

INSTALLATION INSTRUCTIONS

DUE TO THE COMPLEXITY OF THIS SYSTEM, INSTALLATION OF THIS PRODUCT MUST ONLY BE PERFORMED BY AN AUTHORIZED CAR AUDIO/ELECTRONICS INSTALLATION SPECIALIST.

THIS PRODUCT HAS BEEN DESIGNED TO ALLOW THE VEHICLE TO BE STARTED WITHOUT THE DRIVER'S SEAT BELT BEING BUCKLED IN THREE SITUATIONS; 1) BYPASS SWITCH ON THE RECEIVER IS SWITCHED ON, 2) TEMPERATURE IN THE VEHICLE IS BELOW 40 DEG. F., 3) VEHICLE IGNITION HAS BEEN ATTEMPTED 2-3 TIMES (WILL VARY DEPENDING ON THE MAKE AND MODEL OF THE VEHICLE) WITHOUT THE TRANSMITTER BEING RECOGNIZED. IN EACH OF THESE SITUATIONS THE LIFEBELT WILL CONTINUE TO ALARM AND THE RADIO WILL NOT WORK UNTIL THE LIFEBELT RECEIVER SENSES THAT THE DRIVER'S SEATBELT HAS BEEN BUCKLED AND THE BYPASS SWITCH IS IN THE "OFF" POSITION.

WIRE CODES AND FUNCTIONS

Prior to installation, you will need to find a suitable mounting location for the LIFEBELT unit so that you may route the LIFEBELT wires accordingly. We recommend the center dash area near the vehicle's radio with the LIFEBELT's external antenna pointed towards the rear of the vehicle. Always

WARNING!

Connect only to a starter fuse or signal wire. Do Not connect to a fuse or wire that will prevent the vehicle from running if there is a disconnection at that point while the vehicle is running. Serious injury or death could occur if connected to other connection points.

make sure that the LIFEBELT unit is a minimum distance of 12" away from any device that radiates electronic interference i.e. BCM, PCM, ECM, factory alarm receiver antennas.

RED: 12VDC battery wire connection.

Must be connected to a constant 12VDC wire in the vehicle. Most common locations: vehicle's ignition harness by steering column, fuse box, or vehicles battery.

BLACK: (-) Chassis ground connection.

Connect this wire to bare metal, preferably with a factory bolt rather than your own screw.

The LIFEBELT unit is designed to be connected directly to the vehicle's fuse box, however in some vehicles there is no STARTER fuse present in the interior fuse box, in this application you will have to connect the "STARTER" fuse cables from the LIFEBELT receiver directly to the vehicle's STARTER cable at the ignition harness.

YELLOW RADIO FUSE CABLES: Radio "ACC" power fuse cables.

At the vehicle's fuse box, locate the fuse marked "RADIO". This fuse should have 12VDC only when the vehicle's ignition switch is in the "ACC" position. Remove the fuse and turn the vehicle's ignition circuit to "ACC". The radio should not turn on.

Remove the RADIO fuse from the vehicles fuse box and insert YELLOW RADIO FUSE CABLES into fuse location. Insert vehicle's RADIO fuse into the LIFEBELT unit's fuse location marked "RADIO". With the seat belt unbuckled, turn the ignition circuit to the "ACC" position. If the YELLOW RADIO FUSE CABLES are incorrectly inserted into the vehicle's fuse box location marked "RADIO" the LIFEBELT unit will emit a buzzing noise. To correct this problem you will need to remove the YELLOW RADIO FUSE CABLES from the fuse box, flip the cables, then reinsert into the fuse box. With the seat belt unbuckled, turn the ignition circuit to the "ACC" position, you should hear a beeping alarm emitting from the LIFEBELT unit and the radio should remain OFF, this means that the YELLOW RADIO CABLES are correctly inserted into the vehicle's fuse box. With the driver's transmitter and sensor installed connect the driver's seat belt and confirm that the beeping stops and the radio turns ON.

GREEN STARTER FUSE/ WIRE CABLES: Starter fuse/wire inhibit cables.

At the vehicle's fuse box, remove "START" fuse (with fuse removed, while key is in the CRANK position the starter motor should not engage) and place fuse into LIFEBELT UNIT'S fuse location marked "STARTER". Insert GREEN STARTER FUSE/WIRE CABLES from LIFEBELT unit into vehicle's fuse box "START" fuse location. With the seat belt unbuckled, turn the ignition circuit to the "START" position. If the GREEN FUSE CABLES are incorrectly inserted into the vehicle's fuse box location marked "STARTER" the LIFEBELT unit will emit a buzzing noise. To correct this problem you will need to remove the GREEN STARTER FUSE/WIRE CABLES from the fuse box, flip the cables, then reinsert into the fuse box. With the seat belt unbuckled, turn the ignition circuit to the "START" position, you should hear a beeping alarm emitting from the LIFEBELT unit, this means that the GREEN STARTER FUSE/WIRE CABLES are correctly inserted into the vehicle's fuse box.

IF NO STARTER FUSE IS AVAILABLE, then you will need to cut off the FUSE END of the GREEN STARTER FUSE/WIRE inhibit cables and connect the wires directly to the STARTER wires. To locate the STARTER wire in the ignition harness of the vehicle you will first have to locate the ignition harness of the vehicle. This is usually located at the ignition switch in or near the steering column. Using a volt meter, locate and cut the wire you have determined to be the STARTER wire. This wire will test 12VDC only when the vehicle's key is in the START position. After cutting the STARTER WIRE attempt to start the vehicle. If the starter does not engage then you have found the correct STARTER wire. Connect key cylinder side of the starter wire to one of the GREEN STARTER FUSE/WIRES then connect the starter motor side wire to the remaining GREEN STARTER FUSE/WIRE. For this type of application you will need to determine what amperage fuse to insert into the "STARTER" fuse port located on the LIFEBELT (maximum of 30amps) unit depending on the amperage of fuse used for the starter relay. With the seat belt unbuckled, turn the ignition circuit to the "START" position. If the GREEN FUSE CABLES are incorrectly connected to the vehicles starter wire the LIFEBELT unit will emit a clicking noise. To correct this problem you will need to cut the GREEN STARTER FUSE/WIRE CABLES from the vehicles starter wire, flip the cables, then reconnect to the vehicle's starter wire. With the seat belt unbuckled, turn the ignition circuit to the "START" position, you should hear a beeping alarm emitting from the LIFEBELT unit, this means that the GREEN STARTER FUSE/WIRE CABLES are correctly inserted into the vehicle's fuse box. With the driver's transmitter and sensor installed connect the driver's seat belt and confirm that the beeping stops and the vehicle can be started. (See Figure 1.)

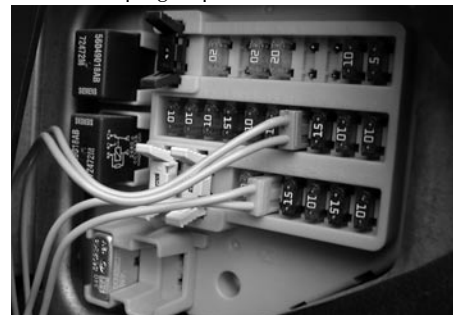


Figure 1.

TRANSMITTER and TRANSMITTER SENSOR INSTALLATION:

Driver's Transmitter: (MUST BE INSTALLED ON THE DRIVERS LATCHING MECHANISM ONLY CLOSEST TO THE DRIVERS HIP SO AS TO NOT INTERFERE WITH THE SEAT BELT RELEASING BUTTON)

Clean plastic surface area of drivers seat belt latching mechanism with an alcohol wipe, peel away protective adhesive covering and install onto seat belt latching mechanism. Remove battery tab on side of transmitter.

Driver's Transmitter Sensor: Connect the seat belt buckle to latching mechanism, clean plastic surface area of drivers seat belt buckle with an alcohol wipe, peel away protective adhesive covering on the sensor and install the transmitter sensor onto the plastic portion of the seat belt buckle so that the sensor is directly in front of the transmitter when the seat belt is buckled into the latching mechanism. (See Figure 2.)



Figure 2.

Passenger Transmitter: (MUST BE INSTALLED ONLY ON THE PASSENGER SEAT BELT LATCHING MECHANISMS CLOSEST TO THE PASSENGER'S HIP SO AS TO NOT INTERFERE WITH THE SEAT BELT RELEASING BUTTON) Clean the plastic surface area of the passenger seat belt latching mechanism using an alcohol wipe, peel away protective adhesive covering and install onto the passenger seat belt latching mechanism. Remove battery tab on side of transmitter.

Passenger Transmitter Sensor: Connect the seat belt buckle to the latching mechanism, clean plastic surface area of passenger seat belt buckle using an alcohol wipe, peel away protective adhesive covering on the sensor and install the sensor onto the plastic portion of the seat belt buckle so that the sensor is directly in front of the transmitter when the seat belt is buckled into the latching mechanism.

TROUBLESHOOTING

When ignition switch is in the ACC position the radio will not turn on:

- Make sure the driver's seat belt has been buckled.
- If the radio will not turn on and there is a buzzing sound admitting from the LIFE BELT unit then the YELLOW RADIO FUSE CABLES in the vehicle's fuse box are reversed. Remove YELLOW fuse cable from the fuse box, flip the connector then re-insert into the fuse box.

When ignition switch is in the CRANK position the starter will not engage:

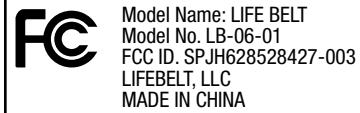
- Make sure the driver's seat belt has been buckled.
- If vehicle's starter does not engage when the driver's seat belt has been buckled and there is a buzzing sound admitting from the LIFE BELT unit then the GREEN STARTER FUSE/WIRE CABLES are reversed. Either remove the fuse box connection portion of the GREEN STARTER FUSE/WIRE CABLES, flip the connector then re-insert into the fuse box. If no fuse location was present and you had to cut the starter cable for connection then you will have to cut the GREEN STARTER FUSE/WIRE CABLES from the vehicles starter wire and re-connect them in the opposite direction.

LIFE BELT unit will not recognize driver transmitter:

- Make sure the transmitter sensor is directly in front of the transmitter and is making a good connection (blue LED on transmitter will illuminate when the sensor is placed in front of the transmitter).
- Check battery in transmitter.
- Make sure anti-theft pin is properly placed in drivers transmitter.
- The LIFE BELT receiver may be mounted in an area with interference and will need to be repositioned.

LIFE BELT unit will not recognize passenger transmitters:

- Make sure the transmitter sensor is directly in front of transmitter and making a good connection (blue LED on transmitter will illuminate when the sensor is placed in front of the transmitter).
- Check battery in transmitter.
- The LIFE BELT receiver may be mounted in an area with interference and will need to be repositioned.



FCC Statements:

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.

NOTE:

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER 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.

PACKAGE CONTENTS

- LIFE BELT Receiver
- Driver's Transmitter
- Passenger Transmitter
- Poly Bag: 2pcs 30amp Fuses, 2pcs Red T-Taps, 2pcs Transmitter sensors, 1pc Fuse Box tap, 1pc Female Blade Connector, 1pc Ground Loop Connector
- 1pc STARTER Mini-Fuse converter cables, 1pc RADIO Mini-Fuse converter cables
- 1pc STARTER Micro-Fuse converter cables, 1pc RADIO Micro-Fuse converter cables
- Installation Instructions
- Operation Manual

For more information please go to www.nobucklenostart.com