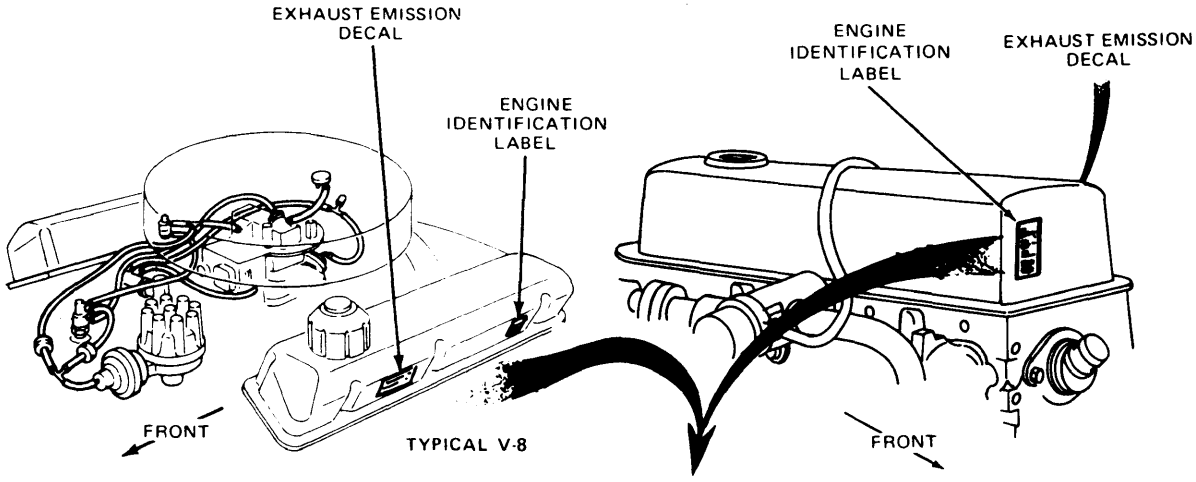
1975-79 EXHAUST EMISSION SYSTEMS
1976 Ford Motor Co. Vacuum Diagram Index

To find correct vacuum diagram usage, refer to engine identification label (not colored exhaust emission decal). Label is located at rear of left rocker cover on V8 engines and on left side rear on six cylinder engines. Determine calibration and revision (see illustration). Using following table; match model, engine, transmission, calibration and revision level to determine illustration number of vacuum diagram to be used.



1976 ENGINE CODE LABEL IDENTIFICATION CHART

YEAR	50 S	49 S	CANADA	CALIF.
0	0	A	L	S
1	1	B	M	T
2	2	C	N	U
3	3	D	P	W
4	4	E	R	X
5	5	F	L	S
6	6	G	M	T
7	7	H	N	U
8	8	J	P	W
9	9	K	R	X

BASE
DISPLACEMENT
VEHICLE APPLICATION
INERTIA WEIGHT
AXLE RATIO
TRANSMISSION

- A – AIR/CONDITIONING
- B – NON AIR/CONDITIONING
- C – INDUSTRIAL & MARINE
- D – EXPORT
- E – OVER 6000 LBS/NON THERM
- F – THERMACTOR WITHOUT A/C
- G – A/C OR NON A/C ENGINES
- H – POWER STEERING
- J – THERMACTOR WITH A/C
- K – THERMACTOR A/C OR NON A/C
- L – OVER 6000 LBS/THERM

C 1 KK301BK T U C 53H R 67 S 12

ENGINE BUILD DATE
A B C D E F G H I J K L M
1 2 3 '75
1 2 3 4 5 6 7 8 9 0

400 3°

*CALENDER YEAR MUST BE HERE FOR ALL O/6000 #TRUCK ENGINES

INITIAL TIMING (PLANT OPTION)

DESIGN LEVEL A – USED TO INDICATE INITIAL RELEASE

CALIB & REVISION LEVEL
A – USED TO INDICATE INITIAL RELEASE

(PLANT OPTION)
DENOTES CARB & DIST. USED ON ENGINE

CALIBRATION NUMBER

REVISION LEVEL

SERVICE LEVEL
(CONTROLLED BY INDIVIDUAL PLANTS)

RPM SETTING (PLANT OPTION)

DENOTES PLANT SOURCED TO PRODUCE ENGINES

D	–	DEARBORN ENGINE PLANT
L	–	LIMA ENGINE PLANT
C1	–	CLEVELAND ENGINE PLT 1
C2	–	CLEVELAND ENGINE PLT 2
W1	–	WINDSOR ENGINE PLT 1
W2	–	WINDSOR ENGINE PLT 2

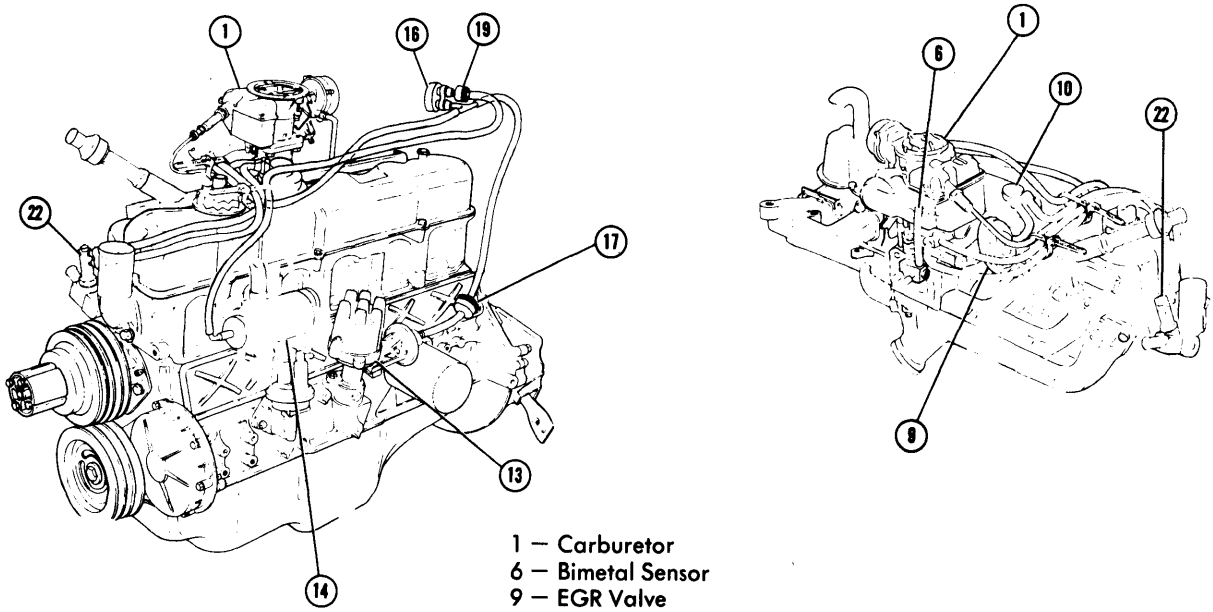
* ALL OVER 6000 TRUCK ENGINES MUST HAVE THIS TAG AFFIXED TO THE SAME ENGINE COMPONENT AS THE EMISSION DECAL.

1975-79 EXHAUST EMISSION SYSTEMS
1976 Ford Motor Co. Vacuum Diagram Index (Cont.)

FORD VACUUM SYSTEM DIAGRAMS				
Vehicle	**Transmission**	**Calibration**	**Revision**	**Fig. No.**
300" 1-Bbl.				
F100	Man. Trans.	6-51U	R-0	1
E100	Auto. Trans.	6-52V	R-0	1
F100	Man. Trans.	5-51G	R-4	2
E100	Man. Trans.	5-51L	R-0	2
F100	Man. Trans.	5-52K	R-2	2
F100	Man. Trans.	6-51G	R-1	3
E100	Man. Trans.	6-51L	R-0	3
F100	Auto. Trans.	6-52G	R-0	3
E100	Auto. Trans.	6-52K	R-0	3
302" 2-Bbl.				
F100	Man. Trans.	6-53G	R-1	4
Bronco	Man. Trans.	6-53G	R-1	5
F100	Man. Trans.	6-53S	R-6	6
F100, Bronco	Auto. Trans.	6-54G	R-1	7
Bronco	Man. Trans.	5-53L	R-1	8
Bronco	Auto. Trans.	5-54L	R-O	8
Bronco	Auto. Trans.	5-54M	R-O	8
F100	Man. Trans.	5-53G	R-2	9
F100	Man. Trans.	5-53H	R-3	9
F100, Bronco	Auto. Trans.	6-54S	R-O	10
351"W 2-Bbl.				
Econoline (U-6000)	Man. Trans.	5-64U	R-O	11
E100	Man. Trans.	6-64A	R-O	12
E100	Auto. Trans.	6-65A	R-O,R-1	13
Econoline (U-6000)	Man. Trans.	5-64A	R-1	14
Econoline (U-6000)	Auto. Trans.	5-65A	R-7	14
Econoline	Auto. Trans.	5-65B	R-O	14
360" 2-Bbl.				
F100	Auto. Trans.	5-56A	R-9	15
F100	Auto. Trans.	5-56C	R-O	16
F100	Auto. Trans.	5-56C	R-O	17
F100	Man. Trans.	6-55G	R-3	18
F100	Man. Trans.	6-55U	R-3	18
F100	Auto. Trans.	5-56C	R-O	19
F100	Man. Trans.	6-55G	R-3	19
F100	Man. Trans.	6-55U	R-3	19
F100	Man. Trans.	6-55G	R-5	20
F100	Auto. Trans.	6-56C	R-6	20
F100	Auto. Trans.	6-56U	R-12	20
390" 2-Bbl.				
F100	Auto. Trans.	6-58A	R-8	21
F100	Auto. Trans.	6-58U	R-2	22
F100	Auto. Trans.	6-58U	R-4	23
F100	Auto. Trans.	6-58U	R-4	24

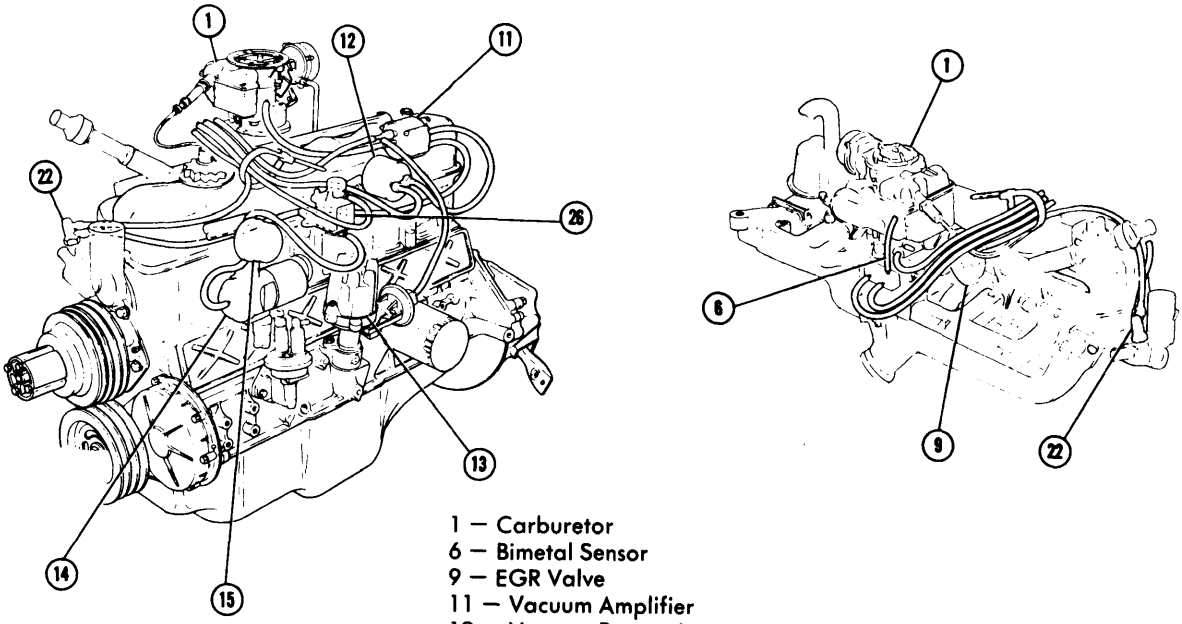
NOTE — Vacuum diagrams for all Heavy Duty models, and for models with 460" V8 were not available from manufacturer at time of publication.

1975-79 EXHAUST EMISSION SYSTEMS
1976 Ford Motor Co. Vacuum Diagrams



1 — Carburetor
6 — Bimetal Sensor
9 — EGR Valve
10 — EGR Backpressure Transducer
13 — Distributor
14 — Air Bypass Valve
16 — Temperature Vacuum Valve
17 — Spark Delay Valve
19 — Thermal Delay Valve
22 — EGR Ported Vacuum Switch

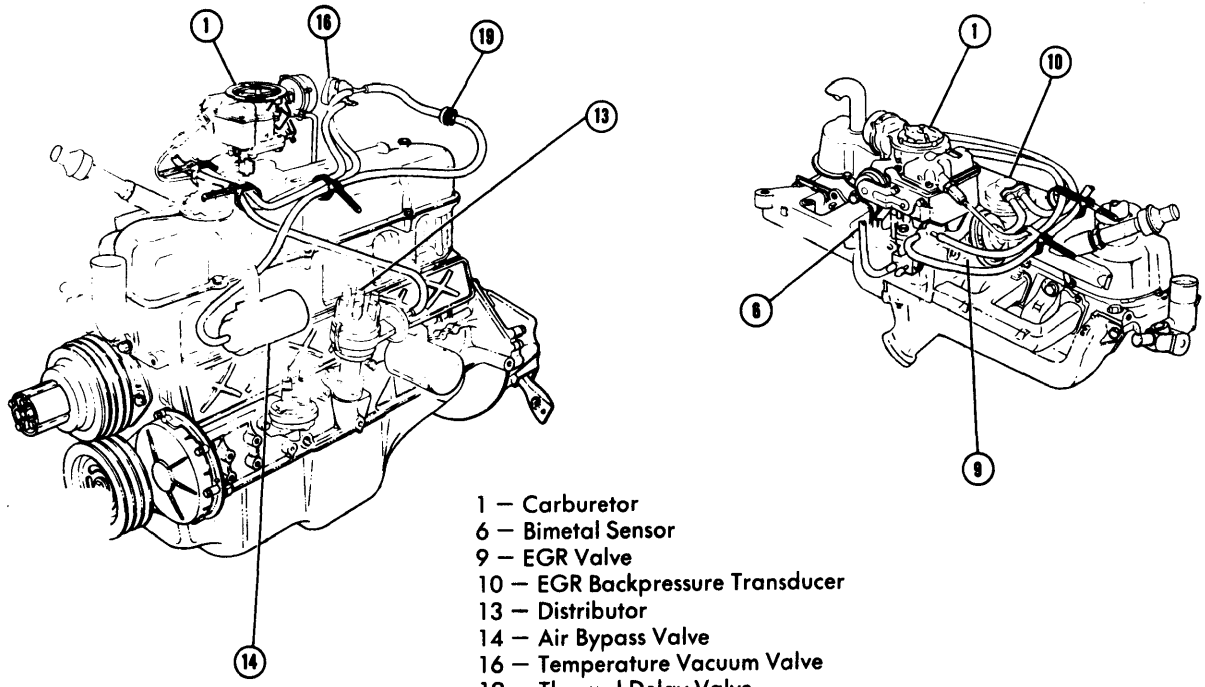
Fig. 1 300" 6-Cyl.



1 — Carburetor
6 — Bimetal Sensor
9 — EGR Valve
11 — Vacuum Amplifier
12 — Vacuum Reservoir
13 — Distributor
14 — Air Bypass Valve
15 — Vacuum Differential Valve
22 — EGR Ported Vacuum Switch
26 — Vacuum Solenoid

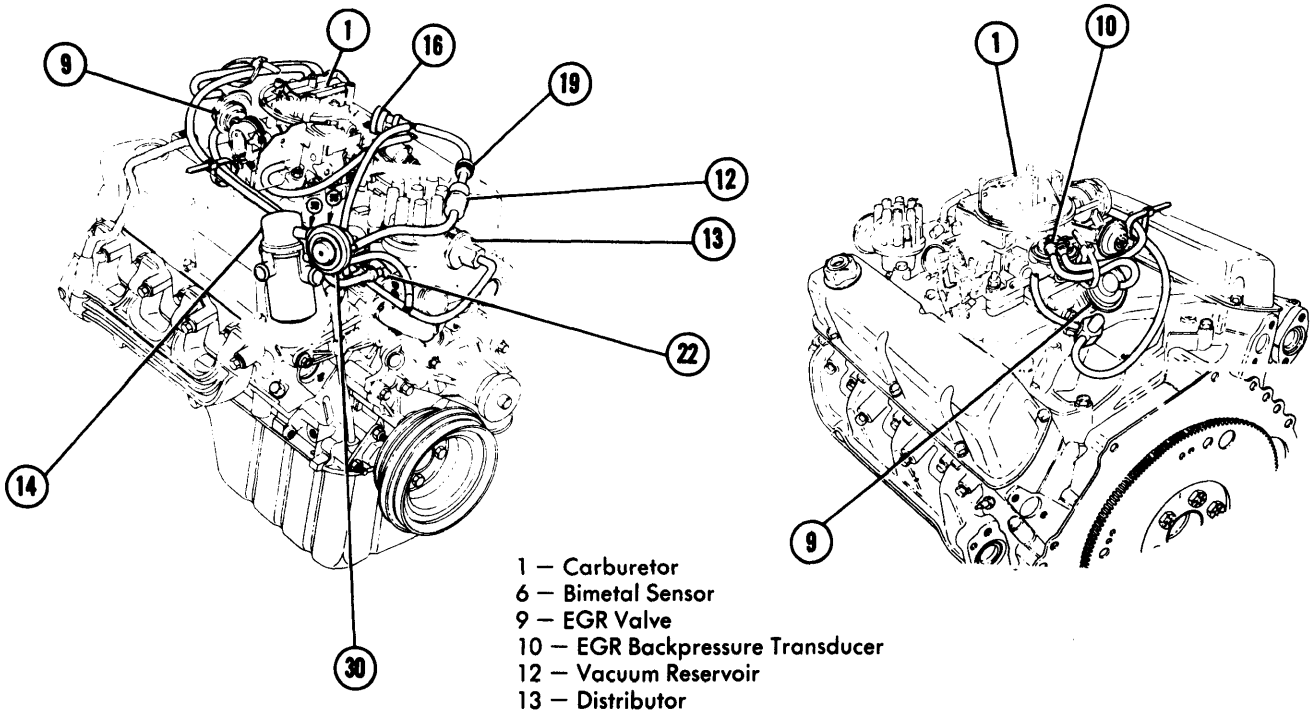
Fig. 2 300" 6-Cyl.

1975-79 EXHAUST EMISSION SYSTEMS
1976 Ford Motor Co. Vacuum Diagrams (Cont.)



1 — Carburetor
6 — Bimetal Sensor
9 — EGR Valve
10 — EGR Backpressure Transducer
13 — Distributor
14 — Air Bypass Valve
16 — Temperature Vacuum Valve
19 — Thermal Delay Valve

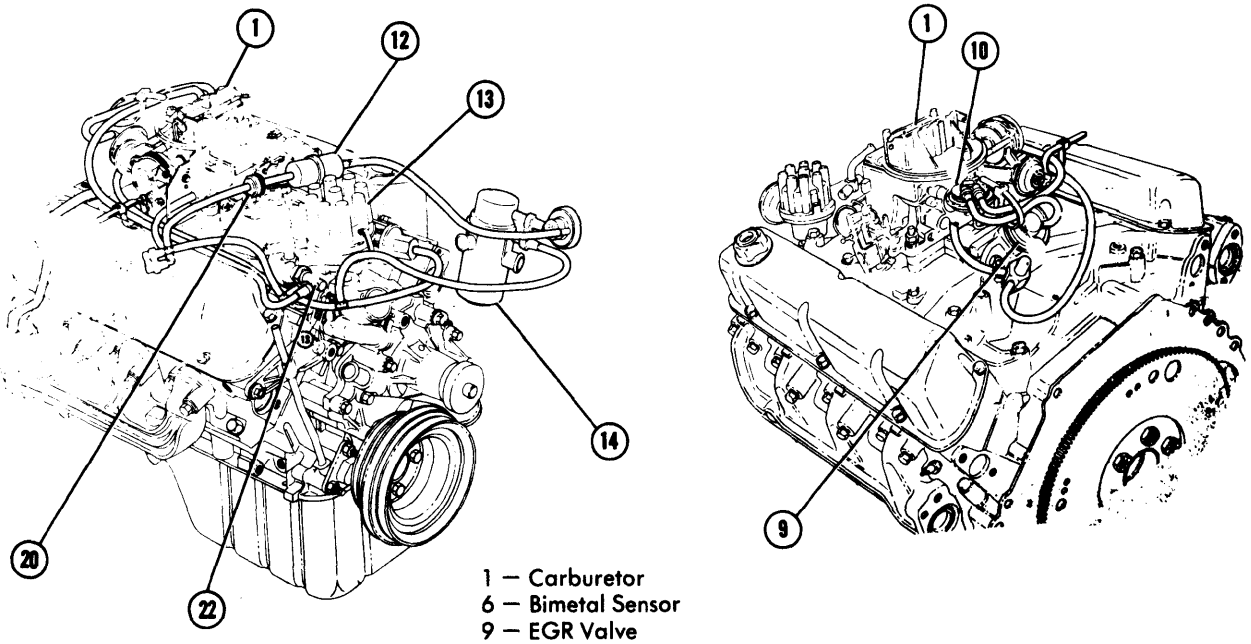
Fig. 3 300" 6-Cyl.



1 — Carburetor
6 — Bimetal Sensor
9 — EGR Valve
10 — EGR Backpressure Transducer
12 — Vacuum Reservoir
13 — Distributor
14 — Air Bypass Valve
16 — Temperature Vacuum Valve
19 — Thermal Delay Valve
20 — Retard Delay Valve (CSSA)
22 — EGR Ported Vacuum Switch
30 — A.I.R. Idle Vacuum Valve

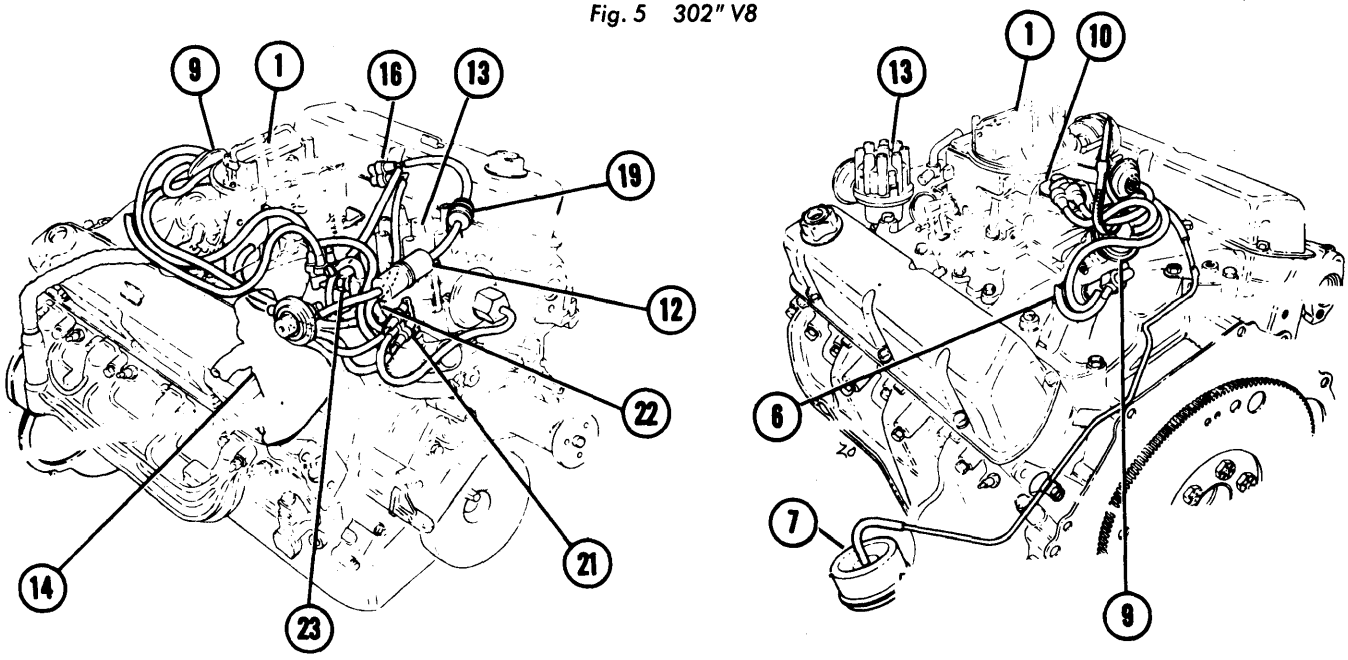
Fig. 4 302" V8

1976 Ford Motor Co. Vacuum Diagrams (Cont.)



1 — Carburetor
6 — Bimetal Sensor
9 — EGR Valve
10 — EGR Backpressure Transducer
12 — Vacuum Resevoir
13 — Distributor
14 — Air Bypass Valve
16 — Temperature Vacuum Valve
20 — Retard Delay Valve
22 — EGR Ported Vacuum Switch
30 — A.I.R. Idle Vacuum Valve

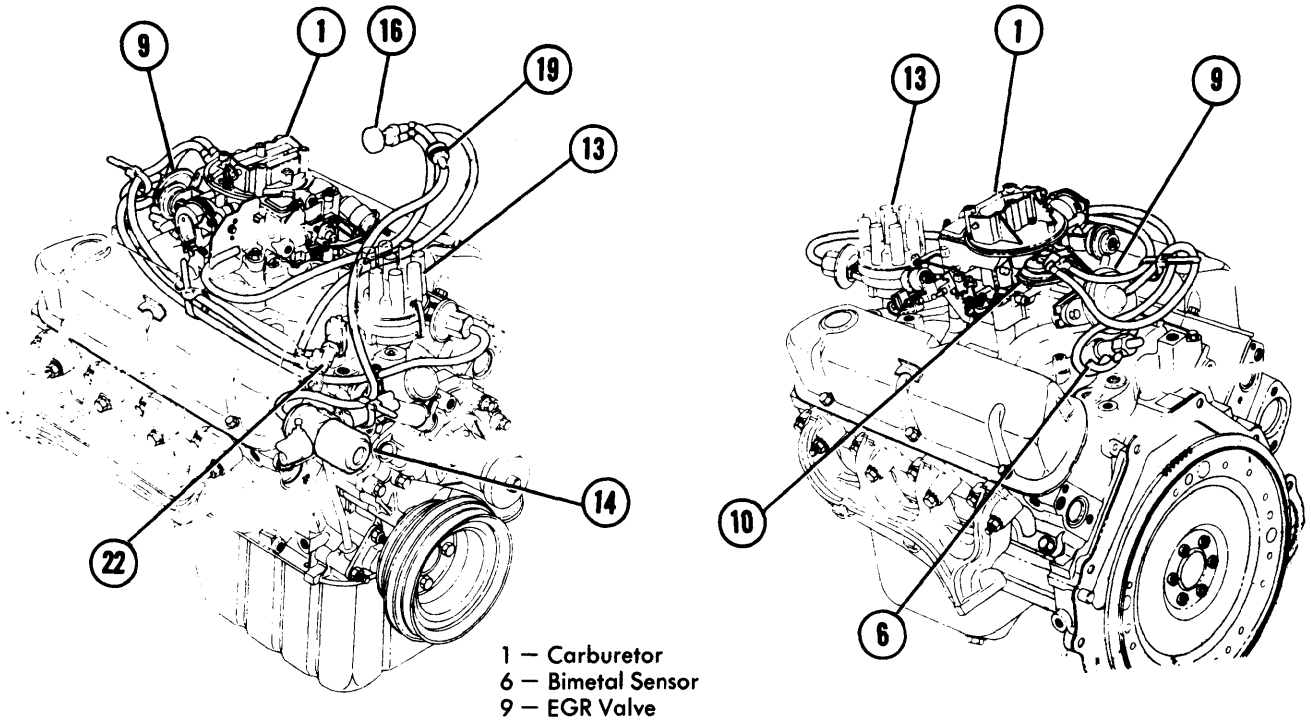
Fig. 5 302" V8



1 — Carburetor
6 — Bimetal Sensor
7 — VHC Valve
9 — EGR Valve
10 — EGR Backpressure Valve
12 — Vacuum Reservoir
13 — Distributor
14 — Air Bypass Valve
16 — Temperature Vacuum Valve
19 — Thermal Delay Valve
21 — Cooling Ported Vacuum Switch
22 — EGR Ported Vacuum Switch
23 — VHC Ported Vacuum Switch
30 — A.I.R. Idle Vacuum Valve

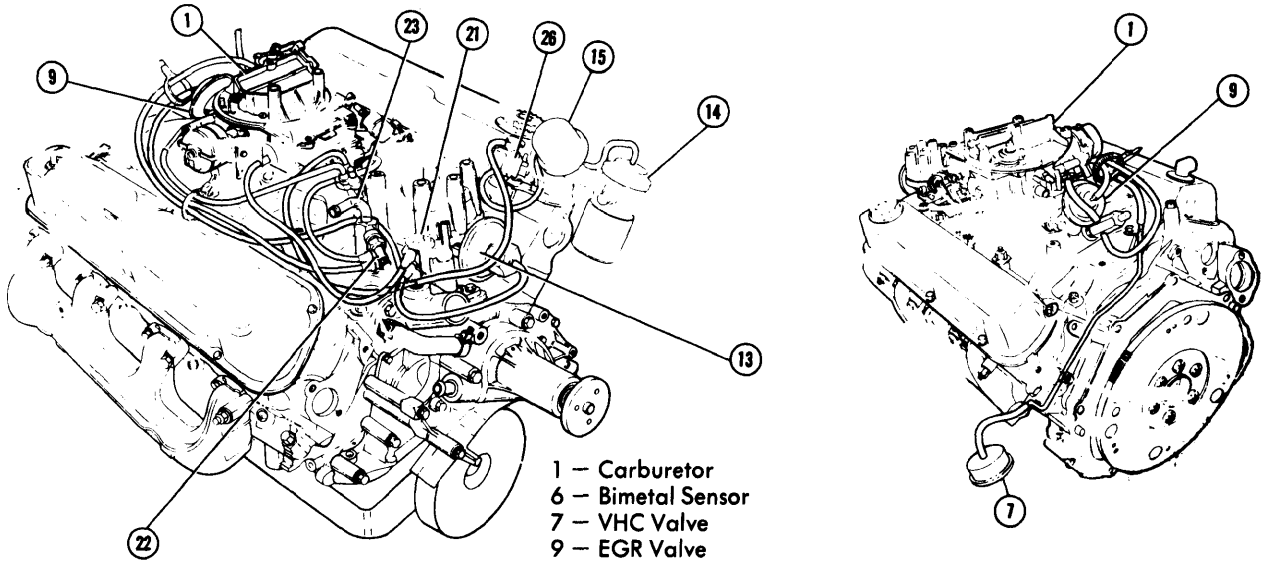
Fig. 6 302" V8

1975-79 EXHAUST EMISSION SYSTEMS
1976 Ford Motor Co. Vacuum Diagrams (Cont.)



1 — Carburetor
6 — Bimetal Sensor
9 — EGR Valve
10 — EGR Backpressure Transducer
13 — Distributor
14 — Air Bypass Valve
16 — Temperature Vacuum Valve
19 — Thermal Delay Valve
22 — EGR Ported Vacuum Switch

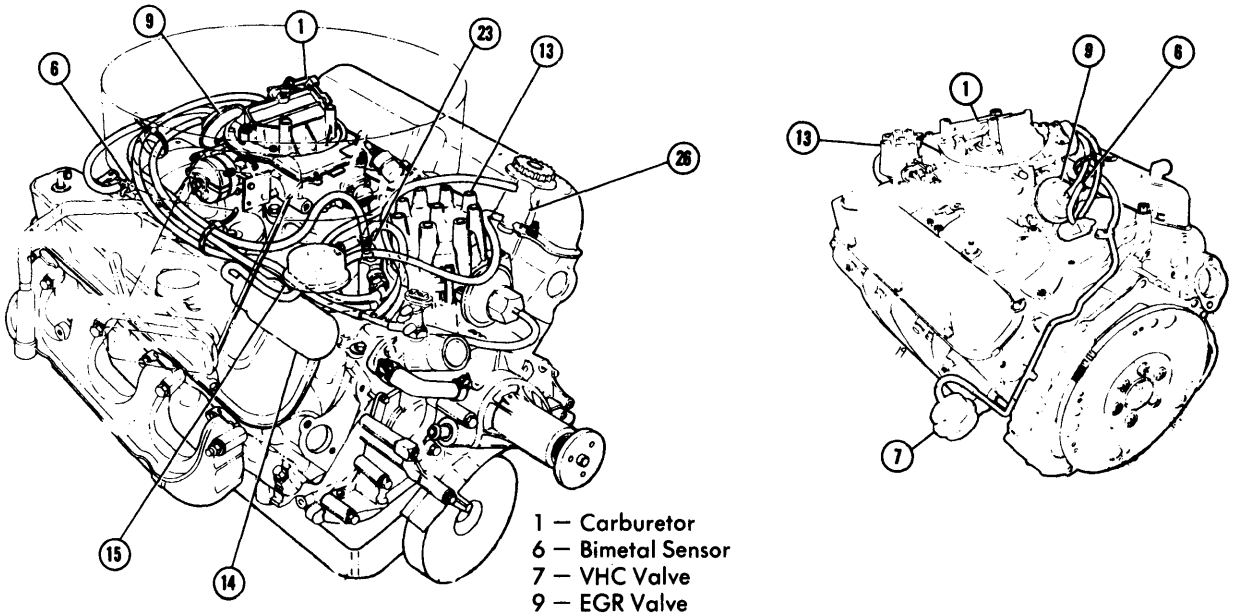
Fig. 7 302" V8



1 — Carburetor
6 — Bimetal Sensor
7 — VHC Valve
9 — EGR Valve
13 — Distributor
14 — Air Bypass Valve
15 — Vacuum Differential Valve
21 — Cooling Ported Vacuum Switch
22 — EGR Ported Vacuum Switch
23 — VHC Ported Vacuum Switch
26 — Vacuum Solenoid

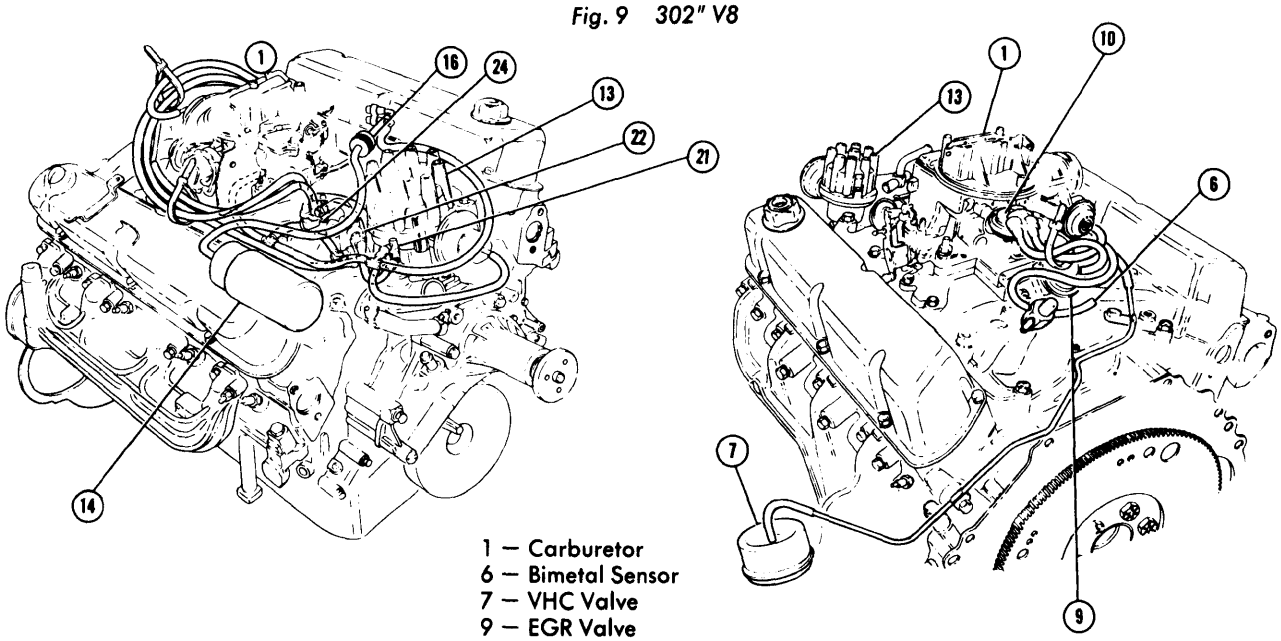
Fig. 8 302" V8

1976 Ford Motor Co. Vacuum Diagrams (Cont.)



1 — Carburetor
6 — Bimetal Sensor
7 — VHC Valve
9 — EGR Valve
13 — Distributor
14 — Air Bypass Valve
15 — Vacuum Differential Valve
22 — EGR Ported Vacuum Switch
23 — VHC Ported Vacuum Switch
26 — Vacuum Solenoid

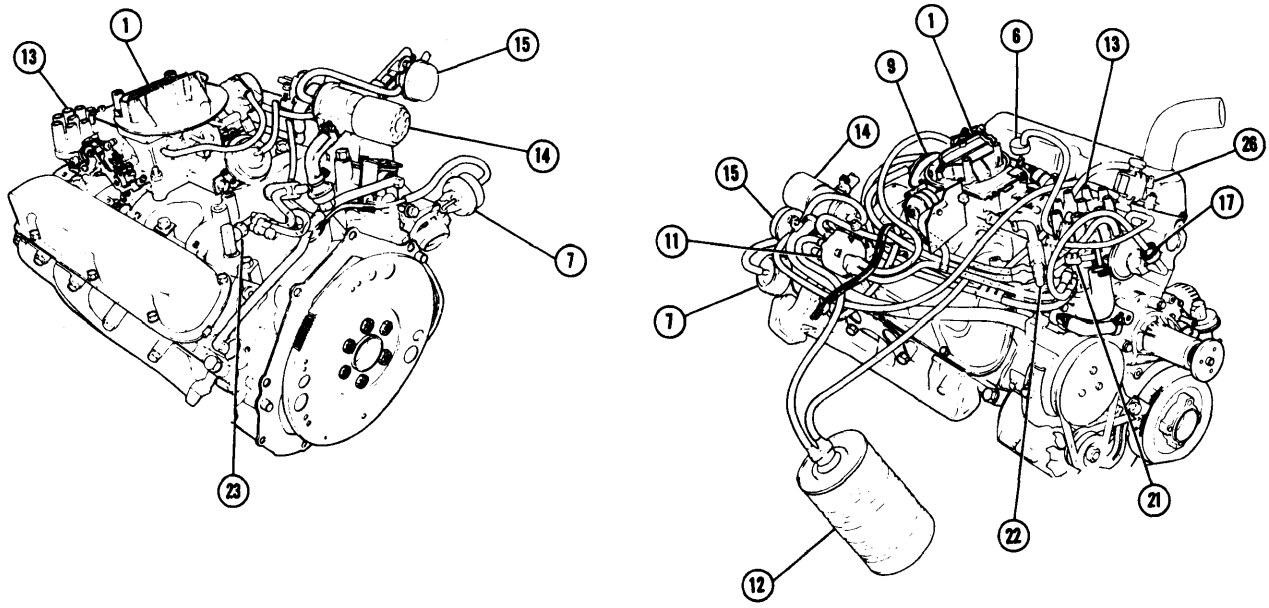
Fig. 9 302" V8



1 — Carburetor
6 — Bimetal Sensor
7 — VHC Valve
9 — EGR Valve
10 — EGR Backpressure Transducer
13 — Distributor
14 — Air Bypass Valve
16 — Temperature Vacuum Valve
21 — Cooling Ported Vacuum Switch
22 — EGR Ported Vacuum Switch
23 — VHC Ported Vacuum Switch
24 — CSSA Ported Vacuum Switch

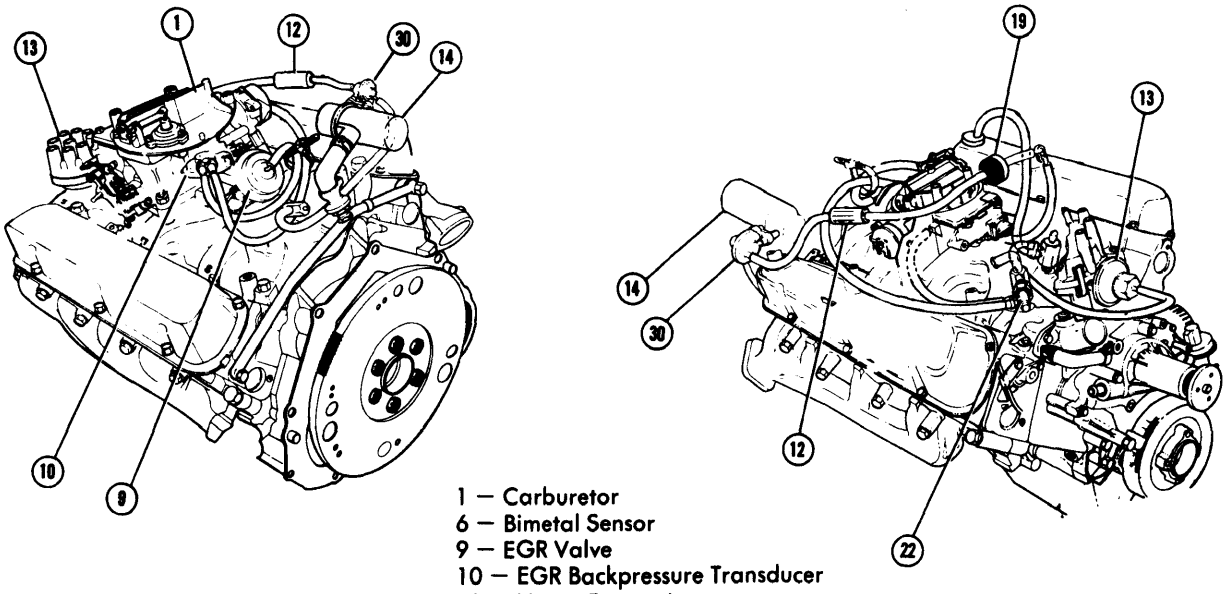
Fig. 10 302" V8

1975-79 EXHAUST EMISSION SYSTEMS
1976 Ford Motor Co. Vacuum Diagrams (Cont.)



1 — Carburetor
6 — Bimetal Sensor
7 — VHC Valve
9 — EGR Valve
11 — Vacuum Amplifier
12 — Vacuum Reservoir
13 — Distributor
14 — Air Bypass Valve
15 — Vacuum Differential Valve
17 — Spark Delay Valve
21 — Cooling Ported Vacuum Switch
22 — EGR Ported Vacuum Switch
23 — VHC Ported Vacuum Switch
26 — Vacuum Solenoid

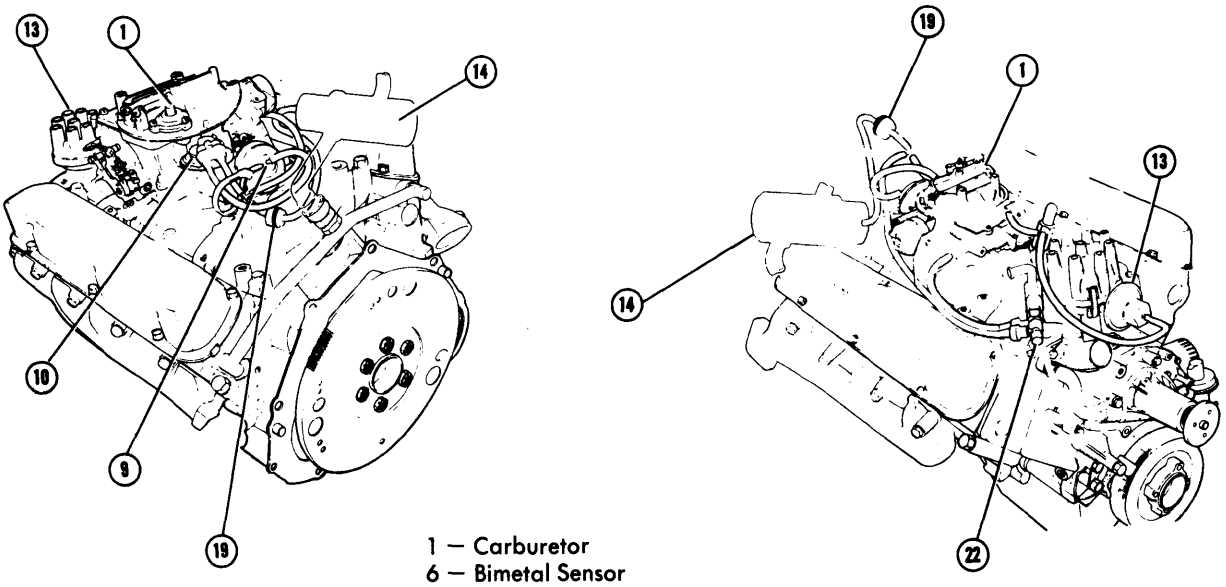
Fig. 11 351"W V8



1 — Carburetor
6 — Bimetal Sensor
9 — EGR Valve
10 — EGR Backpressure Transducer
12 — Vacuu Reservoir
13 — Distributor
14 — Air Bypass Valve
16 — Temperature Vacuum Valve
19 — Thermal Delay Valve
22 — EGR Ported Vacuum Switch
30 — A.I.R. Idle Vacuum Valve

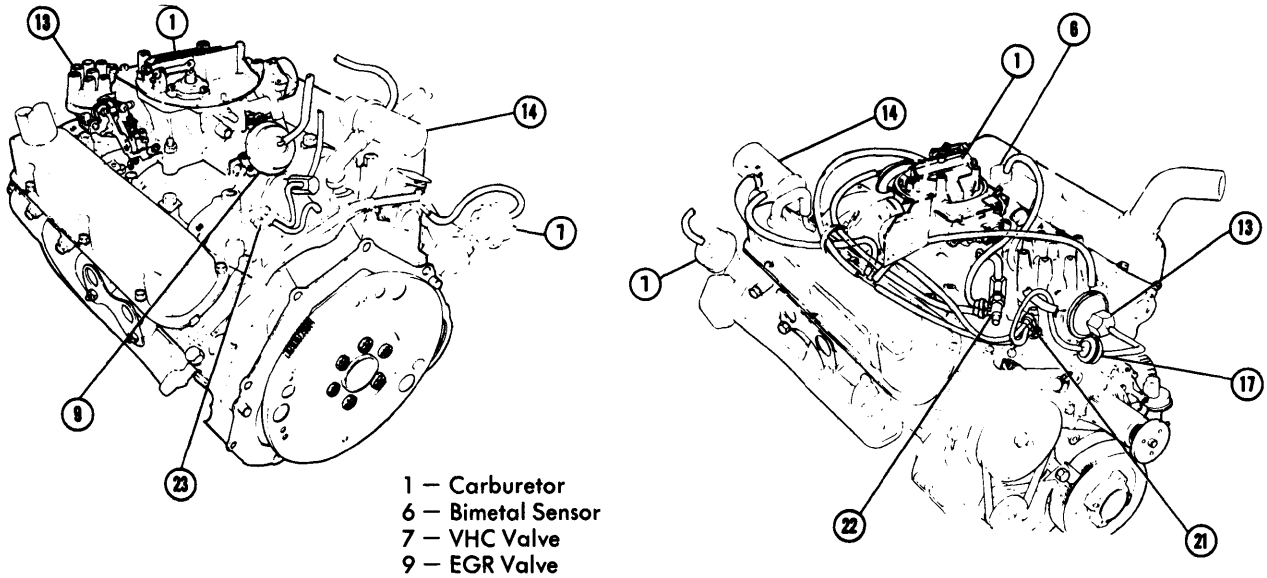
Fig. 12 351"W V8

1976 Ford Motor Co. Vacuum Diagrams (Cont.)



1 — Carburetor
6 — Bimetal Sensor
9 — EGR Valve
10 — EGR Backpressure Transducer
13 — Distributor
14 — Air Bypass Valve
19 — Thermal Delay Valve
22 — EGR Ported Vacuum Switch

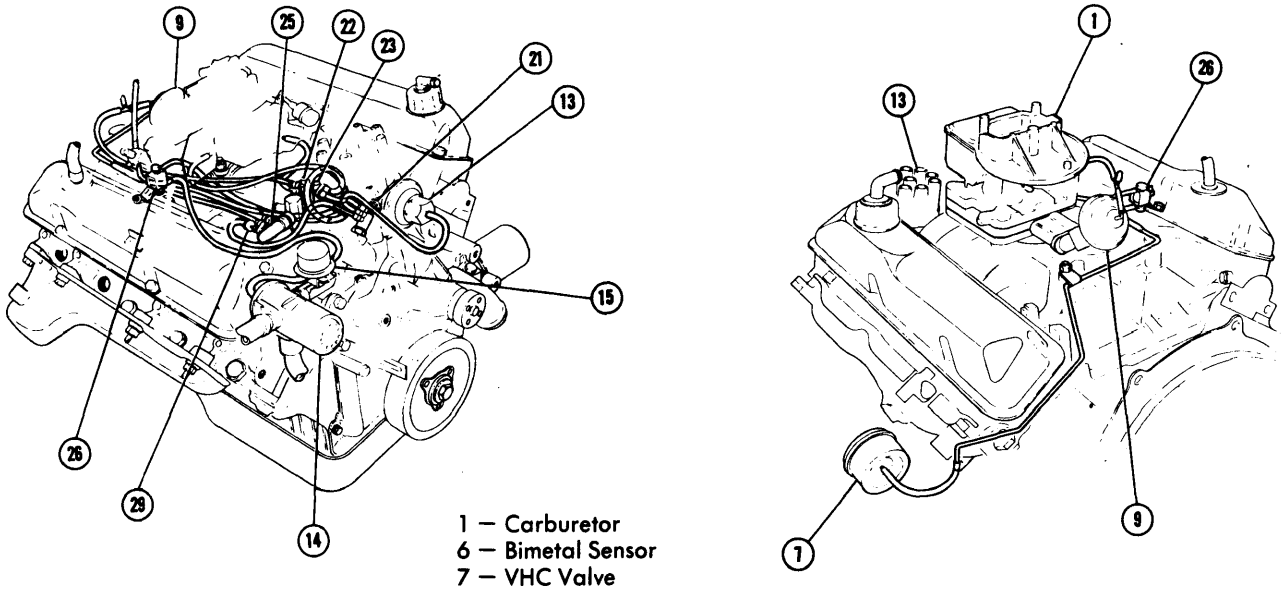
Fig. 13 351"W V8



1 — Carburetor
6 — Bimetal Sensor
7 — VHC Valve
9 — EGR Valve
13 — Distributor
14 — Air Bypass Valve
17 — Spark Delay Valve
21 — Cooling Ported Vacuum Switch
22 — EGR Ported Vacuum Switch
23 — VHC Ported Vacuum Switch

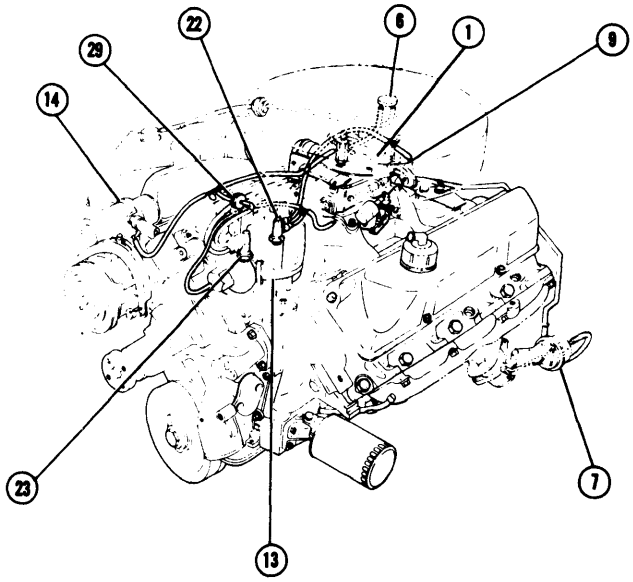
Fig. 14 351"W V8

1975-79 EXHAUST EMISSION SYSTEMS
1976 Ford Motor Co. Vacuum Diagrams (Cont.)



1 — Carburetor
6 — Bimetal Sensor
7 — VHC Valve
9 — EGR Valve
13 — Distributor
14 — Air Bypass Valve
15 — Vacuum Differential Valve
21 — Cooling Ported Vacuum Switch
22 — EGR Ported Vacuum Switch
23 — VHC Ported Vacuum Switch
25 — VHC Ported Vacuum Switch
26 — Vacuum Solenoid
29 — Vacuum Check Valve

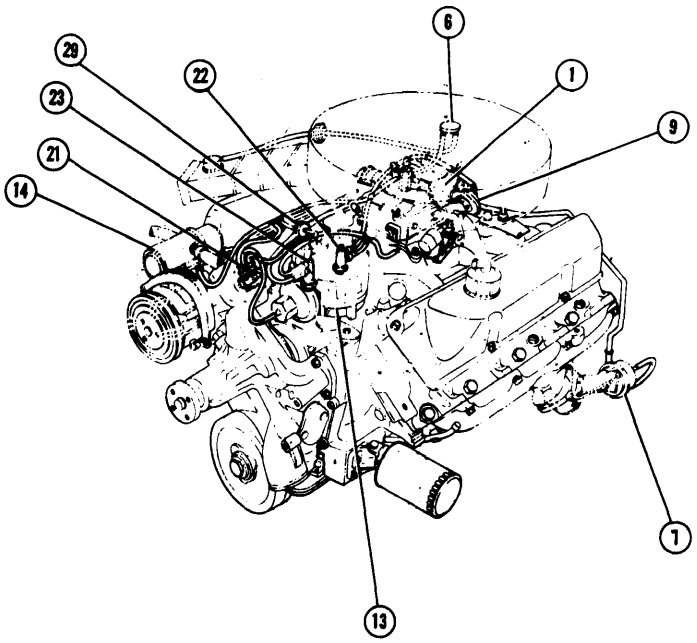
Fig. 15 360" V8



1 — Carburetor
6 — Bimetal Sensor
7 — VHC Valve
9 — EGR Valve
13 — Distributor
14 — Air Bypass Valve
22 — EGR Ported Vacuum Switch
23 — VHC Ported Vacuum Switch
29 — Vacuum Check Valve

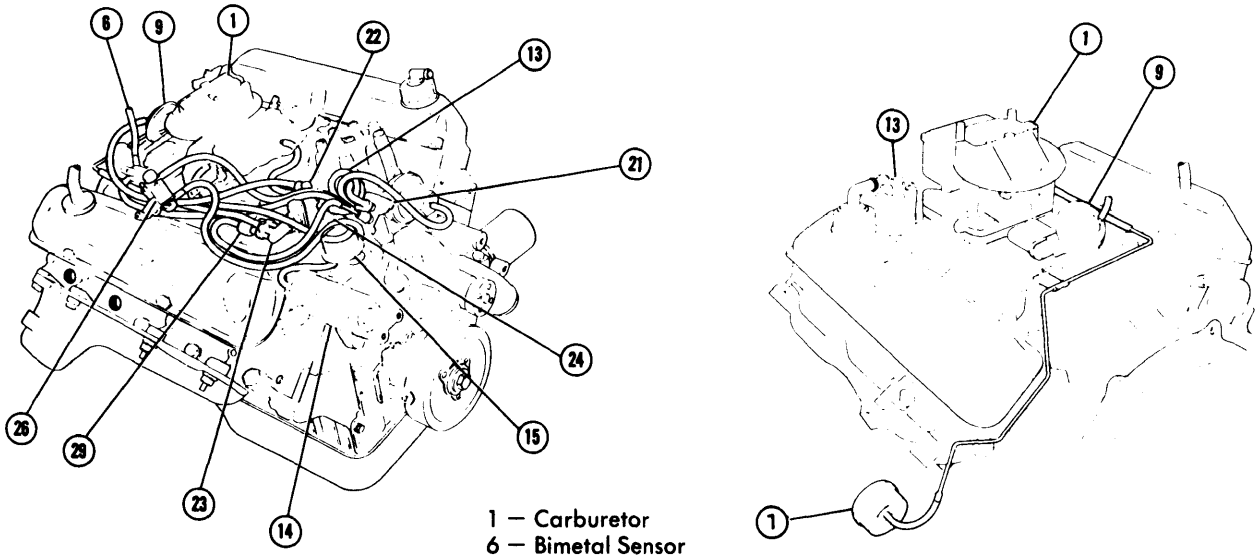
Fig. 16 360" V8

1975-79 EXHAUST EMISSION SYSTEMS
1976 Ford Motor Co. Vacuum Diagrams (Cont.)



1 — Carburetor
6 — Bimetal Sensor
7 — VHC Valve
9 — EGR Valve
13 — Distributor
14 — Air Bypass Valve
21 — Cooling Ported Vacuum Switch
22 — EGR Ported Vacuum Switch
23 — VHC Ported Vacuum Switch
29 — Vacuum Check Valve

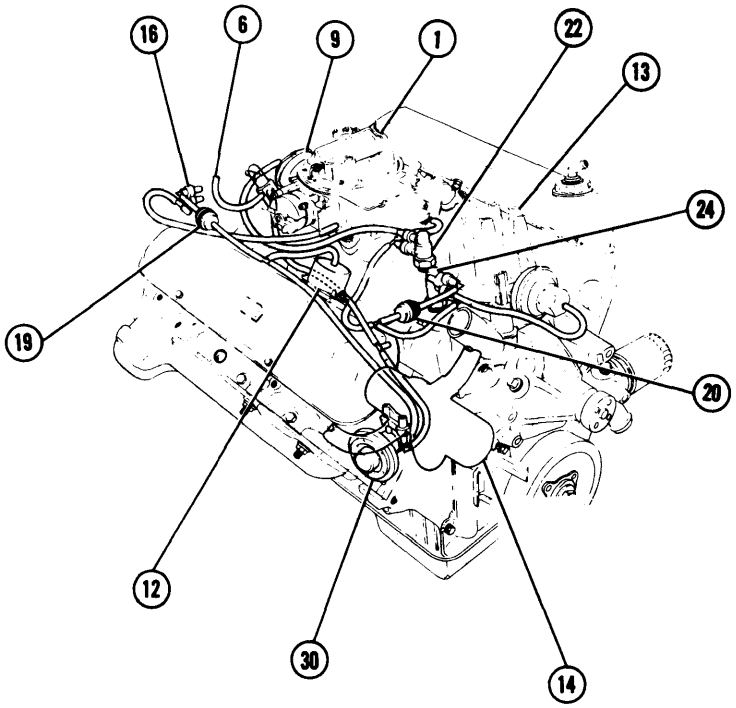
Fig. 17 360" V8



1 — Carburetor
6 — Bimetal Sensor
7 — VHC Valve
9 — EGR Valve
13 — Distributor
14 — Air Bypass Valve
15 — Vacuum Differential Valve
21 — Cooling Ported Vacuum Switch
22 — EGR Ported Vacuum Switch
23 — VHC Ported Vacuum Switch
24 — CSSA Ported Vacuum Switch
26 — Vacuum Solenoid
29 — Vacuum Check Valve

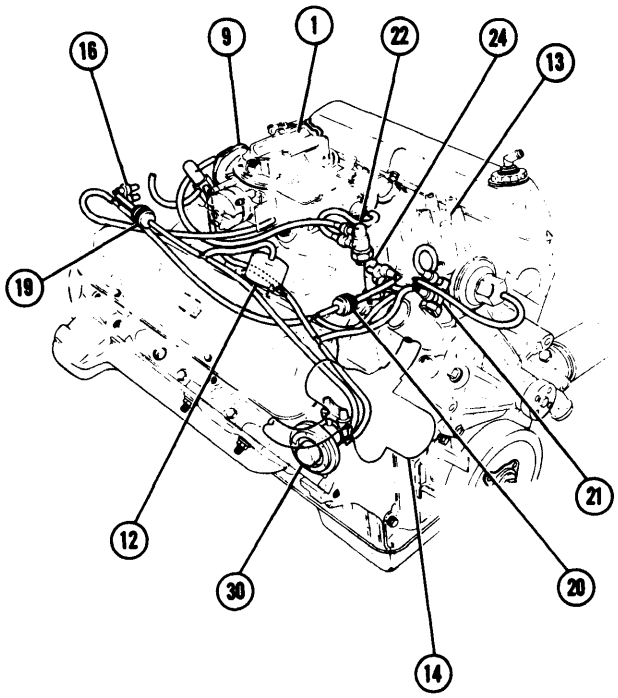
Fig. 18 360" V8

1975-79 EXHAUST EMISSION SYSTEMS
1976 Ford Motor Co. Vacuum Diagrams (Cont.)



1 — Carburetor
6 — Bimetal Sensor
9 — EGR Valve
12 — Vacuum Reservoir
13 — Distributor
14 — Air Bypass Valve
16 — Temperature Vacuum Valve
19 — Thermal Delay Valve
20 — Retard Delay Valve (CSSA)
22 — EGR Ported Vacuum Switch
24 — CSSA Ported Vacuum Switch
30 — A. I. R. Idle Vacuum Valve

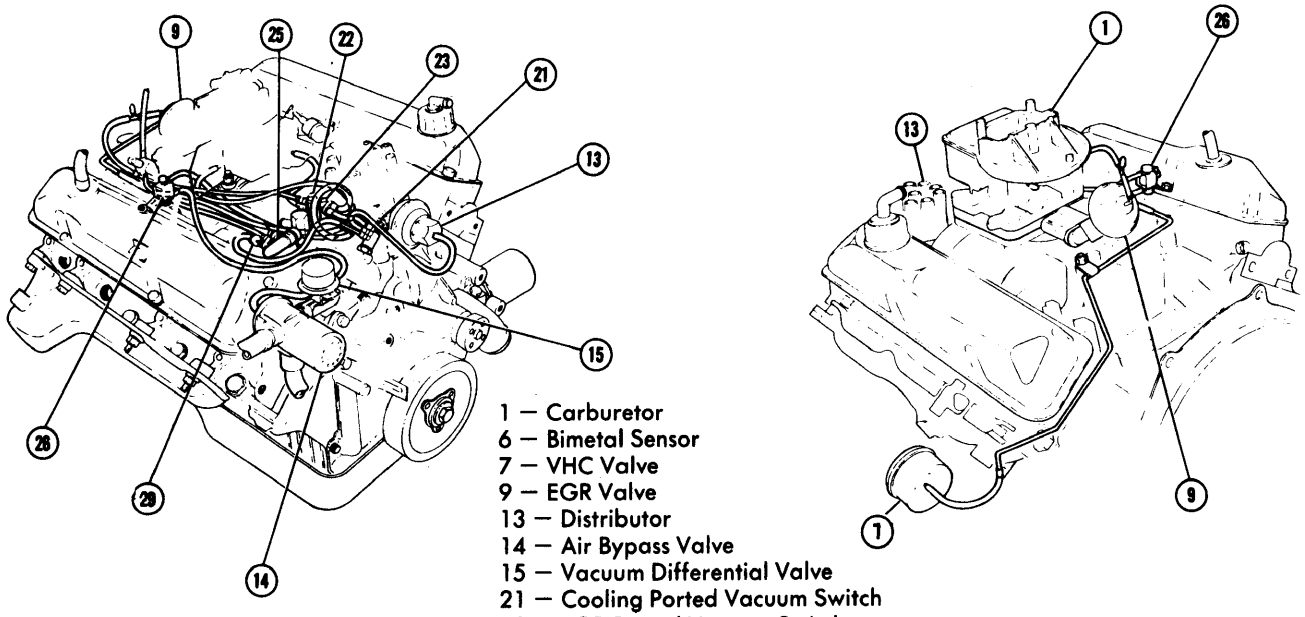
Fig. 19 360" V8



1 — Carburetor
6 — Bimetal Sensor
9 — EGR Valve
12 — Vacuum Reservoir
13 — Distributor
14 — Air Bypass Valve
16 — Temperature Vacuum Valve
19 — Thermal Delay Valve
20 — Retard Delay Valve (CSSA)
21 — Cooling Ported Vacuum Switch
22 — EGR Ported Vacuum Switch
24 — CSSA Ported Vacuum Switch
30 — A. I. R. Idle Vacuum Valve

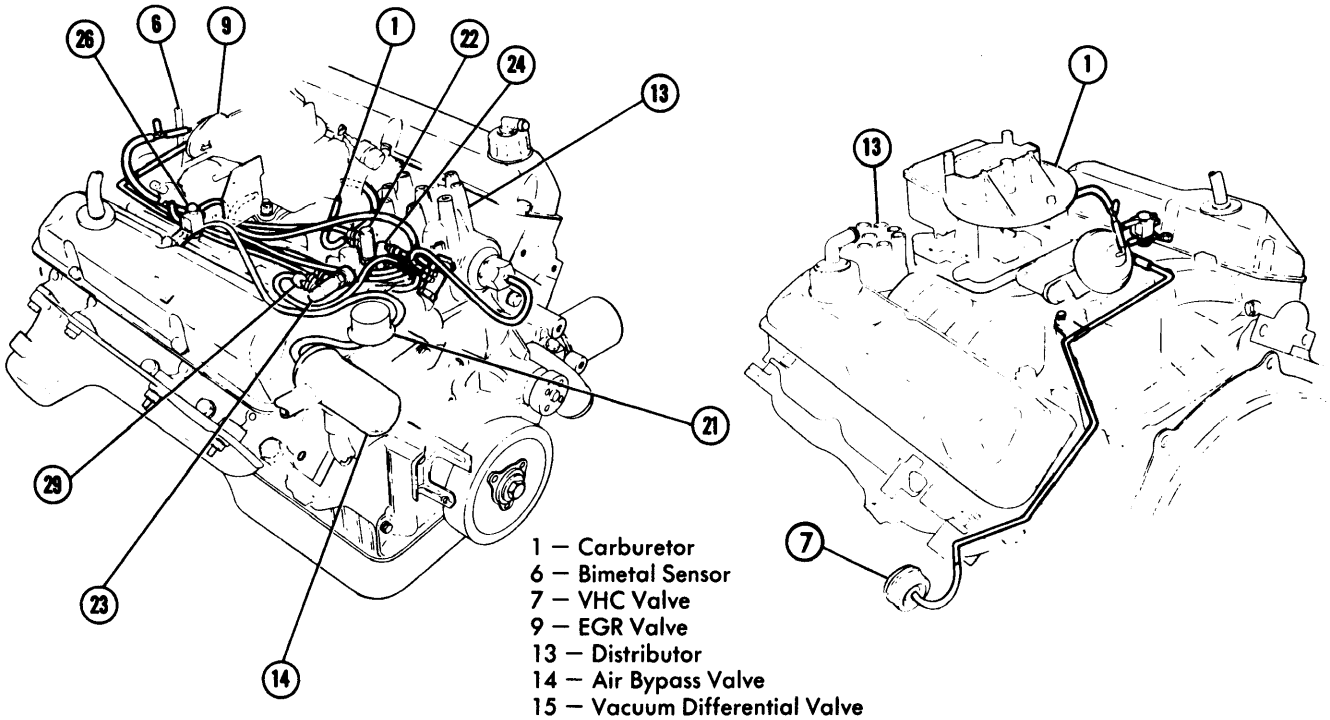
Fig. 20 360" V8

1975-79 EXHAUST EMISSION SYSTEMS
1976 Ford Motor Co. Vacuum Diagrams (Cont.)



1 — Carburetor
6 — Bimetal Sensor
7 — VHC Valve
9 — EGR Valve
13 — Distributor
14 — Air Bypass Valve
15 — Vacuum Differential Valve
21 — Cooling Ported Vacuum Switch
22 — EGR Ported Vacuum Switch
23 — VHC Ported Vacuum Switch
25 — VHC Ported Vacuum Switch
26 — Vacuum Solenoid
29 — Vacuum Check Valve

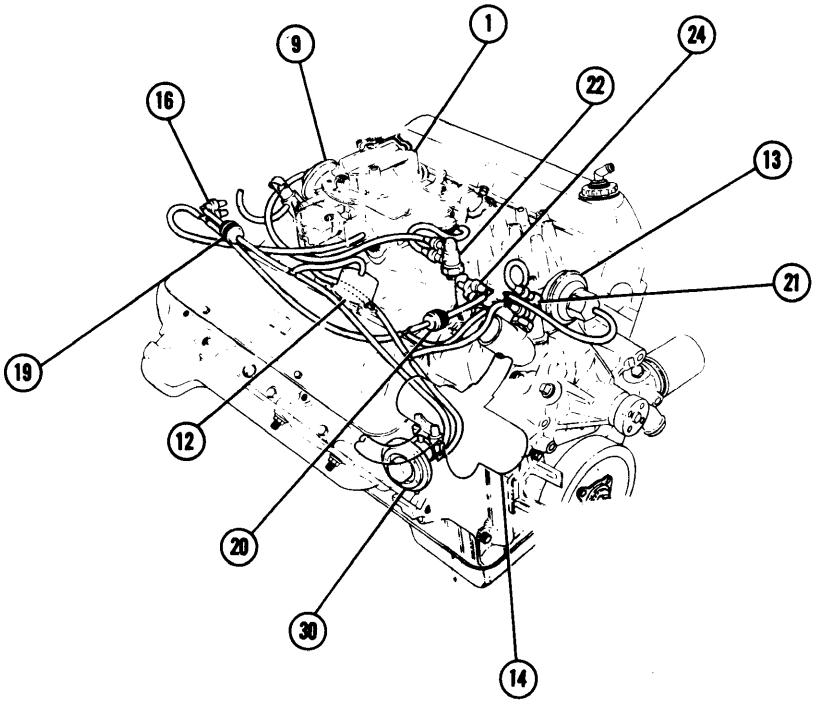
Fig. 21 390" V8



1 — Carburetor
6 — Bimetal Sensor
7 — VHC Valve
9 — EGR Valve
13 — Distributor
14 — Air Bypass Valve
15 — Vacuum Differential Valve
21 — Cooling Ported Vacuum Switch
22 — EGR Ported Vacuum Switch
23 — VHC Ported Vacuum Switch
24 — CSSA Ported Vacuum Switch
26 — Vacuum Solenoid
29 — Vacuum Check Valve

Fig. 22 390" V8

1975-79 EXHAUST EMISSION SYSTEMS
1976 Ford Motor Co. Vacuum Diagrams (Cont.)



1 — Carburetor
6 — Bimetal Sensor
9 — EGR Valve
12 — Vacuum Reservoir
13 — Distributor
14 — Air Bypass Valve
16 — Temperature Vacuum Valve
19 — Thermal Delay Valve
20 — Retard Delay Valve (CSSA)
21 — Cooling Ported Vacuum Switch
22 — EGR Ported Vacuum Switch
24 — CSSA Ported Vacuum Switch
30 — A. I. R. Idle Vacuum Valve

Fig. 23 390" V8

1 — Carburetor
6 — Bimetal Sensor
9 — EGR Valve
12 — Vacuum Reservoir
13 — Distributor
14 — Air Bypass Valve
16 — Temperature Vacuum Valve
19 — Thermal Delay Valve
20 — Retard Delay Valve (CSSA)
22 — EGR Ported Vacuum Switch
24 — CSSA Ported Vacuum Switch
30 — A. I.. R. Idle Vacuum Valve

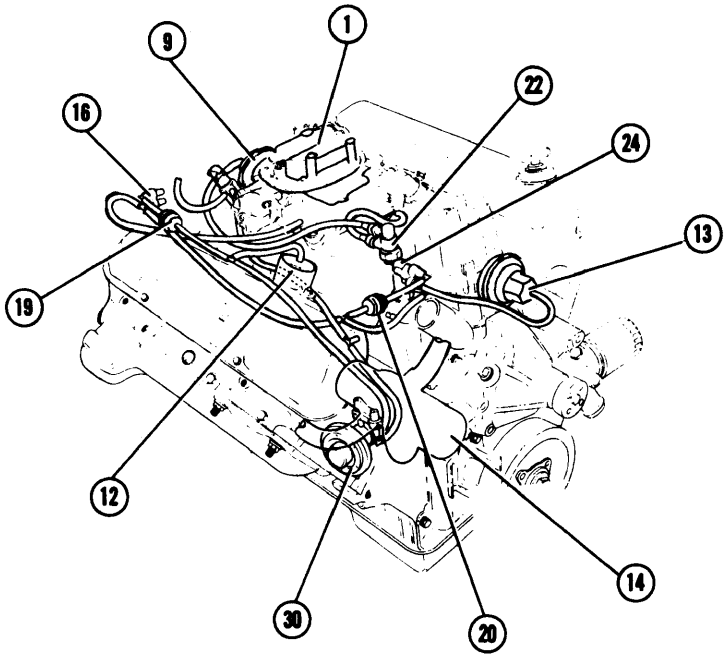


Fig. 24 390" V8