

Upgrade Saab 9-3 with Tire Pressure Monitoring System (TPMS)

(Model year 2003-2014)

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Introduction

There are two TPMS systems available for Saab NG9-3. The first one came on model year 2004 with one receiver for every tire sensor and a central ECU in the center console. That system had so many issues it was removed for model year 2005 and shall not be installed.

The second version came on model year 2008 and contains one ECU located in the trunk that communicates directly with the four tire sensors, and this is the one to upgrade with.

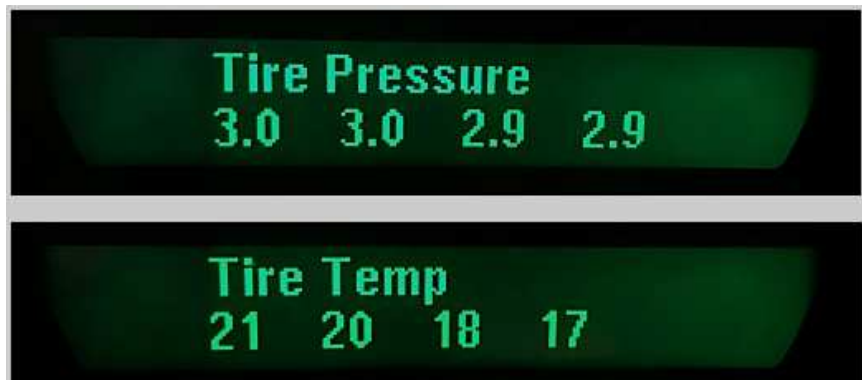
It is possible to add the 2008 system on older Saab NG9-3 (2003-2007) with TECH2, but not read data from it. On 2004-2006 it is however possible to get the tire pressure alerts also with the 2008 system as they use a similar interface.

The eSIDs can communicate with the TPMS ECU and display tire pressure and tire temperature from each wheel.

eSID 03-06 (Saab 9-3, 2003-2006)



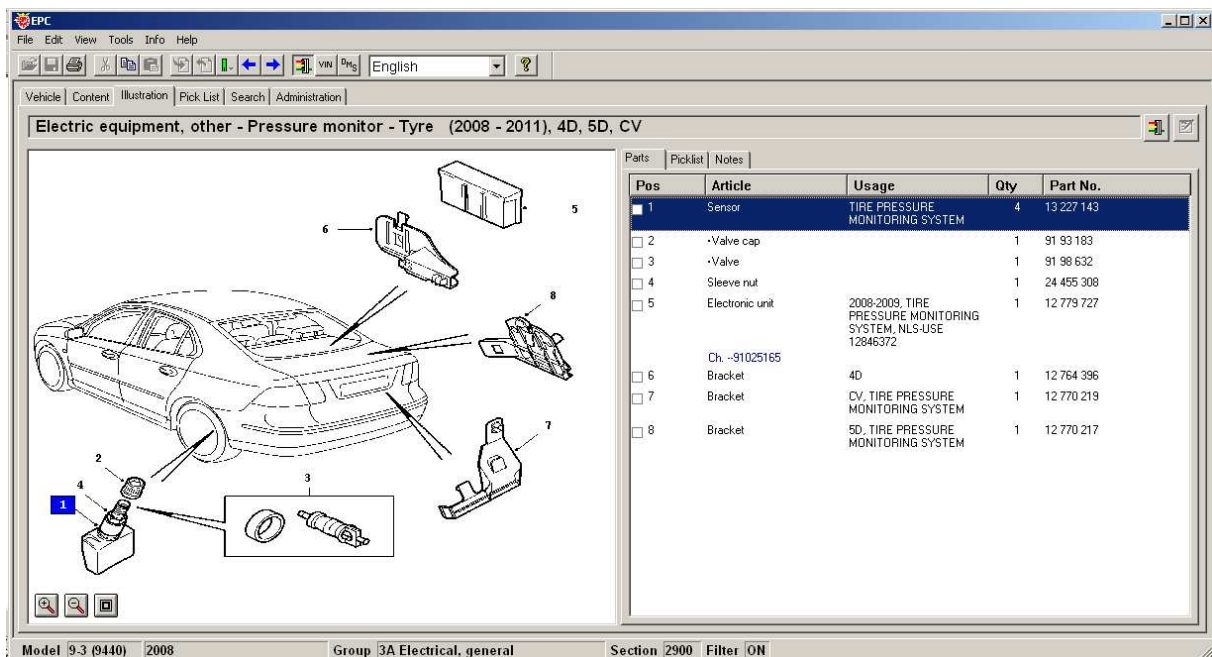
eSID2/eSID3 (Saab 9-3, 2007-2014)



Parts needed

To install the TPMS system the following parts are needed:



- 1x TPMS ECU
- 1x TPMS ECU bracket (3 versions available: Sedan, Wagon and Convertible)
- 1x TPMS ECU connector (TE Connectivity/AMP, 1241634-1)
- 3x TPMS ECU terminals (MQS)
- 3x 0.5mm² wires (black, red and green) – 3 meters long
- Terminals/materials to connect/splice the three wires to REC.



The screenshot shows the EPC software interface for a Saab 9-3 (2008-2011). The main window displays a wiring diagram of the car's rear section with callouts for various components. A parts list table is visible on the right side of the interface.


Pos	Article	Usage	Qty	Part No.
1	Sensor	TIRE PRESSURE MONITORING SYSTEM	4	13 227 143
2	-Valve cap		1	91 93 183
3	-Valve		1	91 98 632
4	Sleeve nut		1	24 455 308
5	Electronic unit	2008-2009, TIRE PRESSURE MONITORING SYSTEM, NLS-USE 12846372	1	12 779 727
6	Ch. -91025165 Bracket	4D	1	12 764 396
7	Bracket	CV, TIRE PRESSURE MONITORING SYSTEM	1	12 770 219
8	Bracket	5D, TIRE PRESSURE MONITORING SYSTEM	1	12 770 217

1241634-1

[Förstora](#)

Bilder är endast för referens
Se produktspecifikationer



Mouser nr: 571-1241634-1


Tillverk: Nr.: 1241634-1

Tillverk: [TE Connectivity / AMP](#)

Kundnummer:

Beskrivning: Bilkontaktton MQS BU-GEH 4P SW

Datablad: [1241634-1 Datablad](#)

ECAD-modell:  3D-modell

Ladda ned den kostnadsfria [Libary Loader](#) för att omvandla denna fil för ditt ECAD-verktyg. [Läs mer om ECAD-modellen.](#)

Mer information [Lär dig mer om TE Connectivity / AMP 1241634-1](#)

Jämför produkt

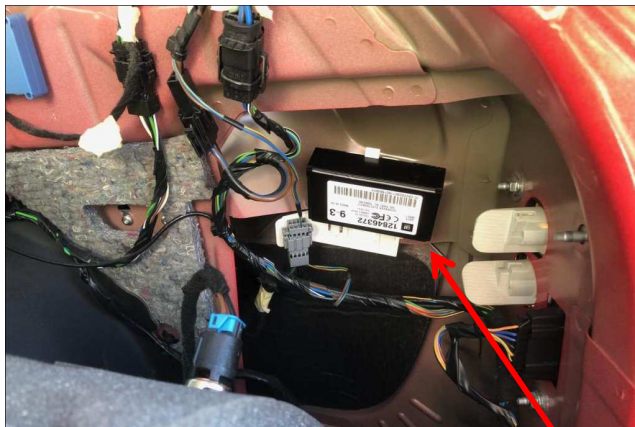
[Lägg till Projekt](#) | [Lägg till anteckning](#)

Installation

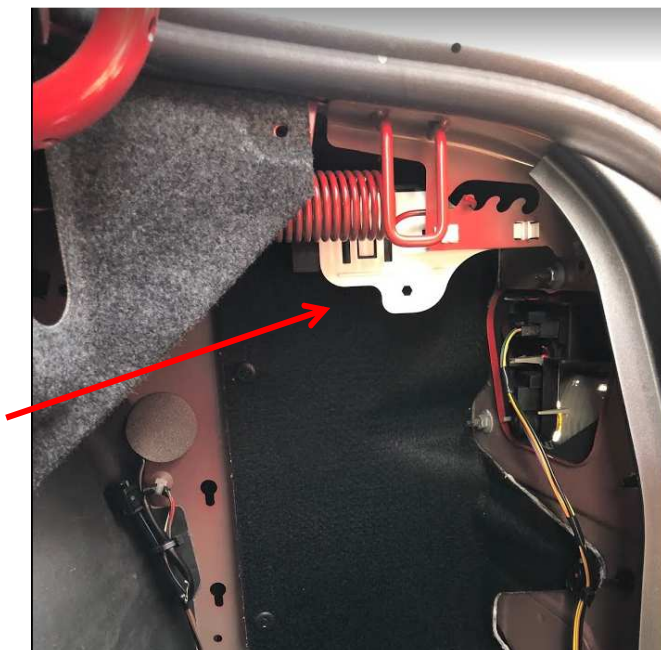
ECU

The ECU shall be attached to the bracket and installed in the right corner of the trunk compartment. It can be hard to find the bracket, but the ECU weights almost nothing so it shouldn't be any problem to find an alternative way to mount it, but it is important that the ECU is mounted in the same location for the communication with the sensors.

Sportwagon:



Sportsedan:



Wiring Harness

Three cables are needed to connect to the TPMS ECU:

- Pin1: I-Bus (**green**)
- Pin2: Not used
- Pin3: Battery voltage (**red**)
- Pin4: Ground (**black**)

There are many places in the vehicle in to connect these to, and the nearest is the rear electrical center (REC) or the Parking Assistance ECU. I have located one alternative below, and there are many others.

These pins are empty on cars without sunroof electronics:

REC "Head1" Pin12 Ground

REC "Head1" Pin8 Battery voltage (Fuse 18)

REC "Head1" Pin6 I-Bus

