

Installation Guide

IntelliShift VG-800

With RFID Reader

Installation of your new device should be performed by a 12V certified technician or mechanic familiar with automotive 12V systems.

**Pro Tips:**

Before you get started, make sure to associate the IMEI number with the vehicle number. This makes it easier to activate on the IntelliShift platform.

Getting Started

Installation Tips for Paired Devices:

- These devices are also pre-assigned to specific vehicles by VIN number and cannot be installed in other vehicles.
- The assigned VIN number can be found on the sticker on the outside of the plastic bag, pictured here
- During initial installation, the vehicle should ideally be outside to ensure the best GPS signal. The devices may not report a location to the satellite if it is inside a garage or other structure.
- [Watch this video](#) to walkthrough a typical installation and read the **step-by-step instructions** below. Note that your vehicle and cables may vary slightly from the examples shown here.



OBD and JBUS cables/connectors

For vehicles with an OBDII style port (1996 or newer model years), our OBD connector is required for installation. The harness plugs directly into the vehicles OBDII port and into our device. The device can then be installed under dash as close to the windshield as possible.



For vehicles with a J-Bus style port we offer various types of plugs to suit your installation needs. The harness plugs directly into the vehicles J-Bus port and directly into our device. The device can then be installed under dash as close to the windshield as possible

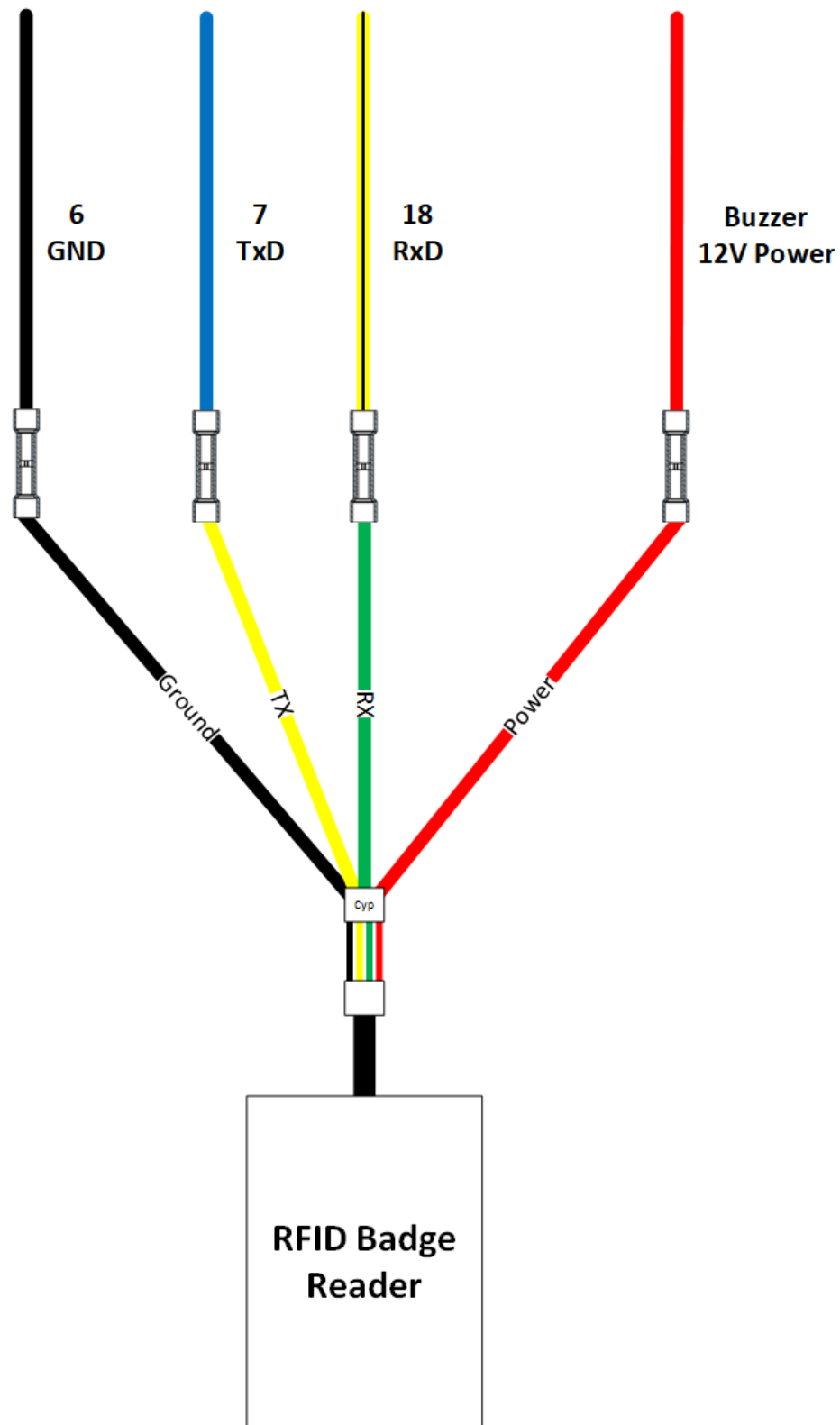


Green Power Harness: Works with 9 Pin J1939 Diagnostic Plugs



Gray Power Harness: Works with 6 Pin J1708 Diagnostic Plugs

VG800 RFID Wiring Schematic



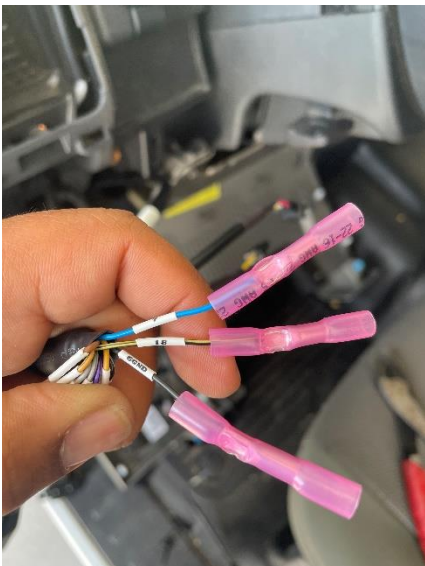
Installing the VG800 RFID Reader

1

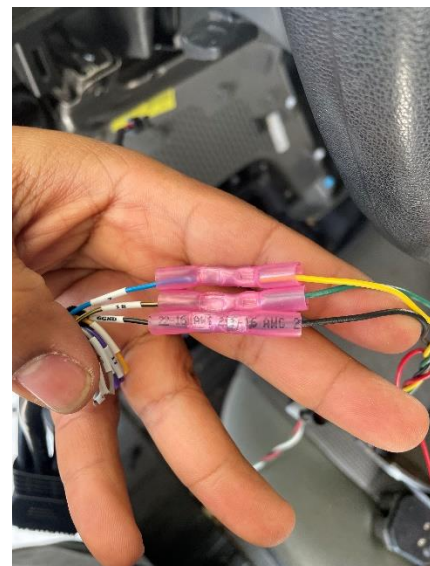
Locate the converter harness for your RFID reader. There will be the word "Cypress" on one side of the label. Find the 10pin connector.

2

On this end of the harness, please cut off the 10pin connector and strip back the 4 wires.

3

Locate the 6, 7 and 18 wires off your VG800 harness.

4

Connect the Black from the RFID to pin 6, the Green from the RFID to pin 18 and the Yellow from the RFID to pin 7.

5

Plug in the provided buzzer to your VG800 harness. There will be a 3pin connector this slots into.

6

Splice the power wire on the buzzer and take the Red wire from the RFID and loop it thru. Secure with Tape and a zip tie.

7

Secure your harness, along with any other wiring, within the dash.

8

Start your vehicle and scan a badge against the badge reader to confirm operation.

Installing the VG800 GPS device

For vehicles with a J-Bus style port we offer various types of plugs to suit your installation needs. The harness plugs directly into the vehicles J-Bus port and directly into our device. The device can then be installed under dash as close to the windshield as possible.



Pro Tips:

Before you get started, make sure to associate the IMEI number with the vehicle number. This makes it easier to activate on the IntelliShift platform.

1



Open the box and find the gateway device, cable, and equipment

2



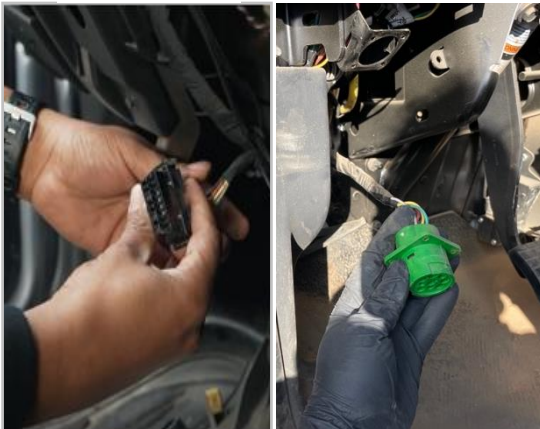
Locate Serial Number. Each Gateway has been pre-assigned to a specific vehicle and must be installed in that vehicle only.

You can find the assigned Vehicle VIN number can be found on the sticker on the outside of the plastic bag.

Light Duty

Heavy Duty

3



Heavy duty Note, refer to your vehicles owners manual to confirm the type of connector.

With the engine off, locate the diagnostic port inside the vehicle.

4



The cables have a male, female port and gateway connector.

5

Connect the male port to the vehicles diagnostic port.

6

Connect the Gateway Connector into the Gateway

7

Connect the Gateway Connector into the Gateway

8

Power on the device. During the boot up process the device will flash Orange and Green for 1 second and then go off. This represents the device powering up.

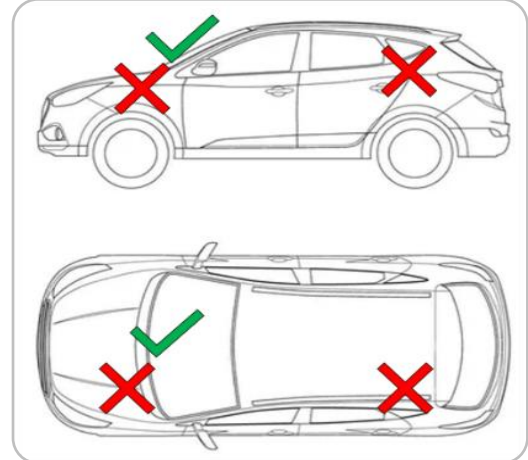
After 15 seconds both lights will come back.
Solid Orange means the device has established a connection with our server to report data

Once you see the **green light** on the gateway blinking, now you can start the engine

9



Place the gateway high in the dashboard. Make sure that the correct side is facing toward the sky.



DO NOT install the unit underneath metal as the signal will not penetrate and reach the satellite.

The device should be installed under the dashboard with a clear line of sight to the sky, and as close to the windshield as possible. Place device with barcode decal facing downward.

10



Before finalizing installation, contact Installation Verification at 631-339-7185 to verify the device is properly reporting to the IntelliShift Platform.

Support will be available, and instructions for after-hours check in, ie: Support is on call from 7am – 10 pm ET (7 days a week) Check with your company for confirmation if more times are available.

Important:

Installation performed by anyone other than a 12V certified technician or mechanic familiar with automotive 12V systems may result in damage to your vehicle or injury.



Before finalizing installation, please contact our Installation Verification at 631-339-7185 to have them verify the vehicle is visible in the platform and is registering properly.