

ON-BOARD DIAGNOSTIC SYSTEM OUTLINE [IMMOBILIZER SYSTEM]

B3E091401077T08

- The immobilizer system is provided with a malfunction diagnosis function.
- Malfunction diagnosis of the immobilizer system occurs automatically when the ignition switch is turned from the LOCK (ACC) to the ON (START) position.
- If the results of the malfunction diagnosis show a malfunction in the immobilizer system, the security light displays a DTC. At the same time, DTCs are stored in the PCM and instrument cluster. The stored DTCs can be verified using the WDS or equivalent.

Caution

- Always use the WDS or equivalent to verify DTCs even if the security light display a DTC. If the security light itself has a malfunction, it is possible that a DTC may not be properly displayed. There are certain DTCs which can only be verified using the WDS or equivalent, not the security light.
- DTCs for the immobilizer system that are stored in the instrument cluster and PCM are cleared when the ignition switch is turned from the ON to the LOCK (ACC) position.


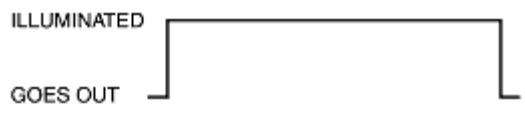
Note

- If two or more malfunctions are detected as a result of malfunction diagnosis, only the DTC with the lowest number of those detected will be displayed by the security light. However, multiple DTCs are stored at the same time.
- If two or more immobilizer system DTCs are verified, first repair the part indicated by the security light displayed DTC. After completely repairing one location, turn the ignition switch from the LOCK to the ON position and perform immobilizer system malfunction diagnosis.










DTC Table

Note

- In the approx. 1 min after detecting a malfunction and before displaying the DTC, the security light will illuminate or flash the following patterns:

Security light flashing pattern (Before displaying DTC)	DTC
	11, 12, 13, 14, 15, 16
	21, 22, 23

DTC			Detection condition
Security light flashing pattern	WDS or equivalent display*		
	Instrument		

		cluster	PCM	
11		B1681	P1260	No detected communication with the coil
12		B2103	P1260	<ul style="list-style-type: none"> Coil antenna malfunction The PCM determined a malfunction in the coil antenna even though it is normal.
13		B1600	P1260	The key ID number data cannot be read.
		B2431	P1260	Key ID number registration error
14		B1602	P1260	The instrument cluster cannot read key ID number data normally.
15		B1601	P1260	The instrument cluster has detected unregistered key ID number.
16		U2510	P1260	Communication error between the instrument cluster and the PCM (no response)
		U1147	P1260	Communication error between the instrument cluster and the PCM (mismatched conditions)
21		B1213	P1260	Only one key ID number is registered.
22		B2141	P1260	Communication error between the instrument cluster and the PCM (data transfer error)
23		B2139	P1260	ID number data in the PCM and the instrument cluster do not match.
Not illuminated		B1342	-	Instrument cluster malfunction