



# Technical Journal

TITLE:

**Sensus/Sensus Connect Navigation Base Map Versions**REF NO:  
**TJ 35058.1.3**ISSUING DEPARTMENT:  
**Technical Service**CAR MARKET:  
**United States and Canada**PARTNER:  
**3 US 7510 Volvo Car USA**ISSUE DATE:  
**2019-07-29**STATUS DATE:  
**2019-12-18**FUNC GROUP:  
**3900**FUNC DESC:  
**Media, navigation and  
communication**

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**“Right first time in Time”**

## Attachment

File Name	File Size
TJ Instruction_35058_Q42019_v2.pdf	0.5571 MB

## Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
1XX							2011-2015		-	201020-201419
1XX							2015-2018		-	201420-201810
2XX							2016-9999		-	201505-999952
5XX							2019-9999		-	201746-999952

## CSC Customer Symptom Codes

Code	Description
7N	Navigation/Other navigation problems
HP	Navigation/Navigation system gives incorrect directions
IC	Navigation/Updates of information slow/does not work
3L	Technician information/Repair information/Not for warranty use
2V	Technician information/Software/Vehicle communication/Not for warranty use

## VST Operation Number



## **DTC Diagnostic Trouble Codes**

Rows beginning with \* are modified

Note! If using a printed copy of this Technical Journal, first check for the latest online version.

## **Text**

### **DESCRIPTION:**

- \*Additional release dates added
- \*Note about release week/day added
- \*Note regarding macOS added
- \*Note regarding increased OTA limit added

IHU = Infotainment Head Unit

PDS = Pre-Delivery Service

This TJ can be used as a reference for the latest and upcoming base map versions for cars equipped with Volvo Sensus and Sensus Connect navigation.

### **SERVICE:**

See attachment.

### **\*Additional Notes/News:**

- Base map downloads are currently **not** possible with Apple/Mac computers that are running macOS “Catalina” (10.15) due to a compatibility issue. This is planned to be resolved during Q1 2020.
- With the latest IHU software that was released December 2nd, 2019, the Over-the-Air (OTA) map update limit for map *segment* (regional) upgrades has been increased from 500MB to 950MB. This will allow larger updates to be performed over-the-air and reduce the need for the customer to upgrade the complete base map via USB on a monthly basis. TJ 31543 contains instructions on how to install the latest software (IHU software is included in the Total Upgrade/Service 2.0/PDS Upgrade packages).

**Warranty Note:** Map upgrades are not a matter for warranty.

### **VEHICLE REPORT:**

N/A

**To view TJ attachment continue to next page. This TJ has one attachment.**

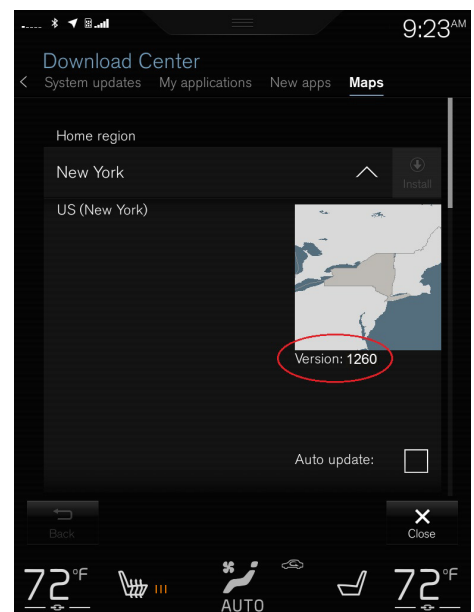
Volvo Car Customer Service		
	TJ Instruction	
	TJ No 35058	
		Date December 10-2019 Issue 03
Title	Sensus Navigation Base Map Versions and Release Schedule	

**\*Note:** Map release dates are provided indicate the calendar week of the release. The new maps are normally released on the **Thursday** of the week listed but can sometimes be delayed up to 24 hours.

#### SPA/CMA (P5/P6) (2016-)

Release Date	Version	Note(s)
2019w05	1250	
2019w09	1253	
2019w13	1256	
2019w18	1260	
2019w21	1263	
2019w25	1266	
2019w33	1270	Delayed from 2019w28
2019w36	1273	
2019w38	1276	
2019w41	1280	
2019w45	1283	
2019w49	1286	
2020w03*	1290	
2020w07*	1293	
2020w11*	1296	
2020w15*	1300	

\*Date is approximate and subject to change without notice



**P3 w/Sensus Connect (IHU) (MY2015.5 – MY2018, Structure Week 201420- )**

Date	Version
2018w20	31676535
2019w15	31676537
2019w46	31676538
*2020w16	31676539



Work List

- Planning
  - Customer Symptom Codes
  - Claim Types
  - Technical Journals
  - Service Programs
  - Operations and Packages
  - Parts
  - Software
- Diagnostics
  - Network
  - Fault Tracing
  - Vehicle Communication
  - Reference Information
  - Wiring Diagrams

Control Module

ECM TCM PSCM PDM SUM DEM BODR PAC

SAS FSM ICMHJ DHM AUD TVM

BCM CVM LAM DABM RDAR

PBM DIM CPM CCM DDM PSM KVM PAM

SRS CEM TRM BODL

CT

Infotainment Control Module (ICM)

Parameters Activations Programmed Values Advanced

Bluetooth information (only vehicles with Infotainment Head Unit...)

Bluetooth Signal Quality

Miscellaneous

- Control module power supply
- Display Temperature
- LCD Illumination Level
- Signal Intensity Main Antenna
- Signal Intensity Sub Antenna
- Power Mode
- ☒ Navigation Map Version

Selected Parameters Information

Parameters	Value
ICM-Navigation Map Version	31421850 AA

Remove Graphic Display Enlarge

**P3 w/Sensus (ICM/IAM) (MY2011– MY2015A, Structure Week 201020-201419)**

Per TJ 31762, as of 2017, maps for this system must be upgraded by USB.

Release Date	Version
2018w20	30.18.02
2019	None
2020w22	TBD

NOTE: the 2020 map update will be the final update released for this system.

**Map and software version**

Software version:  
1040

Map version:  
V 30.13.02

Map market:  
North America



### **Internet Maps**

SPA and P3 Sensus Connect vehicles that are not equipped with factory Sensus Navigation have the option to use basic internet based navigation referred to as “Internet Map.” These applications do not provide voice guidance or turn-by-turn instructions and do not use an on-board map. The Internet Maps are updated online and do not require any updates to the vehicle itself.

For P3 vehicles, the internet map is updated *approximately* twice per year.

For SPA vehicles, the internet map is updated *approximately* every two weeks.

### **Abbreviations**

IAM – Integrated Audio Module

ICM – Infotainment Control Unit

IHU – Infotainment Head Unit

SPA – Scalable Product Architecture

CMA – Compact Modular Architecture