

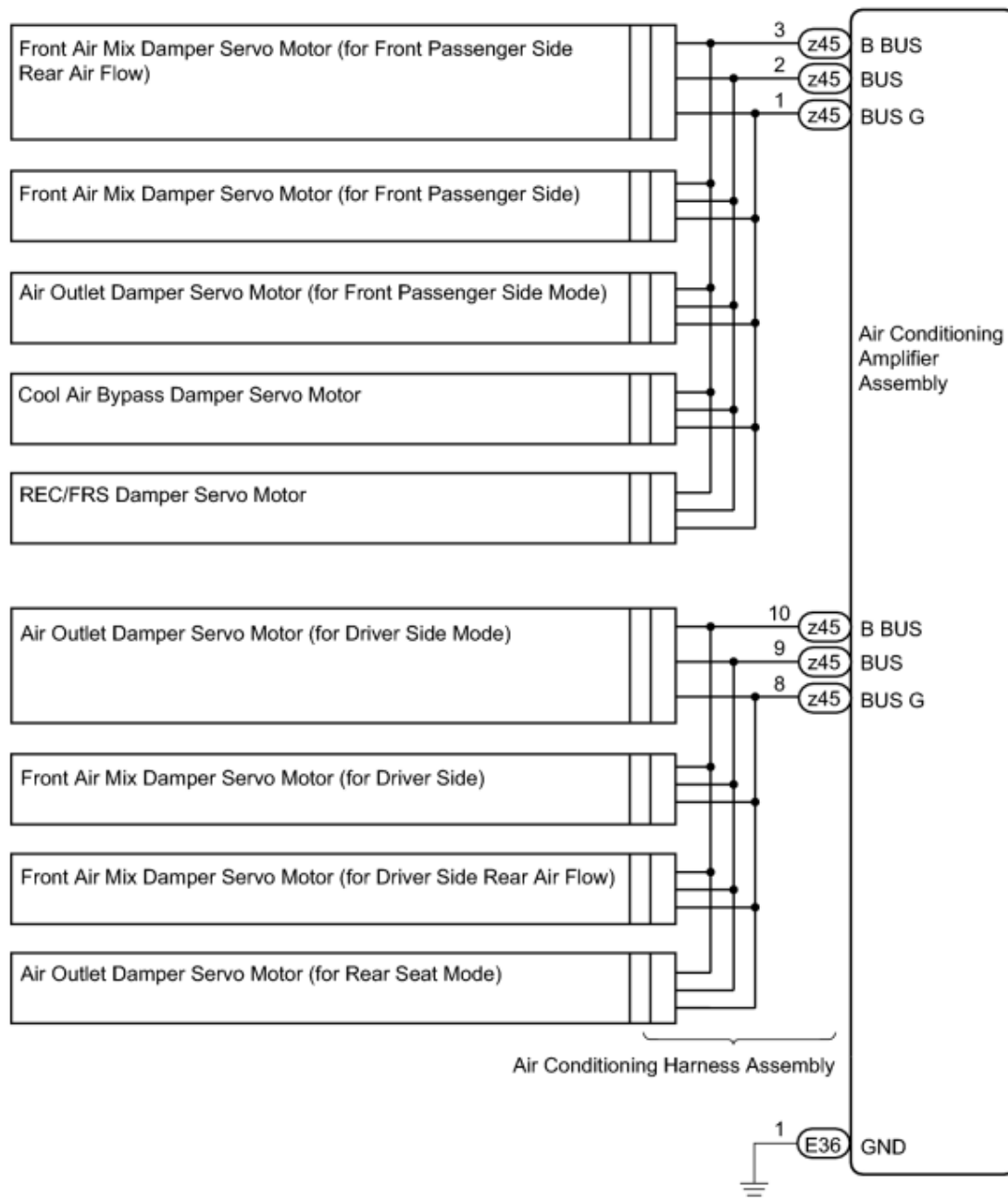
<b>Last Modified:</b> 11-27-2007		1.6 C
<b>Service Category:</b> Vehicle Interior	<b>Section:</b> Heating/Air Conditioning	
<b>Model Year:</b> 2008	<b>Model:</b> LX570	<b>Doc ID:</b> RM000002LLQ009X
<b>Title:</b> HEATING / AIR CONDITIONING: AIR CONDITIONING SYSTEM: DESCRIPTION (2008 LX570)		
<b>DTC</b>	<b>B1497/97</b>	<b>BUS IC Communication Malfunction</b>

## **DESCRIPTION**

The air conditioning harness assembly connects the air conditioning amplifier assembly and each servo motor. The air conditioning amplifier assembly supplies power and sends operation instructions to each servo motor through the air conditioning harness assembly. Each servo motor sends the damper position information to the air conditioning amplifier assembly.

DTC CODE	DTC DETECTION CONDITION	TROUBLE AREA
B1497/97	An open or error in the communication line.	<ul style="list-style-type: none"> <li>Air conditioning harness assembly</li> <li>Air conditioning amplifier assembly</li> </ul>

## **WIRING DIAGRAM**

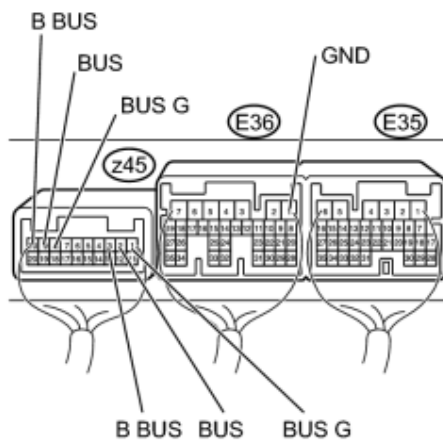


## INSPECTION PROCEDURE

### PROCEDURE

1. CHECK AIR CONDITIONING AMPLIFIER ASSEMBLY

Component with harness connected:  
(Air Conditioning Amplifier Assembly)



- (a) Remove the air conditioning amplifier assembly with its connectors still connected INFO.
- (b) Measure the resistance according to the value(s) in the table below.

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
E36-1 (GND) - z45-1 (BUS G)	Always	Below 1 $\Omega$
E36-1 (GND) - z45-8 (BUS G)		
z45-1 (BUS G) - Body ground		
z45-8 (BUS G) - Body ground		

- (c) Measure the voltage according to the value(s) in the table below.

Standard Voltage:

TESTER CONNECTION	SWITCH CONDITION	SPECIFIED CONDITION
z45-1 (BUS G) - z45-3 (B BUS)	Always	11 to 14 V
z45-8 (BUS G) - z45-10 (B BUS)	Always	11 to 14 V
z45-1 (BUS G) - z45-2 (BUS)	Engine switch on (IG)	Pulse generation