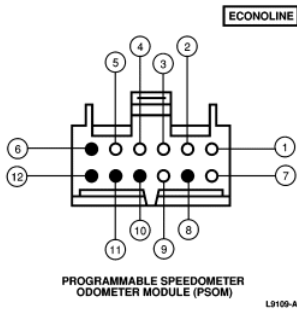
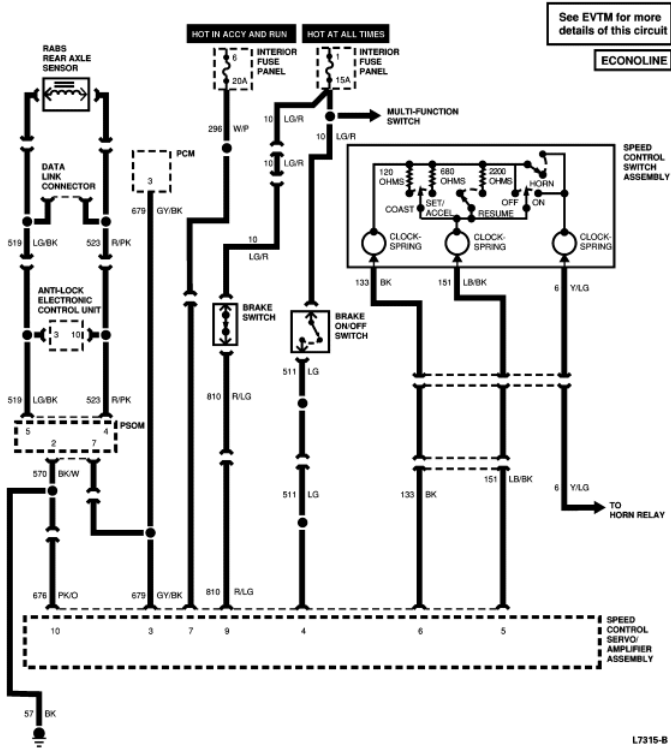
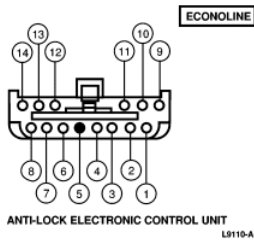


Electrical Schematics

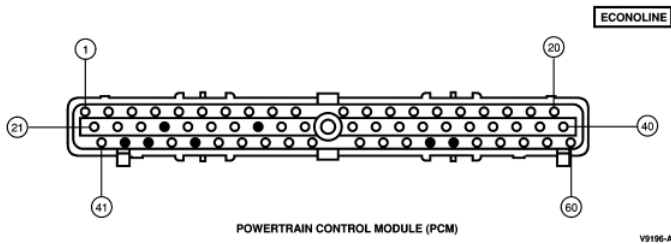
Speed Control System—Econoline



Item	Part Number	Description
1	10 (LG/R)	Stoptlamp Switch Feed
2	397 (BK/W)	Signal Ground to Tach/Gauge Module
3	489 (PK/BK)	Electronic Cluster Ignition Run Feed
4	523 (R/PK)	Rear Sensor (High) to Module (RH)
5	519 (LG/BK)	Rear Sensor (Low) to Module (LH)
6	—	Not Used
7	679 (GY/BK)	Vehicle Speed Sensor Signal
8	—	Not Used
9	143 (LB/Y)	Checkout Switch to Message Center
10	—	Not Used
11	—	Not Used
12	—	Not Used

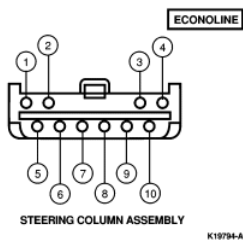


Item	Part Number	Description
1	601 (LB/PK)	Anti-Lock Electronic Control Unit Feed
2	512 (T/LG)	Brake Fluid Reservoir Switch to Module
3	519 (LG/BK)	Rear Sensor (Low) to Module (LH)
4	330 (Y/LG)	Power Steering Pressure Switch
5	—	Not Used
6	535 (LB/R)	Pressure Switch to Module
7	603 (DG)	Failure Warning Light
8	664 (Y/LG)	Module to Release Solenoid
9	601 (LB/PK)	Anti-Lock Electronic Control Unit Feed
10	523 (R/PK)	Rear Sensor (High) to Module (RH)
11	511 (LG)	Stoplamp Switch to Stoplamps
12	571 (BK/O)	Anti-Lock Electronic Control Unit Diagnostic Ground
13	599 (PK/LG)	Module to Solenoid
14	664 (Y/LG)	Module to Release Solenoid



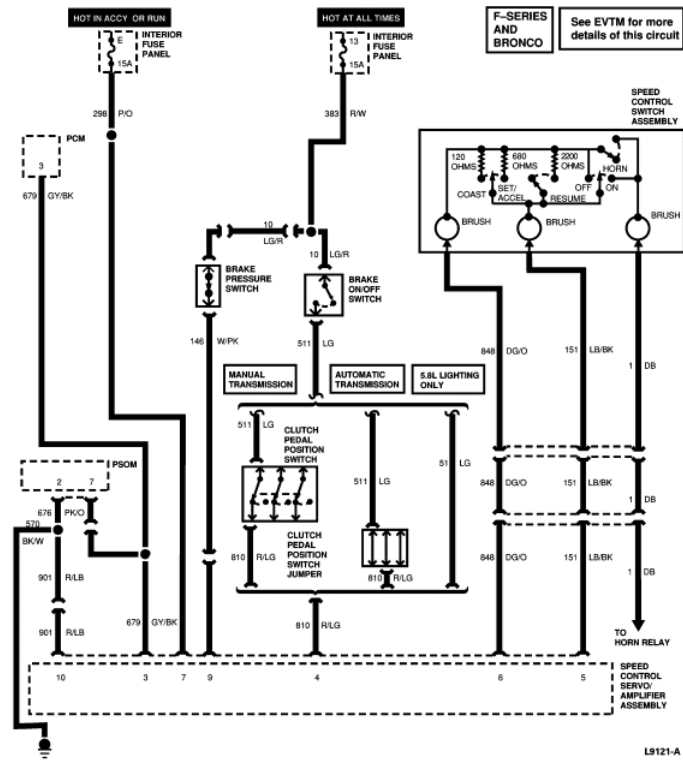
Item	Part Number	Description
1	37 (Y)	Battery to Load
2	511 (LG)	Stoplamp Switch to Stoplamps
3	679 (GY/BK)	Vehicle Speed Sensor Signal
4	648 (W/PK)	Tachometer Sensor Feed
5	970 (DG/W)	Turbine/Transmission Speed Sensor to PCM
6	676 (PK/O)	Vehicle Speed Sensor Return
7	354 (LG/R)	Engine Coolant Temperature Feed
8	238 (DG/Y)	Fuel Pump Relay to Safety Switch
9	968 (T/LB)	Mass Air Flow Return
10	347 (BK/Y)	A/C Cyclic Pressure Switch to PCM
11	101 (GY/Y)	PCM to Canister Purge Solenoid
12	560 (LG/O)	Fuel Injector #6 Cylinder
13	561 (T/R)	Fuel Injector #7 Cylinder
14	562 (LB)	Fuel Injector #8 Cylinder
15	559 (T/BK)	Fuel Injector #5 Cylinder
16	259 (O/R)	Dedicated Ground to Tfi Module
17	658 (PK/LG)	PCM to Check Engine Indicator Lamp
18	914 (T/O)	PCM — Data Plus
19	915 (PK/LB)	Data Link Return
20	576 (DG)	Rear Lamp to Trailer Relay Feed
21	264 (W/LB)	PCM Speed Control to Idle Speed Control Motor #1
22	926 (LB/O)	PCM to Fuel Pump Relay Control

23	310 (Y/R)	Knock Sensor #1 to PCM
24	—	Not Used
25	743 (GY)	Air Charge Temperature Sensor to PCM
26	351 (BR/W)	Power to Engine Sensors
27	352 (BR/LG)	Delta Exhaust Pressure Transducer to PCM
28	—	Not Used
29	465 (W/LB)	Module to Switch
30	199 (LB/Y)	Manual Lever Position Sensor to PCM
31	190 (W/O)	PCM to Air Management #1
32	911 (W/LG)	Overdrive Cancel Indicator Lamp
33	360 (BR/PK)	PCM to Electronic Vacuum Regulator — Constant Current
34	200 (BR)	PCM to Air Management #2
35	558 (BR/LB)	Fuel Injector #4 Cylinder
36	929 (PK)	PCM to Spark Angle Pulse Width/Spark Output
37	361 (R)	Power Output from Closed Loop Relay
38	925 (W/Y)	PCM to Electronic Pressure Control #1
39	557 (BR/Y)	Fuel Injector #3 Cylinder
40	570 (BK/W)	Dedicated Ground — Closed Loop
41	224 (T/W)	Transmission Overdrive Switch to PCM
42	—	Not Used
43	—	Not Used
44	74 (GY/LB)	Heated Oxygen Sensor #1 to PCM
45	—	Not Used
46	359 (GY/R)	Sensor Signal Return
47	355 (GY/W)	To TPS Closed Loop/Diesel Fuel Injector Pump Lever Sensor
48	209 (W/P)	Self Test Input to PCM
49	923 (O/BK)	Transmission Oil Temp
50	967 (LB/R)	Mass Air Flow Sensor to PCM
51	237 (O/Y)	Transmission Shift Solenoid 1
52	315 (P/O)	Shift Solenoid 2
53	480 (P/Y)	Transmission Clutch Control to PCM
54	—	Not Used
55	—	Not Used
56	395 (GY/O)	Profile Ignition Pickup from Tfi Module
57	361 (R)	Power Output from Closed Loop Relay
58	555 (T)	Fuel Injector #1 Cylinder or Bank #1
59	556 (W)	Fuel Injector #2 Cylinder or Bank #2
60	570 (BK/W)	Dedicated Ground — Closed Loop

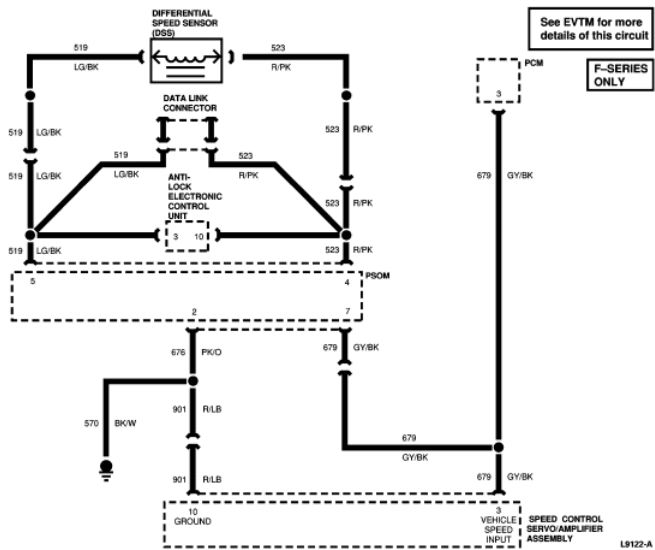


Item	Part Number	Description
1	158 (BK/PK)	Key Warning Switch to Buzzer
2	911 (W/LG)	PCM to Output Circuit Indicator Lamp/Overdrive Cancel Indicator
3	57 (BK)	Ground Circuit
4	224 (T/W)	Transmission Overdrive Switch to PCM
5	6 (Y/LG)	Horn Relay to Horn
6	151 (LB/BK)	Speed Control On-Off Switch to Amplifier
7	936 (DG/W)	Key Cylinder Sensor to Anti-Theft Alarm Control
8	298 (P/O)	Fused Run Only Feed
9	563 (O/Y)	Speed Sensor Lo V Ref to Speedo Tach Module
10	397 (BK/W)	Signal Ground to Tach/Gauge Module

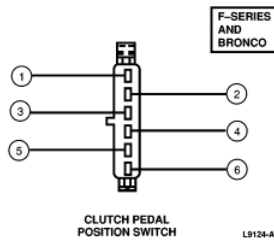
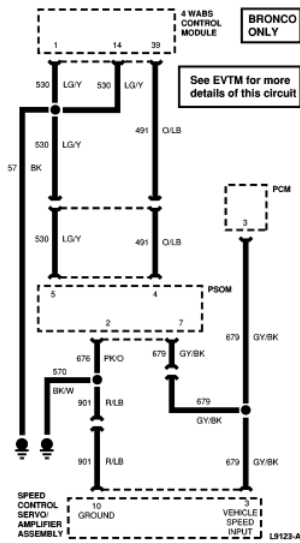
Speed Control System—F-Series and Bronco



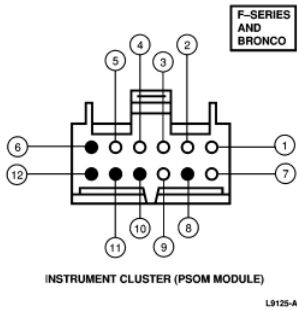
Speed Control System (Continued)



Speed Control System (Continued)

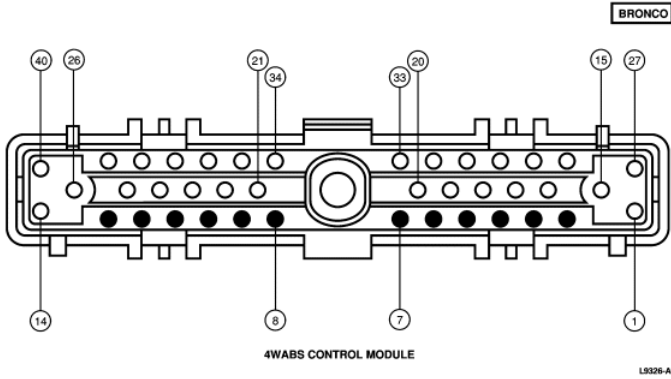


Item	Part Number	Description
1	481 (GY/Y)	ICM to Clutch Switch
2	480 (P/Y)	Transmission Clutch Control to PCM
3	511 (LG)	Stoplamp Switch to Stoplamps
4	810 (R/LG)	Stoplamp Switch to Stoplamps
5	32 (R/LB)	Starter Control
6	32 (R/LB)	Starter Control



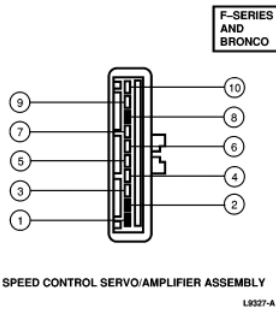
Item	Part Number	Description
1	54 (LG/Y)	Battery Input
2	676 (BK/W)	Ground
3	296 (W/P)	Hot in RUN
4	523 (R/PK)	Rear Anti-Lock Brake Signal Input
4	491 (O/LB)	4WABS Signal Input (Bronco Only)
5	519 (LG/BK)	Rear Anti-Lock Brake Signal Return
5	530 (LG/Y)	4WABS Signal Return (Bronco Only)

6	—	Not Used
7	679 (GY/BK)	Speed Output to Instrument Cluster, Speed Control Amplifier to Powertrain Control Module
8	—	Not Used
9	567 (LB/Y)	PSOM Test Connector
10	—	Not Used
11	—	Not Used
12	—	Not Used



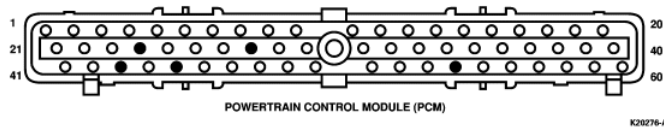
Item	Part Number	Description
1	530 (LG/Y)	Ground
2	—	Not Used
3	—	Not Used
4	—	Not Used
5	—	Not Used
6	—	Not Used
7	—	Not Used
8	—	Not Used
9	—	Not Used
10	—	Not Used
11	—	Not Used
12	—	Not Used
13	—	Not Used
14	530 (LG/Y)	Ground
15	498 (PK)	Front Dump Valve (RH)
16	606 (W/LB)	Diagnostic Trigger Circuit
17	532 (O/Y)	Vehicle Power
18	603 (DG)	4WABS Failure Warning Lamp
19	599 (PK/LG)	4WABS Relay Coil (-)
20	601 (LB/PK)	Ignition Feed
21	519 (LG/BK)	Rear Sensor (Low)
22	523 (R/PK)	Rear Sensor (High)
23	516 (Y/BK)	Front Sensor (Low) (RH)
24	521 (T/O)	Front Sensor (High) (LH)
25	522 (T/BK)	Front Sensor (Low) (LH)
26	496 (O)	Front Dump Valve (LH)
27	510 (T/R)	Rear Dump Valve
28	960 (BK/LB)	Chassis Rolls Databus
29	539 (PK/LB)	Pump Motor Relay Coil (-)
30	886 (O/BK)	G — Switch #2
31	887 (Y)	G — Switch #1
32	836 (O/W)	G — Switch Status
33	499 (GY/BK)	Rear Iso Valve
34	497 (W)	Front Iso Valve (RH)
35	511 (LG)	Brake ON/OFF Switch
36	514 (Y/R)	Front Sensor (High) (RH)
37	604 (O/R)	Motor Speed Sensor #2
38	462 (P)	Motor Speed Sensor #1

39	491 (O/LB)	Vehicle Speed Input
40	495 (T)	Front Iso Valve (LH)



Item	Part Number	Description
1	—	Not Used
2	—	Not Used
3	679 (GY/BK)	Vehicle Speed Input
4	810 (R/LG)	Brake Input
5	151 (LB/BK)	Common Signal
6	848 (DG/O)	Common Return
7	298 (P/O)	Vehicle Power
8	—	Not Used
9	146 (W/PK)	Brake Pressure Input
10	901 (R/LB)	Ground

F-SERIES AND BRONCO



Item	Part Number	Description
1	37 (Y)	Battery to Load
2	511 (LG)	Stoplamp Switch to Stoplamps
3	679 (GY/BK)	Vehicle Speed Sensor Signal
4	382 (Y/BK)	PCM to Test Connector #2
5	970 (DG/W)	Turbine/Transmission Speed Sensor to PCM
6	676 (PK/O)	Vehicle Speed Sensor Return
7	354 (LG/R)	Engine Coolant Temperature Feed
8	238 (DG/Y)	Fuel Pump Relay to Safety Switch
9	968 (T/LB)	Mass Air Flow Return
10	883 (PK/LB)	A/C Control Relay Feed
11	101 (GY/Y)	PCM to Canister Purge Solenoid
12	560 (LG/O)	Fuel Injector #6 Cylinder
13	561 (T/R)	Fuel Injector #7 Cylinder
14	562 (LB)	Fuel Injector #8 Cylinder
15	559 (T/BK)	Fuel Injector #5 Cylinder
16	259 (O/R)	Dedicated Ground to Tfi Module
17	658 (PK/LG)	PCM to Check Engine Indicator Lamp
18	914 (T/O)	PCM — Data Plus
19	915 (PK/LB)	Data Link Return
20	57 (BK)	Ground Circuit
21	264 (W/LB)	PCM Speed Control to Idle Speed Control Motor #1
22	926 (LB/O)	PCM to Fuel Pump Relay Control
23	310 (Y/R)	Knock Sensor #1 to PCM

24	—	Not Used
25	743 (GY)	Air Charge Temperature Sensor to PCM
26	351 (BR/W)	Power to Engine Sensors
27	352 (BR/LG)	Delta Exhaust Pressure Transducer to PCM
28	—	Not Used
29	766 (BK/LG)	Sensor Failure Mode Signal — Return
30	199 (LB/Y)	Manual Lever Position Sensor to PCM
31	190 (W/O)	PCM to Air Management #1
32	911 (W/LG)	Overdrive Cancel Indicator Lamp
33	360 (BR/PK)	PCM to Electronic Vacuum Regulator — Constant Current
34	200 (BR)	PCM to Air Management #2
35	558 (BR/LB)	Fuel Injector #4 Cylinder
36	929 (PK)	PCM to Spark Angle Pulse Width/Spark Output
37	361 (R)	Power Output from Closed Loop Relay
38	925 (W/Y)	PCM to Electronic Pressure Control #1
39	557 (BR/Y)	Fuel Injector #3 Cylinder
40	570 (BK/W)	Dedicated Ground — Closed Loop
41	224 (T/W)	Transmission Overdrive Switch to PCM
42	784 (LB/BK)	4 x 4 Low Range Switch to PCM or Indicator Lamp
43	—	Not Used
44	74 (GY/LB)	Heated Oxygen Sensor #1 to PCM
45	—	Not Used
46	359 (GY/R)	Sensor Signal Return
47	355 (GY/W)	To TPS Closed Loop/Diesel Fuel Injector Pump Lever Sensor
48	209 (W/P)	Self Test Input to PCM
49	923 (O/BK)	Transmission Oil Temp
50	967 (LB/R)	Mass Air Flow Sensor to PCM
51	237 (O/Y)	Transmission Shift Solenoid 1
52	315 (P/O)	Shift Solenoid 2
53	480 (P/Y)	Transmission Clutch Control to PCM
54	—	Not Used
55	924 (BR/O)	Transmission Coast Clutch Solenoid
56	395 (GY/O)	Profile Ignition Pickup from Tfi Module
57	361 (R)	Power Output from Closed Loop Relay
58	555 (T)	Fuel Injector #1 Cylinder or Bank #1
59	556 (W)	Fuel Injector #2 Cylinder or Bank #2
60	570 (BK/W)	Dedicated Ground — Closed Loop