

SECTION 18

EEC-IV — Engine Supplement — Light Truck

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EEC-IV Diagnostic By Symptom

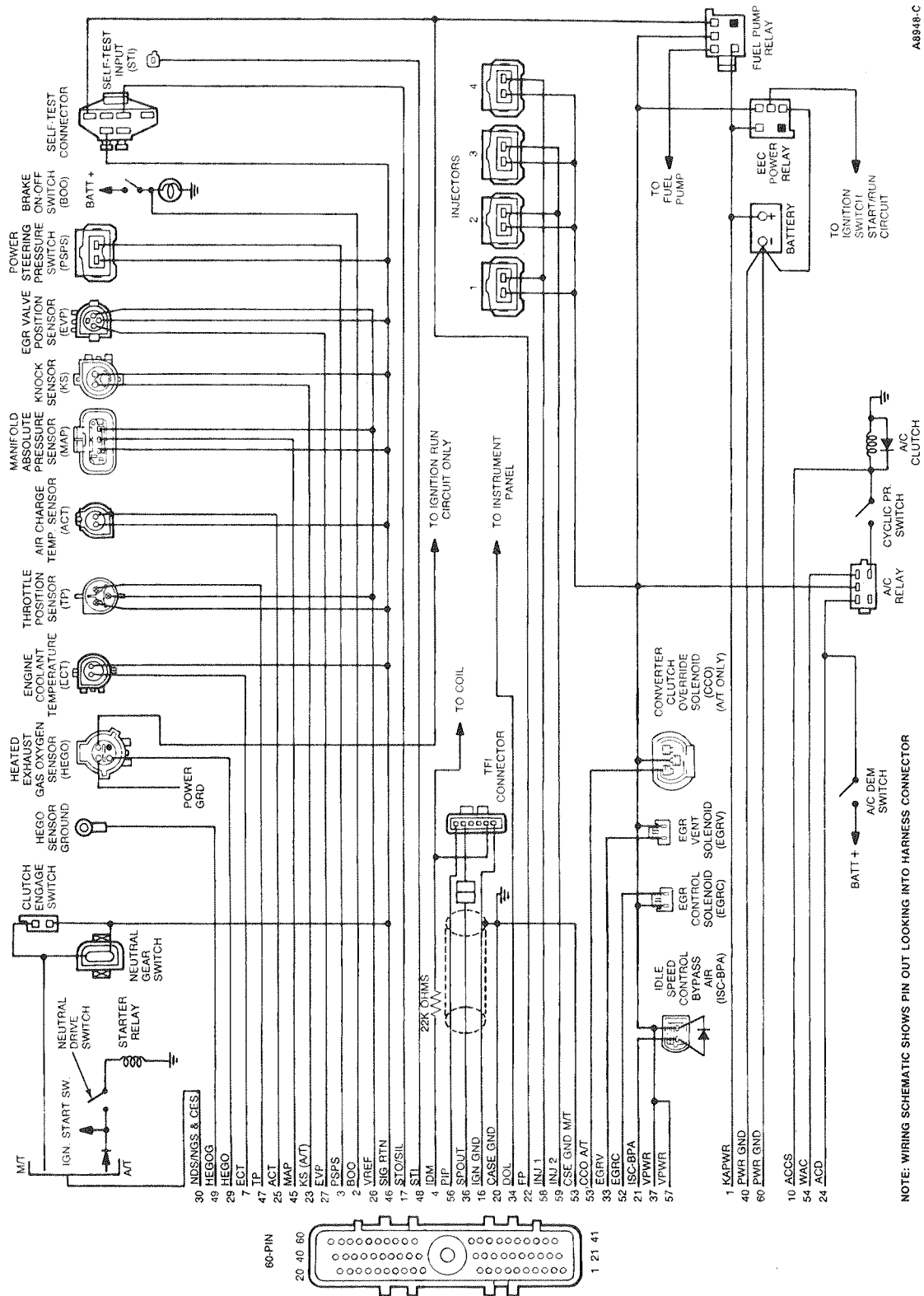
Truck

NOTE: You should only enter Diagnostic by Symptom when directed here from Section 16.

Symptom	Pinpoint Test Step Direction						
	2.3L EFI	2.9L EFI	3.0L EFI	4.9L EFI	5.0L EFI	5.8L EFI	7.5L EFI
Engine runs rough or misses Engine stalls Lack of power Rough idle Erratic rpm Surges Stalls in Self-Test	S1	S1	S1	S1	S1	S1	S1
Stall during parking maneuvers	FF3	FF3	FF3	FF3	FF3	—	—
A/C Compressor runs continuously	KM25	—	—	—	—	—	—
Surges with A/C on at idle	KM20	—	—	—	—	—	—
A/C does not cut off under WOT conditions	KM10	KM10	KM10	—	—	—	—
A/C not functioning	KM1	KM1	KM1	—	—	—	—
Low idle with A/C On	FA10	FA10	FA10	FA10	FA10	FA10	FA10
"CHECK ENGINE" light always on	—	ML1	ML1	ML1	ML1	ML1	ML1
"CHECK ENGINE" light never on	—	ML5	ML5	ML5	ML5	ML5	ML5
Stumble after hot restart	H20	H20	H20	H20	H20	H20	H20
Fuel pump runs with engine off	J22	—	—	—	—	—	—
Gasoline fumes under hood	—	—	—	—	—	—	KD1
Spark knock	DG1 or VOL. H SEC. 6	—	—	DG1 or VOL. H SEC. 6	DG1 or VOL. H SEC. 6	—	—
Poor idle quality Rolling idle Shifts harshly Poor fuel economy	—	—	T90	—	—	—	—

Electrical Schematic

2.3L EFI



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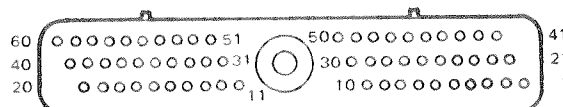
EEC-IV Module Connector Pin Usage

2.3L EFI

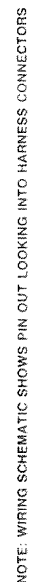
RANGER/BRONCO II

Pin	Circuit	Wire Color	Application	Abbreviations
1	37A	Y	Keep Alive Power	KAPWR
2	511	LG	Brake On/Off	BOO
3	330	Y/LG	Power Steering Pressure Switch	PSPS
4	11B	DG/Y	Ignition Diagnostic Monitor	IDM
7	354	LG/Y	Engine Coolant Temperature	ECT
10	347	BK/Y	A/C Cycle Pressure Switch	ACCS
16	57A	BK	Ignition Ground	IGN GND
17	201	T/R	Self-Test Output	STO
20	57	BK	Case Ground	CSE GND
21	67	GY/W	Idle Speed Control (Bypass Air)	ISC-BPA
22	97B	T/LG	Fuel Pump	FP
23	99	LG/BK	Knock Sensor (A/T only)	KS
24	348	LG/P	A/C Demand	ACD
25	310	Y/R	Air Charge Temperature	ACT
26	351	O/W	Reference Voltage	VREF
27	352	BR/LG	EGR Valve Position	EVP
29	94	DG/P	Heated Exhaust Gas Oxygen Sensor	HEGO
30	614	GY/O	Neutral Drive Switch (A/T)	NDS
30	200	W/BK	Neutral Gear Switch and Clutch Engage Switch (M/T)	NGS/CES
33	360	DG	Exhaust Gas Recirculation Vent	EGRV
36	324A	Y/LG	Spark Output	SPOUT
37	361A	R	Vehicle Power	VPWR
40	60A	BK/LG	Power Ground	PWR GND
45	356	DB/LG	Manifold Absolute Pressure	MAP
46	359	BK/W	Signal Return	SIG RTN
47	355	DG/LG	Throttle Position Sensor	TP
48	100	W/R	Self-Test Input	STI
49	89	O	Heated Exhaust Gas Oxygen Sensor Ground	HEGOG
52	362	Y	Exhaust Gas Recirculation Control	EGRC
53	237	O/Y	Clutch Converter Override (A/T only)	CCO
54	331	R	W.O.T. A/C Cut Off	WAC
56	349	DB	Profile Ignition Pick-Up	PIP
57	361B	R	Vehicle Power	VPWR
58	96	T/O	Injector (Bank 1)	INJ 1
59	95	T/R	Injector (Bank 2)	INJ 2
60	60B	BK/LG	Power Ground	PWR GRD

Pin locations given for reference only. Probing 60 pin connector with DVOM probe will result in permanent damage to the pin connectors. Always probe as directed, using the Breakout Box.



**2.9L
EFI**



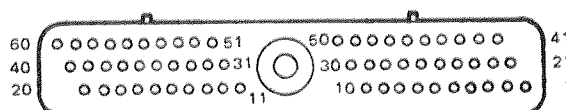
29126-C

EEC-IV Module Connector Pin Usage

2.9L EFI

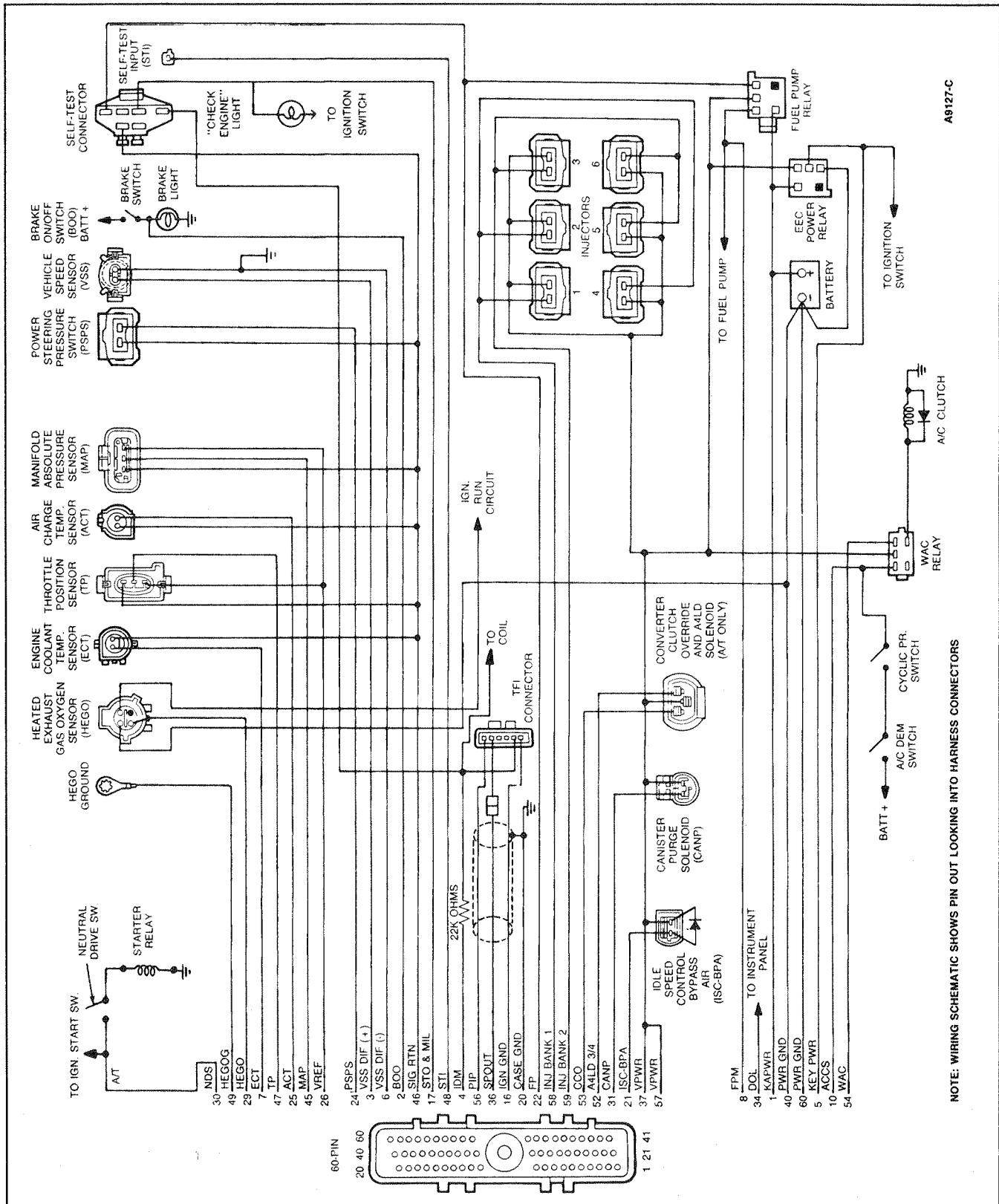
Pin	Circuit	Wire Color	Application	Abbreviations
1	37A	Y	Keep Alive Power	KAPWR
2	511	LG	Brake On-Off (A/T only)	BOO
3	150	DG/W	Vehicle Speed Sensor +	VSS DIF +
4	11B	DG/Y	Ignition Diagnostic Monitor	IDM
6	397B	BK/W	Vehicle Speed Sensor -	VSS DIF -
7	354	LG/Y	Engine Coolant Temp. Sensor	ECT
8	238A	O/LB	Fuel Pump Monitor	FPM
10	347	BK/Y	A/C Cycle Pressure Switch	ACCS
16	57	BK	Ignition Ground	IGN GND
17	201	T/R	Self-Test Output and "Check Engine" Light	STO and MIL
20	60D	BK/LG	Case Ground	CASE GND
21	67	GY/W	Idle Speed Control (Bypass Air)	ISC-BPA
22	97	T/LG	Fuel Pump	FP
25	357	LG/P	Air Charge Temp. Sensor	ACT
26	351	O/W	Reference Voltage	VREF
29	94	DG/P	Heated Exhaust Gas Oxygen Sensor	HEGO
30	33	W/PK	Neutral Drive Switch (A/T Only)	NDS
30	200B	W/BK	Neutral Gear Switch and Clutch Engage Switch (M/T)	NGS/CES
36	324A	Y/LG	Spark Output	SPOUT
37	361B	R	Vehicle Power	VPWR
40	60C	BK/LG	Power Ground	PWR GND
45	356	DB/LG	Manifold Absolute Pressure Sensor	MAP
46	359	BK/W	Signal Return	SIG RTN
47	355	DG/LG	Throttle Position Sensor	TP
48	100	W/R	Self-Test Input	STI
49	89	O	Heated Exhaust Gas Oxygen Sensor Ground	HEGOG
52	224	T/LB	Automatic 4 Speed Lock Drive (3-4 Shift)	A4LD 3/4
53	332	W	Clutch Converter Override (Not used on M/T)	CCO
54	331	R	W.O.T. A/C Cut-Off	WAC
56	349	DB	Profile Ignition Pick-Up	PIP
57	361A	R	Vehicle Power	VPWR
58	556	W	Injector (Bank 1 Controls Engine Cylinder Numbers 1, 2 and 4)	INJ 1
59	555	T	Injector (Bank 2 Controls Engine Cylinder Numbers 3, 5 and 6)	INJ 2
60	60B	BK/LG	Power Ground	PWR GND

Pin locations given for reference only. Probing 60 pin connector with DVOM probe will result in permanent damage to the pin connectors. Always probe as directed, using the Breakout Box.



Electrical Schematic

3.0L EFI



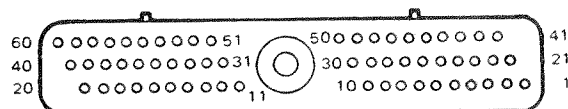
A9127-C

EEC-IV Module Connector Pin Usage

3.0L EFI

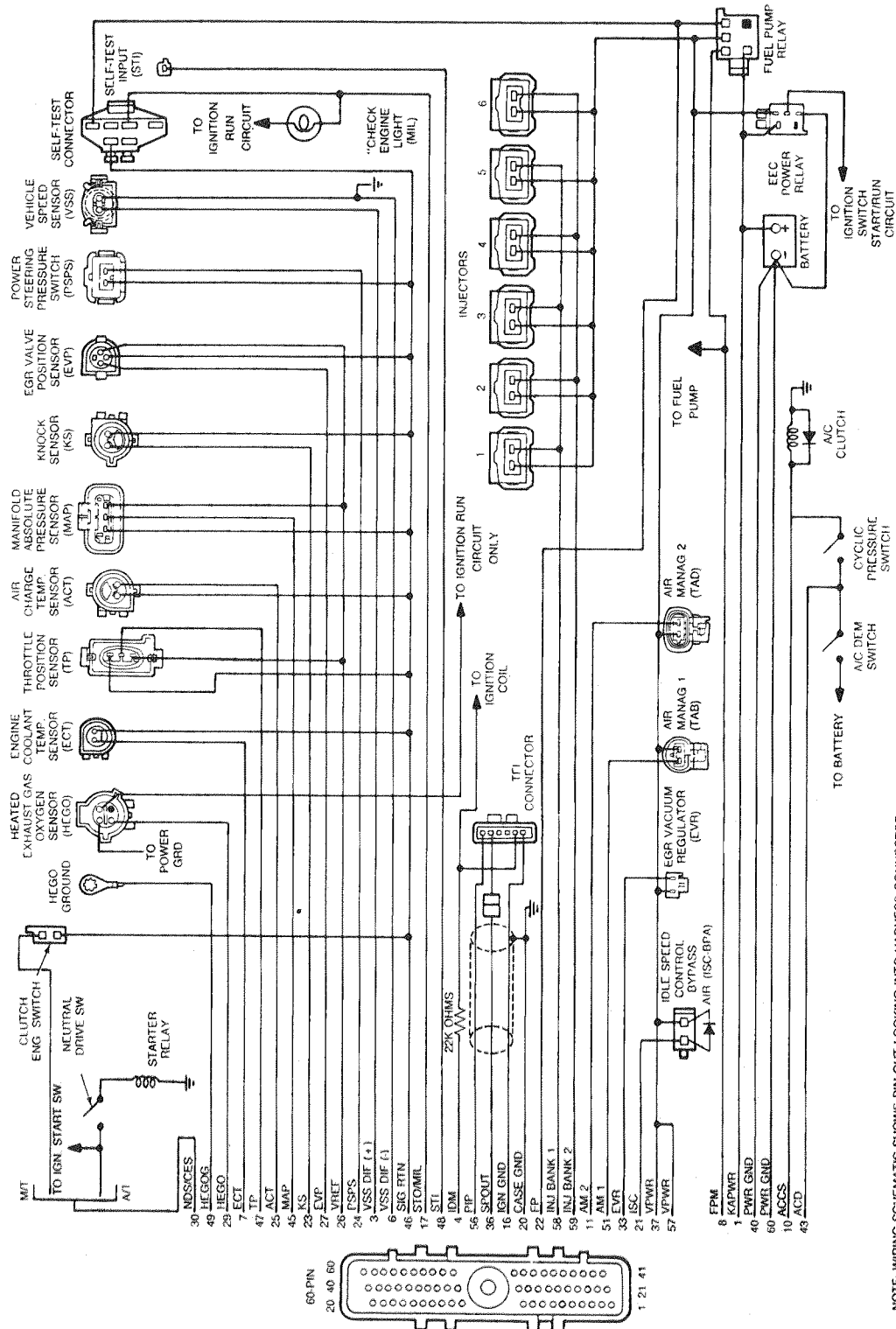
Pin	Circuit	Wire Color	Application	Abbreviations
1	37A	Y	Keep Alive Power	KAPWR
2	810	R/LG	Brake ON-OFF	BOO
3	150	DG/W	Vehicle Speed Sensor Differential Positive	VSSDIF +
4	11	DG/Y	Ignition Diagnostic Monitor	IDM
6	397	BK/W	Vehicle Speed Sensor Differential Negative	VSSDIF -
7	354	LG/Y	Engine Coolant Temperature Sensor	ECT
8	238A	O/LB	Fuel Pump Monitor	FPM
10	347	BK/Y	A/C Cycle Pressure Switch	ACCS
16	259	BK/O	Ignition Ground	IGN GND
17	201	T/R	Self-Test Output and "Check Engine" Light	STO and MIL
20	57	BK	Case Ground	CASE GND
21	68	O/BK	Idle Speed Control (Bypass Air)	ISC-BPA
22	97	T/LG	Fuel Pump	FP
24	330	Y/LG	Power Steering Pressure Switch	PSPS
25	357	LG/P	Air Charge Temperature Sensor	ACT
26	351	O/W	Reference Voltage	VREF
29	94	DG/P	Heated Exhaust Gas Oxygen Sensor	HEGO
30	200	W/BK	Neutral Gear Switch and Clutch Engage Switch M/T	NGS and CES
30	151	LB/BK	Neutral Drive Switch A/T Only	NDS
31	101	GY/Y	Canister Purge	CANP
34	305	LB/PK	Data Output Link	DOL
36	324A	Y/LG	Spark Output	SPOUT
37	361A	R	Vehicle Power	VPWR
40	60A	BK/LG	Power Ground	PWR GND
45	356	DB/LG	Manifold Absolute Pressure Sensor	MAP
46	359	BK/W	Signal Return	SIG RTN
47	355	DG/LG	Throttle Position Sensor	TP
48	100	W/R	Self-Test Input	STI
49	89	O	Heated Exhaust Gas Oxygen Sensor Ground	HEGOG
52	224	T/LB	Automatic 4 Speed Lock Drive (3-4 Shift)	A4LD3/4
53	332	W	Converter Clutch Override (Not used on M/T)	CCO
54	331	R	W.O.T. A/C Cut-Off	WAC
56	349	DB	Profile Ignition Pick-Up	PIP
57	361B	R	Vehicle Power	VPWR
58	96	T/O	Injector (Bank 1 — Controls Engine Cylinder Numbers 1, 2 and 4)	INJ 1
59	95	T/R	Injector (Bank 2 — Controls Engine Cylinder Numbers 3, 5 and 6)	INJ 2
60	60B	BL/LG	Power Ground	PWR GND

Pin locations given for reference only. Probing 60 pin connector with DVOM probe will result in permanent damage to the pin connectors. Always probe as directed, using the Breakout Box.



Electrical Schematic

4.9L EFI



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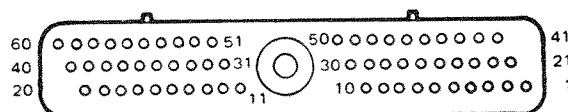
EEC-IV Module Connector Pin Usage

4.9L EFI

F-SERIES/BRONCO

Pin	Circuit	Wire Color	Application	Abbreviations
1	37A	Y	Keep Alive Power	KAPWR
3	150	DG/W	Vehicle Speed Sensor +	VSS DIF +
4	11D	DG/Y	Ignition Diagnostic Module	IDM
6	57D	BK	Vehicle Speed Sensor -	VSS DIF -
7	354	LG/Y	Engine Coolant Temperature Sensor	ECT
8	276	BR	Fuel Pump Monitor	FPM
10	347	BK/Y	A/C Clutch	ACC
11	200	W/BK	Air Management 2 (TAD)	AM 2
16	259	BK/O	Ignition Ground	IGN GND
17	658	PK/LG	Self-Test Output and "Check Engine" Light	STO and MIL
20	57	BK	Case Ground	CASE GND
21	67	GY/W	Idle Speed Control (Bypass Air)	ISC-BPA
22	97B	T/LG	Fuel Pump	FS
23	99	LG/BK	Knock Sensor	KS
24	330	Y/LG	Power Steering Pressure Switch (A/T only)	PSPS
25	310	Y/R	Air Charge Temperature Sensor	ACT
26	351	O/W	Reference Voltage	VREF
27	352	BR/LG	EGR Valve Position Sensor	EVP
29	94	DG/P	Heated Exhaust Gas Oxygen Sensor	HEGO
30	481	GY/Y	Neutral Drive Switch (A/T)/Clutch Engage Switch (M/T)	NDS/CES
33	360	DG	EGR Vacuum Regulator (Solenoid)	EVR
36	324	Y/LG	Spark Output	SPOUT
37	361B	R	Vehicle Power	VPWR
40	60A	BK/LG	Power Ground	PWR GND
43	348	LG/P	A/C Demand	ACD
45	356	DB/LG	Manifold Absolute Pressure	MAP
46	359	BK/W	Signal Return	SIG RTN
47	355	DG/LG	Throttle Position Sensor	TP
48	100	W/R	Self-Test Input	STI
49	89	O	Heated Exhaust Gas Oxygen Ground	HEGOG
51	190	W/R	Air Management 1	AM 1
56	349	DB	Profile Ignition Pick-Up	PIP
57	361A	R	Vehicle Power	VPWR
58	96	T/O	Injector (Bank 1 — Controls Engine Cylinder Numbers 1, 3 and 5)	INJ 1
59	95	T/R	Injector (Bank 2 — Controls Engine Cylinder Numbers 2, 4 and 6)	INJ 2
60	60	BK/LG	Power Ground	PWR GND

Pin locations given for reference only. Probing 60 pin connector with DVOM probe will result in permanent damage to the pin connectors. Always probe as directed, using the Breakout Box.



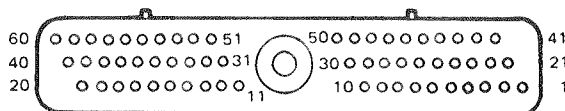
EEC-IV Module Connector Pin Usage

4.9L EFI

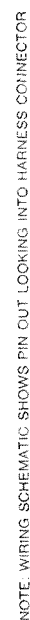
ECONOLINE

Pin	Circuit	Wire Color	Application	Abbreviations
1	38B	BK/O	Keep Alive Power	KAPWR
3	150A	DG/W	Vehicle Speed Sensor +	VSS DIF +
4	11A	DG/Y	Ignition Diagnostic Module	IDM
6	145	GY/BK	Vehicle Speed Sensor -	VSS DIF -
7	354	LG/Y	Engine Coolant Temperature Sensor	ECT
8	238B	O/LB	Fuel Pump Monitor	FPM
10	347	BK/Y	A/C Clutch	ACC
11	200	W/BK	Air Management 2 (TAD)	AM2
16	259	BK/O	Ignition Ground	IGN GND
17	201	T/R	Self-Test Output and "Check Engine" Light	STO and MIL
20	57	BK	Case Ground	CASE GND
21	67	GY/W	Idle Speed Control (Bypass Air)	ISC — BPA
22	97	T/LG	Fuel Pump	FP
23	99	LG/BK	Knock Sensor	KS
24	330	Y/LG	Power Steering Pressure Switch (A/T only)	PSPS
25	310	Y/R	Air Charge Temperature Sensor	ACT
26	351	O/W	Reference Voltage	VREF
27	352	BR/LG	EGR Valve Position Sensor	EVP
29	94	DG/P	Heated Exhaust Gas Oxygen Sensor	HEGO
30	33A	W/PK	Neutral Drive Switch (A/T)	NDS
30	199	LB/Y	Clutch Engage Switch (M/T)	CES
33	360	DG	EGR Vacuum Regulator (Solenoid)	EVR
36	324A	Y/LG	Spark Output	SPOUT
37	361B	R	Vehicle Power	VPWR
40	60C	BK/LG	Power Ground	PWR GND
43	348	LG/P	A/C Demand	ACD
45	356	DB/LG	Manifold Absolute Pressure	MAP
46	359	BK/W	Signal Return	SIG RTN
47	355	DG/LG	Throttle Position Sensor	TP
48	100	W/R	Self-Test Input	STI
49	89	O	Heated Exhaust Gas Oxygen Ground	HEGOG
51	190	W/R	Air Management 1 (TAB)	AM1
56	349	DB	Profile Ignition Pick-Up	PIP
57	361A	R	Vehicle Power	VPWR
58	96	T/O	Injector (Bank 1 — Controls Engine Cylinder Numbers 1, 3 and 5)	INJ 1
59	95	T/R	Injector (Bank 2 — Controls Engine Cylinder Numbers 2, 4 and 6)	INJ 2
60	60B	BK/LG	Power Ground	PWR GND

Pin locations given for reference only. Probing 60 pin connector with DVOM probe will result in permanent damage to the pin connectors. Always probe as directed, using the Breakout Box.



5.0L EFI



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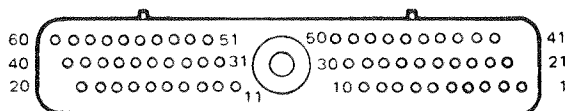
EEC-IV Module Connector Pin Usage

5.0L EFI

F-SERIES/BRONCO

Pin	Circuit	Wire Color	Application	Abbreviations
1	37A	Y	Keep Alive Power	KAPWR
3	150	DG/W	Vehicle Speed Sensor +	VSS DIF +
4	11B	DG/Y	Ignition Diagnostic Monitor	IDM
6	57D	BK	Vehicle Speed Sensor -	VSS DIF -
7	354	LG/Y	Engine Coolant Temperature Sensor	ECT
8	276	BR	Fuel Pump Monitor	FPM
10	347	BK/Y	A/C Cycling Switch	ACCS
11	200	W/BK	Air Management 2 (TAD)	AM-2
16	259	BK/O	Ignition Ground	IGN GND
17	658	PK/LG	Self-Test Output and "Check Engine" Light	STO and MIL
20	57	BK	Case Ground	CASE GND
21	67	GY/W	Idle Speed Control (Bypass Air)	ISC — BPA
22	97B	T/LG	Fuel Pump	FP
23	99	LG/BK	Knock Sensor	KS
24	330	Y/LG	Power Steering Pressure Switch	PSPS
25	310	Y/R	Air Charge Temperature Sensor	ACT
26	351	O/W	Reference Voltage	VREF
27	352	BR/LG	EGR Valve Position Sensor	EVP
29	94	DG/P	Heated Exhaust Oxygen Sensor	HEGO
30	481	GY/Y	Neutral Drive Switch	NDS
33	360	DG	EGR Vacuum Regulator (Solenoid)	EVR
36	324	Y/LG	Spark Output	SPOUT
37	361B	R	Vehicle Power	VPWR
40	60A	BK/LG	Power Ground	PWR GND
45	356	DB/LG	Manifold Absolute Pressure	MAP
46	359	BK/W	Signal Return	SIG RTN
47	355	DG/LG	Throttle Position Sensor	TP
48	100	W/R	Self-Test Input	STI
49	89	O	Heated Exhaust Oxygen Ground	HEGOG
51	190	W/R	Air Management 1 (TAB)	AM-1
56	349	DB	Profile Ignition Pick-Up	PIP
57	361A	R	Vehicle Power	VPWR
58	96	T/O	Injector (Bank 1 — Controls Engine Cylinder Numbers 1, 4, 5 and 8)	INJ 1
59	95	T/R	Injector (Bank 2 — Controls Engine Cylinder Numbers 2, 3, 6 and 7)	INJ 2
60	60	BK/LG	Power Ground	PWR GND

Pin locations given for reference only. Probing 60 pin connector with DVOM probe will result in permanent damage to the pin connectors. Always probe as directed, using the Breakout Box.



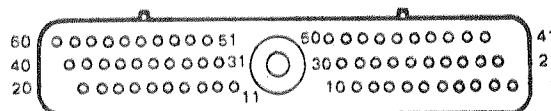
EEC-IV Module Connector Pin Usage

5.0L EFI

ECONOLINE

Pin	Circuit	Wire Color	Application	Abbreviations
1	38B	BK/O	Keep Alive Power	KAPWR
3	150	DG/W	Vehicle Speed Sensor +	VSS DIF +
4	11	DG/Y	Ignition Diagnostic Monitor	IDM
6	145	GY/BK	Vehicle Speed Sensor -	VSS DIF -
7	354	LG/Y	Engine Coolant Temperature Sensor	ECT
8	238	O/LB	Fuel Pump Monitor	FPM
10	347	BK/Y	A/C Cycling Switch	ACCS
11	200	W/BK	Air Management 2 (TAD)	AM 2
16	259	BK/O	Ignition Ground	IGN GND
17	201	T/R	Self-Test Output and "Check Engine" Light	STO and MIL
20	57	BK	Case Ground	CASE GND
21	67	GY/W	Idle Speed Control (Bypass Air)	ISC-BPA
22	97	T/LG	Fuel Pump	FP
23	99	LG/BK	Knock Sensor	KS
24	330	Y/LG	Power Steering Pressure Switch	PSPS
25	310	Y/R	Air Charge Temperature Sensor	ACT
26	351	O/W	Reference Voltage	VREF
27	352	BR/LG	EGR Valve Position Sensor	EVP
29	94	DG/P	Heated Exhaust Gas Oxygen Sensor	HEGO
30	376	BR/W	Neutral Drive Switch	NDS
33	360	DG	EGR Vacuum Regulator (Solenoid)	EVR
36	324	Y/LG	Spark Output	SPOUT
37	361	R	Vehicle Power	VPWR
40	60B	BK/LG	Power Ground	PWR GND
45	356	DB/LG	Manifold Absolute Pressure	MAP
46	359	BR/W	Signal Return	SIG RTN
47	355	DG/LG	Throttle Position Sensor	TP
48	100	W/R	Self-Test Input	STI
49	89	O	Heated Exhaust Gas Oxygen Ground	HEGOG
51	190	W/R	Air Management 1 (TAB)	AM 1
56	349	DB	Profile Ignition Pick-Up	PIP
57	361A	R	Vehicle Power	VPWR
58	96	T/O	Injector (Bank 1 — Controls Engine Cyl. Numbers 1, 4, 5 and 8)	INJ 1
59	95	T/R	Injector (Bank 2 — Controls Engine Cyl. Numbers 2, 3, 6 and 7)	INJ 2
60	60A	BK/LG	Power Ground	PWR GND

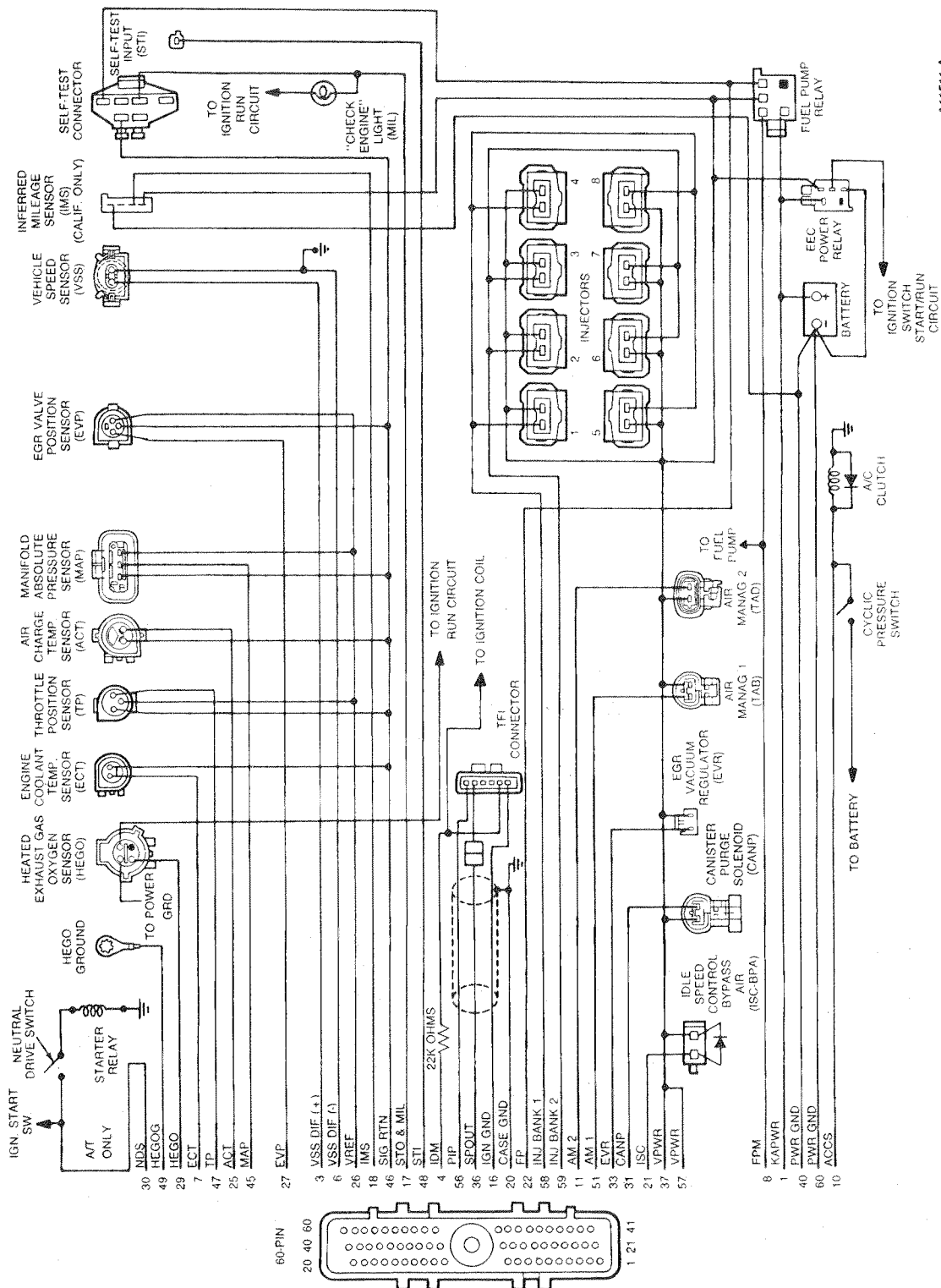
Pin locations given for reference only. Probing 60 pin connector with DVOM probe will result in permanent damage to the pin connectors. Always probe as directed, using the Breakout Box.



Electrical Schematic

5.8L EFI

PLEASE REFER TO TSB 87-18-20 FOR EEC-IV MODULE CONNECTOR PIN USAGE FOR INFERRED MILEAGE SENSOR.



A11511-A

NOTE: WIRING SCHEMATIC SHOWS PIN OUT LOOKING INTO HARNESS CONNECTOR

EEC-IV Module Connector Pin Usage

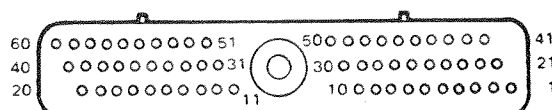
5.8L EFI

F-SERIES/BRONCO

PLEASE REFER TO TSB 87-18-20 FOR: EEC-IV MODULE CONNECTOR PIN USAGE FOR INFERRED MILEAGE SENSOR.

Pin	Circuit	Wire Color	Application	Abbreviations
1	37A	Y	Keep Alive Power	KAPWR
3	150	DG/W	Vehicle Speed Sensor +	VSS DIF +
4	11B	DG/Y	Ignition Diagnostic Monitor	IDM
6	57D	BK	Vehicle Speed Sensor -	VSS DIF -
7	354	LG/Y	Engine Coolant Temperature Sensor	ECT
8	276	BR	Fuel Pump Monitor	FPM
10	347	BK/Y	A/C Cycling Switch	ACCS
11	200	W/BK	Air Management 2 (TAD)	AM-2
16	259	BK/O	Ignition Ground	IGN GND
17	658	PK/LG	Self-Test Output and "Check Engine" Light	STO and MIL
18	223	T/LG	Inferred Mileage Sensor	IMS
20	57	BK	Case Ground	CASE GND
21	67	GY/W	Idle Speed Control — Bypass Air	ISC — BPA
22	97B	T/LG	Fuel Pump	FP
25	310	Y/R	Air Charge Temperature Sensor	ACT
26	351	O/W	Reference Voltage	VREF
27	352	BR/LG	EGR Valve Position Sensor	EVP
29	94	DG/P	Heated Exhaust Oxygen Sensor	HEGO
30	481	GY/Y	Neutral Drive Switch (A/T Only)	NDS
31	101	GY/Y	Canister Purge — Solenoid	CANP
33	360	DG	EGR Vacuum Regulator (Solenoid)	EVR
36	324	Y/LG	Spark Output	SPOUT
37	361B	R	Vehicle Power	VPWR
40	60A	BK/LG	Power Ground	PWR GND
45	356	DB/LG	Manifold Absolute Pressure	MAP
46	359	BK/W	Signal Return	SIG RTN
47	355	DG/LG	Throttle Position Sensor	TP
48	100	W/R	Self-Test Input	STI
49	89	O	Heated Exhaust Oxygen Ground	HEGOG
51	190	W/R	Air Management 1 (TAB)	AM-1
56	349	DB	Profile Ignition Pick-Up	PIP
57	361A	R	Vehicle Power	VPWR
58	96	T/O	Injector Bank 1 (Controls Engine Cylinder Numbers 1, 4, 5 and 8)	INJ 1
59	95	T/R	Injector Bank 2 (Controls Engine Cylinder Numbers 2, 3, 6 and 7)	INJ 2
60	60	BK/LG	Power Ground	PWR GND

Pin locations given for reference only. Probing 60 pin connector with DVOM probe will result in permanent damage to the pin connectors. Always probe as directed, using the Breakout Box.



EEC-IV Module Connector Pin Usage

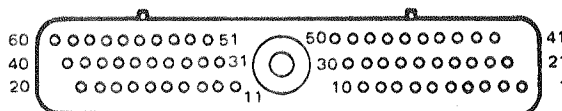
5.8L EFI

ECONOLINE

PLEASE REFER TO TSB 87-18-20 FOR: EEC-IV MODULE CONNECTOR PIN USAGE FOR INFERRED MILEAGE SENSOR.

Pin	Circuit	Wire Color	Application	Abbreviations
1	38B	BK/O	Keep Alive Power	KAPWR
3	150	DG/W	Vehicle Speed Sensor +	VSS DIF +
4	11	DG/Y	Ignition Diagnostic Monitor	IDM
6	145	GY/BK	Vehicle Speed Sensor -	VSS DIF -
7	354	LG/Y	Engine Coolant Temperature Sensor	ECT
8	238	O/LB	Fuel Pump Monitor	FPM
10	347	BK/Y	A/C Cycling Switch	ACCS
11	200	W/BK	Air Management 2 (TAD)	AM 2
16	259	BK/O	Ignition Ground	IGN GND
17	201	T/R	Self-Test Output and "Check Engine" Light	STO and MIL
18	223	T/LG	Inferred Mileage Sensor	IMS
20	57	BK	Case Ground	CASE GND
21	67	GY/W	Idle Speed Control — Bypass Air	ISC-BPA
22	97	T/LG	Fuel Pump	FP
25	310	Y/R	Air Charge Temperature Sensor	ACT
26	351	O/W	Reference Voltage	VREF
27	352	BR/LG	EGR Valve Position Sensor	EVP
29	94	DG/P	Heated Exhaust Gas Oxygen Sensor	HEGO
30	376	BR/W	Neutral Drive Switch	NDS
31	101	GY/Y	Canister Purge Solenoid	CANP
33	360	DG	EGR Vacuum Regulator (Solenoid)	EVR
36	324	Y/LG	Spark Output	SPOUT
37	361	R	Vehicle Power	VPWR
40	60B	BK/LG	Power Ground	PWR GND
45	356	DB/LG	Manifold Absolute Pressure	MAP
46	359	BR/W	Signal Return	SIG RTN
47	355	DG/LG	Throttle Position Sensor	TP
48	100	W/R	Self-Test Input	STI
49	89	O	Heated Exhaust Gas Oxygen Ground	HEGOG
51	190	W/R	Air Management 1 (TAB)	AM 1
56	349	D/B	Profile Ignition Pick-Up	PIP
57	361A	R	Vehicle Power	VPWR
58	96	T/O	Injector Bank 1 (Controls Engine Cyl. Nos. 1, 4, 5, and 8)	INJ BANK 1
59	95	T/R	Injector Bank 2 (Controls Engine Cyl. Nos. 2, 3, 6, and 7)	INJ BANK 2
60	60A	BK/LG	Power Ground	PWR GND

Pin locations given for reference only. Probing 60 pin connector with DVOM probe will result in permanent damage to the pin connectors. Always probe as directed, using the Breakout Box.



**7.5L
EFI**



NOTE: WIRING SCHEMATIC SHOWS PIN OUT LOOKING INTO HARNESS CONNECTOR

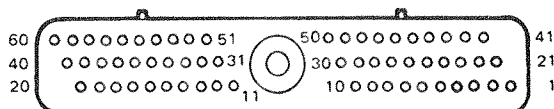
EEC-IV Module Connector Pin Usage

7.5L EFI

F-SERIES/BRONCO

Pin	Circuit	Wire Color	Application	Abbreviations
1	37A	Y	Keep Alive Power	KAPWR
4	11B	DG/Y	Ignition Diagnostic Monitor	IDM
7	354	LG/Y	Engine Coolant Temperature Sensor	ECT
8	276	BR	Fuel Pump Monitor	FPM
10	347	BK/Y	A/C Cycling Switch	ACCS
11	200	W/BK	Air Management 2 (TAD)	AM-2
16	259	BK/O	Ignition Ground	IGN GND
17	201	T/R	Self-Test Output and "Check Engine" Light	STO and MIL
20	57	BK	Case Ground	CASE GND
21	67	GY/W	Idle Speed Control (Bypass Air)	ISC — BPA
22	97B	T/LG	Fuel Pump	FP
25	310	Y/R	Air Charge Temperature Sensor	ACT
26	351	O/W	Reference Voltage	VREF
27	352	BR/LG	EGR Valve Position Sensor	EVP
29	94	DG/P	Heated Exhaust Oxygen Sensor	HEGO
30	481	GY/Y	Neutral Drive Switch	NDS
31	101	GY/Y	Canister Purge	CANP
33	360	DG	EGR Vacuum Regulator (Solenoid)	EVR
36	324	Y/LG	Spark Output	SPOUT
37	361B	R	Vehicle Power	VPWR
40	60A	BK/LG	Power Ground	PWR GND
45	356	DB/LG	Manifold Absolute Pressure	MAP
46	359	BK/W	Signal Return	SIG RTN
47	355	DG/LG	Throttle Position Sensor	TP
48	100	W/R	Self-Test Input	STI
49	89	O	Heated Exhaust Oxygen Ground	HEGOG
51	190	W/R	Air Management 1 (TAB)	AM-1
56	349	DB	Profile Ignition Pick-Up	PIP
57	361A	R	Vehicle Power	VPWR
58	96	T/O	Injector (Bank 1 Controls Engine Cylinder Numbers 1, 4, 5 and 8)	INJ 1
59	95	T/R	Injector (Bank 2 Controls Engine Cylinder Numbers 2, 3, 6 and 7)	INJ 2
60	60	BK/LG	Power Ground	PWR GND

Pin locations given for reference only. Probing 60 pin connector with DVOM probe will result in permanent damage to the pin connectors. Always probe as directed, using the Breakout Box.



EEC-IV Module Connector Pin Usage

7.5L EFI

ECONOLINE

Pin	Circuit	Wire Color	Application	Abbreviations
1	38B	BK/O	Keep Alive Power	KAPWR
4	11D	DG/Y	Ignition Diagnostic Monitor	IDM
7	354	LG/Y	Engine Coolant Temperature Sensor	ECT
8	238B	O/LB	Fuel Pump Monitor	FPM
10	347	BK/Y	A/C Cycling Switch	ACCS
11	200	W/BK	Air Management 2 (TAD)	AM 2
16	57O	BK/W	Ignition Ground	IGN GND
17	201	T/R	Self-Test Output and "Check Engine" Light	STO and MIL
20	60E	BK/LG	Case Ground	CASE GND
21	67	GY/W	Idle Speed Control (Bypass Air)	ISC-BPA
22	97	T/LG	Fuel Pump	FP
25	310	Y/R	Air Charge Temperature Sensor	ACT
26	351	O/W	Reference Voltage	VREF
27	352	BR/LG	EGR Valve Position Sensor	EVP
29	94	DG/P	Heated Exhaust Gas Oxygen Sensor	HEGO
30	33A	W/PK	Neutral Drive Switch	NDS
31	101	GY/Y	Canister Purge	CANP
33	360	DG	EGR Vacuum Regulator (Solenoid)	EVR
36	324A	Y/LG	Spark Output	SPOUT
37	361B	R	Vehicle Power	VPWR
40	60D	BK/LG	Power Ground	PWR GND
45	356	DB/LG	Manifold Absolute Pressure	MAP
46	359	BK/W	Signal Return	SIG RTN
47	355	DG/LG	Throttle Position Sensor	TP
48	100	W/R	Self-Test Input	STI
49	89	O	Heated Exhaust Gas Oxygen Ground	HEGOG
51	190	W/R	Air Management 1 (TAB)	AM-1
56	349	DB	Profile Ignition Pick-Up	PIP
57	361A	R	Vehicle Power	VPWR
58	96	T/O	Injector (Bank 1 Controls Engine Cyl. Nos. 1, 4, 5, and 8)	INJ 1
59	95	T/R	Injector (Bank 2 Controls Engine Cyl. Nos. 2, 3, 6, and 7)	INJ 2
60	60C	BK/LG	Power Ground	PWR GND

Pin locations given for reference only. Probing 60 pin connector with DVOM probe will result in permanent damage to the pin connectors. Always probe as directed, using the Breakout Box.

