

AIR CONDITIONING SYSTEM

REFER TO 1988 CELICA REPAIR MANUAL (Pub. No. RM071U)

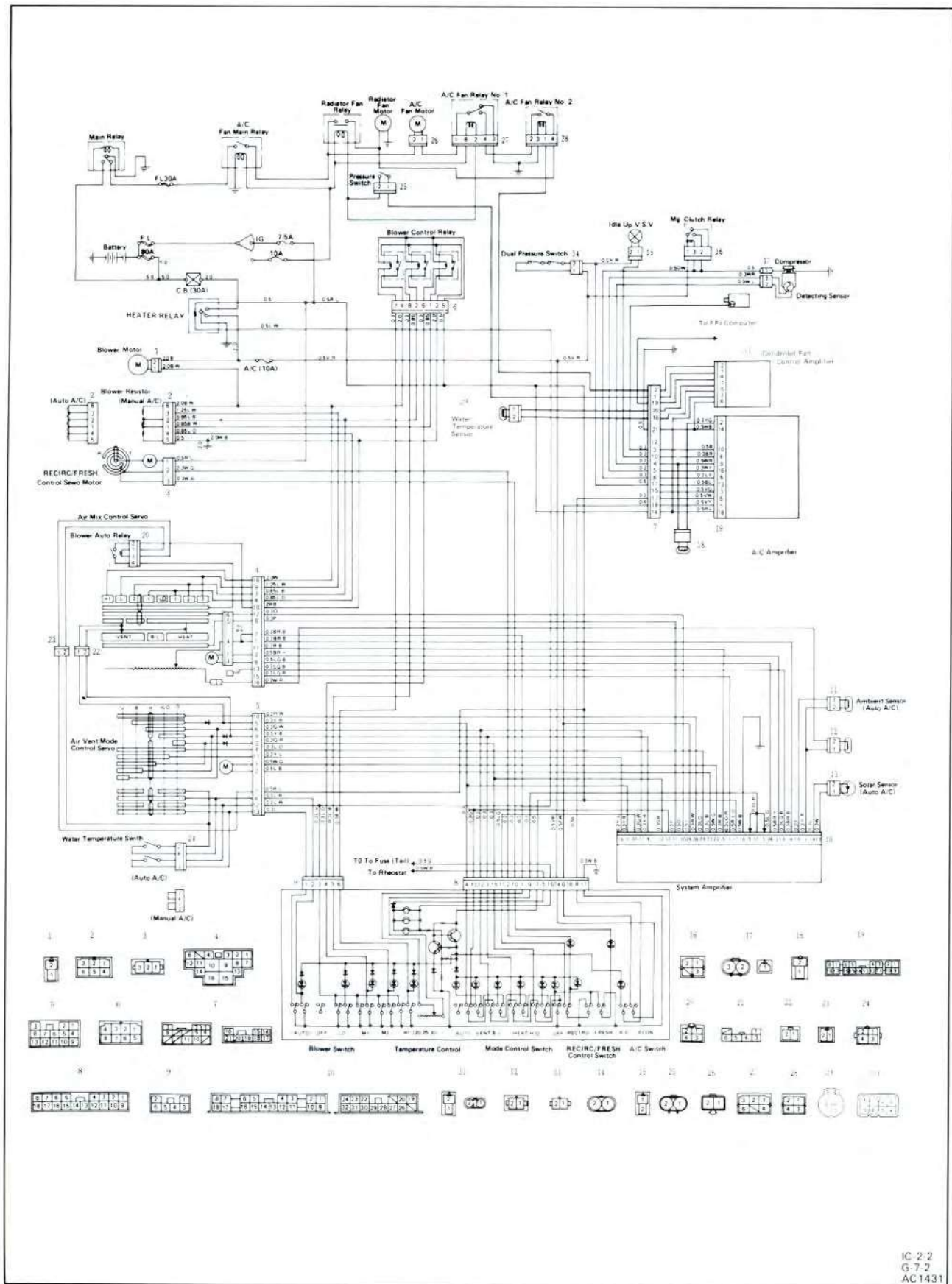
NOTE: The following pages contain only the points which differ from above listed manual.

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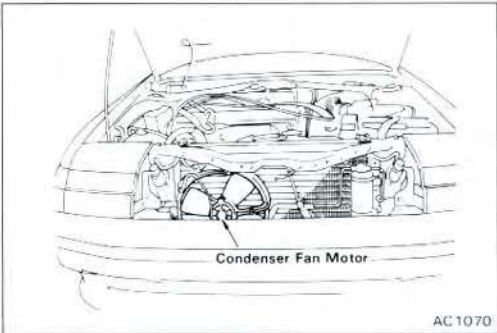
AC-2

AIR CONDITIONING SYSTEM — Air Conditioning System Circuit

AIR CONDITIONING SYSTEM CIRCUIT



IC-2-2
G-7-2
AC1431



CONDENSER FAN MOTOR

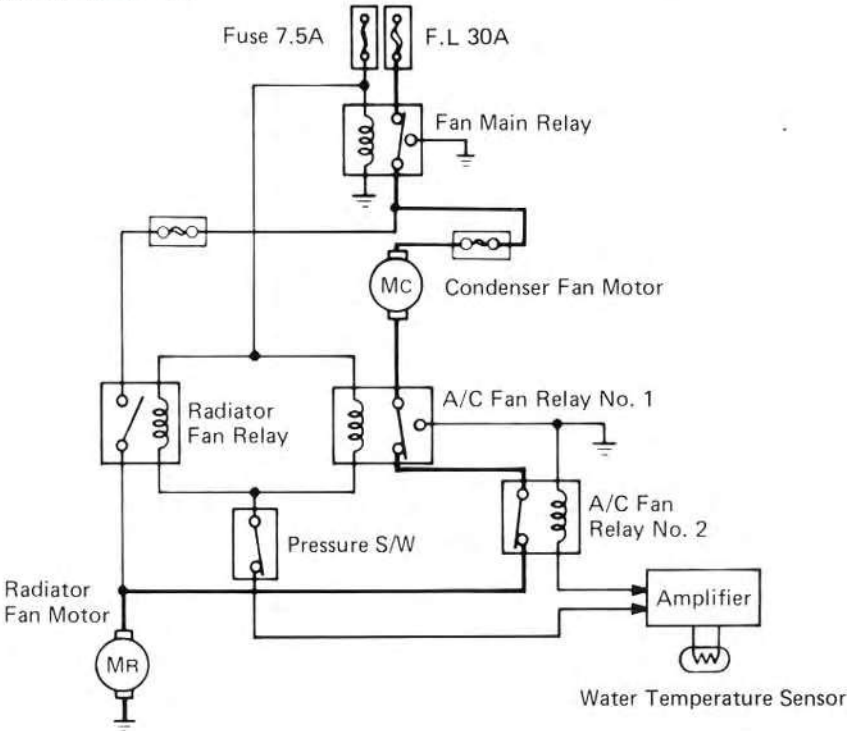
INSPECTION OF FAN MOTORS

CHECK FAN MOTORS OPERATION

NOTE: The fan motors operate at two speed depending on the water temperature and A/C switch.

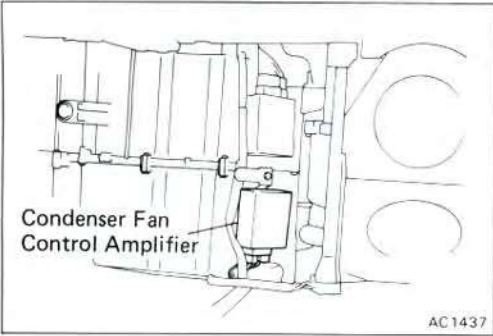
A/C switch	Magnetic clutch	Water temperature °C (°F)	Refrigerant pressure (kg/cm ²)	Fan motor speed
OFF or ON	OFF	85 (185) or below	15.5 or below	OFF
		85 – 90 (185 – 194)		LO
		90 (194) or above		HI
ON	ON	85 (185) or below	15.5 or below	LO
		85 – 90 (185 – 194)		
		90 (194) or above		
		90 (194) or below	15.5 or above	HI
		90 (194) or above		

(Example) A/C Switch: ON Magnetic Clutch: ON Water Temperature: 90°C (194°F) or below
Fan Motor Speed: Low



AC-4

AIR CONDITIONING SYSTEM — Condenser Fan Control Amplifier



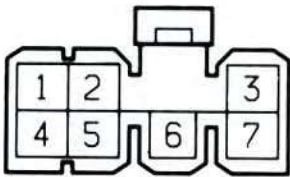
CONDENSER FAN CONTROL AMPLIFIER

INSPECTION OF AMPLIFIER

INSPECT AMPLIFIER CIRCUIT

Disconnect the amplifier and inspect the connector on the wire harness side as shown in the chart below.

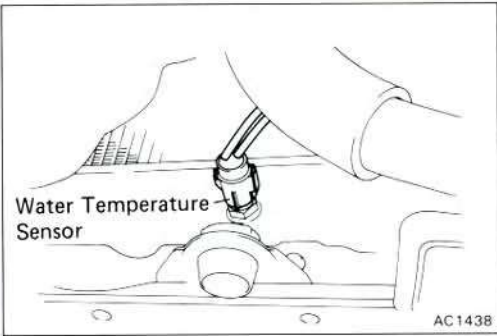
Wire Harness Side



Test conditions:

- (1) Ignition switch: ON
- (2) Temperature control lever: MAX COOL
- (3) Blower switch: HI

Check for	Tester connection	Condition	Specified value
Continuity	6 – Ground	—	Continuity
Voltage	3 – 6	Turn ignition switch on	Battery voltage
		Turn ignition switch off	No voltage
Voltage	4 – 6	Turn ignition switch on	Battery voltage
		Turn ignition switch off	No voltage
Resistance	7 – 5	—	Approx. 570 Ω at 25°C (77°F)
Continuity	2 – 6	—	Continuity



SENSOR

INSPECTION OF WATER TEMPERATURE SENSOR

Check the sensor operation.

