



**Technical Service  
BULLETIN**

November 9, 2007

Title:

**WIRELESS TRANSMITTER &  
PROGRAMMING GUIDE**

Models:

'90 – '08 Applicable Toyota

**ELECTRICAL**  
**EL010-07**  
**REVISED**

**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 <sup>11</sup>	TVSS Owner's Guide	N/A	N/A
	1995	TVSS / Fig. 2 <sup>11</sup>			
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99		
	1998	RS3000 / Fig. 4			
	1999				
	2000 – 2002	RS3200 / Fig. 5	2000 VIP Manual <sup>16</sup>	Fig. 10 <sup>15</sup>	RM 02 V2, BE–98
	2003 – 2008	N/A	N/A		RM 03, 73–16
Avalon	1995	TVSS / Fig. 2 <sup>11</sup>	TVSS Owner's Guide	Fig. 8	TSB – EL003–99
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99		
	1998 – 1999	RS3000 / Fig. 4			
	2000 – 2002	RS3200 / Fig. 5	2000 VIP Manual <sup>16</sup>	Fig. 9 <sup>12</sup>	RM 02 V2, BE–99
	2003 – 2004	N/A	N/A	Fig. 9 <sup>12</sup>	TSB – EL009–07
	2005 – 2008	N/A	N/A	Fig. 14	TIS Techstream or TSB – EL009–07
Camry	1990 – 1994	TVSS / Fig. 1 <sup>11</sup>	TVSS Owner's Guide	N/A	N/A
	1995	TVSS / Fig. 2 <sup>11</sup>			
	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 <sup>17</sup>	2000 VIP Manual <sup>16</sup>	Fig. 11	RM 01 V2, BE–86
	2002 – 2006	RS3200 / Fig. 5 or 6 <sup>17</sup>	2000 VIP Manual <sup>16</sup>	Fig. 9 <sup>12</sup>	TSB – EL009–07
	2007 – 2008	N/A	N/A	Fig. 15	TIS Techstream
Celica	1990 – 1994	TVSS / Fig. 1 <sup>11</sup>	TVSS Owner's Guide	N/A	N/A
	1995	TVSS / Fig. 2 <sup>11</sup>			
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99		
	1998 – 1999	RS3000 / Fig. 4			
	2000 – 2005	RS3200 / Fig. 5	2000 VIP Manual <sup>16</sup>	Fig. 11	TSB – EL009–07
Corolla	1990 – 1994	TVSS / Fig. 1 <sup>11</sup>	TVSS Owner's Guide	N/A	N/A
	1995	TVSS / Fig. 2 <sup>11</sup>			
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99		
	1998 – 2002	RS3000 / Fig. 4			
	2003 – 2008	RS3200 / Fig. 5	2000 VIP Manual <sup>16</sup>	Fig. 11	TSB – EL009–07
Cressida	1991 – 1992	TDSE / Fig. 1 <sup>11</sup>	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 <sup>5</sup>	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 <sup>11</sup>	TVSS Owner's Guide	N/A	N/A
	1995	TVSS / Fig. 2 <sup>11</sup>			
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005-99	Fig. 13	RM 02 V1, DI-624
	1998 – 2002	N/A	N/A		RM 03 V2, BE-93
	2003 – 2007				
Matrix	2003 – 2008	N/A	N/A	Fig. 22	TSB – EL009-07
MR2	1991 – 1994	TDSE / Fig. 1 <sup>11</sup>	TVSS Owner's Guide	N/A	N/A
	1995	TVSS / Fig. 2 <sup>11</sup>			
	2001 – 2003	RS3200 <sup>13</sup> / Fig.5	2003 VIP Manual		
Paseo	1992 – 1994	TVSS / Fig. 1 <sup>11</sup>	TVSS Owner's Guide	N/A	N/A
	1995	TVSS / Fig. 2 <sup>11</sup>			
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005-99		
	1998	RS3000 / Fig. 4			
Previa	1991 – 1994	TDSE / Fig. 1 <sup>11</sup>	TVSS Owner's Guide	N/A	N/A
	1995	TVSS / Fig. 2 <sup>11</sup>			
	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 <sup>16</sup>	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 <sup>15</sup>	RM 03 V2, BE-105
	2004 – 2006	N/A	N/A	Fig. 10 <sup>15</sup>	RM 03 V2, BE-105
	2007	N/A	N/A	Fig. 10 <sup>15</sup>	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						
	2000	RS3000 / Fig. 4 <sup>14</sup>	2000 VIP Manual <sup>15</sup>	Fig. 11/ Fig. 12	RM 02 V2, BE–87		
	2001 – 2002	RS3200 / Fig. 5	N/A		RM 03 V2, BE–91		
	2003	N/A	N/A	Fig. 19	TIS Techstream or TSB- EL009-07		
2004 – 2008	N/A	N/A					
Solara	1999 – 2001	RS3000 / Fig. 4	TSB – AX005–99	Fig. 11	RM 02 V2, BE–87		
	2002 – 2003	N/A	N/A	Fig. 9 <sup>12</sup>			
	2004 – 2008	N/A	N/A	Fig. 20	TSB- EL009-07		
Supra	1991 – 1992	TDSE / Fig. 1 <sup>11</sup>	TVSS Owner's Guide	N/A	N/A		
	1995	TDSE / Fig. 2 <sup>11</sup>					
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99				
	1998	RS3000 / Fig. 4					
T100	1993 – 1994	TVSS / Fig. 1 <sup>11</sup>	TVSS Owner's Guide	N/A	N/A		
	1995	TVSS / Fig. 2 <sup>11</sup>					
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99				
	1998	RS3000 / Fig. 4					
Tacoma	1995	TVSS / Fig. 2 <sup>11</sup>	TSB – AX005–99	N/A	N/A		
	1996 – 1997	RS3000 / Fig. 3					
	1998 – 2001	RS3000 / Fig. 4					
	2002	RS3200 / Fig. 5	2000 VIP Manual <sup>15</sup>				
	2003	RS3200 <sup>13</sup> / Fig. 5	2003 VIP Manual <sup>15</sup>				
	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 <sup>11</sup>	TVSS Owner's Guide	N/A	N/A		
	1995	TVSS / Fig. 2 <sup>11</sup>					
	1996 – 1997	RS3000 / Fig. 3	TSB – AX005–99				
	1998	RS3000 / Fig. 4					
Truck	1990 – 1994	TVSS / Fig. 1 <sup>11</sup>	TVSS Owner's Guide	N/A	N/A		
	1995	TVSS / Fig. 2 <sup>11</sup>					

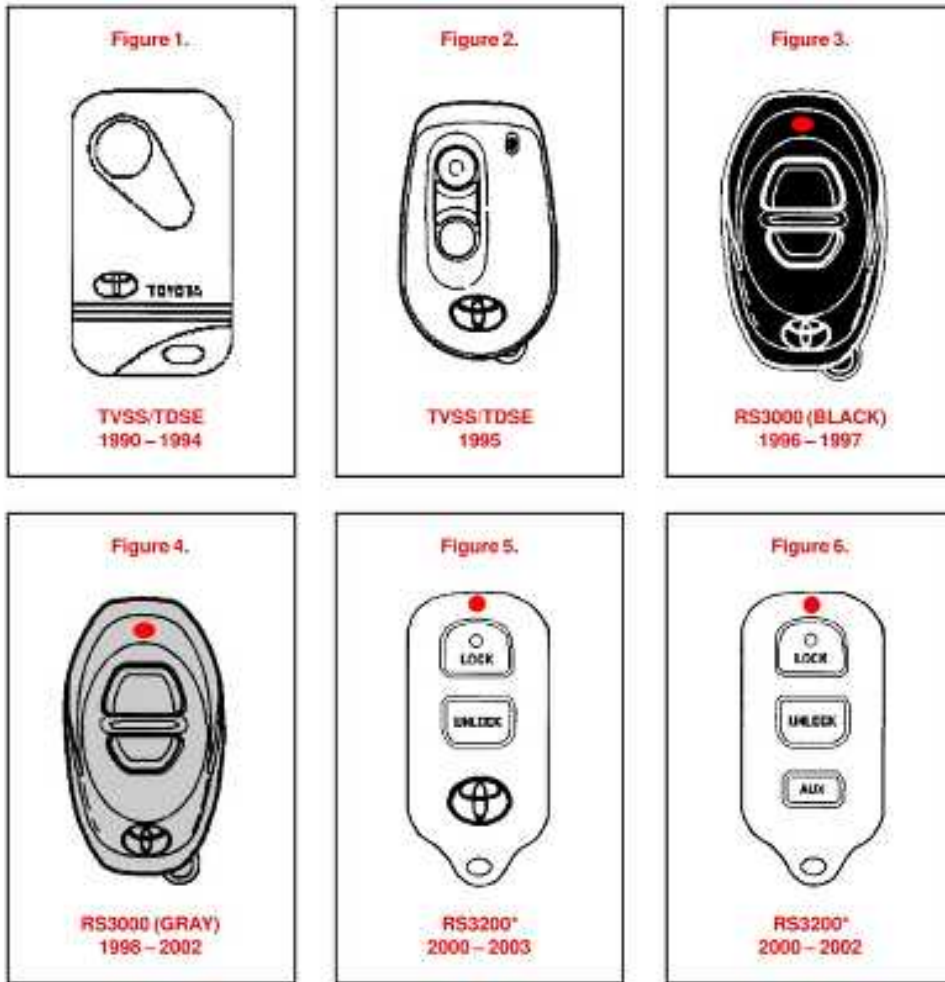
**Application  
Chart**  
(Continued)

APPLICATION		DEALER/PORT INSTALLED		FACTORY INSTALLED	
VEHICLE	YEAR	SYSTEM/REMOTE	PROGRAMMING	FACTORY REMOTE	PROGRAMMING
<b>Tundra</b>	2000 – 2001	RS3000 <sup>1</sup> /Fig. 4	TSB – AX005-99	N/A	N/A
	2002 – 2006	RS3200 <sup>3</sup> /Fig. 5	2003 VIP Manual		
	2003 – 2006 Except D-Cab	RS3200 <sup>3</sup> /Fig. 5	TVIP Programming Manual	Fig. 5	TSB- EL009-07
	2004 – 2006 D-Cab	N/A	N/A	Fig.11	RM 8E-157
	2007	N/A	N/A	Fig. 21	TIS Techstream or TSB- EL009-07
<b>Yaris</b>	2007 – 2008	RS3200 <sup>3</sup> /Fig. 5	TVIP Programming Manual	Fig. 18	TSB- EL009-07

- <sup>1</sup> Original style TVSS/TDSE system remotes are no longer available as replacement parts. Black RS3000 remotes (Figure 3) can be used with these systems.
- <sup>2</sup> 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
- <sup>3</sup> 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.
- <sup>4</sup> RS3200 was launched prior to the 2001 MY Change Over. Please refer to the 2000 VIP Manual if necessary.
- <sup>5</sup> 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
- <sup>6</sup> RS3200 programming procedures were sent as a supplement to the 2000 VIP Manual. This information can now be found on the TIS system.
- <sup>7</sup> The RS3200 system was only available on early production vehicles in the 2003 model year.

Wireless Transmitter Identification

DEALER or PORT INSTALLED SYSTEMS

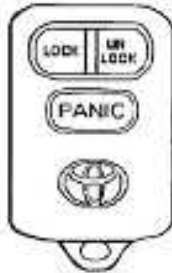


\* Panic Button on Back Side

Wireless Transmitter Identification  
(Continued)

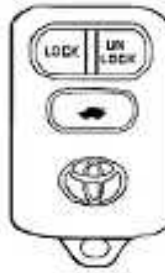
FACTORY INSTALLED or "ORIGINAL EQUIPMENT" SYSTEMS

Figure 7.



O.E. 3 Button  
1997 – 1999

Figure 8.



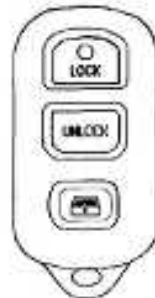
O.E. 3 Button  
1995 – 1997

Figure 9.



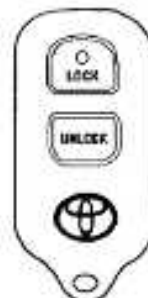
O.E. 4 Button\*  
1998 – 2003

Figure 10.



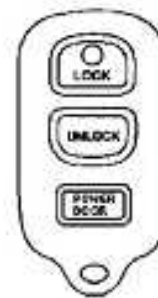
O.E. 4 Button\*  
1999 – 2008

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.

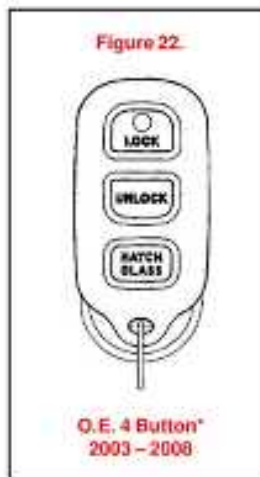
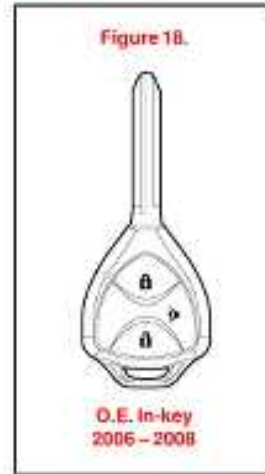


O.E. 4 Button  
2007 – 2008

\* Panic Button on Back Side

Wireless Transmitter Identification (Continued)

FACTORY INSTALLED or "ORIGINAL EQUIPMENT" SYSTEMS



\* Panic Button on Back Side