minutes and re-check the voltage. If the voltage has dropped, replace the battery.

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D. ALARM DOES NOT SOUND.	1) The alarm should always sound when the magnet is on a load and the LIFT button on the I.R. remote is pressed; or whenever the red DANGER light turns on. If the alarm does not sound, DO NOT USE THE MAGNET. Call 1-800-962-4638 and ask for technical assistance.
E. RED "DANGER" LAMP DOES NOT LIGHT.	1) The red DANGER lamp should always turn on when the LIFT button on the Front Panel or I.R. remote is pressed and whenever the alarm sounds. If the red lamp does not light, DO NOT USE THE MAGNET. Call 1-800-962-4638 and ask for technical assistance.
F. MAGNET NOT HOLDING.	1) A non-magnetic space (air gap) introduced in between the magnet and the work piece being lifting will cause a reduction in holding power. This air gap can be caused by any non-magnetic separation such as rust, paper, paint, dirt, scale, and burrs on either surface.
G. MAGNET WILL NOT RELEASE.	1) Check the lights on the control panel and assure that they are flashing. If the lights are steady, release any residual tension on the lift bail until the lights flash. NOTE: If the lift bail is fully relaxed or the crane hook is allowed to rest on the lift bail, the lights may not flash. Raise the lift bail until the lights flash.
	2) Check the LED on the remote to assure that it lights when the buttons are pressed. If this does not happen, change the battery in the remote.
H. BATTERY NOT CHARGING.	1) Check the battery terminals for a good clean contact. Clean, if required to remove any corrosion. A battery will not charge properly with corroded terminals.
	2) Check for proper operation of charger. The power cord should be plugged in and the magnet should be turned off. Check the fuse located in the cord receptacle. If the fuse is blown, replace with 1 amp Slo Blo 5x20 mm type. Check the cables for any damage. When charger is initially plugged in, at least one of the display lamps should turn on. If not, see section (I) below.
	3) As lead acid batteries age and/or become damaged internally, they do not retain the full charge capacity. Indications of the on-set of these battery conditions may be observed by the charger requiring longer periods of time to turn on the "complete" lamp or possibly not being able to reach a charge level to turn on the "complete" lamp.
	4) If the magnet was left on and the battery allowed to drop below 8 volts, the magnet's power relay would remain latched "ON" even if the RELEASE buttons on the I.R. remote were pressed. Under this condition, the magnet coil would load down the battery preventing it from being charged. The solution is to charge the battery with an external charger. Then, when it is connected to the circuit, the relay will reset itself.
	5) Check the output of the charger. This can be done by a qualified electrician using an amp meter (capable of handling 10 amps) connected in series between the (red) positive battery cable and the positive (+) terminal battery. Read section (I).
I. DISPLAY LAMPS DO NOT TURN ON WHILE CHARGING.	1) When the power cord is connected to a 115VAC power source, the red "CHARGE ON" light should turn on within 10 seconds to indicate the battery is being charged. As the battery charges, the yellow and green "BATTERY CHARGE LEVEL" lights will gradually light up. When the charging voltage reaches approximately 14.5 volts, the "BATTERY CHARGE LEVEL" lights will go out and the green "Complete" light will flash. This indicates that the charger is now "topping off" the battery. The charging voltage has reached its maximum, and the charger is waiting for the charge current to drop to a present level. When this happens, the charger goes into a "Float" mode to maintain the battery charge. There may be a significant delay before the charger reaches its maximum voltage, or the time it takes the charge current to drop to the preset level. The length of this delay is dependent on the characteristics of the individual battery. It may extend to hours or even days, and does not indicate a problem with the charger.
	2) If no lamps at all go on when the charger is initially plugged in and the magnet is turned off, then the battery level may have fallen so low that the charger cannot operate. Check the battery voltage. If the voltage has fallen below approximate 8 volts, the charger may not turn on immediately. If it doesn't turn on within a few minutes, then the battery may be worn out. We suggest replacing the battery or charging it with an external charger, then carefully watching its performance. If the lamps turn off rapidly as discussed in section (C), REPLACE THE BATTERY.
	3) The charger has built-in thermostat, which shuts off the charger if it gets too hot. When the charger has cooled off, the charging will resume, and the display lamps will turn on again.