

# Basic Diagnostic Procedure

## IMMOBILIZER (DIAGNOSTICS)

### 1. Basic Diagnostic Procedure

#### A: PROCEDURE

Step	Check	Yes	No
1 <b>CHECK SECURITY INDICATOR LIGHT.</b> 1) Turn the ignition switch to "OFF" or "ACC". 2) Wait at least 60 seconds.	Does the security indicator light blink?	Go to step 2.	Check the security indicator light circuit. <Ref. to IM(diag)-10, CHECK SECURITY INDICATOR LIGHT CIRCUIT, INSPECTION, Diagnostics Chart for Security Indicator Light.>
2 <b>CHECK KEY SWITCH.</b> Remove the key from ignition switch.	Does the security indicator light begin to blink within 1 second after removing the key?	Go to step 3.	Check the key switch circuit. <Ref. to IM(diag)-12, CHECK KEY SWITCH CIRCUIT, INSPECTION, Diagnostics Chart for Security Indicator Light.>
3 <b>CHECK SECURITY INDICATOR LIGHT.</b> Turn the ignition switch to ON.	Does the security indicator light go off?	Go to step 5.	Go to step 4.
4 <b>CHECK ENGINE START.</b> Turn the ignition switch to START.	Does the starter operate?	Check the LAN communication system. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>	Check the DTC display (body integrated unit). Go to step 7.
5 <b>CHECK ENGINE START.</b> Turn the ignition switch to START.	Does the starter operate?	Go to step 6.	Check the LAN communication system. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
6 <b>CHECK ENGINE START.</b> Turn the ignition switch to START.	Does the engine start?	Immobilizer system is normal.	Check the DTC display (ECM). Go to step 7.
7 <b>CHECK FOR ANY OTHER DTC ON DISPLAY.</b> 1) Turn the ignition switch to OFF. 2) Connect the Subaru Select Monitor to data link connector. <Ref. to IM(diag)-7, Subaru Select Monitor.> 3) Turn the ignition switch to ON and run the Subaru Select Monitor. 4) Read DTC's on the display.	Is the DTC displayed on screen?	Go to step 8.	Repair the related parts.
8 <b>PERFORM DIAGNOSIS.</b> 1) Inspect using the "Diagnostic Procedure with Diagnostic Trouble Code (DTC)". <Ref. to IM(diag)-16, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> 2) Repair the trouble cause. 3) Perform the Clear Memory Mode. 4) Read DTC's again.	Is the DTC displayed on screen?	Inspect using the "Diagnostic Procedure with Diagnostic Trouble Code (DTC)". <Ref. to IM(diag)-16, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Finish the diagnosis.