

# eSID2

extended Saab Information Display Generation 2



2014-08-29

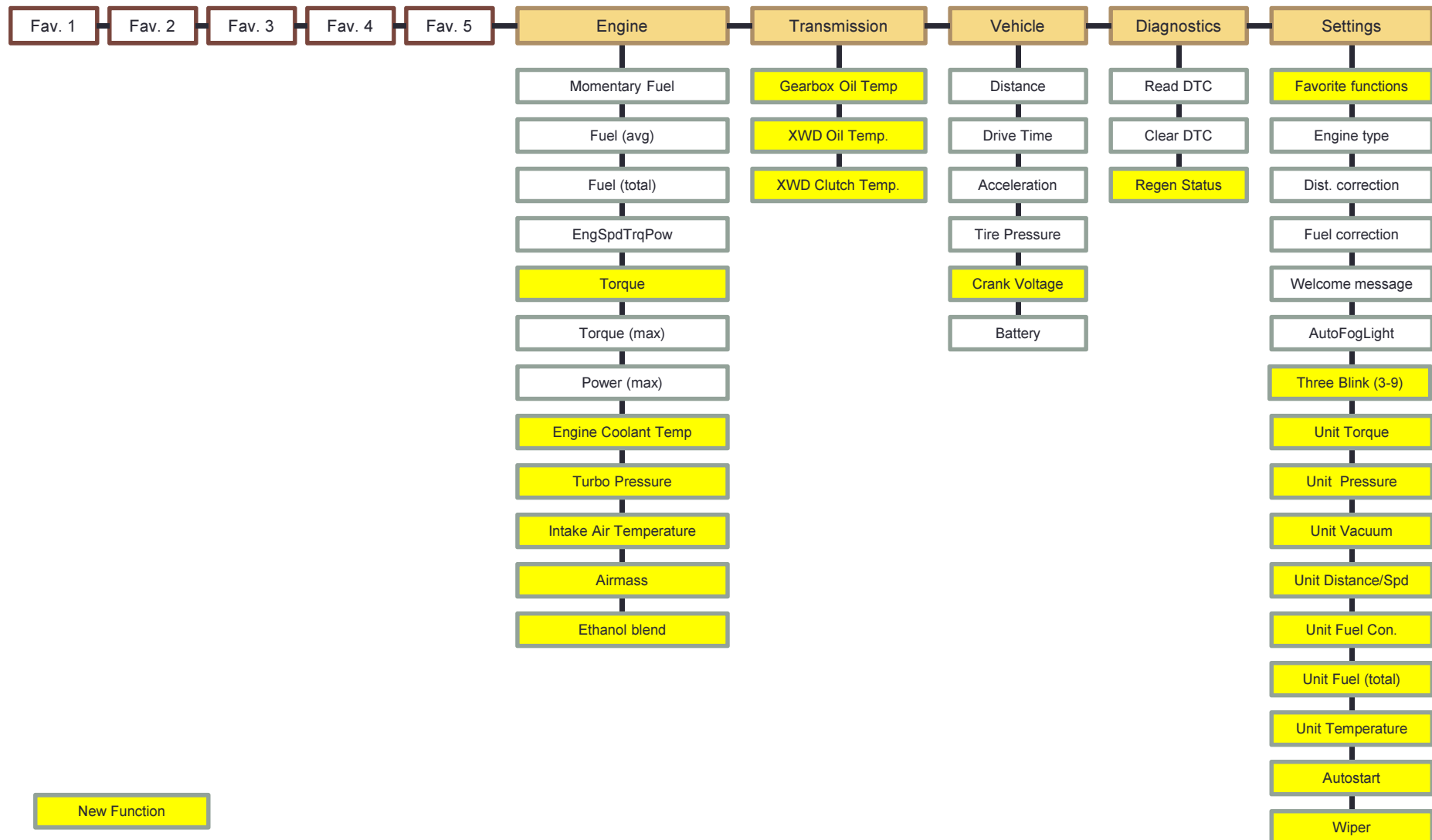
# What is eSID ?

- eSID enhances the Saab driving experience by collecting internal hidden car data and present it to the driver on the built-in SID (Saab Information Display) located in the instrument cluster on Saab 9-3 MY07 and newer cars
- It can never compete in price with a simply OBD-reader and a smart phone (that almost everyone has), instead it focuses on integration in existing vehicle functions and providing a range of new functions other than what OBD-tools provide, for instance "Three-Blink" and customizable startup message.
- The unit fits into a OBD-connector housing and can easily be mounted/removed from the vehicle within seconds.

# Whats new with eSID2 ?

- eSID2 has completely new hardware with a new microprocessor that has twice the capacity than the eSID1 together with dual CAN-buses.
- eSID2 now has five selectable favorite functions for easy access and all the functions are now sorted in function groups: Engine, Transmission, Vehicle and Diagnostics.
- A couple of new display functions has been added but also the possibility to select display units to make it more usable on all Saab markets
- Furthermore, a new windscreen wiper function has been developed where the driver can select the wiper speed.

# eSID2 Overview



# Can i have this in my vehicle?

- The eSID1 and 2 only works on Saab 9-3 MY07-12 and its plug and play. Just connect it to the OBD-connector near the accelerator pedal and start using it directly.
- Installation time: Expert: 5 seconds  
Beginner: 1 minute

# eSID Function Overview

Revision: 1.0  
 Date: 2014-08-29  
 eSID1 SW version: v1.14.1  
 eSID2 SW version: v2.00.0

Note! Functions marked with **RED** text means they only work on that variant

	eSID1	eSID2	Comments
<b>Engine Functions</b>			
Momentary Fuel	X	X	
Fuel (average)	X	X	Now possible to clear without clearing Fuel (tot) and Distance
Fuel (total)	X	X	Now possible to clear without clearing Fuel (avg)
Engine/Vehicle Speed + Momentary Torque/Power	X	X	eSID1: <b>Only B207/B284</b> engines shows torque. eSID2: <b>All engines show torque</b>
Momentary Torque		X	
Torque (max)	X	X	eSID1: <b>Only B207/B284</b> engines. eSID2: <b>All engines</b>
Power (max)	X	X	eSID1: <b>Only B207/B284</b> engines. eSID2: <b>All engines</b>
Intake Air Temperature		X	
Engine Coolant Temperature		X	
Airmass		X	<b>Only B207,B284,Z19DTx</b>
Turbo Pressure		X	<b>Only B207,B284,Z19DTx</b>
Fuel Alcohol ( <b>BioPower</b> )		X	Shows ethanol in percentage from engine adaptation
<b>Transmission Functions</b>			
Transmission Oil Temperature ( <b>Automatic</b> )		X	
XWD Clutch Temperature ( <b>XWD</b> )		X	
XWD Oil Temperature ( <b>XWD</b> )		X	
<b>Diagnostics Functions</b>			
Read/Clear Faultcodes on I-bus	X	X	All nodes except Engine, Transmission and Brake
Read/Clear Faultcodes on P-bus		X	Engine,Transmission and Brake etc
Regeneration Information ( <b>Diesel</b> )		X	<b>Still under investigation exactly which information that can be put here</b>
<b>Vehicle Functions</b>			
Actual Gear ( <b>Automatic</b> )	X	X	
Cold Weather Indication	X	X	
ThreeBlink	X	X	
"Stealth Mode" shown on Night Panel activation	X	X	
Customable welcome message	X	X	
Battery Voltage	X	X	
Battery Temp/SOC/Current ( <b>MY2011-2012</b> )		X	Requires battery sensor only available on MY2011-2012
Crank voltage		X	Shows how much the voltage dips during cranking
Distance	X	X	Now possible to clear without clearing Fuel (avg)
Drive Time	X	X	
Acceleration Test	X	X	
Tire Pressure ( <b>TPMS</b> )	X	X	
WindscreenWiper		X	Pull down wiper stalk for 1 second, than after release the eSID will count the time until you do a new short windscreen wipe and will after that keep that interval, works up to 40 seconds between wipes. Possible to deactivate.
<b>Settings</b>			
Engine type	X	X	B207, B284, Z19DTx and Other
TrqFactor	X		(Not needed on eSID2)
Distance Correction	X	X	
Fuel Correction	X	X	
Customizable Welcome Message (Yes/No)	X	X	
Clear Welcome Message		X	Now possible to clear Welcome message before entering a new one.
AutoFogLight (ParkLight activation)	X	X	
AutoFogLight (Full/Main beam activation)		X	
Number of blinks in ThreeBlink function (Off or 3-9 blinks)		X	Now possible to disable function or use more blinks
Unit Torque		X	Nm, lbft
Unit Pressure		X	kPa, bar, psi
Unit Vacuum		X	bar, Hg
Unit Distance		X	Kilometer, Miles
Unit Fuel (total)		X	Litre, Imp. Gallons, US Gallons
Unit Fuel consumption		X	L/10km, L/100km, mpg Imp., mpg US
Unit Temperature		X	Celcius, Fahrenheit
AutoStart (Yes/No)		X	Autostart eSID after turning on ignition (after welcome message if activated)
Five selectable favorite functions		X	For easy access to favorite display functions
WindscreenWiper function (Yes/No)		X	