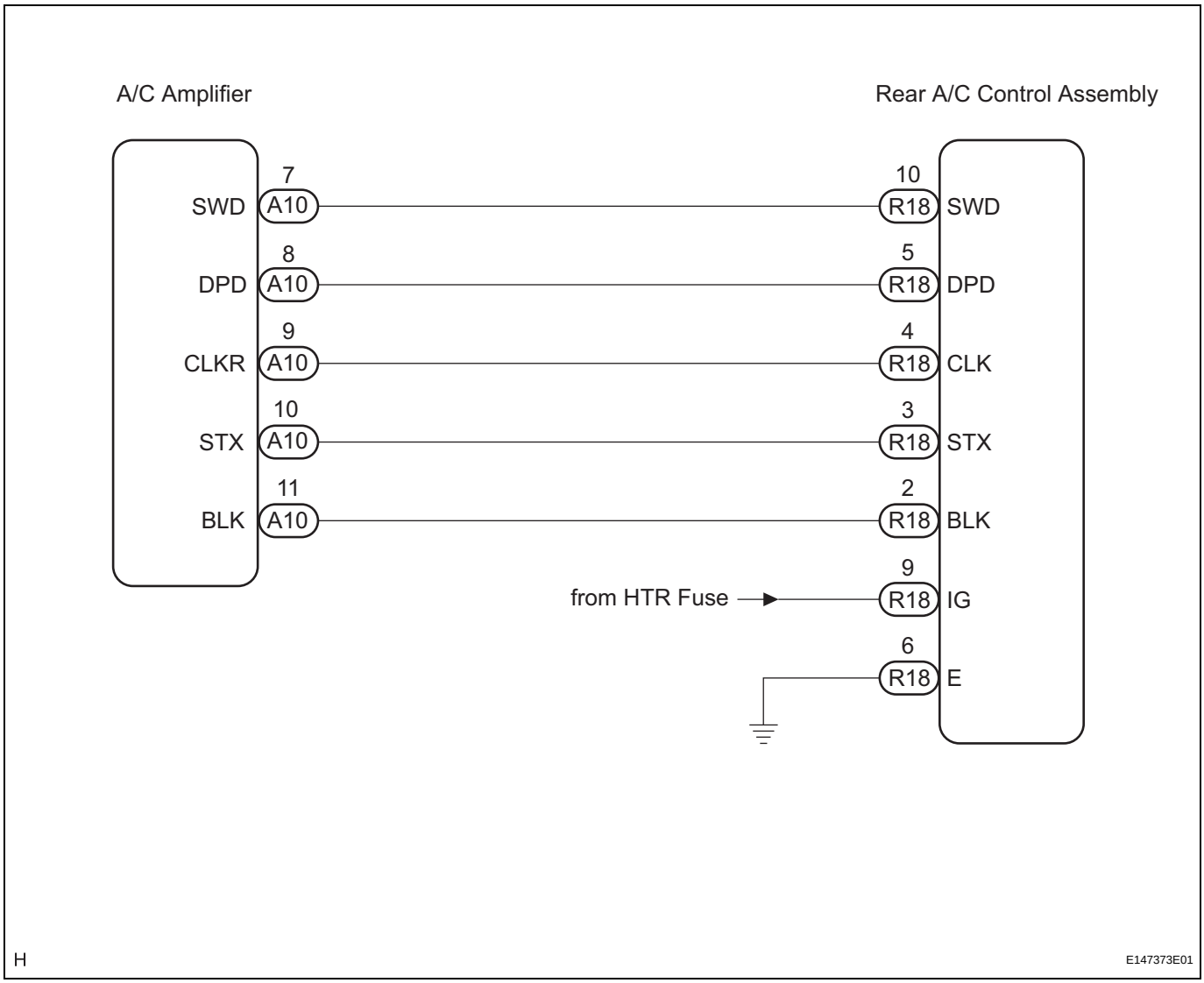
Rear Air Conditioning Control Panel Circuit

DESCRIPTION

This is the rear A/C system control signal circuit as well as the power supply circuit of the rear A/C control assembly.
Pulse signals regarding rear A/C control panel switch operation are transmitted between the A/C amplifier and rear A/C control assembly.

AC

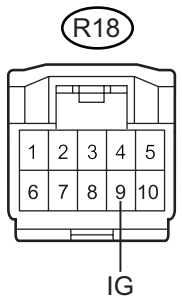
WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK HARNESS AND CONNECTOR (REAR A/C CONTROL ASSEMBLY - BATTERY)

Front view of wire harness connector:
(to Rear A/C Control Assembly)



E147478E01

(a) Disconnect the connector from the rear A/C control assembly.
(b) Measure the voltage according to the value(s) in the table below.

Standard voltage

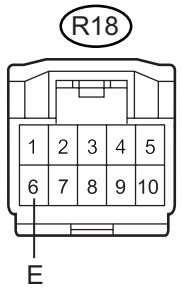
Tester Connection	Condition	Specified Condition
R18-9 (IG) - Body ground	Ignition switch: ON	11 to 14 V

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

OK

2	CHECK HARNESS AND CONNECTOR (REAR A/C CONTROL ASSEMBLY - BODY GROUND)

Front view of wire harness connector:
(to Rear A/C Control Assembly)



E147478E02

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

Standard resistance

Tester Connection	Condition	Specified Condition
R18-6 (E) - Body ground	Always	Below 1 Ω

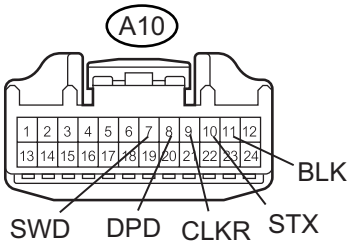
NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

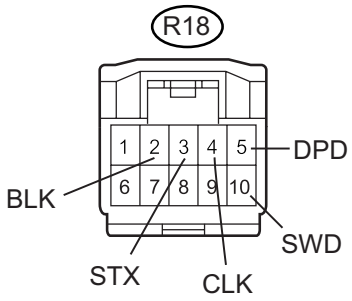
AC

3	**CHECK HARNESS AND CONNECTOR (REAR A/C CONTROL ASSEMBLY - A/C AMPLIFIER)**

Front view of wire harness connector:
(to A/C Amplifier)



(to Rear A/C Control Assembly)



E147479E01

(a) Disconnect the connector from the A/C amplifier.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
R18-2 (BLK) - A10-11 (BLK)	Always	Below 1 Ω
R18-3 (STX) - A10-10 (STX)	Always	Below 1 Ω
R18-4 (CLK) - A10-9 (CLKR)	Always	Below 1 Ω
R18-5 (DPD) - A10-8 (DPD)	Always	Below 1 Ω
R18-10 (SWD) - A10-7 (SWD)	Always	Below 1 Ω
R18-2 (BLK) - Body ground	Always	10 kΩ or higher
R18-3 (STX) - Body ground	Always	10 kΩ or higher
R18-4 (CLK) - Body ground	Always	10 kΩ or higher
R18-5 (DPD) - Body ground	Always	10 kΩ or higher
R18-10 (SWD) - Body ground	Always	10 kΩ or higher

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

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE