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300 D/CD/TD (TURBO)

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380 SL

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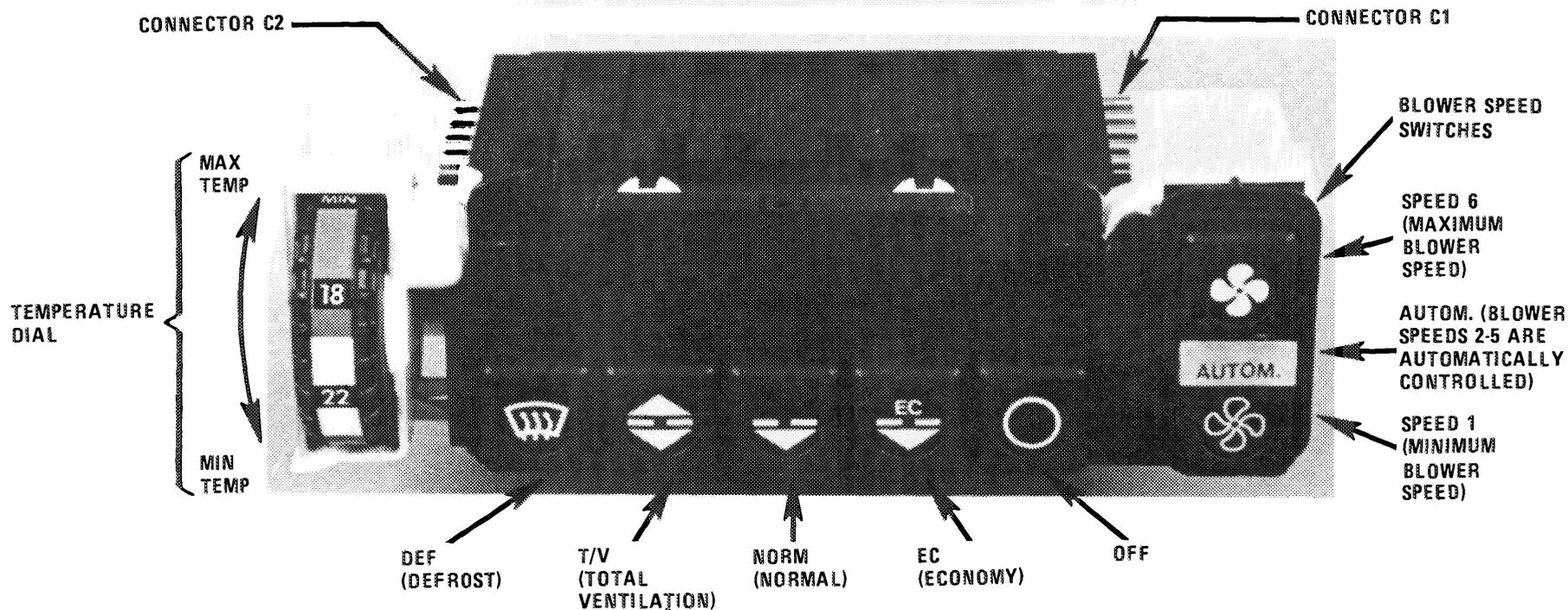
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380 SEL/SEC

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PUSHBUTTON CONTROL ASSEMBLY



FUNCTION CONTROL SWITCHES

NOTE: ONLY ONE FUNCTION IS TO BE SELECTED AT ANY TIME.

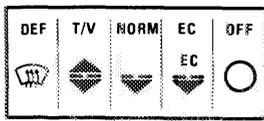
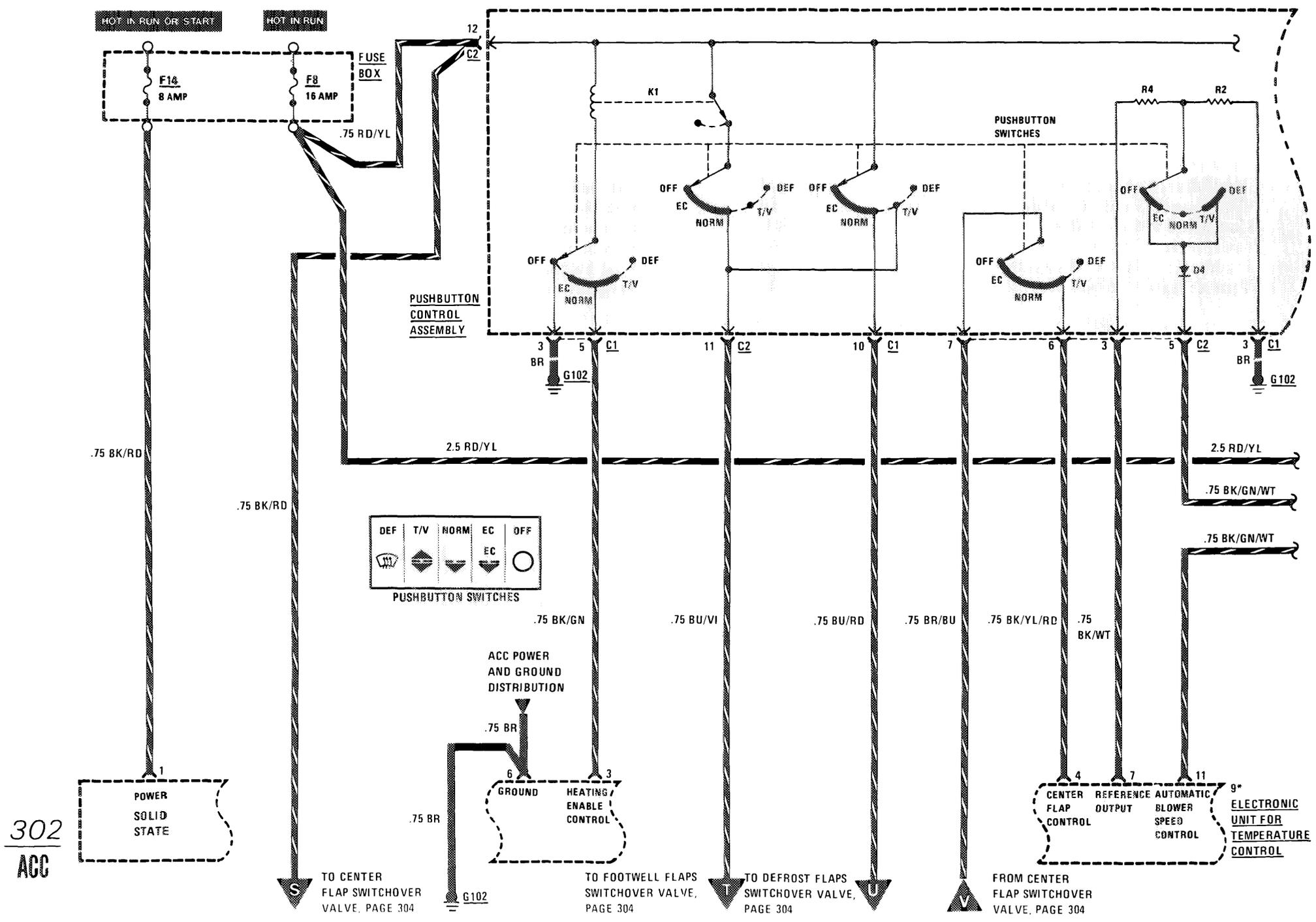
AIR DELIVERY (ELECTRICAL)

(For Component Locations See Page 310)

300 D/CD/TD

HOT IN RUN OR START

HOT IN RUN



302
ACC

TO CENTER
FLAP SWITCHOVER
VALVE, PAGE 304

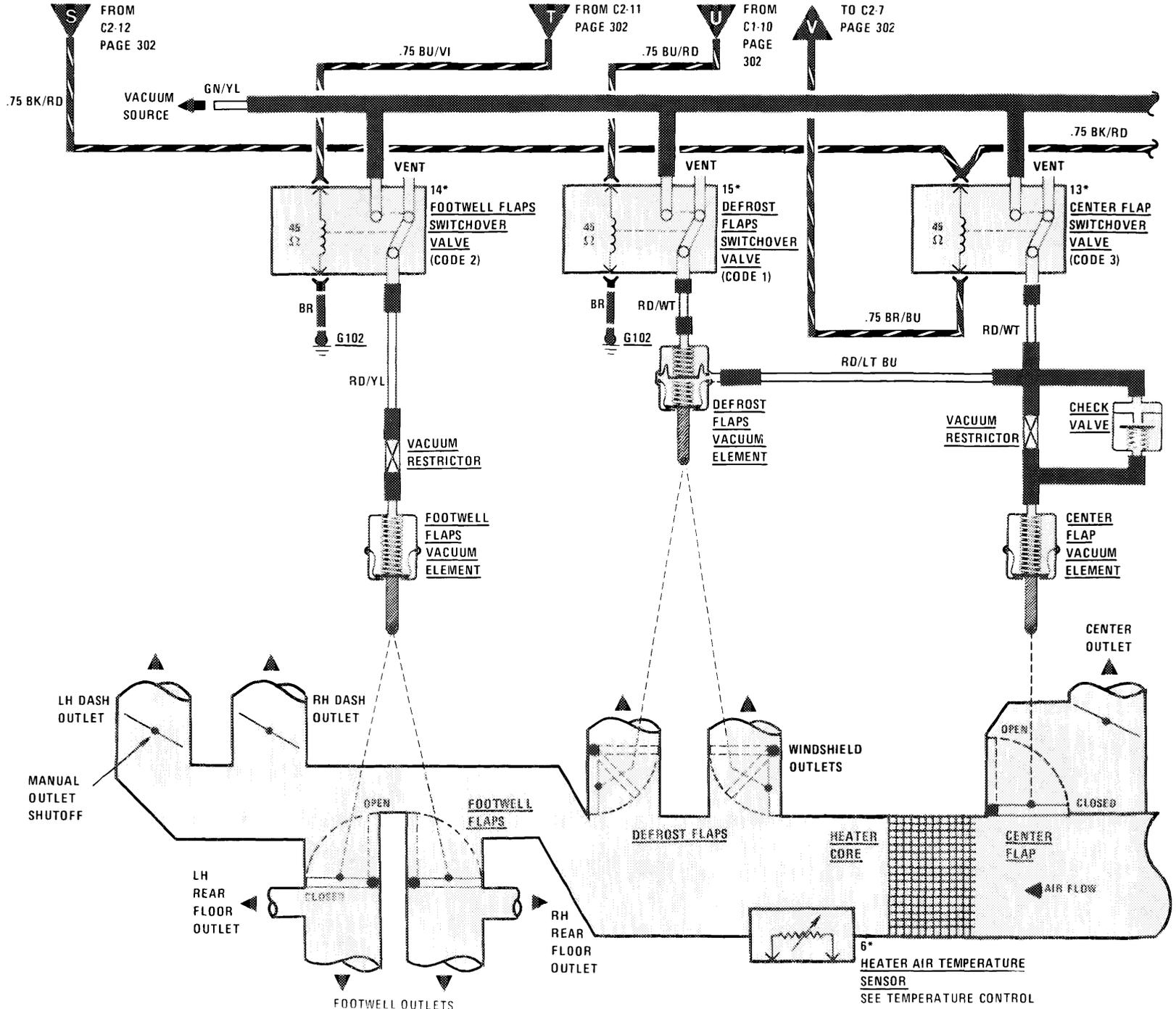
TO FOOTWELL FLAPS
SWITCHOVER VALVE,
PAGE 304

TO DEFOST FLAPS
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FROM CENTER
FLAP SWITCHOVER
VALVE, PAGE 304

9*
ELECTRONIC
UNIT FOR
TEMPERATURE
CONTROL

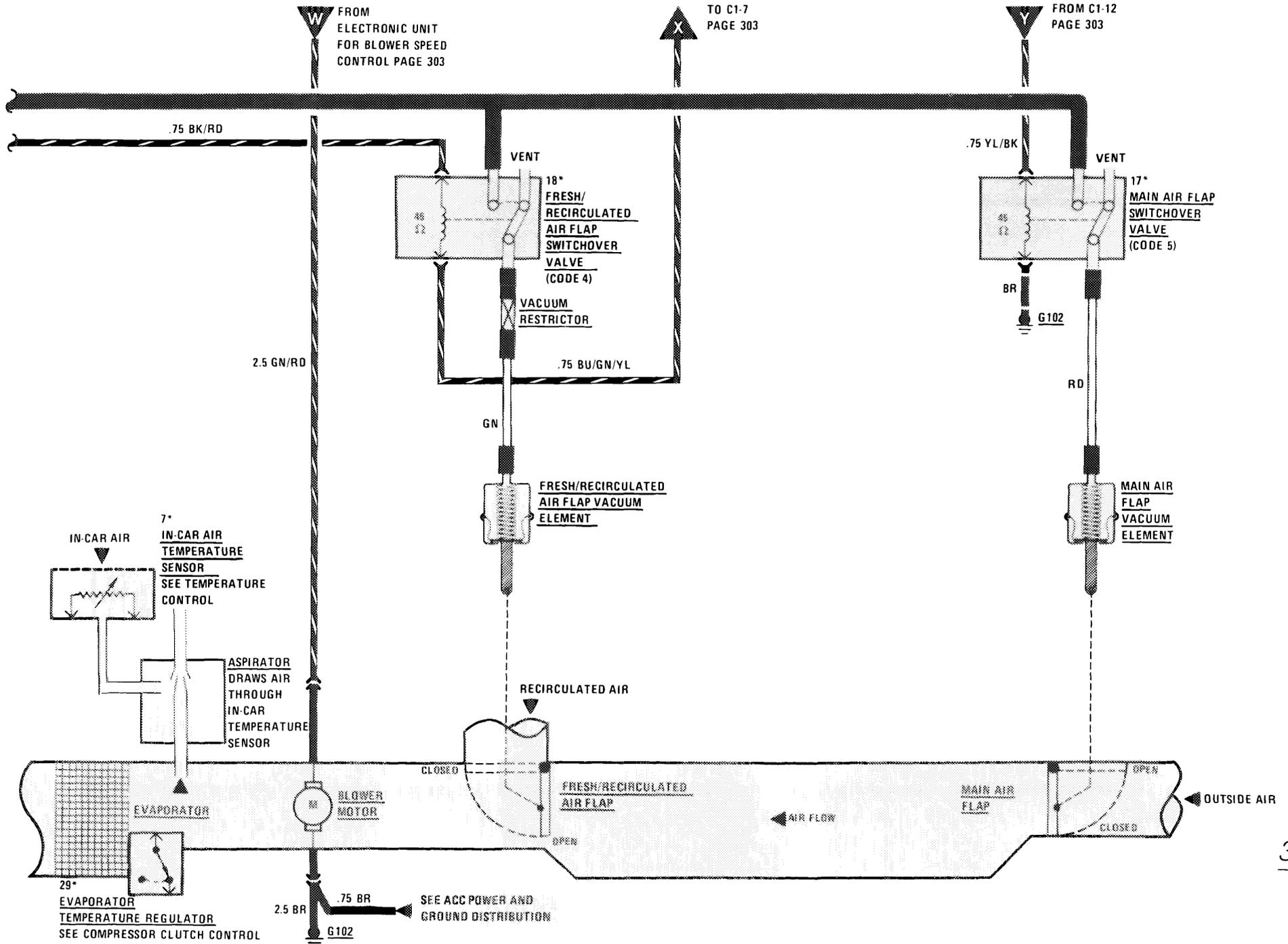
AIR DELIVERY (VACUUM)
(For Component Locations See Page 310)



AIR DELIVERY (VACUUM)

(For Component Locations See Page 310)

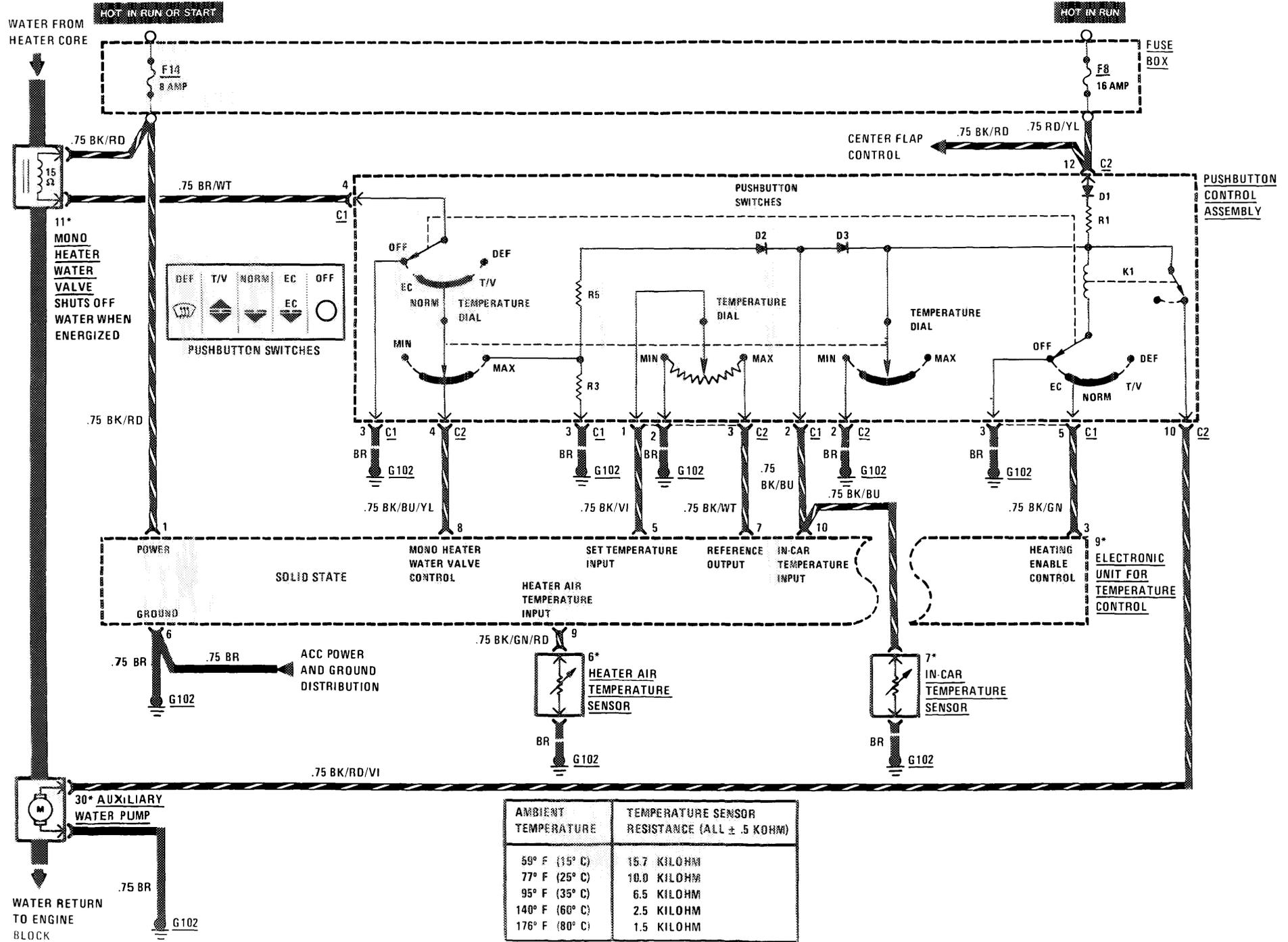
300 D/CD/TD



300 D/CD/TD

TEMPERATURE CONTROL

(For Component Locations See Page 310)

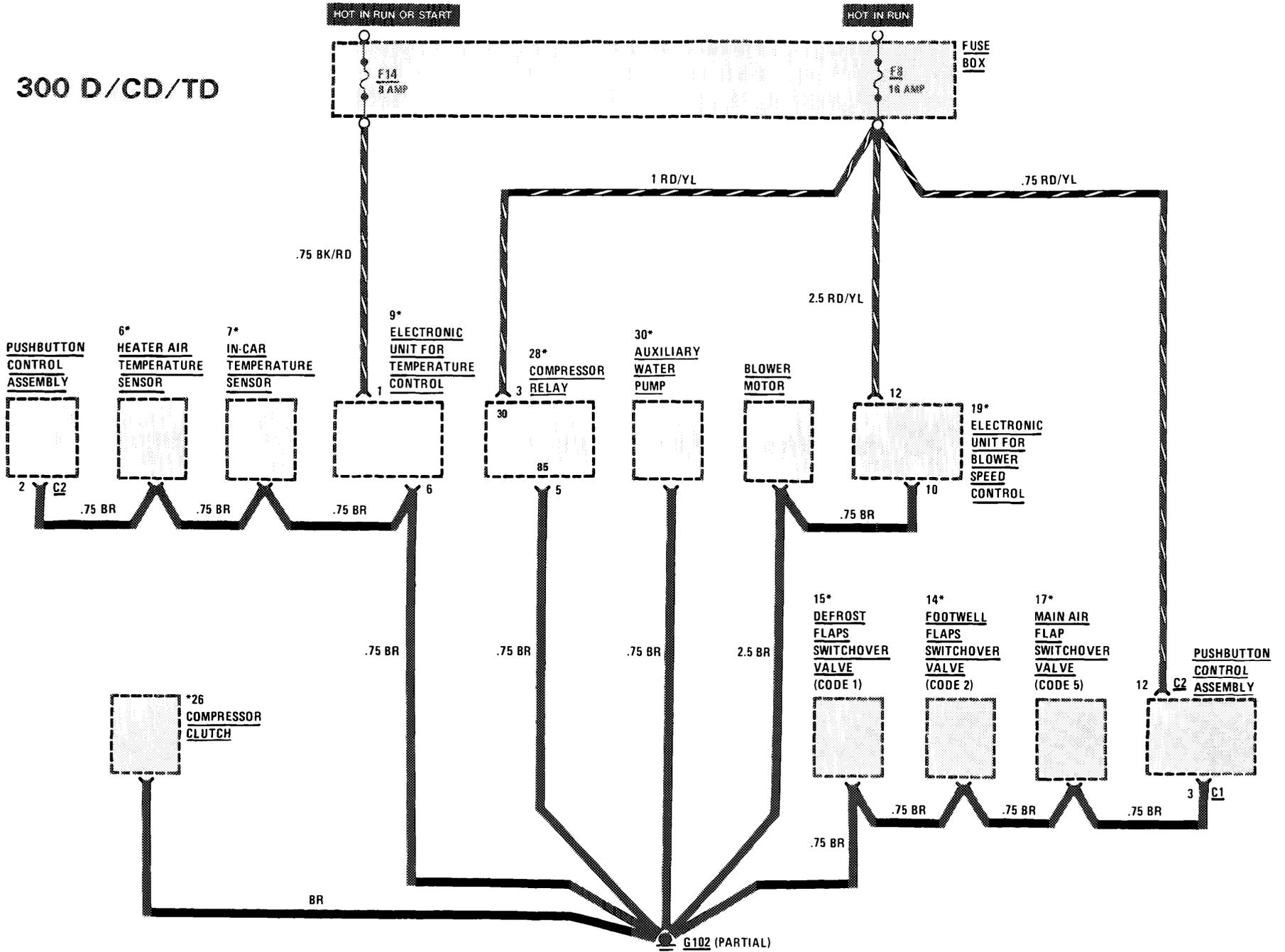


AMBIENT TEMPERATURE	TEMPERATURE SENSOR RESISTANCE (ALL ± .5 KOHM)
59° F (15° C)	15.7 KILOHM
77° F (25° C)	10.0 KILOHM
95° F (35° C)	6.5 KILOHM
140° F (60° C)	2.5 KILOHM
176° F (80° C)	1.5 KILOHM

306
ACC

AUTOMATIC CLIMATE CONTROL (ACC) POWER AND GROUND DISTRIBUTION

(For Component Locations See Page 310)



COMPONENT MODE TABLE

300 D/SD/TD

COMPONENTS	MODES											
	IGNITION	OFF 		TOTAL VENTILATION 			NORMAL 			ECONOMY 		DEFROST 
		OFF	(HEAT)	(COOL)	(HEAT)	(COOL)	(COOL at "MIN")	(HEAT)	(COOL)	(COOL at "MIN")	(HEAT)	(NO HEAT)
HEATER WATER VALVE	OPEN	CLOSED	CLOSED	CYCLING	CLOSED	CLOSED	CYCLING	CLOSED	CLOSED	CYCLING	CLOSED	OPEN
AUXILIARY WATER PUMP	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	ON
COMPRESSOR CLUTCH	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	ON
CENTER FLAP (Switchover valve code 3)	CLOSED	CLOSED	OPEN	CLOSED	OPEN	OPEN	CLOSED	OPEN	OPEN	CLOSED	OPEN	CLOSED
FOOTWELL FLAPS (Switchover valve code 2)	CLOSED	CLOSED	CLOSED	OPEN	OPEN	OPEN	OPEN	CLOSED	CLOSED	OPEN	CLOSED	CLOSED
DEFROST FLAPS (Switchover valve code 1)	FULLY OPEN	ALMOST CLOSED	FULLY CLOSED	FULLY OPEN	FULLY OPEN	FULLY OPEN	ALMOST CLOSED	FULLY CLOSED	FULLY CLOSED	ALMOST CLOSED	FULLY CLOSED	FULLY OPEN
MAIN AIR FLAP (Switchover valve code 5)	CLOSED	CLOSED	CLOSED	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
FRESH/IN-CAR AIR FLAP (Switchover valve code 4)	CLOSED	CLOSED	OPEN	CLOSED	OPEN	OPEN	CLOSED	OPEN	OPEN	CLOSED	CLOSED	CLOSED

COMPONENT LOCATIONS

300 D/SD/TD

AUTOMATIC CLIMATE CONTROL

Aspirator	Behind blower housing	
Auxiliary Water Pump	Behind RH headlights	312-2
Blower Motor	Under RH side of dash	
Blower Resistors	Forward of RH front wheel well	312-2
Center Flap Switchover		
Valve (Code 3)	In switchover valve group, third from left	312-3
Center Flap Vacuum Element	Top center of plenum	311-5
Cold Engine Lockout Switch	(300 D/CD/TD) RH side of engine	310-2
Compressor Relay	Top of LH front wheel well in relay box	310-1
Compressor Low Pressure		
Cut-Out Switch	Top of receiver-drier	312-2
Defrost Flaps Switchover		
Valve (Code 1)	In switchover valve group, far left	312-3
Defrost Flaps Vacuum		
Element	On LH side of plenum	312-5
Electronic Unit For		
Blower Speed Control	Above passenger's footwell	312-1
Electronic Unit For		
Temperature Control	Above passenger's footwell	312-1
Evaporator Temperature		
Regulator	Above passenger's footwell	312-6
Footwell Flaps Switchover		
Valve (Code 2)	In switchover valve group, second from left ..	312-3
Footwell Flaps Vacuum		
Element	On LH side of plenum	312-5
Fresh/Recirculated Air Flap		
Switchover Valve (Code 4) ..	In switchover valve group, fourth from left	312-3
Fresh/Recirculated Air		
Flap Vacuum Element	On plenum, behind RH side of glove box	312-4
Heater Air Temp. Sensor ...	Behind console	312-3
Mono Heater Water Valve	RH rear of engine compartment	311-1
In-Car Temperature Sensor ...	In header above rear view mirror	311-1
Main Air Flap		
Switchover Valve (Code 5) ..	In switchover valve group, far right	312-3
Main Air Flap		
Vacuum Element	On plenum, behind LH side of glove box	312-4
Switchover Valve Group	Behind console	312-3
C162 (1 pin, round)	RH side of engine	311-3
G102	Behind instrument cluster	311-2

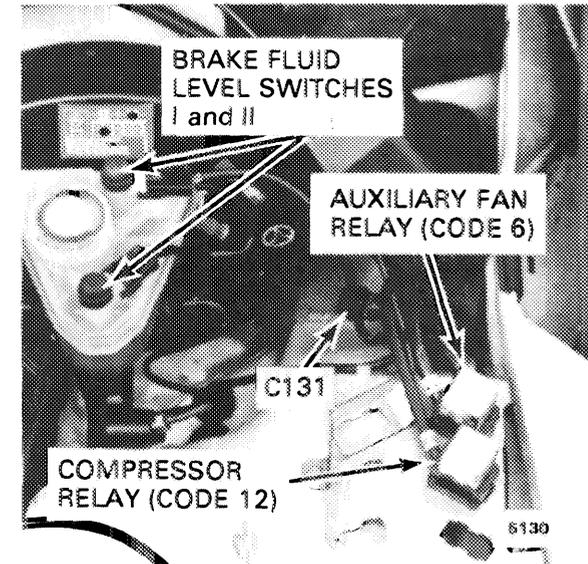


Figure 1 - LH Front Wheel Well

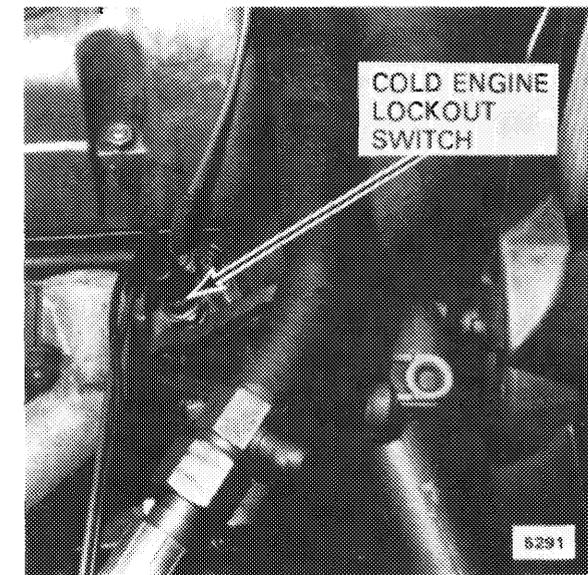


Figure 2 - Front RH Side of Engine

COMPONENT LOCATIONS

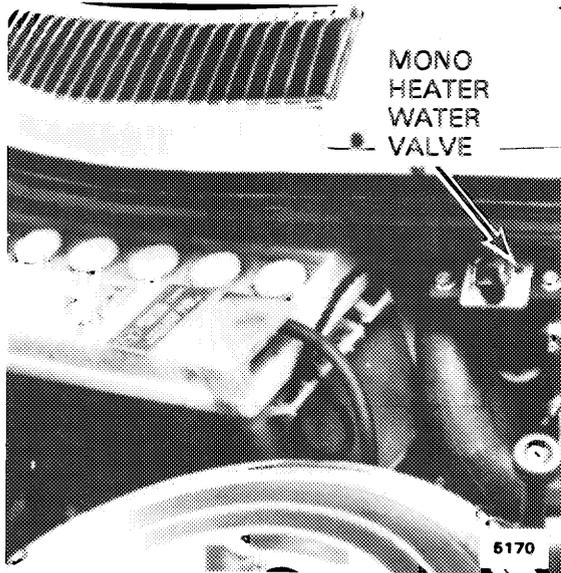


Figure 1 - Engine Compartment

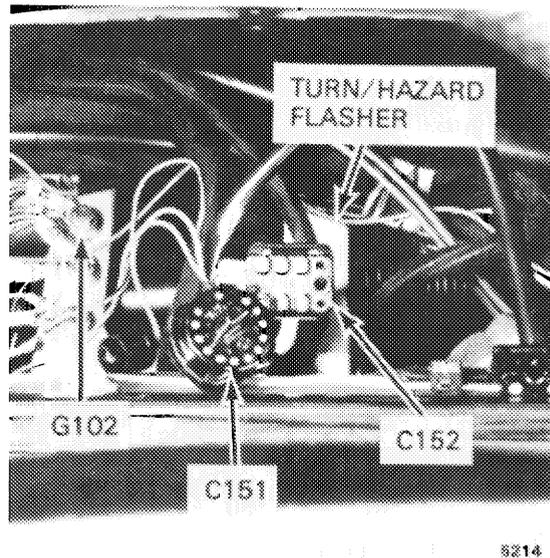


Figure 2 - Behind Instrument Cluster

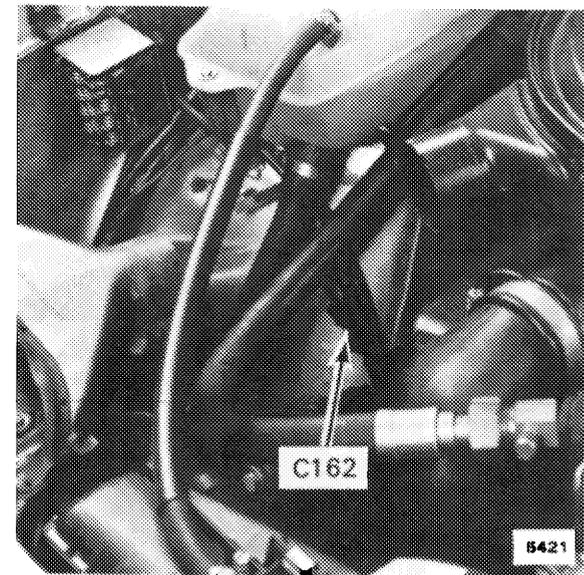
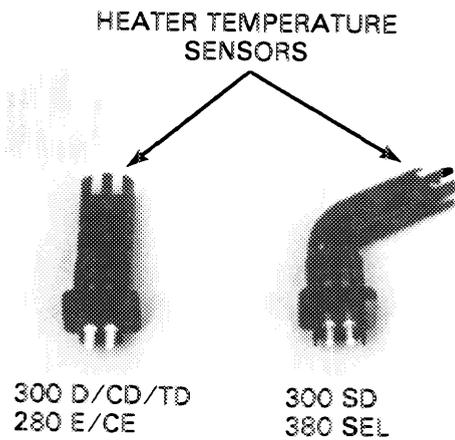


Figure 3 - LH Side Of Engine



5293

Figure 4 - Heater Air Sensor

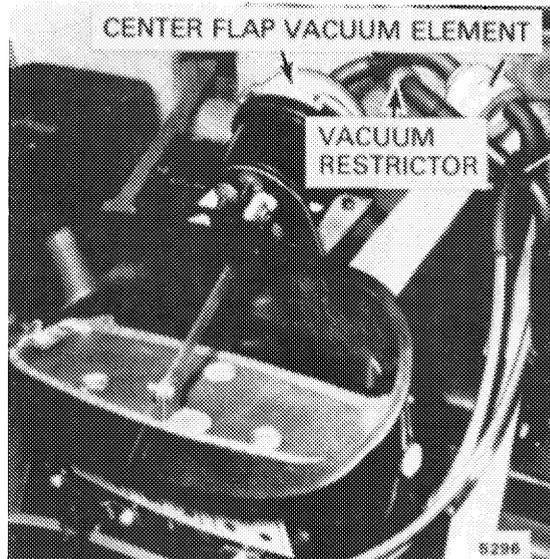


Figure 5 - Above Center Of Plenum

COMPONENT LOCATIONS

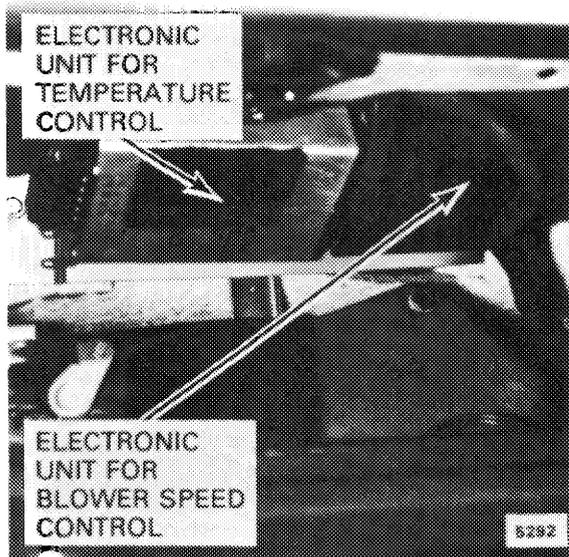


Figure 1 - Behind Glove Box

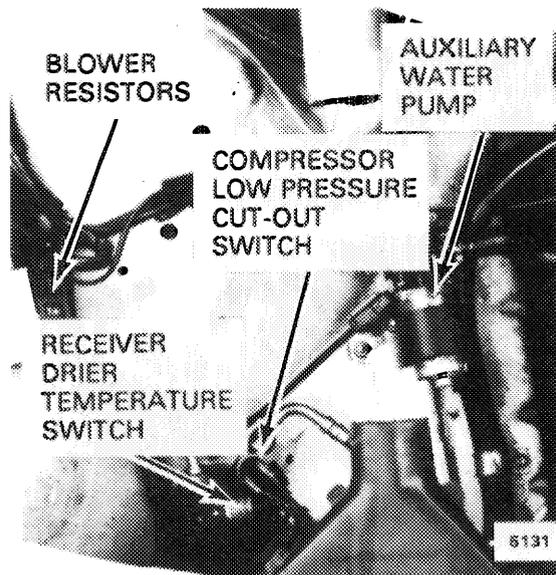


Figure 2 - RH Wheel Well

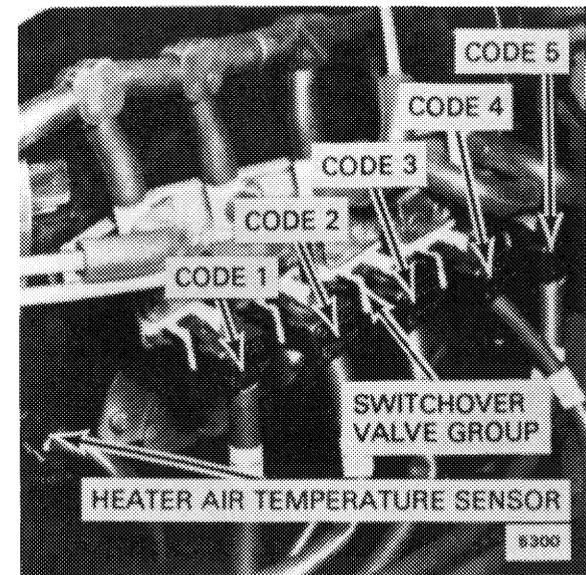


Figure 3 - In Console, Behind Pushbutton Control Assembly

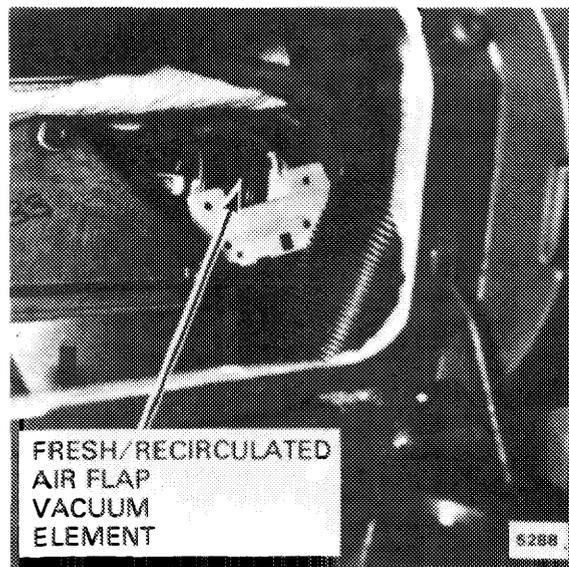


Figure 4 - Behind Glove Box

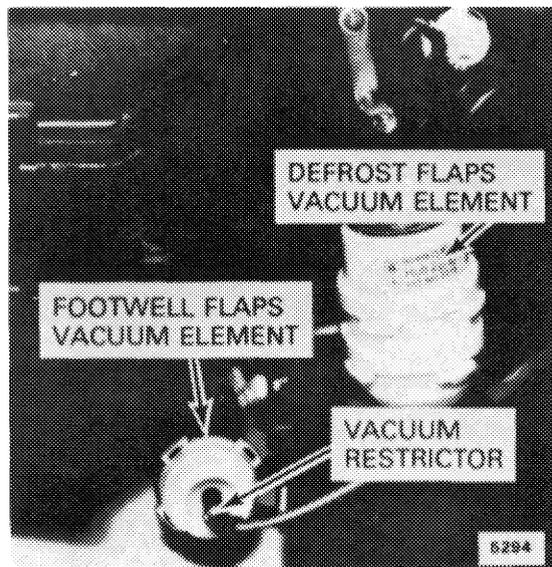


Figure 5 - On LH Side of Plenum

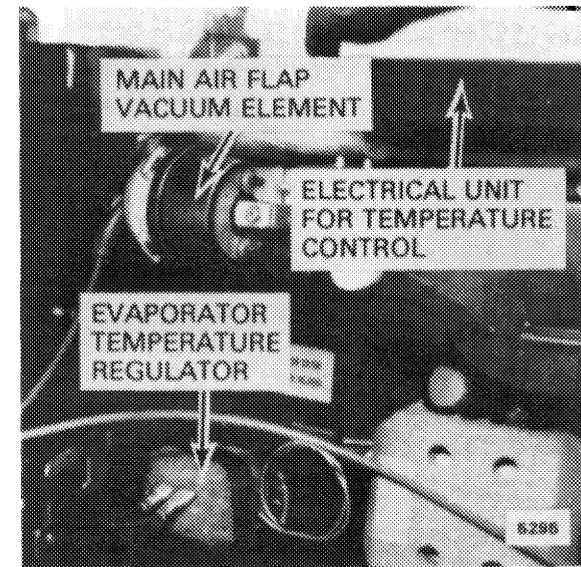
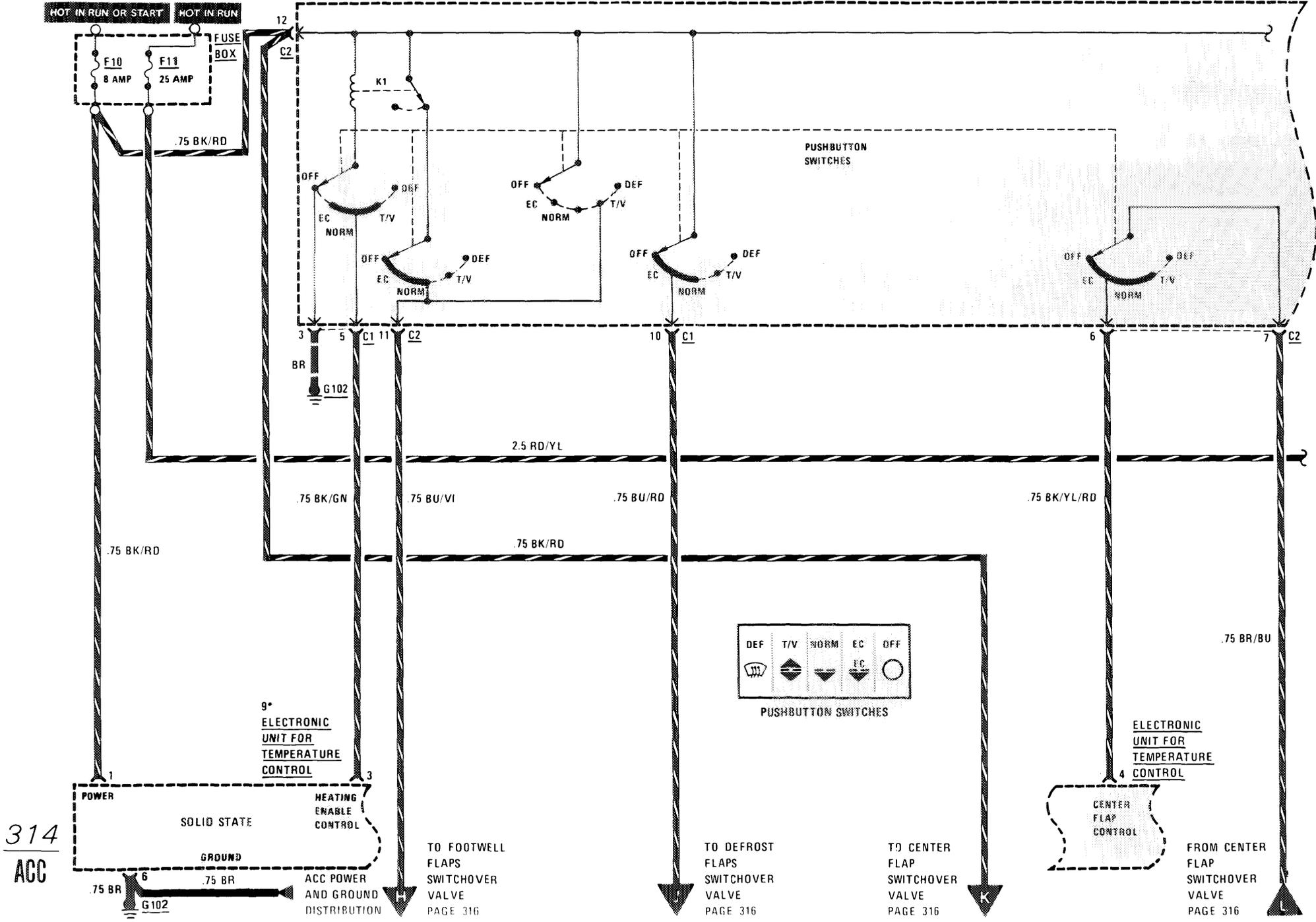


Figure 6 - Behind Glove Box

300 SD AND 380 SEL/SEC

AIR DELIVERY (ELECTRICAL) (For Component Locations See Page 323)

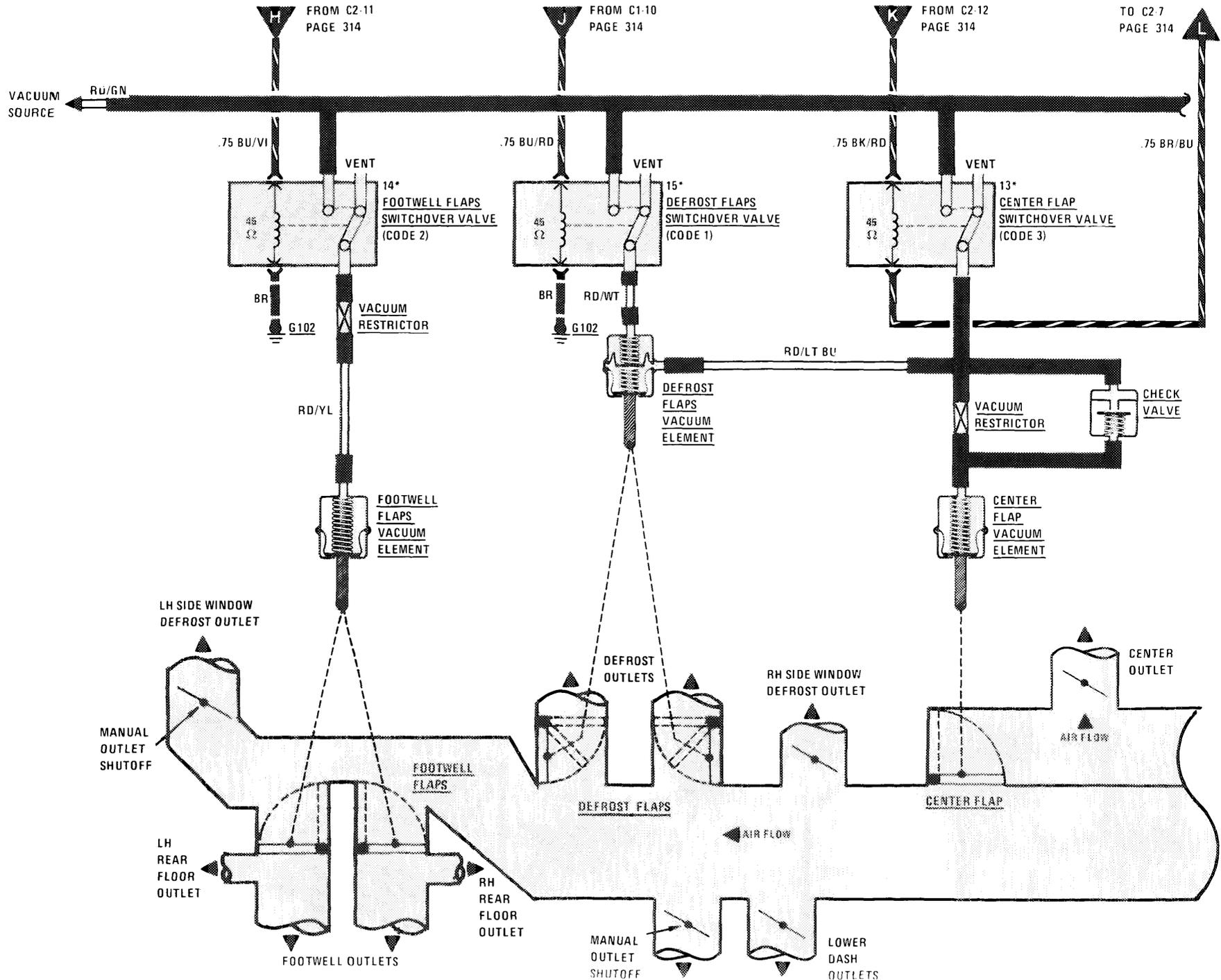
PUSHBUTTON CONTROL ASSEMBLY



314
ACC

300 SD AND 380 SEL/SEC

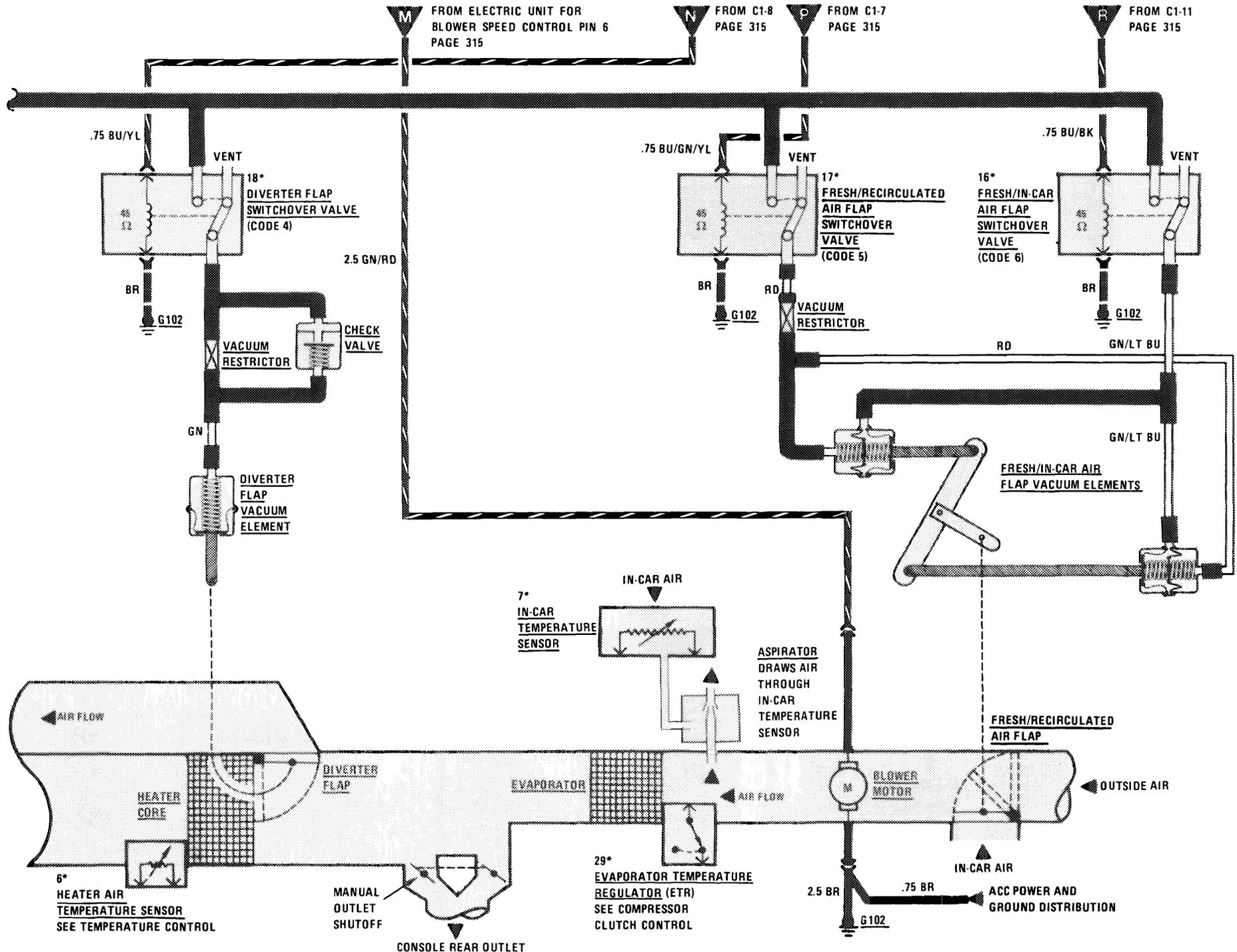
AIR DELIVERY (VACUUM) (For Component Locations See Page 323)



AIR DELIVERY (VACUUM)

(For Component Locations See Page 323)

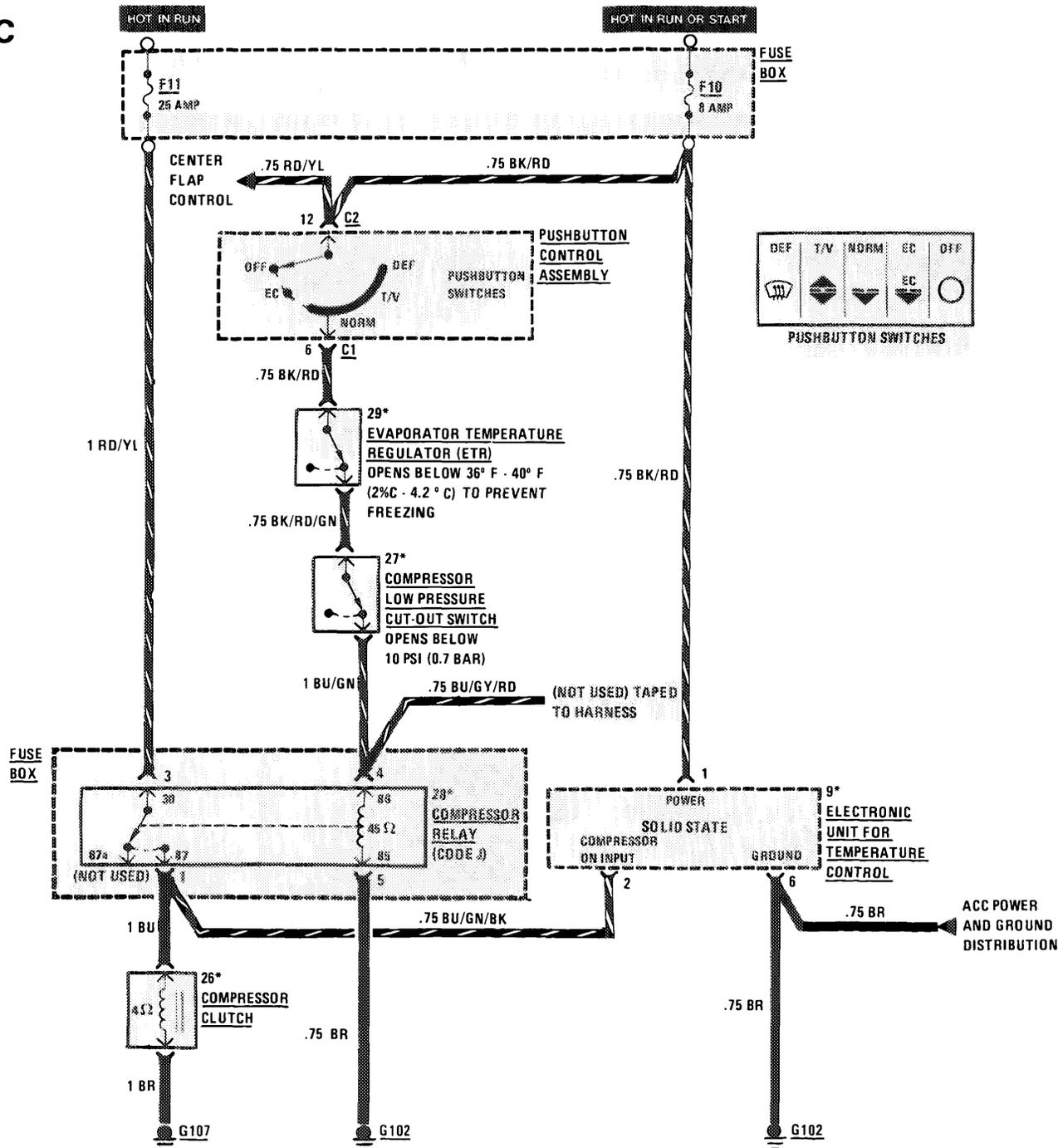
300 SD AND 380 SEL/SEC



COMPRESSOR CLUTCH CONTROL

(For Component Locations See Page 323)

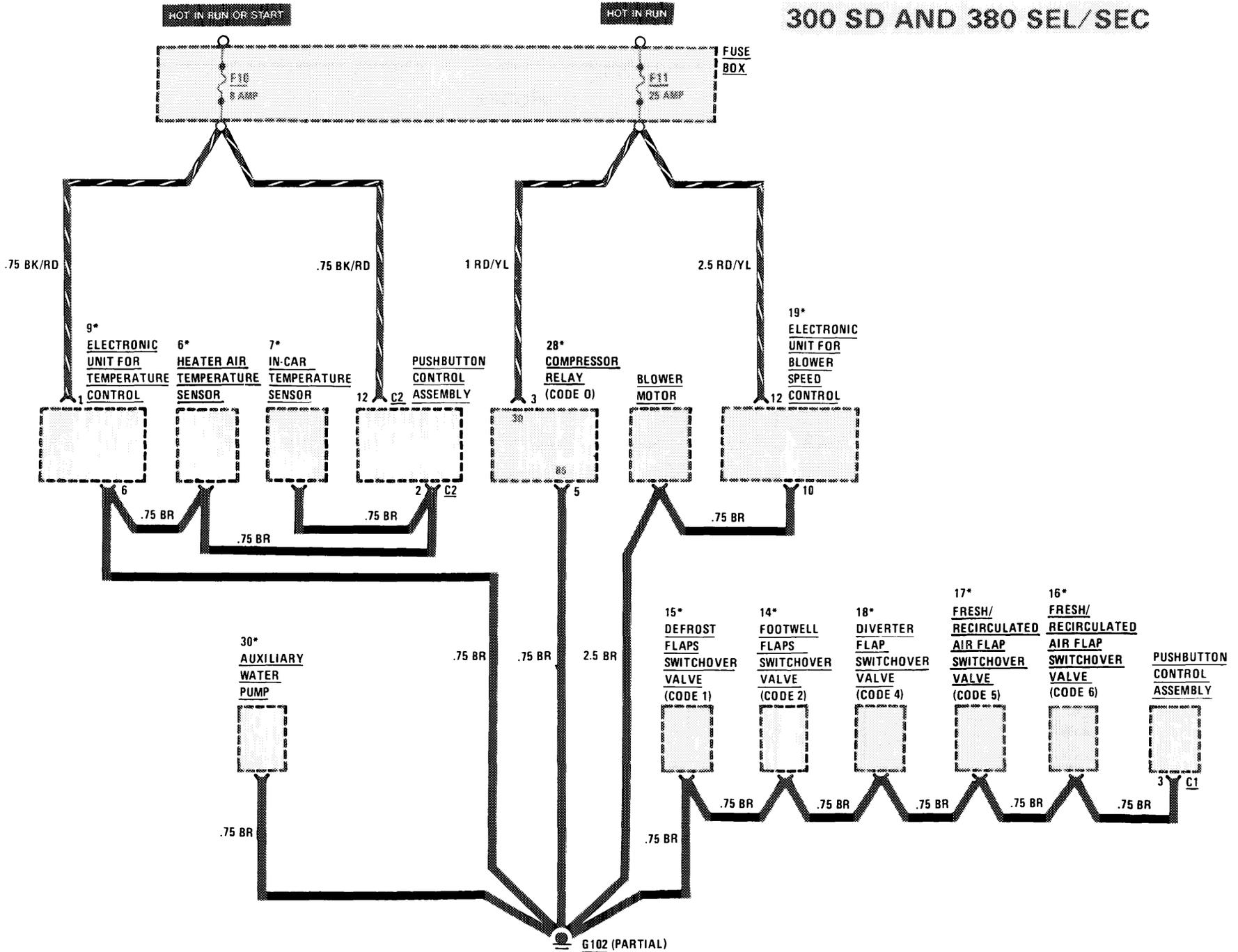
380 SEL/SEC



AUTOMATIC CLIMATE CONTROL (ACC) POWER AND GROUND DISTRIBUTION

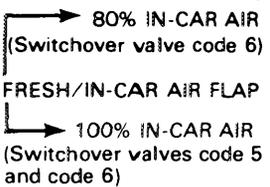
(For Component Locations See Page 322)

300 SD AND 380 SEL/SEC



COMPONENT MODE TABLE

300 SD AND 380 SEL/SEC

COMPONENTS	MODES											
	IGNITION	OFF 		TOTAL VENTILATION 			NORMAL 			ECONOMY 		DEFROST 
		OFF	(HEAT)	(COOL)	(HEAT)	(COOL)	(COOL at "MIN")	(HEAT)	(COOL)	(COOL at "MIN")	(HEAT)	
HEATER WATER VALVE	OPEN	CLOSED	CLOSED	CYCLING	CLOSED	CLOSED	CYCLING	CLOSED	CLOSED	CYCLING	CLOSED	OPEN
AUXILIARY WATER PUMP	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	ON
COMPRESSOR CLUTCH	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	ON
CENTER FLAP (Switchover valve code 3)	CLOSED	CLOSED	OPEN	CLOSED	OPEN	OPEN	CLOSED	OPEN	OPEN	CLOSED	OPEN	CLOSED
FOOTWELL FLAPS (Switchover valve code 2)	CLOSED	CLOSED	CLOSED	OPEN	OPEN	OPEN	OPEN	CLOSED	CLOSED	OPEN	CLOSED	CLOSED
DEFROST FLAPS (Switchover valve code 1)	FULLY OPEN	FULLY OPEN	ALMOST CLOSED	FULLY OPEN	FULLY OPEN	FULLY OPEN	ALMOST CLOSED	FULLY CLOSED	FULLY CLOSED	ALMOST CLOSED	FULLY CLOSED	FULLY OPEN
 80% IN-CAR AIR (Switchover valve code 6) FRESH/IN-CAR AIR FLAP 100% IN-CAR AIR (Switchover valves code 5 and code 6)	0% RECIRC			0% RECIRC	80% RECIRC	80% RECIRC	0% RECIRC	80% RECIRC	80% RECIRC	0% RECIRC	1. 80% RECIRC 2. 0% RECIRC	0% RECIRC
DIVERTER FLAP (Switchover flap code 4)	CLOSED	CLOSED	OPEN	CLOSED	OPEN	OPEN	CLOSED	OPEN	OPEN	CLOSED	OPEN	CLOSED

COMPONENT LOCATIONS

300 SD AND 380 SEL/SEC

AUTOMATIC CLIMATE CONTROL

Aspirator	Behind blower housing	
Auxiliary Water Pump	Under heater water valve	324-4
Blower Resistors	Below power brake booster	
Center Flap Switchover		
Valve (Code 3)	In switchover valve group, third from top	324-5
Center Flap Vacuum Element	On plenum, behind pushbutton control assembly	324-5
Cold Engine Lockout Switch	Top RH front of engine (300 SD)	310-2
	Top LH rear of engine (380 SEL/SEC)	324-6
Compressor Low Pressure		
Cut-Out Switch	Receiver drier, behind LH headlights	
Compressor Relay (Code 3)....	In fuse box	100-1
Defrost Flaps Switchover		
Valve (Code 1)	In switchover valve group, top	324-4
Defrost Flaps Vacuum		
Element	On plenum, to right of center outlet	322-2
Diverter Flap Switchover		
Valve (Code 4)	In switchover valve group, fourth from top	324-5
Diverter Flap Vacuum		
Element	On LH side of plenum	324-3
Electronic Unit For		
Blower Speed Control	Above passenger's footwell	323-2
Electronic Unit For		
Temperature Control	Above passenger's footwell	324-2
Evaporator Temperature		
Regulator	LH side of plenum, above driver's footwell	324-5
Footwell Flaps Switchover		
Valve (Code 2)	In switchover valve group, second from top ...	324-5
Footwell Flaps Vacuum		
Element	On plenum, behind pushbutton control assembly	323-2
Fresh/Recirculated Air Flap		
Vacuum Elements	On plenum, above blower motor	324-5
Fresh/Recirculated		
Switchover Valve (Code 5)	In switchover valve group, fifth from top	324-5
Fresh/In-Car Air		
Switchover Valve (Code 6) ..	In switchover valve group, bottom	324-5
Heater Temperature Air Sensor	In heater housing, behind console	311-4
Mono Heater Water Valve	To left of battery	323-4
In-Car Temperature Sensor.	Top of instrument panel	311-1
Switchover Valve Group	Behind pushbutton control assembly	323-5
G102	Behind instrument cluster	311-2
G107	Behind LH headlights	

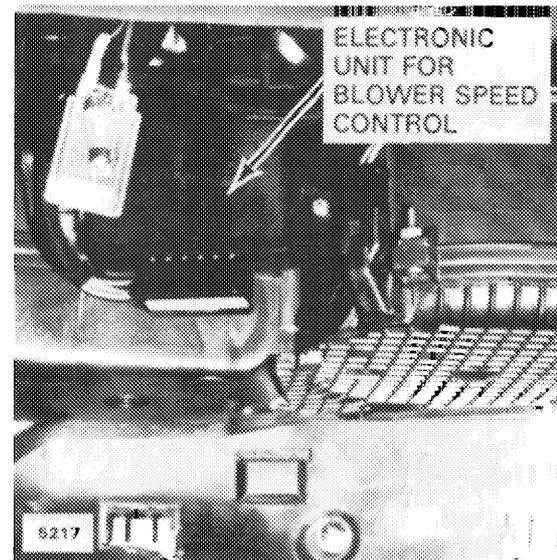


Figure 1 - Above Passenger's Footwell

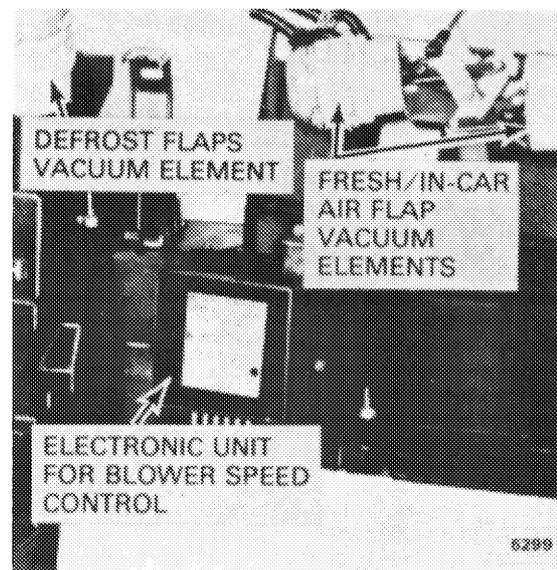


Figure 2 - Behind Glove Box

COMPONENT LOCATIONS

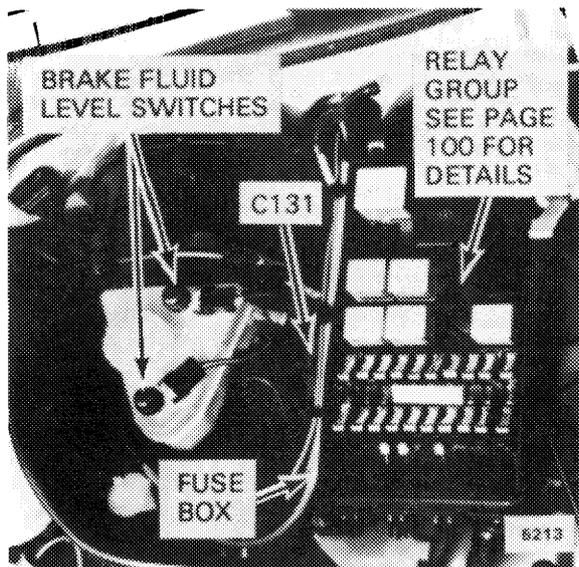


Figure 1 - LH Rear Corner Of Engine Compartment

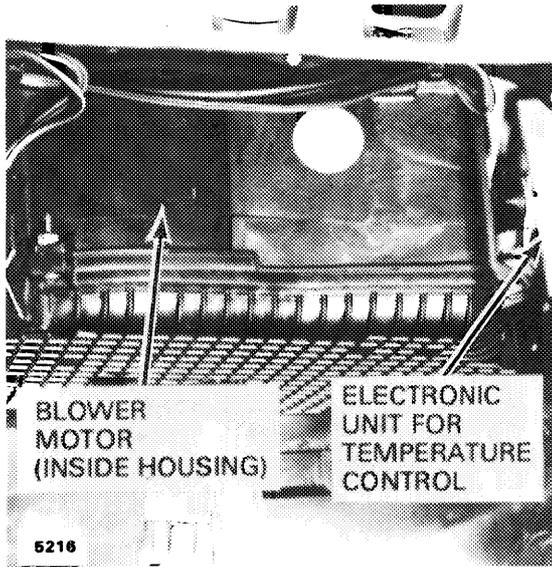


Figure 2 - Above Passenger's Footwell

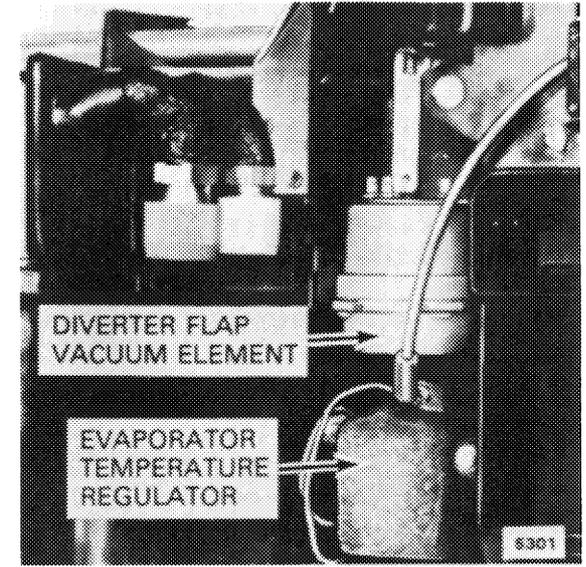


Figure 3 - LH Side Of Plenum, Above Driver's Footwell

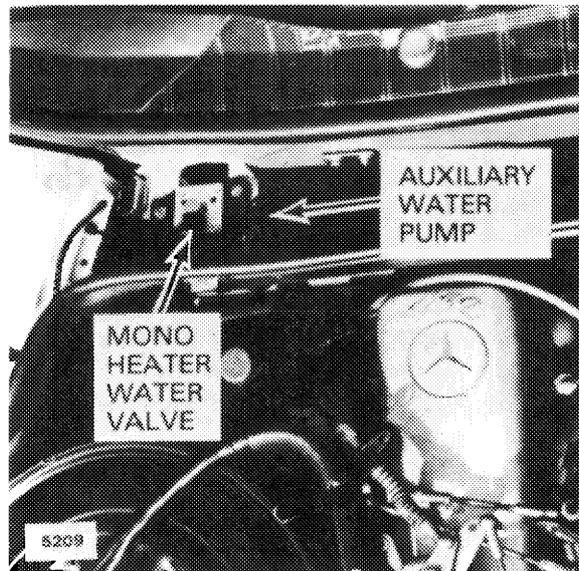


Figure 4 - RH Rear Of Engine Compartment

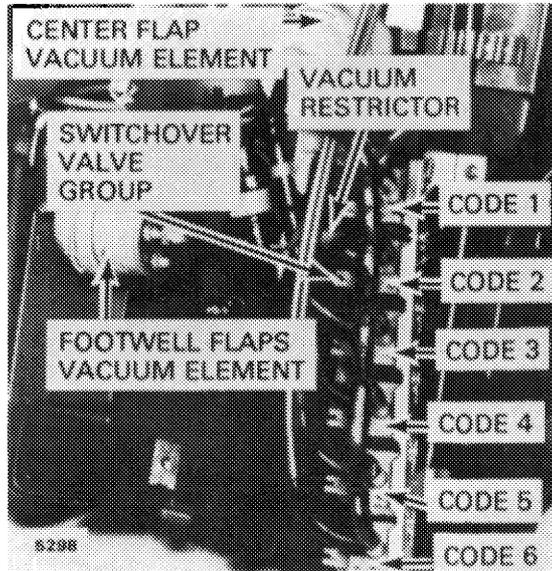


Figure 5 - In Console, Behind Pushbutton Control Assembly

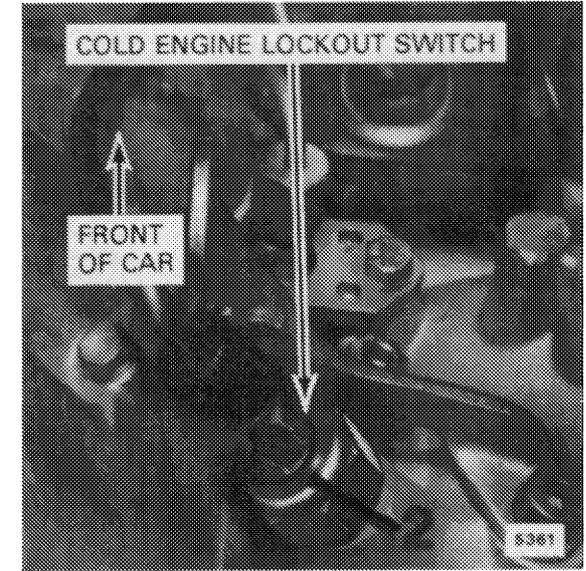


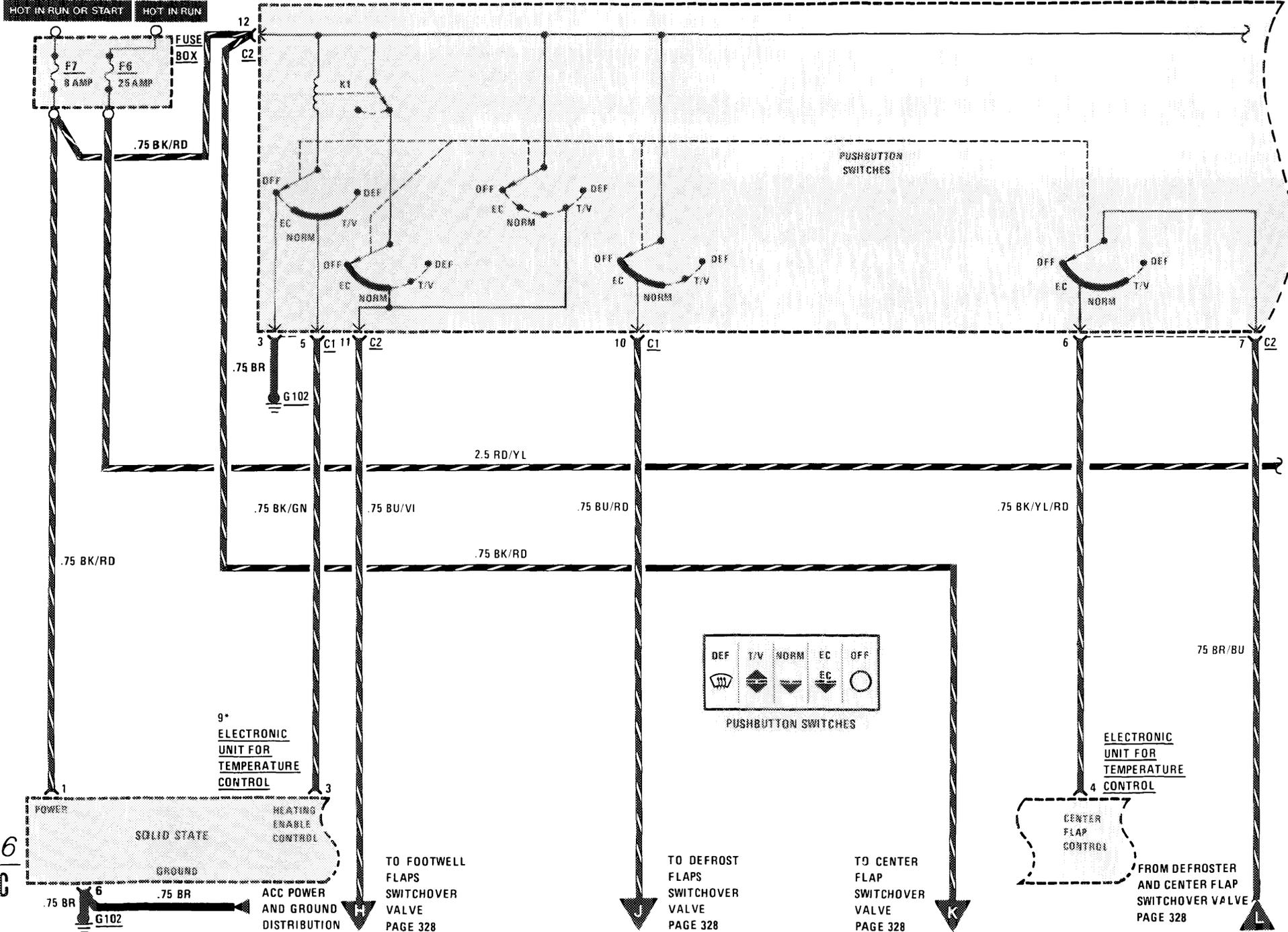
Figure 6 - Top LH Rear of Engine (Gasoline)

AIR DELIVERY (ELECTRICAL)

(For Component Locations See Page 334)

380 SL

PUSHBUTTON CONTROL ASSEMBLY

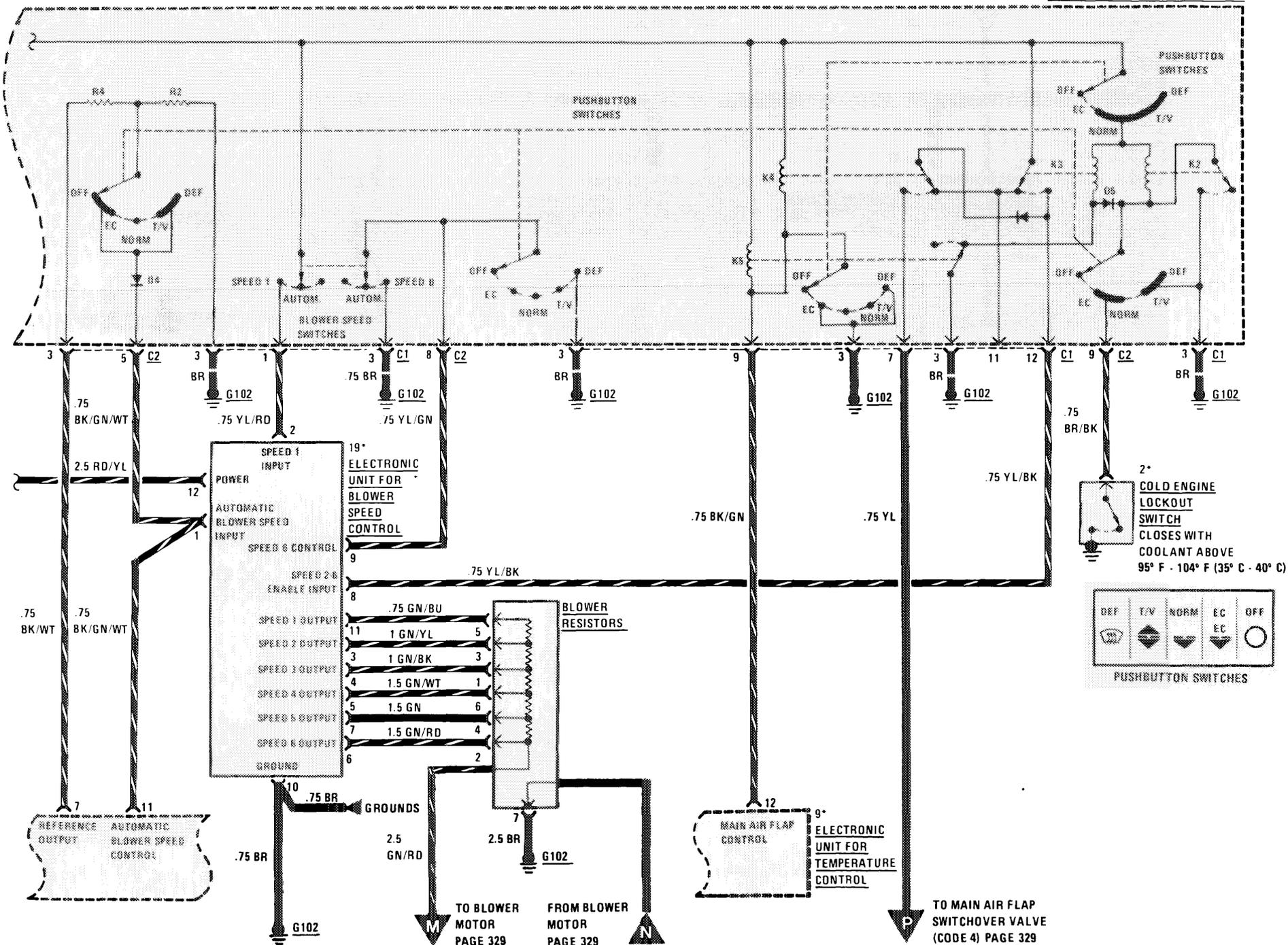


AIR DELIVERY (ELECTRICAL)

(For Component Locations See Page 334)

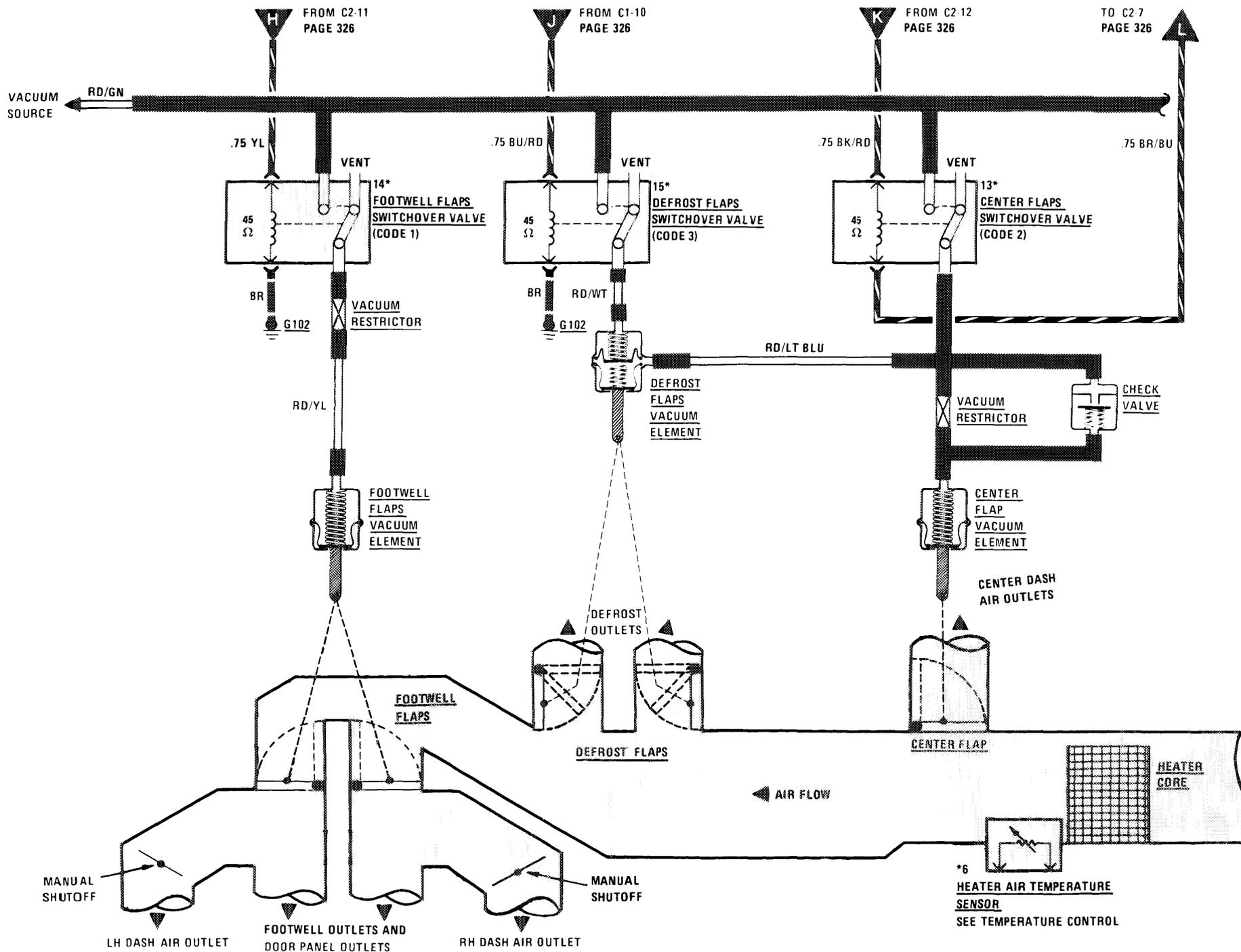
380 SL

PUSHBUTTON CONTROL ASSEMBLY



AIR DELIVERY (VACUUM)

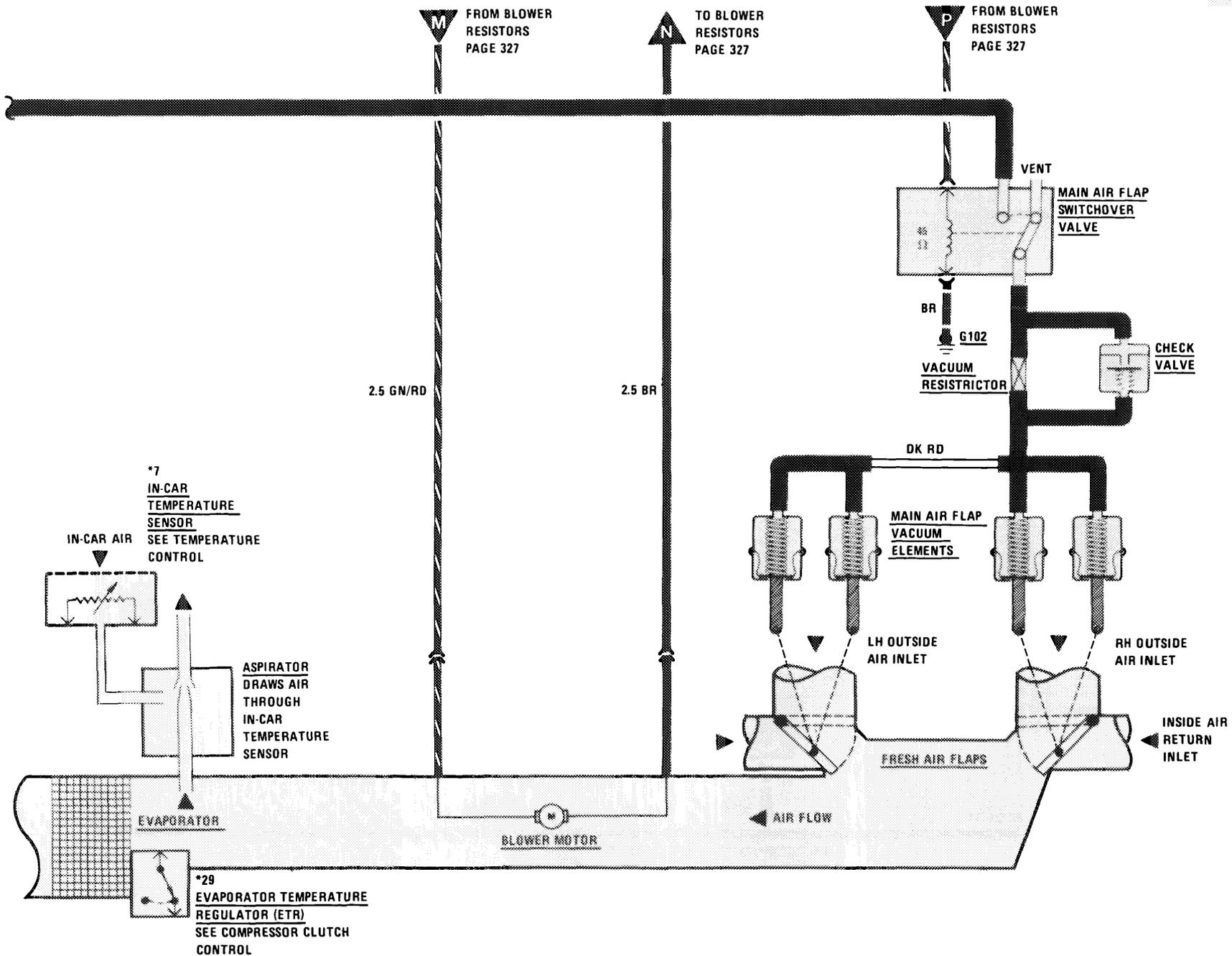
(For Component Locations See Page 334)



AIR DELIVERY (VACUUM)

(For Component Locations See Page 334)

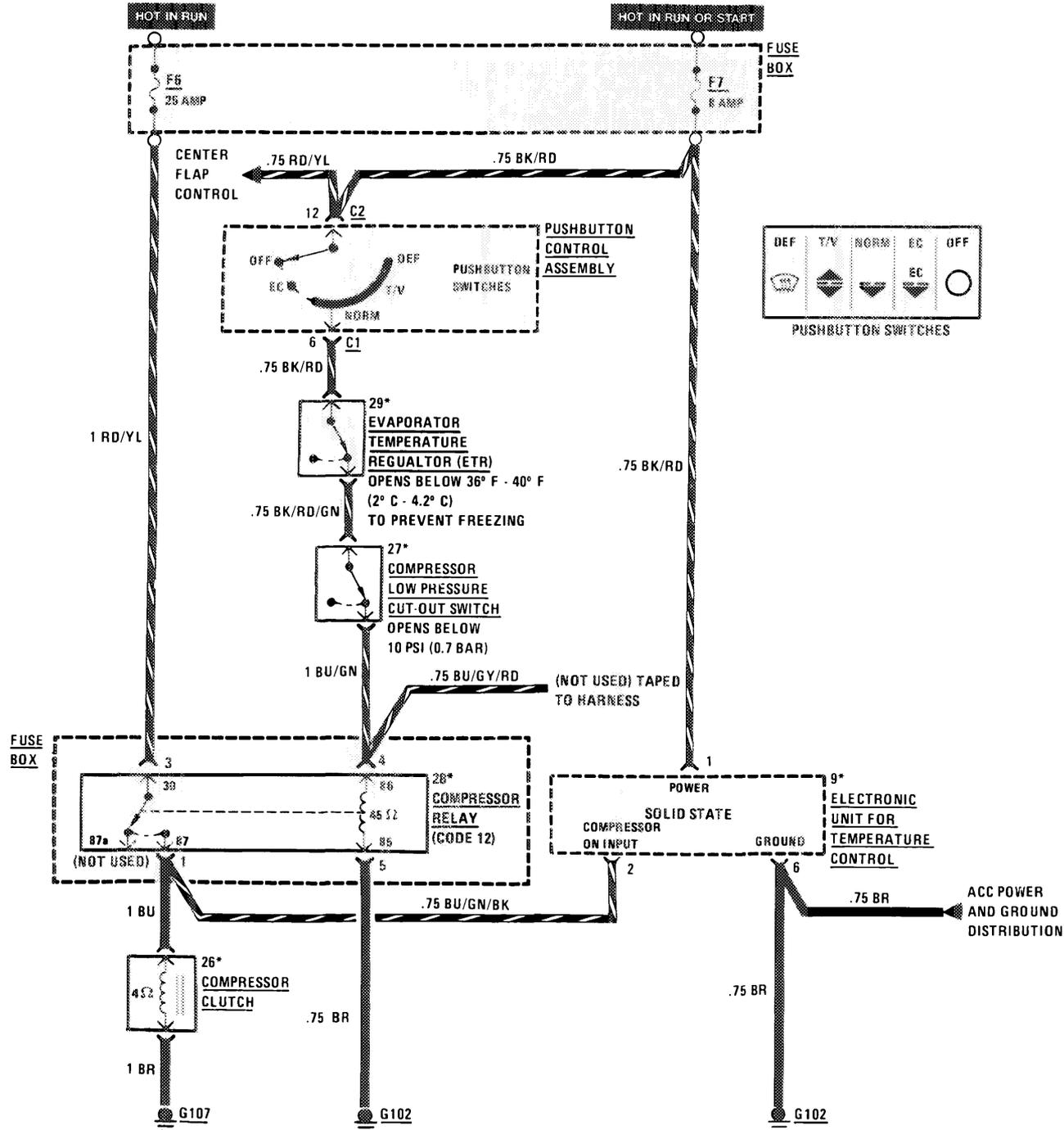
380 SL



COMPRESSOR CLUTCH CONTROL

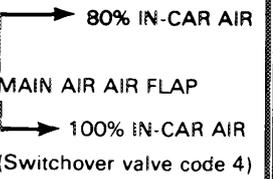
(For Component Locations See Page 334)

380 SL



COMPONENT MODE TABLE

380 SL

COMPONENTS	MODES											
	IGNITION	OFF 		TOTAL VENTILATION 			NORMAL 			ECONOMY 		DEFROST 
		OFF	(HEAT)	(COOL)	(HEAT)	(COOL)	(COOL at "MIN")	(HEAT)	(COOL)	(COOL at "MIN")	(HEAT)	
HEATER WATER VALVE	OPEN	CLOSED	CLOSED	CYCLING	CLOSED	CLOSED	CYCLING	CLOSED	CLOSED	CYCLING	CLOSED	OPEN
AUXILIARY WATER PUMP	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	ON
COMPRESSOR CLUTCH	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	ON
CENTER FLAP (Switchover valve code 2)	CLOSED	CLOSED	OPEN	CLOSED	OPEN	OPEN	CLOSED	OPEN	OPEN	CLOSED	OPEN	CLOSED
FOOTWELL FLAPS (Switchover valve code 1)	CLOSED	CLOSED	CLOSED	OPEN	OPEN	OPEN	OPEN	CLOSED	CLOSED	OPEN	CLOSED	CLOSED
DEFROST FLAPS (Switchover valve code 3)	FULLY OPEN	FULLY OPEN	ALMOST CLOSED	FULLY OPEN	FULLY OPEN	FULLY OPEN	ALMOST CLOSED	FULLY CLOSED	FULLY CLOSED	ALMOST CLOSED	FULLY CLOSED	FULLY OPEN
 MAIN AIR AIR FLAP 80% IN-CAR AIR 100% IN-CAR AIR (Switchover valve code 4)	0% RECIRC	100% RECIRC	100% RECIRC	0% RECIRC	80% RECIRC	80% RECIRC	0% RECIRC	80% RECIRC	80% RECIRC	0% RECIRC	1. 80% RECIRC 2. 0% RECIRC	0% RECIRC

COMPONENT LOCATIONS

380 SL

AUTOMATIC CLIMATE CONTROL

Aspirator	On RH side of heater housing	336-3
Auxiliary Water Pump	RH rear of engine compartment	334-2
Blower Resistors	RH side of fresh air inlet	335-1
Center Flap Switchover		
Valve (Code 2)	In switchover valve group, third from left	335-2
Center Flap Vacuum Element	On plenum near center outlet	335-3
Cold Engine Lockout Switch	RH front of engine	335-4
Compressor Low Pressure		
Cut-Out Switch	Receiver drier behind LH headlight	335-5
Compressor Relay (Code 12)	Fuse box	100-1
Defrost Flaps Switchover		
Valve (Code 3)	In switchover valve group, second from left ...	335-2
Defrost Flaps Vacuum		
Element	On plenum near center outlet	335-3
Electronic Unit for		
Blower Speed Control	Behind glove box	335-6
Electronic Unit for		
Temperature Control	Behind glove box	335-6
Evaporator Temperature		
Regulator	On RH side of heater housing	334-1
Footwell Flap Switchover		
Valve (Code 1)	In switchover valve group, fourth from left ...	335-2
Footwell Flaps Vacuum		
Element	In plenum	336-1
Main Air Flap Vacuum		
Elements	Behind glove box	335-2
Main Air Flap Switchover		
Valve (Code 4)	In switchover valve group, first from left	335-2
Heater Air Temperature		
Sensor	In plenum	336-1
Mono Heater Water Valve ...	RH rear engine compartment	334-2
In-Car Temperature Sensor ...	Top of instrument panel	336-2
Switchover Valve Group	Behind glove box	334-2
G102	Behind instrument cluster	
G107	Behind LH headlights	204-1



Figure 1 - RH side of Heater Housing

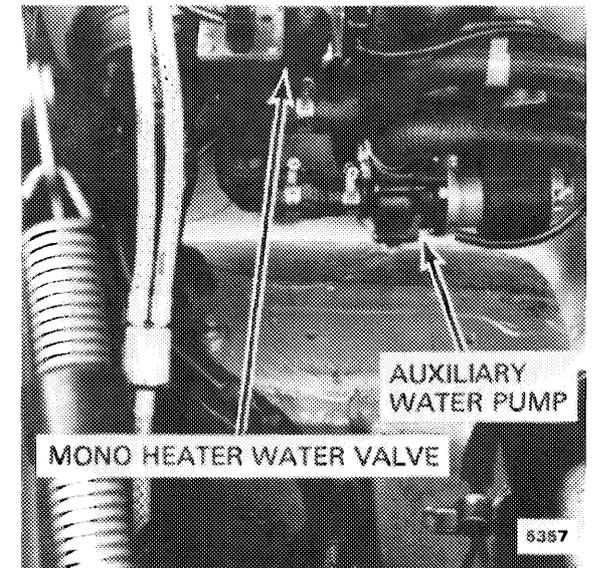


Figure 2 - RH Rear of Engine Compartment

COMPONENT LOCATIONS

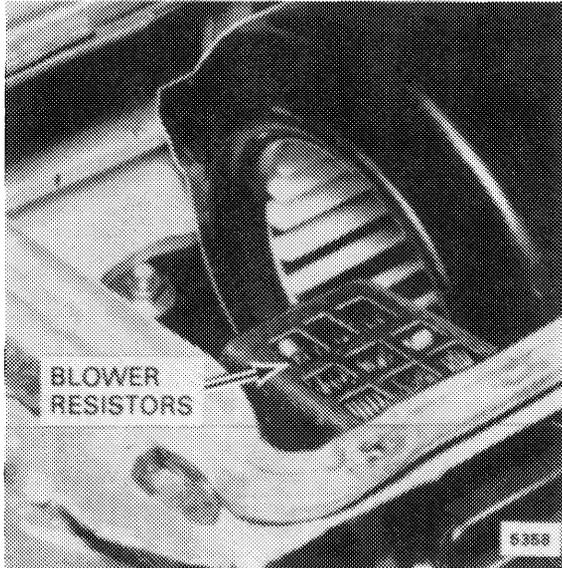


Figure 1 - RH Side of Fresh Air Inlet

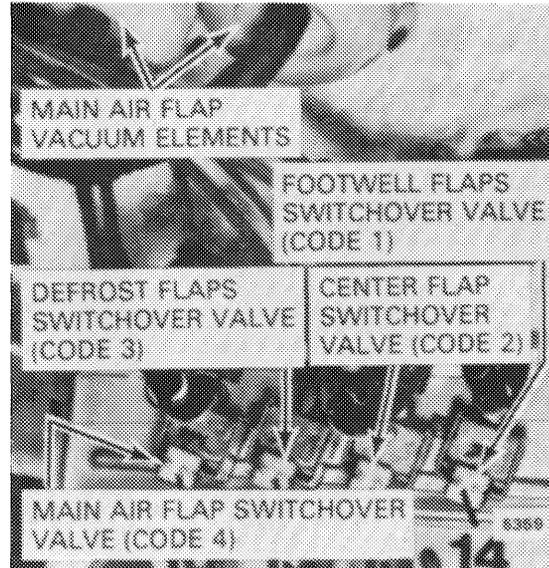


Figure 2 - Behind Console

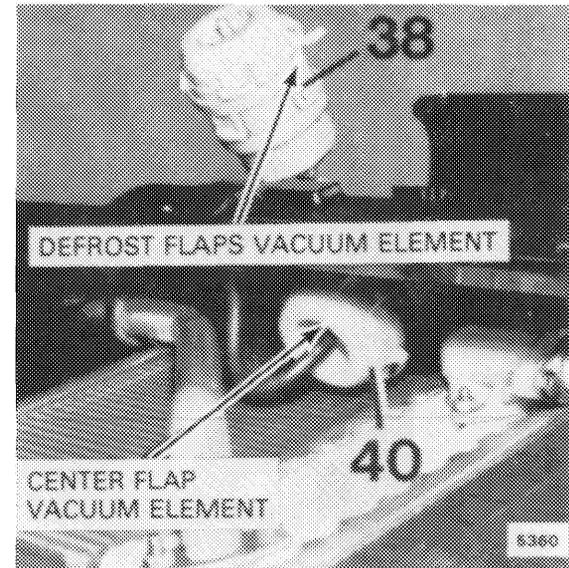


Figure 3 - Behind Console

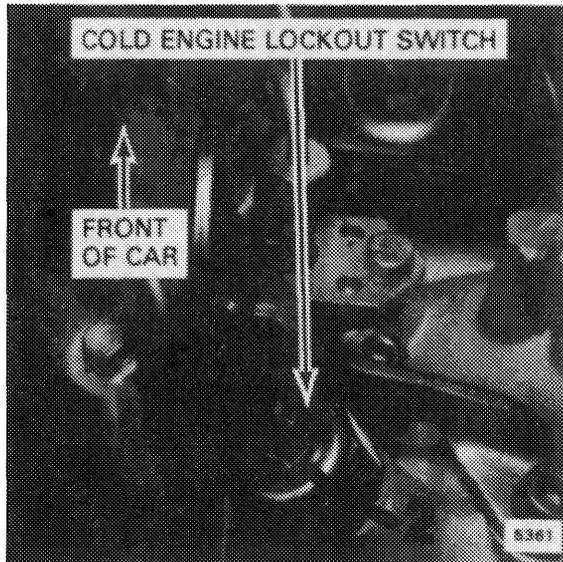


Figure 4 - Top LH Rear of Engine



Figure 5 - Front of Radiator

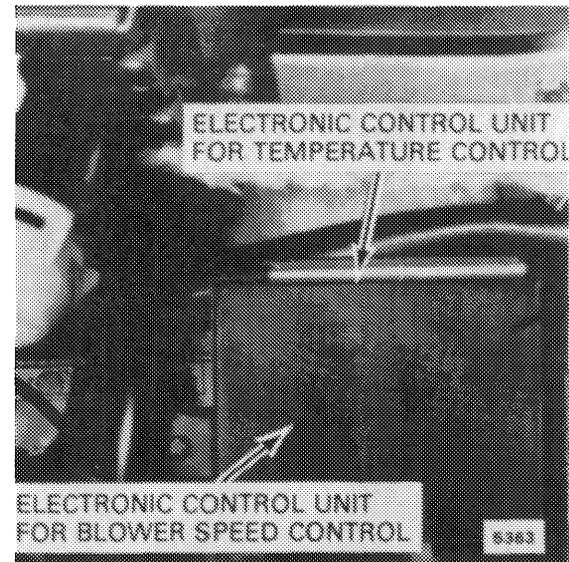


Figure 6 - Behind Glove Box

COMPONENT LOCATIONS

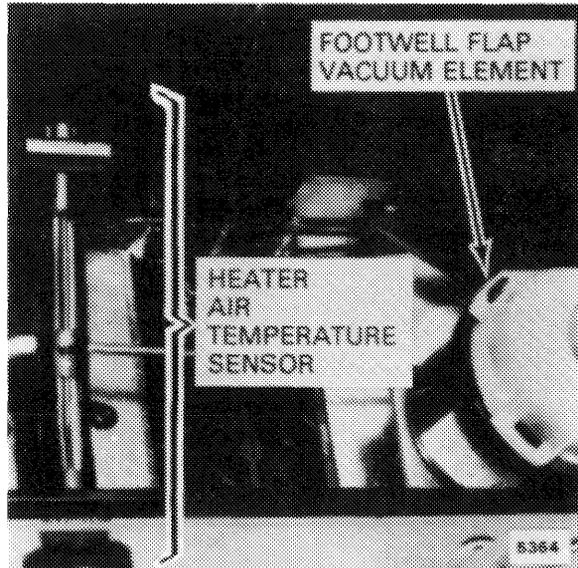


Figure 1 - Behind Console Inside Plenum

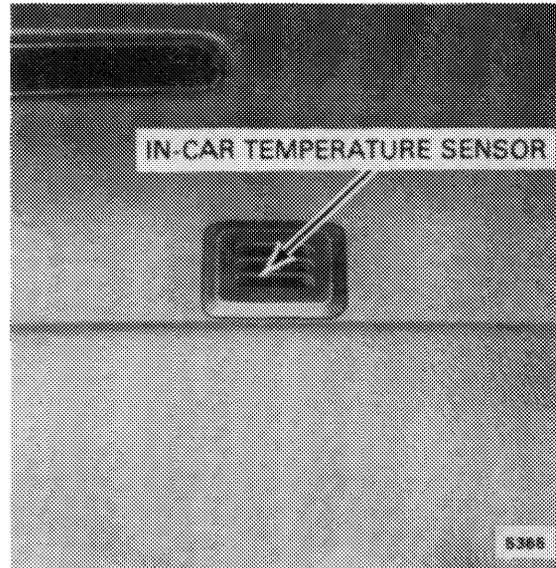


Figure 2 - On Top of Instrument Panel

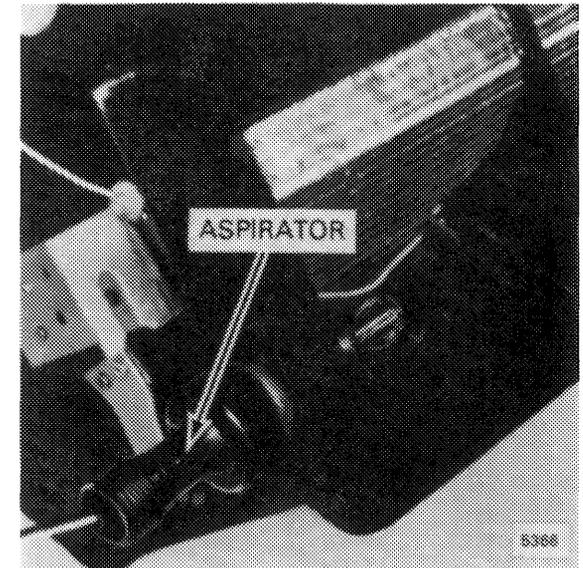


Figure 3 - RH Side of Heater Housing

