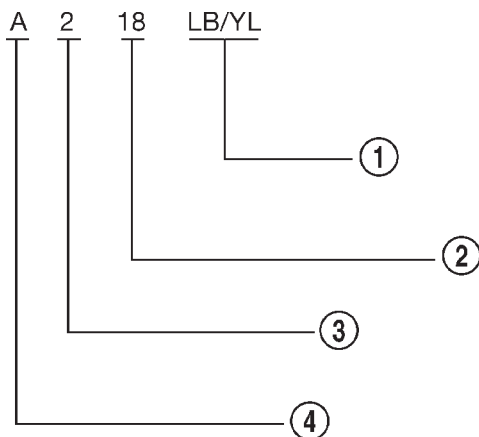


DESCRIPTION AND OPERATION

CIRCUIT INFORMATION

Each wire shown in the diagrams contains a code which identifies the main circuit, part of the main circuit, gage of wire, and color (Fig. 1).



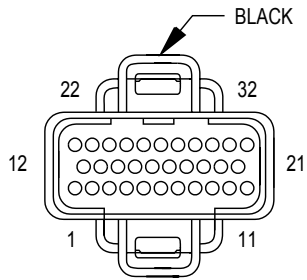
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Fig. 1 Wire Code Identification

- 1 - COLOR OF WIRE (LIGHT BLUE WITH YELLOW TRACER)
- 2 - GAUGE OF WIRE (18 GAUGE)
- 3 - PART OF MAIN CIRCUIT (VARIES DEPENDING ON EQUIPMENT)
- 4 - MAIN CIRCUIT IDENTIFICATION

WIRE COLOR CODE CHART

COLOR CODE	COLOR	STANDARD TRACER COLOR
BL	BLUE	WT
BK	BLACK	WT
BR	BROWN	WT
DB	DARK BLUE	WT
DG	DARK GREEN	WT
GY	GRAY	BK
LB	LIGHT BLUE	BK
LG	LIGHT GREEN	BK
OR	ORANGE	BK
PK	PINK	BK or WT
RD	RED	WT
TN	TAN	WT
VT	VIOLET	WT
WT	WHITE	BK
YL	YELLOW	BK
*	WITH TRACER	



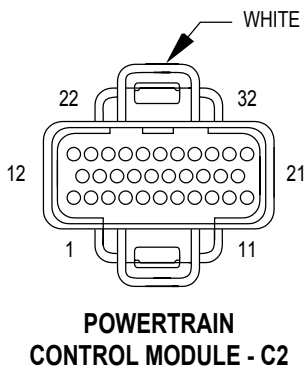
POWERTRAIN CONTROL MODULE - C1

CAV	CIRCUIT	FUNCTION	FIC Wire/ color	Connection
1	K18 18RD/YL ▲▲	IGNITION COIL NO. 3 DRIVER		
2	F12 18DB/WT	FUSED IGNITION SWITCH OUTPUT (ST-RUN)	IGN PWR / red	Tap
3	-	-		
4	K167 18BR/YL	SENSOR GROUND	SIG GND / black	Tap
5	-	-		
6	T41 18BK/WT ▽▽	PARK/NEUTRAL POSITION SWITCH SENSE		
6	Z1 18BK ▽	GROUND		
7	K19 18GY	IGNITION COIL NO. 1 DRIVER		
8	K24 18GY/BK	CRANKSHAFT POSITION SENSOR SIGNAL	CRK HALI & CRK HALO/ green	Intercept *1
9	-	-		
10	K60 18YL/BK	IDLE AIR CONTROL NO. 2 DRIVER		
11	K40 18BR/WT	IDLE AIR CONTROL NO. 3 DRIVER		
12	K10 18DB/BR ▲	POWER STEERING PRESSURE SWITCH SENSE		
12	K78 18GY ●●	IDLE ACTUATOR		
13	-	-		
14	-	-		
15	K21 18BK/RD	INTAKE AIR TEMPERATURE SENSOR SIGNAL		
16	K2 18TN/BK	ENGINE COOLANT TEMPERATURE SENSOR SIGNAL		
17	K7 18OR	5V SUPPLY		
18	K44 18TN/YL	CAMSHAFT POSITION SENSOR SIGNAL	CAM1 HALI & CAM1 HALO/ yellow	Intercept *1
19	K39 18GY/RD	IDLE AIR CONTROL NO. 1 DRIVER		
20	K59 18VT/BK	IDLE AIR CONTROL NO. 4 DRIVER		
21	-	-		
22	A61 14DG/BK	FUSED B(+)		
23	K22 18OR/DB	THROTTLE POSITION SENSOR SIGNAL	TPS / White	Tap
24	K41 18BK/DG	OXYGEN SENSOR 1/1 SIGNAL	O21 / Pink	Tap *3
25	K141 18TN/WT	OXYGEN SENSOR 1/2 SIGNAL		
26	K241 18LG/RD ■	OXYGEN SENSOR 2/1 SIGNAL	O22 / Pink	Tap *3
27	K1 18DG/RD	MANIFOLD ABSOLUTE PRESSURE SENSOR SIGNAL	MAF IN & MAF OUT / Blue & Black	Intercept *2
28	-	-		
29	K341 18TN ■	OXYGEN SENSOR 2/2 SIGNAL		
30	-	-		
31	Z12 14BK/TN	GROUND	PWR GND / black	Tap
32	Z12 14BK/TN	GROUND	PWR GND / black	Tap

For intercept of sensor wiring: OUT goes to the PCM and IN goes to the sensor

- *1: Intercept to reduce timing, otherwise tap
- *2: Intercept to modify signal, otherwise tap
- *3: Use resistor 1K ohm, see FIC Manual

- 4.0L CALIFORNIA
- ▽ 2.5L M/T
- ▽▽ EXCEPT 2.5L M/T
- ▲▲ 4.0L
- ▲ 2.5L
- 2.5L A/T
- 4.0L A/T



CAV	CIRCUIT	FUNCTION	FIC Wire/ color	Connection
1	-	-		
2	-	-		
3	-	-		
4	K11 18WT/DB	FUEL INJECTOR NO. 1 DRIVER	INJ 1 IN & INJ 1 OUT / blue	Intercept
5	K13 18YL/WT	FUEL INJECTOR NO. 3 DRIVER	INJ 3 IN & INJ 3 OUT / blue	Intercept
6	K15 18PK/BK •	FUEL INJECTOR NO. 5 DRIVER	INJ 5 IN & INJ 5 OUT / blue	Intercept
7	-	-		
8	-	-		
9	K17 18DB/TN •	IGNITION COIL NO. 2 DRIVER		
10	K20 18DG	GENERATOR FIELD		
11	K54 18OR/BK ••	TORQUE CONVERTER CLUTCH SOLENOID CONTROL		
12	K16 18LG/BK •	FUEL INJECTOR NO. 6 DRIVER	INJ 6 IN & INJ 6 OUT / blue	Intercept
13	-	-		
14	-	-		
15	K12 18TN	FUEL INJECTOR NO. 2 DRIVER	INJ 2 IN & INJ 2 OUT / blue	Intercept
16	K14 18LB/BR	FUEL INJECTOR NO. 4 DRIVER	INJ 4 IN & INJ 4 OUT / blue	Intercept
17	-	-		
18	-	-		
19	-	-		
20	-	-		
21	-	-		
22	-	-		
23	G60 18GY/YL	ENGINE OIL PRESSURE SENSOR SIGNAL		
24	-	-		
25	-	-		
26	-	-		
27	G7 18WT/OR	VEHICLE SPEED SENSOR SIGNAL		
28	-	-		
29	-	-		
30	-	-		
31	K6 18VT/OR	5V SUPPLY		
32	-	-		

For intercept of injector wiring: OUT goes to injector, IN goes to PCM

• 4.0L
•• 2.5L A/T