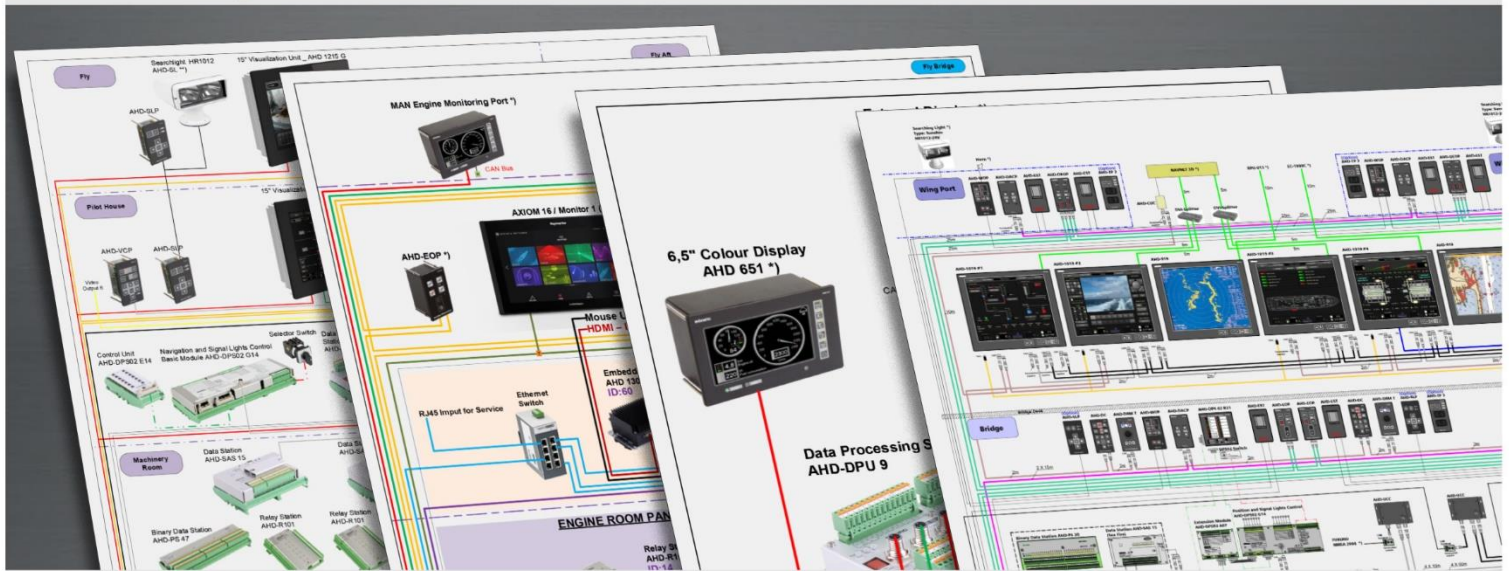


MAN Spare Parts - Price List



Project Business



References



Böning Automationstechnologie GmbH & Co. KG
Am Steenöver 4 D-27777 Ganderkesee · Germany
Internet: www.boening.com

Our subsidiary in Florida is in charge of sales in the USA
Böning USA, Inc.
sales.usa@boening.com
+1 (561) 372-9894


BÖNING
SHIP AUTOMATION

MAN-High-Speed-Marine-Diesel-Engines

Spare parts supply

We have been developing and producing electronic devices and automation systems for ships since 1977. The diesel engine manufacturer MAN in Nuremberg has been one of our customers since 1997. For instance, we supply MAN with the MMDS series for monitoring, control and diagnosis of high-speed diesel engines. Up to now, more than 15,000 ships, mainly yachts and work boats, have been equipped with MAN engines, including the engine electronics developed and produced by us. Starting in 2013, we have delivered the devices under our name BÖNING. We supply spare parts as well. These parts are not only supplied by MAN, but also by direct sales to anyone who places an order with us.

The devices and accessories listed here were developed by BÖNING for monitoring and automating MAN high-speed diesel engines. The designs have been developed over a twenty-year period and are the property of BÖNING Automationstechnologie. All components are manufactured at the Ganderkesee site in Germany and delivered worldwide from here. Due to the widespread use and long service life of ships, we have set ourselves the goal of keeping the technology available at least until the year 2045 and this means ensuring the supply of spare parts.

In the following you will find our BÖNING spare parts catalogue for MAN high-speed diesel marine engines including price list and daily updated availability at the end of the catalogue.

BÖNING Project Business

Our project business mainly consists of automation systems for commercial ships and yachts. The following links lead you to our customer references and to some project examples:

www.boening.com/download/Referenzliste_EN.pdf



Project References

Please find a list of project examples under the following link:

www.boening.com/schemata/WebLink.pdf



Example Project: AHD-514 Start/Stop, Alarm and Safety System

with Emergency Stop for Diesel auxiliary engines including MAN with EDC 17

BÖNING also provides a complete solution with class compliant safety and emergency stop system for the new generation MAN auxiliary engines with EDC17, which also follows MAN's guidelines on these systems. The AHD-514 system is certified by the main classification societies (ABS, BV, CRS, DNV GL, LR, RS). The system is flexible and configurable for many engine types besides MAN with EDC17.

OPTIONAL: Bridge / 2nd Station
Display & Operation Unit
AHD 514 OP B



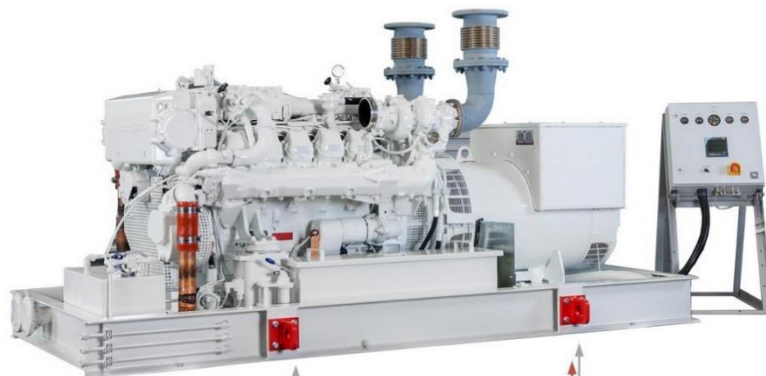
→ [Download our datasheet for AHD-514 system for MAN EDC17 auxiliary engines.](#)



Local Operation Panel
Display & Operation Unit
AHD 514 OP



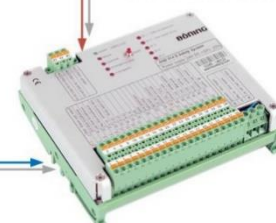
Diesel Genset



Start/Stop System for
Diesel Engines
AHD 514 A



Safety System with
Emergency Stop
for Diesel Engines
AHD 514 S



REFIT

Data Station AHD-BE1 IO CAN and Color Display to Replace BE1-IO/BE1-A

In 1996, Böning Automationstechnologie developed an alarm and safety system for a well-known German manufacturer's maritime diesel engines. It consisted of the Input and Output Unit BE1-IO and the Display Unit BE1-A. This system is known in insider circles; about 10,000 engines were equipped with it. Because these are mostly dual engine systems, approximately 5000 vessels, mostly yachts, are affected.

With the refit package AHD-BE1 IO CAN and AHD 570 we introduce here, we offer modern and elegant devices to replace the old alarm system. With current color display technology, the devices ensure an up-to-date visual appearance and provide extended and improved functionality. The Data Station AHD-BE1 IO is plug-compatible with the already installed BE1-IO CAN (e.g. stock no. 51.27720-7003).

As an extension to the existing inputs and outputs, four additional input channels are provided:

- 2 x 4-20 mA, (e.g. for tank contents measuring) or for measuring resistances 0-200 Ω or as binary inputs (Set with jumpers and in the configuration), and
- 2 x NiCrNi for measuring exhaust gas temperatures.

Data are transferred to two displays (bridge and possibly flybridge) on a CAN bus. Currently the color display AHD 570 is used for displaying the engine data and alarms. The display is intended to replace the device BE1-A (e.g. stock no. 51.27720-6023 or 51.27720-6020). All BE1-A device variants are available on request. The color display is designed for use on the bridge and outdoor use on the flybridge. Modern display technology ensures a brilliant presentation.

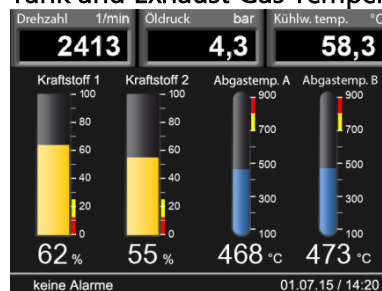
Main Page



Alarm Page

Revolution 1/min	Oil press. bar	Coolant temp. °C
2413	1,2	58,3
Alarms		
Lube Oil Pressure		Date / Time
		23.06.09 / 12:52
1/1 1 Alarm (s) active		23.06.09 / 13:36

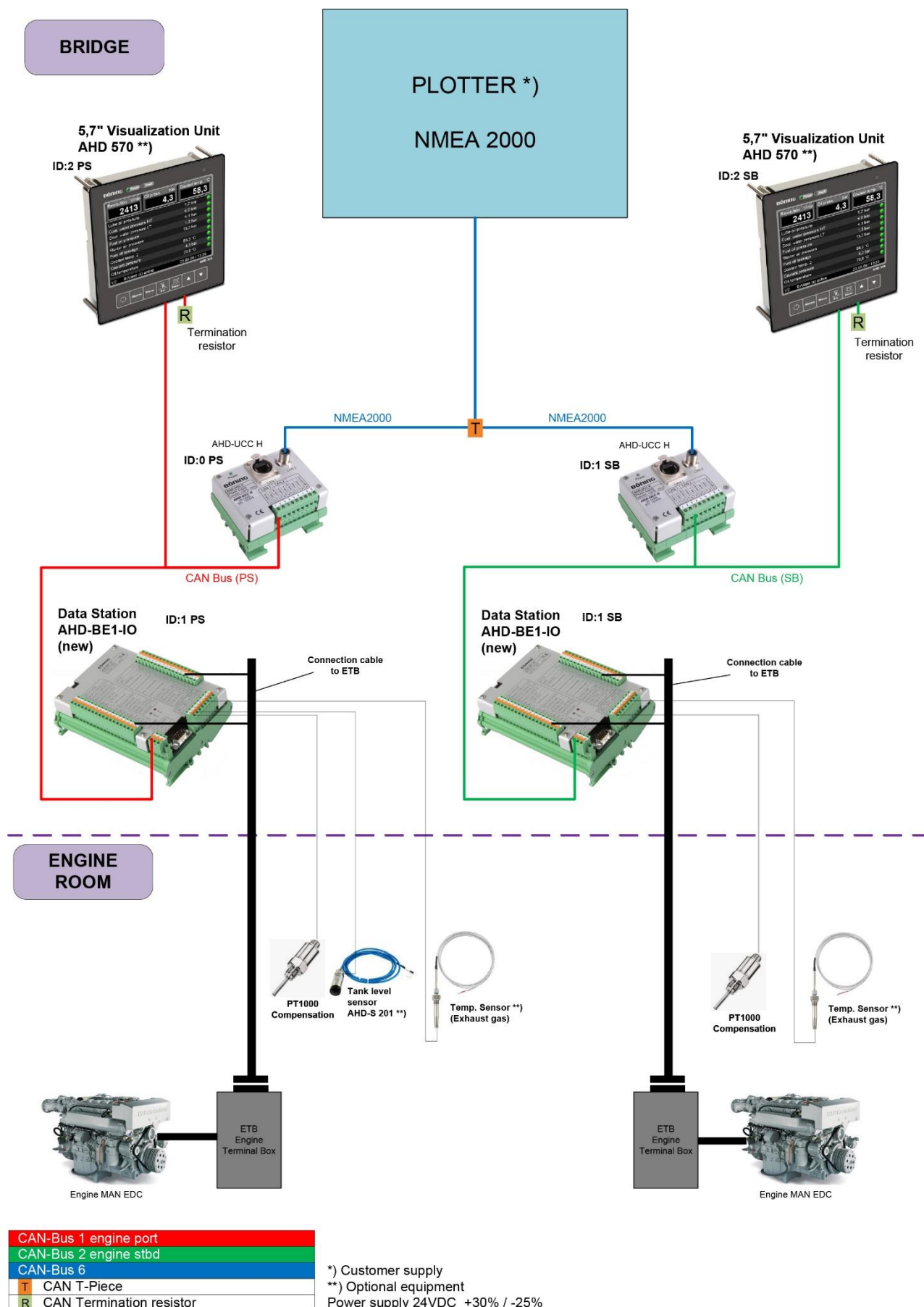
Tank and Exhaust Gas Temperature Page



Configuration Page

Configuration		
Adjust clock	14:08	24h
Date	23.06.2009	
Language	English	
Units	metric (°C, bar, l/h)	
Min. brightness	* 10 %	
Diagnosis page	call page	
Limit values	call page	

System Schematic



Our services

- Delivery of new parts
- Retrofitting
- Repairs / overhauled exchange parts (if available)
- Customized projects
- Adaptation of the devices to customer requirements

Terms of delivery

- Prices and availability according to the table at the end of this catalogue
- Pricing: EXW Boca Raton/ Florida, sales tax and shipping not included
- Warranty: 24 months after delivery

The general terms and conditions apply, which can be viewed at www.boening.com

[Click here](#) for a short company video and an introduction to our company
(Internet connection required).



Contact / Support

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Böning USA, Inc.

sales.usa@boening.com

Phone: +1 (561) 372-9894

Who We Are

- A family property company group founded in 1977
- Based in Ganderkesee close to Bremen in Germany
- Subsidiaries in Brazil, Italy, Croatia, Spain, United States
- Over 100 employees (17% Development Engineers)

Administration



Engineering

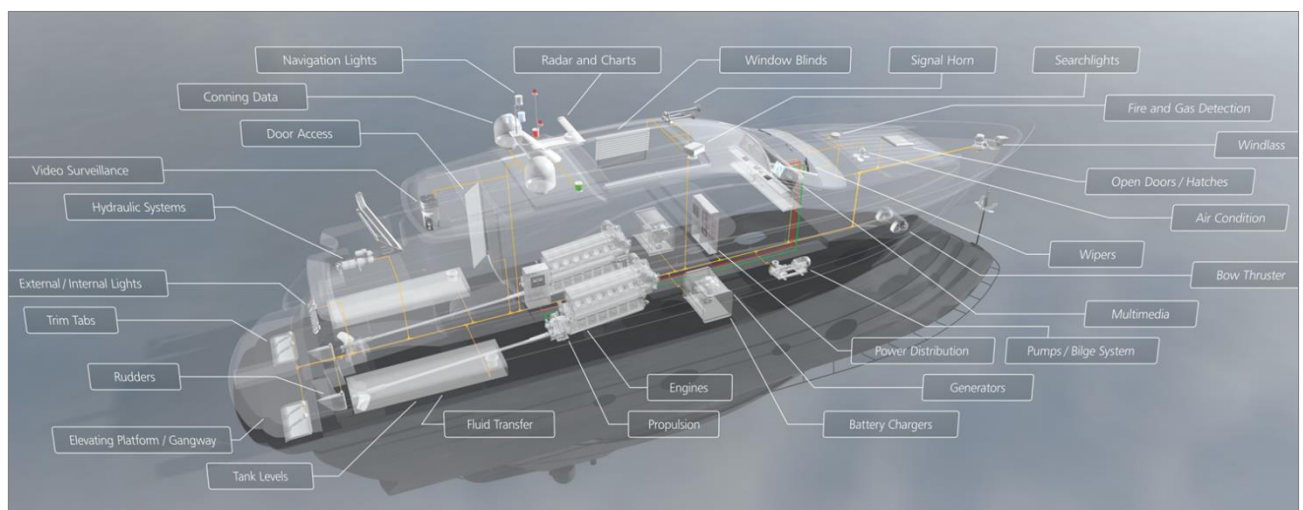


Production



What We Do

- Development and production of devices and systems for monitoring and control of ship systems.



In-House Production

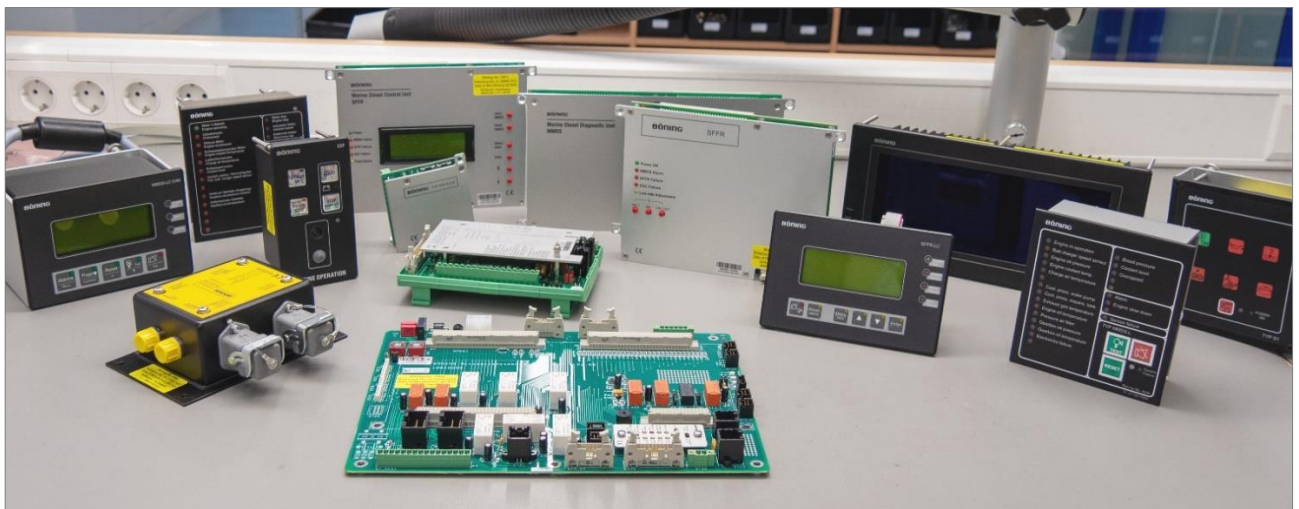
SMD Production Line

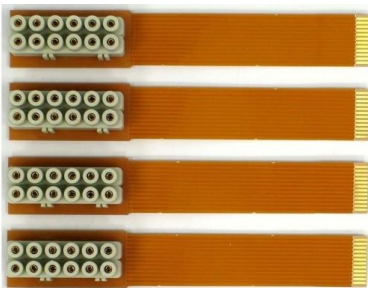
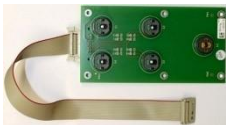
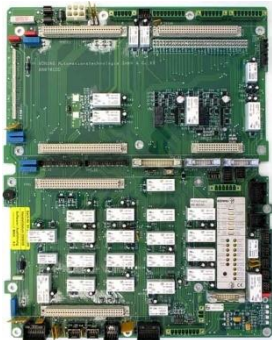
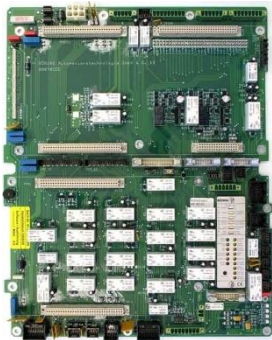


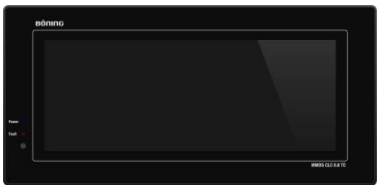
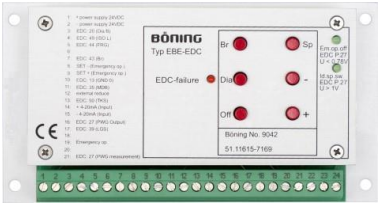
Parts Placement and Assembly



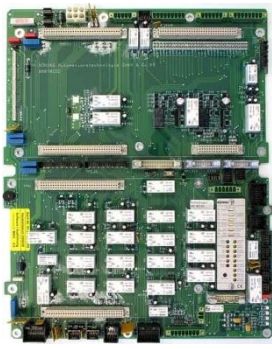
Devices

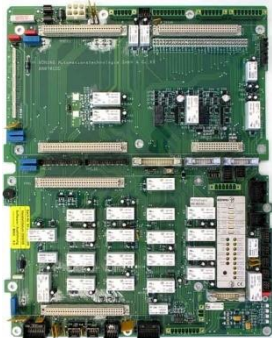
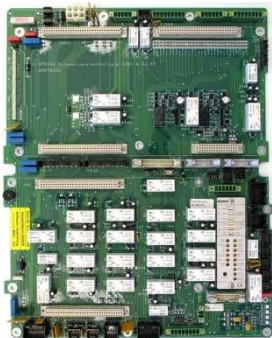
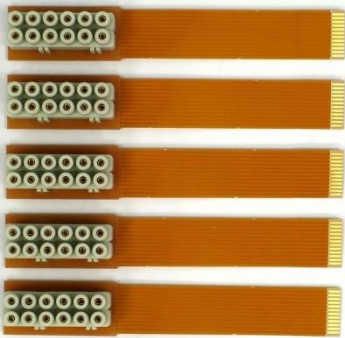
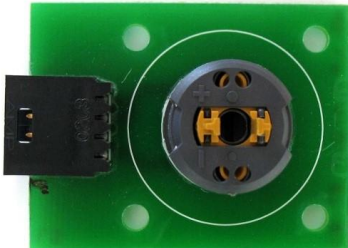


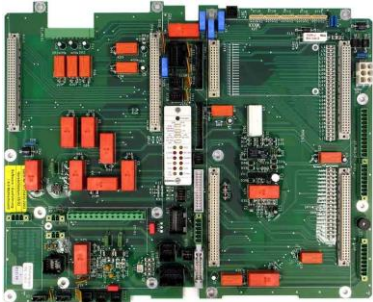
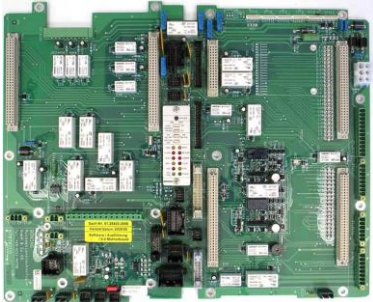
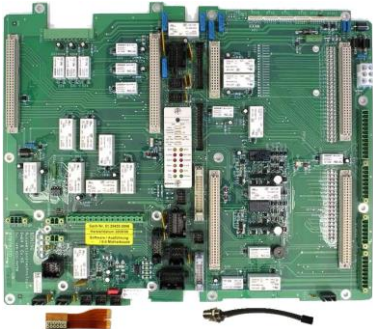
Item No.	Item View	Description
Böning No. 13639BS Reference No. 50.25430-0000		Set 4xFoil Cable VMKK-SU
Böning No. 13355BS Reference No. 50.25430-0001		VMRT5 Buttons SU
Böning No. 13796BS Reference No. 50.25430-0003 no longer available replaced by Böning No. 17964BS 50.25430-0003		VMKK Motherboard, Yacht
Böning No. 17964BS Reference No. 50.25430-0003		VMKK Motherboard, Yacht

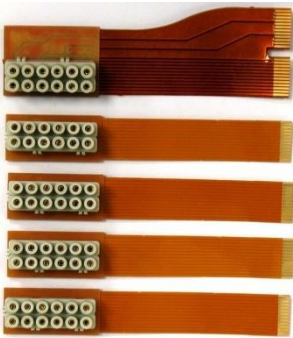
Item No.	Item View	Description
Böning No. 13357BS Reference No. 50.27720-7000		VL-OP
Böning No. 13839BS Reference No. 50.27721-7000		MMDS-CR V2.22A D2848LE423
Böning No. 11716BS Reference No. 50.27721-7001		VMMDS-CLC 8.8 TC
Böning No. 16344 Reference No.		Display Cover for CLC 8.8
Böning No. 9037BS Reference No. 51.11615-7141		BE-EDC
Böning No. 9042BS Reference No. 51.11615-7169		EBE-EDC 24VDC V2.1

Item No.	Item View	Description
Böning No. 9044BS Reference No. 51.11615-7243		EBE-EDC 24VDC V3.1 D28
Böning No. 4724BS Reference No. 51.11615-7269		EBE-EDC 24VDC V3.1 D08
Böning No. 4763BS Reference No. 51.11615-7285		EBE-EDC 12VDC V3.1 D28
Böning No. 2227BS Reference No. 51.11615-7324		EBE-EDC 12VDC V3.1 D08
Böning No. 9054BS Reference No. 51.25411-0031		Connection Cable MMDS- DK<->MKK

Item No.	Item View	Description
Böning No. 9035BS Reference No. 51.25430-0005		BE1-IO Terminal Block 18-35
Böning No. 9034BS Reference No. 51.25430-0006		BE1-IO Terminal Block 1-17
Böning No. 10698BS Reference No. 51.25430-0009 no longer available replaced by Böning No. 17964BS 50.25430-0003		VMKK Motherboard, Yacht
Böning No. 10805BS Reference No. 51.25430-0010		VMRT3 Buttons
Böning No. 11430BS Reference No. 51.25430-0011		MRT5 Buttons

Item No.	Item View	Description
Böning No. 12884BS Reference No. 51.25430-0012 no longer available replaced by Böning No. 17963BS 51.25430-0012		VMKK Motherboard, Class.
Böning No. 17963BS Reference No. 51.25430-0012		VMKK Motherboard, Class.
Böning No. 11880BS Reference No. 51.25430-0013		VMKK Motherboard-SU
Böning No. 2333BS Reference No. 51.25430-2001		Set 5xFoil Cable MKK
Böning No. 2533BS Reference No. 51.25430-2002		MRT1 Emergency Stop Button

Item No.	Item View	Description
Böning No. 2363BS Reference No. 51.25430-2003 no longer available replaced by Böning No. 21310BS 51.25430-2006		MKK Motherboard, Rev.4, 24V
Böning No. 10126BS Reference No. 51.25430-2005		MKK Motherboard, Rev.7, 12V
Böning No. 10102BS Reference No. 51.25430-2006		MKK Motherboard, Rev.7, 24V
Böning No. 21310BS Reference No. 51.25430-2006		MKK Motherb., Rev.7, 24V Kit

Item No.	Item View	Description
Böning No. 10137BS Reference No. 51.25430-2007		Set 5xFoil Cable MKK Rev.6/7
Böning No. 10335BS Reference No. 51.25430-2008		Foil Cable MKK
Böning No. 10336BS Reference No. 51.25430-2009		Foil Cable (Y-Type) MKK
Böning No. 10078BS Reference No. 51.25430-2010		MRT3 Buttons
Böning No. 11746BS Reference No. 51.25432-0083		EOP Terminator
Böning No. 5007BS Reference No. 51.25435-0157		MMDS Terminal Block, 71-80
Böning No. 5008BS Reference No. 51.25435-0158		MMDS Terminal Block, 21-34

Item No.	Item View	Description
Böning No. 5009BS Reference No. 51.25435-0159		MMDS Terminal Block, 35-52
Böning No. 5010BS Reference No. 51.25435-0160		MMDS Terminal Block, 1-20
Böning No. 5011BS Reference No. 51.25435-0161		MMDS Terminal Block, 81-104
Böning No. 5012BS Reference No. 51.25435-0162		MMDS Terminal Block, 53-70
Böning No. 5013BS Reference No. 51.25435-0163		EBE-EDC Terminal Block, 1-24
Böning No. 5014BS Reference No. 51.25435-0164		EM-R Terminal Block, 1-14
Böning No. 9036BS Reference No. 51.25449-0015		Ribbon Cable BE1-A<->BE1-IO

Item No.	Item View	Description
Böning No. 9050BS Reference No. 51.25449-0042		Connection Cable MMDS<->PC
Böning No. 9053BS Reference No. 51.25449-6029		Connection Cable MMDS-LC/DK-PC
Böning No. 4885BS Reference No. 51.25805-7000		SFFR without internal display
Böning No. 2551BS Reference No. 51.25805-7001		SFFR with internal display
Böning No. 2705BS Reference No. 51.25805-7002		SFFR with internal display

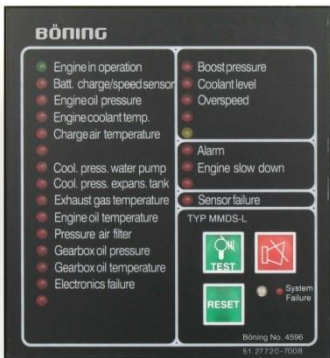
Item No.	Item View	Description
Böning No. 2950BS Reference No. 51.25805-7004		SFFR with internal display
Böning No. 10182BS Reference No. 51.25805-7005		SFFR with internal display
Böning No. 10816BS Reference No. 51.25805-7007		VSFFR with internal display
Böning No. 12673BS Reference No. 51.25805-7012		VSFFR with internal display
Böning No. 10872BS Reference No. 51.25805-7013		VSFFR without internal display

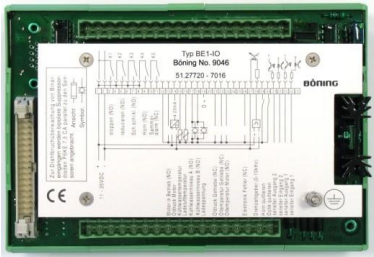
Item No.	Item View	Description
Böning No. 13356BS Reference No. 51.25805-7014		VSFFR with int. display,Class.
Böning No. 10699BS Reference No. 51.25806-7001		VMDS, Yacht
Böning No. 12515BS Reference No. 51.25806-7002		VMDS, Yacht
Böning No. 13359BS Reference No. 51.25806-7003		VMDS, Class.
Böning No. 11610BS Reference No. 51.25806-7004		VMDS-SU
Böning No. 18093BS Reference No. 51.25806-7006		VMDS-SU

Item No.	Item View	Description
Böning No. 2567BS Reference No. 51.27700-7000		MDCP
Böning No. 11759V02BS Reference No. 51.27720-0036		EOP Double Key Plastic
Böning No. 9001BS Reference No. 51.27720-6004		BE1-A Master
Böning No. 9011BS Reference No. 51.27720-6005		BE1-A Slave

Item No.	Item View	Description
Böning No. 9018BS Reference No. 51.27720-6020		BE1-A Slave
Böning No. 9009BS Reference No. 51.27720-6023		BE1-A Master
Böning No. 9045BS Reference No. 51.27720-6024		BE1-A Master
Böning No. 9047BS Reference No. 51.27720-6025		BE1-A Slave

Item No.	Item View	Description
Böning No. 9029BS Reference No. 51.27720-7002		BE1-IO Input-/ Output Unit
Böning No. 9030BS Reference No. 51.27720-7003		BE1-IO Input-/ Output Unit
Böning No. 4612BS Reference No. 51.27720-7006		MMDS-DA D/A-Converter
Böning No. 4589BS Reference No. 51.27720-7007		MMDS-SD Serial Distributor

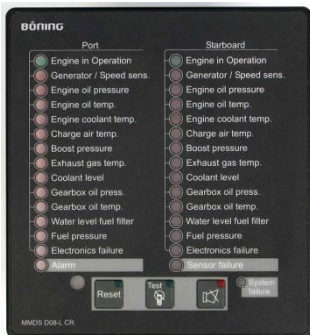
Item No.	Item View	Description
Böning No. 4596BS Reference No. 51.27720-7008		MMDS-L
Böning No. 4074BS Reference No. 51.27720-7012		EM-C Emergency Operation
Böning No. 4623BS Reference No. 51.27720-7013		EM-R Emergency Operation 24V
Böning No. 4184BS Reference No. 51.27720-7015 no longer available replaced by Böning No. 4932BS 51.27720-7028		MMDS-LC

Item No.	Item View	Description
Böning No. 9046BS Reference No. 51.27720-7016		BE1-IO Input-/ Output Unit
Böning No. 9043BS Reference No. 51.27720-7017		MMDS-DK Data Concentrator
Böning No. 4181BS Reference No. 51.27720-7018		MMDS-EP Engine Room Panel
Böning No. 4723BS Reference No. 51.27720-7019		MMDS-D08 L
Böning No. 4768BS Reference No. 51.27720-7020		MMDS-DC12

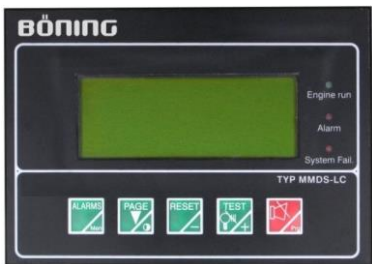
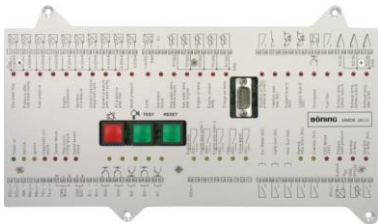
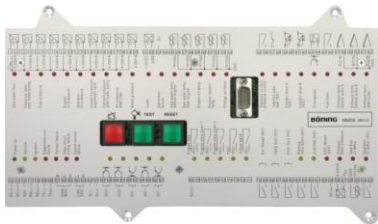
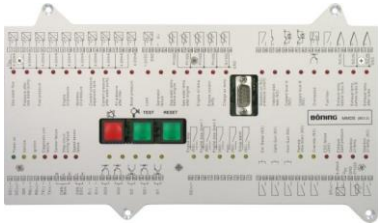
Item No.	Item View	Description
Böning No. 4868BS Reference No. 51.27720-7021		EM-R Emergency Operation, 12V
Böning No. 4789BS Reference No. 51.27720-7022 no longer available replaced by Böning No. 4932BS 51.27720-7028		MMDS-LC Version 2.5
Böning No. 4796BS Reference No. 51.27720-7023		MMDS-EP Engine Room Panel
Böning No. 4900BS Reference No. 51.27720-7025		MMDS-CLCB 6.3

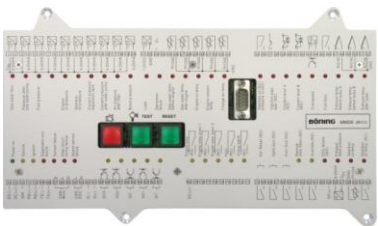
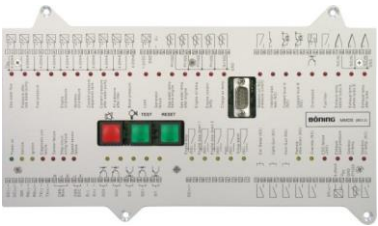
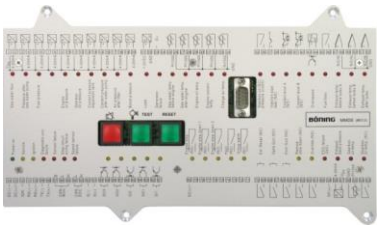
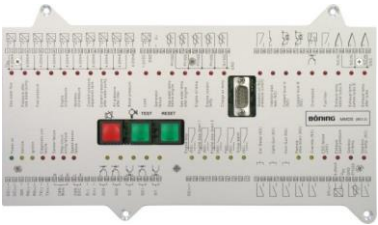
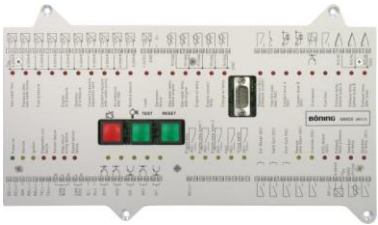
Item No.	Item View	Description
Böning No. 5024BS Reference No. 51.27720-7027	 A metal electronic module with a green terminal block and a yellow label. The label contains the following text: "BÖNING TYP MMDS-DC12", "Tach-Nr. 51.27720-7027", "Herstelldatum 03/06", and "Software / Ausführung MMDS DC 12".	MMDS-DC12
Böning No. 4932BS Reference No. 51.27720-7028	 A black electronic module with a green LCD screen and several status LEDs. The screen displays "Böning No. 4932" and "51.27720-7028". The LEDs are labeled "Engine run", "Alarm", and "System Fail". Below the screen are five buttons: "JUMP", "PAGE", "RESET", "TEST", and a red button. The text "TYP MMDS-LC" is visible on the right side.	MMDS-LC Version 2.61
Böning No. 4933BS Reference No. 51.27720-7029	 A black electronic module with a green LCD screen and a yellow emergency stop button. The screen displays "Böning No. 4933" and "51.27720-7029". The text "TYP MMDS-EP" is visible on the right side.	MMDS-EP Engine Room Panel
Böning No. 2365BS Reference No. 51.27720-7030	 A black electronic module with a green LCD screen and several buttons. The screen displays "Böning No. 2365" and "51.27720-7030". The buttons are labeled "Reset", "Menu", "Up", "Down", and "Enter". The text "SFFR-LC" is visible on the right side.	SFFR-LC

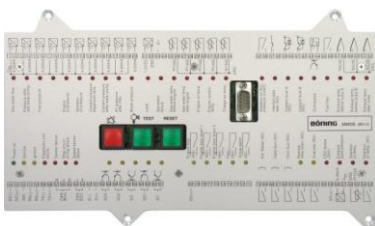
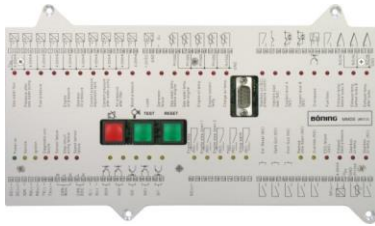
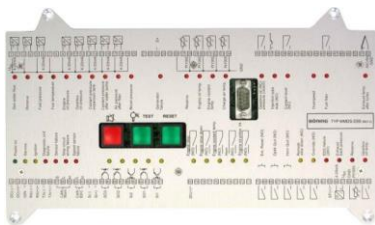
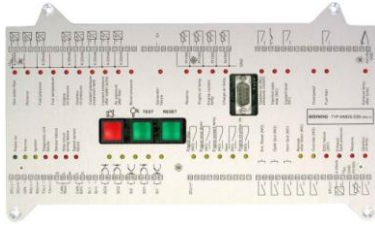
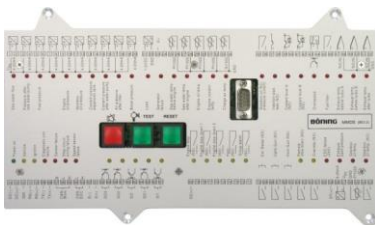
Item No.	Item View	Description
Böning No. 12893BS Reference No. 51.27720-7033		Control Stand Display, Class.
Böning No. 2530BS Reference No. 51.27720-7034		EM-R CR, 24V
Böning No. 2750BS Reference No. 51.27720-7035		EM-C Emergency Operation CR
Böning No. 4717BS Reference No. 51.27720-7036		S1 Engine Monitoring

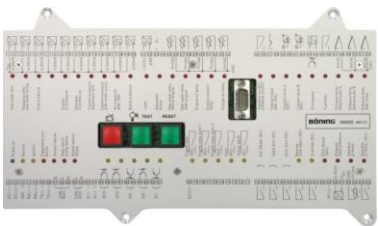
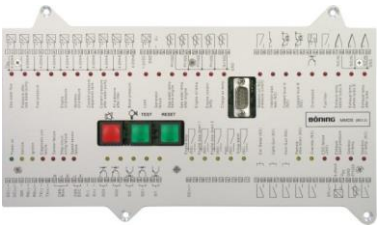
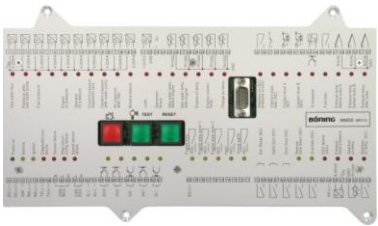
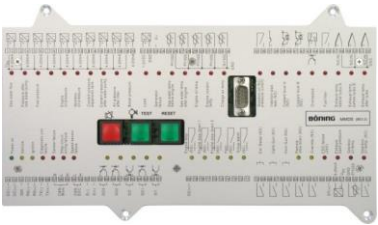
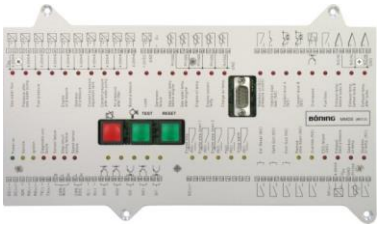
Item No.	Item View	Description
Böning No. 10152BS Reference No. 51.27720-7038		MMDS D08-L CR
Böning No. 11428BS Reference No. 51.27720-7039		VSFFR-LC
Böning No. 11407BS Reference No. 51.27720-7040		VEM-OP Emergency Operation
Böning No. 12560BS Reference No. 51.27720-7041		VMMDS-CLC R

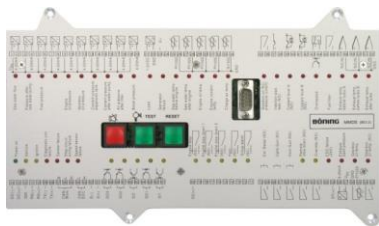
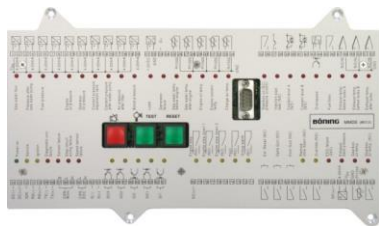
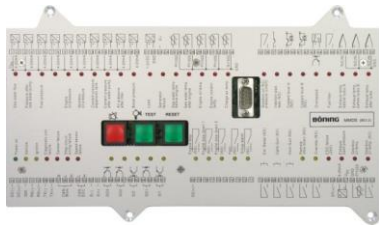
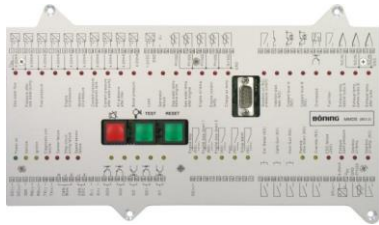
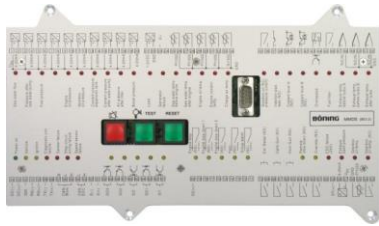
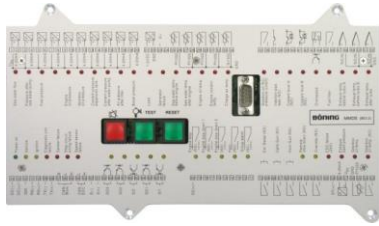
Item No.	Item View	Description
Böning No. 12216BS Reference No. 51.27720-7042	 The image shows a vertical black control panel labeled 'Böning EOP'. It features four buttons: 'Ignition' (top left), 'START' (top right), 'Emerg. STOP' (bottom left), and 'STOP' (bottom right). Below the buttons is a small circular indicator light. At the bottom, it says 'ENGINE OPERATION'.	VMMDS-EOP
Böning No. 12221BS Reference No. 51.27720-7043	 The image shows a vertical black control panel labeled 'Böning EOP-D'. It features eight buttons arranged in two columns: 'Ignition' and 'START' on the left, and 'Ignition' and 'START' on the right. Below these are 'STOP' and 'Emerg. STOP' buttons. At the bottom, it says 'ENGINE OPERATION'.	VMMDS-DEOP
Böning No. 10930BS Reference No. 51.27720-7044	 The image shows a yellow rectangular module labeled 'Böning TYP MMDS SDC-R'. It has several terminals and connectors on the bottom edge.	MMDS SDC-R
Böning No. 11611BS Reference No. 51.27720-7045	 The image shows a black rectangular control unit labeled 'Böning MMDS-SU-LC'. It features a green LCD screen in the center. Below the screen are several buttons: 'Reset', 'Menu', 'Back', 'Enter', and 'Exit'. To the right of the screen, there are three indicator lights labeled 'Engine Run', 'SU Alarm', and 'Fault'. At the bottom, it says 'Safety Unit' and 'MMDS-SU-LC'.	VMMDS-SU-LC
Böning No. 15326BS Reference No. 51.27720-7046	 The image shows a white rectangular module labeled 'Böning TYP Em-R'. It has a terminal block with 14 pins. The pins are labeled: 1 (power supply 24VDC), 2 (power supply 24VDC), 3 (relay control system), 4 (relay emergency stop), 5 (relay gaslock ahead), 6 (relay gaslock ahead), 7 (relay gaslock ahead), 8 (SET -), 9 (SET +), 10 (relay control ahead), 11 (ZDR1 (EDC K1 23)), 12 (ZDR2 (EDC K1 41)), 13 (signal input), 14 (signal input). At the bottom, it says 'Software / Ausführung 2001.01.15/Em-R 2.21'.	EM-R, Class., 24V

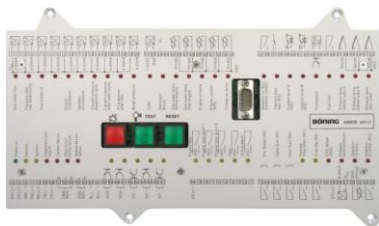
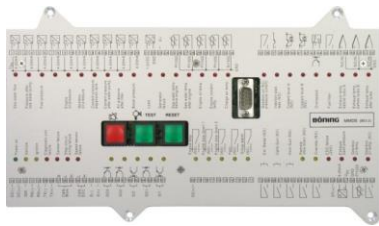
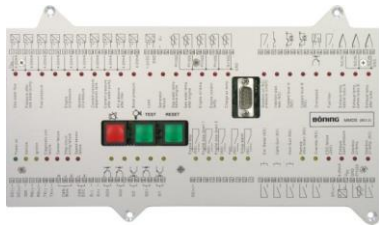
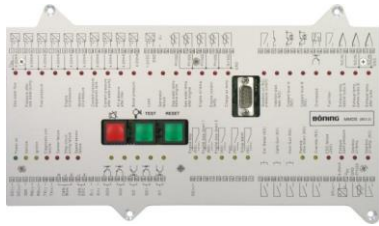
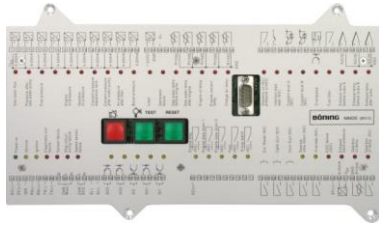
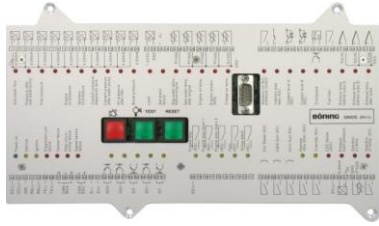
Item No.	Item View	Description
Böning No. 15159BS Reference No. 51.27720-7047		MMDS-LC Dimm
Böning No. 15057BS Reference No. 51.27720-7048		AHD-EBP
Böning No. 4617BS Reference No. 51.27721-7001 no longer available replaced by Böning No. 21174BS 51.27721-7001		MMDS-D28 V2.1A D2876LE401
Böning No. 21174BS Reference No. 51.27721-7001		MMDS-D28 V2.3A-SP D2876LE401
Böning No. 4618BS Reference No. 51.27721-7002 no longer available replaced by Böning No. 21175BS 51.27721-7002		MMDS-D28 V2.1B D2840LE403

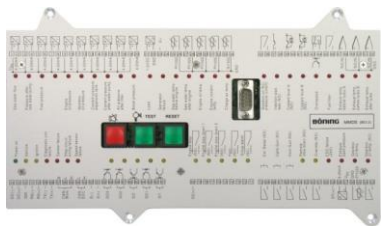
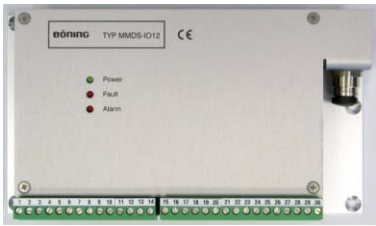
Item No.	Item View	Description
Böning No. 21175BS Reference No. 51.27721-7002		MMDS-D28 V2.3B-SP D2840LE403
Böning No. 4619BS Reference No. 51.27721-7003 no longer available replaced by Böning No. 21176BS 51.27721-7003		MMDS-D28 V2.1C D2842LE404
Böning No. 21176BS Reference No. 51.27721-7003		MMDS-D28 V2.3C-SP D2842LE404
Böning No. 4745BS Reference No. 51.27721-7005 no longer available replaced by Böning No. 21169BS 51.27721-7005		MMDS-D28 V2.1E D2842LE410/415
Böning No. 21169BS Reference No. 51.27721-7005		MMDS-D28 V2.3E-SP D2842LE41x

Item No.	Item View	Description
Böning No. 4758BS Reference No. 51.27721-7006 no longer available replaced by Böning No. 21170BS 51.27721-7006		MMDS-D28 V2.23K D2842LE409
Böning No. 21170BS Reference No. 51.27721-7006		MMDS-D28 V2.3K2-SP D2842LE409
Böning No. 4721BS Reference No. 51.27721-7007 no longer available replaced by Böning No. 21177BS 51.27721-7007		MMDS-D08 V2.25M4 D0836LE401
Böning No. 21177BS Reference No. 51.27721-7007		MMDS-D08 V2.37M-SP D0836LE401
Böning No. 4744BS Reference No. 51.27721-7008 no longer available replaced by Böning No. 21178BS 51.27721-7008		MMDS-D28 V2.1G D2876LE404

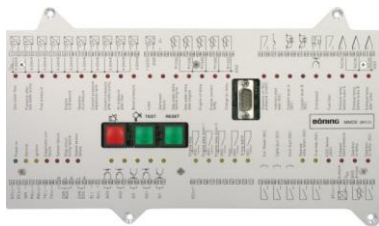
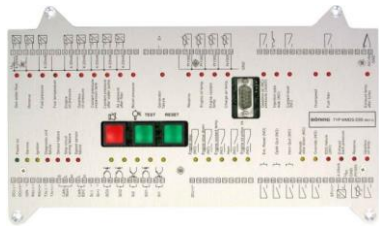
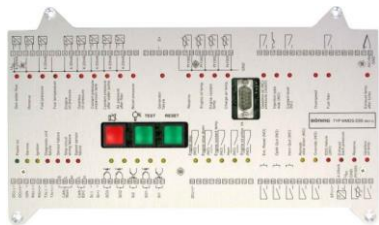
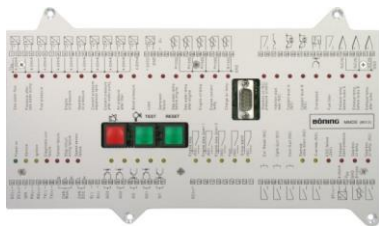
Item No.	Item View	Description
Böning No. 21178BS Reference No. 51.27721-7008		MMDS-D28 V2.3G-SP D2876LE404
Böning No. 4761BS Reference No. 51.27721-7010 no longer available replaced by Böning No. 21171BS 51.27721-7010		MMDS-D28 V2.15I D2848LE403
Böning No. 21171BS Reference No. 51.27721-7010		MMDS-D28 V2.3I-SP D2848LE403
Böning No. 4762BS Reference No. 51.27721-7011 no longer available replaced by Böning No. 21172BS 51.27721-7011		MMDS-D28 V2.16L D2876LE401,12V
Böning No. 21172BS Reference No. 51.27721-7011		MMDS-D28 V2.3L-SP D2876LE401

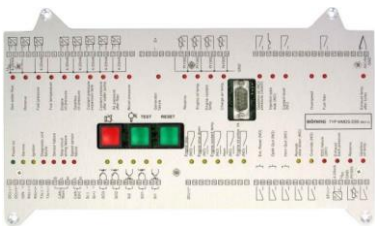
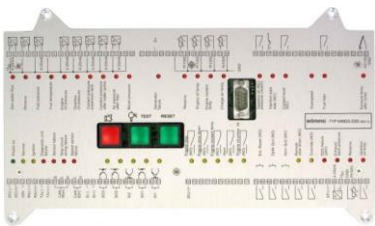
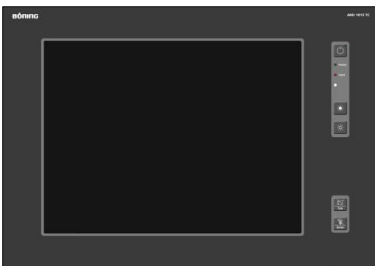
Item No.	Item View	Description
Böning No. 4774BS Reference No. 51.27721-7012 no longer available replaced by Böning No. 21173BS 51.27721-7012		MMDS-D28 V2.16N D2842LE417
Böning No. 21173BS Reference No. 51.27721-7012		MMDS-D28 V2.3N-SP D2842LE417
Böning No. 7114BS Reference No. 51.27721-7014		MMDS-D28 V2.3A D2876LE401
Böning No. 7115BS Reference No. 51.27721-7015		MMDS-D28 V2.3L D2876LE401,12V
Böning No. 7116BS Reference No. 51.27721-7016		MMDS-D28 V2.3G D2876LE404
Böning No. 7117BS Reference No. 51.27721-7017		MMDS-D28 V2.3I D2848LE403

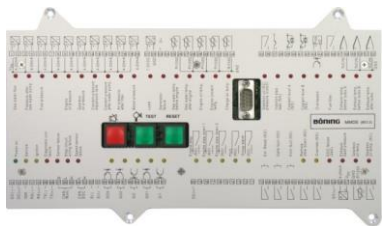
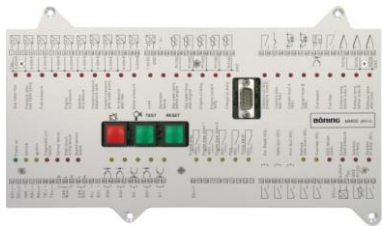
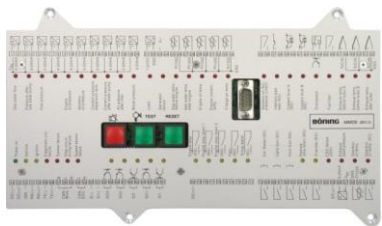
Item No.	Item View	Description
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Böning No. 7120BS Reference No. 51.27721-7020		MMDS-D28 V2.3C D2842LE404
Böning No. 7121BS Reference No. 51.27721-7021		MMDS-D28 V2.3E D2842LE410/415
Böning No. 7122BS Reference No. 51.27721-7022		MMDS-D28 V2.3K D2842LE409
Böning No. 7124BS Reference No. 51.27721-7024		MMDS-D28 V2.3N D2842LE417
Böning No. 7126BS Reference No. 51.27721-7026		MMDS-D28 V2.36Q D2842LE407

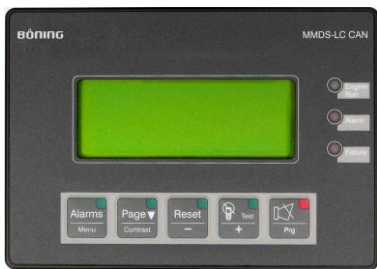
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Böning No. 7127BS Reference No. 51.27721-7027		MMDS-D28 V2.36P D2876LE402
Böning No. 5048BS Reference No. 51.27721-7028		MMDS-IO12 Riva 44
Böning No. 5026BS Reference No. 51.27721-7029 no longer available replaced by Böning No. 16938V02BS 51.27721-7155		MMDS-CLC 6.3 EDC Ferretti
Böning No. 4920BS Reference No. 51.27721-7030 no longer available replaced by Böning No. 16938V02BS 51.27721-7155		MMDS-CLC 6.3 EDC Riva 44
Böning No. 5027BS Reference No. 51.27721-7031 no longer available replaced by Böning No. 16938V02BS 51.27721-7155		MMDS-CLC 6.3 D2876LE404

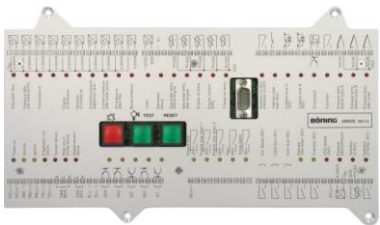
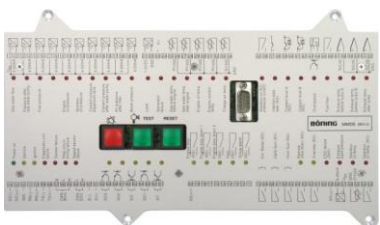
Item No.	Item View	Description
Böning No. 5028BS Reference No. 51.27721-7032 no longer available replaced by Böning No. 16938V02BS 51.27721-7155		MMDS-CLC 6.3 D2848LE403
Böning No. 5029BS Reference No. 51.27721-7033 no longer available replaced by Böning No. 16938V02BS 51.27721-7155		MMDS-CLC 6.3 D2840LE403
Böning No. 5030BS Reference No. 51.27721-7034 no longer available replaced by Böning No. 16938V02BS 51.27721-7155		MMDS-CLC 6.3 D2840LE409
Böning No. 5031BS Reference No. 51.27721-7035 no longer available replaced by Böning No. 16938V02BS 51.27721-7155		MMDS-CLC 6.3 D2842LE404
Böning No. 5032BS Reference No. 51.27721-7036 no longer available replaced by Böning No. 16938V02BS 51.27721-7155		MMDS-CLC 6.3 D2842LE407

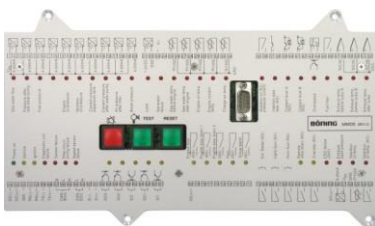
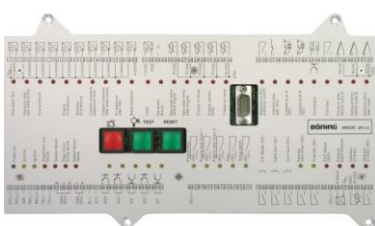
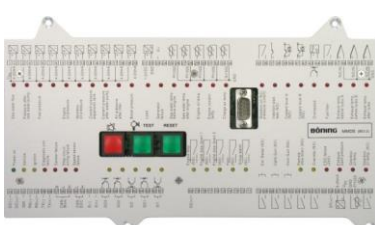
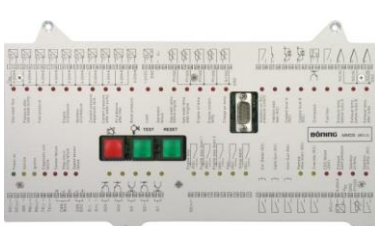
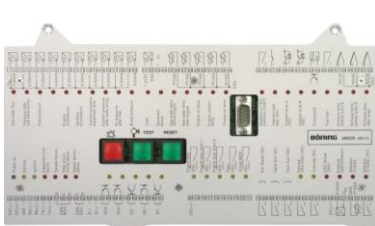
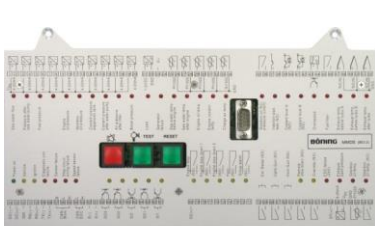
Item No.	Item View	Description
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Böning No. 7138BS Reference No. 51.27721-7038		MMDS-D08 V2.36O D0836LE401,12V
Böning No. 7139BS Reference No. 51.27721-7039		MMDS-D08 V2.37M D0836LE401
Böning No. 7141BS Reference No. 51.27721-7041		MMDS-D28 V2.36F1 D2842LE410
Böning No. 2362BS Reference No. 51.27721-7042		MMDS-CR V1.80A D2848LE423
Böning No. 2367BS Reference No. 51.27721-7043 no longer available replaced by Böning No. 16806V02BS 51.27721-7154		MMDS-CLC 6.3 CR

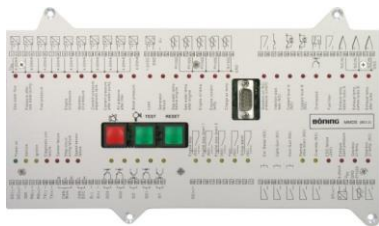
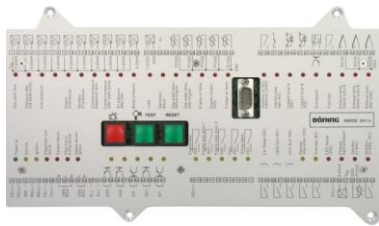
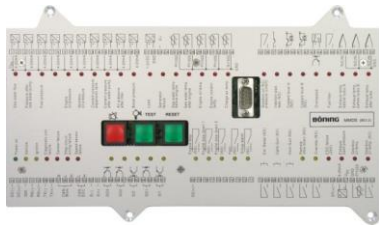
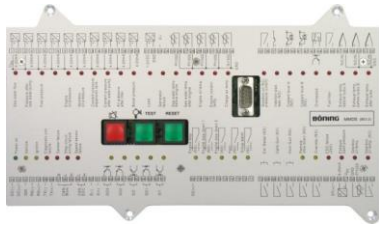
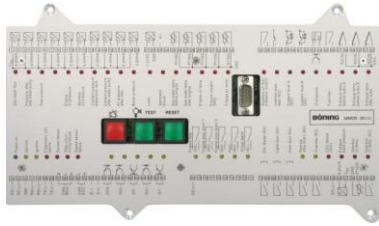
Item No.	Item View	Description
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Böning No. 7145BS Reference No. 51.27721-7045		MMDS-D08 V2.37O D0836LE401,12V
Böning No. 2302BS Reference No. 51.27721-7046 no longer available replaced by Böning No. XXXXXXX		MMDS-CMS S with 3 CAN
Böning No. 2399BS Reference No. 51.27721-7050 no longer available replaced by Böning No. 16938V02BS 51.27721-7155		MMDS-CLC 6.3 EDC
Böning No. 2598BS Reference No. 51.27721-7056		MMDS-CR V2.11B1 D2842LE433
Böning No. 7157BS Reference No. 51.27721-7057		MMDS-CR V2.11C D2842LE423

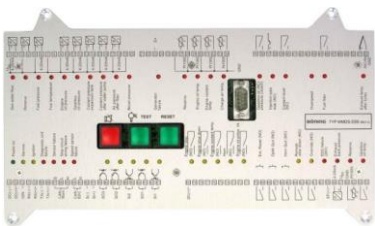
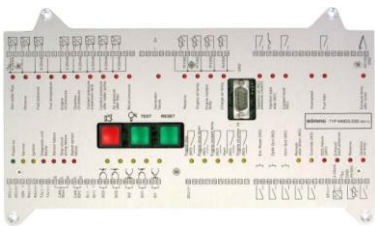
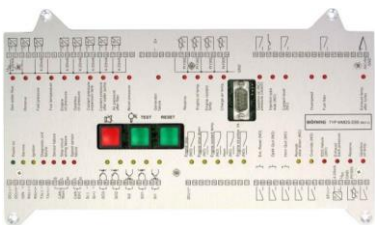
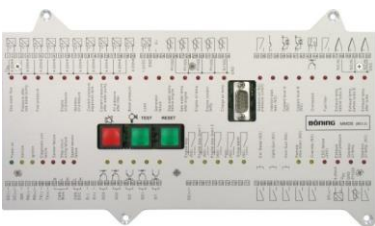
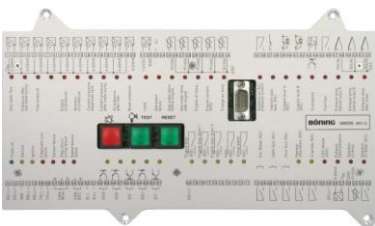
Item No.	Item View	Description
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Böning No. 7159BS Reference No. 51.27721-7059		MMDS-D28 V2.36U D2876LE405,12V
Böning No. 7160BS Reference No. 51.27721-7060		MMDS-CR V2.11D D2840LE423
Böning No. 7161BS Reference No. 51.27721-7061		MMDS-CR V2.11E1 D2876LE423
Böning No. 7162BS Reference No. 51.27721-7062		MMDS-D28 V2.3K2 D2842LE409
Böning No. 2742BS Reference No. 51.27721-7063		MMDS-CR V2.11A D2848LE423

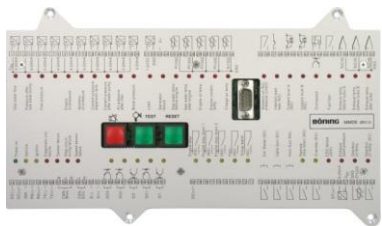
Item No.	Item View	Description
Böning No. 2858BS Reference No. 51.27721-7064		MMDS-LC CAN
Böning No. 7165BS Reference No. 51.27721-7065		MMDS-CR V2.11F D2842LE443
Böning No. 7166BS Reference No. 51.27721-7066		MMDS-CR V2.20G D2848LE422
Böning No. 2887BS Reference No. 51.27721-7067 no longer available replaced by Böning No. 16936V02BS 51.27721-7156		MMDS-CLC 6.3 CR (Portrait)
Böning No. 7168BS Reference No. 51.27721-7068		MMDS-CR V2.20E2 D2876LE423
Böning No. 7169BS Reference No. 51.27721-7069		MMDS-CR V2.20A D2848LE423

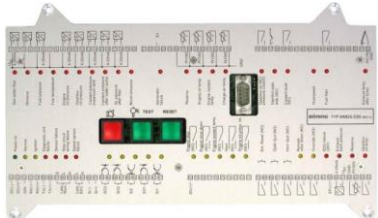
Item No.	Item View	Description
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Böning No. 7171BS Reference No. 51.27721-7071		MMDS-CR V2.20C2 D2842LE423
Böning No. 7172BS Reference No. 51.27721-7072		MMDS-CR V2.20B D2842LE433
Böning No. 7173BS Reference No. 51.27721-7073		MMDS-CR V2.20F1 D2842LE443
Böning No. 7174BS Reference No. 51.27721-7074		MMDS-D28 V2.41A D2876LE401
Böning No. 7175BS Reference No. 51.27721-7075		MMDS-D28 V2.41P D2876LE402

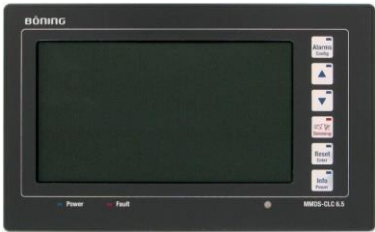
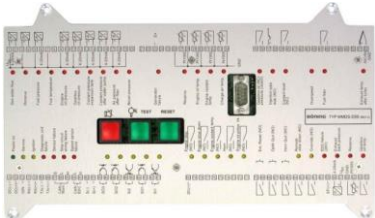
Item No.	Item View	Description
Böning No. 7176BS Reference No. 51.27721-7076		MMDS-D28 V2.41G D2876LE404
Böning No. 7177BS Reference No. 51.27721-7077		MMDS-D28 V2.41I D2848LE403
Böning No. 7178BS Reference No. 51.27721-7078		MMDS-D28 V2.41B D2840LE403
Böning No. 7179BS Reference No. 51.27721-7079		MMDS-D28 V2.41S D2840LE404
Böning No. 7180BS Reference No. 51.27721-7080		MMDS-D28 V2.41C D2842LE404
Böning No. 7181BS Reference No. 51.27721-7081		MMDS-D28 V2.41E D2842LE410/415

Item No.	Item View	Description
Böning No. 7182BS Reference No. 51.27721-7082		MMDS-D28 V2.41H D2842LE416
Böning No. 7183BS Reference No. 51.27721-7083		MMDS-D28 V2.41N2 D2842LE417
Böning No. 7185BS Reference No. 51.27721-7085		MMDS-D28 V2.41Q D2842LE407
Böning No. 7186BS Reference No. 51.27721-7086		MMDS-D28 V2.41T D2876LE405
Böning No. 7187BS Reference No. 51.27721-7087		MMDS-D28 V2.41K D2842LE409
Böning No. 2977BS Reference No. 51.27721-7088 no longer available replaced by Böning No. 16806V02BS 51.27721-7154		MMDS-CLC 6.3 Engine Disp Step2

Item No.	Item View	Description
Böning No. 7189BS Reference No. 51.27721-7089		MMDS-D08 V2.41M D0836LE401
Böning No. 7190BS Reference No. 51.27721-7090		MMDS-D08 V2.41O D0836LE401_1
Böning No. 7191BS Reference No. 51.27721-7091		MMDS-D08 V2.41R D0836LE402
Böning No. 7192BS Reference No. 51.27721-7092		MMDS-D28 V2.41L D2842LE409,12V
Böning No. 7193BS Reference No. 51.27721-7093		MMDS-D28 V2.41U D2876LE405
Böning No. 7194BS Reference No. 51.27721-7094		MMDS-CR V2.20M D2848LE423

Item No.	Item View	Description
Böning No. 7195BS Reference No. 51.27721-7095		MMDS-D28 V2.41V D2842LE418
Böning No. 7196BS Reference No. 51.27721-7096		MMDS-CR V2.20K2 D0836LE423
Böning No. 7198BS Reference No. 51.27721-7098		MMDS-CR V2.20H D2876LE423, 12V
Böning No. 7199BS Reference No. 51.27721-7099		MMDS-CR V2.20J D2876LE433
Böning No. 10405BS Reference No. 51.27721-7101 no longer available replaced by Böning No. 16806V02BS 51.27721-7154		MMDS-CLC 6.3 CR / Step0
Böning No. 10406BS Reference No. 51.27721-7102 no longer available replaced by Böning No. 16938V02BS 51.27721-7155		MMDS-CLC 6.3 EDC

Item No.	Item View	Description
Böning No. 10407BS Reference No. 51.27721-7103 no longer available replaced by Böning No. 16806V02BS 51.27721-7154		MMDS-CLC 6.3 CR Step2
Böning No. 10408BS Reference No. 51.27721-7104 no longer available replaced by Böning No. 16936V02BS 51.27721-7156		MMDS-CLC 6.3 CR (Portrait)
Böning No. 7205BS Reference No. 51.27721-7105		MMDS-CR V2.20C3 D2842LE423
Böning No. 7206BS Reference No. 51.27721-7106		MMDS-CR V2.20N D2842LE423
Böning No. 7208BS Reference No. 51.27721-7108		MMDS-D08 V2.41W D0836LE402

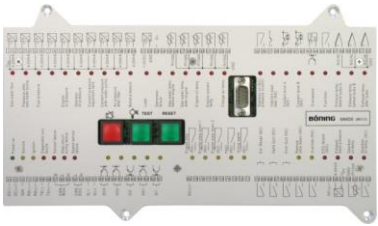
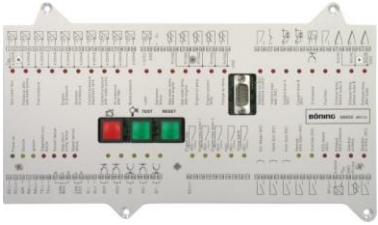
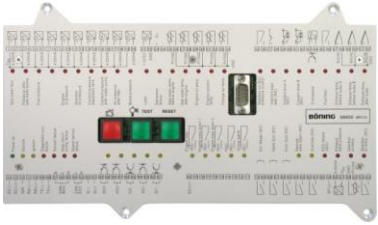
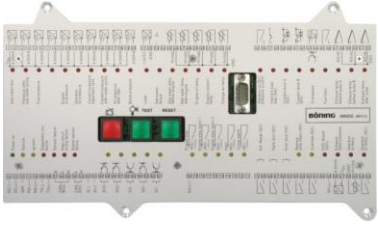
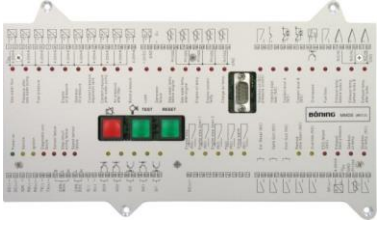
Item No.	Item View	Description
Böning No. 10871BS Reference No. 51.27721-7109 no longer available replaced by Böning No. 16658V02BS 51.27721-7153		VMMDS-CLC 6.5
Böning No. 11063BS Reference No. 51.27721-7110 no longer available replaced by Böning No. 16806V02BS 51.27721-7154		MMDS-CLC 6.3 CR / Step2
Böning No. 11073BS Reference No. 51.27721-7111 no longer available replaced by Böning No. 16938V02BS 51.27721-7155		MMDS-CLC 6.3 EDC V-Classic
Böning No. 7213BS Reference No. 51.27721-7113		MMDS-CR V2.20P D2842LE453
Böning No. 7215BS Reference No. 51.27721-7115		MMDS-D08 V2.41X D0836LE404

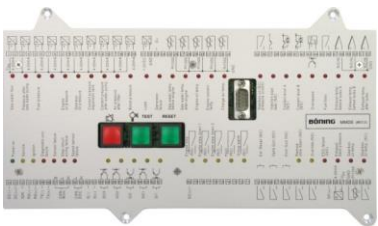
Item No.	Item View	Description
Böning No. 11353BS Reference No. 51.27721-7117 no longer available replaced by Böning No. 16806V02BS 51.27721-7154		MMDS-CLC 6.3 CR V-Classical
Böning No. 7218BS Reference No. 51.27721-7118		MMDS-CR V2.22K2 D0836LE423
Böning No. 7219BS Reference No. 51.27721-7119		MMDS-CR V2.22L D0836LE423, 12V
Böning No. 7220BS Reference No. 51.27721-7120		MMDS-CR V2.22E D2876LE423
Böning No. 7221BS Reference No. 51.27721-7121		MMDS-CR V2.22H D2876LE423, 12V
Böning No. 7222BS Reference No. 51.27721-7122		MMDS-CR V2.22J D2876LE433

Item No.	Item View	Description
Böning No. 7223BS Reference No. 51.27721-7123		MMDS-CR V2.22M D2848LE423
Böning No. 7224BS Reference No. 51.27721-7124		MMDS-CR V2.22G D2848LE422
Böning No. 7225BS Reference No. 51.27721-7125		MMDS-CR V2.22D3 D2840LE423
Böning No. 7226BS Reference No. 51.27721-7126		MMDS-CR V2.22O D2840LE422
Böning No. 7227BS Reference No. 51.27721-7127		MMDS-CR V2.22C3 D2842LE423
Böning No. 7228BS Reference No. 51.27721-7128		MMDS-CR V2.22B D2842LE433
Böning No. 7229BS Reference No. 51.27721-7129		MMDS-CR V2.22F1 D2842LE443

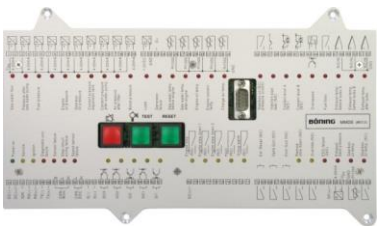
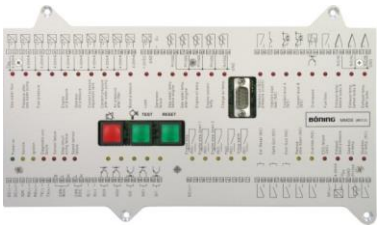
Item No.	Item View	Description
Böning No. 7230BS Reference No. 51.27721-7130		MMDS-CR V2.22N D2842LE422
Böning No. 7231BS Reference No. 51.27721-7131		MMDS-CR V2.22P D2842LE453
Böning No. 7232BS Reference No. 51.27721-7132		MMDS-CR V2.22C2 D2842LE423
Böning No. 12514BS Reference No. 51.27721-7133 no longer available replaced by Böning No. 16658V02BS 51.27721-7153		VMMSD-CLC 6.5
Böning No. 12233BS Reference No. 51.27721-7134		MMDS-AP

Item No.	Item View	Description
Böning No. 12607BS Reference No. 51.27721-7135 no longer available replaced by Böning No. 16939V02BS 51.27721-7158		VMMDS-CLC 6.5, Class.
Böning No. 12611BS Reference No. 51.27721-7136 no longer available replaced by Böning No. 16946V02BS 51.27721-7159		VMMDS-CLC 6.5, MKR Class.
Böning No. 12445BS Reference No. 51.27721-7137 no longer available replaced by Böning No. 16936V02BS 51.27721-7156		MMDS-CLC 6.3 CR (Portrait)
Böning No. 12921BS Reference No. 51.27721-7138 no longer available replaced by Böning No. 16945V02BS 51.27721-7157		VMMDS-CLC 6.5 (Portrait)

Item No.	Item View	Description
Böning No. 11956BS Reference No. 51.27721-7139		VMMDS-LC CAN
Böning No. 15538BS Reference No. 51.27721-7140		MMDS-D28 V2-41H3-CL(Nava)
Böning No. 15539BS Reference No. 51.27721-7141		MMDS-D28 V2.41F6 D2842LE410A&R
Böning No. 15540BS Reference No. 51.27721-7142		MMDS-D28 V2.41E2 D2842LE410
Böning No. 15541BS Reference No. 51.27721-7143		MMDS-D28 V2.41H2 D2842LE416
Böning No. 15542BS Reference No. 51.27721-7144		MMDS-D28 V2.41N3 D2842LE417

Item No.	Item View	Description
Böning No. 15543BS Reference No. 51.27721-7145		MMDS-D28 V2.41P1 D2876LE402
Böning No. 7246BS Reference No. 51.27721-7146		MMDS-CR V2.22R D2876LE426
Böning No. 7247BS Reference No. 51.27721-7147		MMDS-CR V2.22S D2876LE436
Böning No. 16658V02BS Reference No. 51.27721-7153		MMDS CLC6 V2
Böning No. 16806V02BS Reference No. 51.27721-7154		MMDS CLC6 V2 V-Classical
Böning No. 16938V02BS Reference No. 51.27721-7155		MMDS CLC6 V2 V-Classical EDC

Item No.	Item View	Description
Böning No. 16936V02BS Reference No. 51.27721-7156		MMDS CLC6 V2 V-Classical (Portr)
Böning No. 16945V02BS Reference No. 51.27721-7157		MMDS CLC6 V2 (Portrait)
Böning No. 16939V02BS Reference No. 51.27721-7158		MMDS CLC6 V2, Class.
Böning No. 16946V02BS Reference No. 51.27721-7159		MMDS CLC6 V2, MKR Class.
Böning No. 18051V02BS Reference No. 51.27721-7160		MMDS CLC6 V2 Twin Engines

Item No.	Item View	Description
Böning No. 21330BS Reference No. Special Version Ikegai		MMDS-D28 V2.41N4 D2842LE417
Böning No. 21331BS Reference No. Special Version Mancraft		MMDS-D28 V2.41E-LD-GOFF
Böning No. 16345 Reference No.		Display Cover for CLC 6



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