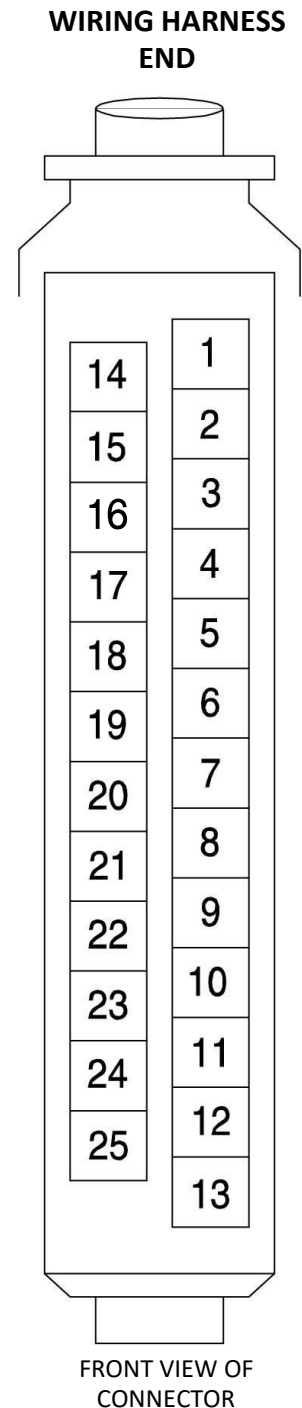


LH 2.2 ECU PIN FUNCTIONS VOLVO 240 B230F

Volvo 240 1985-88

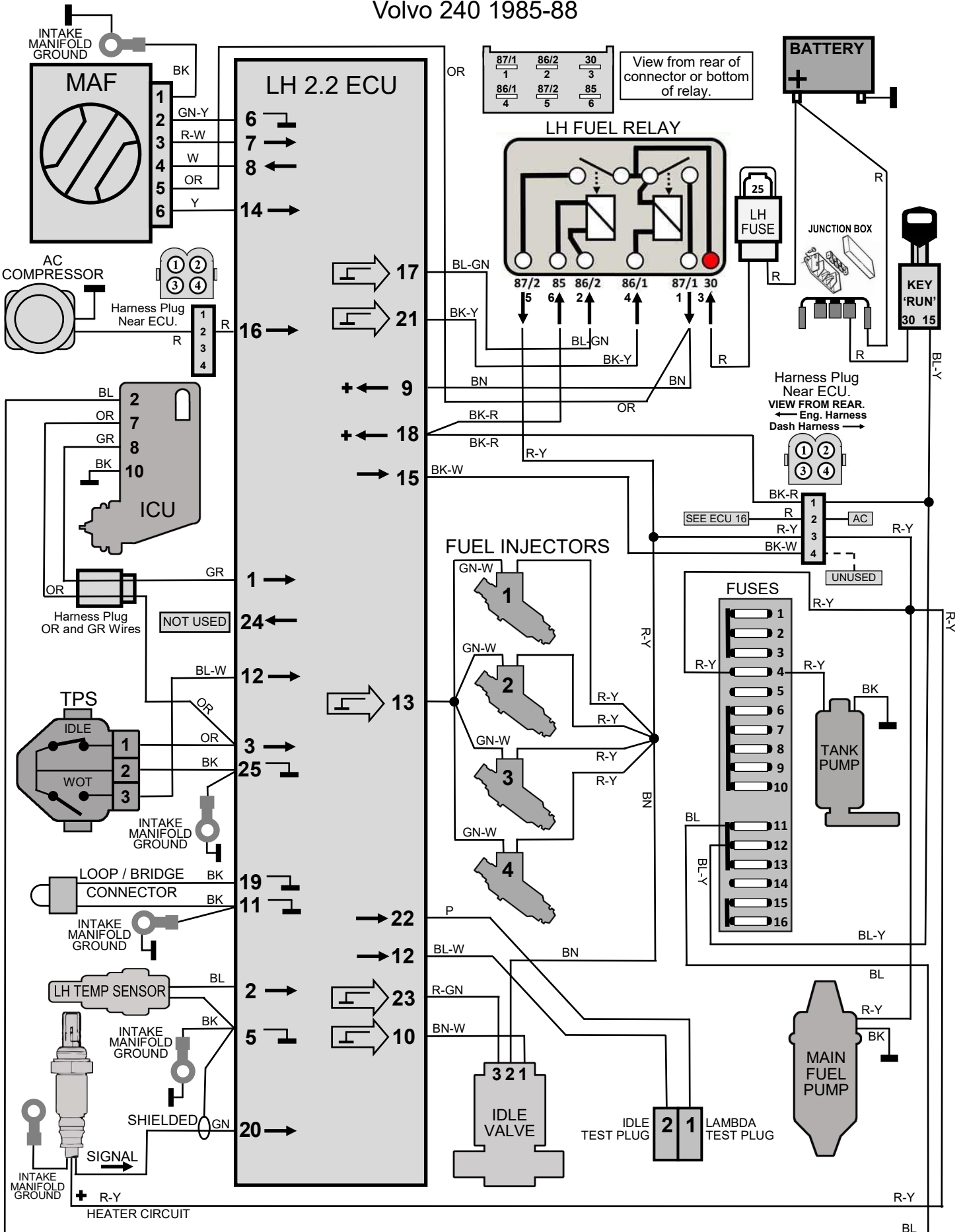
BK or SB - BLACK	W - WHITE	OR - ORANGE	VO - VIOLET
GN - GREEN	GR - GRAY	BL - BLUE	P - PINK
BN - BROWN	R - RED	Y - YELLOW	

1. (GR) Control signal input from ignition control unit.
2. (BL) Input signal from coolant temp sensor (ECT) PN 02800130026. This sensor reads resistance between ground (pin 5) and sensor input (pin 2).
3. (OR) Input signal from TPS, throttle closed (IDLE).
4. —
5. (BK) Ground (signal ground only, shield for oxygen sensor).
6. (GN-Y) ECU ground for MAF sensor.
7. (R-W) Input signal from MAF sensor.
8. (W) Control signal output for MAF sensor burn off.
9. (BN) 12v switched power from main fuel system relay.
10. (BN-W) Control signal output to idle valve.
11. (BK) Ground (to crimp ring at engine).
12. (BL-W) Input signal from TPS, full throttle (WOT). For B230F only.
13. (GN-W) Control signal output for fuel injectors.
14. (Y) Input signal from MAF sensor CO potentiometer.
15. — (BK-W) (Some models: Ground point for coding).
16. (R) Input signal from AC. Idle is elevated.
17. (BL-GN) Control signal output (ground) to fuel pump relay coil.
18. (BK-R) 12v input switched (from terminal 15).
19. (BK) Ground (LIMP). To bridge connector and crimp ring at engine.
20. (GN) Input signal from oxygen sensor.
21. (BK-Y) Control signal output (ground) to main fuel system relay coil.
22. (P) Lead to idle speed test socket.
23. (R-GN) Control signal output to idle valve.
24. — Load output signal to ignition control unit (740/760 only).
25. (BK) Ground (power ground to crimp ring at engine).



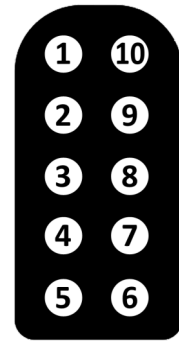
LH 2.2 ECU PIN FUNCTIONS VOLVO 240 B230F

Volvo 240 1985-88



Computer Controlled Ignition (Chrysler) for 240 B230F with LH 2.2. Ignition Control Unit (ICU) Pin Functions.

1. (GR) (Shielded) Control signal output to coil terminal 1 (negative post).
2. (BL) 12v input switch (from terminal 15).
3. (GN) 12v output to Hall generator in distributor.
4. — (not used)
5. (Y) Engine speed input from distributor Hall generator.
6. (BN) Input signal from knock sensor.
7. (OR) Input signal from TPS, throttle closed (IDLE).
8. (GR) Control signal output to LH 2.2 ECU pin 1.
9. (BK) Signal ground for distributor power and Hall generator input.
10. (BK) Ground for control unit (to crimp ring at engine).



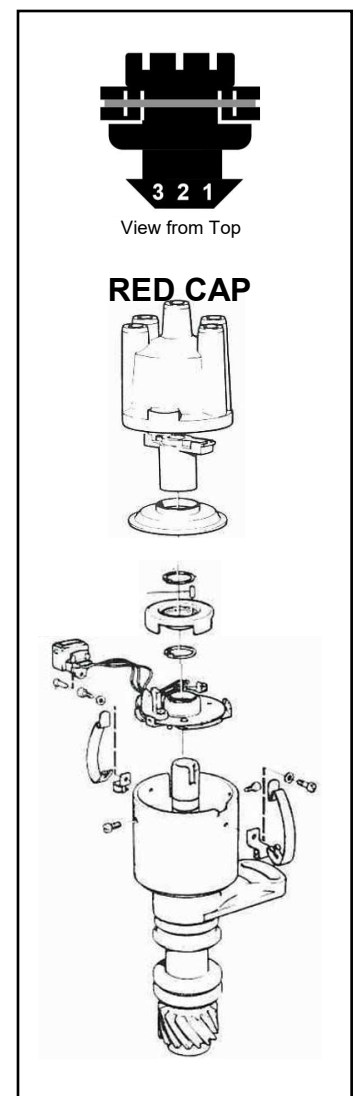
VIEW FROM REAR OF CONNECTOR

240 Distributor Pin Functions.

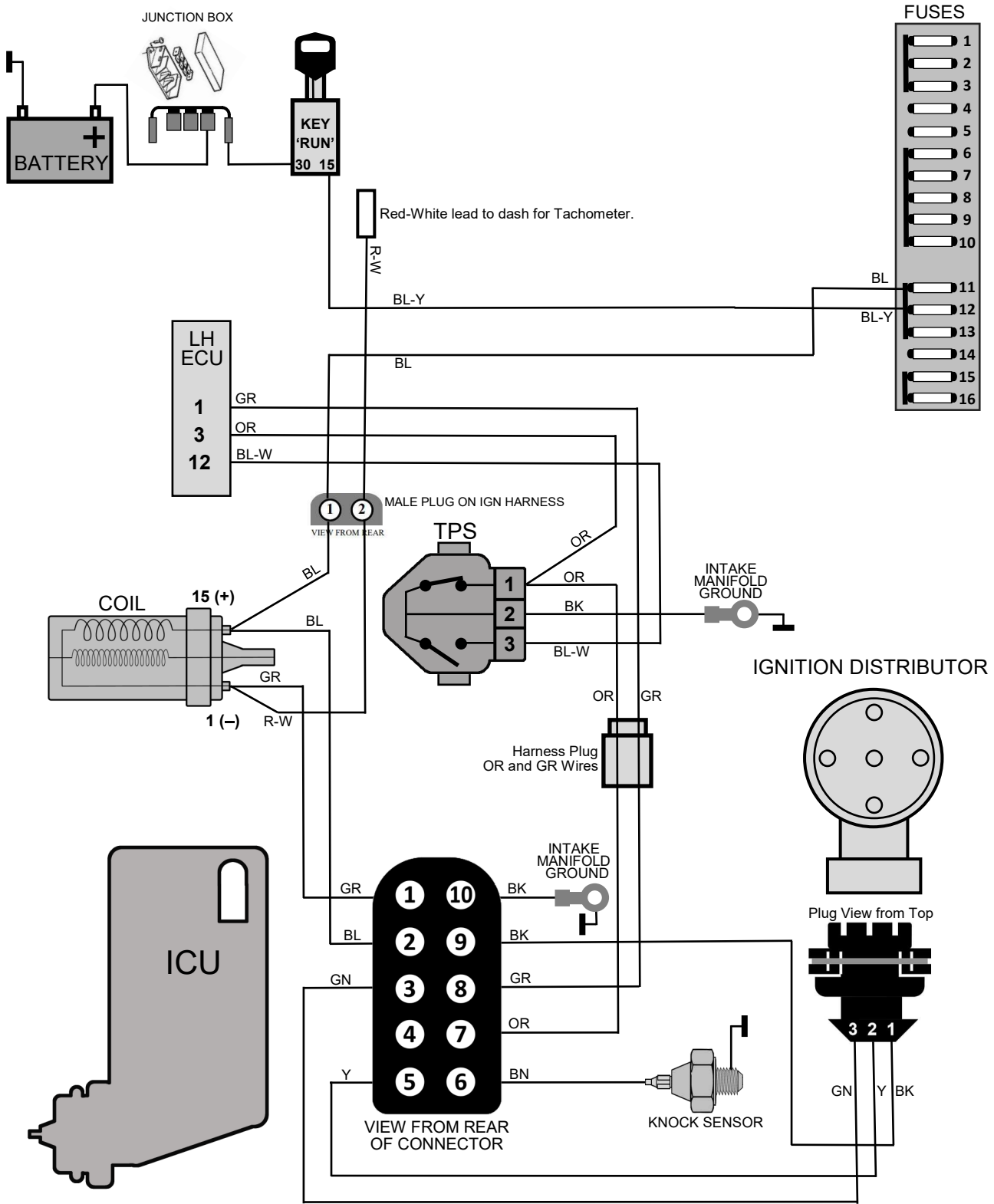
While the above ignition control unit was a Chrysler product, the distributor was made by Bosch and can be identified by the two spring steel hooks which secure the cap and the square distributor plug (the distributor cap is RED).

240 Distributor used with LH 2.2 EFI. Square plug pin functions.

1. (BK) To ICU Pin 9. Signal ground for distributor power and Hall generator input.
2. (Y) To ICU Pin 5. Engine speed input from distributor Hall generator.
3. (GN) To ICU Pin 3. 12v output to Hall generator in distributor.

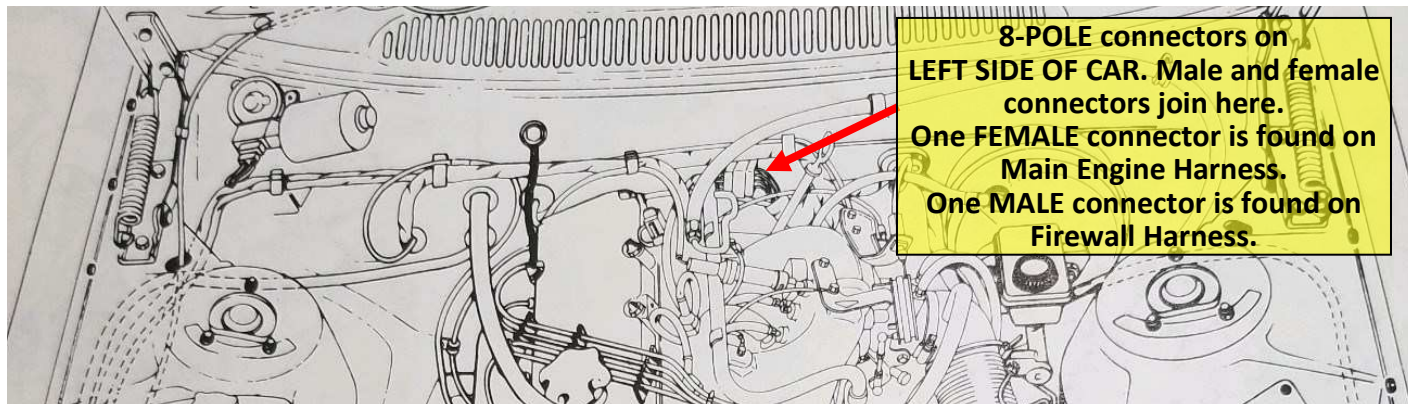


Computer Controlled Ignition (Chrysler) for 240 B230F with LH 2.2. Ignition Control Unit (ICU) Pin Functions.



For fuse panel detail: www.240turbo.com/fusepanel240.html

Details of the 8-pole firewall connectors used in the engine bay for the 1985-88 240 B230F.



The 240 B230F has one set of 8-pole bullet connectors in the engine bay. These connectors serve wires coming from the dash, through the firewall, to the main engine harness.

NOTE: The wire order is different between male and female (one is a mirror image of the other.)

FEMALE 8-pole ENGINE HARNESS connector on LEFT SIDE (shown on right side in the above image).

The 8-pole connector on the FIREWALL here is MALE. The 8-pole connector on the ENGINE HARNESS here is FEMALE.

WIRE POSITIONS:

	ENGINE HARNESS	FIREWALL/DASH
1. Black:	Oil pressure sender.	For dash oil pressure warning light.
2. Yellow:	Coolant temp sender.	For dash coolant temp gauge.
3. Red:	Alternator D+ terminal.	For dash battery warning light.
4. ---		
5. Blue-Yellow:	Starter solenoid terminal 50 (starter spin).	Ignition key switch pin 50 (in START position).
6. ---		
7. ---		
8. ---		