



Technical Service BULLETIN

November 9, 2007

Title:

WIRELESS TRANSMITTER & PROGRAMMING GUIDE

Models:

'90 – '08 Applicable Toyota

ELECTRICAL
REVISÉD
EL010-07

TSB REVISION NOTICE:

- November 10, 2007: A TSB reference has been updated in the Programming column of the Application Chart.

Previous versions of this TSB should be discarded.

TSB UPDATE NOTICE:

The information contained in this TSB supersedes TSB No. EL008-02.
TSB No. EL008-02 is now obsolete and should be discarded.

Introduction Difficulties during Remote Keyless Entry (RKE) Transmitter Programming can arise due to confusion between Toyota Factory Wireless systems and Toyota Port/Dealer installed systems. This bulletin will assist in identifying the system/correct remote transmitters for each vehicle, and provide the location of the most accurate programming procedure for each system.

Applicable Vehicles

- **1990 – 2008** model year **applicable Toyota** vehicles.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—

System Identification The following Application Chart contains all of the necessary information to correctly identify the type of system installed, and where to go to get programming procedures for each vehicle.

NOTE:

Should a vehicle having both VIP and Factory systems available (as identified in the Application Chart) be brought in without any remotes (or one non-working remote), use the following tips to help determine which type of wireless system (O.E. or PIO/DIO) the vehicle has.

- Look at the Trim Level of the vehicle. Higher-grade vehicles will tend to have O.E. systems, while entry-grade vehicles will tend to have VIP. For example, the 2001 Camry XLE has Factory WRKE, but the LE and CE grades have VIP.
- Look for a "Status Monitor" with a glass breakage sensor and an LED externally installed into the dashboard or on the center console. Most VIP systems will have this.
- Locate the ECU (refer to the applicable vehicle VIP Manual installation instructions for location). Once located, refer to the part label.
- Attempt to perform the factory wireless programming procedure to get a response from the vehicle. Select the "confirmation mode" and see if any "Lock/Unlock" response is received, if so, the vehicle has a factory system.



Application
Chart

APPLICATION		DEALER/PORT INSTALLED		FACTORY INSTALLED			
VEHICLE	YEAR	SYSTEM/REMOTE	PROGRAMMING	FACTORY REMOTE	PROGRAMMING		
4Runner	1990 – 1994	TVSS / Fig. 1 * ¹	TVSS Owner's Guide	N/A	N/A		
	1995	TVSS / Fig. 2 * ¹					
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99				
	1998	RS3000 / Fig. 4					
	1999						
	2000 – 2002	RS3200 / Fig. 5	2000 VIP Manual * ⁶	Fig. 10 * ⁵	RM 02 V2, BE–98		
	2003 – 2008	N/A	N/A		RM 03, 73–16		
Avalon	1995	TVSS / Fig. 2 * ¹	TVSS Owner's Guide	Fig. 8	TSB – EL003–99		
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99				
	1998 – 1999	RS3000 / Fig. 4		Fig. 9 * ²	RM 02 V2, BE–99		
	2000 – 2002	RS3200 / Fig. 5	2000 VIP Manual * ⁶				
	2003 – 2004	N/A	N/A	Fig. 9 * ²	TSB – EL009–07		
	2005 – 2008	N/A	N/A	Fig. 14	TIS Techstream or TSB – EL009–07		
Camry	1990 – 1994	TVSS / Fig. 1 * ¹	TVSS Owner's Guide	N/A	N/A		
	1995	TVSS / Fig. 2 * ¹					
	1996	RS3000 / Fig. 3	TSB – AX005–99				
	1997						
	1998 – 1999	RS3000 / Fig. 4		Fig. 7	TSB – EL008–98		
	2000 – 2001	RS3200 / Fig. 5 or 6 * ⁷	2000 VIP Manual * ⁶			Fig. 11	RM 01 V2, BE–86
	2002 – 2006	RS3200 / Fig. 5 or 6 * ⁷	2000 VIP Manual * ⁶			Fig. 9 * ²	TSB – EL009–07
	2007 – 2008	N/A	N/A	Fig. 15	TIS Techstream		
Celica	1990 – 1994	TVSS / Fig. 1 * ¹	TVSS Owner's Guide	N/A	N/A		
	1995	TVSS / Fig. 2 * ¹					
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99				
	1998 – 1999	RS3000 / Fig. 4					
	2000 – 2005	RS3200 / Fig. 5	2000 VIP Manual * ⁶	Fig. 11	TSB – EL009–07		
Corolla	1990 – 1994	TVSS / Fig. 1 * ¹	TVSS Owner's Guide	N/A	N/A		
	1995	TVSS / Fig. 2 * ¹					
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99				
	1998 – 2002	RS3000 / Fig. 4					
	2003 – 2008	RS3200 / Fig. 5	2000 VIP Manual * ⁶	Fig. 11	TSB – EL009–07		
Cressida	1991 – 1992	TDSE / Fig. 1 * ¹	TVSS Owner's Guide	N/A	N/A		

**Application
Chart**
(Continued)

APPLICATION		DEALER/PORT INSTALLED		FACTORY INSTALLED	
VEHICLE	YEAR	SYSTEM/REMOTE	PROGRAMMING	FACTORY REMOTE	PROGRAMMING
ECHO	2000 – 2005	RS3200 / Fig. 5	2000 VIP Manual *6	Fig. 11	TSB – EL009–07
FJ Cruiser	2007 – 2008	N/A	N/A	Fig. 11	TIS Techstream or TSB- EL009-07
Highlander	2001 – 2007	N/A	N/A	Fig. 11	TSB – EL009–07
	2008	N/A	N/A	Fig. 16/ Fig. 17	TIS Techstream or TSB- EL009-07
Land Cruiser	1991 – 1994	TVSS / Fig. 1 *1	TVSS Owner's Guide	N/A	N/A
	1995	TVSS / Fig. 2 *1			
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99		
	1998 – 2002	N/A	N/A	Fig. 13	RM 02 V1, DI–624
	2003 – 2007				RM 03 V2, BE–93
Matrix	2003 – 2008	N/A	N/A	Fig. 22	TSB – EL009–07
MR2	1991 – 1994	TDSE / Fig. 1 *1	TVSS Owner's Guide	N/A	N/A
	1995	TVSS / Fig. 2 *1			
	2001 – 2003	RS3200 *3 / Fig.5	2003 VIP Manual		
Paseo	1992 – 1994	TVSS / Fig. 1 *1	TVSS Owner's Guide	N/A	N/A
	1995	TVSS / Fig. 2 *1			
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99		
	1998	RS3000 / Fig. 4			
Previa	1991 – 1994	TDSE / Fig. 1 *1	TVSS Owner's Guide	N/A	N/A
	1995	TVSS / Fig. 2 *1			
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99		
Prius	2001 – 2003	N/A	N/A	Fig. 11	TSB – EL009–07
RAV4	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99	N/A	N/A
	1998 – 2000	RS3000 / Fig. 4			
	2001 – 2005	RS3200 / Fig. 5	2000 VIP Manual *6	Fig. 11	TSB- EL009-07
	2006 – 2007 (Production through 12/06)	N/A	N/A	Fig. 18	TIS Techstream or TSB- EL009-07
	2007 (1/07 Production and Later)	N/A	N/A	Fig. 15	
	2008	N/A	N/A	Fig. 15	
Sequoia	2001 – 2003	N/A	N/A	Fig. 10 *5	RM 03 V2, BE-105
	2004 – 2006	N/A	N/A	Fig. 10 *5	RM 03 V2, BE-105
	2007	N/A	N/A	Fig. 10 *5	TIS Techstream or TSB- EL009-07

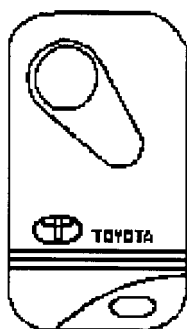
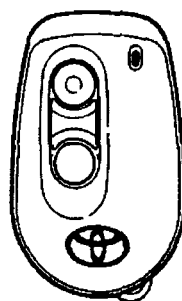
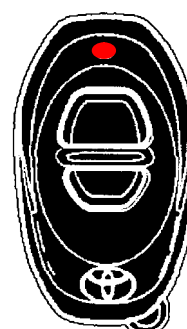
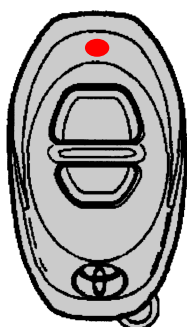
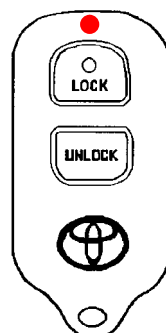
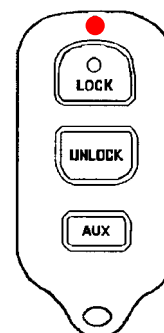
**Application
Chart**
(Continued)

APPLICATION		DEALER/PORT INSTALLED		FACTORY INSTALLED	
VEHICLE	YEAR	SYSTEM/REMOTE	PROGRAMMING	FACTORY REMOTE	PROGRAMMING
Sienna	1998	RS3000 / Fig. 4	TSB – AX005–99	Fig. 7	TSB – EL009–98
	1999			Fig. 11/ Fig. 12	
	2000	RS3000 / Fig.4 *4	RM 02 V2, BE–87		
	2001 – 2002	RS3200 / Fig. 5			2000 VIP Manual *6
	2003	N/A	N/A		
	2004 – 2008	N/A	N/A	Fig. 19	TIS Techstream or TSB- EL009-07
Solara	1999 – 2001	RS3000 / Fig. 4	TSB – AX005–99	Fig. 11	RM 02 V2, BE–87
	2002 – 2003	N/A	N/A	Fig. 9 *2	
	2004 – 2008	N/A	N/A	Fig. 20	TSB- EL009-07
Supra	1991 – 1992	TDSE / Fig. 1 *1	TVSS Owner's Guide	N/A	N/A
	1995	TDSE / Fig. 2 *1			
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99		
	1998	RS3000 / Fig. 4			
T100	1993 – 1994	TVSS / Fig. 1 *1	TVSS Owner's Guide	N/A	N/A
	1995	TVSS / Fig. 2 *1			
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99		
	1998	RS3000 / Fig. 4			
Tacoma	1995	TVSS / Fig. 2 *1	TSB – AX005–99	N/A	N/A
	1996 – 1997	RS3000 / Fig. 3			
	1998 – 2001	RS3000 / Fig. 4			
	2002	RS3200 / Fig. 5	2000 VIP Manual *6		
	2003	RS3200*3 / Fig. 5	2003 VIP Manual *6		
	2004	N/A	N/A	Fig. 5	RM BE-61
	2005 – 2008	N/A	N/A	Fig. 21	TSB- EL009-07
Tercel	1991 – 1994	TVSS / Fig. 1 *1	TVSS Owner's Guide	N/A	N/A
	1995	TVSS / Fig. 2 *1			
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99		
	1998	RS3000 / Fig. 4			
Truck	1990 – 1994	TVSS / Fig. 1 *1	TVSS Owner's Guide	N/A	N/A
	1995	TVSS / Fig. 2 *1			

**Application
Chart**
(Continued)

APPLICATION		DEALER/PORT INSTALLED		FACTORY INSTALLED	
VEHICLE	YEAR	SYSTEM/REMOTE	PROGRAMMING	FACTORY REMOTE	PROGRAMMING
Tundra	2000 – 2001	RS3000/Fig. 4	TSB – AX005–99	N/A	N/A
	2002 – 2006	RS3200* ³ /Fig. 5	2003 VIP Manual		
	2003 – 2006 Except D-Cab	RS3200* ³ /Fig. 5	TVIP Programming Manual	Fig. 5	TSB- EL009-07
	2004 – 2006 D-Cab	N/A	N/A	Fig.11	RM BE-157
	2007	N/A	N/A	Fig. 21	TIS Techstream or TSB- EL009-07
Yaris	2007 – 2008	RS3200* ³ /Fig. 5	TVIP Programming Manual	Fig. 18	TSB- EL009-07

- *1 Original style TVSS/TDSE system remotes are no longer available as replacement parts. Black RS3000 remotes (Figure 3) can be used with these systems.
- *2 While the outward appearances are the same, there are 3 different remotes of this style (not interchangeable). Check the FCC ID Number on the back of the remote to verify correct application:
- Avalon 1998 – 1999 FCC ID: HYQ1512Y / 2000 – 2003 FCC ID: HYQ12BAN
 - Camry/Solara 2002 – 2003 FCC ID: GQ43VT14T
- *3 This is a variant of the RS3200 TDS system, which does not include the security functions. The VIP manual outlines programming procedures used on these vehicles.
- *4 RS3200 was launched prior to the 2001 MY Change Over. Please refer to the 2000 VIP Manual if necessary.
- *5 While the outward appearances are the same, there are 2 different remotes of this style (not interchangeable). Check the FCC ID Number on the back of the remote to verify correct application:
- 1999 – 2002 4Runner – FCC ID: HYQ1512Y
 - Sequoia / 2003 4Runner – FCC ID: HYQ12BAN
 - 2004 – 2007 4Runner/Sequoia – FCC ID: HYQ12BBX
- *6 RS3200 programming procedures were sent as a supplement to the 2000 VIP Manual. This information can now be found on the TIS system.
- *7 The RS3200 system was only available on early production vehicles in the 2003 model year.

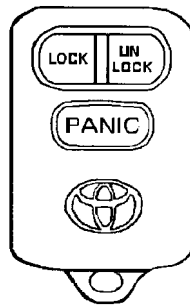
**Wireless
Transmitter
Identification****DEALER or PORT INSTALLED SYSTEMS****Figure 1.****TVSS/TDSE
1990 – 1994****Figure 2.****TVSS/TDSE
1995****Figure 3.****RS3000 (BLACK)
1996 – 1997****Figure 4.****RS3000 (GRAY)
1998 – 2002****Figure 5.****RS3200*
2000 – 2003****Figure 6.****RS3200*
2000 – 2002**

* Panic Button on Back Side

**Wireless
Transmitter
Identification**
(Continued)

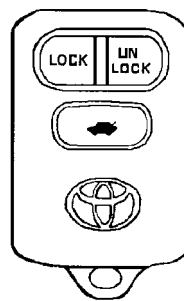
FACTORY INSTALLED or “ORIGINAL EQUIPMENT” SYSTEMS

Figure 7.



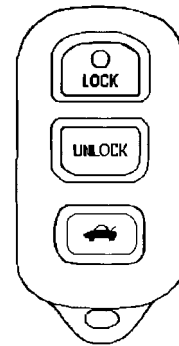
**O.E. 3 Button
1997 – 1999**

Figure 8.



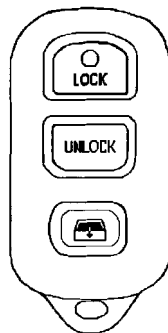
**O.E. 3 Button
1995 – 1997**

Figure 9.



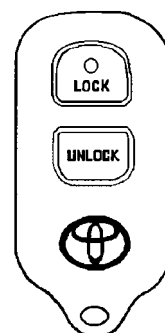
**O.E. 4 Button*
1998 – 2003**

Figure 10.



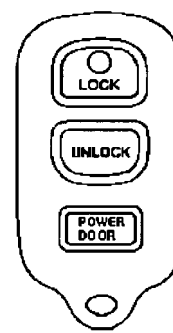
**O.E. 4 Button*
1999 – 2008**

Figure 11.



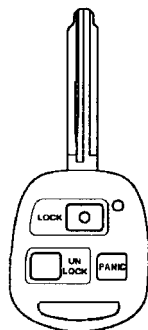
**O.E. 3 Button*
1999 – 2008**

Figure 12.



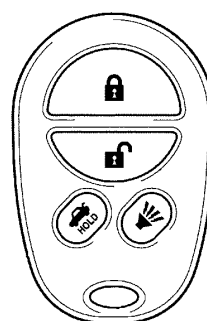
**O.E. 4 Button*
1999 – 2003**

Figure 13.



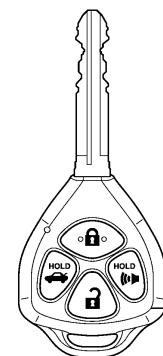
**O.E. In-Key
1998 – 2003**

Figure 14.



**O.E. 4 Button
2005 – 2008**

Figure 15.



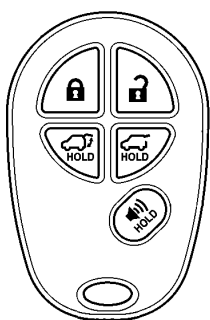
**O.E. 4 Button
2007 – 2008**

* Panic Button on Back Side

**Wireless
Transmitter
Identification
(Continued)**

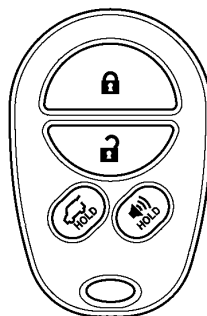
FACTORY INSTALLED or “ORIGINAL EQUIPMENT” SYSTEMS

Figure 16.



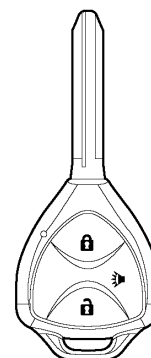
**O.E. 5 Button
2008 (w/power back door)**

Figure 17.



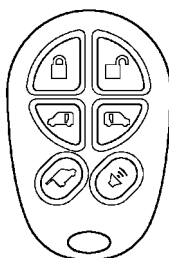
**O.E. 4 Button
2008
(w/o power back door)**

Figure 18.



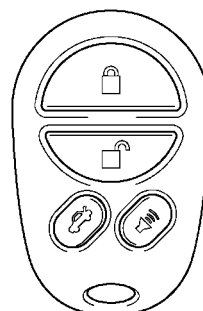
**O.E. In-key
2006 – 2008**

Figure 19.



**O.E. 6 Button
2004 – 2008**

Figure 20.



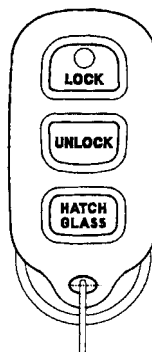
**O.E. 4 Button
2004 – 2008**

Figure 21.



**O.E. 4 Button
2004 – 2008**

Figure 22.



**O.E. 4 Button*
2003 – 2008**

*** Panic Button on Back Side**