TROUBLESHOOTING

The IntelliRide system will not level. One corner is exhausted and the other is at ride height. The LED height display shows a constant flash on the upper LED.

- The system is showing that there is too much of a distance between the right and left height sensor arms – caused by either an air leak on one side or by parking one side of the vehicle on a large pavement. An immediate solution is to put the system into service mode - exhaust the air from the side that is at ride height (using the supplied Schrader Valves). Take the vehicle out of service mode – put the ignition on and the vehicle should rise to the set Ride Height. If this problem occurs from parking on a high pavement – please contact Driverite at eng@driveriteltd.com for a permanent solution.

The height change works, but the IntelliRide system will not level. One corner is exhausted fully. The LED height display shows the current height.

- The left and right valves are switched. Correct the air line connection with the corresponding air spring location and the solenoid valve connection.

On the IntelliRide system the height change works but leveling is confused. The system is very active and unable to achieve level. The LED switch displays the current height.

- Either the left and right valves are switched, or the left and right height sensors are switched. Correct air line connection with air spring location and solenoid valve block; or position height sensor locations according to the wire harness labels.

On the IntelliRide system the height change up will not work; will not level up. The current height is displayed on the LED lights.

- The possible cause is the inlet valve is removed. Check for pinched airlines and check wire connections to valve block.

On the IntelliRide system the height change down will not work; will not level down. The current height is displayed on the LED lights.

- The possible cause is the exhaust valve is removed. Check for pinched airlines and check wire connections to valve block.

On the IntelliRide system the height change will not work properly; system will attempt to height change and will go back to previous height. Will not be able to level corner. The LED lights show that the current height is displayed.

- The possible cause is any corner valve is removed. Check for pinched air lines and check wire connections to valve block.

The IntelliRide system cannot make a height change; the compressor will not run. The LED lights toggle slowly.

- There are a few possible causes:
  (1) The possible cause is the compressor fuse is blown.
  (2) Compressor power not connected.
  (3) Ground on relay connector not connected.
  (4) Compressor not grounded.
  Solution: Check the compressor ground, compressor fuse and relay connections.

The IntelliRide system will not level or height change to the set height. The LED lights show the current height.

- Calibration height set too far from the standard vehicle height. Redo calibration height so that it is approximately 1-inch (25mm) below the standard vehicle height.

The IntelliRide system is very active at one height. The LED lights show that the current height is displayed.

- A possible cause is that the handbrake wire is not connected, meaning the system is looking to level the vehicle every 5 seconds instead of every 40 seconds. Please install the handbrake wire as described in the installation manual.

The diagnostic lights on IntelliRide system toggle fast as though it is attempting to change heights, and the valve block clicks trying to pass air. However no height change occurs and there is no air pressure within the reservoir tank (if fitted).

- There are a few possible causes:
  (1) There is a potential blockage in the air dryer.
  (2) The compressor connections are not sufficient.
  (3) The pressure sensor is not connected.

The IntelliRide system is locked down, with no functions. Both of the lights on the LED switch flash slowly.

- There are a few different causes and solutions:
  (1) The pressure sensor is unplugged. Insure that the pressure sensor is torqued into the valve block at the recommended torque value of 7.2 ft-lbs (9.8 N-m). Make sure pressure sensor is plugged in firmly. (only for systems with an air tank fitted)
  (2) The height sensor(s) is/are unplugged. Insure that each height sensors is securely connected into the wire harness.
  (3) The height sensor(s) is/are out of range. Insure that the height sensor arm travels within the recommended yellow area of the height sensor template. It is also important that the height sensor are mounted correctly with the wire connection pointing up.
  (4) The pressure sensor is out of range. Insure the pressure sensor connector is fully inserted and wires into the connector are not exposed (only for systems with an air tank fitted)
  (5) +5Volts removed. Ensure sensor power wire is inserted on the ECU connector.

The System is locked down, no function. The system will not level or change height. The lights toggle slowly.

- The ground is removed from the valve block. Check grounding on valve block wire.

The System is locked down, no function without any indication from control switch.

- There are few potential causes and related solutions.
  (1) System is off due to the main ground removed. Check all fuses, power, ignition and ground connections
  (2) The system is off due to the voltage battery is removed. Check all fuses, power, ignition and ground connections.
  (3) The ignition connection is removed. Check all fuses, power, ignition and ground connections.
  (4) The service switch is showing red. Turn the service switch so that it is showing all black.
  (5) Make sure the ignition wire is connected to a source of less than 1/2 amps.

The System will not function. The leveling and ability to change height is disabled. Both lights flash slowly.

- The pressure sensor low limit failure caused by grounding out. Insure the pressure sensor connector is fully inserted and wires into the connector are not exposed. (only for systems with an air tank fitted)

The vehicle system will attempt to raise the vehicle, but after an extended period of time the attempt is unsuccessful and the vehicle returns to its previous height.

- The IntelliRide system is designed to time-out if a height is not achievable. Common reasons for an unachievable height change include:
  1) the air springs are too large and have air volume requirements that exceed the capabilities for this specific air system or,
  2) the air springs do not have enough load capacity to lift the vehicle.

The System will not change heights.

- The handbrake wire must be connected properly and the vehicle must be in park to allow height change.