

9.6 Winch system

The M8000 winches on the boat trailers are operated by 3 main components, a switch in the cab, which engages a solenoid under the hood, and the switch on the trailer itself. The switch in the cab should remain off unless the winch is being used. **DO NOT LEAVE THIS SWITCH ON**, this will lead to other problems including dead batteries and premature failure of the solenoid or other components. To diagnose a problem, first establish if power is being sent out to the winch by checking for voltage either with a test light or a voltage meter at the connection point between the truck and the trailer. If you don't have power here, check to make sure the switch inside the cab is turned on, then proceed to check the solenoid and its connections under the hood. Refer to the video as to how to verify voltage on the output side of the solenoid. Once voltage is verified to the trailer, if the winch is still not working, check for loose grounds and/or bad connections in the wiring. Lastly, to eliminate the switch on the trailer as a possible failure point try the corded switch that plugs into the winch directly.

- Verify voltage at plug between truck/trailer
- Check solenoid and wiring connections
- Double check loose grounds
- Use a known good corded switch