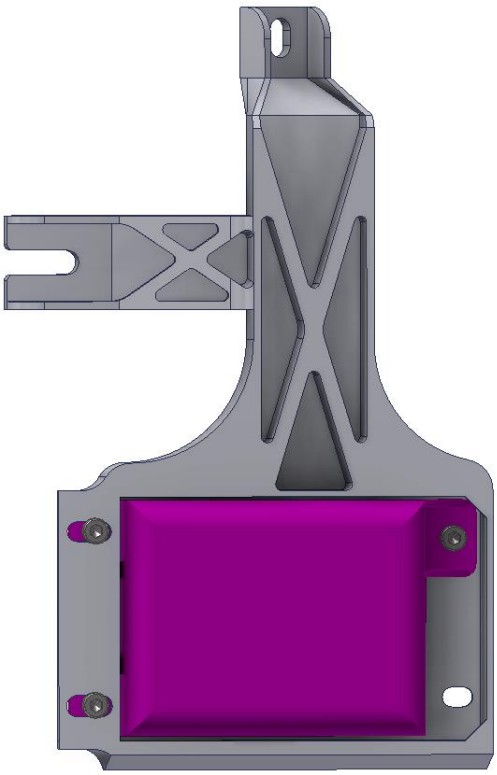
Side Detection System

Upgrade Package

Saab 9-5NG



Introduction

This upgrade package is intended for the last generation of Saab 9-5, model years 2010-2012. The upgrade provides your car with a blind spot monitoring system, a lane change assistant and a rear cross traffic alert system. The system is intended to be installed by users with at least moderate skills in electrical installation. Some interior panels must be removed, and some wires must be connected to the vehicle wire harness. It is up to the user to find suitable connection points and the level of the installation is up to the user. The connection points can be at either existing electrical fuse boxes/centrals with correct inserts or wired to existing wires in the trunk. It is worth to mention that appropriate consideration must be taken to find suitable wires in each case.

Late in the very short production cycle of the 9-5 a side blind zone alert system was introduced. This system was one of the first introduced by General Motors for the platform and consisted of two radars (with indicators) that only looked in the blind spot. A few years after the Saab bankruptcy, generation 3.5 of the system was introduced on other GM brands, such as Cadillac and Opel. That system is electrically fully compliant with the Saab 9-5. This upgrade package adapts the system, so it can be utilized on the Saab 9-5NG. A good description of the systems is found on: https://www.youtube.com/watch?v=KsA_9GdtCG0.

Side Detection System (Side Blind Zone Alert)

This system indicates when a vehicle is detected in the blind spot of your vehicle. An LED (of own choice) is lit during indication. If the driver turns on his indicators, the LED flashes rapidly to indicate the hazard.

Lane Change Assistance

This system indicates when a vehicle is approaching in the lanes behind your vehicle. The faster the vehicle approach the earlier the indication. The system accounts for your speed as well as the speed of the approaching vehicle. An LED (of own choice) is lit during indication. If the driver turns on his indicators, the LED flashes rapidly to indicate the hazard.

Rear Cross Traffic Alert (RCTA)

Rear Cross Traffic Alert is active during reverse and scans the area to the side of the vehicle for approaching vehicles. A sound in left or rear speakers are used as indication for approaching vehicles. Some Android radios might also show a warning if equipped with a reverse camera.

Package contents

The package contains:

- 1x left bracket
- 1x right bracket
- 2x lower mounts
- 1x wire harness
- Screws, washers and nuts

The user must complement the package with indicators, such as the original side mirrors (which are hard to find), indicators of own choice or the indicators sold in the online shop.

The user must also complement the package with sensors. The following part numbers apply:

- 42625293
- 42625292

The sensors can be bought at for example www.gmpartsdirect.com.

Installation

1. Remove the rear bumper
2. Mount sensors in the brackets, make sure to put left sensor in left bracket and right sensor in the right bracket.
3. Mount the brackets on the car with the three m6 nuts and washers as in Figure 1.
4. Connect the wiring harness, make sure to connect the connector marked left to the left sensor and vice versa. They fit both ways but damage to sensors might occur if wrongly connected.
5. Pull the harness through the cable entry in the body of the car.
6. Mount your indicators
7. Wire the unconnected cables according to Table 1.

Table 1 - Wiring instructions

Cable colour	**Function**
Red	+12 volt when ignition is on (0 when ignition is off)
Black	Ground connection
Blue	GMlan Single Wire (pin 1 on OBD connector)
Green	+12 volt for right indicator (Must be connected via a resistor to the indicator)
Purple	+12 volt for left indicator (Must be connected via a resistor to the indicator)

Figure 1 - Sensors, brackets and wire harness mounted behind bumper.