



American Intermodal Management

LV300.PS & LV750 Installation

January 22, 2021



Regulatory Notification



FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment has been tested and meets applicable limits for radio frequency (RF) exposure. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Chassis Installation – LV300.PS and LV750 notations



- The LV300.PS device is installed on the rear-facing side of the crossmember.
 - Note its cable must be routed toward and able to reach & connect to the OEM-pre-installed 7way power cable.
- The LV750 device is installed on the rear-facing side of the crossmember with Sensor cable pointing to the curb side .
- The LV750 Strain Gauge measurements must be made only after the Chassis assembly has been completed and sitting while it is sitting on its own landing gear, unloaded on level ground.
- Installation documentation is to be sent to PowerFleet at the end of each day.
- Both devices should be installed centered, left to right and top to bottom, on the crossmember.
- No other Telematics devices should be installed within 3ft of the LV300.PS or LV750.

LV300.PS / LV750 Installation – Required Tools and Supplies:



- **Required Tools and Supplies.**

Safety Glasses	Cut Resistant Gloves
12 Volt Power Source with 7-Way cable.	Android Smartphone with Wi-Fi connection.
M3 Hex Insert Bit, 1/4" Hex	Torque Limiting Screwdriver, 1/4" Hex (19 to 90 inch-lbs.)
7/32" Drill Bit	Cordless Drill with Battery
3/16" Drill Bit	Loctite 262 Thread locker (or similar)
Ratchet (1/4" drive)	Spring-loaded Punch
3/8" Deep Well Socket (1/4" drive)	1/4" Drive Extension Bar (6" length)
5/16" Combination Wrench	5/16" Socket
Apex Male Hex Power Drive Extension, With 1/4" Male Square	Flush Cut Diagonal Cutter or Cable Tie Tool
Dielectric Grease	GEOKON GK404 Display & Adapter Cable
Torx T15 Driver	11/32" Combination Wrench

Geokon GK-404 Readout Tool, Android Smartphone



- Geokon GK-404 Readout Tool.
- Geokon Cable with Weight Sensor Connector.
- Android smartphone with WIFI connectivity

Note: Geokon Readout tool and Android smartphone provided on loan by PowerFleet.



Torque Specifications



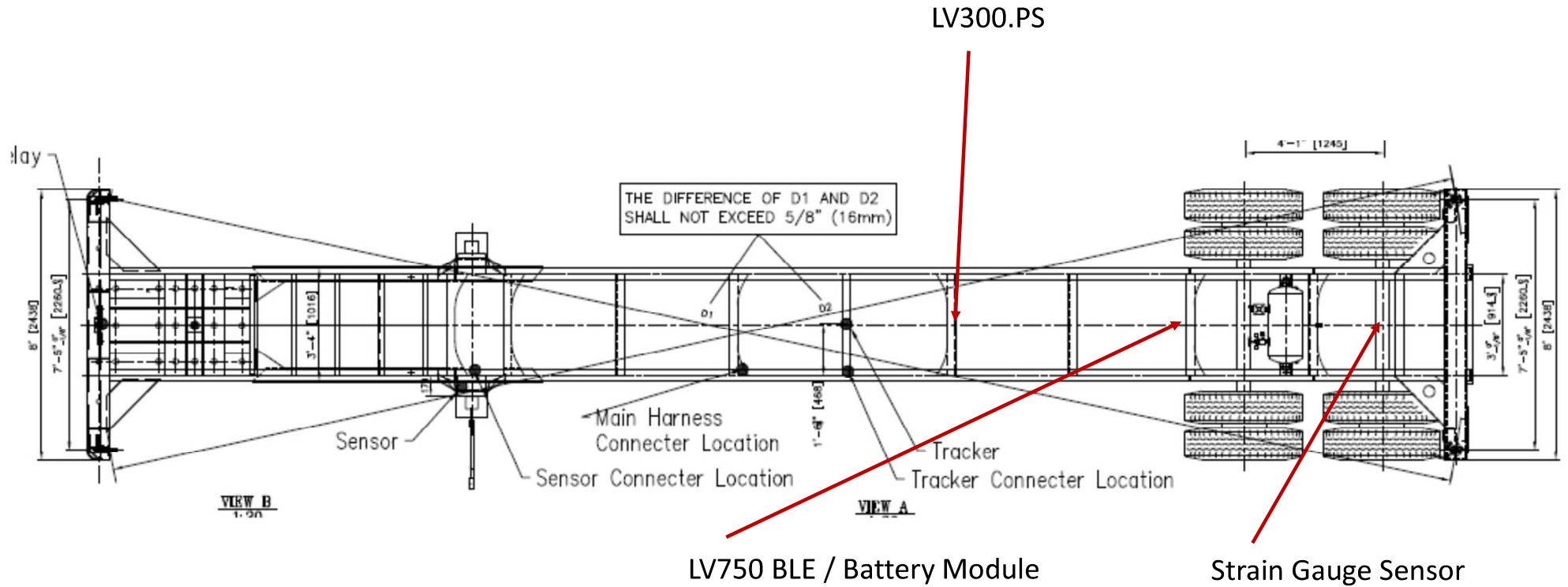
- **LV300.PS**
 - 8/32 Stainless Steel Screws 19 Inch-lbs.
- **LV750**
 - 10/32 Stainless Steel Screws 19 Inch-lbs.
 - Worm-Gear Claps 70 to 90 Inch-lbs.
 - Weight Sensor Blocks (A&B) 20 to 36 inch-lbs.



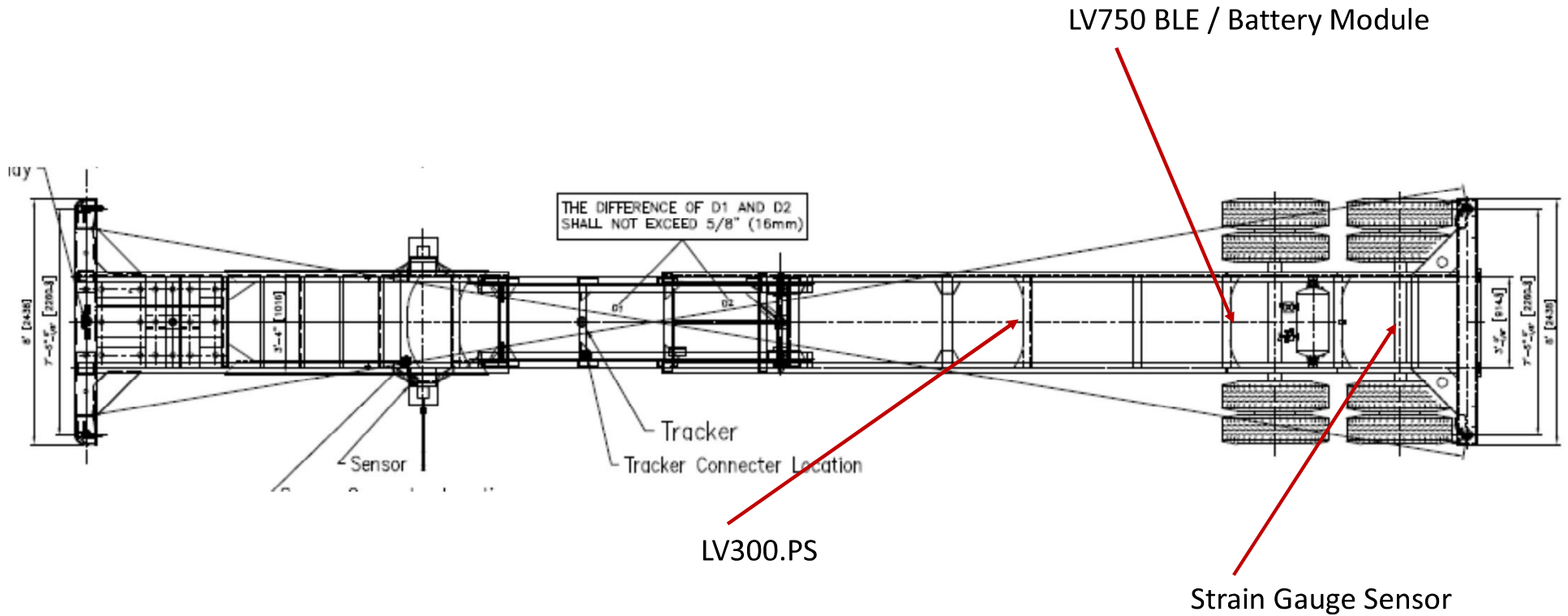


1. Identify Chassis, LV300.PS & LV750 for installation.
2. Pair LV750 to LV300.PS and associate to chassis.
3. Activate devices.
4. Perform installation.
5. Document installation.

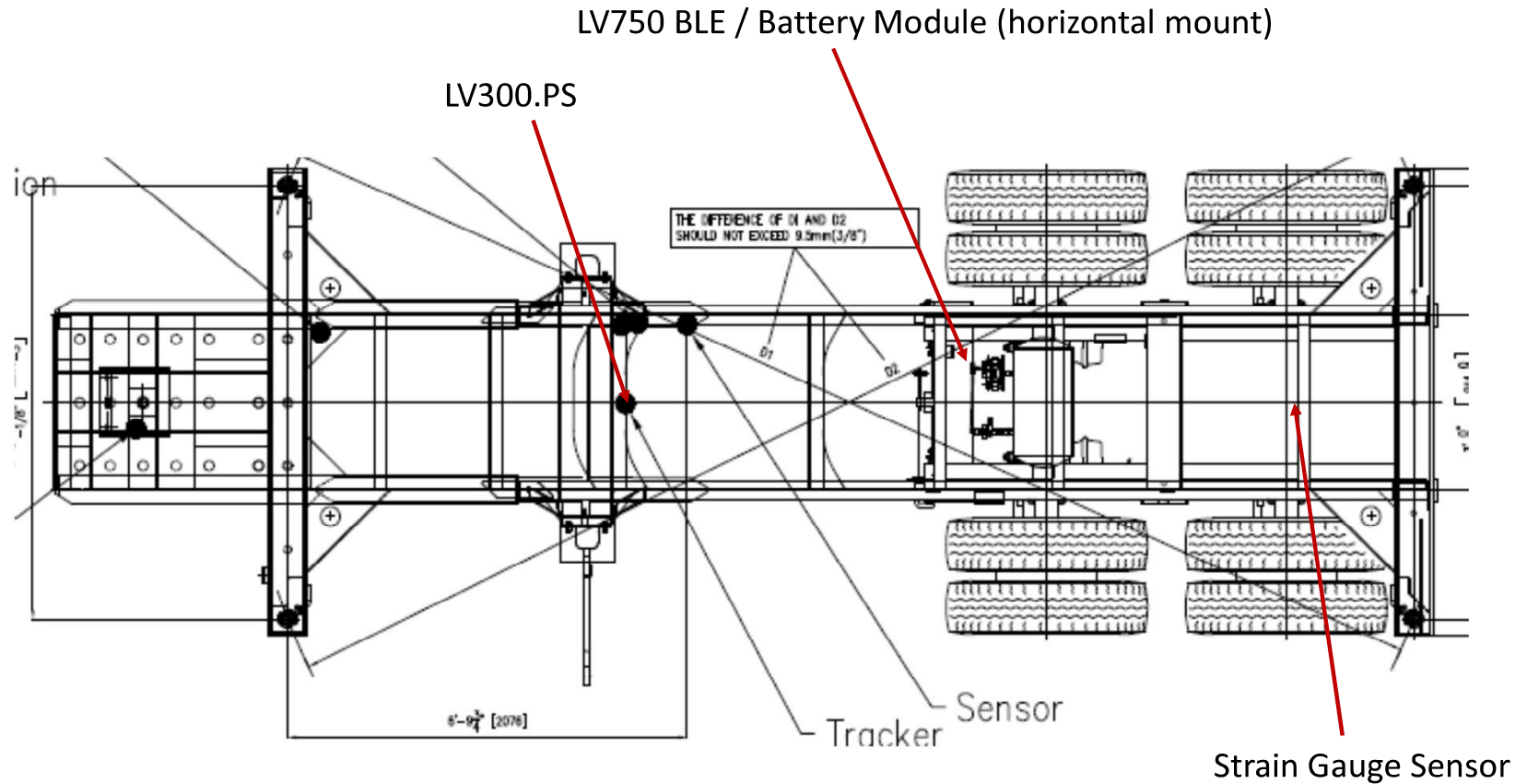
40' GN Chassis Installation Diagram



40'/45' SL Chassis Installation Diagram



20' SL Chassis Installation Diagram



Device Pairing & Association



- Entity Association App
 - Android device with WIFI connectivity to the public internet.
 - Quick, easy and accurate
- Hyundai Translead Association App and Fleetview portal login credentials:

Login: htl@aim.com
Password: Chassis!

Login: htl1@aim.com
Password: Chassis!
- Questions, contact PowerFleet Customer Support
 - Email - logisticssupport@powerfleet.com
 - Phone - 888-417-1736

Entity Association App Steps



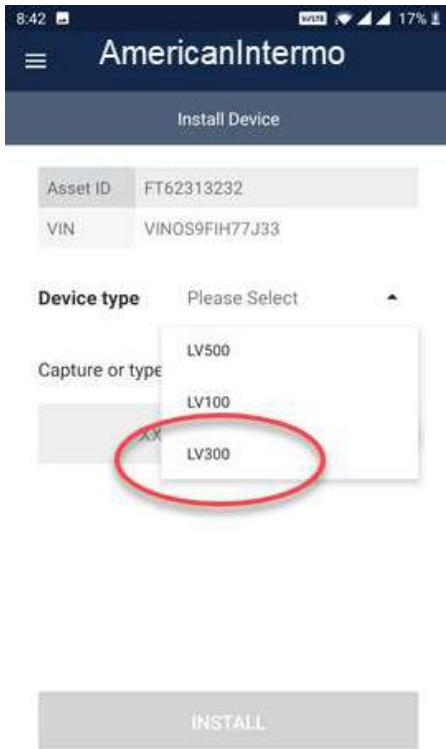
Login

Select "AmericanIntermo" from the pulldown and Start New Association

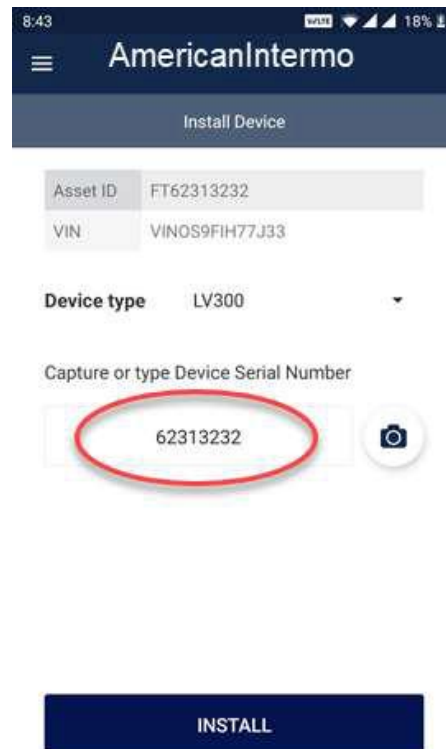
Select Asset type 20GN, 40GN or 45SL (depending on build) from Asset type dropdown list

Enter Chassis Id (no spaces) & Last 6 VIN

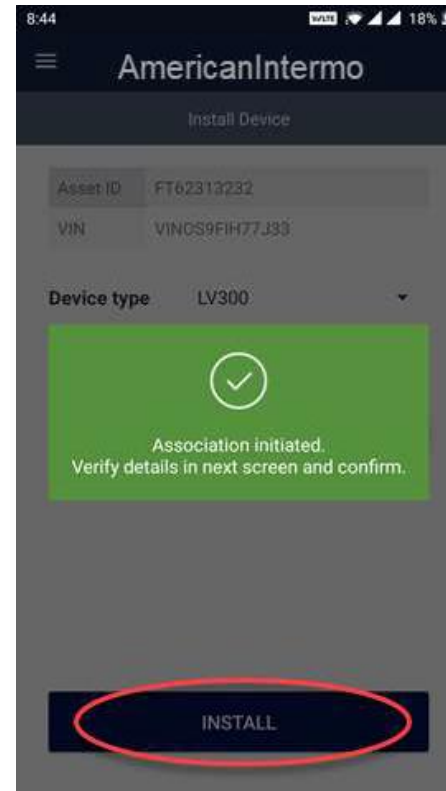
Entity Association App Steps



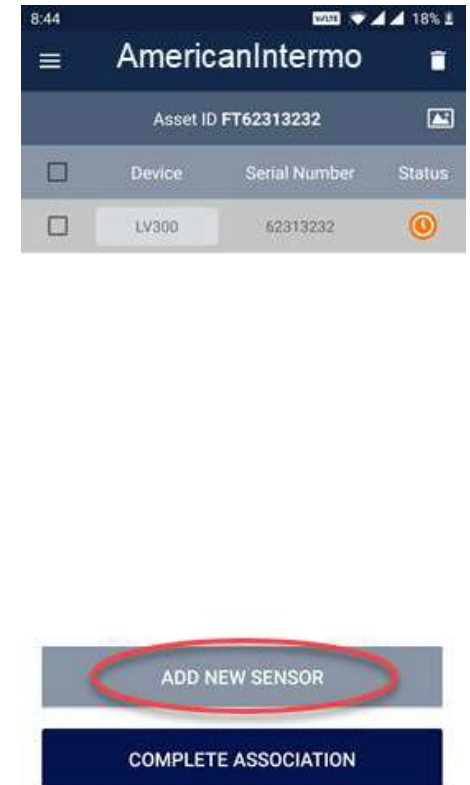
Select "LV300"



Scan LV300 serial #



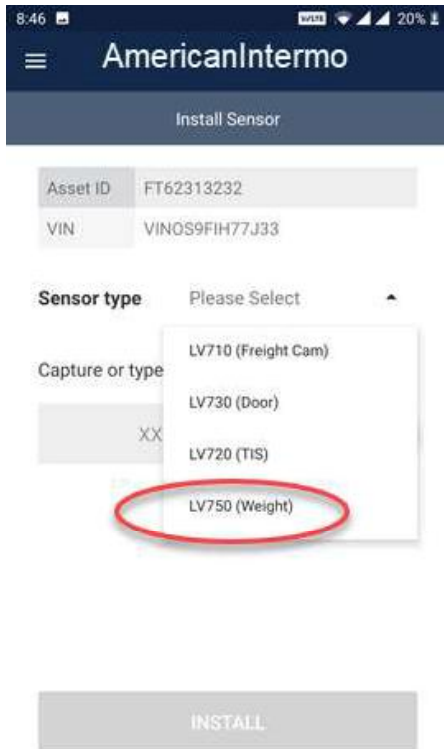
Select "Install"



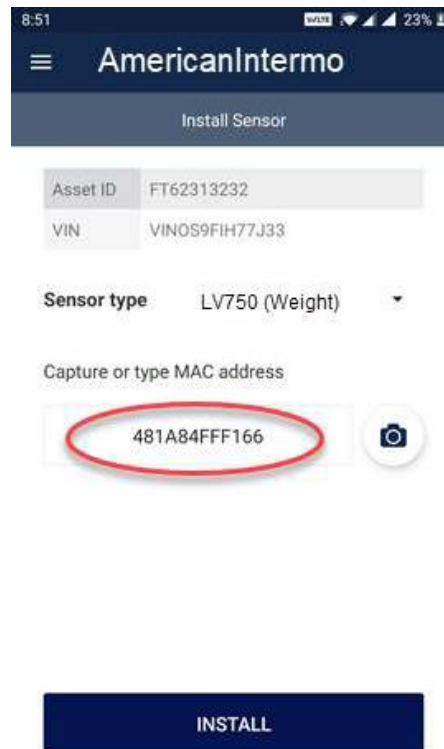
Select "Add New Sensor"

Entity Association App Steps

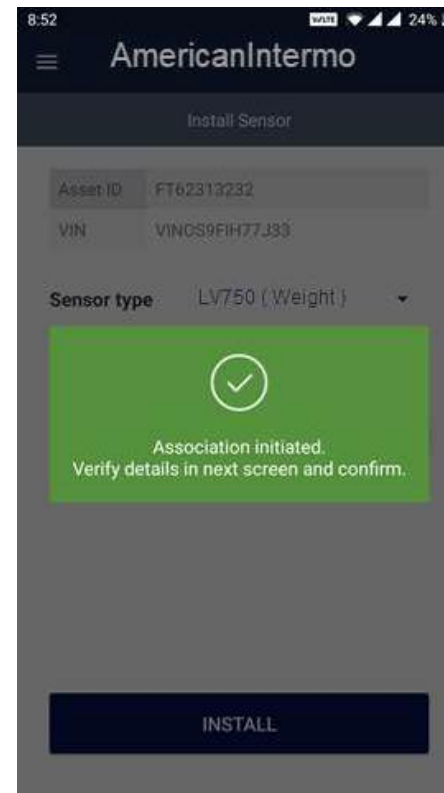
Review Details
First!



Select "LV750 (Weight)"



Scan the LV750 MAC
Address

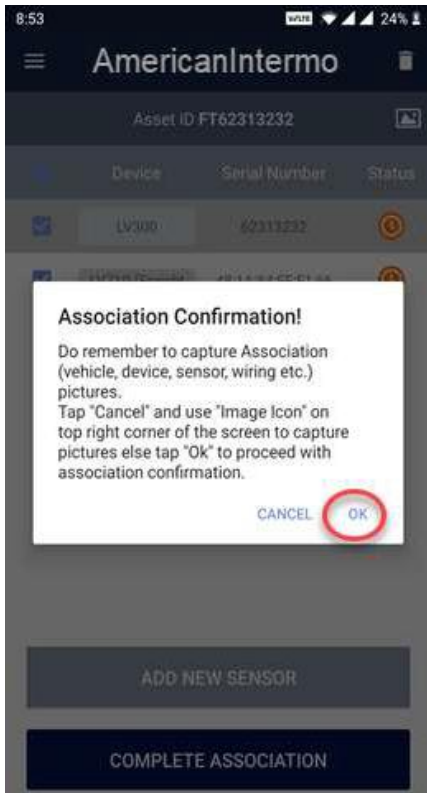


Select "Install"

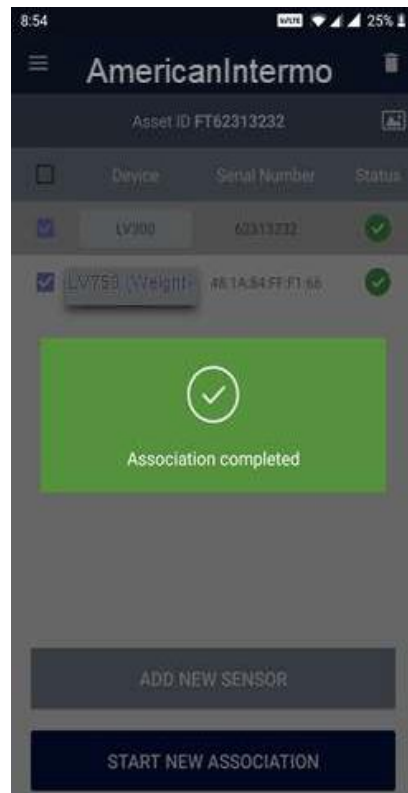


Select "Complete
Association"

Entity Association App Steps



Select "OK"



Confirm Green
Check box Icons

Continue with
additional
associations...

Device Activation.



1. Record 7-digit device serial number. Serial number is printed on the label on top of device.
2. Record the asset's unique identification number and VIN
3. Press and hold grey activation button on top of device for a period of 6 seconds. **Note: This step should only be performed outdoors with top (grey activation button) side of device facing skyward.**
 - a. Device LED's will flash **green** during activation sequence.
 - b. Device LED's will stop flashing once activation sequence is complete.
 - c. If LED's do not flash, reattempt device activation.

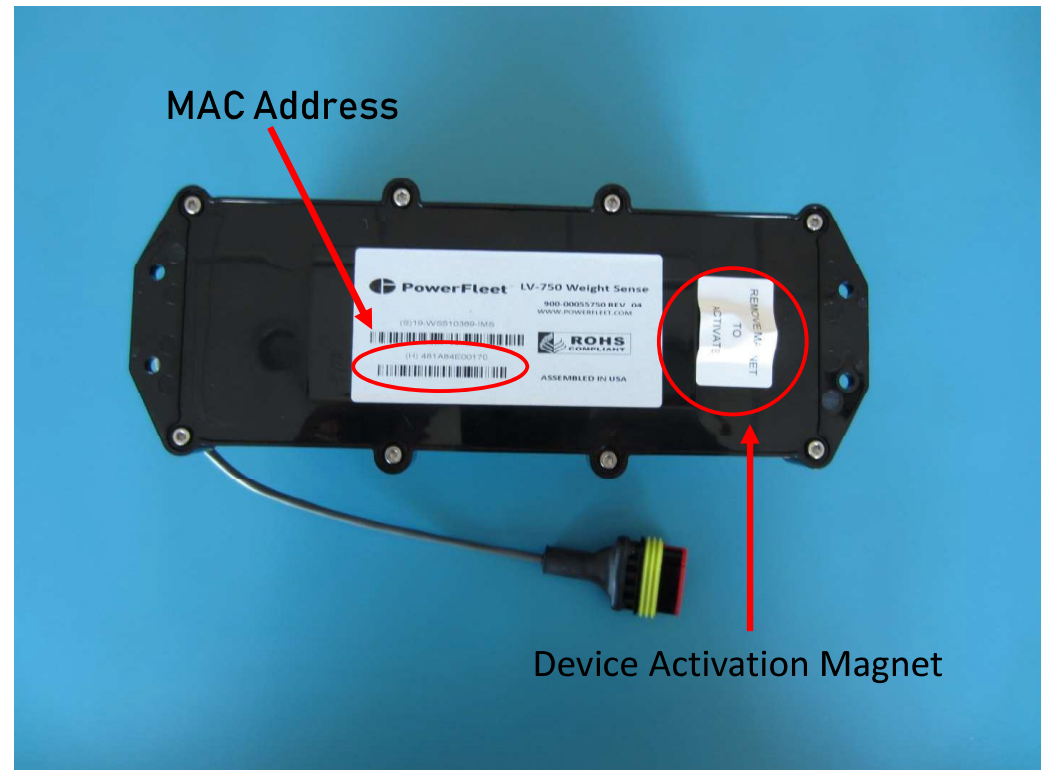
Allow the LV300.PS device to sit with an unobstructed view of the sky for at least 10 minutes before activating the LV750 (next step).



Device Activation.



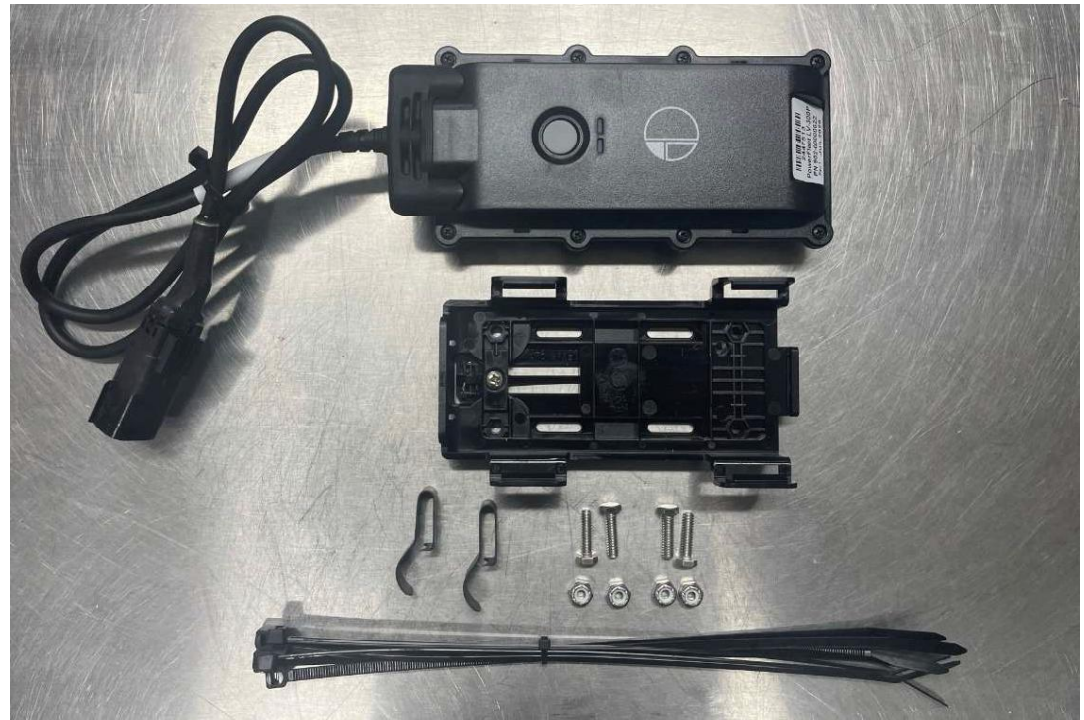
1. Record 12-digit device MAC address. MAC address is printed on the label on back of BLE/Battery module.
2. Remove device activation magnet from back of BLE/Battery module.



LV300.PS Installation- LV300.PS Kit:



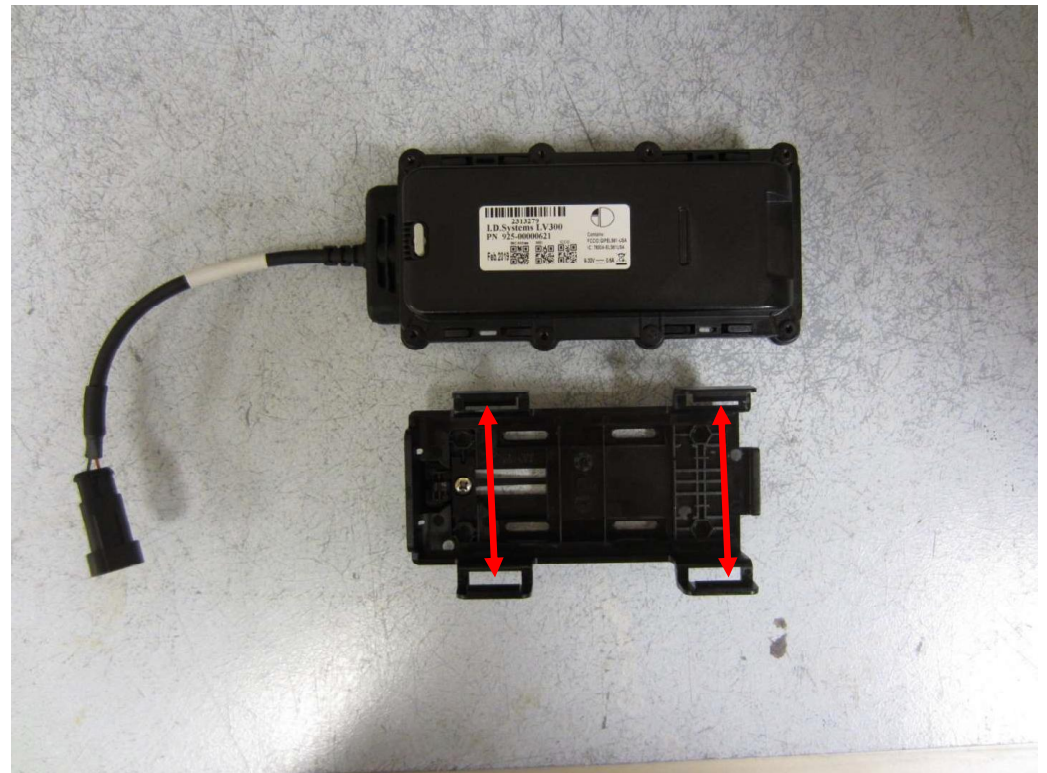
1. LV300.PS with Cradle (Part Number # GC9773010-020)
1. Installation Hardware (Part Number # 835-00001328)



LV300.PS Installation



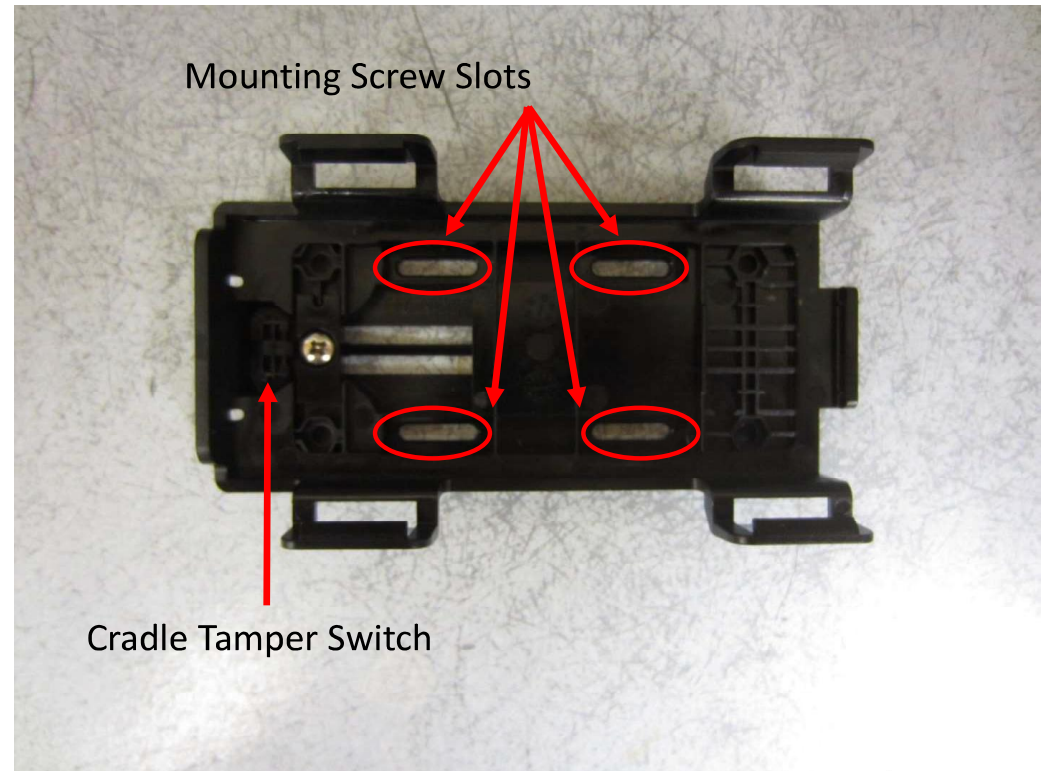
- Separate the LV300.PS device from its mounting cradle by pushing the cradle retaining tabs away from device while lifting device away from cradle.



LV300.PS Installation



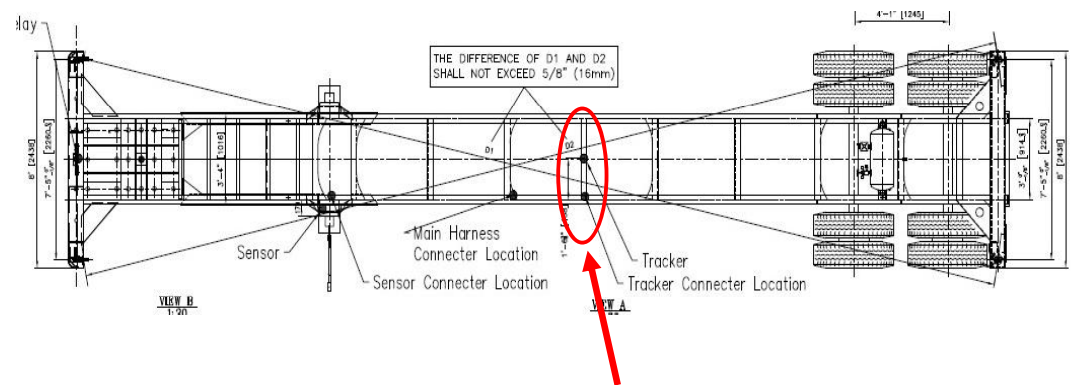
- The LV300>PS device and cradle orientation are critical for proper operation.
- The LV300.PS tamper switch and cradle tamper switch must be aligned or reporting errors will result.



LV300.PS Installation – Location.



- The LV300.PS device and cradle orientation are critical for proper operation.
- The LV300.PS tamper switch and cradle tamper switch must be aligned or reporting errors will result.



LV300.PS Mounting Location

LV300.PS Installation - Installation Steps:



- Using the device cradle or a Template, mark the mounting holes on the crossmember using a spring-loaded punch.



LV300.PS Installation - Installation Steps:



- At marked locations (4) drill a 3/16 hole in the cross member.

