

Sealed Cable Gang – 32062 Installation Instructions

This document will serve as instructions for installing Idle Free sealed cable gang 32062.

1. Remove the condenser fan connection, the APU cover and the DC connectors from the side of the APU. There is one red, one green and two black cables.
2. Twist the four cables counterclockwise to remove them from their sockets.



Cables



Sealed Cable Gang - 32062

3. Remove the cover on the back of the APU unit, which is located under the truck's frame.
4. Locate the negative terminal on the rear battery. It has black cables.
5. Remove all cables from the back batteries. Ensure that the black, negative cables are not touching the rear negative battery post.



6. Remove all positive cables from the four AGM batteries. Remove the additional cable from the front battery that connects to the battery positive post and the battery separator.



7. Remove the outer two battery hold-down bolts. You can reach these 1/2" bolts from the bottom of the APU.
8. Loosen the remaining 3 battery hold-down bolts, but do not remove them.



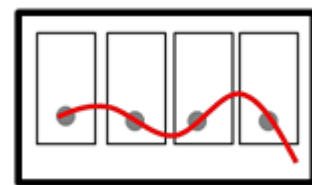
9. Re-route the 14 gauge, small, red and black wires from the rear of the APU to the front of the APU. These wires will no longer be connected on the back-AGM battery.



10. Slide the front battery out to expose the positive terminal. Clean the terminal.



11. Slide the positive cable assembly to the rear of the APU, keeping the cable assembly on the top of the AGM batteries.
12. Connect the final 4th sealed cable onto the front battery positive terminal. Put the sealed cap in place on the top of the battery cable connection.
13. Slide the front battery back into position with the battery positive post under the frame member.
14. Connect the cable assembly to the remaining three battery positive posts.
 - Move the batteries and the cables (back and forth) if needed to make the battery post connections.
 - The cable assembly will form a snake shape when connected to all four batteries



15. Connect the black, negative cables to the rear battery.



16. Connect the red, small 14 gauge wire to the top of the battery separator. Connect it to the post toward the outside of the APU.



17. Connect the small, black gauge wire to the front, negative post battery (black cable).



18. Align the four batteries and tighten the center three bolts to 60 inch pounds.



19. Install the front and rear battery hold down bolts. Torque these bolts to 50 inch pounds. **Do not overtighten and crease the batteries.**

20. Zip tie the loose wires and cables on the front and rear of the APU.

21. Replace the front and rear APU covers.

22. Connect the condenser fan harness connector.

