

# Service Manual Trucks

Group **37**

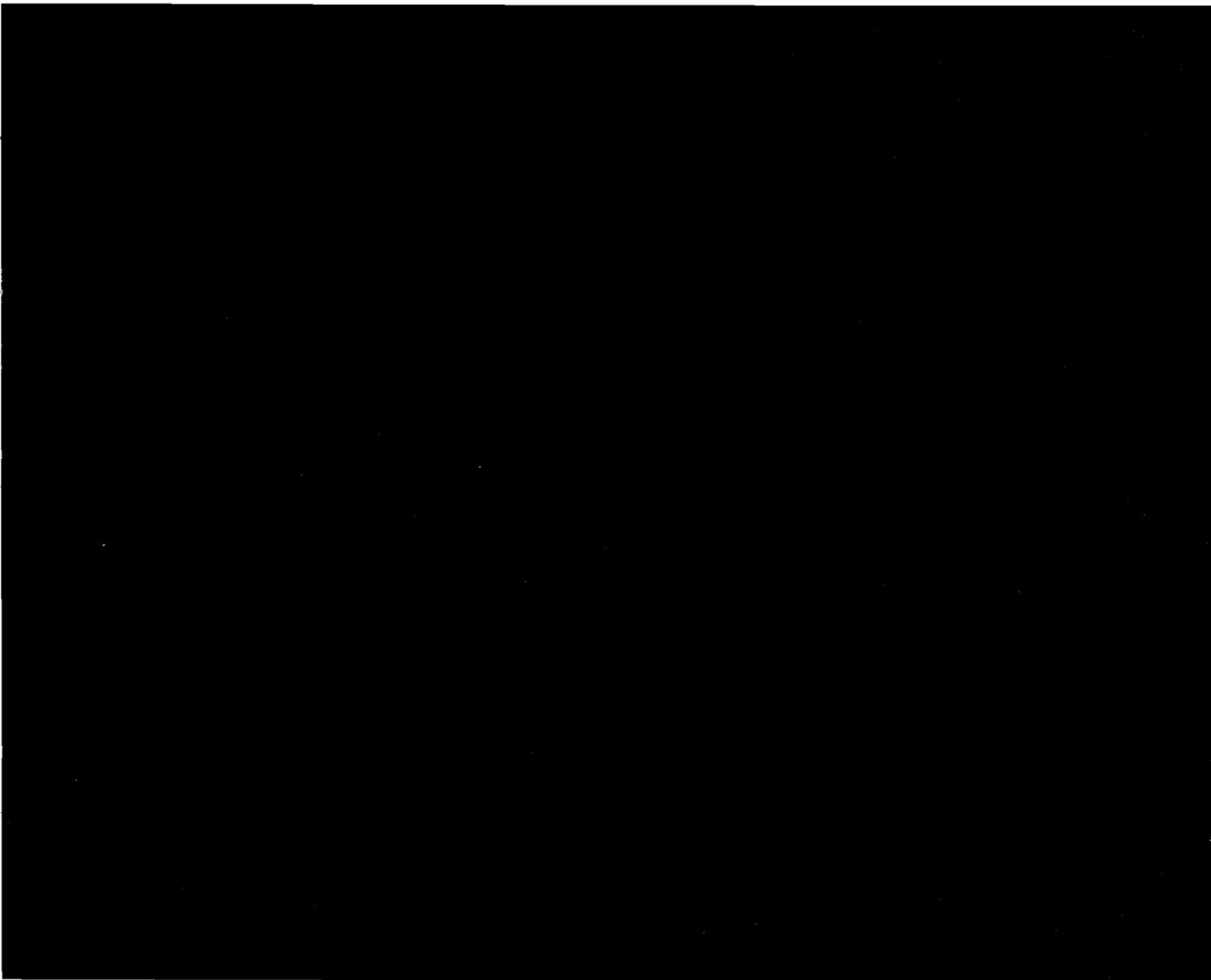
Electrical Schematic:

Pre-heater,

VOLVO D12B Engine

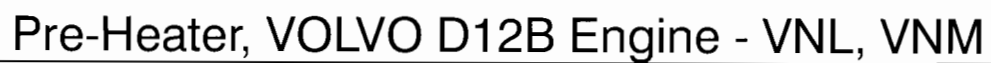
VNL, VNM

From Build Date 2.98

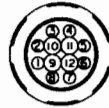


PV776-370-98205/1

**VOLVO**



# CONNECTOR AND SPLICE INFORMATION CONNECTORS VIEWED FROM CABLE ENTRY



## CONNECTOR 1 ENGINE HARNESS CONNECTOR

### TABLE OF CONTENTS

| CAVITY | CIRCUIT | FUNCTION              |
|--------|---------|-----------------------|
| 1      | Y       | DIAGNOSTIC HIGH       |
| 2      | GN      | DIAGNOSTIC LOW        |
| 3      | SB      | RELAY COIL 12V SUPPLY |



## CONNECTOR 2 PER-HEATER HARNESS CONNECTOR

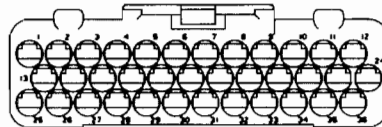
### TABLE OF CONTENTS

| CAVITY | CIRCUIT | FUNCTION                        |
|--------|---------|---------------------------------|
| 1      | BL/R    | COIL GROUND                     |
| 2      | SB      | COIL 12 VOLT SUPPLY             |
| 3      | R       | FAILURE INDICATION FROM RELAY 1 |
| 4      | R/W     | FAILURE INDICATION FROM RELAY 2 |

## CONNECTOR 3 ENGINE ECU CONNECTOR 2

### TABLE OF CONTENTS

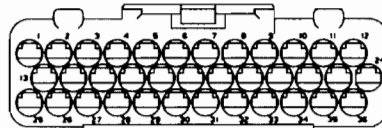
| CAVITY | CIRCUIT | FUNCTION                        |
|--------|---------|---------------------------------|
| 1      | Y       | DIAGNOSTIC HIGH                 |
| 2      | GN      | DIAGNOSTIC LOW                  |
| 5      | R       | FAILURE INDICATION FROM RELAY 1 |
| 16     | R/W     | FAILURE INDICATION FROM RELAY 2 |
| 31     | BL/R    | COIL GROUND                     |



## CONNECTOR 4 ENGINE ECU CONNECTOR 1

### TABLE OF CONTENTS

| CAVITY | CIRCUIT | FUNCTION                |
|--------|---------|-------------------------|
| 5      | BN/W    | PRES. TEMP. SENS. COMM. |
| 25     | Y/W     | COOLANT TEMP.           |



## CONNECTOR 5 COOLANT TEMP SENSOR CONNECTOR

### TABLE OF CONTENTS

| CAVITY | CIRCUIT | FUNCTION                |
|--------|---------|-------------------------|
| 1      | Y/W     | COOLANT TEMP.           |
| 2      | BN/W    | PRES. TEMP. SENS. COMM. |

RELAY COIL FEED ← → EMS POWER RELAY

SPLICE  
SB

VEHICLE LOCATION: VTC ENGINE HARNESS

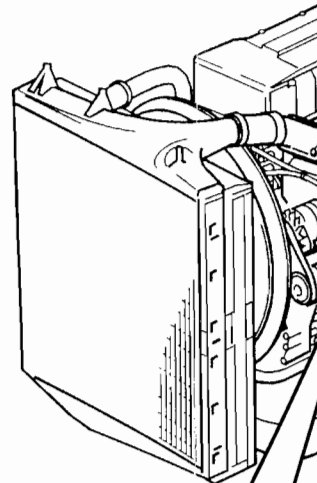
### SYMBOL DEFINITION

|                         |    |
|-------------------------|----|
| DEMOTES TWISTED PAIR    | —  |
| DEMOTES MALE TERMINAL   | —  |
| DEMOTES CONNECTOR       | 5  |
| DEMOTES CAVITY          | 14 |
| DEMOTES FEMALE TERMINAL | —  |

Schematic #8078271.05

## CHANGE HISTORY

| EFFECTIVE DATE | DESCRIPTION         |
|----------------|---------------------|
| 9.97           | CHANGE 368A CIRCUIT |
|                |                     |
|                |                     |
|                |                     |
|                |                     |
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|                |                     |
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| CHANGE HISTORY      |
|---------------------|
| DESCRIPTION         |
| CHANGE 368A CIRCUIT |
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