### **Kit Contents**

Item #	Quantity Reqd.	Description
1	1	Wire Harness
2	1	Yellow Wire
3	1	GBS ECU
4	1	GBS Mounting Bracket
5	1	Microphone

### Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	1	Self-tapping Screw
2	4	Foam Tapes
3	30	Wire Ties
4	4	V5 Warning Labels w/Red Tag English/Spanish
5	2	V2 Window Labels (discard)
6	1	V5 Owners Guide
7	1	V2 Owner's Guide (discard)
8	1	Warranty Card
9	1	M6 Nut
10	4	V5 Key Tag English/Spanish
11	2	Splicing Connector

### **Additional Items Required For Installation**

Item #	Quantity Reqd.	Description
1	1	Electrical Tape

### Conflicts

Note: Must not be installed in vehicles with factory TDS.

### **Recommended Tools**

Personal & Vehicle	Notes
Protection	
Safety Glasses	
Safety Gloves	(Optional)
Vehicle Protection	Blankets, Part Boxes
Special Tools	Notes
Scan Tool and Software	01001271 with Version 13.3
Card	Software (or later)
Striker Tool (PPO Only)	CAD-E IADS
	P/N: ALL 02-016-01
Pin Terminal Tool (PPO	
Only)	
<b>Installation Tools</b>	Notes
Phillips Head Screwdriver	#2, screwdriver or tip
Flatblade Screwdriver	Small, Regular
Socket	10 mm, extension
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1
	Toyota SST # 00002-06001-01
Side Cutters	
Torque Wrench	36 in•lbf (4.07 N•m)
Pliers	

**NOTE:** Part number of this accessory may not be the same as the part number shown.

Pick	
Special Chemicals	Notes
Cleaner	VDC Approved Cleaner
Glass Cleaner	Household Windex

### **General Applicability**

2007 -

Note: Camry without factory anti-theft alarm system only.

### **Recommended Sequence of Application**

Item #	Accessory	
1	V5/V4	
2	Satellite Radio	

\*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description	

### Legend



Issue: D 06/11/07

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:-

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).
- Please see your Toyota dealer for a copy of this document.





Nylon Panel Removal Tool

### 1. Vehicle Disassembly.

2007 -

- (a) For Automatic Vehicles place the Vehicle's shifter in Park and set the Parking brake
- (b) Remove the Negative battery cable. (Fig. 1-1)
  - (1) Protect the Fender before starting.
  - (2) Note the Battery cable position, as it will be reinstalled in the same position.

**CAUTION:** Do not touch the Positive battery terminal.

(c) Remove the Glove box under cover. (Fig. 1-2)

(d) Remove the Passenger's step cover. (Fig. 1-3)









- (e) Remove the Passenger's cowl cover (Fig. 1-4)
  - (1) Remove 1 Nut.

2007 -

(f) Remove 1 Screw and 1 Bolt from the Glove box assembly. (Fig. 1-5)

- (g) Remove the Glove box assembly. (Fig. 1-6)
  - (1) Remove 3 Screws.
  - (2) Disconnect any Connectors.

(h) Remove the Driver's step cover. (Fig. 1-7)









- (i) Remove the Driver's cowl cover. (Fig. 1-8)
  - (1) Remove 1 Nut.

- (j) Remove 1 Bolt and 1 Screw. (Fig. 1-9)
- (k) Loosen the Lower dash cover. (Fig. 1-9)
- (1) Remove the Hood release cable. (Fig. 1-9)
  - (1) Do not bend the Hood release cable.

- (m)Remove the Lower dash cover. (Fig. 1-10)
  - (1) Disconnect any Connectors.

- (n) Carefully remove the Driver's side knee airbag assembly. (Fig. 1-11)
  - (1) Remove 4 bolts.

CAUTION: sharp metal edges.

- (2) Do not disconnect the airbag.
- (3) Wrap the Airbag assembly in a blanket use the V5 Kit Box to support the Airbag Assembly.









### (o) Remove the Left upper trim panel. (Fig. 1-12)

(1) Disconnect any Connectors.

(p) Remove 2 Bolts from the Drivers side junction box. (Fig 1-13).

- (q) Dislodge the Drivers side junction box. (Fig. 1-14)
  - (1) Release the Plastic clip from the Metal tab

### 2. V5 Harness Instillation Preparation

- (a) Locate the YELLOW Wire near the White Tape Marker on the V5 Harness. Cut the YELLOW Wire 20 mm from the branch. (Fig. 2-1)
  - (1) Do not cut other wires.
- (b) Tape the YELLOW Wire to the V5 Harness with Electrical Tape. (Fig. 2-1)





### 3. V5 Harness Installation (passengers side)

- (a) Secure the White Tape Marker on the V5 Harness, to the Vehicle harness, with 1 Wire Tie. (Fig. 3-1)
  - (1) Align the Wire Tie to the right of the Bolt securing the Passenger's side airbag assembly.
- (b) Route and secure the V5 Harness to the Vehicle harness with 2 Wire Ties. (Fig. 3-2)

(c) Route and secure the V5 Harness to the Vehicle harness with 2 Wire Ties. (Fig. 3-3)





(d) Route and secure the V5 Harness' Blue 20PConnector and Ground Wire Terminal to theVehicle harness with 2 Wire Ties. (Fig. 3-4)









2007 -

- (e) Locate and remove the Vehicle's ground bolt from the right side of the Glove box area.(Fig. 3-5)
  - (1) Do not discard the bolt.

- (f) Using the Ground bolt secure the V5 Harness' Ground Wire Terminal, along with the Vehicle harness' ground wire terminals. (Fig. 3-6)
  - (1) Verify the bolt is tightened securely.

(g) Locate and disconnect the Vehicle harness's BLUE 20P connector from the Passenger side cowl area. (Fig. 3-7)

(h) Plug in the V5 Harness' BLUE 20PConnector between the Vehicle harness's 20P connector and the Connector block.(Fig. 3-8)









(i) Secure the 20P Connectors to the Vehicle harness with 1 Wire Ties. (Fig. 3-9)

### 4. GBS ECU Installation Preparation.

(a) Turn the adjustment screw on the GBS ECU to the "10" position. (Fig. 4-1)

(b) Cut 1 Foam Tape in half. Attach both pieces to the ECU bracket as shown. (Fig. 4-2)

(c) Insert the ECU mounting bracket into the indicated bracket slots on the GBS ECU.(Fig. 4-3)

**CAUTION:** The bracket is permanently attached once installed.







# 6. V5 Harness Installation (drivers side)

(a) Route the V5 Harness behind the Center console to the Driver's side. (Fig. 6-1)

- (b) Route the V5 Harness down along the top of the HVAC duct securing it to the Vehicle Harness with 2 Wire Ties. (Fig. 6-2)
- (c) Use 2 Foam Tape to secure the V5 Harness to the HVAC duct. (Fig. 6-2)
- (d) Route the V5 Harness behind the Steering shaft and secure to the vehicle harness with 2 Wire Ties. (Fig. 6-3)





- (e) Verify if there is a Yellow wire in the 10P Connector (located on the backside of the Driver's side junction box in the indicated slot (Fig. 6-4)
  - (1) If a yellow wire is non-existent in the indicated slot, go to step f, page 11.
  - (2) If a yellow wire is existent in the indicated slot, go to step k, page 12.



## FOR VEHICLES WITH NO YELLOW WIRE PRESENT ONLY (steps f-j).

(f) Locate the Junction block on the Driver's side of the Vehicle. (Fig. 6-5)

(g) Release the Lock and remove the White vehicle connector as shown. (Fig. 6-6)

- (h) Splice the YELLOW Wire, supplied in the V5 Kit, to the Vehicle's YELLOW wire as shown. (Fig. 6-7)
- (i) Reconnect the White vehicle connector.

(j) Routing the YELLOW V5 Wire as shown securing to the Vehicle harness with 1 Wire Tie. (Fig. 6-8)







(m)Release the Terminal lock on the 26P Connector. (Fig. 6-11)

- Fig. 6-12 WIRE SIDE VIEW
- (n) Verify if there is a RED wire in the 26P
   Connector (located on the backside of the Driver's side junction box in the indicated slot (Fig. 6-12)
  - (1) If a RED wire is non-existent in the indicated slot, go to step q, page 13.
  - (2) If a RED wire is existent in the indicated slot, go to step o, page13.

(k) Route the V5 harness toward the instrument panel J/B, securing it to the vehicle harness with 5 Wire Ties. (Fig. 6-9)

\*Yellow wire may not be present in all vehicles.

**CAUTION**: ensure the V5 harness is routed and secured so that it does not contact any sharp edges.

 Disconnect the 26P connector from the Drivers side junction box. (Fig. 6-10)





# FOR VEHICLES WITH A RED WIRE PRESENT\_ONLY. (steps o-p)

- (o) Remove the Vehicles RED wire from the 26P connector. (Fig. 6-13)
- (p) Tape the RED wire to the Vehicle harness with Electrical Tape. (Fig. 6-13)
  - (1) Verify that the Terminal is properly insulated to avoid any grounds.
- (q) Insert the Terminal at the end of the TVIP Harness' BLUE Wire into the 26P connector. (Fig. 6-14)
  - (1) Turn the Connector so the Wires face you and the Retainer is on top.
- (r) Insert the Terminal at the end of the TVIP Harness' RED Wire into the 26P connector. (Fig. 6-14)
  - (1) Turn the Connector so the Wires face you and the Retainer is on top.
- (s) Press down on the Terminal lock. (Fig. 6-14)
  - (1) The Terminals should not come out when pulled lightly. If they come out push them in further.
- (t) Reinstall the 26P connector.



# FOR VEHICLES WITH NO YELLOW WIRE PRESENT ONLY (step u-y)

(u) Disconnect the 10P Connector from the backside of the Drivers side junction box.(Fig. 6-15)

### Issue: D 06/11/07





- (w) Insert the TVIP YELLOW Wire into the indicated slot on the 10P connector.(Fig. 6-16)
  - (1) Turn the connector so the wires face you and the retainer is on top.
  - (2) The Terminal should not come out when pulled lightly. If the terminal comes out push it in further.
- (x) Press down on the Terminal lock. (Fig. 6-16)
- (y) Reinstall the 10P connector.



(z) Secure the V5 harness, to the Vehicle wires on the backside of the Junction Box with 2 Wire Ties. (Fig. 6-17)









### 7. Microphone Installation.

- (a) Reassemble the Vehicle, except for the Glove box under cover.
  - (1) Reconnect all connectors.
  - (2) Verify that all the panels fit together with no uneven gaps.
- (b) Using VDC approved cleaner and cleaning method clean the area indicated on the backside of the Glove box under cover. (Fig. 7-1)
- (c) Remove the backing sheet and secure the Microphone to the backside of the Glove box under cover. (Fig. 7-1)
  - (1) Do not touch the adhesive surface of the Microphone.
  - (2) Press the Microphone to the Under cover firmly.
- (d) Secure the Microphone with 1 Foam Tape. (Fig. 7-2)
  - (1) Do not cover the opening of the microphone with the foam tape.
- (e) Plug the V5 Harness' 2P Connector to the Microphone's 2P Connector. (Fig. 7-3)
- (f) Reinstall the glove box under cover. Ensure that the V5 harness does not interfere with moving parts. (Fig. 7-4)

2007 -









### 8. V5 Activation Process.

- (a) Verify that the Short pin is installed.
  - (1) If not install the Short pin
- (b) Temporarily reconnect the Vehicle's negative battery cable. (Fig. 8-1)

**CAUTION:** Do not touch the Positive battery terminal.

- (c) Open the hood. (Fig. 8-2)
- **NOTE:** Check that the software is version 13.3 or later. Download from Toyota Information System (TIS) if necessary.

- (d) Connect the scan tool connector to the vehicle's diagnostic connector in the right side of the lower dash area. (Fig. 8-3)
- (e) Use the key to turn the ignition to the "ON" position.
  - (1) Verify the shift lever position is in "N" or "P".
- (f) Push the scan tool main switch to "ON," then press the "ENTER" button. (Fig. 8-4)









(g) Select "CUSTOMIZE" in the Application Select menu with the scroll key, then press the "ENTER" button. (Fig. 8-5)

(h) Select "NEW VEHICLE" with the scroll key, then press the "ENTER" button. (Fig. 8-6)

(i) Select "2007" with the scroll key, then press the "ENTER" button. (Fig. 8-7)

(j) Select "W/O Slideroof" with the scroll key, then press the "ENTER" button. (Fig. 8-8)









(k) Select "MANUAL A/C" with the scroll key, then press the "ENTER" button. (Fig. 8-9)

 In the "Vehicle Select" menu, select "YES" with the scroll key, then press the "ENTER" button. (Fig. 8-10)

(m)Verify the connection of the DLC3 Cable.Press the "YES" button to continue.(Fig. 8-11)

(n) In the "Customize" menu, select "OPTION SETUP" then press the "ENTER" button (Fig. 8-12)









(o) Select "01:DOP SECURITY," then press the "ENTER" button. (Fig. 8-13)

(p) Select "ON" in the "OPTION SETUP" menu with the scroll key, then press the "ENTER" button. (Fig. 8-14)

(q) Select "[YES] to Change" with the scroll key, then press the "YES" button. (Fig. 8-15)

(r) Select "ENTER" in the "COMPLETE DOP SECURITY" menu. (Fig. 8-16)





### 9. Tags and Label Installation.

For U.S vehicles, discard the Spanish label. For Mexico vehicles, discard the English label.

- (a) Using household Windex, clean the inside surface of the front door windows.(Fig. 9-1)
- (a) Use the TVIP Labels without the Red Tag.
  - (1) Discard the Labels with the Red Tag.
- (b) Place the warning label on the inside surface of the front door's windows as shown.(Fig. 9-1)
  - (1) Use a piece of clean adhesive tape to lift the labels off their protective backing sheet.
  - (2) Do not touch the adhesive surface of the warning labels.
  - (3) Line up the labels properly and place on the glass once; do not use a label that was pulled off of the glass.
  - (4) If the label is being installed with other Window Labels align it horizontally with the other labels and 10mm from the last label.
- (c) Attach the key tag to the remote control key's ring. (Fig. 9-2)



### **10.** Complete the Installations

- (a) Position the Vehicle's negative battery cable at the original factory position. (Fig. 10-1)
  - (1) Tighten the Nut to 36 in•lbf (4.07 N•m)

**CAUTION:** Do not touch the Positive battery terminal.

- (b) Reset the Power windows.
  - (1) Turn the ignition key to "ON."
  - (2) Roll down the windows.
  - (3) Pull up on the window switches to close them.
  - (4) Hold for 2 additional seconds.
- (c) Reset the Power moon roof.
  - (1) Press and hold the Moon roof button until the moon roof is closed.
  - (2) Hold for 2 additional seconds.
- (d) Place the Owner's Guide and Warranty Card, sealed in their protective bags, in the glove box.
- (e) Clean up any trash.

Issue: D 06/11/07

2007 -

TVIP V5 RS3200 PLUS

Checklist - these points **MUST** be checked to ensure a quality installation.

Check:

### Accessory Function Checks

Press and release the remote control's lock button to start the system's arming process.

Wait 30 seconds.

Press and release the remote key's unlock button to disarm the system.

# For vehicles equipped with the Remote Engine Starter (V4) (Steps 4 and 5)

To Verify if the Vehicle has RES (V4):

Check the window sticker, transmitter sticker, and key tag. If the vehicle has these components, it has RES. However, even if the vehicle lacks these items, try the following step once: close the hood and all doors, and move the shifter into "P". Then:

Press the Remote Control's lock button
three times within 2 seconds, holding it
down on the third click for 3 seconds.
If the engine is activated, the vehicle has
RES installed.

### (If RES is equipped:)

Pull the hood release lever.

Look For:

- The turn signal lights flash once. All doors lock. The security LED lights up.
- 2. After 30 seconds, the LED starts flashing; the system is now armed.
- The turn signal lights flash twice. The driver's door unlocks. The LED stops flashing.

### 4. (If RES is equipped:)

The hazards start flashing after 3 seconds. The engine to start. The hazards stop flashing after 20 seconds.

The engine to stop.
 Hazard lights to flash once.

2007 -

TVIP V5 RS3200 PLUS

Checkli	st - these points MUST be checked to ensure a quality in	nstallation	RS3200 PLUS
	Check:		Look For:
	Arm and disarm the system with the remote or again, then wait 30 seconds.	6.	The doors automatically relock. The system automatically starts the arming process. After 30 seconds, the LED starts flashing; the system is now armed.
	Reach inside and manually unlock the driver's door to trigger an alarm.	7.	The driver's door automatically relocks. The horn sounds repeatedly. The headlights flash repeatedly. The turn signal lights flash repeatedly. The LED lights up.
	Manually unlock the driver's door again and hold it unlocked, open the door, then sit in the driver's seat.	8.	The driver's door lock attempts to lock repeatedly. The horn continues to sound repeatedly. The headlights and turn signal lights continue flashing. The LED remains on.
	Insert the remote into the key slot and press the power button twice to stop the alarm. <b>Press the power button once to remove</b> <b>the remote and then exit the vehicle.</b>	9.	The horn stops sounding. All the lights stop flashing and/ or turn off. The LED turns off.
	With the door open, press the lock switch on the door to lock the door, and then close the door to start the system's arming process.	10.	All doors lock. The LED lights up.
	Wait 30 seconds.	11.	After 30 seconds, the LED starts flashing; the system is now armed.

TOY Checkl	<b>TOTA CAMRY</b> ist - these points <b>MUST</b> be checked to ensure a quality i	<b>2007</b> – nstallation.	TVIP V5 RS3200 PLUS
	Check:	Look For:	
	Reach inside and manually unlock the front passenger's door to trigger an alarm.	<ul><li>12. The front passenger relocks.</li><li>The horn sounds rep The headlights flash The turn signal ligh The LED lights up.</li></ul>	's door automatically peatedly. n repeatedly. ts flash repeatedly.
	Press and release the remote control's unlock button to stop the alarm.	<ol> <li>The horn stops sour</li> <li>All the lights stop fl</li> <li>The LED turns off.</li> </ol>	nding. lashing.
	Press and release the remote control's lock button to start the system's arming process, then wait 30 seconds until the system is armed.	14. Refer to step #1 and	1#2.
	Unlock and open one of the rear passenger doors to trigger an alarm.	<ul><li>15. The rear passenger' relocks.</li><li>The horn sounds rep</li><li>The headlights flash</li><li>The turn signal ligh</li><li>The LED lights up.</li></ul>	s door automatically peatedly. n repeatedly. ts flash repeatedly.
	Repeat the above steps with the other rear passenger door and back door (if equipped). Roll up all windows, with remote and	16. Refer to step #14 ar	nd #15.
	exit the vehicle.		
	Press and release the remote control's lock button to start the arming process.	17. Refer to step #1.	
	Wait 30 seconds. Perform the following check in a temperature-controlled environment (50°-90° F)	18. After 30 seconds, the system is now a	ne LED starts flashing; rmed.

TOY Checkli	OTA CAMRY st - these points MUST be checked to ensure a quality i	2 nstallation	. <b>007 -</b> 1.	TVIP V5 RS3200 PLUS
	Check:		Look For:	
₽□</td <td>With the tip of a key (or striker tool pulled all the way out [PPO only]), tap the center of the driver's door window to trigger the "warn away" alarm.</td> <td>19.</td> <td>The horn sounds repeated The headlights flash repeated The turn signal lights flash The LED lights up.</td> <td>ly. atedly. h repeatedly.</td>	With the tip of a key (or striker tool pulled all the way out [PPO only]), tap the center of the driver's door window to trigger the "warn away" alarm.	19.	The horn sounds repeated The headlights flash repeated The turn signal lights flash The LED lights up.	ly. atedly. h repeatedly.
			<b>NOTE</b> : Adjust as necessar the GBS setting to the new alarm does not trigger dur verifications.	try by increasing at level if the ring the functional
			<b>NOTE</b> : If you do not disat the alarm will last 20 seconecessary to check the alar	trm the system, onds. <i>It is not</i> <i>arm duration</i> .
	For all vehicles, press the unlock button of the remote key to stop the alarm.	20.	The horn stops sounding. All the lights stop flashing The security LED turns of	g and / or turn off. ff.
Vehic	le Function Checks			
	Head Lights		Functioning Head Lights	
	High Beams		Functioning High Beams	
	Turn Signal Lights		Functioning Turn Signal I	Lights
	Tail Lights		Functioning Tail Lights	
	Stop Lights		Functioning Stop Lights	
	Backup Lights		Functioning Backup Ligh	ts
	Hazard Lights		Functioning Hazard Light	S
	Marker Lights		Functioning Marker Light	ts
	Dome/Courtesy Lights		Functioning Dome/Courte	esy Lights
	Panel/Switch Illumination		Functioning Panel/Switch	Illumination

2007 -

TVIP V5 RS3200 PLUS

Checklist - these points MUST be checked to ensure a quality installation.

	Check:	Look For:
$\bigcup$	Accessory Controls/Illumination (if equipped)	Functioning Accessory
	Key Sensor Buzzer	Functioning Key Sensor
	Fog Lights (if equipped)	Functioning Fog Lights
	Daytime Running Lights (if equipped)	Functioning DR Lights
	Trunk/Tailgate/Bed Lights (if equipped)	Functioning Lights
	Glove Box Light (if equipped)	Functioning Glove Box Light
	Cruise Control Light (if equipped)	Functioning Cruise Control Light
	Seat Belt Warning Light	Functioning Seatbelt Warning Light. If the warning light remains on, it may indicate a system malfunction.
	Air Bag Warning Light	Functioning Air Bag Warning Light. If the warning light remains on, it may indicate a system malfunction.
	ABS Light (if equipped)	Functioning ABS Light. If the warning light remains on, it may indicate a system malfunction.
	Lamp Failure Sensor (if equipped)	Functioning Lamp Failure Light. If the warning light remains on, it may indicate a system malfunction.
	Track/Skid Control Light (if equipped)	Functional Track/VSC Light. If the warning light remains on, it may indicate a system malfunction.
	HVAC Controls	Functioning HVAC Controls
	Power Locks (if equipped)	Functioning Power Locks
	Power Windows (if equipped)	Functioning Power Windows
	Power Seats (if equipped)	Functioning Power Seats

2007 -

Checklist - these points MUST be checked to ensure a quality installation.

Check:	Look For:
Power Sunroof (if equipped)	Functioning Sunroof
Horn	Functioning Horn
Gauges	Functioning Gauges
Front Wiper/Washer	Functioning Front Wiper/Washer
Rear Wiper/Washer (if equipped)	Functioning Rear Wiper/Washer
Clock (if equipped)	Functioning Clock
Accessory Power Socket (if equipped)	Functioning Power Socket
Starter	Functioning Starter
Audio/Video (if equipped)	Functioning Audio/Video
Power Sliding Door (if equipped)	Functioning Power Sliding Door
Convenience Memory Settings (if equipped)	Functioning Memory Settings
Heated Seats (if equipped)	Functioning Heated Seats
Massage Seats (if equipped)	Functioning Massage Seats
Rear Window Defogger (if equipped)	Functioning Rear Window Defogger
Power Side Mirrors (if equipped)	Functioning Power Side Mirrors
Side Mirror Defogger (if equipped)	Functioning Side Mirror Defogger
Front Windshield Defogger (if equipped)	Functioning Front Windshield Defogger
Navigation System (if equipped)	Functioning Navigation System
Rear Sunshade (if equipped)	Functioning Rear Sunshade
Remove the appropriate fuse after	
checks are completed.	