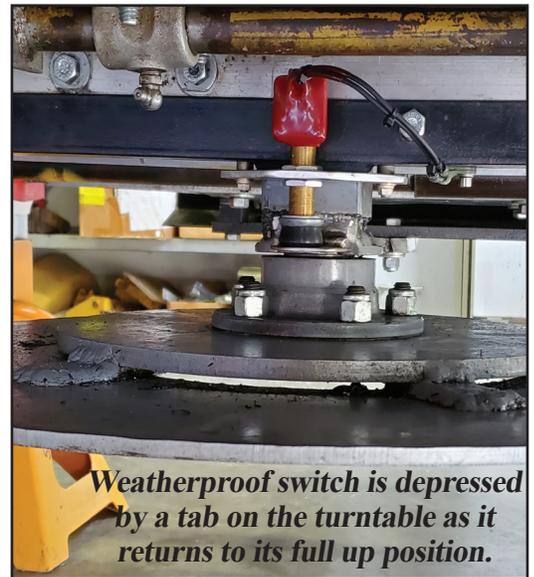


# TURNTABLE SAFETY UPGRADE

BY DOUG ANDERSON

My turntable is electric, but it's not the common Les King style. It is a 3500 lb. electric trailer tongue jack that was adapted to this application. The turntable plate has a bearing for support and easy rotation. The welded lower plate assembly is bolted to the bearing support with 6 bolts using nylon insert locking nuts.

Turntable power is standalone system. I utilize a guarded system on/off switch and indicator light. Turntable power is not connected to turntable warning by any means. In normal operation, turntable power is off. It takes two actions to energize the turntable motor; open the guard and flip the lever.



The “turntable unsafe” warning is also a standalone system. It is powered by the ignition side of the starter switch, so anytime the ignition switch is ON, the warning system is powered regardless of any other switch position on the motorcar. Ignition “on”-- turntable warning “on” works for me. The

warning light and horn are activated by a weatherproof switch (Cole Hersee 90043-07 push button switch) mounted at the base of the turntable actuator and the push button is depressed by a tab on the turntable as it returns to its full up position. If the turntable drops more than 1/4” the warning system activated. The only means of cancelling the warning horn/light is if the turntable is fully stowed in the up and locked position.

I do have an aircraft circuit breaker installed on the panel for the turntable warning system. It will deactivate the turntable warning, however that is not it's intent. I can visually look at the CB and see that if it's tripped, and if so, I'm running without TT warning activated and the problem needs to be addressed immediately. Here's what can happen if you were to have the fuse for the system installed out of sight and the fuse blows. You as the operator won't know the system is inoperable until you run the turntable down or the worst-case scenario, the turntable falls. That's the nice thing about aircraft circuit breakers compared to fuses, the visual indication and they are resettable.

