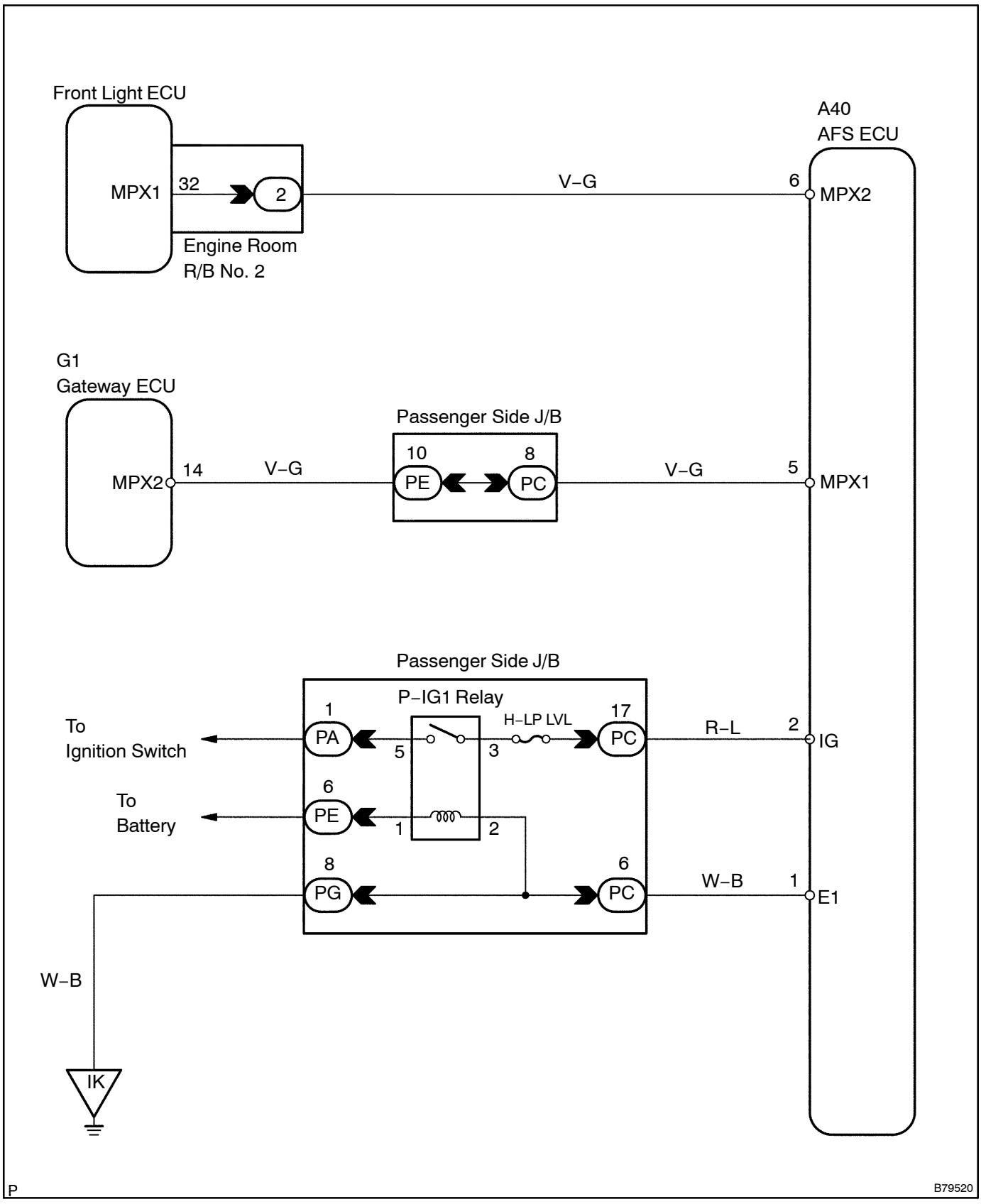
DTC B1205 AFS ECU COMMUNICATION STOP

CIRCUIT DESCRIPTION

This DTC is detected when communication between the headlamp swivel ECU (AFS ECU) and gateway ECU stops for more than than 10 seconds.

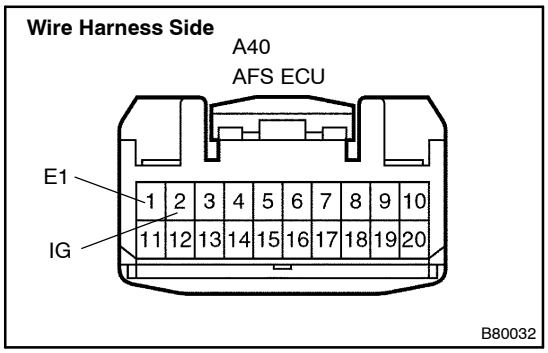
DTC No.	DTC Detection Condition	Trouble Area
B1205	Headlamp swivel ECU communication stops	• Headlamp swivel ECU assy (AFS ECU) • Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK WIRE HARNESS (AFS ECU – BODY GROUND)



(a) Disconnect the A40 ECU connector.
(b) Measure the resistance and voltage between the wire harness side connector and body ground.

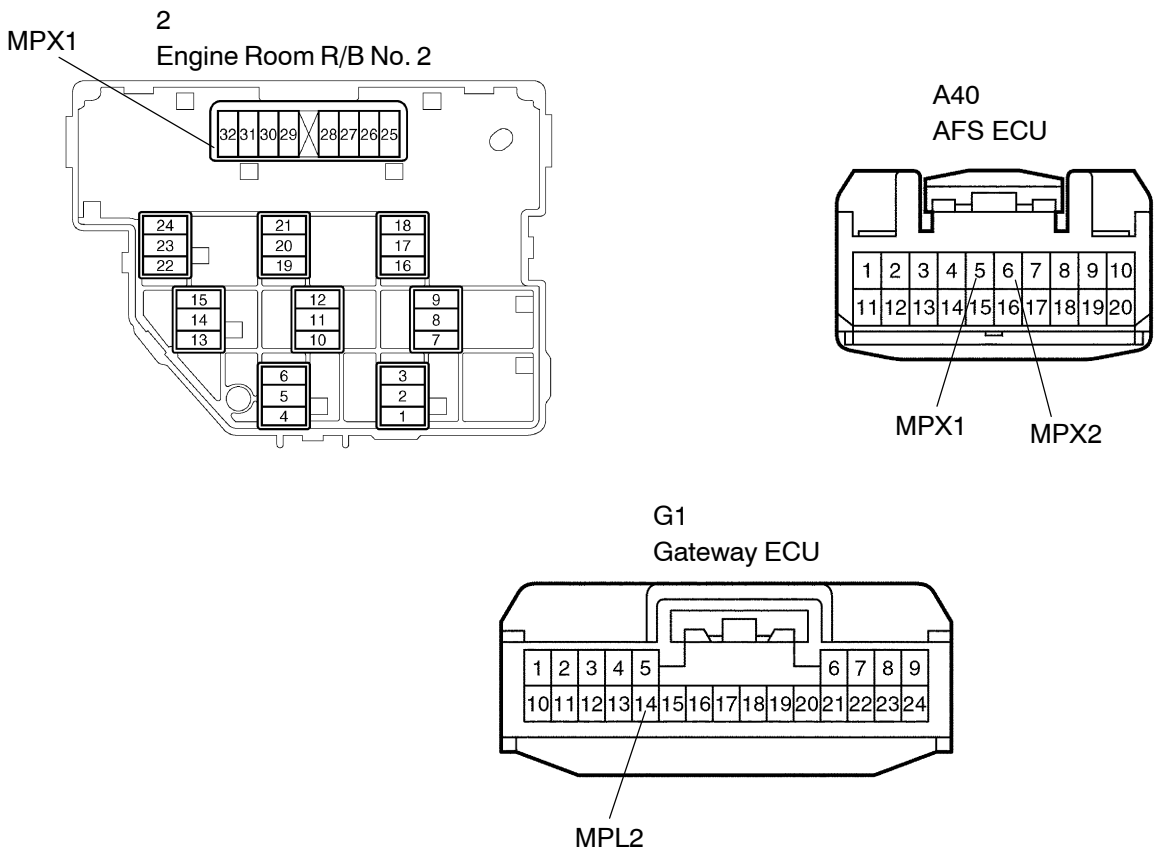
Standard:

Tester Connection	Condition	Specified Condition
A40–2 (IG) – Body ground	Ignition OFF → ON	0 V → 10 to 14V
A40–1 (E1) – Body ground	Constant	Below 1 Ω

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

2 CHECK RESISTANCE OF COMMUNICATION LINE



(a) Disconnect the A40, G1 ECU and 2 R/B connectors.
(b) Measure the resistance between the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
A40–5 (MPX1) – G1–14 (MPX2)	Below 1 Ω
A40–6 (MPX2) – 2–32 (MPX1)	Below 1 Ω

Result:

Result	Proceed to
Both are OK	A
One is OK	B
Both are NG	C

B → **REPLACE AFS ECU AND WIRE HARNESS CONNECTOR**

C → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

A

REPLACE AFS ECU