

Toursto Cumporto

Premium Audio Navigation Map Update Process

Service

Category Audio/Visual/Telematics

Section	Navigation/Multi Info Display	Market USA	ASE Certification
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Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION	
2020	4Runner, Avalon, Camry, Corolla, Highlander, Mirai, RAV4, Sequoia, Sienna, Tacoma, Tundra		
2019	Avalon, Avalon HV, C-HR, Corolla Hatchback, RAV4, RAV4 HV		
2018 - 2019	Camry, Camry HV, Mirai, Sienna		

REVISION NOTICE

December 13, 2019 Rev1:

• Applicability has been updated to include several 2020 model year Toyota vehicles.

• The Required Tools & Equipment section has been updated.

Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2018 – 2020 model year Toyota vehicles equipped with a Premium Audio with Dynamic Navigation System require a Special Service Tool (SST) USB flash drive to update the map, points of interest, and system software. The SST is used with applicable vehicles to deliver the update; however, the process for generating license keys differs from previous generations.

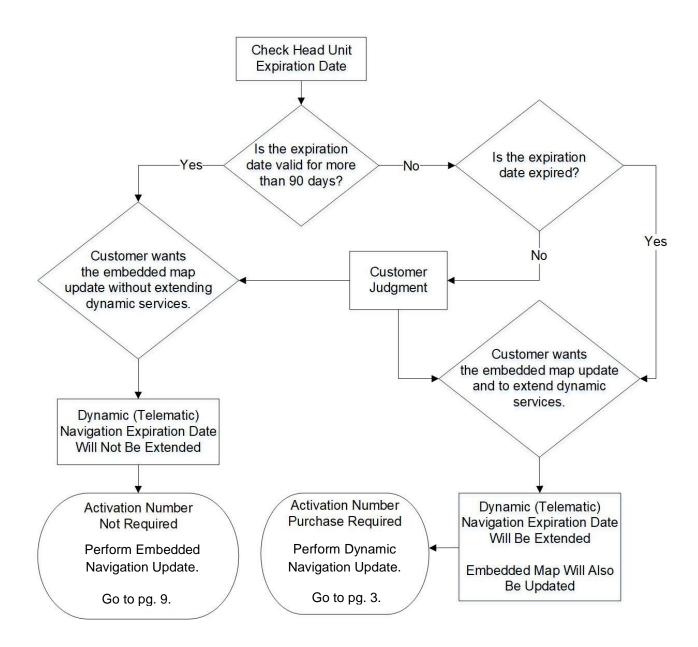
Before attempting to perform a map update, the head unit's expiration date must be checked. If the expiration date is still valid, a license key may be generated without the use of an activation card number. Updating the maps without the use of an activation card number is considered an Embedded Navigation Update (refer to pg. 9) and performing this process does not extend the duration of telematic map services. If the head unit's expiration date is expired, or is expiring within the next 90 days, it should be recommended to the customer to purchase an activation number. Utilizing an activation number will initiate a Dynamic Navigation Update (refer to pg. 3). This Dynamic Navigation Update will perform the Embedded Navigation Update and provide telematic map services for a period of two years from the day that the Dynamic Navigation Update is performed.

Introduction (continued)

Activation card numbers are provided in an activation card number pamphlet available through the normal parts ordering system. Follow the process in this bulletin to perform the update.

NOTE

Map data is released once each year through the shipment of an SST USB flash drive to each dealer. The SST MUST be stored in the SST cabinet to ensure it can be easily found.



Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	-	_	-	-

Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
USB Drive Navigation Update – AWTEC*	TLAW-SD017-19F	1

*Essential SST.

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

Dynamic Navigation Update

- 1. Search TIS for ANY available firmware updates for the selected model and model year. Complete the firmware update(s) BEFORE installing the map data.
- 2. Cycle the ignition ON (Engine/Hybrid/EV system OFF).

NOTE

- Vehicles WITHOUT Smart Key system: Turn the ignition key to the ON position.
- Vehicles WITH Smart Key system:
 Press the Engine Start Stop switch two times with the brake pedal released.
- 3. Select the Map button on the navigation head unit.

Figure 1.



Dynamic Navigation Update (continued)

4. Select the Map Options icon on the navigation screen.



Figure 3.

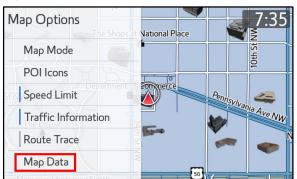


Figure 4.



Figure 5.

Map Data	7:35
U	IS 🕤
Map version: 05–67-	-50 [2016-12-0]
Map Coverage	Legal Info
Map update s	ervice: Active
Expiration date	2: **/**/***
Updat	е Мар

5. Select Map Data on the Map Options menu.

6. Record the map version and expiration date from the navigation screen.

7. Select Legal Info.

Dynamic Navigation Update (continued)

8. Record the map update ID.

Figure 6.

Legal Information 7:35	
Map update ID: 1702-1716-1910-1266	€
2017 - 2018 Ver.1A	\$
© 1987–2017 HERE. All rights reserved.	- 1-
Canada	
This data includes information taken with permission from	
Canadian authorities, including © Her Majesty, © Queen's	
Printer for Ontario, © Canada Post, GeoBase®, ©	
Department of Natural Resources Canada. All rights reserved.	\approx

- 9. Login to TIS.
- 10. Log into the Navigation Update Wizard.
 - A. Select the TIS tab.
 - B. Select the Diagnostics tab.
 - C. Select the Navigation tab.
 - D. Re-enter your password.
 - E. Select Login.
- 11. Select AWTEC from the Select Navigation Manufacturer dropdown menu.
- 12. Enter the vehicle's VIN and head unit expiration date.

NOTE

It is recommended to perform a Dynamic Navigation Update under the following conditions:

- The expiration date is expired.
- The expiration date will expire in 90 days or less.
- The customer would like to continue the dynamic navigation system for a period of 2 years from the date of the update.



Figure 8.

Please complet	te the following fields to receive a license key.
Dealer Code:	35682
Dealer Name:	Toyota City
Technician Name:	John Smith
*Select Navigation Manufacturer:	AWTEC
VIN:	4T1BZ1HK9JU002801
*Expiration Date:	01/01/2020
	Back Clear Submit

Dynamic Navigation Update (continued)

- Enter the activation card number from the inside of the pamphlet (obtained from the parts department).
- 14. Select Submit.



- 15. Enter the navigation data into the Navigation Update Wizard form.
 - A. Select the correct USB part number (found on the SST packaging, starts with "TLAW").
 - B. Input the map update ID into TIS (without hyphens).
 - C. Input the map version into TIS (without hyphens).
 - D. Enter the VIN.
 - E. Enter the repair order number.
 - F. Enter the expiration date.
 - G. Select Submit.
- 16. Check off each item AFTER confirming that it is correct. If ANY of the information is incorrect, select the back button.
- 17. Select Confirm.

Figure 10.

ScanTool	Reprogramming	Immobilizer Reset	Key Code	Telematics	Navigation
vigation Update Wizard					
	Please	complete the following fields	to receive a license ke	sy.	
		r Code: 35682			
		Name: Toyota City			
	Technician Navigation Manufa	Name: John Smith			
		lumber: TOYA-1234-1234-1			
	*USB Sti	ick P/N: TLAW-SD017-18S	~		
	*Map Up	date ID: 1702 - 1716 - 19	10 - 1266		
	"Old Map \	/ersion: 056750 2016120			
		VIN: JTH CLSEF 1	0000001		
"Re	pair Order/Parts Invoice N	lumber: 13167	_		
	*Expiratio	on Date: 01/01/2020			

Figure 11.

	ScanTool	Reprogramming	Immobilizer Keset	Key Code	Telematics	Navigation
lavigal	tion Update Wizard	1				
lou are	about to update the I	Navigation Map. Please conl	firm the following by checkin	each box below.		
Yeu Yeu	have USB Stick P/N	TLAW-SD017-18S USB Driv	e - Navigation Update			
You You	have entered Map U	pdate ID: 110211028194873	14			
V You	have entered Old Ma	ap Version 211617 2017060	01			
VIN	is JTHCLSEF1E00000	01				
Expi	ration Date is 01/01/2	2020				
The	customer is performin	ng a Dynamic Navigation upo	date which applies the latest U	SB data to the vehicle ar	nd also extends the custom	er's Dynamic Navigatio
subr	scription by a time per	riod of 2 years effective from	today's date. An Activation C	ard was required to gene	rate this license key.	
			Back	and the second se		

Dynamic Navigation Update (continued)

18. Note the license key that is generated. (It is recommended to print this page.)

Home TI	Service Lane	/			
Library 🦉 Diagnostics	9 Tech Assistance	O Vehicle Inquiry			
ScanTool	Reprogramming	Immobilizer Reset	Key Code	Telematics	Navigation
Navigation Update Wizard					
fhank you 1		one update. Please print th our License Key is: 1	2341234	te.	
	Please use this lice	nse key with USB Stick: P/I	N - TLAW-SD017-18S scription - USB Drive - M	lavisation Update	
		Map Update ID: 11	02110281948734		
		New Map Version: 21	-16-17 2017-06-01		
Navigation Update Vehicle Dr	stads	VIN: JT	HCL5EF1E0000001		
	Repair Order	/Parts Invoice Number: 13	167		
		Dealer: 35	682		
	Clief	here to return to the Navi	gation homepage	Print	

- 19. Insert the USB flash drive SST into the USB port of the vehicle (usually located under the navigation head unit, in the center console/armrest, or glove box).
- 20. Select Update Map on the Map Data screen.

Figure 13.

7:35		
s 🕤		
50 [2016-12-0]		
Legal Info		
ervice: Active		
:: **/**/****		
е Мар		

- 21. Select YES.
- 22. Enter the license key from step 18.
- 23. Select OK.

Enter Licen	Enter License Key		7:37	
	9653-137	8		← 5
	1	2	3	
	4	5	6	
	7	8	9	
		0		
				OK

Figure 15.

Figure 16

Premium Audio Navigation Map Update Process

Dynamic Navigation Update (continued)

24. Update the navigation head unit software. If the head unit displays Figure 17, skip to step 26 when prompted.

NOTE

Navigation map data will load when this process completes.

Лар) Update	7:37	
	New map software is being c Map update will begin after t ·Please do not remove the up ·Please do not turn your vehi	the software has been updated. In the media from the vehicle.	

A. Allow the update to complete.

NOTE

This process will take about 10 minutes.

B. The head unit will prompt to cycle the ignition. Cycle the ignition OFF, then ON (Ready OFF/Engine OFF) when prompted.

Do NOT remove the USB during this process.	

25. The Map Update screen will display and the navigation map update will begin automatically.

NOTE

This process will take about 45 minutes.

() Map Update	7:38	
Maj	p data is being copied.	3
	>>>>> constructions ove the update media from the vehicle. a do not turn off the vehicle.	
Estimated	time remaining: 30 min	

Dynamic Navigation Update (continued)

- 26. When prompted, remove the USB flash drive from the vehicle's USB port.
- 27. The map update is complete.

Figure 18.



28. Verify navigation operation.

Embedded Navigation Update

- 1. Search TIS for ANY firmware updates that are available for the selected model and model year. Complete the firmware update(s) BEFORE installing the map data.
- 2. Cycle the ignition ON (Engine/Hybrid/EV system OFF).

NOTE

- Vehicles WITHOUT Smart Key system: Turn the ignition key to the ON position.
- Vehicles WITH Smart Key system:

Press the Engine Start Stop switch two times with the brake pedal released.

3. Press the Map button on the navigation head unit.

Figure 19.



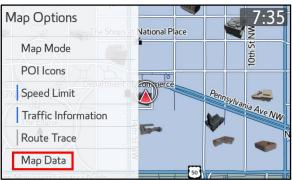
Embedded Navigation Update (continued)

4. Press the Map Options icon on the navigation screen.



5. Select Map Data on the Map Options menu.

Figure 21.



6. Record the map version and expiration date from the navigation screen.

Figure 22. Map Data			7:35				
	US				•		
		-		- 1			
Map ve	Map version: 05-67-50 [2016-12-0]						
Мар С	nfo						
Map update service: Active							
	Expiration date	: **/	**/****				
	Update	Мар					

7. Select Legal Info.



Figure 24.

Legal Information 7:35	
Map update ID: 1702-1716-1910-1266	€
2017 - 2018 Ver.1A	~
© 1987–2017 HERE. All rights reserved.	1
Canada	
This data includes information taken with permission from	
Canadian authorities, including ${\mathbb O}$ Her Majesty, ${\mathbb O}$ Queen's	
Printer for Ontario, © Canada Post, GeoBase®, ©	
Department of Natural Resources Canada. All rights reserved.	\approx

- 9. Log into TIS.
- 10. Log into the Navigation Update Wizard.
 - A. Select the TIS tab.

8. Record the map update ID.

- B. Select the Diagnostics tab.
- C. Select the Navigation tab.
- D. Re-enter your password.
- E. Select Login.

Figure 25.

the second s	ScanTool		O Vehicle Inquiry	10.000	-	
	ScanTool	Reprogramming	Immobilizer Reset	Key Code	Telematics	Navigation
avigation (Update Wizard	NC				
			Receive a Licer	ise Key		
nce an Activ	ation Card is pur	rchased, proceed with the	navigation update wizard to	obtain a license key.		
he license ke pdate.	ry allows the use	er to update the map in a i	savigation unit within the cust	comer's vehicle. Note th	at one license key allows	for one navigation may
a antes usus	Password below	to proceed with the Navi	gation Map Update Request fo	orm.		

Embedded Navigation Update (continued)

11. Select AWTEC from the Select Navigation Manufacturer dropdown menu.

Figure 26.

Figure 27.

Please comple	te the following fields to receive a license key.
Dealer Code:	35682
Dealer Name:	Toyota City
Technician Name:	John Smith
*Select Navigation Manufacturer:	AWTEC 🗸
VIN:	4T1BZ1HK9JU002801
*Expiration Date:	01/01/2020

12. Enter the vehicle's VIN and head unit expiration date.

NOTE

It is recommended to perform an Embedded Navigation Update under the following conditions:

- The head unit's expiration date is valid and NOT expired.
- The head unit's expiration date will NOT expire in the next 90 days.
- The customer would like to perform an Embedded Navigation Update during the last 90 days. (This process will NOT extend the dynamic navigation system.)
- 13. Select Submit.
- Enter the navigation data into the Navigation Update Wizard form. (An activation card number is NOT required.)
 - A. Select the correct USB part number (found on the SST packaging, starts with "TLAW").
 - B. Input the map update ID into TIS (without hyphens).
 - C. Input the map version into TIS (without hyphens).
 - D. Enter the VIN.
 - E. Enter the repair order number.
 - F. Enter the expiration date.
 - G. Select Submit.

	Reprogramming	Immobilizer Reaet	Key Code	Telematics	Navigation
Navigation Update Wizard					
	Please	complete the following field	s to receive a license ke	iy.	
	Dealer	Code: 35682			
		Name: Toyota City			
		Name: John Smith			
	Manufai	turer: AWTEC			
		VIN: 4T18Z1HK93U0028	11		
(*) - Indicates Required Field(s)	*Expiration	Date: 01/01/2020			
		Contract Contractor	and the second se		
		Back Clear	Submit		

Figure 28.

	ScanTool	Reprogramming	Immobilizer Reset	Key Code	Telematics	Navigation
avigatic	n Update Wizard					
			complete the following fiel	ds to receive a license lo	ey.	
			r Code: 35682			
			Name: Toyota City Name: John Smith			
		Navigation Manuf.				
			umber: NOT REQUIRED			
		"USB St	ick P/N: TLAW-SD017-185			
		*Map Up	date ID: 1702 - 1716 - [1910 - 1266		
		"Old Map \	/ersion: 056750 2016120			
			VIN: JTH CLSEF	1E0000001		
	*Re	pair Order/Parts Invoice N	lumber: 13167			
		*Expiration	on Date: 01/01/2020			

Embedded Navigation Update (continued)

- 15. Check off each item AFTER confirming that it is correct. If ANY of the information is incorrect, select the back button.
- 16. Select Confirm.

Figure 29.



17. Note the license key that is generated. (It is recommended to print this page.)

Figure 30.

ScanTo	x	Reprogramming	Immobilizer Reset	Key Code	Telematics	Navigation
Navigation Update	Wizard					
Thank you	This lic	ense key is valid for	one update. Please print this	page for your referenc	e.	
		-				
			Your License Key is: 12 inse key with USB Stick: P/N			
		Please use this lice		cription - US8 Drive - N	avigation Update	
			Map Update ID: 110	2110281948734		
			New Map Version: 21-	16-17 2017-06-01		
Vavigation Update Ve	hicle Details		1004	CL5EF1E0000001		
		Marcala Made	r/Parts Invoice Number: 131			
		Kepan Orde	Dealer: 356			
			Desier, 550	04		
		Clic	k here to return to the Navig	ation homepage	Print	

- 18. Insert the USB flash drive SST into the USB port of the vehicle (usually located under the navigation head unit, in the center console/armrest, or glove box).
- 19. Select Update Map on the Map Data screen.

Figure 31.

Map Data	7:35						
U	S	€					
Map version: 05–67-	Map version: 05-67-50 [2016-12-0]						
Map Coverage	Legal Info						
Map update service: Active							
Expiration date: * */ * */****							
Updat	е Мар						

20. Select Yes.

Embedded Navigation Update (continued)

- 21. Enter the license key from step 18.
- 22. Select OK.

Figure 32.

Enter License Key			7:37		
	9653-137	78			
	1	2	3		
	4	5	6		
	7	8	9		
		0			
				OK	

23. Update the navigation head unit software. If the head unit displays the Map Update screen, go to step 25.

NOTE

Navigation map data will load when this process completes.

Figure 33.

N

1ap Update	7:37	
New map software is being c	opied.	
Map update will begin after t	he software has been updated.	
 Please do not remove the up 	date media from the vehicle.	
·Please do not turn your vehi	cle power off.	

A. Allow the update to complete.

NOTE

This process will take about 10 minutes.

Figure 34.

Map Upda	ite	7:37	
			Ð
The	map software has been copied.		
To c	omplete the software update.		
·Plea	ase ensure your vehicle is parked is	s in a safe place.	
·Turi	n your vehicle power off.		
·Res	tart your vehicle.		

B. The head unit will prompt to cycle the ignition. Cycle the ignition OFF, then ON (Ready OFF/Engine OFF) when prompted.

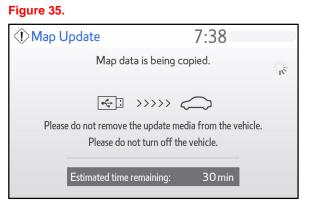
NOTE

Do NOT remove the USB during this process.

24. The Map Update screen will display and the navigation map update will begin automatically.

NOTE

This process will take about 45 minutes.



- 25. When prompted, remove the USB flash drive from the vehicle's USB port.
- 26. The map update is complete.

Figure 36.



27. Verify navigation operation.