



**Technical Service
BULLETIN**

April 23, 1999

Title:

**RS3000 TVIP PROGRAMMING CHANGES
FOR GBS**

Models:

All Models



**AX006-99
ACCESSORIES**

Introduction Starting with 1999 MY, the programming in the RS3000 ECU for the Glass Breakage Sensor (GBS) to trigger the alarm has been changed to improve the Toyota Vehicle Intrusion Protection (TVIP) system's theft warning feature when glass breakage or impact to the glass is detected.

Previous operation of GBS (for 1998 MY and prior):

- Upon (first) detection of breakage of the vehicle's glass, the GBS will sound the security system for 5 seconds (3 horn honks).
- If there is a second detection of glass breakage, within 5 seconds of the first detection, the security system will sound for the full duration of 59 seconds.

Improved operation of GBS (from 1999 MY):

- Upon (first) detection of breakage of the vehicle's glass, the GBS will sound the security system for 20 seconds.
- If there is a second detection of glass breakage, the security system will sound for the full duration of 59 seconds, regardless of time between the first and second detections.
- After the first detection, any subsequent detection will trigger the alarm for the full duration of 59 seconds as long as the security system is armed. The GBS trigger cycle will reset once the security system is disarmed and then rearmed.

This improvement is intended to enhance the previous trigger cycle of the security system and ward off an intruder.

The color of the previous (1998 MY and prior) RS3000 ECU was black. The new RS3000 ECU color is gray.

**Affected
Vehicles**

- **All Models**

**Parts
Information**

| PREVIOUS PART NUMBER | CURRENT PART NUMBER | PART NAME |
|----------------------|---------------------|-----------------|
| 08585-00921 | SAME | RS3000 Base Kit |

**Warranty
Information**

| OP CODE | DESCRIPTION | TIME | OPN | T1 | T2 |
|---------|----------------------------|------|-----|----|----|
| N/A | Not applicable to warranty | - | - | - | - |



**Repair
Procedure**

When performing the RS3000 System Test, check the Glass Breakage Sensor sensitivity as follows:

1. Press and release the Remote Control's top button to arm the system.
2. Wait two seconds.
3. With the tip of the ignition key (or striker tool), softly tap the center of the driver's door window glass.
 - If the system is triggered (horn sounds for **20 seconds**), the sensitivity must be adjusted. Turn the Glass Breakage Sensor ECU's adjustment screw clockwise one notch, and repeat this step again.
4. If the system is not triggered, repeat the glass tapping with moderate force.
 - The system should trigger when the glass is tapped with moderate force. If it is not triggered, turn the Glass Breakage Sensor ECU's adjustment screw clockwise one notch, and repeat this step again.

CAUTION:

Use caution when performing the step above. Do not tap the window glass with too much force, or the glass may crack or break. Use extra caution when the temperature is extremely cold.

NOTE:

The Owner's Guide included in the RS3000 Base Kit is changed to reflect the (GBS logic) improvement. There is no change to the GBS ECU itself.