

# Basic Diagnostic Procedure

## AUTO HEADLIGHT BEAM LEVELER SYSTEM (DIAGNOSTICS)

### 1. Basic Diagnostic Procedure

#### A: PROCEDURE

| Step                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Check                           | Yes                                                                                                                                                                                                                                                            | No                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>1</b><br><b>PERFORM CUSTOMER INTERVIEW.</b><br>Using the Check List for Interview, ask the customer the condition of how the trouble occurred. <Ref. to AL(diag)-3, CHECK, Check List for Interview.>                                                                                                                                                                                                                                                                       | Did you interview the customer? | Go to step 2.                                                                                                                                                                                                                                                  | Interview the customer. <Ref. to AL(diag)-3, CHECK, Check List for Interview.> |
| <b>2</b><br><b>CHECK LAN SYSTEM.</b><br>Inspect LAN system. <Ref. to LAN(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>                                                                                                                                                                                                                                                                                                                                                      | Is there any fault?             | Perform the inspection according to the diagnosis for LAN system.                                                                                                                                                                                              | Go to step 3.                                                                  |
| <b>3</b><br><b>CHECK AUTO HEADLIGHT BEAM LEVELER SYSTEM.</b><br>Using the Subaru Select Monitor, read DTC of the auto headlight beam leveler system inspection. <Ref. to AL(diag)-10, OPERATION, Read Diagnostic Trouble Code (DTC).><br>NOTE:<br>If the communication function of the Subaru Select Monitor cannot be executed properly, check the communication circuit. <Ref. to AL(diag)-8, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, INSPECTION, Subaru Select Monitor.> | Is DTC displayed?               | Record DTC and time stamp, and perform the diagnosis according to DTC. <Ref. to AL(diag)-13, LIST, List of Diagnostic Trouble Code (DTC).><br>NOTE:<br>For time stamp, refer to "LAN SYSTEM". <Ref. to LAN(diag)-6, TIME STAMP, CAUTION, General Description.> | Go to step 4.                                                                  |
| <b>4</b><br><b>CHECK DIAGNOSTICS WITH PHENOMENON.</b><br>Check "Diagnostics with Phenomenon". <Ref. to AL(diag)-18, Diagnostics with Phenomenon.>                                                                                                                                                                                                                                                                                                                              | Does the symptom apply?         | Perform diagnosis according to the procedures in the diagnostics with phenomenon.                                                                                                                                                                              | Go to step 5.                                                                  |
| <b>5</b><br><b>CHECK TROUBLE PHENOMENON.</b><br>1) Perform the basic inspection and function check. <Ref. to AL(diag)-4, INSPECTION, General Description.><br>2) Check the auto headlight beam leveler CM. <Ref. to AL(diag)-6, Control Module I/O Signal.><br>3) Perform check of current data. <Ref. to AL(diag)-12, Read Current Data.><br>4) Perform a unit check.                                                                                                         | Was the trouble cause found?    | Repair or replace the cause of trouble.                                                                                                                                                                                                                        | System is normal.                                                              |