

### 3. General Description

#### A: CAUTION

##### 1. SRS AIRBAG SYSTEM

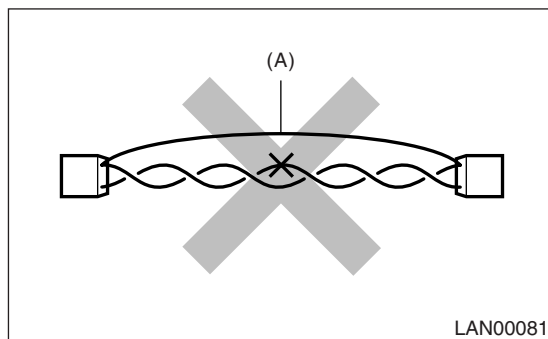
Airbag system wiring harness is routed near the body integrated unit and twisted pair line.

##### CAUTION:

- All airbag system wiring harness and connectors are colored yellow. Do not use the electrical test equipment on these circuits.
- Be careful not to damage the airbag system wiring harness when servicing the body integrated unit and LAN system.
- Refer to “Airbag System” when disconnecting the air bag system connector. <Ref. to AB-4, CAUTION, General Description.>

##### 2. LAN SYSTEM

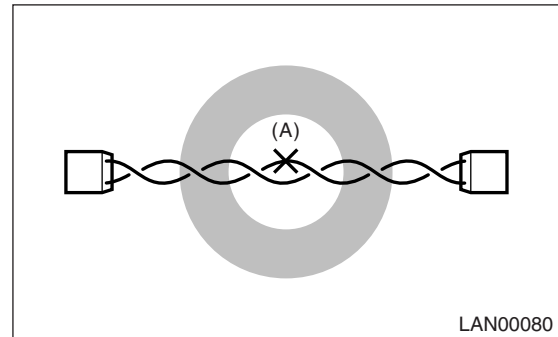
- Bus line of LAN system is twisted pair line. Be careful not to bypass or partly unbind the twisted pair line.
- Do not make clearance between bus lines (CAN High, CAN Low).
- Difference of bus line length should be within 10 cm (3.94 in).
- Fray near the connector should be within 8 cm (3.14 in).



(A) Bypass wire connection

- If the characteristics of the twisted pair line are changed, it may extremely weaken against noise.

- When repairing the harness, connect the wires using soldering and protect it with insulating tape etc.



(A) Soldering and protection with insulating tape

#### B: INSPECTION

Before performing diagnostics, check the following item which might affect body integrated unit malfunctions.

- 1) Measure the battery voltage and check electrolyte.

**Standard voltage: 12 V or more**

**Specific gravity: Above 1.260**

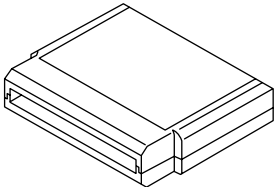

- 2) Check the fuse condition.  
Make sure that ampere of the fuse is setting value, and it is not blown out.
- 3) Check the connecting condition of harness and harness connector.
- 4) Confirm settings of body integrated unit are corresponded to vehicle equipment. <Ref. to LAN(diag)-19, REGISTRATION BODY INTEGRATED UNIT (EQUIPMENT SETTING), OPERATION, Subaru Select Monitor.>
- 5) Confirm setting are corresponded to vehicle equipment by function setting (ECM customizing) of body integrated unit. <Ref. to LAN(diag)-22, FUNCTION SETTING (ECM CUSTOMIZING), OPERATION, Subaru Select Monitor.>
- 6) Confirm “Factory initial setting” of body integrated unit registrations is “Market”.
- 7) Confirm key illumination does not blink with ignition switch turned to ON.

## General Description

LAN SYSTEM (DIAGNOSTICS)

### C: PREPARATION TOOL

#### 1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST18482AA010	18482AA010	CARTRIDGE	Troubleshooting for electrical system.
 ST22771AA030	22771AA030	SUBARU SELECT MONITOR KIT	Troubleshooting for electrical system.

#### 2. GENERAL TOOL

TOOL NAME	REMARKS
Circuit tester	Used for measuring resistance, voltage and current.