

# Volvo Engine Harness FIREWALL LOOM REPAIR

1981-85 240 Turbo B21FT

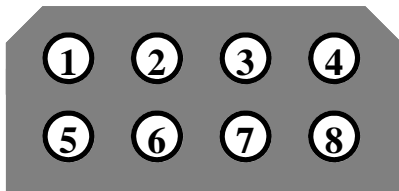
1981-82 240 non-turbo K-Jet

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1

## RECTANGULAR 8-POLE CONNECTOR AT FIREWALL

Right (Exhaust Side) Firewall — FEMALE



VIEW FROM REAR  
(where wires are inserted)

### WIRE COLORS:

1. Black
2. Red (CIS Coolant Sensor)
3. Blue (CIS Coolant Sensor)
4. Yellow (Micro-switch)
5. empty
6. White (Idle Control Valve)
7. Green (Idle Control Valve)
8. empty

The above connector corresponds with connector #1 in my diagrams for 240 Turbos and non-turbos with K-Jetronic (mechanical) fuel injection. The original firewall connector and wires will typically suffer the same fate as the engine harness due to the engine heat exposure. A new firewall harness is not possible, since it is part of the entire under-dash harness (BIG) and not available anyway. The solution is simple. Either new or used wire pigtailed and a new of good used plastic connector housing. New pieces are available from Volvo. Used pieces are sourced from salvaged Volvos. If you're hunting for these in salvage yards, DO NOT take 20 year old wires if at all possible. They will probably not give you the service life you want. Wires from newer harnesses would be preferred.

Six wire pigtailed with the proper silicone female ends are needed. The proper colors would be nice, but be real... the important thing is not the colors. Any color will be fine. You will just have to keep track of which wire goes to which color on the engine harness side of the connector.

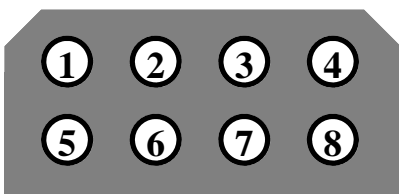
Once you have all six wires inserted in the connector, cut the old connector and pull the wires through under the dash. The wires under the dash will be in great condition, because they haven't seen the engine heat. So your task will be to feed the new wires through the hole from the engine bay to the under-dash area. Cut off the bad parts of the old wires. And use crimp connectors or solder to splice each wire to its proper colored mate.

The below diagram shows the intake side connector. It will usually not need repair, since it sees less heat. If repair is needed, this one uses MALE wire ends and a different connector housing.

2

## RECTANGULAR 8-POLE CONNECTOR AT FIREWALL

Left (Intake Side) Firewall — MALE



VIEW FROM REAR  
(where wires are inserted)

### WIRE COLORS:

1. Gray (240 Turbo only: Block Temp Sender)  
(Non-turbo: empty)
2. Red (Alternator, Battery Warning Lamp)
3. Yellow (Coolant Temp Sender)
4. Black (Oil Pressure Sender)
5. Brown (Starter, Coil +)
6. Blue (Control Pressure Regulator)
7. Green (240 Turbo only)  
(Non-turbo: Gray: Block Temp Sender)
8. Yellow/Blue (Starter Motor Solenoid)