

FORD VACUUM DIAGRAMS

FORD MOTOR CO. VACUUM DIAGRAM INDEX			
Engine & Model	Transmission	Calibration No.	Fig. No.
4.9L (300") 6-Cylinder			
Federal			
F100	Man.	1-51D-R0	1
F100	Man.	1-51D-R10	4
F100/150	Man.	1-51G-R0	2
F100/150	Man.	1-51G-R10	4
F100/150	Man.	1-51H-R0	2
F100/150	Auto.	1-52G-R0	5
F100/150	Auto.	1-52G-R10	6
F100/150	Auto.	1-52H-R0	5
F100/150	Auto.	1-52H-R10	6
F250	Man.	1-51E-R0	1
F250	Man.	1-51E-R10	4
F250	Man.	1-51F-R0	1
F250	Man.	1-51F-R10	4
F250	Auto.	1-52L-R0	6
F250	Auto.	1-52L-R10	6
Bronco	Man.	1-51F-R0	1
Bronco	Man.	1-51F-R10	4
Bronco	Man.	1-51G-R0	2
Bronco	Man.	1-51G-R10	4
E100/150	Man.	1-51K-R0	3
E100/150	Man.	1-51K-R10	4
E100/250	Man.	1-51L-R0	3
E100/250	Man.	1-51L-R10	4
E100/150	Auto.	1-52K-R0	5
E100/150	Auto.	1-52K-R10	6
E100/250	Auto.	1-52L-R0	6
E100/250	Auto.	1-52L-R10	6
Calif.			
F100/150	Man.	1-51S-R0	7
F100/150	Man.	1-51S-R10	8
F100	Auto.	1-52S-R0	8
E100/150	Man.	1-51T-R0	8
E100/250	Auto.	1-52T-R0	8
4.2L (255") V8			
Federal			
F100	Man.	1-57G-R0	9
F100	Man.	1-57G-R10	10
F100	Auto.	1-58G-R0	11

FORD VACUUM DIAGRAMS (Cont.)

FORD MOTOR CO. VACUUM DIAGRAM INDEX			
Engine & Model	Transmission	Calibration No.	Fig. No.
5.0L (302") V8			
Federal			
F100/150	Man.	1-53G-R0	12
F100/150	Man.	1-53G-R10	13
F100/150	Man.	1-53G-R12	17,18
F100/150	Auto.	1-54G-R0	24
F150/250	Man.	1-53D-R0	14
F150/250	Man.	1-53D-R10	13
F150/250	Man.	1-53D-R12	15,16
F150/250	Man.	1-53K-R0	14
F150/250	Man.	1-53K-R10	13
F150/250	Man.	1-53K-R13	19,20
F150/250	Auto.	1-54K-R0	27
F250	Auto.	1-54L-R2	28
F250	Auto.	1-54L-R10	29
Bronco	Man.	1-53D-R0	14
Bronco	Man.	1-53D-R10	13
Bronco	Man.	1-53D-R12	15,16
Bronco	Man.	1-53K-R0	14
Bronco	Man.	1-53K-R10	13
Bronco	Man.	1-53K-R13	19,20
Bronco	Auto.	1-54D-R0	24
E100/150	Man.	1-53H-R0	23
E100/150	Man.	1-53H-R11	23
E150	Man.	1-53F-R0	21
E150	Man.	1-53F-R11	22
E100	Auto.	1-54H-R0	26
E100/150	Auto.	1-54F-R0	25
Calif.			
F100/250	Auto.	1-54P-R0	30
F100/250	Auto.	1-54P-R10	30
F150/250	Auto.	1-54R-R0	30
F150/250	Auto.	1-54R-R10	30
Bronco	Auto.	1-54R-R0	30
Bronco	Auto.	1-54R-R10	30
E100/250	Auto.	1-54R-R0	30
E100/250	Auto.	1-54R-R10	30
5.8L (351") W V8			
Federal			
E100/150	Auto.	1-64G-R1	33
E150/250	Auto.	1-64H-R2	34
E250/350	Auto.	7-76J-R11	31
Calif.			
F150/250	Man.	1-63T-R0	50
F150/250	Auto.	1-64S-R0	36
F150/250	Auto.	1-64T-R0	37
Bronco	Auto.	1-64T-R0	37
E150/250	Auto.	1-64R-R1	35
High Alt.			
E150/250	Auto.	1-64A-R0	32

FORD VACUUM DIAGRAMS (Cont.)

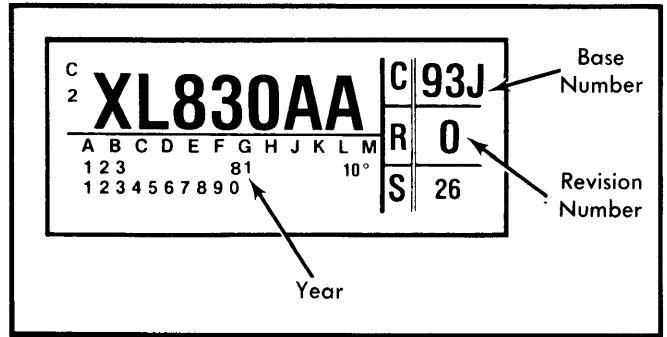
FORD MOTOR CO. VACUUM DIAGRAM INDEX			
Engine & Model	Transmission	Calibration No.	Fig. No.
5.8L (351") M V8			
Federal			
F150	Man.	1-59G-R0	38
F150	Man.	1-59G-R10	39
F150	Man.	1-59K-R0	40
F150	Man.	1-59K-R10	39
F150/250	Man.	1-59H-R0	40
F150/250	Man.	1-59H-R10	39
F150	Auto.	1-60J-R0	41
F150	Auto.	1-60J-R10	42
F150	Auto.	1-60K-R0	41
F150	Auto.	1-60K-R10	42
F150/250	Auto.	1-60H-R1	41
F150/250	Auto.	1-60H-R10	42
F250	Auto.	9-72J-R11	43
Bronco	Man.	1-59G-R0	38
Bronco	Man.	1-59G-R10	39
Bronco	Man.	1-59H-R0	40
Bronco	Man.	1-59H-R10	39
Bronco	Man.	1-59K-R0	40
Bronco	Man.	1-59K-R10	39
High Alt.			
F150/250	Man.	1-59A-R0	38
F150/250	Man.	1-59B-R0	38
F150/250	Man.	1-59B-R10	39
F150/250	Auto.	1-60A-R0	41
F150/250	Auto.	1-60A-R10	42
F150/250	Auto.	1-60B-R0	41
F150/250	Auto.	1-60B-R10	42
Bronco	Man.	1-59A-R0	38
Bronco	Man.	1-59B-R0	38
Bronco	Man.	1-59B-R10	39
Bronco	Auto.	1-60B-R0	41
Bronco	Auto.	1-60B-R10	42
6.6L (400") V8			
Federal			
E250/350	Man.	9-73J-R11	44
E250/350	Auto.	9-74J-R11	46
Calif			
F250	Man.	9-73J-R12	45
F250/350	Auto.	9-74J-R12	47
7.5L (460") V8			
F250/350	9-97J-R0	48
F250/350	9-97J-R12	49

FORD VACUUM DIAGRAMS (Cont.)

CALIBRATION NUMBER IDENTIFICATION

Locate engine emission control label and determine engine size and model year. Label is Gold or Silver in color and located in engine compartment. Next, find engine code label and determine calibration base number and revision number. Code labels are Yellow or White and located on engine valve cover. Use engine size, vehicle body style and calibration number to locate vacuum diagrams in index, then refer to proper illustration for vacuum diagram.

NOTE - Some calibration numbers are carried over from previous years and may not start with a number 1, which indicates 1981 calibration.



Engine Code Label

FORD MOTOR COMPANY VEHICLE EMISSION CONTROL INFORMATION			EVAPORATIVE FAMILY IS CM	VACUUM HOSE ROUTING
ENGINE FAMILY 1.6 APF EDR/AF/TC ENGINE DISPLACEMENT 1.6L	TRANS. AUTO	SPARK PLUG A6SP-32 GAP .042-.046	CATALYST	
SHIFT SCHEM NEUTRAL DRIVE	TRANS. GEAR 10	SET PARKING BRAKE AND BLOCK WHEELS. DISCONNECT AUTOMATIC PARKING BRAKE RELEASE (IF SO EQUIPPED). MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE. ACCESSORIES AND HEADLIGHTS OFF. PUT AIR CLEANER IN POSITION WHEN CHECKING ALL ENGINE SPEEDS.		
IGNITION TIMING*BTDC TIMING RPM-MAX.	HIGH CAM KICKDOWN RPM	IGNITION TIMING-DISCONNECT AND PLUG VACUUM ADVANCE HOSE AT DISTRIBUTOR. CHECK/ADJUST TIMING. RECONNECT VACUUM HOSE WHEN CHECKING/ADJUSTING ENGINE SPEEDS D/P. (DISCONNECT AND PLUG THERMOSTATOR AIR BY-PASS VALVE VACUUM HOSE AT 5 AND CONNECT INTAKE MANIFOLD VACUUM TO THE BY-PASS VALVE AT 6.		
FAST IDLE RPM VOTM OFF VOTM ON	750 1300	FAST IDLE-D/P EGR AND PURGE VACUUM HOSES AT A. PUT FAST IDLE SCREW ON SPECIFIED STEP OF FAST IDLE CAM. RUN ENGINE UNTIL COOLING FAN COMES ON. CHECK/ADJUST RPM. RECONNECT VACUUM HOSES.		
CHOKE SETTING DASHPOT CLEARANCE	NOT ADJUSTABLE 3.75 - 4.25 MM	CURB IDLE-VOTM (VACUUM OPERATED THROTTLE MODULATOR) OFF-PUT FAST IDLE SCREW ON SECOND STEP OF FAST IDLE CAM AND RUN ENGINE UNTIL ENGINE COOLING FAN COMES ON. ACCELERATE ENGINE BROMENTARILY. DISCONNECT AND PLUG VOTM VACUUM HOSE (IF SO EQUIPPED) CHECK/ADJUST RPM WITH TRANS. IN SPECIFIED MODE. USE THROTTLE STOP ADJUSTING SCREW TO ADJUST RPM. CHECK/ADJUST DASHPOT CLEARANCE.		
REFER TO SERVICE PUBLICATIONS FOR CHOKE ADJUSTMENT AND IDLE MIXTURE INSTRUCTIONS. COMPLIANCE DEMONSTRATED BELOW 4000 FT. IF CURB IDLE ADJ. IS GREATER THAN 30 RPM, WE ADJUST AUTO TRANS. LINKAGE. SEE SHOP MANUAL FOR DETAILED INSTRUCTIONS. INTENDED FOR USE AT LOW AND HIGH ALTITUDES.				
THIS VEHICLE IS TO USE EPA REGULATIONS APPLICABLE TO 1981 MODEL YEAR NEW MOTOR VEHICLES			E1EE-9C485-ZA	DHB

Emission Control Label

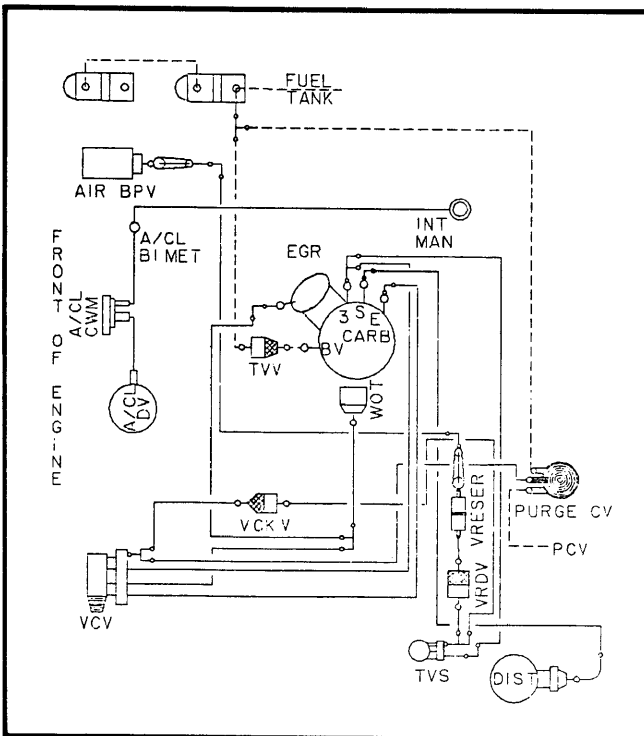


Fig. 1 4.9L (300") 6-Cylinder
(See Index for Calibration Numbers)

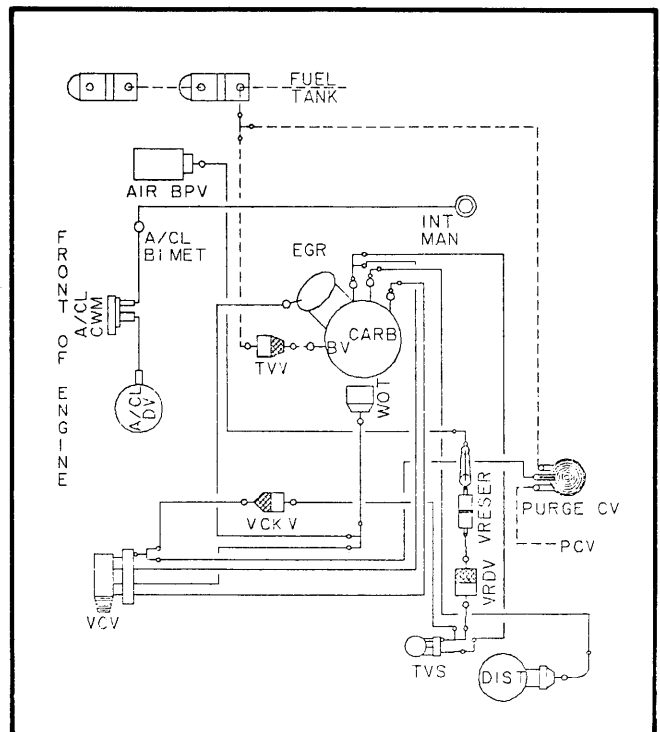
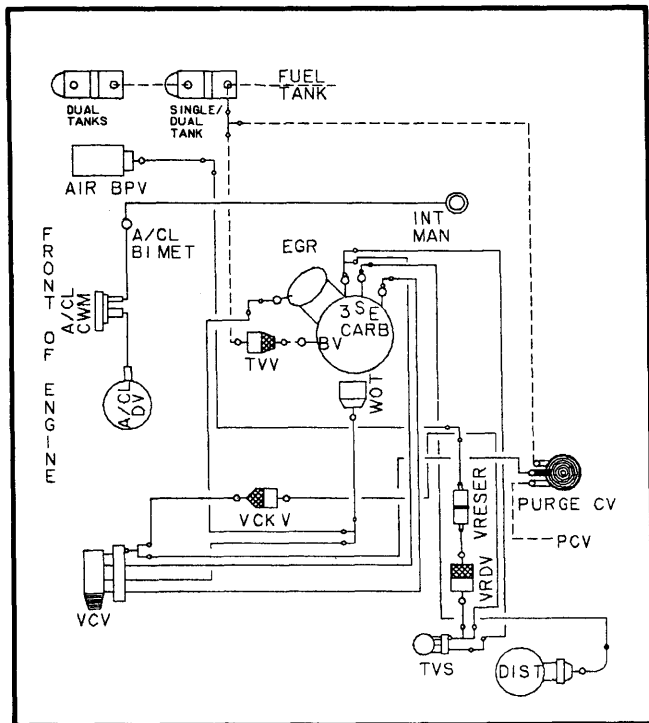
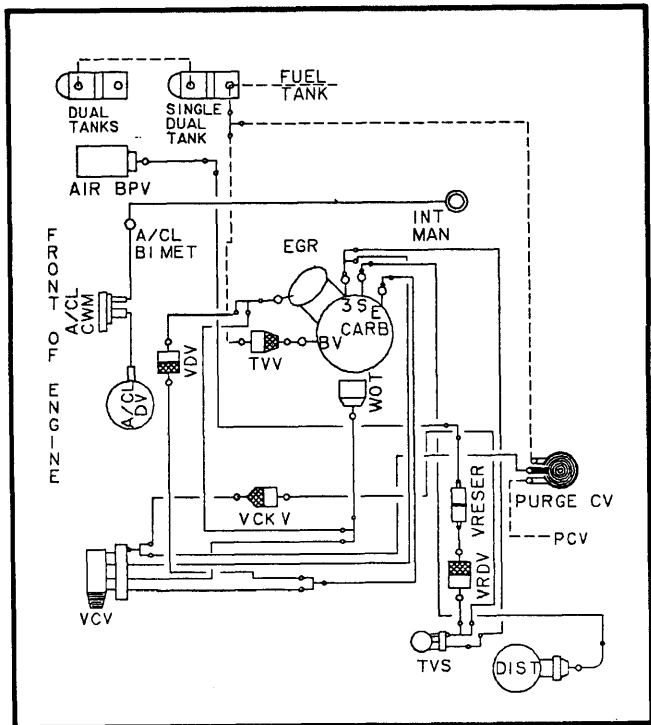


Fig. 2 4.9L (300") 6-Cylinder
Calibration 1-51G-R0 & 1-51H-R0

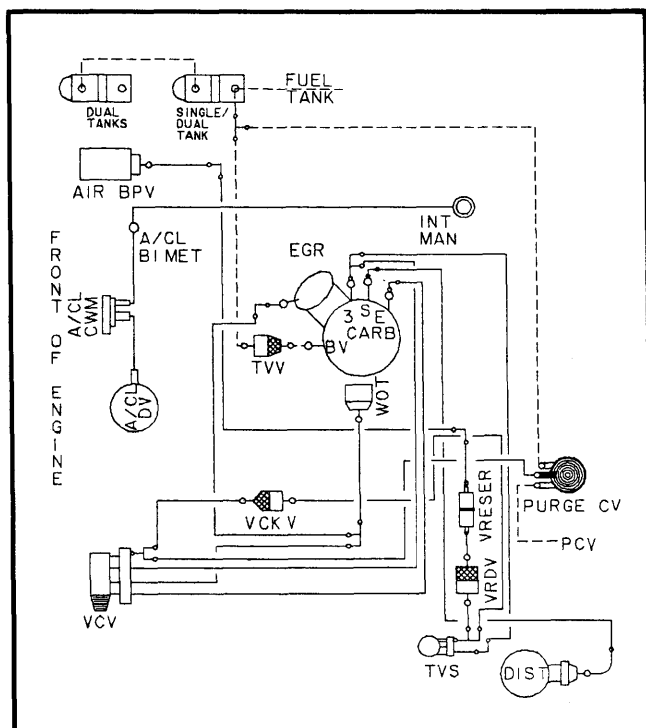
FORD VACUUM DIAGRAMS (Cont.)



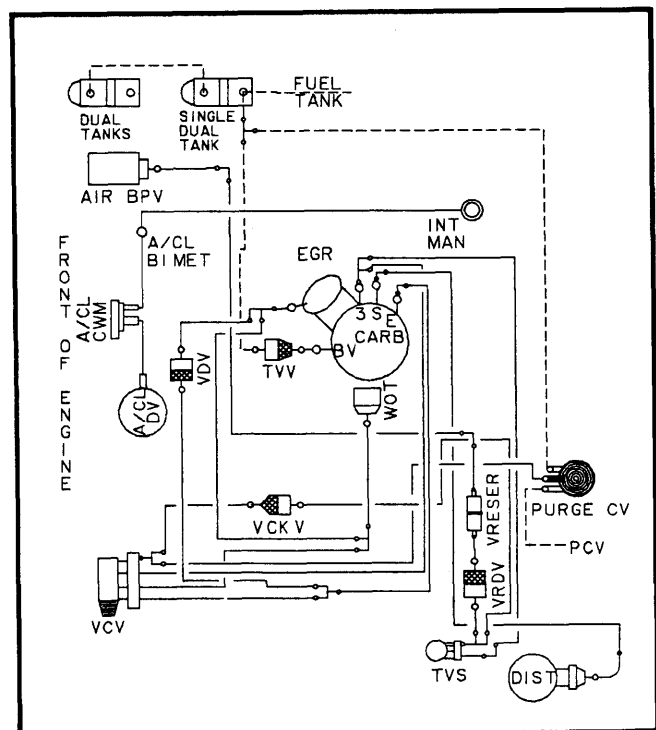
**Fig. 3 4.9L (300") 6-Cylinder
Calibration 1-51K-R0 & 1-51L-R0**



**Fig. 4 4.9L (300") 6-Cylinder
(See Index for Calibration Numbers)**

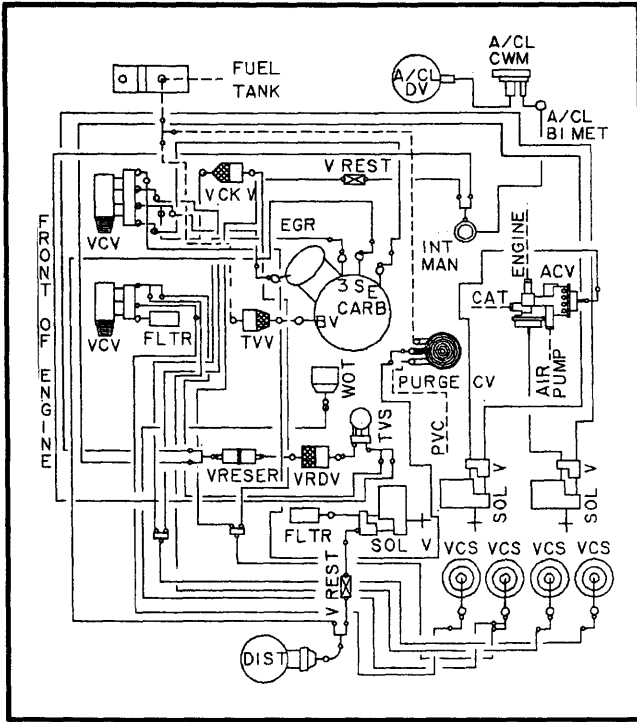


**Fig. 5 4.9L (300") 6-Cylinder
(See Index for Calibration Numbers)**

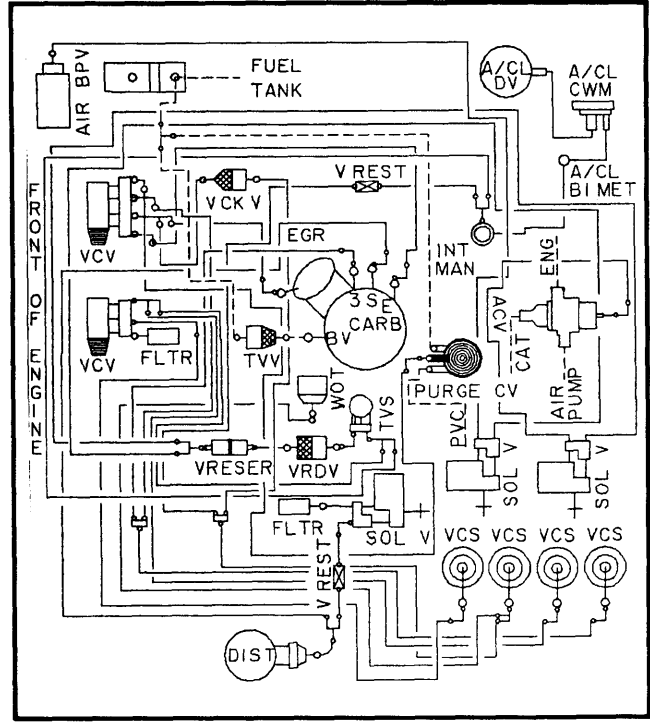


**Fig. 6 4.9L (300") 6-Cylinder
(See Index for Calibration Numbers)**

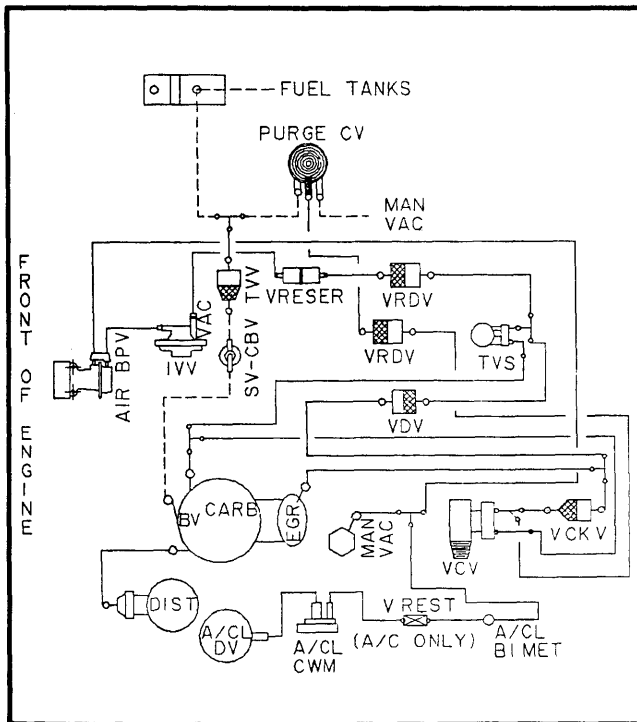
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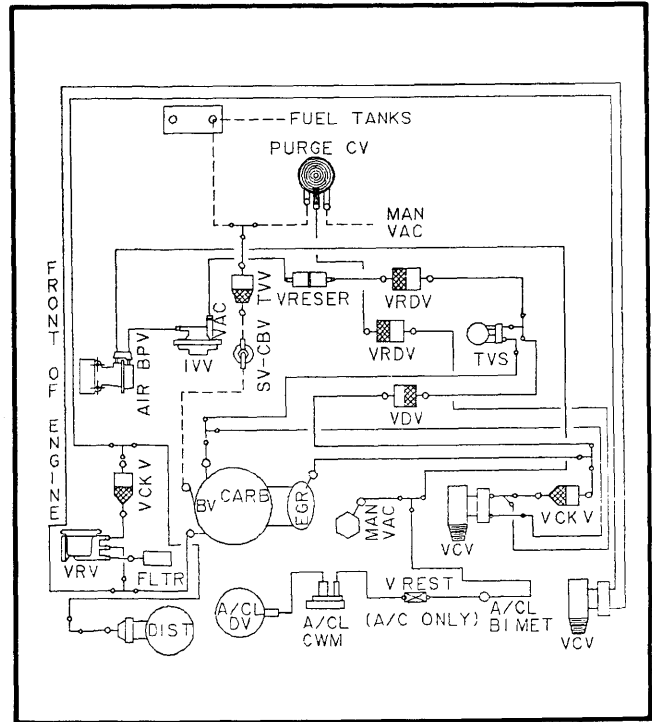
**Fig. 7 4.9L (300") 6-Cylinder
Calibration 1-51S-R0**



**Fig. 8 4.9L (300") 6-Cylinder
(See Index for Calibration Numbers)**



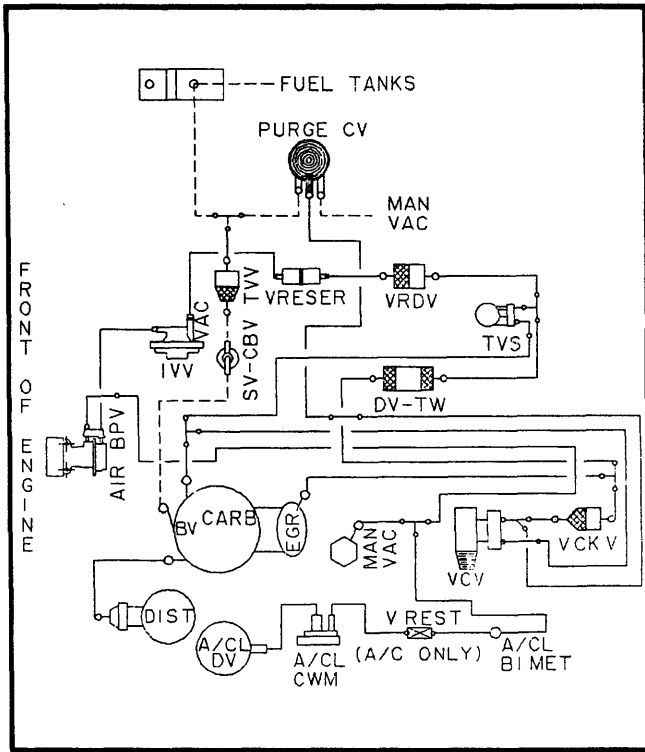
**Fig. 9 4.2L (255") V8
Calibration 1-57G-R0**



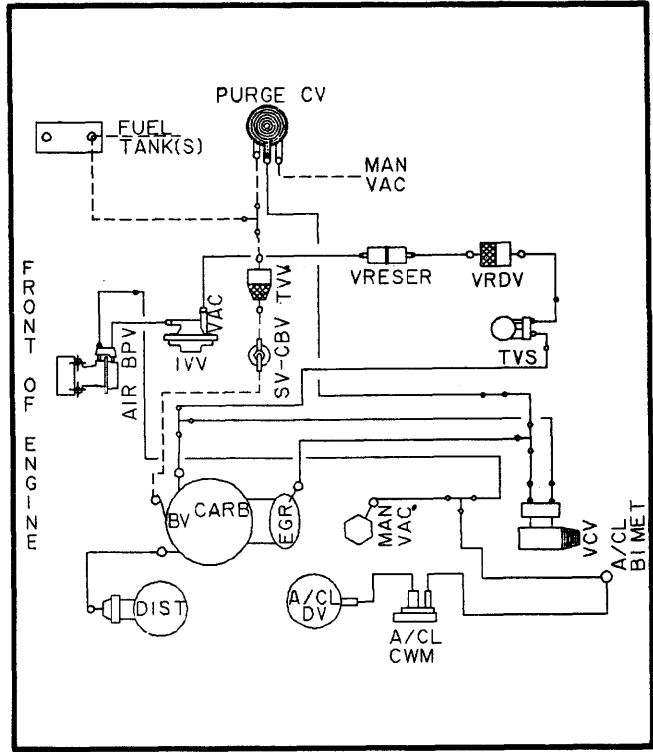
**Fig. 10 4.2L (255") V8
Calibration 1-57G-R10**

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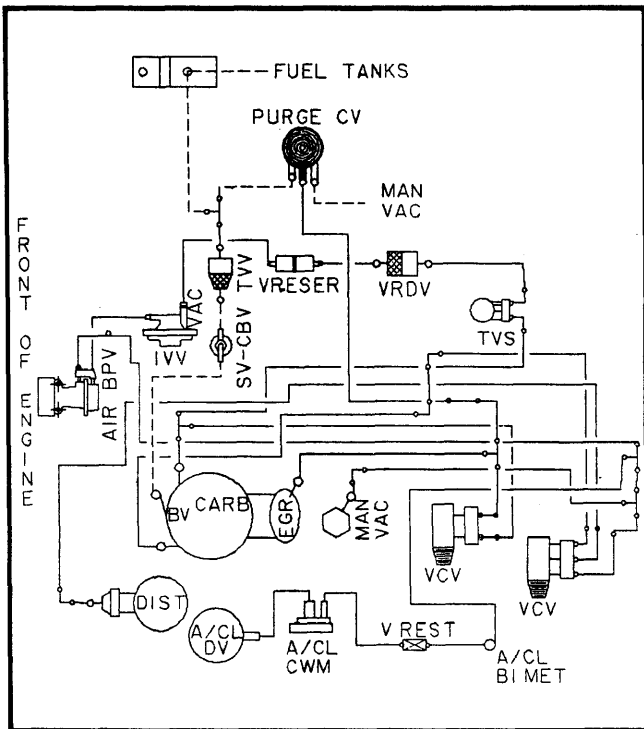
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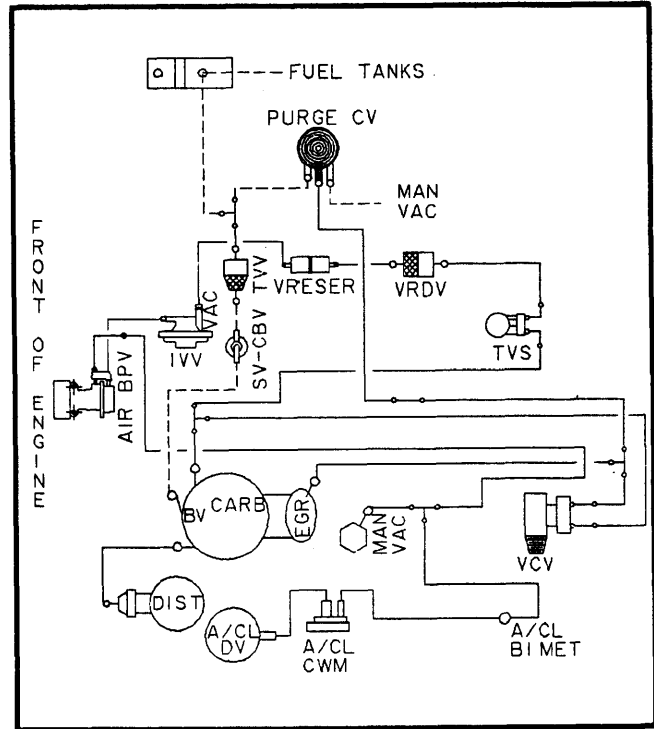
**Fig. 11 4.2L (255") V8
Calibration 1-58G-R0**



**Fig. 12 5.0L (302") V8
Calibration 1-53G-R0**

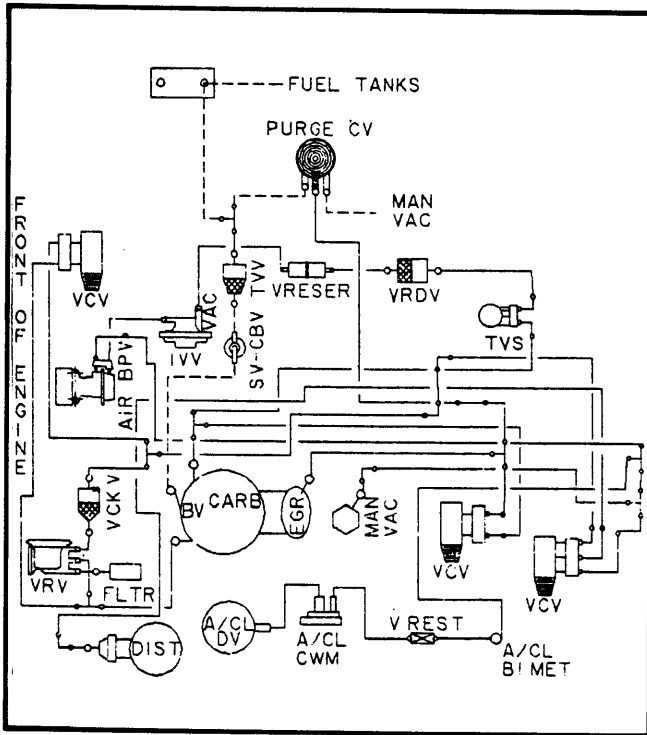


**Fig. 13 5.0L (302") V8
(See Index for Calibration Numbers)**

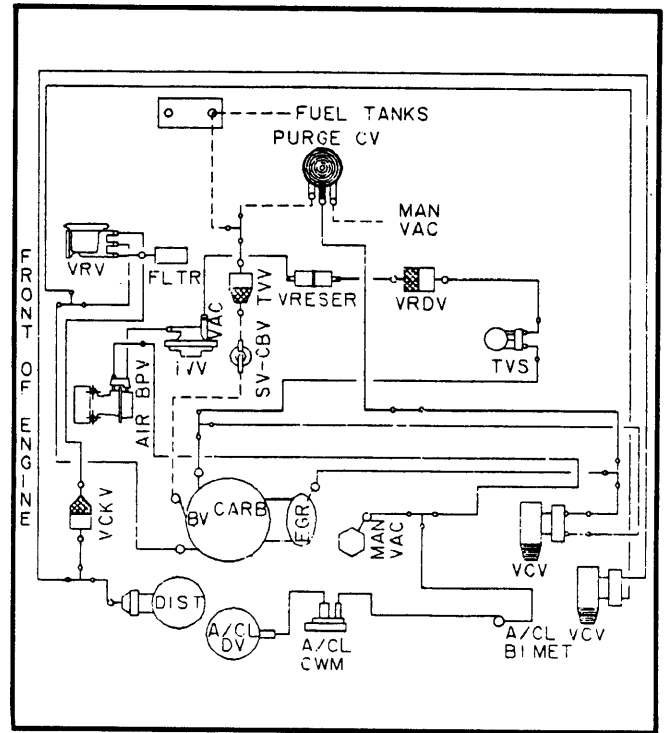


**Fig. 14 5.0L (300") V8
Calibration 1-53D-R0 & 1-53K-R0**

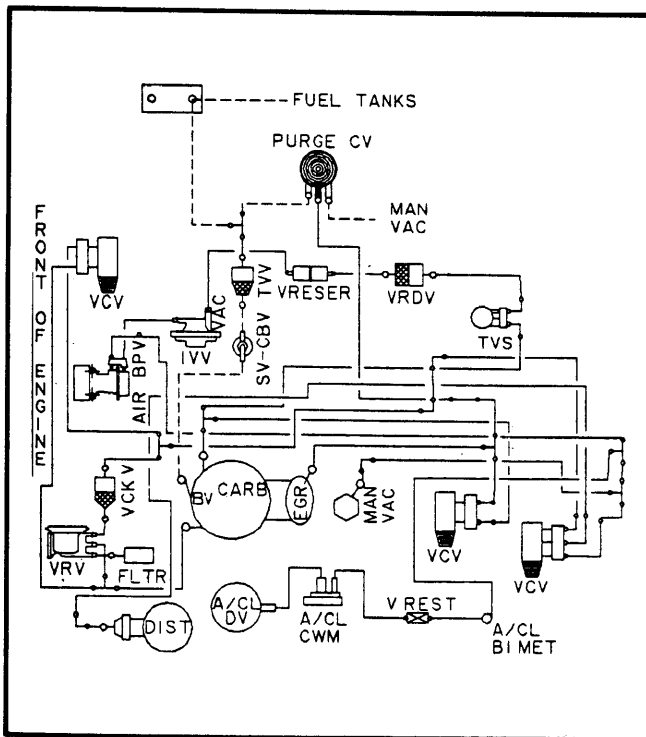
FORD VACUUM DIAGRAMS (Cont.)



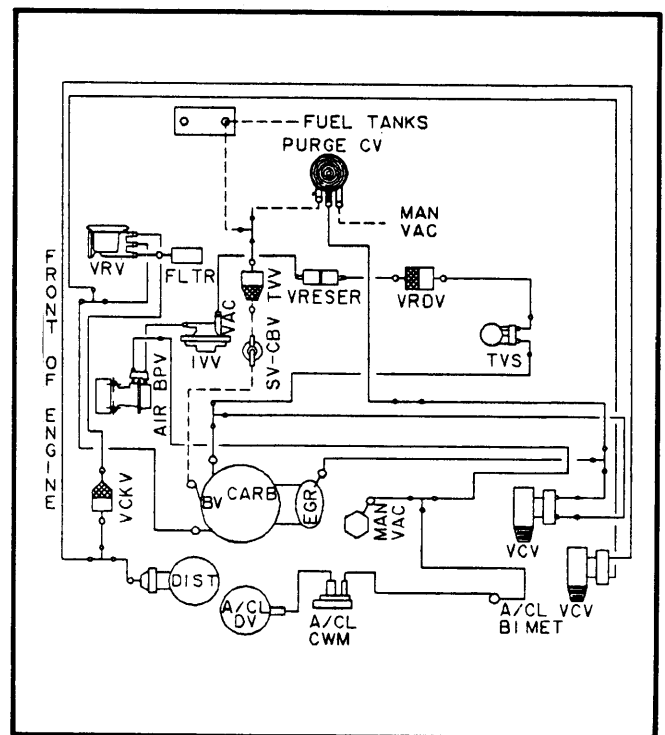
**Fig. 15 5.0L (300") V8
Calibration 1-53D-R12 with A/C**



**Fig. 16 5.0L (302") V8
Calibration 1-53D-R12 without A/C**



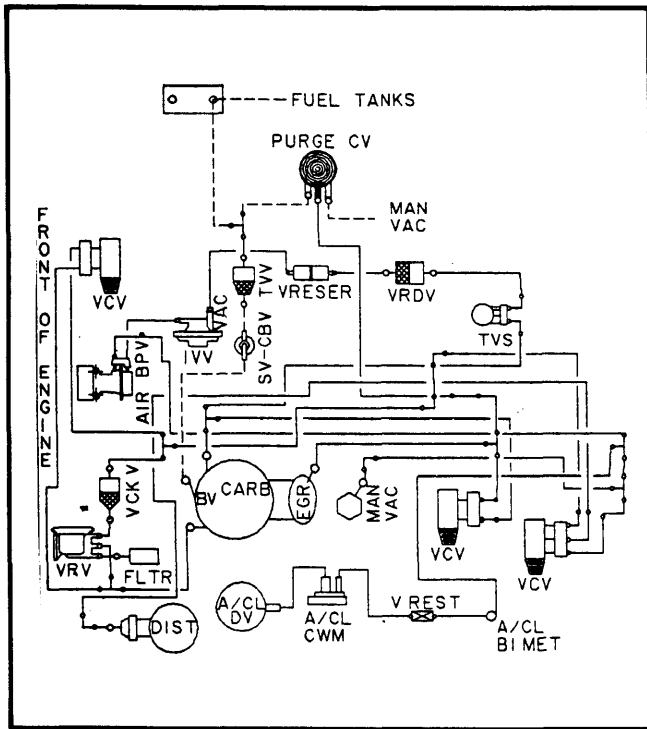
**Fig. 17 5.0L (302") V8
Calibration 1-53G-R12 with A/C**



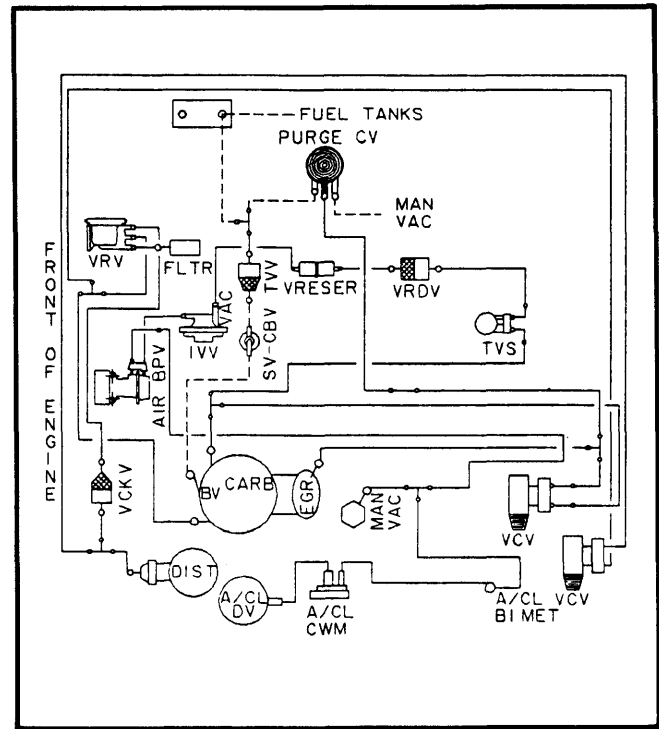
**Fig. 18 5.0L (302") V8
Calibration 1-53G-R12 without A/C**

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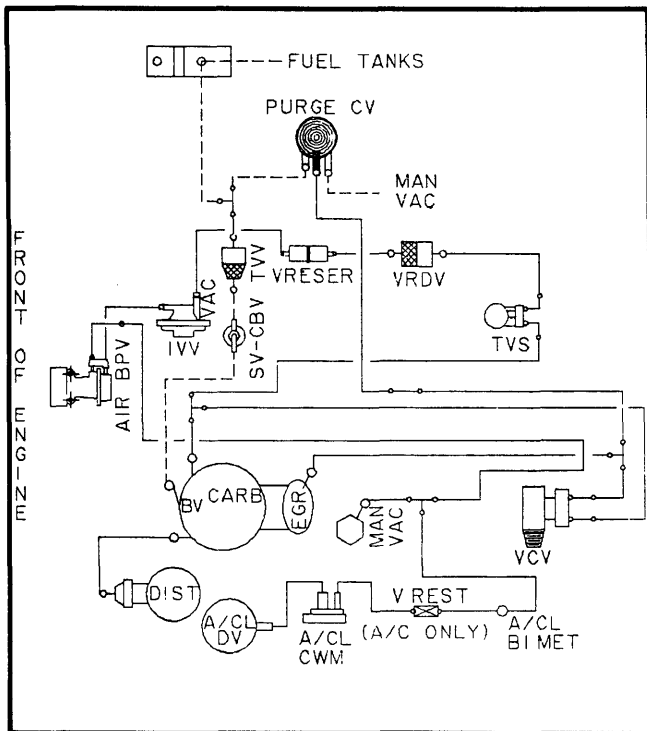
FORD VACUUM DIAGRAMS (Cont.)



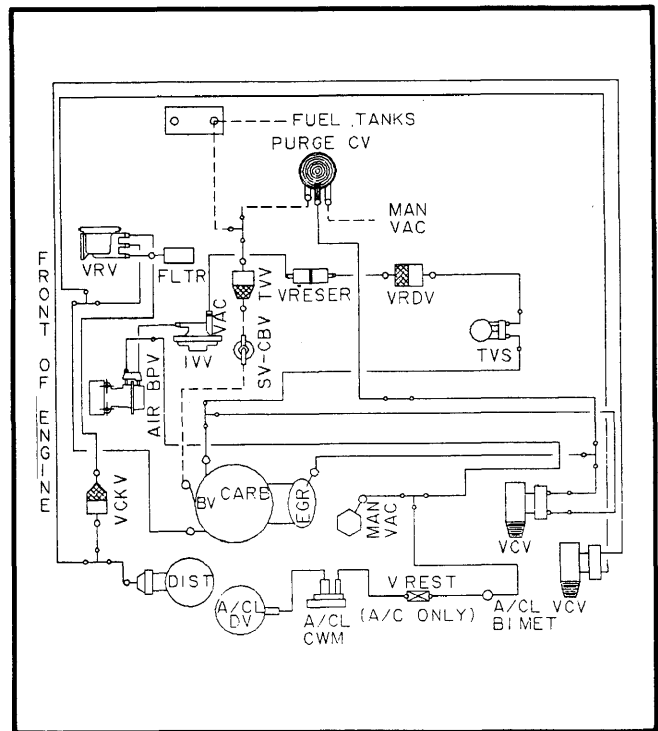
**Fig. 19 5.0L (302") V8
Calibration 1-53K-R13 with A/C**



**Fig. 20 5.0L (302") V8
Calibration 1-53K-R13 without A/C**



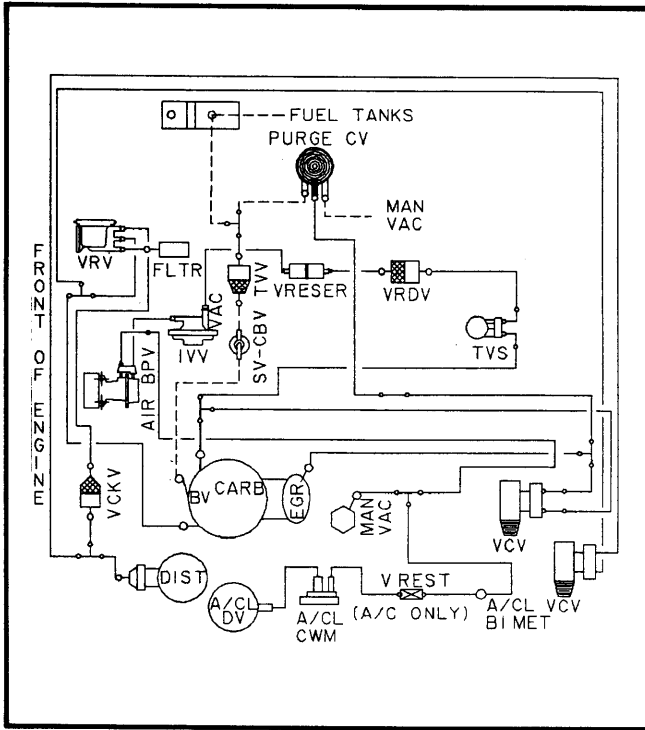
**Fig. 21 5.0L (302") V8
Calibration 1-53F-R0**



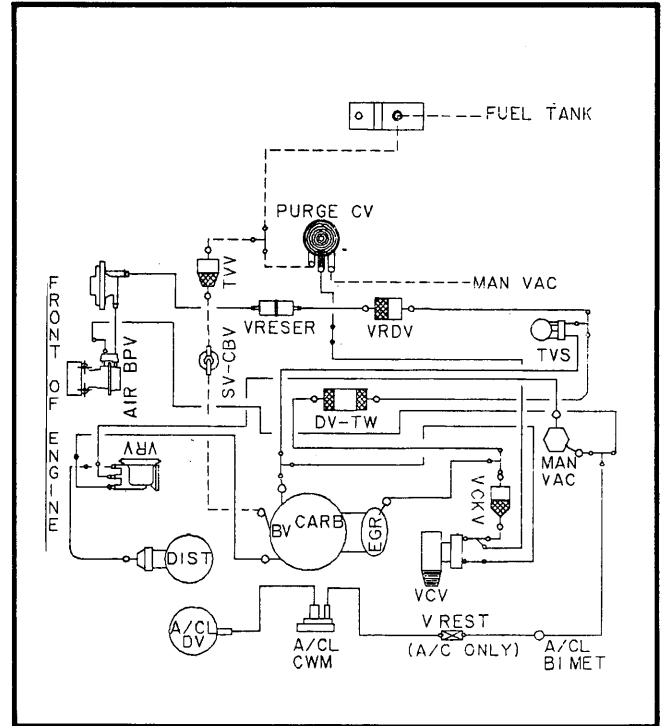
**Fig. 22 5.0L (302") V8
Calibration 1-53F-R11**

FORD VACUUM DIAGRAMS (Cont.)

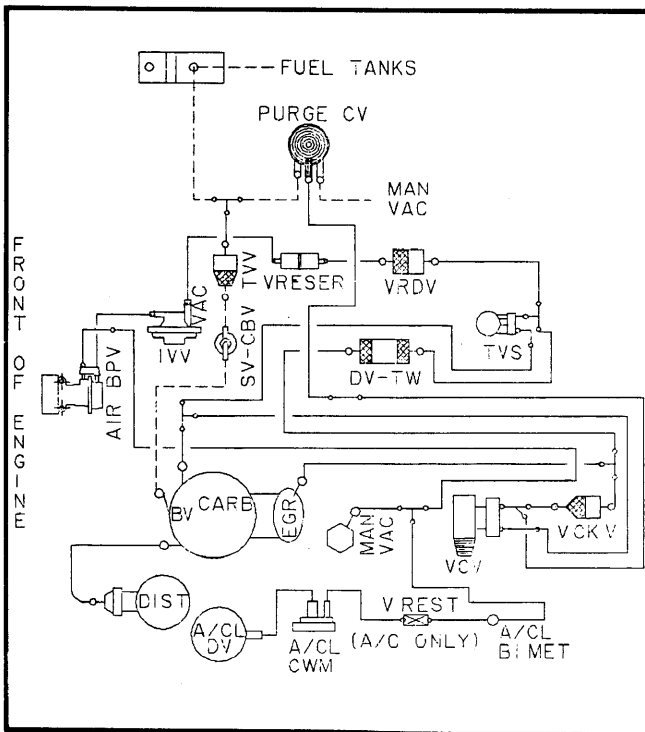
EMISSION CONTROL



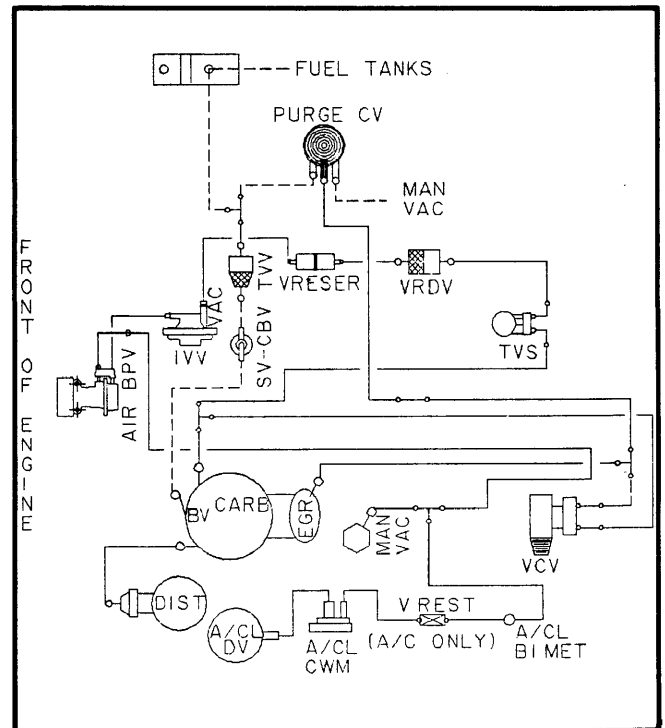
**Fig. 23 5.0L (302") V8
Calibration 1-53H-R0 & 1-53H-R1**



**Fig. 24 5.0L (302") V8
Calibration 1-54D-R1 & 1-54G-R0**



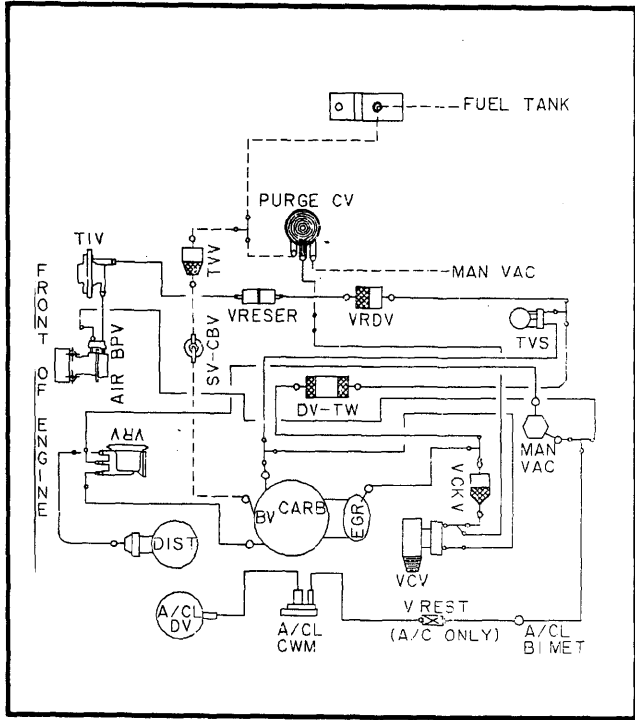
**Fig. 25 5.0L (302") V8
Calibration 1-54F-R0**



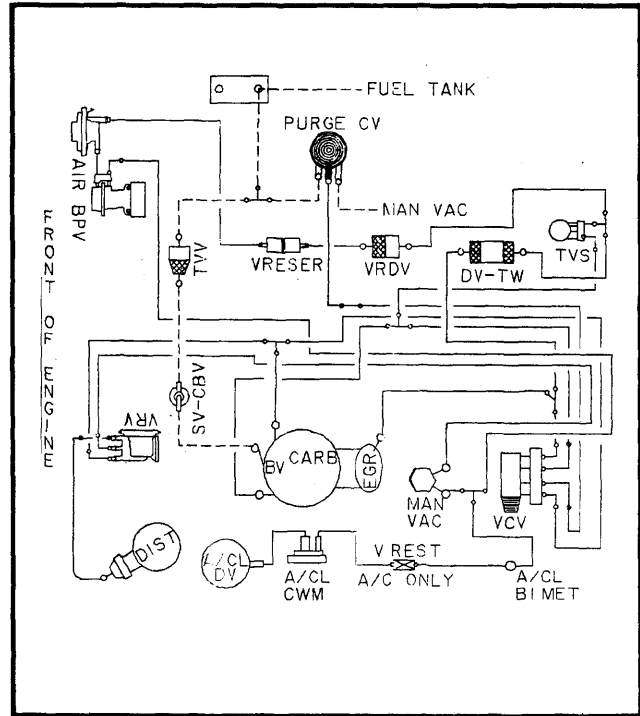
**Fig. 26 5.0L (302") V8
Calibration 1-54H-R0**

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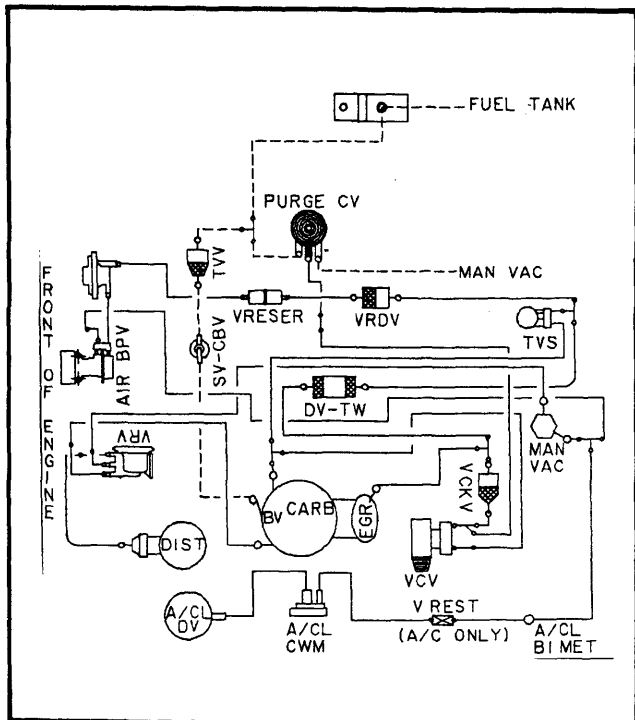
FORD MOTOR CO. VACUUM DIAGRAMS (Cont.)



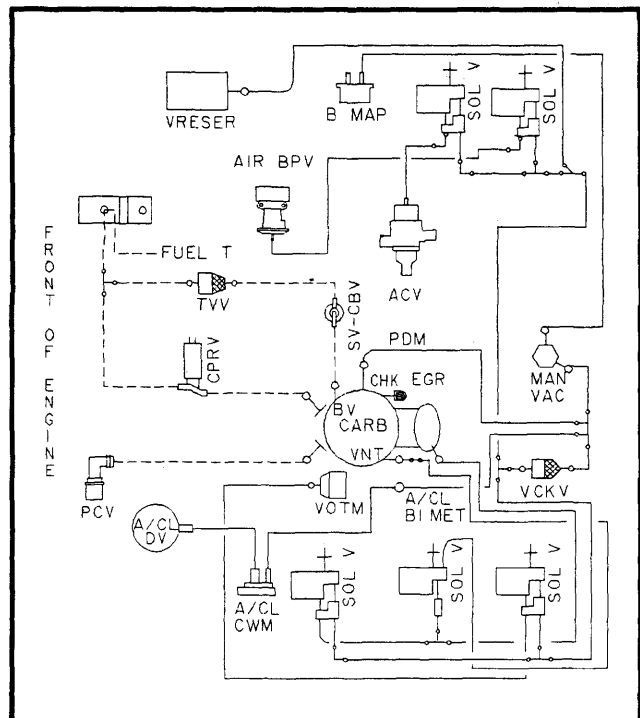
**Fig. 27 5.0L (302") V8
Calibration 1-54K-R0**



**Fig. 28 5.0L (302") V8
Calibration 1-54L-R2**

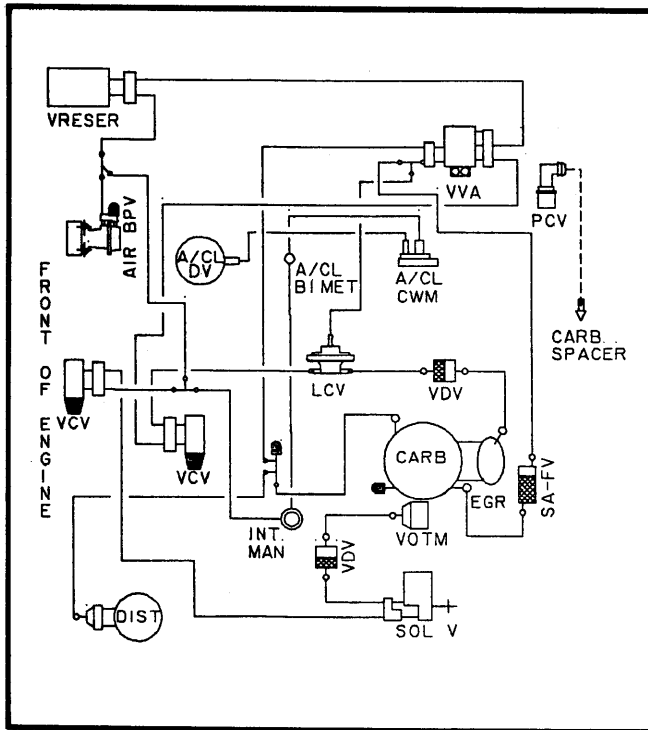


**Fig. 29 5.0L (302") V8
Calibration 1-54L-R10**

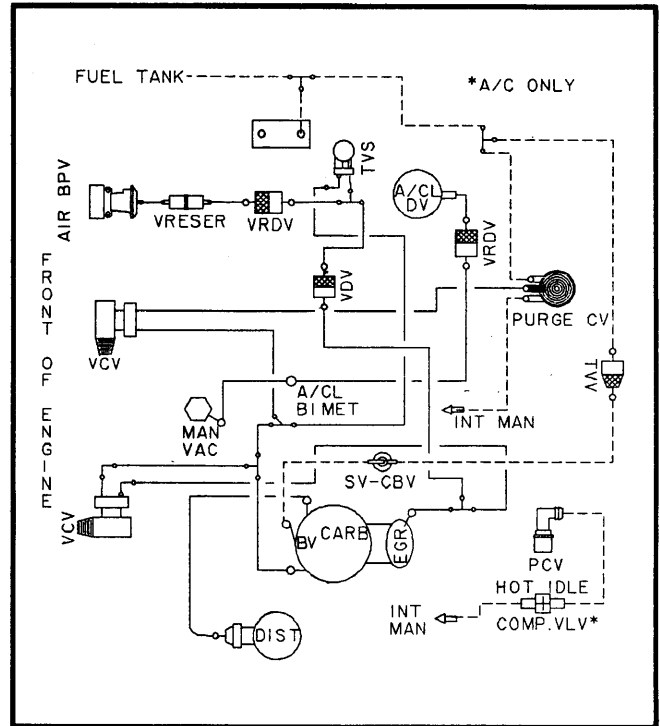


**Fig. 30 5.0L (302") V8
(See Index for Calibration Numbers)**

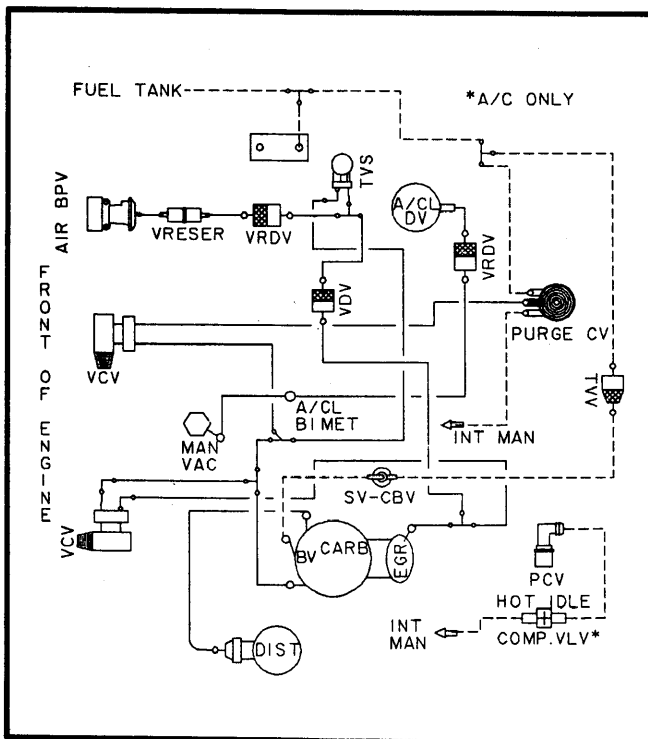
FORD VACUUM DIAGRAMS (Cont.)



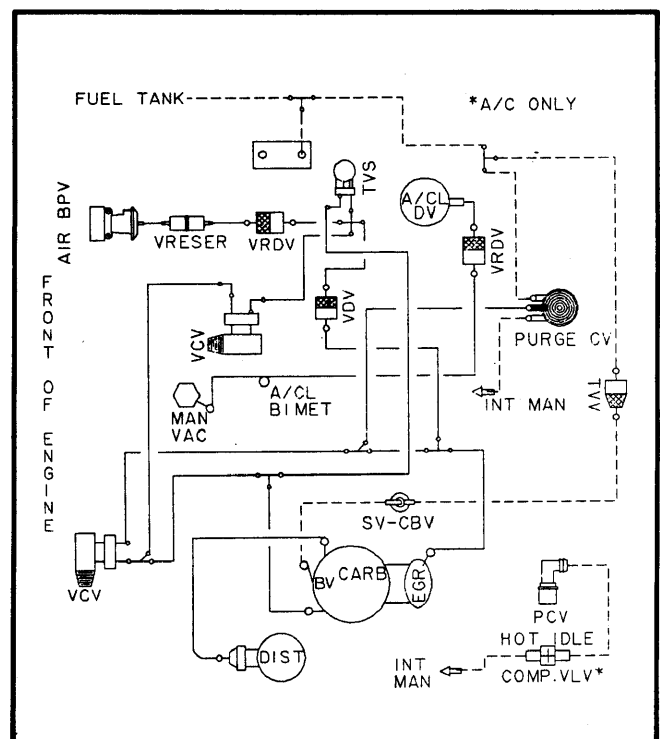
**Fig. 31 5.8L (351") W V8
Calibration 7-76J-R11**



**Fig. 32 5.8L (351") W V8
Calibration 1-64A-R0**



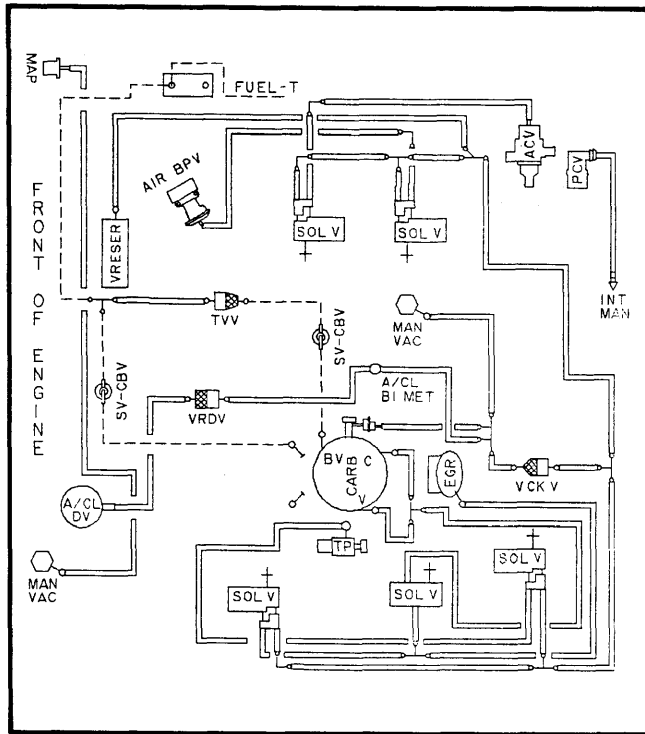
**Fig. 33 5.8L (351") W V8
Calibration 1-64G-R1**



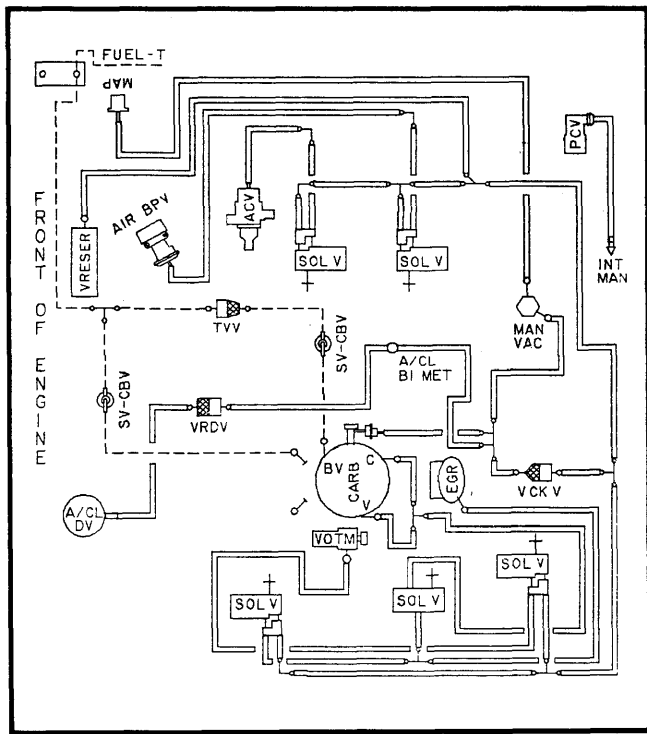
**Fig. 34 5.8L (351") W V8
Calibration 1-64H-R2**

1981 Exhaust Emission Systems

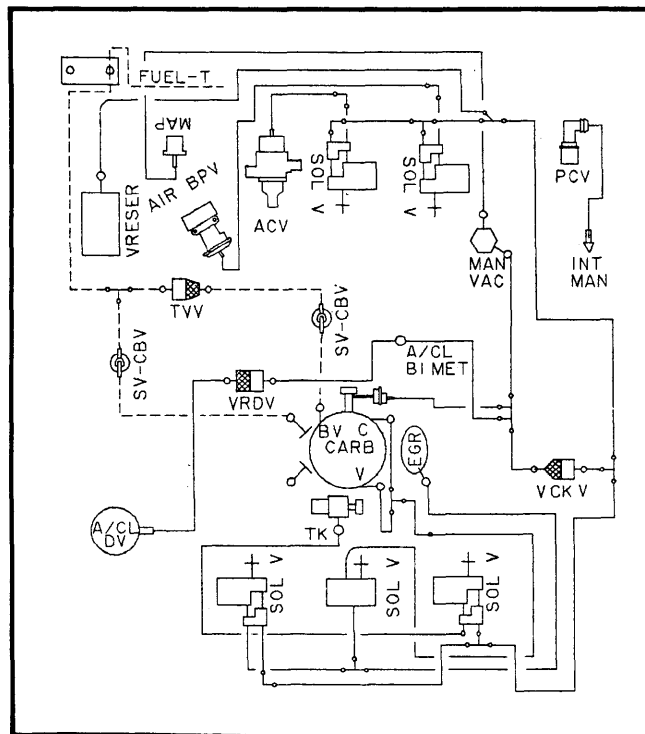
FORD MOTOR CO. VACUUM DIAGRAMS (Cont.)



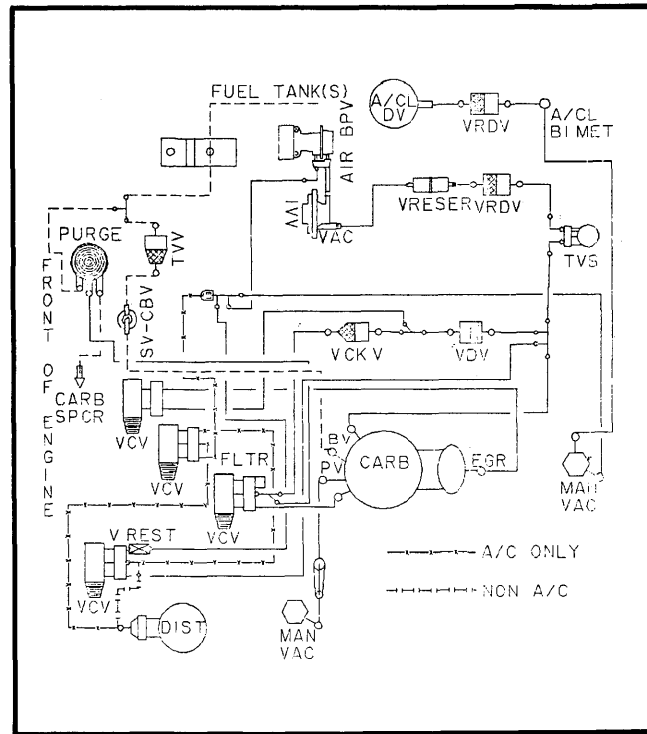
**Fig. 35 5.8L (351") W C8
Calibration 1-64R-R1**



**Fig. 36 5.8L (351") W V8
Calibration 1-64S-R0**



**Fig. 37 5.8L (351") W V8
Calibration 1-64T-R0**



**Fig. 38 5.8L (351") M V8
(See Index for Calibration Numbers)**

FORD VACUUM DIAGRAMS (Cont.)

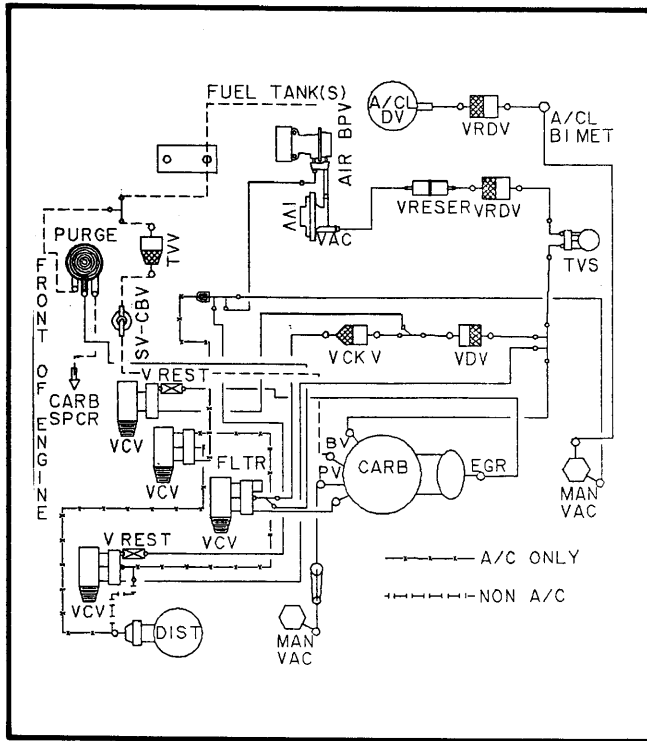


Fig. 39 5.8L (351") M V8
(See Index for Calibration Numbers)

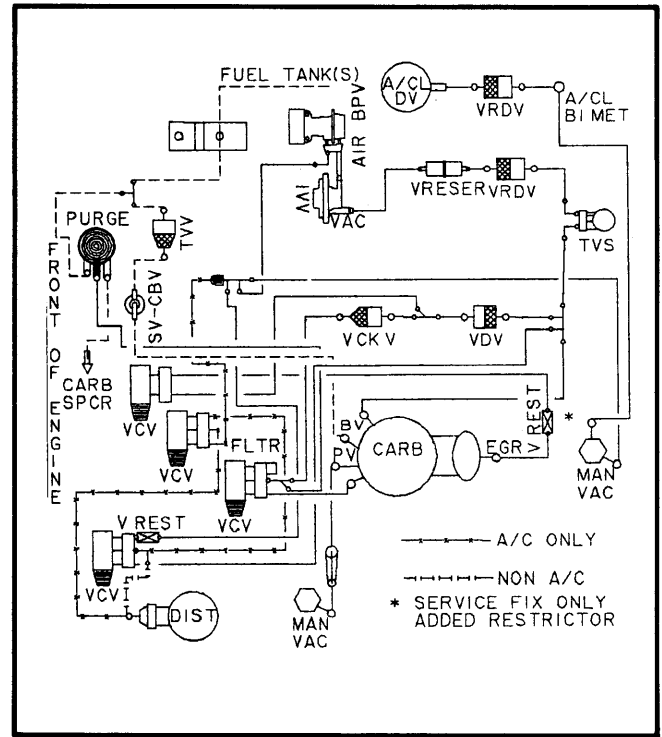


Fig. 40 5.8L (351") M V8
Calibration 1-59H-R0 & 1-R9K-R0

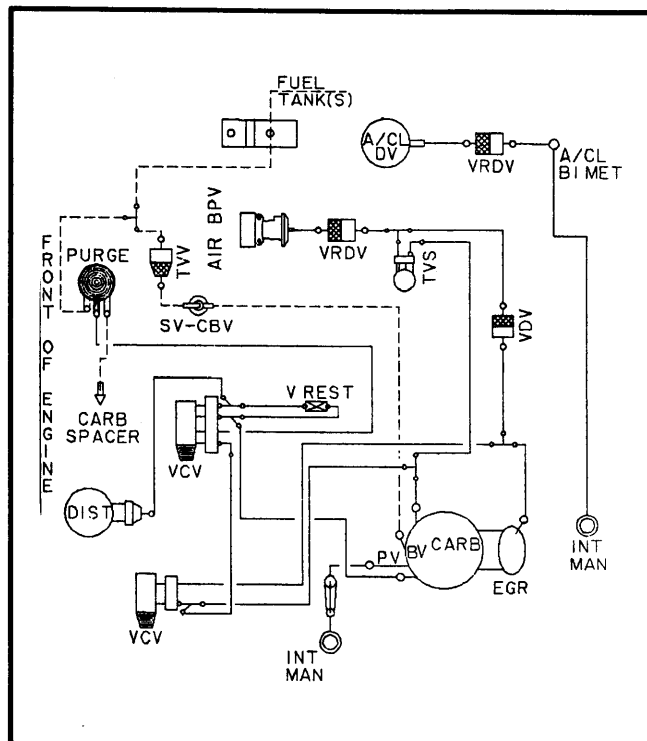


Fig. 41 5.8L (351") M V8
(See Index for Calibration Numbers)

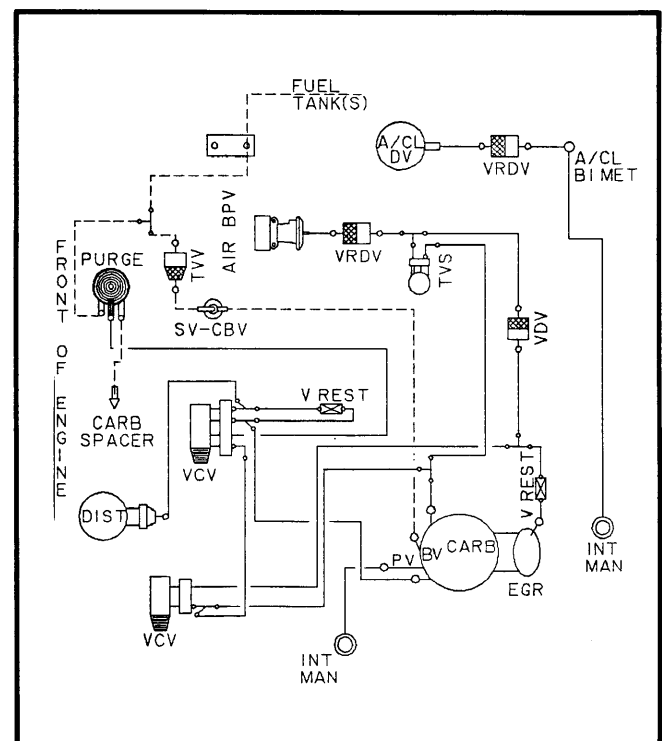
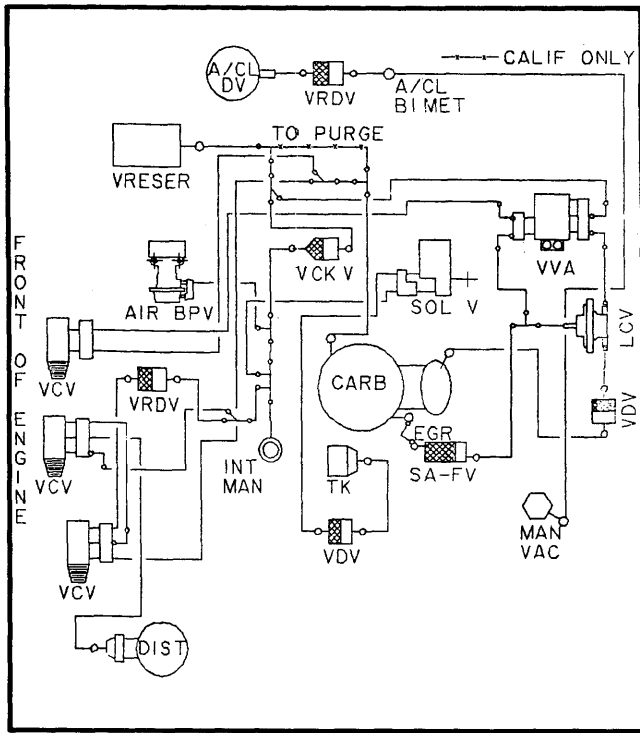


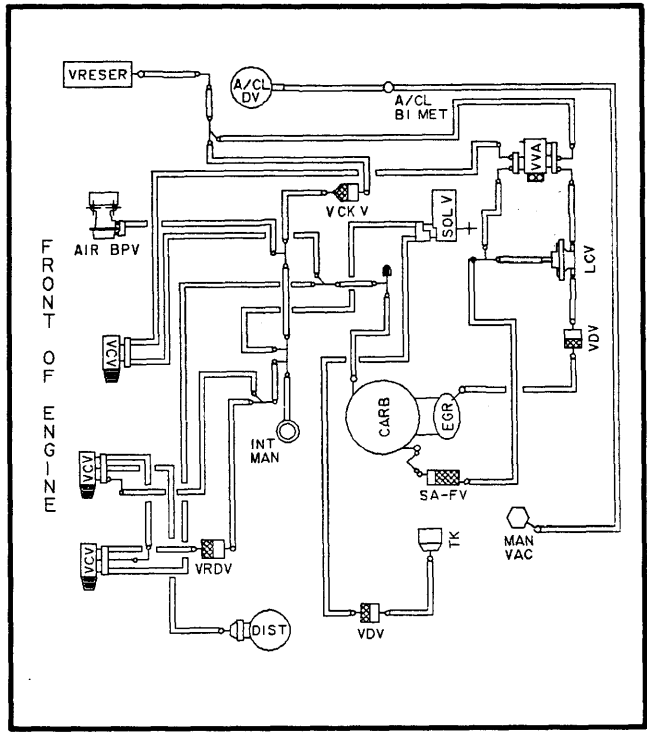
Fig. 42 5.8L (351") M V8
(See Index for Calibration Numbers)

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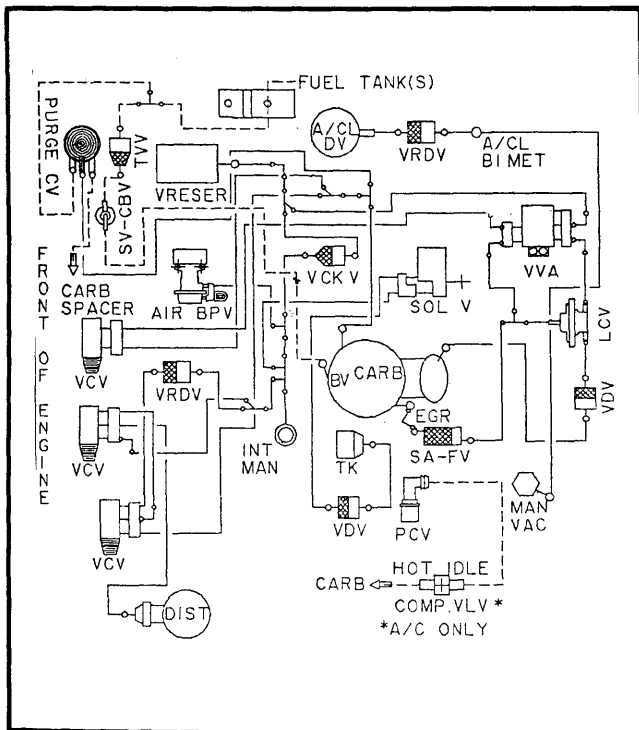
FORD VACUUM DIAGRAMS (Cont.)



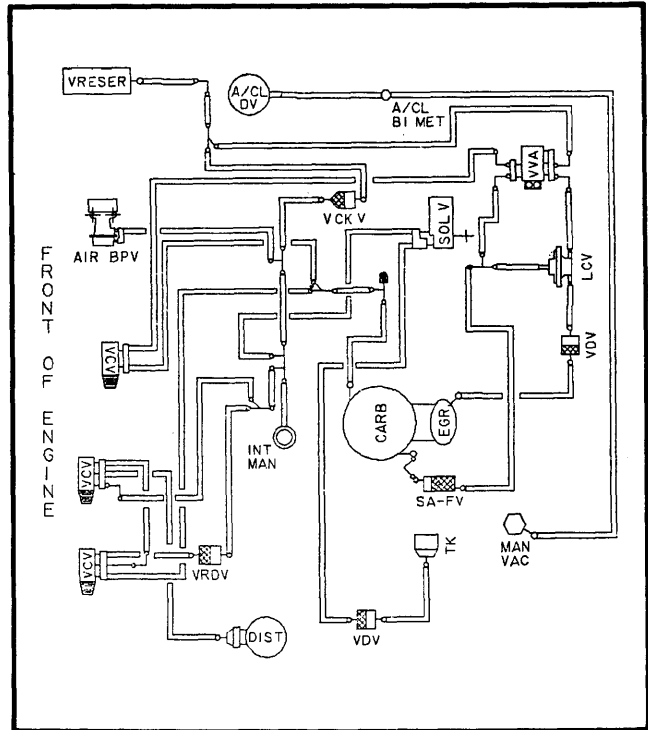
**Fig. 43 5.8L (351") M V8
Calibration 9-72J-R11**



**Fig. 44 6.6L (400") V8
Calibration 9-73J-R11**

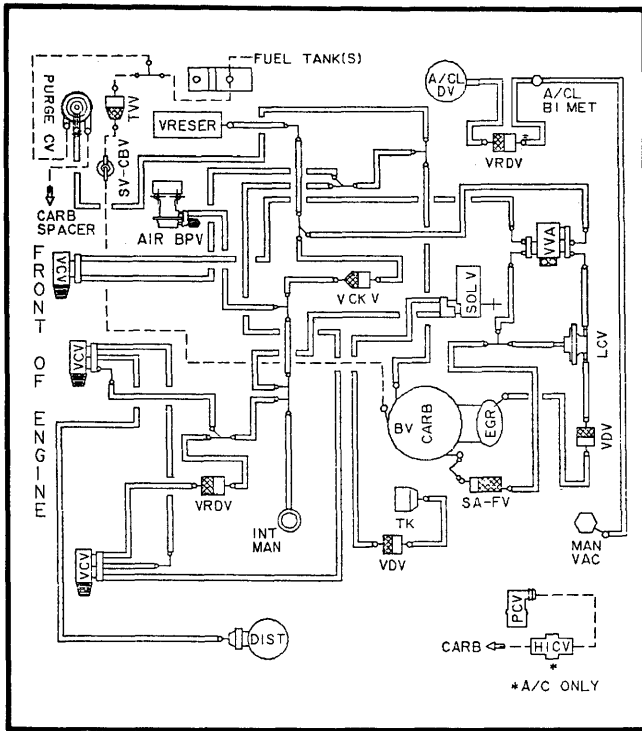


**Fig. 45 6.6L (400") V8
Calibration 9-73J-R12**

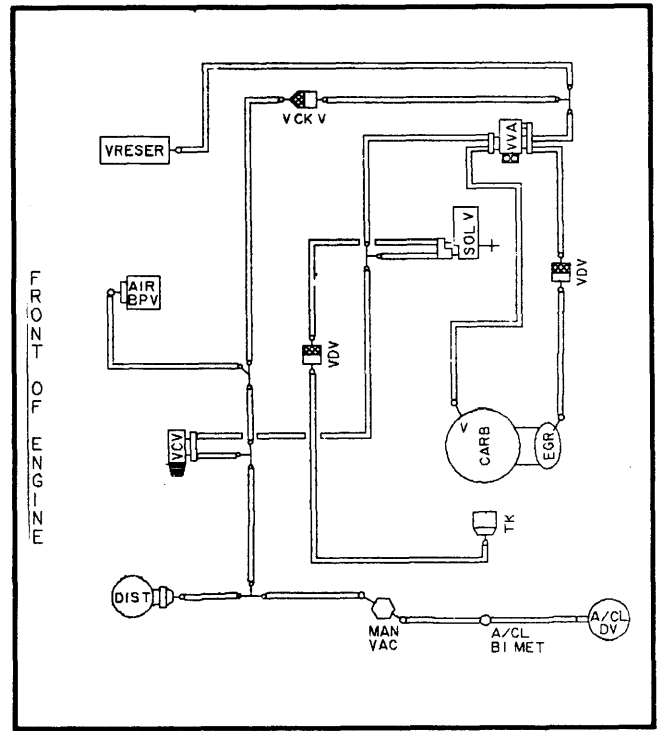


**Fig. 46 6.6L (400") V8
Calibration 9-74J-R11**

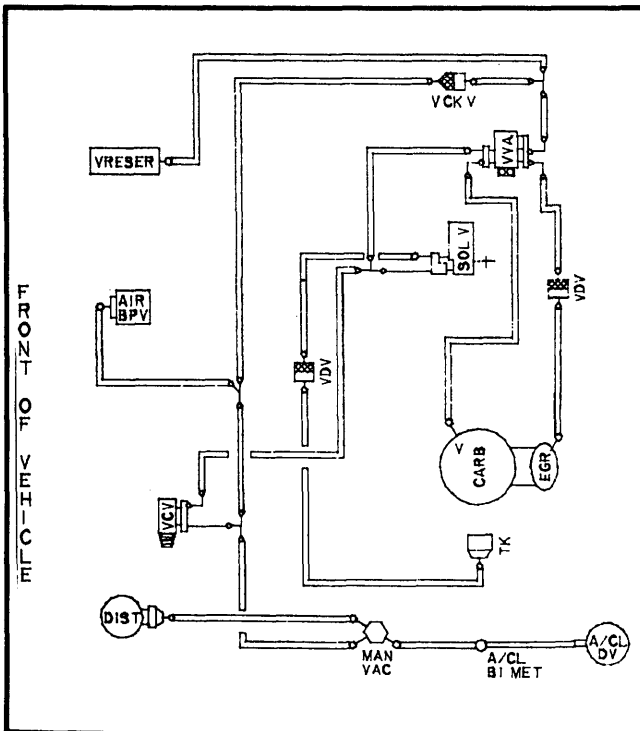
FORD VACUUM DIAGRAMS (Cont.)



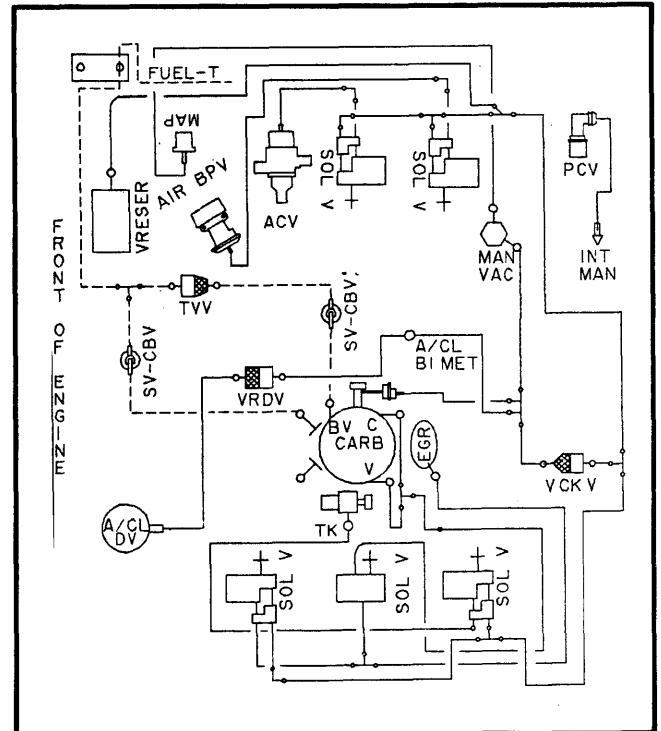
**Fig. 47 6.6L (400") V8
Calibration 9-74J-R12**



**Fig. 48 7.5L (460") V8
Calibration 9-97J-R0**



**Fig. 49 7.5L (460") V8
Calibration 9-97J-R12**



**Fig. 50 5.8L (351") W V8
Calibration 1-63T-R0**