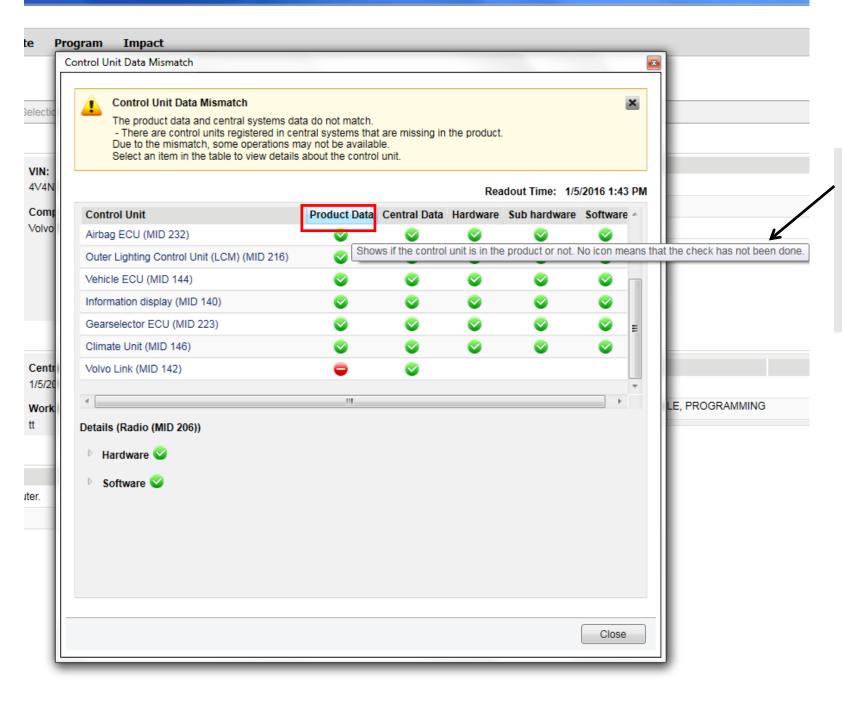**Control Unit Information**

When you select an ECU, you can see the details of the Hardware and Software

Control Unit Information

Place the mouse over the title in each column for the detailed information

Note that if the "Product Data" has a red indicator, Tech Tool is not reading any data from that ECU.

Control Unit Information

Shows if the control unit is in Central Systems. No Icon means that the check has not been done.

Control Unit Information

Product **Product History** **Diagnose** **Test** **Calibrate** **Program** **Impact**

Selected Produ...

Refresh | Set...

Product Details

Chassis ID:
N 172709

Model:
VN

Emission Level:
US10 + OBD2013

Electrical System:
VERSION3

Work Session

Product Data Retrie...
1/8/2016 9:27 AM

Communication Unit:
VOCOM/88890020/888

Connectivity

Status Description
✓ VOCOM/88890...
✓ The selected p...

Control Unit Data Mismatch

⚠ **Control Unit Data Mismatch**

The product data and central systems data do not match.
- There are control units registered in central systems that are missing in the product.
Due to the mismatch, some operations may not be available.
Select an item in the table to view details about the control unit.

Readout Time: 1/8/2016 9:29 AM

Control Unit	Product Data	Central Data	Hardware	Sub hardware	Software
Aftertreatment Control Module (ACM)	✓	✓	✓	✓	✓
Transmission ECU (TECU)	✓	✓			
Engine Control Module (EMS)	✓	✓	✓	✓	✓
Radio (MID 206)	✓	✓	✓	✓	✓
Climate Unit (MID 146)	✓	✓	✓	✓	✓
Outer Lighting Control Unit (LCM) (MID 216)	✓	✓	✓	✓	✓
Vehicle ECU (MID 144)	✓	✓	✓	✓	✓
Airbag ECU (MID 232)	✓	✓	✓	✓	✓

Shows if control unit hardware is the same in both product and central systems. No icon means that the check has not been done.

Details (Aftertreatment Control Module (ACM))

▷ Hardware ✓
▷ Software ✓

Close

Description

...TCs with status Active. Click Diagnose to view DTCs.
...ontrol unit data mismatch. Details >>
...urrent battery level: 11.9 V.

...s (0)
...o available campaigns for this product.

Hardware shows if the control unit is the same in Central Systems and the vehicle. No Icon means that the check has not been done.

Control Unit Information

Control Unit Data Mismatch

⚠ **Control Unit Data Mismatch**   ✖

The product data and central systems data do not match.
 - There are control units registered in central systems that are missing in the product.
Due to the mismatch, some operations may not be available.
Select an item in the table to view details about the control unit.

Readout Time: 1/5/2016 1:43 PM

Control Unit	Product Data	Central Data	Hardware	Sub hardware	Software
Airbag ECU (MID 232)	✓	✓	✓	✓	✓
Outer Lighting Control Unit (LCM) (MID 216)	✓	✓			
Vehicle ECU (MID 144)	✓	✓	✓	✓	✓
Information display (MID 140)	✓	✓	✓	✓	✓
Gearselector ECU (MID 223)	✓	✓	✓	✓	✓
Climate Unit (MID 146)	✓	✓	✓	✓	✓
Volvo Link (MID 142)	⛔	✓			

Shows if control unit sub hardware is the same in both product and central systems. No icon means that the check has not been done.

Details (Radio (MID 206))

▷ Hardware ✓

▷ Software ✓

Close

A Sub Hardware example is the rain sensor

Control Unit Information

Control Unit Data Mismatch

⚠ **Control Unit Data Mismatch**

The product data and central systems data do not match.
 - There are control units registered in central systems that are missing in the product.
Due to the mismatch, some operations may not be available.
Select an item in the table to view details about the control unit.

Readout Time: 1/5/2016 1:43 PM

Control Unit	Product Data	Central Data	Hardware	Sub hardware	Software
Airbag ECU (MID 232)	✅	✅	✅	✅	✅
Outer Lighting Control Unit (LCM) (MID 216)	✅	✅			
Vehicle ECU (MID 144)	✅	✅	✅	✅	✅
Information display (MID 140)	✅	✅	✅	✅	✅
Gearselector ECU (MID 223)	✅	✅	✅	✅	✅
Climate Unit (MID 146)	✅	✅	✅	✅	✅
Volvo Link (MID 142)	⛔	✅			

Shows if control unit software is the same in both product and central systems. No icon means that the check has not been done.

Details (Radio (MID 206))

▷ Hardware ✅

▷ Software ✅

Close

This column DOES NOT indicate if there is newer SW available.   To check on newer versions, go to programming and program the ECU.

Readout Time: 1/5/2016 1:43 PM

LE, PROGRAMMING

Software shows if the control unit Software is the same in Central Systems and the vehicle. No Icon means that the check has not been done.

Selected Product (N 141351)

Refresh   Settings...   Manual Selection...   ⓧ   Finish Work

Product Details

This column DOES NOT indicate if there is newer SW available.   To check on newer versions, go to programming and program the ECU.

Readout Time: 2/5/2016 4:07 PM

Chassis ID: N 141351					...ware	Sub hardware	Software ▲		Validated
						✅	✅		2/5/2016 4:07 PM
Model: VN		Comp...							2/5/2016 4:07 PM
		Volvo	Aftertreatment Control Module (ACM)	✅	✅	✅	✅	✅	2/5/2016 4:07 PM
Emission Level: US10 + OBD2013			Engine Control Module (EMS)	✅	✅	✅	✅	⛔	
			Airbag ECU (MID 232)	✅	✅	✅	✅	✅	
Electrical System: VERSION3			Radio (MID 206)	✅	✅	✅	✅	✅	
			Outer Lighting Control Unit (LCM) (MID 216)	✅	✅	✅	✅	✅	
Work Session			Vehicle ECU (MID 144)	✅	✅	✅	✅	✅	Readout Time: 2/5/2016 4:07 PM
			Climate Unit (MID 146)	✅	✅	✅	✅	✅	
Product Data Retrieved: 2/5/2016 4:07 PM		Centr... 2/5/20	Information display (MID 140)	✅	✅	✅	✅	✅	
Communication Unit: Nexiq USB-Link		Work... hh							

Details (Transmission ECU (TECU))

⯈   Hardware ✅

⯈   Software ✅

In this example, the red circle indicates that this ECU software in the vehicle does not match the software version in central data.

Connectivity

Status	Description
✅	Nexiq USB-Link (USB) is connected to the computer.
✅	The selected product N 141351 is connected.

Close

Selected Product (N 141351)

Refresh | Settings... | Manual Selection... | (L | Finish Work

Product Details

Chassis ID:
N 141351

Model:
VN

Emission Level:
US10 + OBD2013

Electrical System:
VERSION3

Work Session

Product Data Retrieved:
2/5/2016 4:07 PM

Communication Unit:
Nexiq USB-Link

Connectivity

Status Description
- Nexiq USB-Link (USB) is connected to the computer.
- The selected product N 141351 is connected.

Control Unit Information

Readout Time: 2/5/2016 4:07 PM

	Validated
	2/5/2016 4:07 PM
e Sub hardware Software	2/5/2016 4:07 PM
	2/5/2016 4:07 PM

Engine Control Module (EMS)
Airbag ECU (MID 232)
Radio (MID 206)
Outer Lighting Control Unit (LCM) (MID 216)
Vehicle ECU (MID 144)
Climate Unit (MID 146)
Information display (MID 140)

Readout Time: 2/5/2016 4:07 PM

LE, PROGRAMMING

Details (Transmission ECU (TECU))

Hardware
Software

Close

This column DOES NOT indicate if there is newer SW available. To check on newer versions, go to programming and program the ECU.

In this example, the green software indicates that the vehicle and central data versions match.

Note that there could be update software available.
It is necessary to attempt to reprogram to determine if the ECU has the newest software available.

Centr
2/5/20

Work
hh