

DIAGNOSTICS FOR 24 VOLT DC - VSD POWER UNIT & 12 VOLT DC - WINCH MODELS

RETAIN IN BATTERY BOX FOR FUTURE REFERENCE

LIFT WON'T GO UP OR DOWN

- 1** Check reset on Advanced Switch Control (ASC) (shuts off lights & wireless remote).



If breaker has tripped it should reset after a couple of minutes when it cools down.

- The motor may be drawing too much current and could blow fuse/trip breaker again.

Check the following:

- Is lift overloaded?
- Has lift exceeded its max run/cycle on time?
- Is brake improperly engaged?
 - With **WINCH** units, the brake will drag if cable is wound up backwards on drum. REFER TO DECAL ON WINCH CORNER POST.
 - With **VSD** units, if brake is not releasing it will draw excessive current. You should hear the brake "CLICK" on the outside end of VSD power unit box when raising or lowering lift.
 - Also, something may be causing friction in the system, such as a problem in the drive train or the cable/pulley system.

- 2** Key on wired remote is ON.



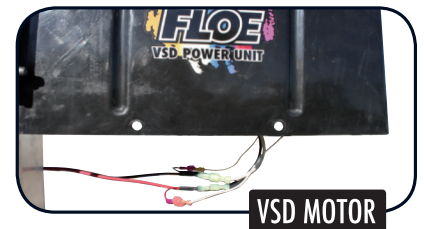
- 3** Check battery condition and charge. Each battery should have between 12.7 and 13.8 volts. Make sure battery connections are corrosion-free and tight.



- 4** Connections (3) from ASC going to limit switch and remote(s) are plugged in properly and making positive contact.



- 5** Wire connections from the ASC to the motor are corrosion-free and making positive contact. On VSD lifts, remove underside of motor cover to view connections. On winch lifts, release rubber grommet to view connections.



VSD MOTOR



DC WINCH

See owner's manual for additional details and troubleshooting

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LIFT WILL ONLY WORK IN ONE DIRECTION

You may have a problem with the End Of Travel Limit Switch(es)

- 1** Test by using limit switch bypass plug located inside tool pouch near ASC.



- 3** If the cradle is up, press the down button and vice versa.

USE EXTREME CAUTION! When using bypass plug, the limit switches no longer shut down lift when it reaches end of travel.

YOU MUST NOT run lift either all the way up or all the way down or you can **DAMAGE THE LIFT.**

- 2** Unplug the limit switch plug (black, no zip tie) going into the ASC and replace it with bypass plug.



- 3a** When going **UP**, stop before the "Stop Here" decals located on the cradle and corner post.



- 3b** When going **DOWN**, stop as soon as the cradle stops moving and the cable becomes loose.