

How the JBDL Downlight System is powered by a RIGID vehicle and the Checks for the System to working correctly

Once the system is connected up fully:

Slow-speed Function

1. Turn ignition ON – the downlights should come ON.
2. Take the vehicle/trailer above 15 kph – the downlights OUT.
3. Slow back down again below 16 kph – the downlights ON.

For the JBDL system to work on a RIGID vehicle (prime mover), there has to be a switchable permanent power source from the ignition **VIA the rigid speed reader control box**, to the JBDL system Control Box. So when the ignition is turned on, there is 24v going to the JBDL Control Box. It must **NOT** be a permanent power source such as the 'daytime running lights' since this will disable the slow-speed function of the JBDL system. Once the vehicle goes above the programmed speed in the rigid speed reader, the 24v supply to the JBDL system stops and becomes 0v. This is done through the JBDL control box. This function overrides the following two functions.

Sidelight Switch

1. With the sidelights ON – the vehicle/trailer should be taken ABOVE 15 kph and the downlights stay ON.

The ignition **MUST** be on for this function to work.

Flashing

With the indicators 'Left' and 'Right' being applied separately, the downlights on each side should flash in unison.

1. Finally, turn ON the hazards – all of the downlights should flash.

The ignition **MUST** be on for this function to work.