

Last Modified: 7-13-2007		1.6 C
Service Category: Vehicle Exterior		Section: Lighting (ext)
Model Year: 2008	Model: ES350	Doc ID: RM000002HUS007X
Title: LIGHTING: LIGHTING SYSTEM: B2410: Headlight Swivel Motor LH Communication Malfunction (2008 ES350)		

DTC	B2410	Headlight Swivel Motor LH Communication Malfunction
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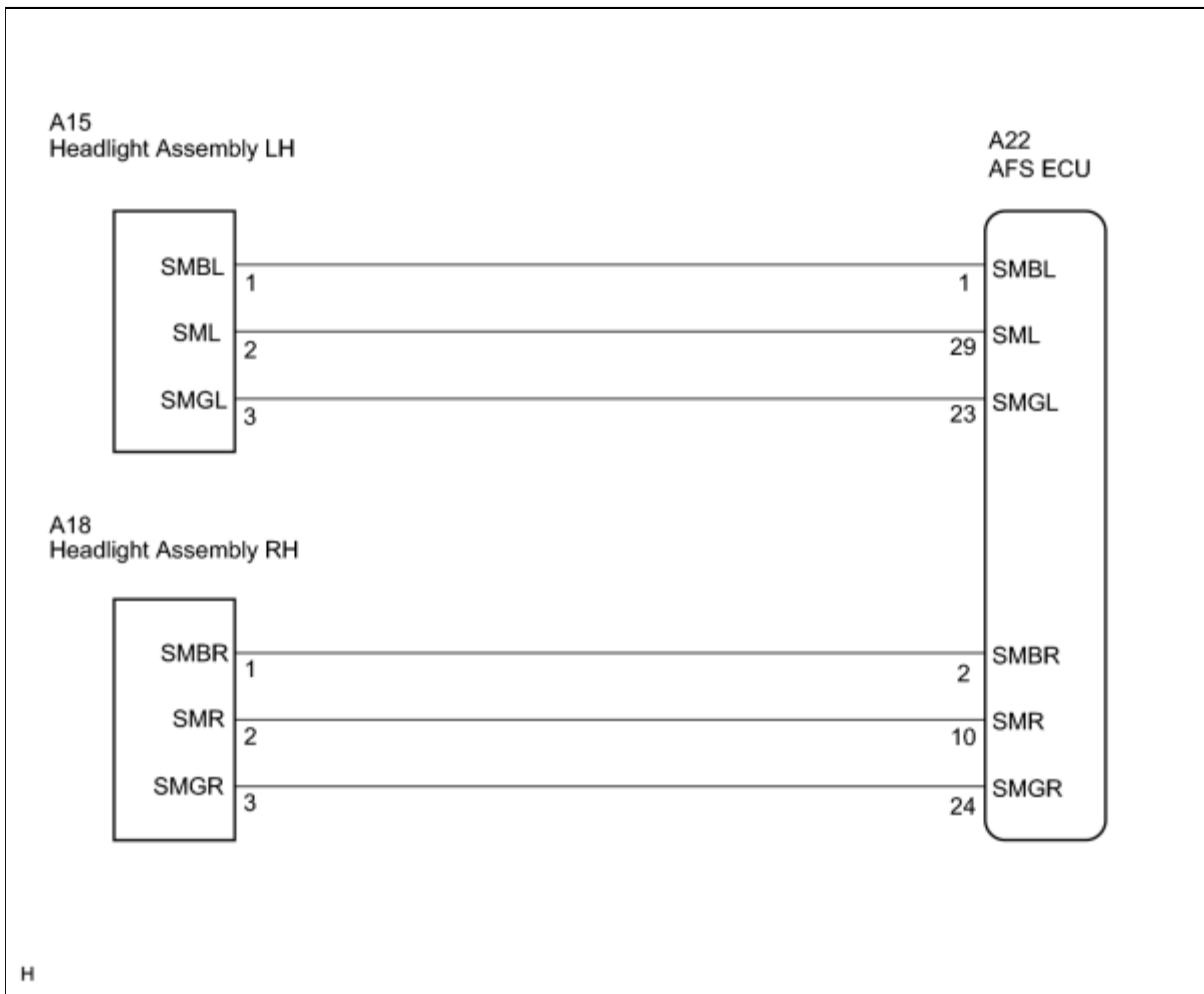
DTC	B2411	Headlight Swivel Motor RH Communication Malfunction
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DESCRIPTION

The AFS ECU receives a signal from the headlight swivel motor using LIN communication.

DTC NO.	DTC DETECTING CONDITION	TROUBLE AREA
B2410	<ul style="list-style-type: none"> Malfunction in headlight swivel motor LH Open or short in headlight swivel motor LH communication circuit 	<ul style="list-style-type: none"> Headlight swivel motor LH Harness or connector AFS ECU
B2411	<ul style="list-style-type: none"> Malfunction in headlight swivel motor RH Open or short in headlight swivel motor RH communication circuit 	<ul style="list-style-type: none"> Headlight swivel motor RH Harness or connector AFS ECU

WIRING DIAGRAM

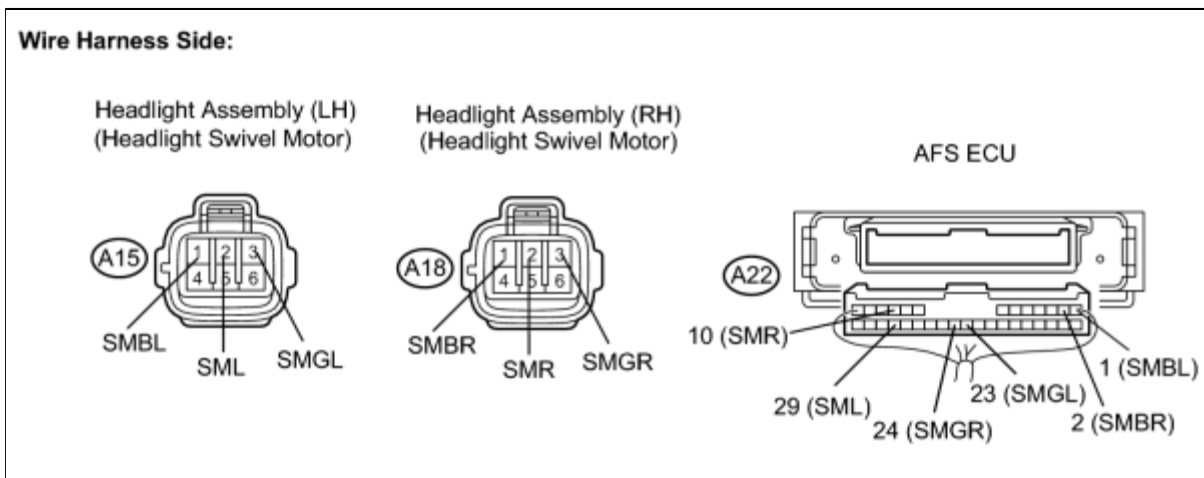


INSPECTION PROCEDURE

PROCEDURE

1. CHECK HARNESS AND CONNECTOR

(a) Disconnect the A22 AFS ECU connector.



(b) Disconnect the A15 or A18 headlight assembly connector.

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

Standard resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
A22-1 (SMBL) - A15-1 (SMBL)	Always	Below 1 Ω
A22-23 (SMGL) - A15-3 (SMGL)	Always	Below 1 Ω
A22-29 (SML) - A15-2 (SML)	Always	Below 1 Ω
A22-1 (SMBL) - Body ground	Always	10 k Ω or higher
A22-23 (SMGL) - Body ground	Always	10 k Ω or higher
A22-29 (SML) - Body ground	Always	10 k Ω or higher

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
A22-2 (SMBR) - A18-1 (SMBR)	Always	Below 1 Ω
A22-10 (SMR) - A18-2 (SMR)	Always	Below 1 Ω
A22-24 (SMGR) - A18-3 (SMGR)	Always	Below 1 Ω
A22-2 (SMBR) - Body ground	Always	10 k Ω or higher
A22-10 (SMR) - Body ground	Always	10 k Ω or higher
A22-24 (SMGR) - Body ground	Always	10 k Ω or higher

NG  **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK



2. REPLACE HEADLIGHT REFLECTOR (HEADLIGHT SWIVEL MOTOR)

OK:

Returns to normal operation.

NG  **REPLACE AFS ECU**

OK  **END**

