

Volvo Penta instruments are specially adapted for marine operations in corrosion-resistant materials, both sealed and fitted with built-in lighting. They are supplied either as a complete kit including front ring, transducers and cables and installation instructions or as separate components.



38.41
TACHOMETER KIT

NEW!



38.156

2797

**38.156
VOLVO PENTA IMMOBILISER, KIT**

Part no. 1140659-2. Make life difficult for unwelcome boarders - fit Volvo Penta's new electronic immobiliser! The immobiliser is controlled electronically, and when activated blocks any starting attempts by shutting off the fuel feed. The immobiliser also includes connections for a siren or flashing light in order to raise the alarm in the event of unauthorised starting attempts or attempts to deactivate.

The Volvo Penta immobiliser is specially made for Volvo Penta marine diesel engines. It is simple to install and is easily activated by a handy remote control. An indicator light shows the active state. If switched off inadvertently the immobiliser is automatically reactivated after a few minutes. Can be fitted with 12V or 24V electrics. For twin engines, two immobilisers are required.

The kit contains:

The electronic unit (control unit) with connections for fuel cut-off valve, power supply, alarm, etc.

16 pole cable with contact for connection to the electronic unit.

Antenna for receiving remote control signals.

A status indicator (light) with cable for connection to the control unit.

Cables for connecting a fuel cut-off valve, and cables for dedicated power supply to the system.

One fuel cut-off valve.

Optional extras:

**38.157
EXTRA FUEL CUT-OFF VALVE**
Part no. 874262-9

**38.158
EXTENSION CABLE**
Part no. 874119-1. Extension cable, if required to extend the electronic unit, 8 pole, 5 m.

**38.159
EXTENSION CABLE**
Part no. 874258-7. Extension cable, if required to other components, 2 pole, 3 m.

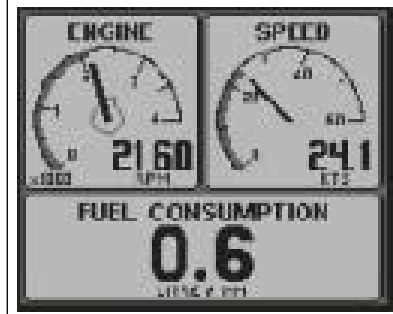
**38.160
REMOTE CONTROL HANDSETS.**
Part no. 874253-8. (Up to 5 remotes can be programmed).

Note! Alarm components, such as sirens/ flashing lights, circuit breakers etc., are not supplied by Volvo Penta.



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Engine speed, speed, fuel consumption/distance.



38.162

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Up to 8 hours engine history, including engine speed, coolant temperature, fuel consumption etc.



38.162

2806

Engine speed, coolant temperature, battery voltage, boost pressure.



38.162

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Fuel consumption and operational hours from reset.

38.162

VOLVO PENTA EDC DISPLAY

Part no. 874293-4. New instrument for engine monitoring of electronically controlled diesel engines. Monitors all of your engine functions on one instrument at the touch of a button. Easily customised to suit your own individual requirements, e.g. analogue or digital display, 8 different languages, different types of units (e.g. litres or gallons).

Functions include:

- Engine speed
- Current or average fuel consumption
- Turbo boost pressure
- Coolant temperature
- Battery voltage

The extensive choice of data available and the ability to customise information make the Volvo Penta EDC Display superior to traditional instruments. Just press a button to switch between basic engine data, such as engine speed, turbo boost pressure, coolant temperature and battery voltage, to current or average fuel consumption. You can choose between litres per nautical mile or litres per hour. Press the button again to see a graphic display of engine data from the last 8 hours.

Since the display has an input from the navigation system in the boat, boat speed data taken from the log or GPS can contribute to information about fuel consumption per nautical mile. The only system requirement is that the information conforms with the NMEA 0183 standard. No matter whether you prefer gallons or litres, Fahrenheit or Celsius, BAR or PSI, you can choose to display the information the way you want.

To be able to choose the language is a great advantage, not only for yourself, but also if you want to give relevant engine facts to service personnel in different countries, or if someone of a different nationality was put in charge of navigation. Choose one of 8 languages: Dutch, English, Finnish, French, German, Italian, Spanish and Swedish.

Using the Volvo Penta EDC Display, you can choose alarm limits yourself, for example you can get immediate information when the battery voltage drops, the turbo boost pressure rises, or the coolant temperature is too high. Other facilities include monitoring and reminders about service intervals.

When installing a new engine you don't need the complete instrument panel. Together with a simpler instrument panel kit part.no. 874036-7 and oil pressure gauge the EDC Display will give you all necessary alarm and monitoring functions.

The instrument is easy to install and connect. It is designed for 12 V or 24 V and should be installed with one instrument for each engine and control location, for comfortable monitoring and control.

The instrument is easy to read, even in strong light. The instrument automatically adjusts image contrast to the current lighting conditions. Brightness and contrast can also be set to suit personal taste.

Voltage	12/24 V
Dimensions	110 mm x 110 mm
Installation depth	33 mm
NMEA Inputs	1



38.163

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38.163
VOLVO PENTA MULTI DISPLAY
 Part no. 874308-0. New instrument for monitoring all important navigation data. Provides an extensive range of data making navigation easier and safer. A simple menu allows you to see data presented in a variety of ways. Easily customised to suit your requirements, e.g. analogue or digital display, 8 different languages or different types of units.

- Functions include:**
- Speed
 - Depth
 - Water temperature
 - Position
 - Bearing

The Volvo Penta Multi Display gives you all the information you need about boat, wind or water conditions: Speed in water or speed over ground, water temperature, wind speed, battery status, compass, position, bearing... in analogue or digital mode.

Just press a button to retrieve the data you want to see. Sub-menus will guide you to the information of your choice and to the variety of ways to display the information. You decide how you want your information presented. For example speed can be displayed in digital figures, as a graph which describes variations over time, or in a combination of speed and depth.

You can combine the information according to your own choice in blocks of 2 or 4 items of data on the same screen. The Volvo Penta Multi Display retrieves information from a compass, the GPS antenna and from sensors for depth, speed and temperature.

You have a choice of 8 languages; Dutch, English, Finnish, French, German, Italian, Spanish and Swedish. You can also choose between different types of units, for example between mph or knots and meters, feet or fathoms etc. The instrument is easy to read, even in strong light. The instrument automatically adjusts image contrast to the current lighting conditions. Brightness and contrast can also be set to suit personal taste.

Voltage	12 V
Dimensions	110 mm x 110 mm
Installation depth	33 mm
NMEA Inputs	3
NMEA Outputs	1

Pos.no.	Part no.	
38.164	41103706-2	Trunnion mount
38.165	41103705-4	Speed sensor
38.166	41103703-9	Depth sensor
38.167	41103704-7	Depth, speed and temperature sensor
38.168	41103702-1	Interface for depth, speed and temperature
38.169	41103701-3	Compass
38.170	41103700-5	GPS antenna

Examples of different screens.

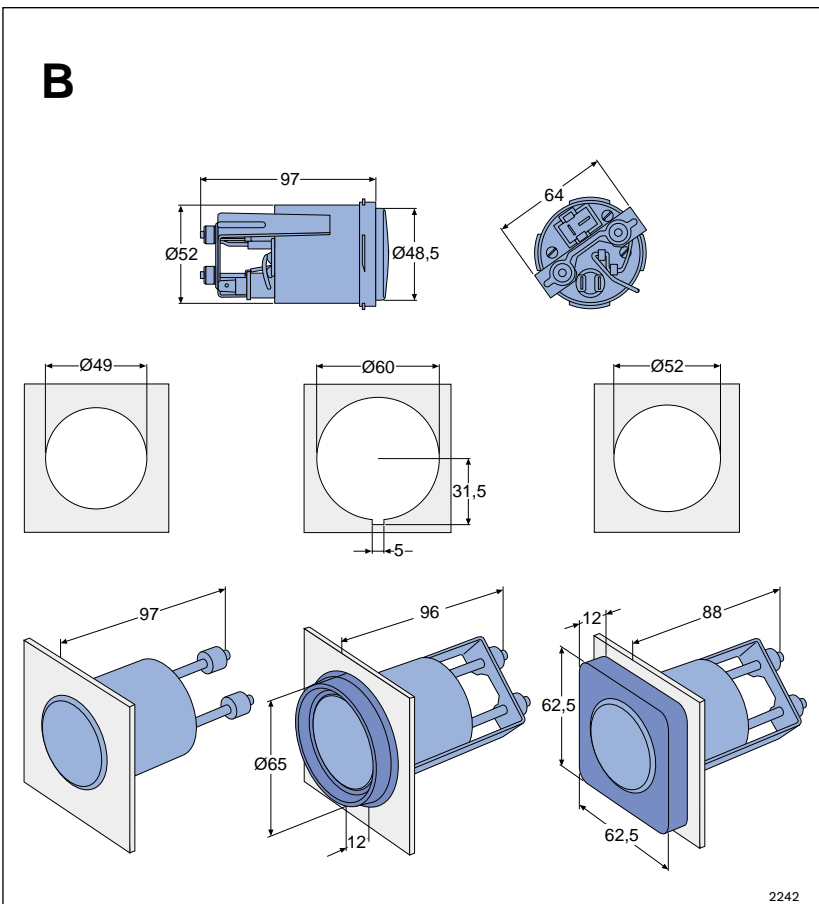
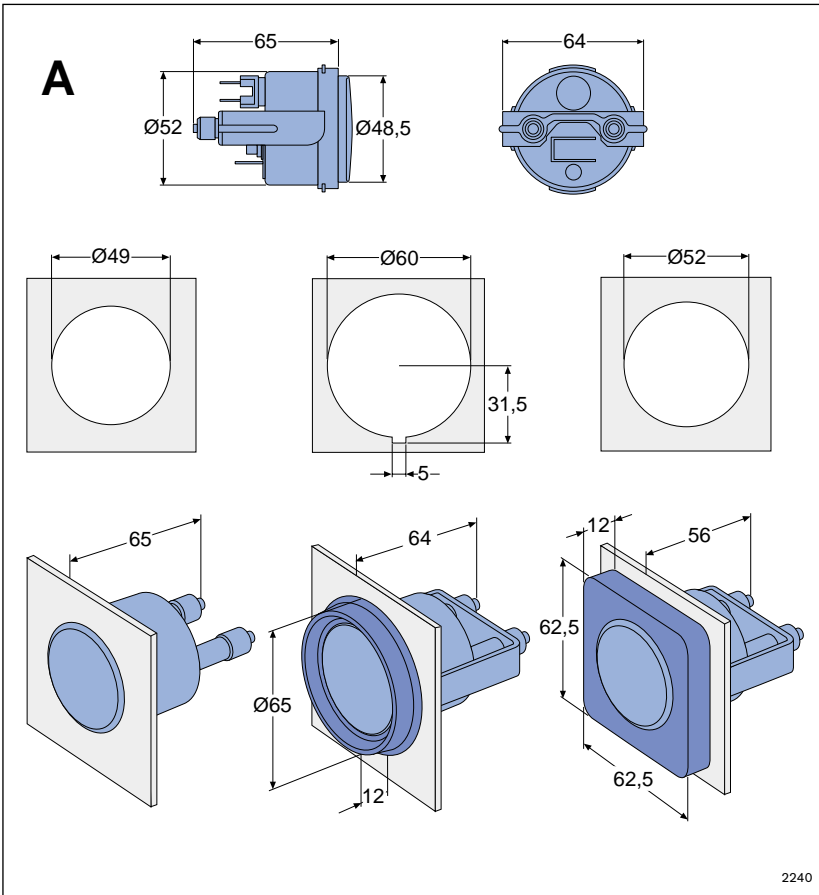
Speed/Depth							
Navigation							
Multi							
Miscellaneous							

38.163

2814

As standard, all instruments have a circular front ring but can be fitted with different sized rectangular instrument panel frames for a modular instrument panel construction. A third installation alternative is for the instruments to be flush-mounted in custom designed instrument panels.

Please refer to pictures A, B, C and D for installation alternatives.



38.1 OPERATING CLOCK - KIT

Part no. 1140464-7. The operating clock is a precision quartz instrument which shows the total number of hours and minutes that the engine has run. It is an important aid to monitoring correct oil change and other service intervals.

Installation dimension: B

38.2 OPERATING CLOCK, INSTRUMENT ONLY

Part no. 872479-1. Instrument only for 38.1. Including mounting bracket but excluding front ring. Front ring, see 38.25.

38.3 VOLTMETER, KIT

Part no. 858878-2. With the engine running, the voltmeter shows the alternator charge voltage to the battery. When the engine is shut down, it shows current battery voltage.

Installation dimension: A



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2119



38.7

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**38.4
FUEL GAUGE, KIT**

Part no. 873808-0. The fuel gauge show the quantity of fuel in the fuel tank – an important function for marine safety. The sensor, which is installed in the fuel tank, is equipped with a float that follows the level of fuel in the tank.

Installation dimension: A

**38.5
FUEL GAUGE, INSTRUMENT**

Part no. 863940-3. Instrument only for 38.4. Including mounting bracket but excluding front ring. Front ring, see 38.25.

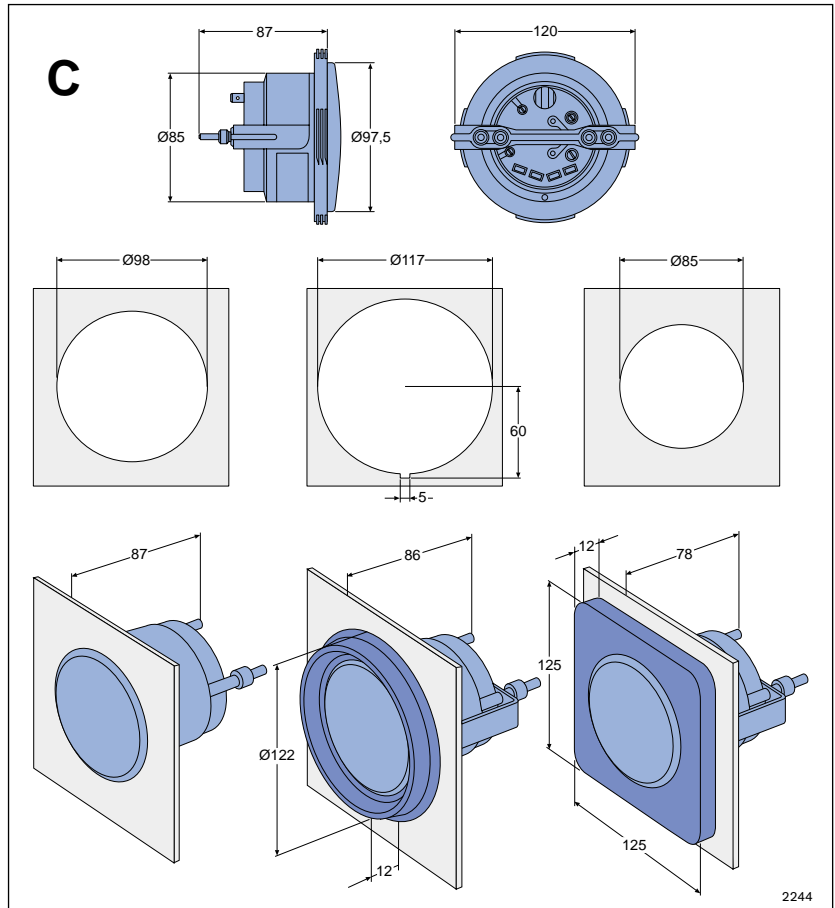
**38.6
FUEL GAUGE SENSOR**

Part no. 873772-8. Sensor only for 38.4.

**38.7
FRESH WATER GAUGE, KIT**

Part no. 1140462-1. The gauge shows the water level in the fresh water tank. The sensor, which is installed in the tank, is equipped with a float that follows the level of the water in the tank.

Installation dimension: A

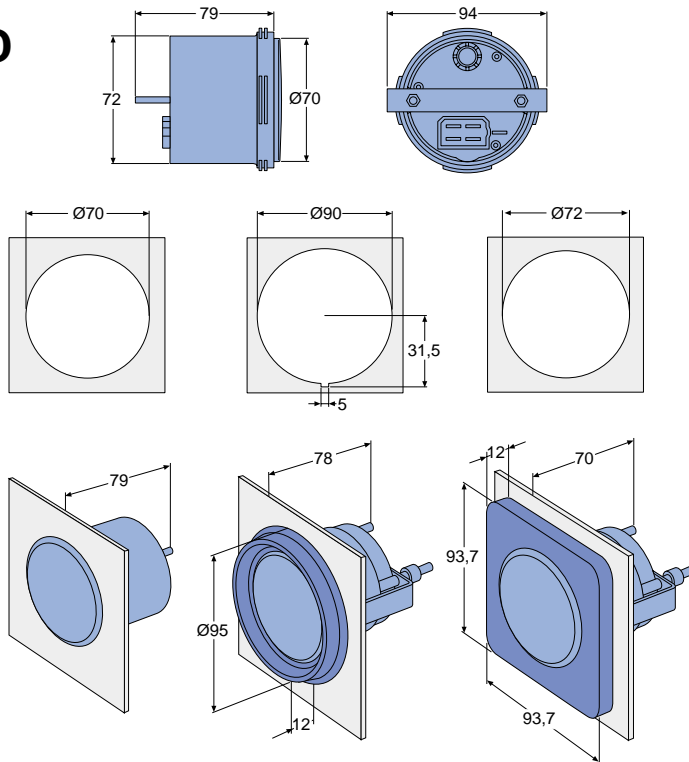


**38.8
FRESH WATER GAUGE, INSTRUMENT**

Part no. 863942-9. Instrument only for 38.7. Including mounting bracket but excluding front ring. Front ring, see 38.25.

**38.9
FRESH WATER GAUGE SENSOR**

Part no. 834389-9. Sensor only for 38.7.

D

2248



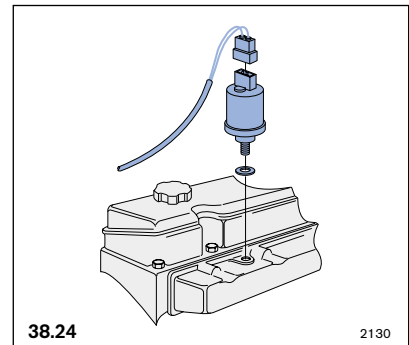
38.14-15

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38.24

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38.24

2130



38.10

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38.10 RUDDER INDICATOR, KIT

Part no. 1140465-4. The indicator shows the angle of the rudder and is an invaluable aid when manoeuvring and mooring in crowded harbours.

Installation dimension: A

38.11 RUDDER INDICATOR, INSTRUMENT

Part no. 863944-5. Instrument only for 38.10. Including mounting bracket but excluding front ring. Front ring, see 38.25.

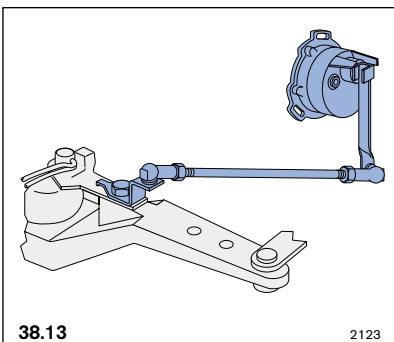
38.12 RUDDER INDICATOR SENSOR

Part no. 837772-3. Sensor only for 38.10.

38.13 RUDDER INDICATOR, KIT FOR DRIVES

Part no. 1140463-9. The indicator shows the drive angle and is an invaluable aid when manoeuvring and mooring in crowded harbours. Complete kit for connection of sensor to the steering arm of the drive.

Installation dimension: A



38.13

2123

38.14 CLOCK, KIT

Part no. 1140597-4. The clock displays hours and minutes. Supplied with separate push button switch for easy setting of correct time.

Installation dimension: B

38.15 CLOCK

Part no. 856814-9. Instrument only for 38.14. Including mounting bracket but excluding front ring. Front ring, see 38.25.

38.24 TURBO-CHARGE PRESSURE GAUGE

Part no. 873855-1. For turbo charged diesel engines. Displays the current charging air pressure in the inlet manifold after the turbo charger.

Installation dimension: A

38

Instruments

**YOU CAN ALWAYS TRUST
GENUINE VOLVO PENTA PARTS**



YOU BOUGHT YOUR DREAM BOAT. NOW KEEP THAT DREAM AFLOAT.

It's no coincidence that many of the world's most attractive boats have Volvo Penta power in the engine compartment. In these circles, power, durability and unfailing reliability are as highly prized as good looks and seaworthiness. The fact that there are high-quality spare parts that also meet the same high standards makes it all that much better. Choose Genuine Volvo Penta parts for your service and repairs and you can continue to enjoy your place in the sun.

**VOLVO
PENTA**

AB Volvo Penta
SE-405 08 Göteborg



38.21

2127

**38.17
SYNCHRONIZING TACHOMETERS,
INSTRUMENTS**

Part no. 856809-9. Instruments only for 38.16. Including mounting bracket but excluding front ring. Front ring, see 38.27.

**38.21
PRESSURE LOG KIT**

Part no. 1140433-2. A pressure log for speed of up to 65 knots. The instrument is hermetically sealed with double glass to prevent misting. The glass has a reflection-free convex shape and a non-glare interior light which permits night sight without eye strain.

The kit contains: Instrument, pitot tube, installation fittings.

Installation dimension: C

**38.22
PRESSURE LOG - INSTRUMENT**

Part no. 856810-7. Instrument only for 38.21. Including mounting bracket but excluding front ring. Front ring, see 38.27.

**38.23
PRESSURE LOG PITOT TUBE**

Part no. 856818-0. Pitot tube (transducer) only for 38.21.



38.25-27

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38.25
FRONT-RING FOR 52 MM INSTRUMENTS
 Part no. 858643-0. Circular instrument fitting for instruments with a diameter of 52 mm. Required hole diameter 60 mm.

38.26
FRONT-RING FOR 72 MM INSTRUMENTS
 Part no. 873517-7. Circular instrument fitting for instruments with a diameter of 72 mm. Required hole diameter 90 mm.

38.27
FRONT-RING FOR 85/100 MM INSTRUMENTS
 Part no. 856805-7. Circular instrument fitting for instruments with a diameter of 85 or 100 mm. Required hole diameter 117 mm.

38.28
SQUARE INSTRUMENT FRAME FOR 52 MM INSTRUMENTS
 Part no. 856822-2. Square instrument frame for instruments with a diameter of 52 mm. External dimensions: 62.5 x 62.5 mm. Required hole diameter 52 mm.



38.28-29, 78

2139

38.29
SQUARE INSTRUMENT FRAME FOR 85/100 MM INSTRUMENTS
 Part no. 856823-0. Square instrument frame for instruments with a diameter of 85 or 100 mm. External dimensions: 125 x 125 mm. Required hole diameters 85 or 100 mm.

38.78
SQUARE INSTRUMENT FRAME, 72 MM INSTRUMENTS
 Part no. 873210-9. Square instrument frame for instruments with a diameter of 72 mm. External dimensions: 93.7 x 93.7 mm. Required hole diameter 72 mm.

38.30
INSTRUMENT PANEL FOR 52 MM INSTRUMENTS
 Part no. 858873-3. For one extra instrument with 38.25 front-ring and two push-button switches. External dimensions: 140 x 90 mm.

38.31
INSTRUMENT PANEL FOR 52 MM INSTRUMENTS
 Part no. 858874-1. For two extra instruments with 38.25 front-rings and two push-button switches. External dimensions: 190 x 90 mm.

38.32
PRESSURE SWITCH - SPRING-LOADED
 Part no. 828718-7. For signal horn, etc. Spring-loaded switch, switches on when pressed, off when released. Suitable for instrument panels 38.30-31.

38.33
PUSH-BUTTON SWITCH - TWO POSITIONAL
 Part no. 828719-5. ON/OFF switch suitable for navigation lights, etc. Press-ON/Press-OFF. Suitable for instrument panels 38.30-31.

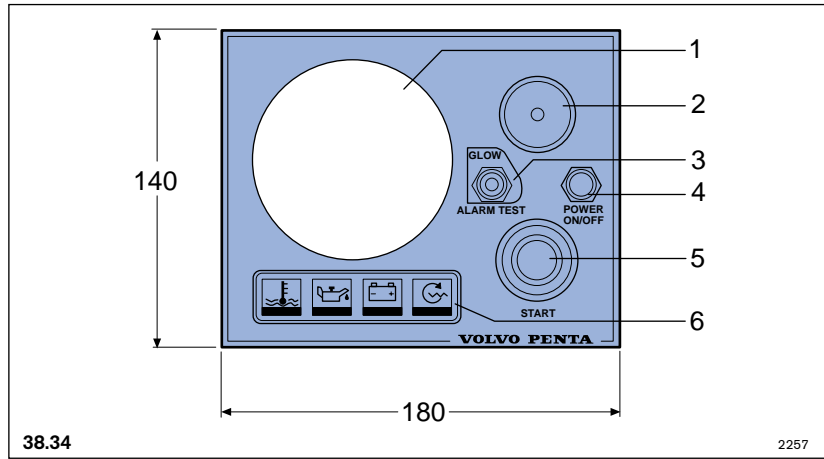
38.208
HOLDER FOR 52 MM INSTRUMENTS
 Part no. 873207-5. For one instrument.

38.209
HOLDER FOR 72 MM INSTRUMENTS
 Part no. 873208-3. For one instrument.



38.30-33

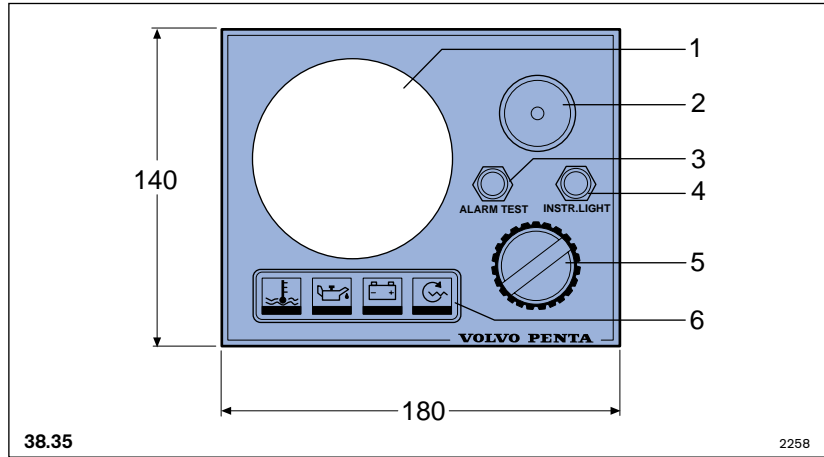
2135



38.34
INSTRUMENT PANEL, STANDARD
 Part no. 873594-6. Intended for either Main control position or Flybridge installation.

1. Opening for tachometer
2. Alarm buzzer
3. Toggle switch for pre-heater/alarm test
4. Instrument panel lighting ON/OFF switch
5. Start button
6. Warning light panel for:
 - coolant temperature
 - oil pressure
 - battery charging
 - pre-heater

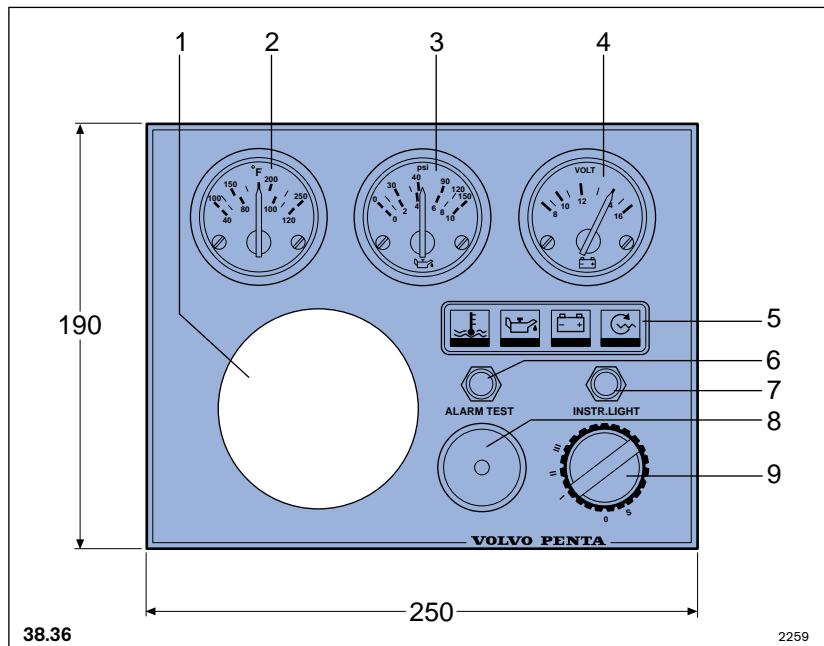
Also order cover plate (38.40) or tachometer (38.41).



38.35
INSTRUMENT PANEL, STANDARD
 Part no. 873593-8. Intended for either Main control position or Flybridge installation.

1. Opening for tachometer
2. Alarm buzzer
3. Push-button switch for alarm test
4. Push-button switch for instrument panel lighting
5. Ignition lock
6. Warning light panel for:
 - coolant temperature
 - oil pressure
 - battery charging
 - pre-heater

Also order cover plate (38.40) or tachometer (38.41).



38.36
INSTRUMENT PANEL, DE LUXE
 Part no. 873590-4. Intended for either Main control position or Flybridge installation.

1. Opening for tachometer
2. Coolant temperature gauge
3. Oil pressure gauge
4. Voltmeter
5. Warning light panel for:
 - coolant temperature
 - oil pressure
 - battery charging
 - pre-heater
6. Push-button switch for alarm test
7. Push-button switch for instrument panel lighting
8. Alarm buzzer
9. Ignition lock

Tachometer (38.41) should also be ordered.

For double coolant temperature and oil pressure gauge installations, new sensors must be fitted to the engine (this applies to 31-44 engines).

Coolant temp sensor: 840074-9 (38.49)
 Oil pressure sensor: 866836-0 (38.50)

38.37

INSTRUMENT PANEL KIT

Part no. 874036-7. For custom designed instrument panels intended for either Main control position or Flybridge installation.

Includes: Panel with
Alarm buzzer
Push-button switch for alarm test
Push-button switch for instrument panel lighting
Ignition lock
Warning light panel
Cable connections

If required, also order:

Tachometer	873992-2 (38.41)
Front ring	873517-7 (38.26)
Mounting bracket	873208-3 (38.209)
Instrument kit	873286-9 (38.38)

38.38

INSTRUMENT KIT

Part no. 873286-9. For custom designed instrument panels intended for either Main control position or Flybridge installation.

Includes:
Coolant temperature gauge
Oil pressure gauge
Battery charge meter

If required, also order:

Front rings 858643-0 (38.25)
– 1 per instrument
Mounting brackets 873207-5 (38.208)
– 1 per instrument

For double coolant temperature and oil pressure gauge installations, new sensors must be fitted to the engine.

Coolant temp sensor: 840074-9 (38.49)
Oil pressure sensor: 866836-0 (38.50)

38.39

INSTRUMENT PANEL KIT

Part no. 873582-1. For custom designed instrument panels intended for either Main control position or Flybridge installation.

Includes: Panel with
Alarm buzzer
Push-button switch for alarm test
Push-button switch for instrument panel lighting
Start button
Stop button
Warning light panel
Cable connections

If required, also order:

Tachometer	873992-2 (38.41)
Front ring	873517-7 (38.26)
Mounting bracket	873208-3 (38.209)

38.40

COVER PLATE

Part no. 858648-9. To cover the tachometer opening in the instrument panel should a tachometer not be installed.



38.41

TACHOMETER KIT

Part no. 873992-2. Also includes operating clock. Suitable for both standard and De Luxe instrument panels (38.34, 35, 36) and instrument panel kits (38.37, 39).

If required, also order:

Front ring	873517-7 (38.26)
Mounting bracket	873208-3 (38.209)

Installation dimension: D

38.42

Y-CONNECTOR FOR FLYBRIDGE

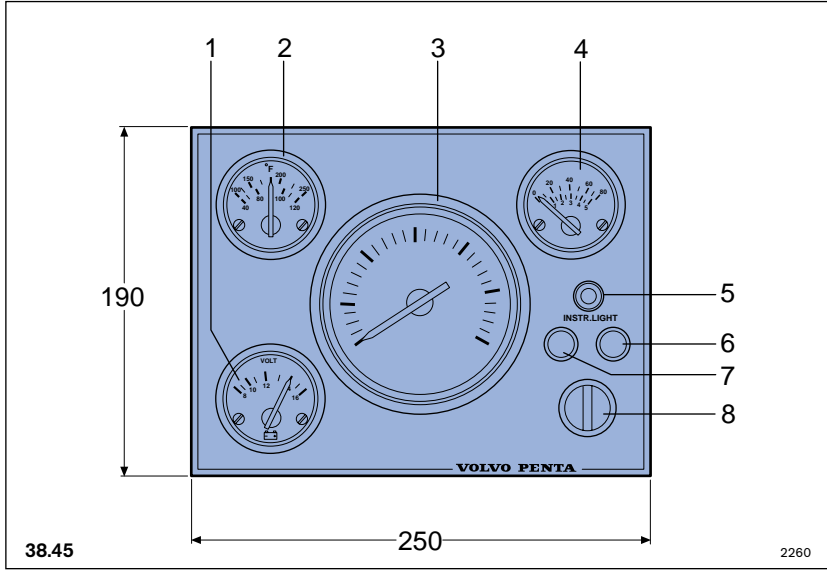
Part no. 1140598-2. For the connection of the Flybridge instrument panel to the existing main instrument panel. The connector has 16-pole snap on connectors.



38.43

HANDED FLYBRIDGE INSTRUMENT PANEL

Part no. 860184-1. Excluding instruments, lamps and switches. The same design and dimensions as 38.36 but in mirror image.



38.45
PETROL ENGINE INSTRUMENT PANEL
 Part no. 3851008-7. Intended for either Main control position or Flybridge installation.
 Includes:
 1) Voltmeter, part no. 873199-4
 2) Coolant temperature gauge, part no. 856811-5
 3) Tachometer, part no. 856808-1
 4) Oil pressure gauge, part no. 856812-3
 5) Push-button switch for instrument panel lighting, part no. 828585-0
 6, 7) Fuses, part no. 841518-4
 8) Ignition lock, part no. 856659-8

For double coolant temperature and oil pressure gauge installations, new sensors must be fitted to the engine. See 38.48, 51.

38.91
CABLE CONNECTION KIT
 Part no. 3858640-0. Used for connecting instrument kit (38.92) to engine electrical system.

Cable harness, part no. 3858602-0
 Starter/ignition switch, part no. 856659-8
 2 fuses, part no. 841518-4
 Switch for instrument lighting, part no. 828585-0

Warning lamp comprising:
 Lamp holder part no. 808175-4
 Bulb part no. 19923-2
 Holder, part no. 838455-4

38.92
INSTRUMENT KIT WITH NEW TACHOMETER
 Part no. 3858636-8.

Tachometer part no. 3855604-9
 Coolant temperature gauge part no. 856811-5
 Oil pressure gauge part no. 856812-3
 Voltmeter part no. 863930-4

38.48-49
SENSOR, ENGINE COOLANT TEMPERATURE
 Intended for use with double instrumentation and replaces the standard sensor.

Pos.no.	Part no.
38.48	872068-2
38.49	840074-9

38.50-51
SENSOR, ENGINE OIL PRESSURE
 Intended for use with double instrumentation and replaces the standard sensor.

Pos.no.	Part no.
38.50	866836-0
38.51	872064-1

38.77
SENSOR KIT FOR INSTRUMENT PANEL, DE LUXE VERSION (38.36)
 Part no. 873569-8. Only for MD2010, MD2020, MD2030 and MD2040.



38.52

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38.55-57

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38.64

2159



38.54

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38.93-94

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38.65

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**38.52
ALARM PANEL DISPLAY**

Part no. 858876-6. Used when alarm functions are moved from the instrument panel and separately installed. The panel contains symbols for coolant temperature, oil pressure, battery charging and pre-heater.

Note! The display panel is merely an empty housing, the required connections, lamps, etc., must be taken from the instrument panel.

Dimensions: 113 x 50 mm

**38.54
Y-CONNECTOR, FLYBRIDGE**

Part no. 3851005-3. For the connection of the Flybridge instruments to the existing main instrument panel. The connector has 11-pole snap on connectors.

**38.89
CABLE CONNECTION KIT, DUAL INSTALLATION**

Part no. 3857221-0. The connection kit is used with dual installations of V6/V8 engines with electronic fuel injection. If one engine is electronically throttled back as a result of overheating or some other problem, the other engine will also be reduced to the same speed automatically, for added safety and comfort onboard.

**38.55-57, 86-87, 93-96
EXTENSION CABLES**

Both ends of the extension cables are equipped with snap-on connectors which fit directly between the engine cables and the instrument panel.

Pos.no.	Part no.	Length, m
38.55	846648-4	3
38.56	846649-2	5
38.57	846650-0	7
38.86	873838-7	9
38.87	873839-5	11
38.93	3858151-8	3
38.94	3858152-6	6
38.95	3858154-2	3 1)
38.96	3858155-9	6 1)

- 1) From engine, use cable:
 – 3858151-8 (38.93), L = 3 m or
 – 3858152-6 (38.94), L = 6 m

**38.62-63
DIODE CABLE**

Required for pre-heater and stop function on certain installations.

Pos.no.	Part no.
38.62	873567-2
38.63	873568-0

**38.64, 88
DIGITAL POWER TRIM INSTRUMENT KIT**

For Flybridge installation. Equipped with display showing the trim angle of the drive. Control panel 3855650-2 (38.65) is suitable for controlling Power Trim.

Note! 3855650-2 must be ordered separately.

Pos.no.	Part no.	Drive type
38.64	872239-9	DP-E
38.88	3858252-4	DP-S

Installation dimension: A

**38.65
POWER TRIM CONTROL UNIT**

Part no. 3855650-2. For custom made Power Trim control units:
 Push-button switch for by-pass, part no. 828718-7 (38.32).
 Toggle switch, part no. 828742-7 (38.68).
 Rubber seal for toggle switch, part no. 828743-5

Manoeuvring from controls – see group 27.

**38.69
ANALOG POWER TRIM INSTRUMENT**

Part no. 3860439-3. For DPX drive. Shows the drive trim angle. Control unit 3855650-2 can be used to operate the Power Trim.



38.66 2160



38.70 2164



38.216-217 2423



38.67 2162



38.75-76 2167



38.219 2361



38.68 2163



38.215 2422



38.220 2157

38.66
ANALOG POWER TRIM INSTRUMENT KIT
 Part no. 873136-6. For SP/DP drives control unit 873226-5 (38.67) is also required and must be separately ordered.

Installation dimension: A

38.67
CONTROL UNIT FOR 38.66
 Part no. 873226-5. For Flybridge installations extension cables 856821-4 and 853066-9 are also required. These must be separately ordered. Two relays (part no. 872300-9) are also required.

38.68
TOGGLE SWITCH
 Part no. 814322-4.

38.70
EXTENSION CABLE FOR POWER TRIM (38.64)
 Part no. 853052-9. L = 3 m.

38.75
START LOCK KIT, TWO LOCKS
 Part no. 872625-9. with dual control stations and single engine installations or a single control station and twin engine installation.

The kit contains: 2 identical start locks, 4 identical keys.

38.76
START LOCK KIT, FOUR LOCKS
 Part no. 872624-2. For additional comfort and security with dual control station and twin engine installations.

The kit contains: 4 identical start locks, 8 identical keys.

38.215
Y CONNECTOR FOR POWER TRIM, FLY-BRIDGE
 Part no. 3855712-0.

38.216-218
EXTENSION CABLE FOR POWER TRIM

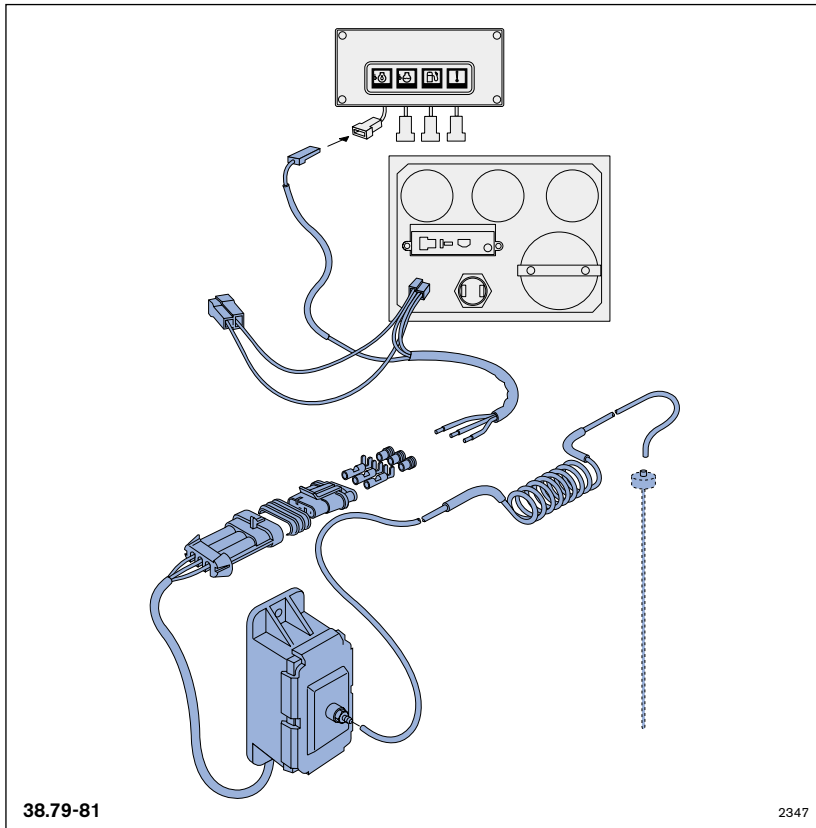
Pos.no.	Part no.	Length, m
38.216	3855711-2	5
38.217	3855710-4	3
38.218	3857048-7	Pigtail

38.219
ANALOG POWER TRIM INSTRUMENT SET
 Part no. 3851787-6.

38.220
SENSOR FOR POWER TRIM, FLYBRIDGE
 Part no. 3855115-6. Replaces existing single control station sensor.

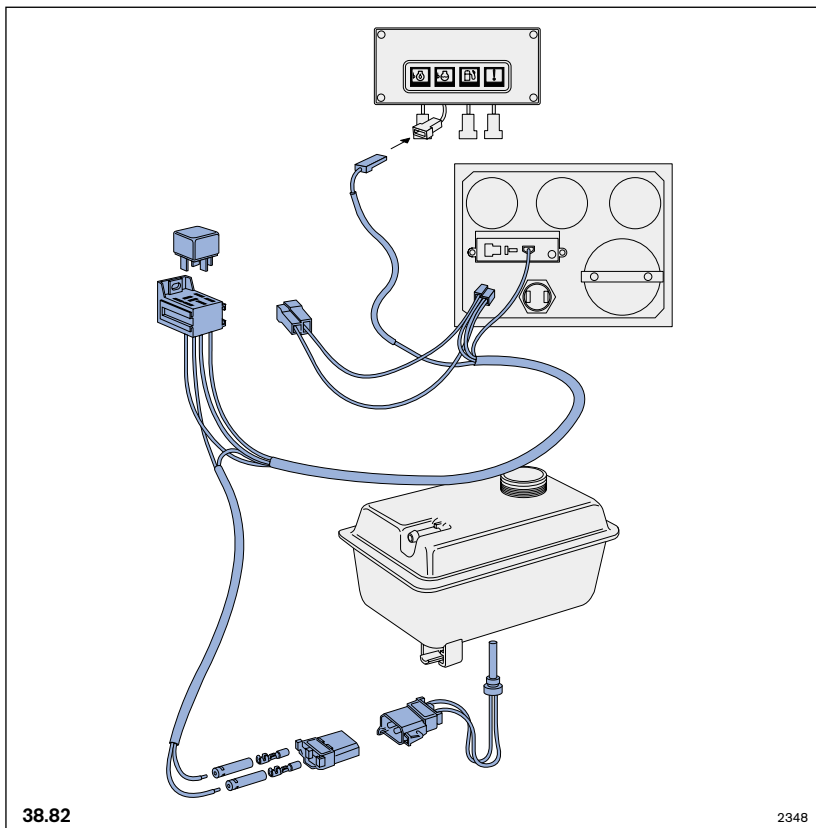
38.221
FEEDER
 Part no. 873618-3.

38.222
ELECTRONIC TRIM LIMITER FOR SX AND DP-S DRIVES
 Part no. 3855584-3.



38.79-81

2347



38.82

2348



38.79-81

2368



38.82

2369

38.79

OIL LEVEL ALARM, SENSOR, 12V

Part no. 866854-3. The oil level alarm further increases safety at sea. The alarm can be connected either to a separate warning light or to Volvo Penta's new alarm panel (38.85).

An oil level sensor is connected to a special dipstick via a plastic hose. The alarm reads off the oil level before starting and activates the alarm if the level is too low. When the ignition key is turned from the 0 position to the drive position and the oil level is satisfactory, the lamp test lasts for 2 seconds. The light will stay on if the oil level is insufficient. The alarm operates only before starting and not while the engine is running.

The alarm panel (38.85) and the dipstick (38.81) are ordered separately. Cables are ordered separately according to the installation instructions.

38.81

OIL LEVEL ALARM, DIPSTICK

Engine	Part no.	Corresp. standard dipstick
D22	3825068-4	859734-6
D31	866850-1	838800-1 1)
D41	866851-9	838801-9 1)
D31/41	866841-0	861087-5 2)
D42/43/44	866841-0	861087-5
D61/71/72	866843-6	863166-5 3)
D63	3825085-8	866746-1
D100/102	866844-4	821101-3
D121/122	866847-7	4772194-5 4)
D121/122	866845-1	822542-7
D162/163	866848-5	849975-8

- 1) Engines with metal oil pipes and dipstick with red grip
- 2) Engines with plastic oil pipes and dipstick with yellow grip
- 3) Engine slope greater than 5 degrees
- 4) Engines with a low oil sump

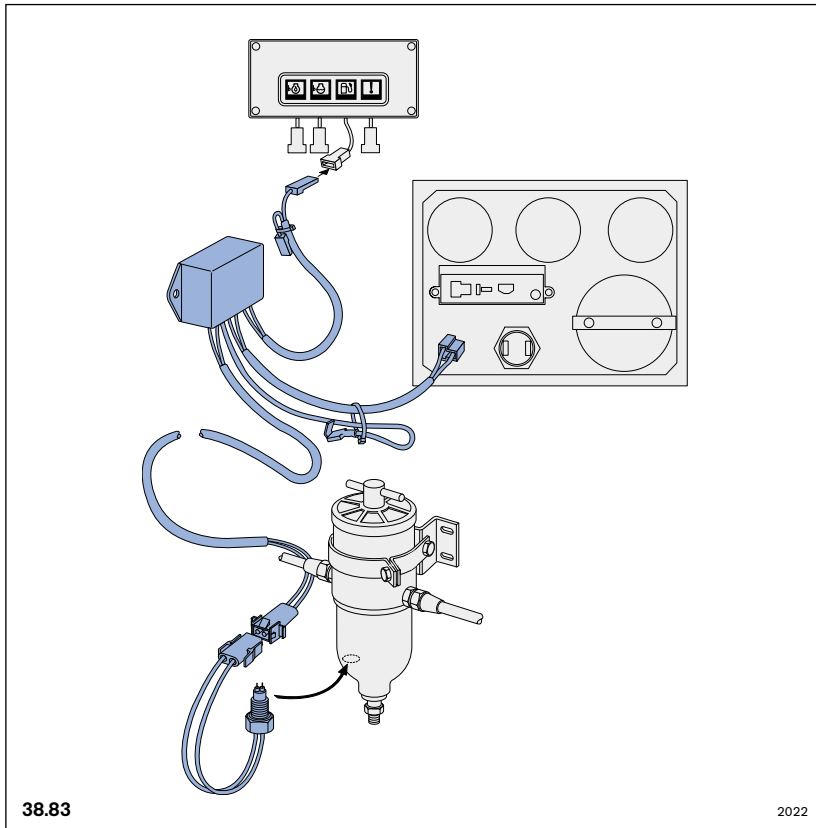
38.82

ALARM FOR LOW COOLANT LEVEL

Part no. 861759-9. The coolant level alarm prevents overheating by issuing a warning about low coolant level before the engine is started. When the ignition key is turned from the 0 position to the drive position and the coolant level is inadequate, the light will stay on but no buzzer alarm will sound. The alarm operates only before the engine is started, not while it is running. The alarm is connected to either a separate warning lamp or to Volvo Penta's new alarm panel (38.85).

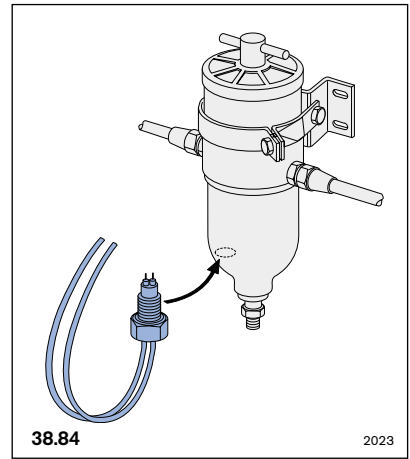
The kit contains sensors and relays. The alarm panel (38.85) is not included and cables are ordered separately according to the installation instructions.

For 12 V or 24 V systems.



38.83

2022



38.84

2023

**38.83
WATER ALARM**

Part no. 1140609-7. Suitable for use in conjunction with fuel filters/water separators 23.19, 22, 24, 25, 43, 51, 53. By means of a warning lamp and audio signal (buzzer), the alarm indicates when it is time to drain the water separator. Once the water has been drained off, the warning light is automatically extinguished. For 12 V or 24 V systems.

**38.84
WATER ALARM SENSOR**

Part no. 1140624-6. Suitable for use in conjunction with fuel filters/water separators 23.19, 22, 24, 25, 43, 51, 53.

Note! No components other than the sensor are included.

**38.85
ALARM PANEL**

Part no. 873609-2. The alarm panel includes lights and a buzzer that warn of the following:

- low engine oil level
- low coolant level
- water in the fuel filter

The alarm panel can be used with 12 V or 24 V systems. 38.79-80, 82 are connected to the alarm panel.

Installation of alarm panel on older engines: The alarm panel is designed to be electrically connected to the standard alarm panel of the new instrument panel. Alarm panels on older instrument panels can be replaced with the new type of alarm panel, part no. 873737-1. This makes it possible to connect the new alarm panel 38.85.



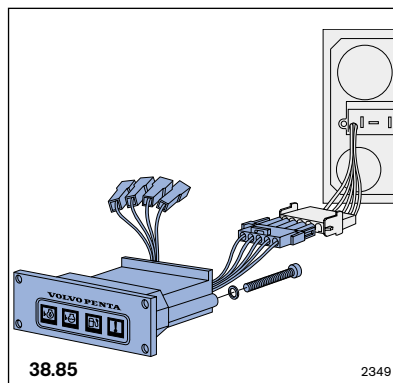
38.83

2365



38.85

2366



38.85

2349

**38.98-100
AUDIBLE ALARM KIT FOR PETROL ENGINES**

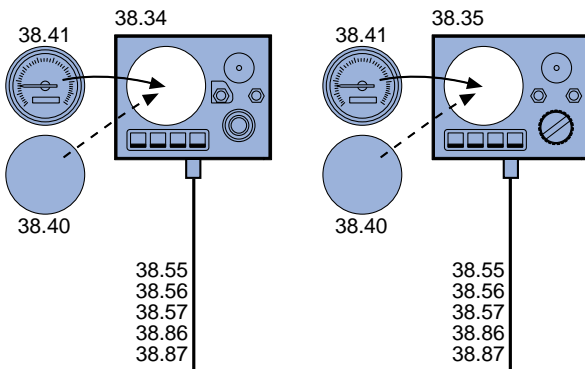
Pos no.	Part no.
38.98	3857955-3
38.99	3857455-4
38.100	3857956-1

Gives audible warning of low engine oil pressure and/or high coolant temperature. For greater convenience and safety onboard.

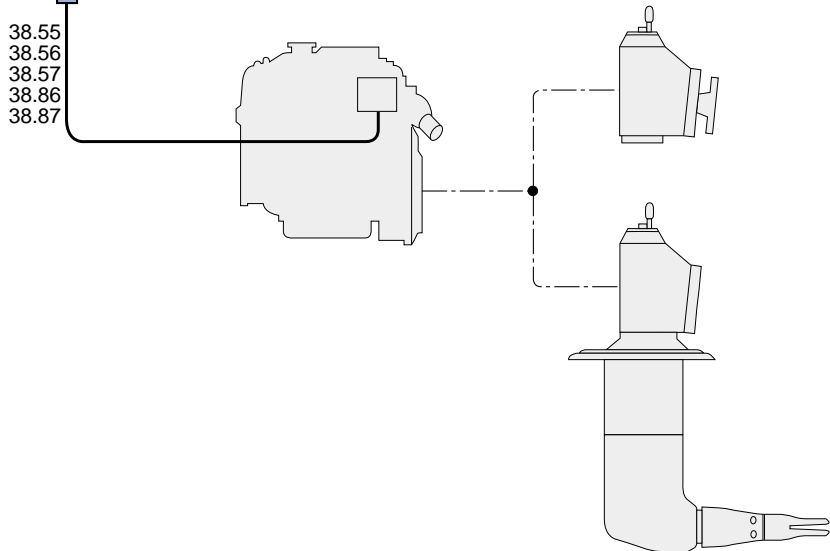
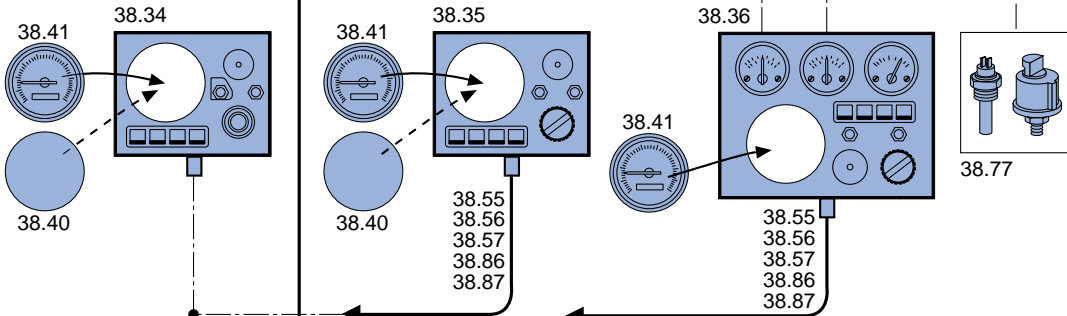
To select correct alarm kit for your petrol engine, see the selection charts at the end of the catalogue.

MD2010, MD2020, MD2030, MD2040

2:nd



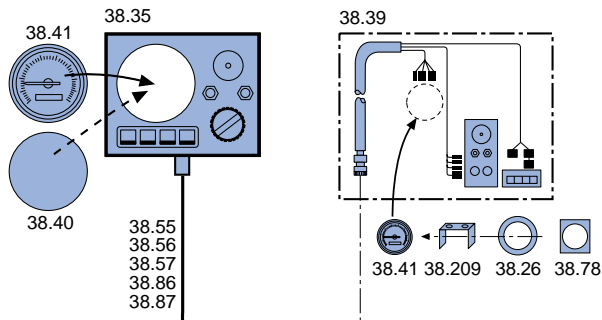
1:st



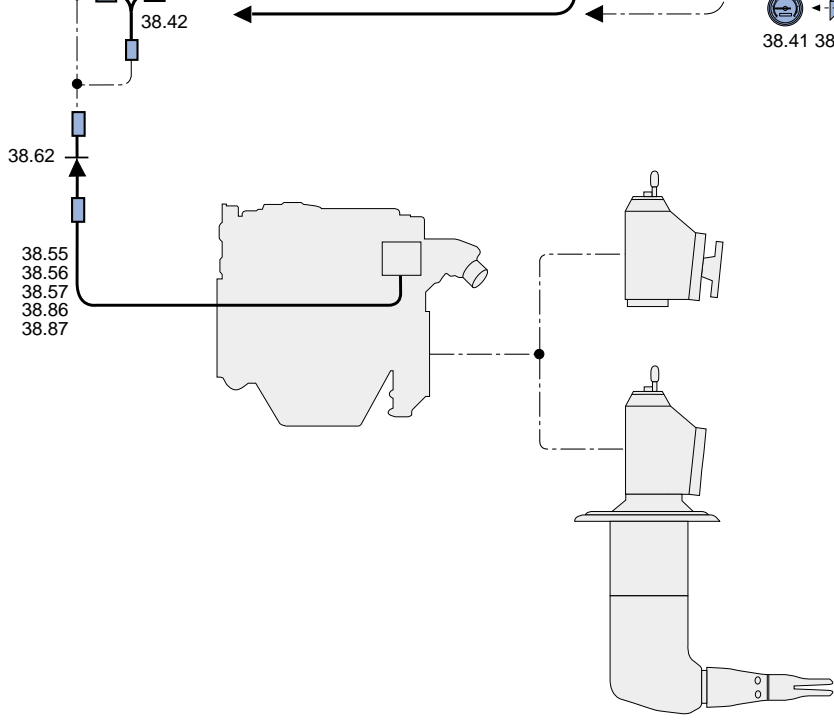
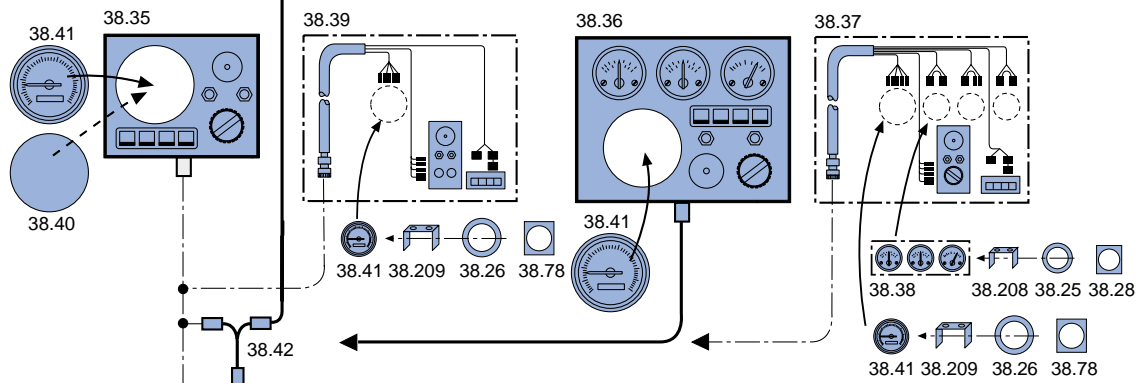
2350

MD22L, MD22P, TMD22, TAMD22

2:nd



1:st

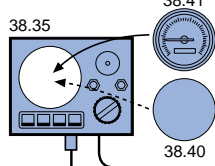


38

Instruments

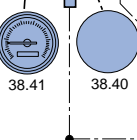
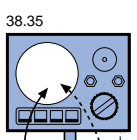
MD22P/SX, TMD22/SX, TAMD22/SX

2:nd



38.55
38.56
38.57
38.86
38.87

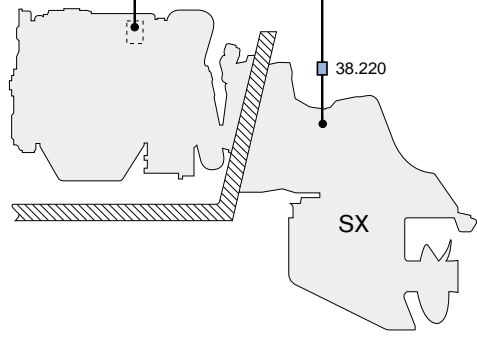
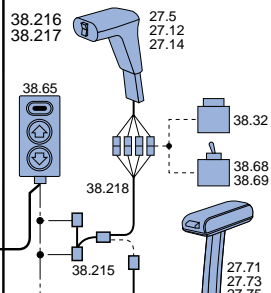
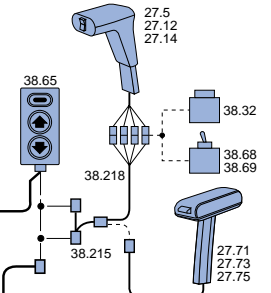
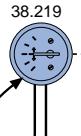
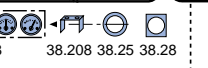
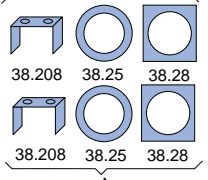
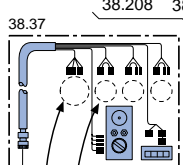
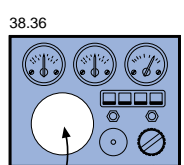
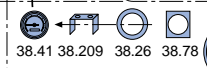
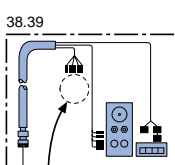
1:st



38.41
38.40

38.42

38.62



38.55
38.56
38.57
38.86
38.87

SX

38.220

38.213
38.214

38.222

38.215

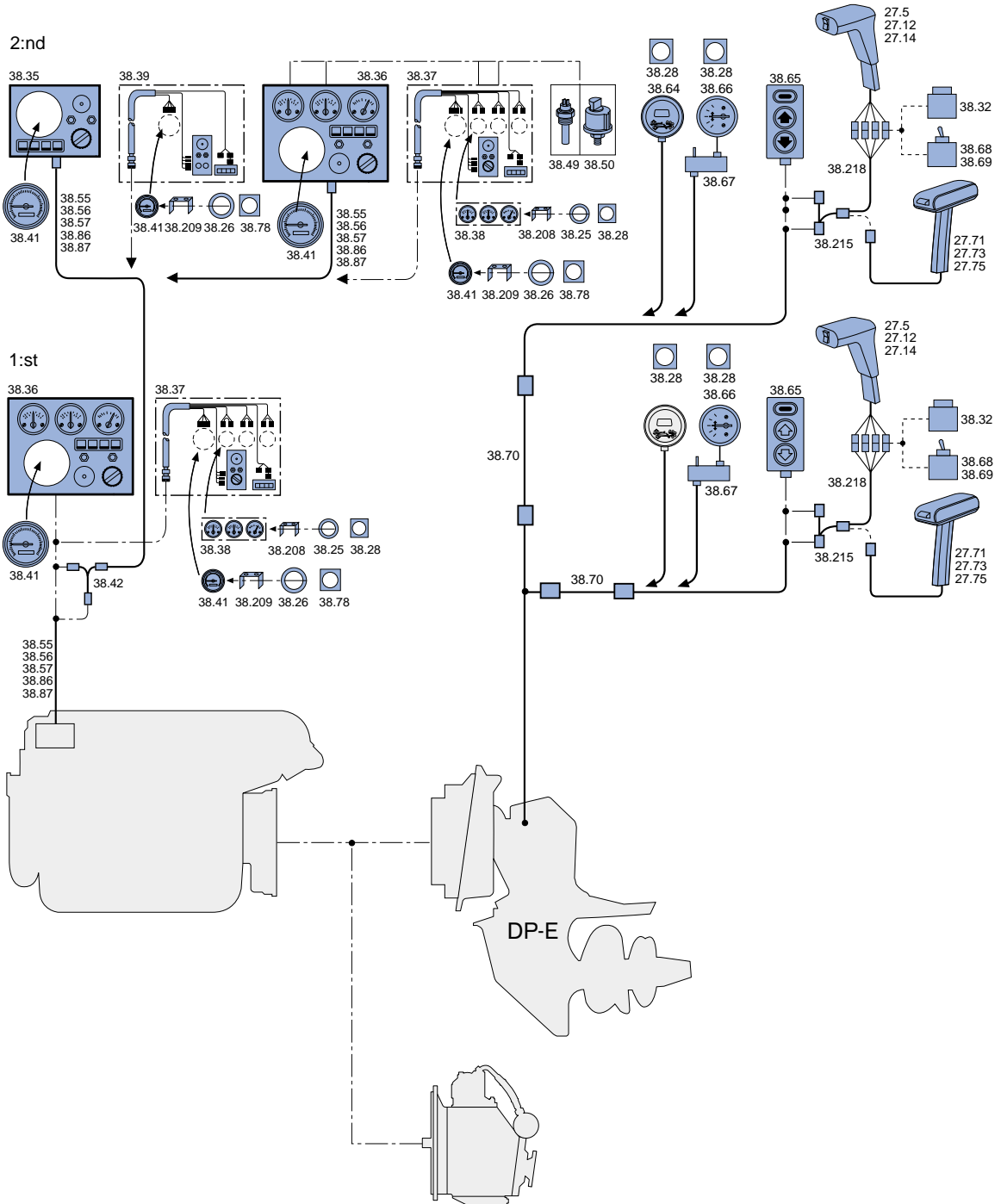
38.216
38.217

38.218

38.215

38.221

T(A)MD31, T(A)MD41, KAMD43, KAMD44, AD31, (A)D41, KAD32, KAD43, KAD44



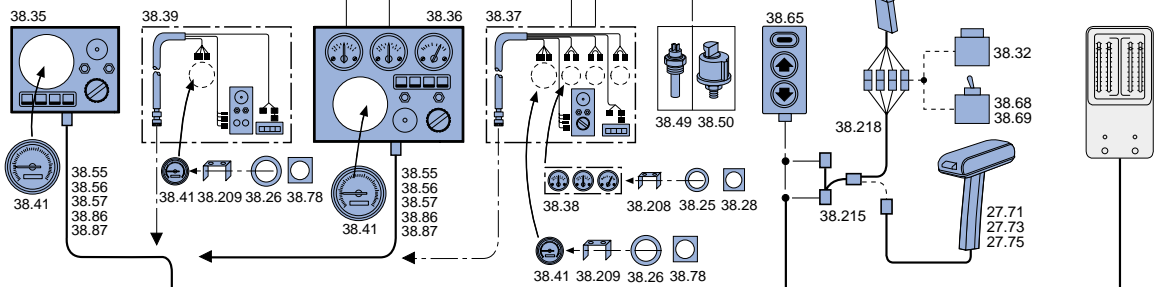
2353

38

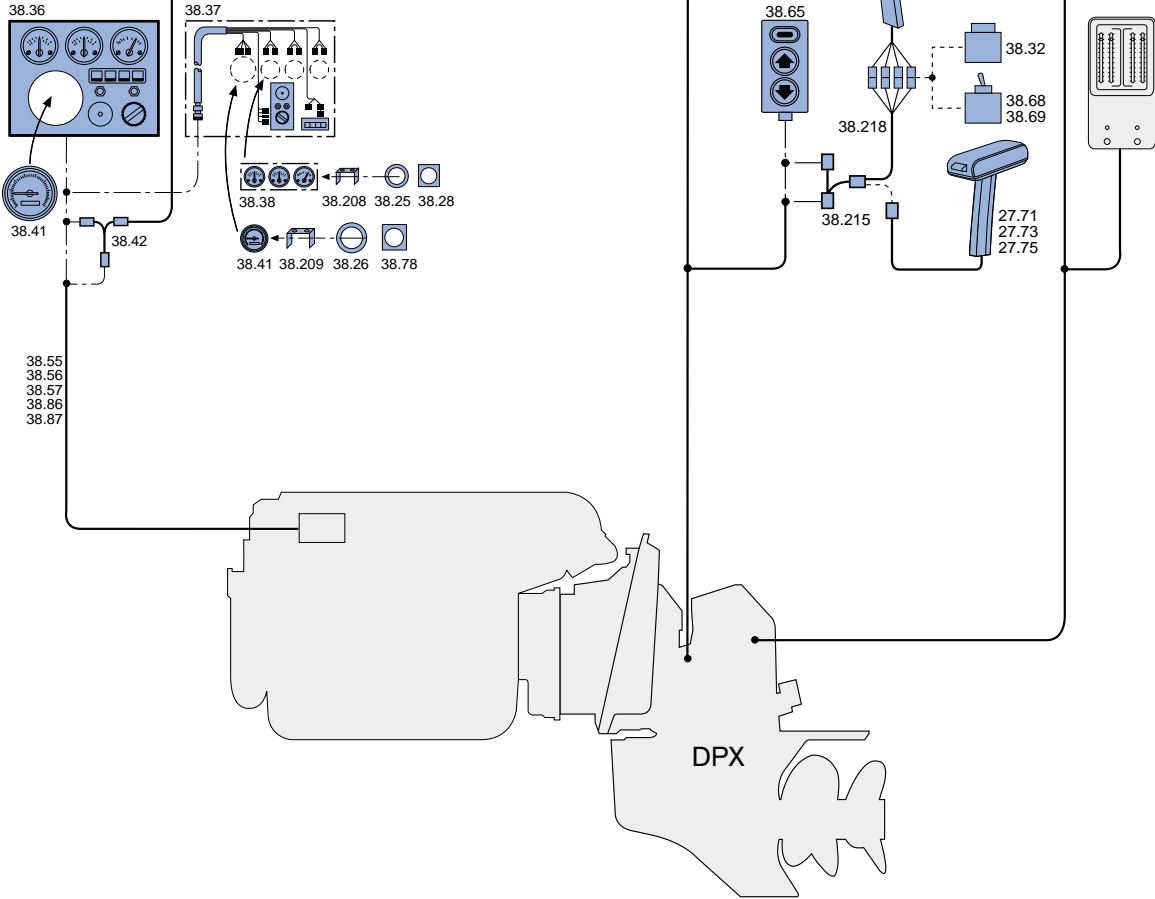
Instruments

KAD43/DPX, KAD44/DPX

2:nd



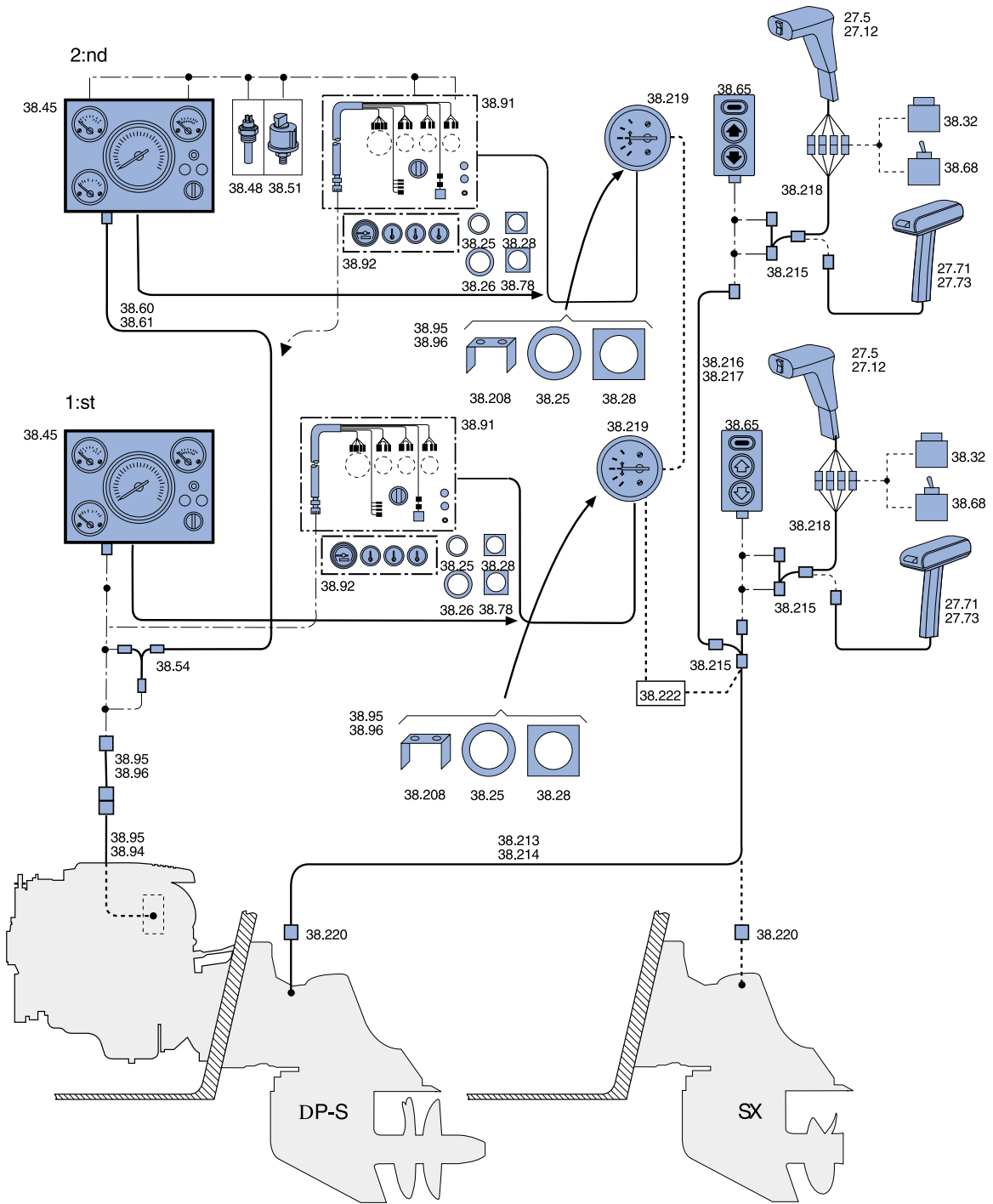
1:st



38

Instruments

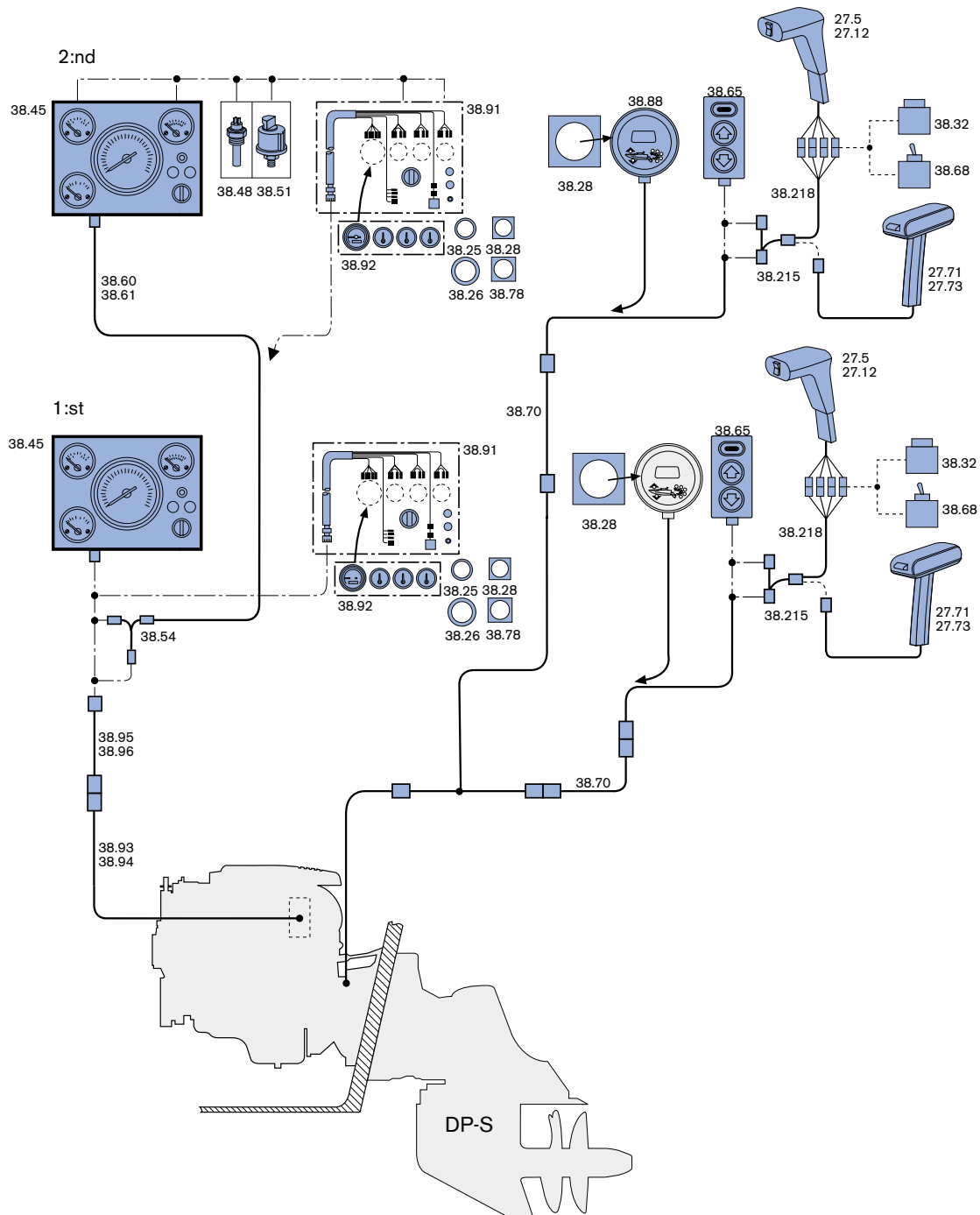
Petrol engines with SX/DP-S drive, analog Power Trim instrument



38

Instruments

Petrol engines with DP-S drive, digital Power Trim instrument



2464

