



OVER 35 YEARS OF INNOVATION, QUALITY, SAFETY.
IMPORTANT OWNER-OPERATOR INSTALLATION INSTRUCTIONS

A7730

HIDDEN POWER

2001-2010

Chevy/GMC 2500, 3500 - Ext. & Crew Long Bed

2001-2010

Chevy/GMC 2500, 3500 - Crew Short Bed

A7730 INVENTORY LIST

1- Frame Plate	1- Battery Tray
4- 1/4"-20 x 3/4" Hex Bolt	4- 1/4" Lock Washer
4- 1/4"-20 Hex Nut	4- 1/4" Washer USS
4- 1/4" Fender Washer	2- 3/8"-16 x 2" Hex Bolt Grade 8
2- 3/8"-16 Flanged Nylock Nut	2- 3/8"-16 Hex Nut
2- 1/2"-13 x 4" Hex Bolt Grade 5	4- 1/2" Washer SAE
2- 1/2" Lock Washer	2- 1/2"-13 Hex Nut
1- 1/4" x 1-3/8" Bail Pin	2- 50A Power Connector
1- Group 24-31 Battery Box	1- Battery Box Strap

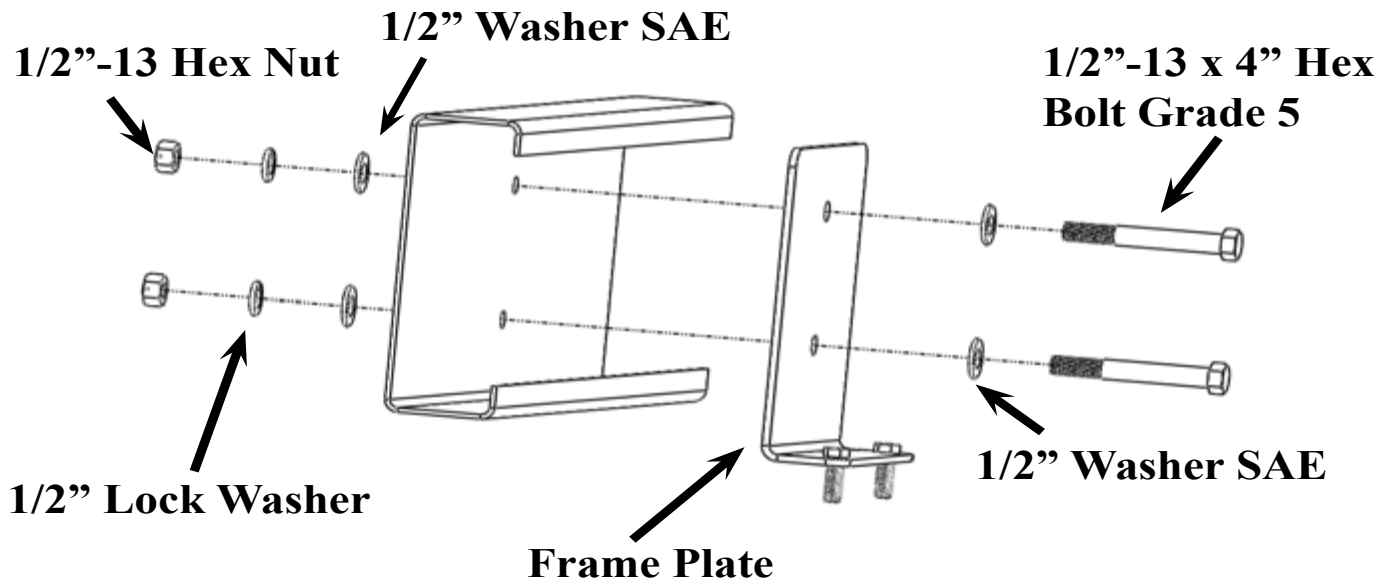
Installation:

Locate and inventory all parts to become familiar with all brackets. Read and understand all instructions prior to installation. Make sure the vehicle is in park, on a level surface and wheels are chocked before starting the installation.

Step 1-

Locate the two holes in the driver side frame rail just forward of the fuel tank. Hold the **Frame Plate** up to the frame so that the spacer on the backside of the **Frame Plate** rests in the opening of the frame. From the inside of the frame, install two **1/2"-13 x 4" Hex Bolt Grade 5** with **1/2" Washer SAE** into the **Frame Plate** and through the Frame. On the outside of the frame, secure the two **1/2"-13 x 4" Hex Bolt Grade 5** with a **1/2" Washer SAE**, **1/2" Lock Washer**, and **1/2"-13 Hex Nut**. See **Figure 1.1**. Torque to 25 Ft-Lbs.(33nm)

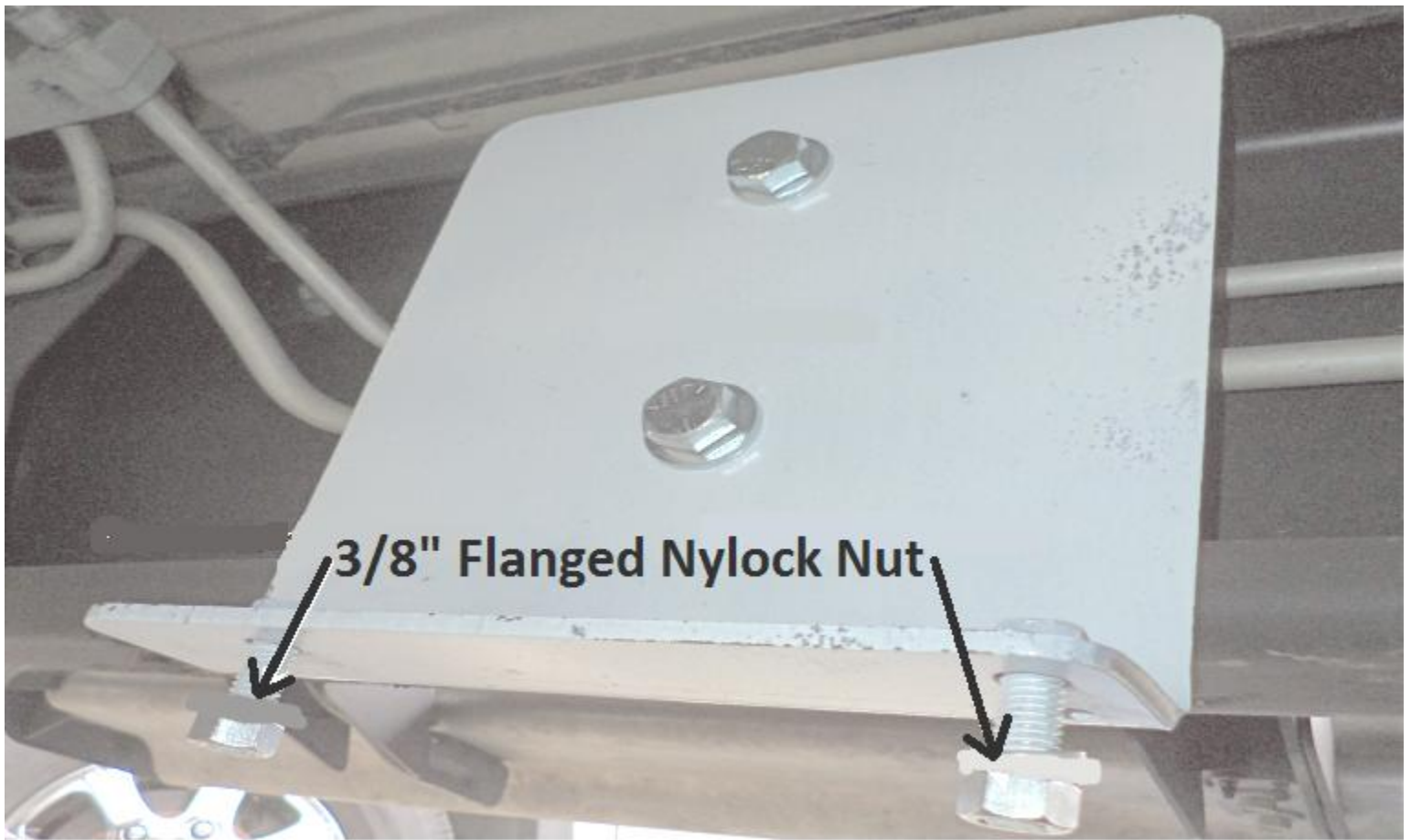
Figure 1.1



Step 2-

Place a **3/8"-16 Flanged Nylock Nut** on the bottom of each **Frame Plate** stud. Leave approximately **3/8"** of space between the **Frame Plate** and **3/8"-16 Flanged Nylock Nut**. See **Photo 2.1**

Photo 2.1



Step 3-

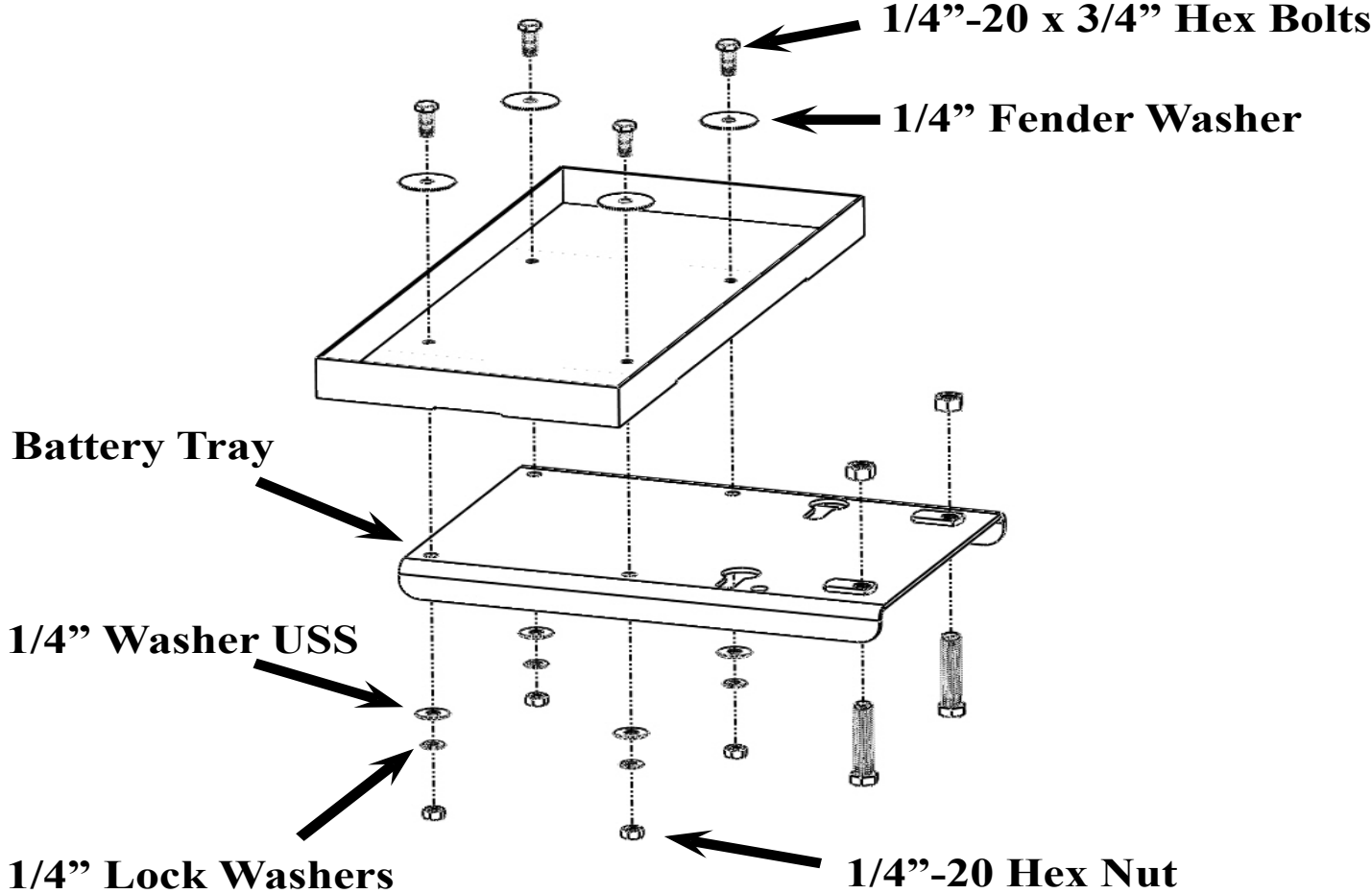
Lift the **Battery Tray** up to the **Frame Plate**, with the **Frame Plate** studs going through the large portion of the keyholes in the **Battery Tray**. Slide the **Battery Tray** to the rear of the vehicle and lightly tighten the **3/8"-16 Flanged Nylock Nuts** with a wrench. With the **Battery Tray** in place, lift the empty **Group 24-31 Battery Box** onto the **Battery Tray**. Place the **Group 24-31 Battery Box** in a position where it will not interfere with any moving parts, fuel lines, or brake lines. Then mark the **Battery Tray** holes onto the bottom of the **Group 24-31 Battery Box**. If the **Group 24-31 Battery Box** is not centered on the **Battery Tray**, make sure that the empty side of the **Group 24-31 Battery Box** is the side that overhangs the **Battery Tray** the most. In some cases, it may be necessary to cut one or both handles off of the **Battery Box** lid for the **Battery Box** to fit in place.

Step 4-

Remove the **Group 24-31 Battery Box** and **Battery Tray**. Drill four 1/4" holes in the previously marked locations. With the supplied **Battery Box Strap** placed between the **Battery Box** and **Battery Tray**, secure the **Group 24-31 Battery Box** to the **Battery Tray** using four 1/4"-20 x 3/4" Hex Bolts, 1/4" Fender Washer, 1/4" Washer USS, 1/4" Lock Washers and 1/4"-20 Hex Nut. Torque to 7 Ft-Lbs.(9nm) See **Figure 4.1**. Install the battery (not included) into the **Group 24-31 Battery Box**, and connect the leads to the appropriate terminals. For your convenience, two **50A Power Connectors** have been included to aid in the installation and future removal of the battery.

**For all questions relating to connecting your new battery to your current system, please contact your local RV Service Center.*

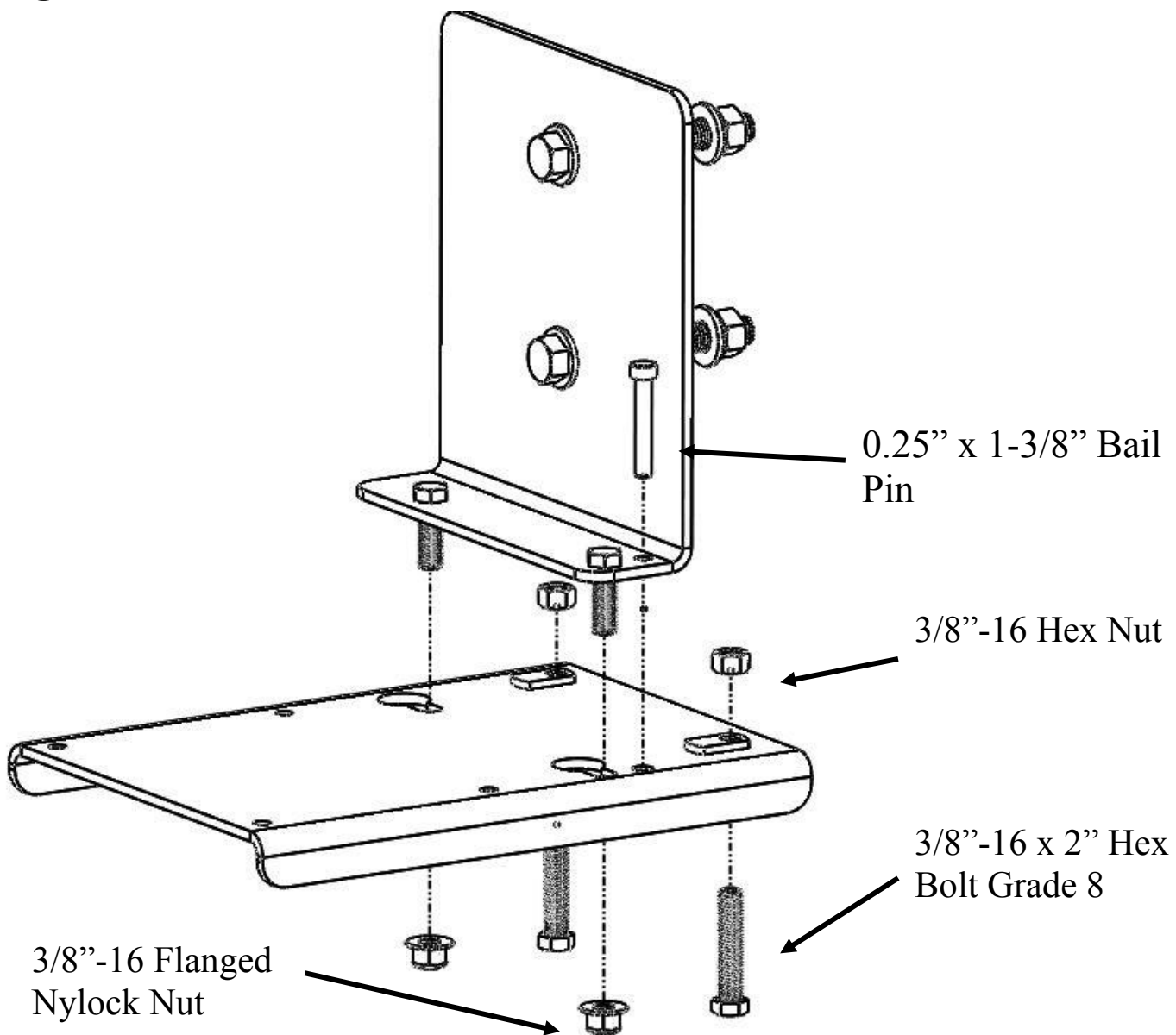
Figure 4.1



Step 5-

With the battery installed into the **Group 24-31 Battery Box**, lift the **Group 24-31 Battery Box** and **Battery Tray** up to the **Frame Plate** and guide the **Battery Tray** so the **Frame Plate** studs go through the large part of the keyholes in the **Battery Tray**. Slide the **Battery Tray** to the rear of the vehicle so the **Frame Plate** studs are in the small part of the keyholes. While supporting the battery with one hand, install the included **0.25" x 1-3/8" Bail Pin** through the safety hole in the **Frame Plate** and **Battery Tray**. See **Figure 5.1**. Torque the **3/8"-16 Flanged Nylock Nut** on the **Frame Plate** studs to 25 ft-lbs.(33nm)

Figure 5.1



Step 6-

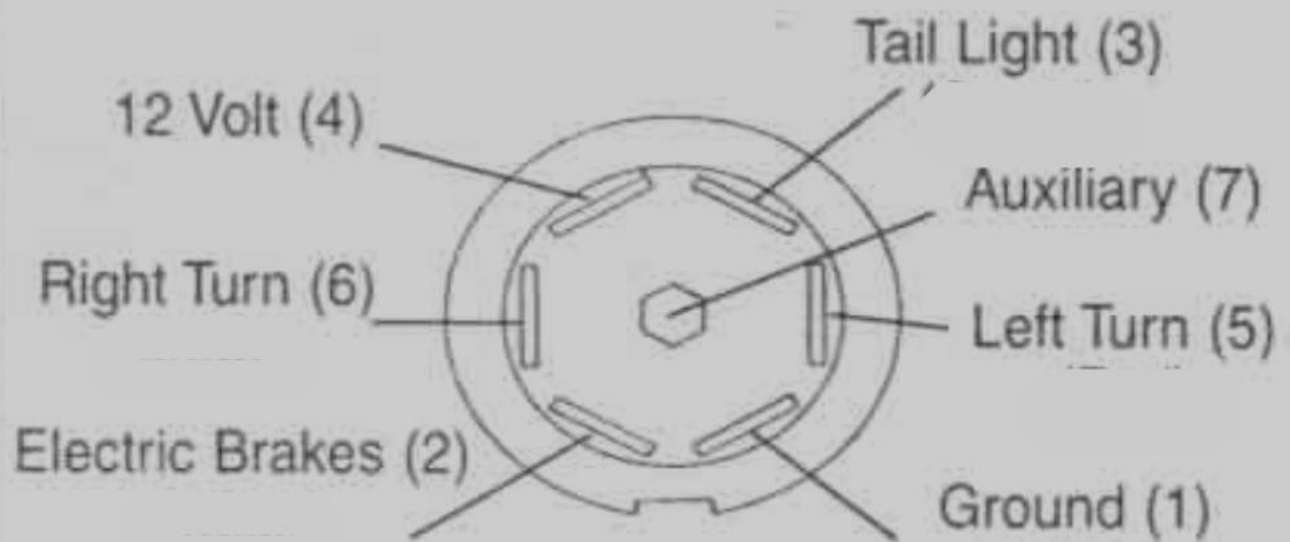
Install the **3/8"-16 x 2" Hex Bolt Grade 8** through the weld nuts in the **Battery Tray** from the bottom side. Install a **3/8"-16 Hex Nut** onto the **3/8"-16 x 2" Hex Bolt Grade 8** from the top side of the **Battery Tray**. Thread the **3/8"-16 x 2" Hex Bolt Grade 8** up by hand until they contact the frame of the truck. Thread the **3/8"-16 Hex Nuts** down on the bolts until they contact the weld nuts on the **Battery Tray**. Snug the nuts tight with a wrench to lock the **3/8"-16 x 2" Hex Bolt Grade 8** in place.

Battery Charging Wire Diagrams

To test if you have a factory battery separator, use a voltmeter or a 12V test light to test for key on/ key off positive power at the RV Plug. See RV Plug Diagram below.

***NOTE:** Wire color is going to vary from manufacturer to manufacturer which is why you should always wire by function and use a Volt Meter or a 12V test light when wiring. There is no official industry standard for wire color. If you are trying to wire by matching colors, there is a very good chance that it will be wired incorrectly. Be sure to test each wire to ensure you are wiring for the correct function.*

<u>Pin #</u>	<u>Function</u>
(1)	Ground
(2)	Trailer Brakes
(3)	Tail / Running Lights
(4)	Aux 12V+ (Charging)
(5)	Left Turn / Stop
(6)	Right Turn / Stop
(7)	Backup Lights



#1 For Trucks with Factory Installed Ignition Activated Tow Package

