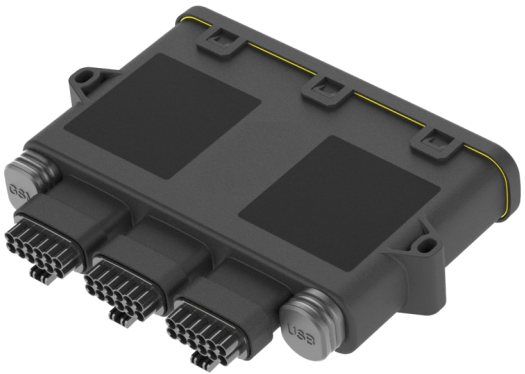
Stoneridge | FleetArc

INSTALLATION MANUAL



Contents

1 Compliance Statement

This equipment complies with Federal Communications Commission (FCC) and Industry Canada (IC) radiation exposure limits set forth for an uncontrolled environment.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with multi-transmitter product procedures.

This device has been certified as follows:

FCC ID: 2AKA8-FA470NAXAA

IC: 22098-FA470NAXAA

Models: FA-470_NA_03 _AA

FA-470_NA_02_AA

FA-470_NA_01 _AA

PMN: FleetArc Gateway

FCC Caution:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC 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.

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.

RSS-Gen & RSS-247 statement:

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. this device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. l'appareil ne doit pas produire de brouillage, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RSS-102 Statement:

This equipment complies with Industry Canada radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme à l'exposition aux rayonnements Industry Canada limites établies pour un environnement non contrôlé.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with multi-transmitter product procedures.

L'antenne(s) utilisée pour ce transmetteur doit être installé pour fournir une distance de séparation d'au moins 20cm de toutes les personnes et ne doit pas être co-localisés ou fonctionner en conjonction avec une autre antenne ou transmetteur. sauf conformément au multi-émetteur procédures du produit.

Warning

Do not use the device while the vehicle is in motion.

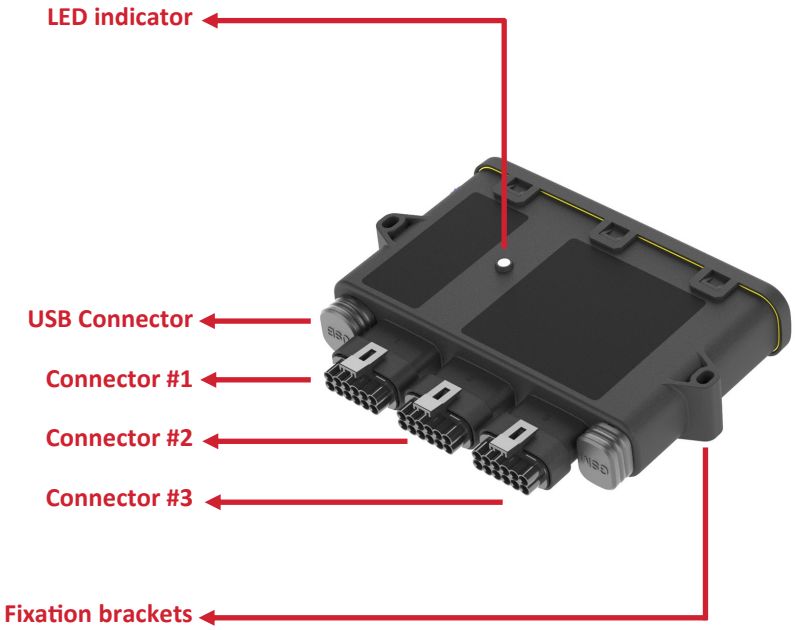
Always stop the vehicle safely to use the device.

Failure to do so may lead to serious injury or death.

2 FleetArc Kit Contents

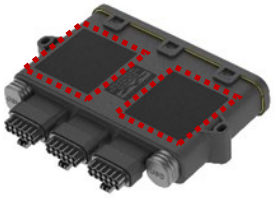
- FleetArc Gateway
- Main harness
- USB cable
- Cavity plug connector
- User manual
- Accessory kit:
  - Zip ties
  - Double sided tape or Industrial Velcro
  - Scotchlok connectors
- ELD Exclusive Items:
  - ELD Vehicle sticker
  - Driver ELD user manual
  - 2 QR Code Stickers
  - Quick Guide

3 Module Overview

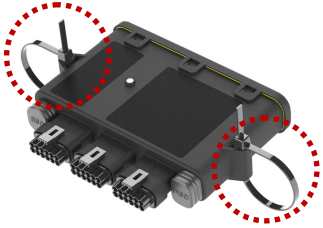


4 Fixation Options

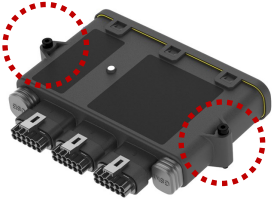
Double-sided tape or velcro



Zip ties

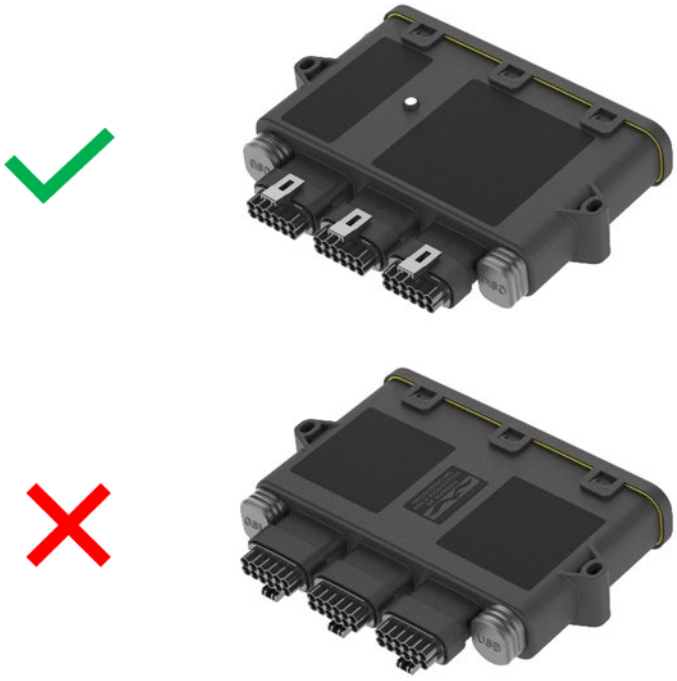


Screws



5 Module Orientation

To improve GPS reception, always keep LED side facing up.



6 FleetArc Gateway Connectors

Mechanical patterns prevent wrong conector insertion

7 Status LED Indicator

FleetArc Gateway features a red LED to provide a visual reference for LTE network and GPS coverage status, aiding in the installation process.

The table below describes the status for each LED blinking pattern.

LED	Status
1 blink	Device ON
2 blinks	GSM network **available** and GPS signal **not found**
3 blinks	GSM network **available** and GPS signal **available**
4 blinks	Data network (LTE) **available** and GPS signal **not found**
5 blinks	Data network (LTE) **available** and GPS signal **available**
6 blinks	Server connection **available** and GPS signal **not found**
7 blinks	Server connection **available** and GPS signal **available**

8 Harness Options

FleetArc Gateway is shipped with either one out of two options of main cable harness:

- **OBD Harness**, better suited for quick installations, such as ELD applications) with the most commonly found diagnostic connectors available on the market
- **Hard Wire Harness**, better suited for customers that wish to use the full capabilities of the FleetArc Gateway device.

Aside from the main harness, FleetArc Gateway also features a USB cable to provide the end user with an alternative connection to a phone/tablet other than Bluetooth.

NOTE: Other harness options, aside from the stated above, may be available depending on customer needs. Visit www.fleetarc.com to check other available options.

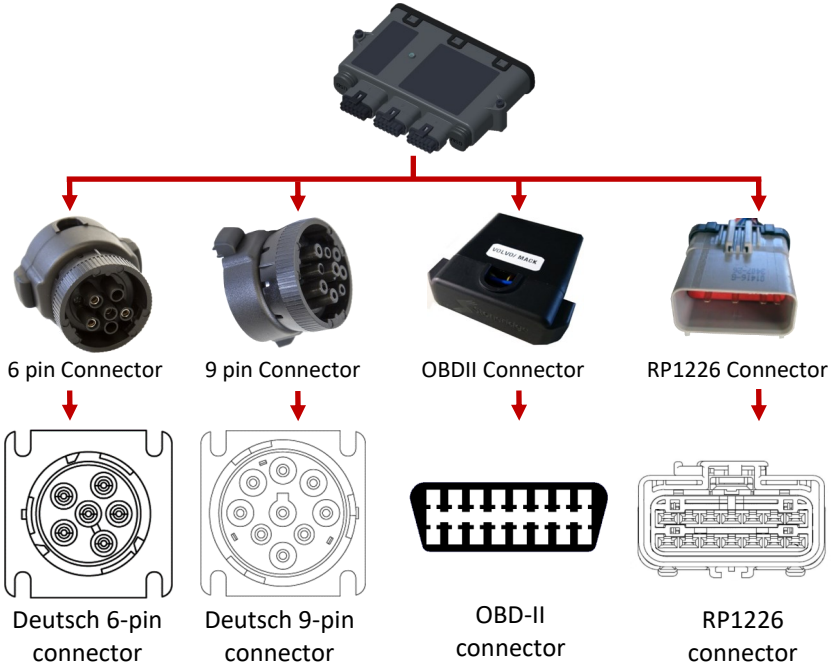
8.1 OBD Harness installation

The OBD Harness, better suited for baseline and ELD applications, features an adapter connector, used to connect FleetArc Gateway with the most commonly diagnostic connectors available on the market.

The ELD harness is compatible with the following accessory connectors (sold separately):

- RP1226 cable adapter
- RP1226 Volvo cable adapter
- 9-pin connector cable adapter
- 6-pin connector cable adapter
- OBD-II Light and Medium vehicles cable adapter
- OBD-II Volvo/Mack cable adapter

With the accessories and the Low-range connectors, it is possible to quickly connect FleetArc Gateway to the vehicle diagnostic bus using the following scheme:



1. Find the vehicle's diagnostic port. Its position may vary depending on the vehicle make and model. You might find the diagnostic port:

   - Under the dash or under the steering column/wheel on the left or right,
   - On the left or right of the pedals, above the pedals,
   - Above the footrest,
   - In the fuse box,
   - Near the handbrake or the clutch pedal handbrake / footbrake.

   In some cases you may have to remove a plastic cover to find the connector.

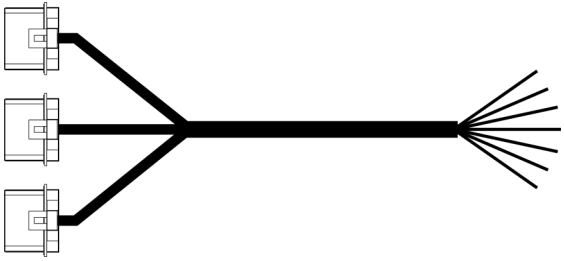
2. Attach the device to the vehicle's diagnostic port.

In the case of the 9-pin or 6-pin connector, rotate the collar to line up the collar tabs with the matching slot on the diagnostic port. Press firmly until the connector is fully attached. Then rotate the collar clockwise until it locks.

In the case of the OBDII and RP1226 connectors, line up the connector so it exactly matches the diagnostic port in the vehicle. Press firmly until the connector is fully attached.

8.2 Hard Wire Harness installation

The Hard Wire Harness is better suited in cases where full FleetArc telematics capabilities are required, using all of the 3 available connectors.



In order to properly install FleetArc Gateway with the Hard Wire Harness, use the full harness diagram and the scotchlok connectors, both provided in the box or the OEM recommended splice connection.

Note that, aside from the harness, the different hardware/software features, IOs and interfaces need to be properly assembled in order to be available to use.

8.3 USB Cable

FleetArc Gateway features a USB 2.0 interface that can be used as an alternative interface with the end-user phone/tablet.

To use it, attach the USB cable provided in the box to the USB connector on your FleetArc Gateway. Afterwards, connect the phone/tablet USB cable to the female USB interface.

9 Warranty

The Stoneridge FleetArc is covered by a 12 month warranty period from the date of shipment, to materially conform to our published specifications and be free from material defects.

Please refer to our Terms and Conditions at www.fleetarc.com for full details on our Warranty and Returns and Refunds policy.

For any queries on the Stoneridge FleetArc please contact Customer Support on:

Tel.: +1 (883) 994-3953

Email: eldsupport@stoneridge.com

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