

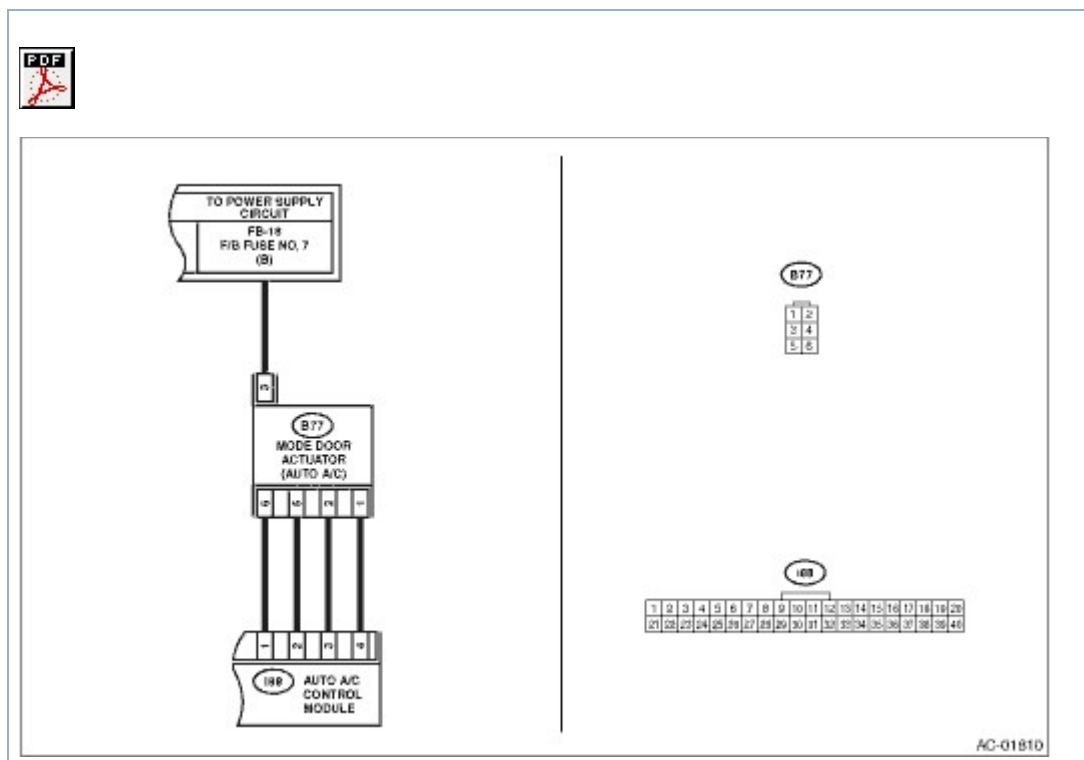
## HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS) > Diagnostic Procedure for Actuators

### MODE DOOR ACTUATOR


#### TROUBLE SYMPTOM:

Air flow outlet is not changed.

#### WIRING DIAGRAM:



STEP	CHECK	YES	NO
<p><b>1.CHECK POWER SUPPLY FOR MODE DOOR ACTUATOR.</b></p> <p>1) Turn the ignition switch to OFF.</p> <p>2) Disconnect the mode door actuator connector.</p> <p>3) Turn the ignition switch to ON.</p> <p>4) Measure the voltage between the mode door actuator connector terminal and chassis ground.</p> <p><b>Connector &amp; terminal</b> (B77) No. 3 (+) — Chassis ground (-):</p>	<p>Is the voltage approx. 10 V or more?</p>	<p></p>	<p>Check the power supply circuit.</p>
<p><b>2.CHECK MODE DOOR ACTUATOR.</b></p> <p>1) Disconnect the mode door actuator connector.</p> <p>2) Measure the resistance between mode door actuator terminals using a tester.</p> <p><b>Connector &amp; terminal</b> (B77) No. 3 — No. 1: (B77) No. 3 — No. 2:</p>	<p>Is the resistance between 80 — 100 Ω?</p>	<p></p>	<p>Replace the mode door actuator.</p>

STEP	CHECK	YES	NO
(B77) No. 3 – No. 5: (B77) No. 3 – No. 6:			
<b>3.CHECK HARNESS BETWEEN AUTO A/C CONTROL MODULE AND MODE DOOR ACTUATOR.</b> 1) Turn the A/C and ignition switch to OFF. 2) Disconnect the auto A/C control module connector. 3) Measure the resistance between auto A/C control module and mode door actuator connector. <b>Connector &amp; terminal</b> (B77) No. 1 – (i88) No. 4: (B77) No. 2 – (i88) No. 3: (B77) No. 5 – (i88) No. 2: (B77) No. 6 – (i88) No. 1:	Is the resistance less than 1 Ω?		Repair the harness between auto A/C control module and mode door actuator.
<b>4.CHECK POOR CONTACT.</b> Check poor contact of auto A/C control module and connector.	Is there poor contact in connector?	Repair the connector.	Replace the auto A/C control module.