Marine Accessories

Performance you rely on.™
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Cummins Onan Marine Generators

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<th>kW (50/60 Hz)</th>
<th>Model</th>
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<td>A-1475</td>
<td>4/5 kW QD</td>
<td>MDKBH</td>
</tr>
<tr>
<td>A-1556</td>
<td>6/7.5 kW QD</td>
<td>MDKBJ</td>
</tr>
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<td>A-1476</td>
<td>7/9 kW QD</td>
<td>MDKBL</td>
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<td>A-1477</td>
<td>7/9 kW QD Space Saver</td>
<td>MDKBK</td>
</tr>
<tr>
<td>A-1576</td>
<td>8 kW QD 50 Hz</td>
<td>MDKBW</td>
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<tr>
<td>A-1478</td>
<td>9.5/11.5 kW QD</td>
<td>MDKBM</td>
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<td>A-1479</td>
<td>11/13.5 kW QD</td>
<td>MDKBN</td>
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<tr>
<td>A-1480</td>
<td>13.5/17 kW QD</td>
<td>MDKBP</td>
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<tr>
<td>A-1481</td>
<td>17.5/21.5 kW QD</td>
<td>MDKBR</td>
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<td>A-1537</td>
<td>19/23 kW QD</td>
<td>MDKBV</td>
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<tr>
<td>A-1494</td>
<td>22.5/27.5 kW QD</td>
<td>MDKBT</td>
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<td>A-1488</td>
<td>27/32 kW QD</td>
<td>MDKBU</td>
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<tr>
<td>A-1560</td>
<td>35kW QD 50 Hz</td>
<td>MDDCK</td>
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<td>A-1461</td>
<td>40 kW QD 60 Hz</td>
<td>MDDCA</td>
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<td>A-1462</td>
<td>55 kW QD 60 Hz</td>
<td>MDDCB</td>
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<td>65 kW QD 60 Hz</td>
<td>MDDCC</td>
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<td>A-1467</td>
<td>80 kW QD 60 Hz</td>
<td>MDDCD</td>
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<td>A-1468</td>
<td>99 kW QD 60 Hz</td>
<td>MDDCE</td>
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<td>A-1469</td>
<td>40 kW QD 50 Hz</td>
<td>MDDCF</td>
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<td>50 kW QD 50 Hz</td>
<td>MDDCG</td>
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<td>A-1471</td>
<td>65 kW QD 50 Hz</td>
<td>MDDCH</td>
</tr>
<tr>
<td>A-1472</td>
<td>80 kW QD 50 Hz</td>
<td>MDDCJ</td>
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</tbody>
</table>

An index by part number is located in the back of the catalog. Specifications subject to change without notice.

For a list of accessories related to obsolete models; contact your nearest distributor/dealer.
Sound Shields and Belt Guards

**PART NUMBER**

A030G027 Sound Shield  
A030G030 Sound Shield  
A030G295 Sound Shield  
A030K475 Sound Shield  
A030J441 Sound Shield  
A030J443 Sound Shield  
A030J146 Sound Shield

**Spec Sheet Description**  
Sound shield housing

**Description**  
Sound shield with insulated panels, and multiple access ports for all of the necessary connections and maintenance items including lifting eye access.

**Benefits**  
Steel panel construction with insulation for optimum noise reduction capability. Lifting eye access allows convenient handling of the set installation. The sound shield is easily added to the genset after it is installed.

**Installation**  
If the generator is equipped with a PTO it will be necessary to install the applicable PTO (refer to the PTO section) sound shield kit as well as the main sound shield kit. Models MDDCA/B/C/D/E/F/G/H/J/K may also need an exhaust elbow extension. See Parts Manual for details.

**Kit Includes**  
For models MDKBL/M/N/P/R/V/T/U: Engine end panels, roof, service and non-service side doors (all finish painted parts and decals in place), assembly hardware and instruction sheet.

For models MDDCA/B/C/D/E/F/G/H/J/K: Control and engine end panels, roof, service and non-service side doors (all finish painted parts and decals in place), assembly hardware and instruction sheet.

<table>
<thead>
<tr>
<th>Compatibility</th>
<th>Models</th>
<th>Instruction Sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>A030G027</td>
<td>MDKBL</td>
<td>G-669</td>
</tr>
<tr>
<td>A030G030</td>
<td>MDKBM/N</td>
<td>G-669</td>
</tr>
<tr>
<td>A030G295</td>
<td>MDKBP/R</td>
<td>G-669</td>
</tr>
<tr>
<td></td>
<td>MDKPV</td>
<td></td>
</tr>
<tr>
<td>A030K475</td>
<td>MDKBT/U</td>
<td>G-724</td>
</tr>
<tr>
<td>A030J441</td>
<td>MDDCA/F/K</td>
<td>G-663</td>
</tr>
<tr>
<td>A030J443</td>
<td>MDDCB/C/G</td>
<td>G-663</td>
</tr>
<tr>
<td>A030J146</td>
<td>MDDCD/E/H/J</td>
<td>G-663</td>
</tr>
</tbody>
</table>

**Instruction Sheet**  
See chart above.
PART NUMBER
0541-0590 Belt Guard
0541-1650-01 Belt Guard
0541-1650-02 Belt Guard
0541-1280-01 Belt Guard
0541-1128-01 Belt Guard

Spec Sheet Description
Not listed on spec sheet

Description
A belt guard is required when the sound shield is removed. It covers the belt and pulley at front of engine and protects the operator.

Benefits
This kit allows conversion of a set equipped with a sound shield to an unhoused version. The sound shield components removed from the set, including hardware, can be stored for future use in converting an unhoused genset to a housed set.

Installation
If the generator is equipped with a PTO it will be necessary to install the applicable PTO belt guard kit (refer to the PTO section).

Compatibility

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Models</th>
<th>Instruction Sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>0541-0590</td>
<td>MDKBL/N</td>
<td>M-108</td>
</tr>
<tr>
<td>0541-1650-01</td>
<td>MDKBP/R (negative ground)</td>
<td>M-108</td>
</tr>
<tr>
<td></td>
<td>MDKBV (negative ground)</td>
<td></td>
</tr>
<tr>
<td>0541-1650-02</td>
<td>MDKBP/R (isolated ground)</td>
<td>M-108</td>
</tr>
<tr>
<td></td>
<td>MDKBV (isolated ground)</td>
<td></td>
</tr>
<tr>
<td>0541-1280-01</td>
<td>MDKBT/U</td>
<td>G-724</td>
</tr>
<tr>
<td>0541-1128-01</td>
<td>MDDCA/B/C/D/E/F/G/H/J/K</td>
<td></td>
</tr>
<tr>
<td></td>
<td>G-669</td>
<td></td>
</tr>
</tbody>
</table>

Kit Includes
Belt guard, assembly hardware, instruction sheet.

Instruction Sheet
See chart.
Electrical System Accessories

PART NUMBER
0300-6363-03 Set-Mounted Cummins Onan Digital Display

Spec Sheet Description
Set-mounted Cummins Onan Digital Display

Description
Weather protected plastic enclosure with a graphical LCD display.

Benefits
If the display is not ordered with the genset, this kit makes it easy to add the display in the field. This display is also available for remote mounting, Remote Mounted Digital Display on page 9.

Compatibility
This kit is for use with MDKBL/M/N/P/R/V/T/U.

Installation
This kit replaces the start/stop switch panel on the control box. Up to three displays can be connected to one generator.

Kit Includes
Display assembly, mounting bracket and instruction sheet.

Instruction
C-671
PART NUMBER
0541-1195-01 SAE J1939 Network Interface Module
0541-1195-03 SAE J1939 Network Interface Module

Spec Sheet Description
SAE J-1939 CAN data link

Description
If the network interface module is not ordered with the genset, this kit makes it easy to add it in the field.

Benefits
Provides genset information on a J1939 data link for monitoring generator set status and diagnostics for engine and alternator. Transmitted data includes: AC voltage, AC frequency, coolant temperature, oil pressure, battery voltage, hours, pre-alarm and fault information.

Compatibility

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>0541-1195-01</td>
<td>MDKBH/J/W</td>
</tr>
<tr>
<td>0541-1195-03</td>
<td>MDKBK/L/M/N/P/R/V/T/U</td>
</tr>
</tbody>
</table>

Installation
Kit 0541-1195-01 mounts to the outside of the sound shield (see outline drawing for more information). A SAE J1939 capable display needs to be programmed to display genset information.

Kit Includes
Network interface module, harness, mounting hardware, and instruction sheet.

Instruction Sheet
C-679
PART NUMBER
0541-1195-02 SmartCraft Network Interface Module
0541-1195-04 SmartCraft Network Interface Module

Spec Sheet Description
SmartCraft Networked™ data link

Description
If the network interface is not ordered with the genset, this kit makes it easy to add it in the field.

Benefits
Provides genset information on a SmartCraft Networked™ data link for monitoring generator set status and diagnostics for engine and alternator. Transmitted data includes: AC voltage, AC frequency, coolant temperature, oil pressure, battery voltage, hours, pre-alarm and fault information.

Compatibility
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>0541-1195-02</td>
<td>MDK8H/J/W</td>
</tr>
<tr>
<td>0541-1195-04</td>
<td>MDK98/L/M/P/R/V/T/U</td>
</tr>
</tbody>
</table>

Installation
Kit 0541-1195-02 mounts to the outside of the sound shield (see outline drawing for more information). A SmartCraft capable display and compatible generator adaptor harness is available through Cummins MerCruiser Diesel.

Kit Includes
Network interface module, harness, mounting hardware, and instruction sheet.

Instruction Sheet
C-679
PART NUMBER
0300-5725-01 Basic Remote Panel 12 V
0300-5725-02 Basic Remote Panel 24 V
0300-5899-01 Basic Remote Panel 12 V
0300-5899-02 Basic Remote Panel 24 V

Spec Sheet Description
Basic remote panel with start/stop switch with run (green) and control status/diagnostic indicator (amber) lamps

Description
Basic remote start/stop switch panel. Plastic panel (black) with dual lamp start/stop momentary switch pre-wired to an 8-pin Deutsch sealed connector.

Benefits
This remote panel allows the operator to start or stop the generator from a convenient location, remote from the generator. The start/stop switch has built-in dual lamps: the green lamp indicates the generator is operating normally; the amber flashing lamp indicates a diagnostic code for convenient troubleshooting. Panel must be plugged into generator control with suitable extension harness.

Compatibility
These kits are for use with all QD Series generator sets. Select either 12 or 24 Vdc depending upon your genset configuration.

Kit Includes
Panel assembly with connector, two #6 x 1.0 in wood screws for mounting, instruction sheet.

Instruction Sheet
C-605
Electrical System Accessories

PART NUMBER
0300-5727-01 Deluxe Remote Panel 12 V
0300-5727-02 Deluxe Remote Panel 24 V

Spec Sheet Description
Deluxe remote panel with start/stop switch with run (green) and control status (amber) lamps and hour meter

Description
Deluxe remote start/stop switch with hour meter. Plastic panel (black) with dual lamp start/stop momentary switch and hour meter pre-wired to an 8-pin Deutsch sealed connector. Also includes an hour meter to indicate accumulated hours of operation. Refer to the hour meter on the genset control for exact hours of operation.

Benefits
A plug-and-play assembly with a start/stop switch with built-in dual lamps to indicate when the set is running: the green lamp indicates the generator is operating normally; the amber flashing lamp indicates a diagnostic code for convenient troubleshooting. Panel must be plugged into generator control with suitable extension harness. Also included is a service hour meter for ease of logging generator set operation hours. There is a hour meter in the genset-mounted control that could be logged separately to monitor service intervals if desired.

Compatibility
These kits are for use with all QD Series generator sets. Select either 12 or 24 Vdc depending upon your genset configuration.

Kit Includes
Start/stop switch, adapter harness, hour meter and panel assembly, mounting wood screws (#6 x 1.0 in long), instruction sheet.

Instruction Sheet
C-605
**PART NUMBER**

0541-1130 Remote-Mounted Cummins Onan Digital Display

**Spec Sheet Description**
Cummins Onan Digital Display graphical LCD remote display for genset operating parameters and diagnostics

**Description**
Weather protected plastic enclosure with a graphical LCD display and two 8-pin Deutsch connectors.

**Benefits**
Plug-and-play assembly with start/stop buttons and LED lights that provide genset status at a glance. The LCD has digital readout of AC voltage, AC frequency, coolant temperature, oil pressure, battery voltage, and hours. It will also provide a pre-alarm warning for high coolant temperature and low oil pressure alerting the operator of a potential failure. If the genset shuts down due to a fault, the LCD will provide a description of the fault along with the fault number and the run time hours that the fault occurred. The display will also list the last five faults that occurred.

**Installation**
Up to three displays can be connected to one generator. Requires 4.8 inches (123 mm) mounting depth.

**Compatibility**
This kit is for use with:
MDKBH/J/K/L/M/N/W
MDKBP/R/V/T/U
MDDCA/B/C/D/E/F/G/H/J/K

**Kit Includes**
Display assembly, four mounting screws, instruction sheet.

**Instruction Sheet**
G-574
**PART NUMBER**

0541-0941-01 Harness Kit—Remote Start/Stop Switch with Connector 12 V

0541-0941-02 Harness Kit—Remote Start/Stop Switch with Connector 24 V

**Spec Sheet Description**
Remote start/stop switch with dual lamps and mating harness only for panel installation

**Description**
Basic remote start/stop switch—Switch (black) with dual lamp start/stop momentary switch pre-wired to an 8-pin Deutsch sealed connector for use with available extension harnesses ranging in length from 15 feet (4.5 meter) to 150 feet (45.7 meter).

**Benefits**
A plug-and-play assembly with a start/stop switch and mating adapter harness for customer to install in any customized remote panel. The switch has built-in dual lamps: the green lamp indicates the generator is operating normally; the amber flashing lamp indicates a diagnostic code for convenient troubleshooting. Switch must be plugged into the generator set control with a suitable extension harness. Also included is a separate label (76 x 90 mm; 3 x 3.5 in) with operating instructions and fault codes for diagnosis for operator convenience. Label has a black background with white text.

**Kit Includes**
Start/stop switch, adapter harness, genset operating instructions label, instruction sheet.

**Instruction Sheet**
C-605

**Compatibility**
These kits are for use with all QD Series generator sets. Select either 12 or 24 Vdc depending upon your genset configuration.
**PART NUMBER**

0338-3167 Remote Panel Harness 15 ft (4.5 m)
0338-3168 Remote Panel Harness 25 ft (7.6 m)
0338-3169 Remote Panel Harness 45 ft (13.7 m)
0338-3169-01 Remote Panel Harness 75 ft (22.8 m)
0338-3169-02 Remote Panel Harness 100 ft (30.4 m)
0338-3169-03 Remote Panel Harness 150 ft (45.6 m)

**Spec Sheet Description**
Remote panel wire harness—15 ft, 25 ft, 45 ft, 75 ft 100 ft or 150 ft

**Description**
Remote panel wire harness—15 ft (4.5 m), 25 ft (7.6 m), 45 ft (13.7 m), 75 ft (22.8 m), 100 ft (30.4 m) or 150 ft (45.6 m)

These harnesses have 8 wires terminated at both ends with sealed Deutsch connectors that plug into the generator set control connector and various Cummins Onan remote panel accessories described in this catalog. The wire bundle is held together by cable ties every 10-14 inches.

**Benefits**
Easy, plug and play connection between genset and remote panel.

**Installation**
When installed, the wire bundle should be protected through the boat so that it does not get damaged from contact with other machinery or personnel. The minimum hole diameter for either end of the harness to be passed through is 1.7 in (43 mm).

**Compatibility**
These kits are for use with all QD Series generator sets.

**Kit Includes**
Harness assembly.

**Instruction Sheet**
None
PART NUMBER
0338-4016 Harness Y Adapter for Remote Dual Stations

Spec Sheet Description
Y adapter harness for dual remote stations

Description
Harness consists of 2 x 8-pin watertight, Deutsch receptacles with 8 wires connected to an 8-pin watertight, Deutsch plug.

Dimensions
8 in (203 mm) between connections.

Benefits
Converts the control single remote to two remote connectors. Allows connection of two remote stations (only one with remote gauges) to the genset control with suitable extension harness.

Compatibility
This kit is for use with all QD Series generator sets.

Kit Includes
Harness assembly.

Instruction Sheet
None
PART NUMBER
0338-4017 Harness—Pigtail at Remote Panel

Spec Sheet Description
Remote station harness pigtail

Description
Harness consists of an 8-pin watertight, Deutsch receptacle with 8 wires (16 AWG) labeled 1 through 8, each 8 in (203 mm) long. Installer should butt splice connections on the loose end to make the necessary extensions.

Benefits
This harness plugs into the Cummins Onan remote panel accessories described in this catalog and allows installer to splice extensions to connect between the genset and remote panel.

Compatibility
This kit is for use with all QD Series generator sets.

Kit Includes
Remote control pigtail.

Instruction Sheet
None
PART NUMBER

0338-4223 Harness—Pigtail at Genset (8 ckt)
0338-4500 Harness—Pigtail at Genset (12 ckt)

Spec Sheet Description
Remote station harness pigtail

Description
Harness consists of a watertight, Deutsch plug with 8 or 12 wires (16 AWG), each 8 in (203 mm) long. Installer should splice connections on the loose end to make the necessary extensions.

Benefits
This harness plugs in to the remote connector at the genset and allows installer to splice extensions to connect the genset and remote panel.

Compatibility
0338-4223 is for use with all QD Series generator sets
0338-4500 is for connection J12 on MDDCA/B/C/D/E/F/G/H/J/K

Kit Includes
Harness

Instruction Sheet
None
PART NUMBER
0300-5464 Isolated Ground Conversion 12 V
0541-0822 Isolated Ground Conversion 12 V
0541-0823 Isolated Ground Conversion 12 V
0541-0824 Isolated Ground Conversion 24 V

Spec Sheet Description
12 or 24 V isolated ground conversion kit, no battery charging 12 V isolated DC control conversion kit

Description
This kit isolates the genset DC control system from the engine block which is bonded to the genset grounding lug. Isolation involves replacing oil pressure sensor, replacing water temperature sensor, and installing a relay that connects ground and B- during preheat and cranking only.

Benefits
When the genset is off or running, the DC system is isolated from the boat’s hull by disconnecting the engine block from B-. When the set is starting and during pre-heat, the engine block is connected to B-.

Compatibility
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Models</th>
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<tbody>
<tr>
<td>0300-5464 (12 V)</td>
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<td></td>
<td>(not with option H647)</td>
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<tr>
<td>0541-0822 (12 V)</td>
<td>MDKBK/L/M/N</td>
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<tr>
<td>0541-0823 (12 V)</td>
<td>MDKBP/R/V</td>
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<tr>
<td>0541-0824 (24 V)</td>
<td>MDKBP/R/V</td>
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</table>

Installation
The battery charging alternator will be disconnected when installing kits 0541-0823 and 0541-0824.

Kit Includes
Oil pressure sensor, water temp sensor, relay, wire and miscellaneous hardware, instruction sheet.

Instruction Sheet
M-107 for 0300-5464; G-541 for 0541-0822/3/4
PART NUMBER
0308-0269 2-Wire 120 V AC Manual Transfer Switch
0308-0270 3-Wire 120/240 V AC Manual Transfer Switch

Spec Sheet Description
Ship-to-shore selector switch, single phase,
2- or 3-wire output

Description
AC manual transfer switch. Rated at 600 V and 63
Amps.

Dimensions
0308-0270 4.5 in (114.3 mm) square panel x 6.75 in
(171.5 mm) deep overall.
0308-0269 4.5 in (114.3 mm) square panel x 4.1 in
(104.1 mm) deep overall.

Benefits
Switch allows load to be switched to either shore
power or genset power and keeps the genset isolated
from shore power.

Compatibility
<table>
<thead>
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<th>Part No.</th>
<th>Models</th>
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<tr>
<td>0308-0269</td>
<td>MDKBH/J/W</td>
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<td>(2 wire systems less than 63 Amps)</td>
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<td>0308-0270</td>
<td>MDKBH/J/K/L/N/W</td>
</tr>
<tr>
<td>(3 wire systems less than 63 Amps)</td>
<td></td>
</tr>
</tbody>
</table>

Kit Includes
Rotary selector switch and instruction sheet.

Instruction sheet
A-185
PART NUMBER
0332-3771 DC Terminal Boot Kit
(for battery connections at bulk head)

Spec Sheet Description
Bulk head battery terminal boots

Description
Rubber insulating boots fit wire with insulation diameter up to .55 in (14 mm). Generally fits wire from 8 to 1/0 AWG.

Benefits
These are protective covers for the bulk head battery connection. The exposed battery connection should be protected from accidental contact with tools or metal objects that would cause arcing.

Compatibility
This kit is for use with all QD Series generator sets.

Kit Includes
One black boot and one red boot.

Instruction Sheet
None
PART NUMBER
0300-4686-01 Low Coolant Level Switch Kit

Spec Sheet Description
Low coolant level safety shut-off switch

Description
Provides continuous monitoring of the coolant level in the engine block. If the level falls below a pre-set level for more than 10 seconds the genset control activates a shutdown and indicates fault code 59. Operator should repair any leak and add coolant as appropriate. Please use operator’s manual instructions for adding coolant.

Benefits
The genset is equipped with a recovery bottle with recommended coolant level indication gauge. The switch adds additional protection against operation with low coolant level.

Compatibility
This kit is for use with:
MDKBK/L/M/N (not with dry exhaust)
MDKBP/R/V/T/U

Kit Includes
Switch assembly, 3/4 in to 1/4 in NPT reducer bushing and instruction sheet.

Instruction Sheet
C-492
**PART NUMBER**

0123-2252 Low/High Oil Level Switch

**Spec Sheet Description**
Low and high oil level indicator and shutdown

**Description**
Oil level switch mounted to genset frame with high and low level indicators.

**Benefits**
The switch interfaces with the genset control system to protect the engine from too much or too little lubrication oil.

**Compatibility**
This kit is for use with:
MDDCA/B/C/D/E/F/G/H/J/K

**Kit Includes**
Oil level switch, mounting brackets, hoses, mounting hardware, and instruction sheet.

**Instruction Sheet**
G-635
PART NUMBER
0320-1666-XX AC Output Breakers
0320-1689-XX AC Output Breakers
0320-1836-XX AC Output Breakers
0320-1891-XX AC Output Breakers
0320-2332-XX AC Output Breakers
0541-0946-XX AC Output Breakers

Spec Sheet Description
Line circuit breakers for field conversion of frequency or AC voltage output

Description
Trip free, hydraulic magnetic trip recognized per UL1077 and CSA certification. Interrupting capacity is 1000 amps (3 pole is 5000 Amps) at 0.5 PF, 50/60 Hz; 65 VDC (RES). Pulse tolerance: 20 times rated current for 8 milliseconds. Ignition protected per USCG Requirement CFR-33-183.410 or UL1500.

Benefits
Main line circuit breakers come standard on these model gensets but, in many cases, when the voltage or frequency is changed, the circuit breaker also must be changed. These kits allow easy conversion of the circuit breaker in the field.

Compatibility
The tables below list the recommended circuit breaker for each model per voltage code.

Kit Includes
Individual circuit breaker.

Instruction Sheet
None

Continued on next page.
Continued from previous page.

<table>
<thead>
<tr>
<th>Voltage Code Description</th>
<th>MDKB</th>
<th>Amps</th>
<th>MDKBJ/W</th>
<th>Amps</th>
<th>MDKBK/BL</th>
<th>Amps</th>
<th>MDKBK</th>
<th>Amps</th>
<th>MDKBM</th>
<th>Amps</th>
<th>MDKBN</th>
<th>Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>120/208, 3 ph., 4 wire</td>
<td>0320-1689-12</td>
<td>70</td>
<td>0320-1689-16</td>
<td>90</td>
<td>0320-1689-18</td>
<td>100</td>
<td>0320-2332-01</td>
<td>115</td>
<td>0320-2332-02</td>
<td>125</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120/208, 3 ph., 4 wire</td>
<td>0320-1891-01</td>
<td>25</td>
<td>0320-1891-04</td>
<td>35</td>
<td>0320-1891-04</td>
<td>35</td>
<td>0320-1891-07</td>
<td>45</td>
<td>0320-1891-10</td>
<td>50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>139/240, 3 ph., 4 wire</td>
<td>0320-1836-09</td>
<td>55</td>
<td>0320-1836-11</td>
<td>65</td>
<td>0320-1836-12</td>
<td>70</td>
<td>0320-1836-15</td>
<td>85</td>
<td>0320-1836-18</td>
<td>100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>115/230, 3 ph., 4 wire</td>
<td>0320-1836-09</td>
<td>55</td>
<td>0320-1836-10</td>
<td>60</td>
<td>0320-1836-13</td>
<td>75</td>
<td>0320-1836-14</td>
<td>80</td>
<td>0320-1836-18</td>
<td>100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>220/380, 3 ph., 4 wire</td>
<td>0320-1836-09</td>
<td>55</td>
<td>0320-1836-11</td>
<td>65</td>
<td>0320-1836-12</td>
<td>70</td>
<td>0320-1836-15</td>
<td>85</td>
<td>0320-1836-18</td>
<td>100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>220/380, 3 ph., 4 wire</td>
<td>0320-1836-09</td>
<td>55</td>
<td>0320-1836-10</td>
<td>60</td>
<td>0320-1836-13</td>
<td>75</td>
<td>0320-1836-14</td>
<td>80</td>
<td>0320-1836-18</td>
<td>100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Electrical System Accessories

PART NUMBER
0320-1960-XX AC Output Breakers
0320-2346-XX AC Output Breakers
0320-2347-XX AC Output Breakers
0541-1132-01 Circuit Breaker Mounting Kit
0541-1132-02 Circuit Breaker Mounting Kit

Spec Sheet Description
Set-mounted main line circuit breakers for field conversion of AC voltage output

Description
Thermal-magnetic circuit breakers are built in accordance with UL 489 and CSA C22.2 No. 5.1 Standard.

Benefits
These kits allow easy conversion of the circuit breaker in the field when the output voltage is changed.

<table>
<thead>
<tr>
<th>Voltage Code</th>
<th>Description</th>
<th>MDDCA</th>
<th>Amps</th>
<th>MDDCB</th>
<th>Amps</th>
<th>MDDCC</th>
<th>Amps</th>
<th>MDDCD</th>
<th>Amps</th>
<th>MDDCE</th>
<th>Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>R104 (60Hz)</td>
<td>120/240, 1 ph., 3 wire</td>
<td>0320-2347-02</td>
<td>225</td>
<td>0320-1960-11</td>
<td>250</td>
<td>0320-1960-06</td>
<td>300</td>
<td>0320-1960-04</td>
<td>400</td>
<td>0320-1960-02</td>
<td>500</td>
</tr>
<tr>
<td>R002 (60Hz)</td>
<td>277/480, 3 ph., 4 wire</td>
<td>0320-2346-09</td>
<td>80</td>
<td>0320-2346-07</td>
<td>100</td>
<td>0320-2346-06</td>
<td>125</td>
<td>0320-2346-05</td>
<td>150</td>
<td>0320-2346-03</td>
<td>200</td>
</tr>
<tr>
<td>R003 (60Hz)</td>
<td>240/416, 3 ph., 4 wire</td>
<td>0320-2346-08</td>
<td>90</td>
<td>0320-2346-06</td>
<td>125</td>
<td>0320-2346-05</td>
<td>150</td>
<td>0320-2346-04</td>
<td>175</td>
<td>0320-2346-02</td>
<td>225</td>
</tr>
<tr>
<td>R023 (60Hz)</td>
<td>255/440, 3 ph., 4 wire</td>
<td>0320-2346-09</td>
<td>80</td>
<td>0320-2346-06</td>
<td>125</td>
<td>0320-2346-05</td>
<td>150</td>
<td>0320-2346-04</td>
<td>175</td>
<td>0320-2346-03</td>
<td>200</td>
</tr>
<tr>
<td>R067 (60Hz)</td>
<td>139/240, 3 ph., 4 wire</td>
<td>0320-2346-05</td>
<td>150</td>
<td>0320-2347-03</td>
<td>200</td>
<td>0320-2347-01</td>
<td>250</td>
<td>0320-1960-06</td>
<td>300</td>
<td>0320-1960-05</td>
<td>350</td>
</tr>
<tr>
<td>R098 (60Hz)</td>
<td>120/208, 3 ph., 4 wire</td>
<td>0320-2347-04</td>
<td>175</td>
<td>0320-2347-01</td>
<td>250</td>
<td>0320-1960-11</td>
<td>250</td>
<td>0320-1960-06</td>
<td>300</td>
<td>0320-1960-04</td>
<td>400</td>
</tr>
<tr>
<td>R106 (60Hz)</td>
<td>120/240, 3 ph., 4 wire</td>
<td>0320-2346-05</td>
<td>150</td>
<td>0320-2347-03</td>
<td>200</td>
<td>0320-2347-01</td>
<td>250</td>
<td>0320-1960-06</td>
<td>300</td>
<td>0320-1960-05</td>
<td>350</td>
</tr>
</tbody>
</table>

Compatibility
The table below lists the recommended circuit breaker for each model per voltage code.

Installation
The circuit breaker mounting kit must be ordered with the circuit breaker.
0541-1132-01 is for use with 0320-2346-XX and 0320-2347-XX breakers
0541-1132-02 is for use with 0320-1960-XX breakers

Kit Includes
Kits 0320-2346-XX, 0320-2347-XX and 0320-1960-XX include a circuit breaker. Kits 0541-1132-01/2 includes mounting hardware, leads and instruction sheet.

Instruction Sheet
G-642 for 0541-1132-01, -02
PART NUMBER
0416-0796 Battery 12 V–660 CCA
0416-0823 Battery 12 V–620 CCA

Spec Sheet Description
Battery

Description
Battery required for generator set starting and operation of a 12 volt engine electric system. All batteries are shipped dry. Order electrolytes from your Cummins Onan distributor.

Benefits
Maintenance free type, wet lead acid battery, 12-volt nominal voltage unless noted otherwise.

Compatibility

<table>
<thead>
<tr>
<th>Part #</th>
<th>0416-0796</th>
<th>0416-0823</th>
<th>Minimum CCA rating required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td></td>
<td></td>
<td>CCA @ 0° F (-17.8° C)</td>
</tr>
<tr>
<td>MDKBH/L/K</td>
<td>x</td>
<td>x</td>
<td>360</td>
</tr>
<tr>
<td>MDKBM/N/P</td>
<td>x</td>
<td>x</td>
<td>500</td>
</tr>
<tr>
<td>MDKBV/T/U</td>
<td>x</td>
<td>–</td>
<td>625</td>
</tr>
<tr>
<td>MDDCA/B/C/F/G</td>
<td>x</td>
<td>–</td>
<td>640</td>
</tr>
<tr>
<td>MDDCD/E/H/J/K</td>
<td>–</td>
<td>–</td>
<td>800</td>
</tr>
</tbody>
</table>

Installation
See Installation manual for installation details.

Kit Includes
Battery

Instruction Sheet
None

Dimensions

<table>
<thead>
<tr>
<th>Part #</th>
<th>0416-0796</th>
<th>0416-0823</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plates/Cell</td>
<td>16</td>
<td>17</td>
</tr>
<tr>
<td>Battery Volts</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Battery capacity–CCA @ 0° F (-17.8° C)</td>
<td>660</td>
<td>620</td>
</tr>
<tr>
<td>Length (inch)</td>
<td>13.0</td>
<td>13.5</td>
</tr>
<tr>
<td>Width (inch)</td>
<td>6.8</td>
<td>6.8</td>
</tr>
<tr>
<td>Height (inch)</td>
<td>9.4</td>
<td>9.2</td>
</tr>
<tr>
<td>BCI Group</td>
<td>31</td>
<td>30H</td>
</tr>
<tr>
<td>Ship Weight lb (kg)</td>
<td>62 (28.1)</td>
<td>42 (19)</td>
</tr>
</tbody>
</table>

Cummins Onan Marine Accessories | 23
**PART NUMBER**

0300-4434 Alternator Space Heater, 120 VAC  
0300-4435 Alternator Space Heater, 240 VAC  
0333-0445 Alternator Space Heater, 110–125 VAC  
0333-0446 Alternator Space Heater, 220–260 VAC

**Spec Sheet Description**
Anti-condensation resistance heater, 120 V or 240 V, 100W

**Description**
100W resistance heater mounts inside the alternator. Terminal box mounts to outside of alternator housing.

**Benefits**
Prevents corrosion due to condensation when the unit is not running.

**Compatibility**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Models</th>
<th>Instruction Sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>0300-4434 (120 VAC)</td>
<td>MDKBTU</td>
<td>C-449</td>
</tr>
<tr>
<td>0300-4435 (240 VAC)</td>
<td>MDKBTU</td>
<td>C-449</td>
</tr>
<tr>
<td>0333-0445 (110-125 VAC)</td>
<td>MDDCA/B/C/D/E/F/G/H/J/K</td>
<td>C-437</td>
</tr>
<tr>
<td>0333-0446 (220-260 VAC)</td>
<td>MDDCA/B/C/D/E/F/G/H/J/K</td>
<td>C-437</td>
</tr>
</tbody>
</table>

**Installation**
Requires external power source to terminal box.

**Kit Includes**
Cartridge heater, terminal box, wiring, mounting hardware, and instruction sheet.

**Instruction Sheet**
See chart above.
PART NUMBER
0541-1155 Manual Voltage Control

Spec Sheet Description
Manual voltage regulator

Description
Set mounted manual voltage regulator.

Benefits
Hand controlled excitation system for emergency operation.

Compatibility
This kit is for use with MDDCA/B/C/D/E/F/G/H/J/K.

Installation
Requires factory installed option B184 (PMG and Newage AVR).

Kit Includes
Manual voltage control, mounting hardware, harness and instruction sheet.

Instruction Sheet
C-670
Power Take-Off Conversions

**PART NUMBER**
0541-1648-01 PTO Clutch Assembly 12 V
0541-1648-02 PTO Clutch Assembly 24 V
0541-1275-01 PTO Clutch Assembly 12 V
0541-1275-02 PTO Clutch Assembly 24 V
0541-1280-02 PTO Belt Guard
0541-1650-03 PTO Belt Guard
0541-1650-04 PTO Belt Guard
0541-1473 PTO Sound Shield “C” Front Panel
0541-1395 PTO Sound Shield “C” Front Panel

**Spec Sheet Description**
Front power take-off (PTO) clutch with torsional coupling.

**Description**
PTO flexible coupling electric clutch to direct drive accessories. SAE ‘B’ spline 13T 16/32 DP, 2 or 4 bolt pump mount.

**Benefits**
The PTO Clutch Assembly connects to drive accessories such as windlass or hydraulic thrusters. The net available power varies by model and is limited by the maximum engine horsepower and maximum clutch engagement RPM (see the table below).

**Net Available Power, HP (kWm)**

<table>
<thead>
<tr>
<th>Model</th>
<th>at 1500 rpm</th>
<th>at 1800 rpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDKBP</td>
<td>26 (19.4)</td>
<td>31.2 (23.4)</td>
</tr>
<tr>
<td>MDKBRV</td>
<td>30.6 (22.8)</td>
<td>36</td>
</tr>
<tr>
<td>MDKBT/U</td>
<td>40 (29.8)</td>
<td>40 (29.8)</td>
</tr>
</tbody>
</table>

**Installation**
Gensets without sound shield require belt guard kit. Gensets with sound shield require “C” front panel.

**Instruction Sheet**
See compatibility chart.

**Kit Includes**
0541-1648-0X and 0541-1275-0X
Clutch, instruction sheet, and mounting hardware.
0541-1280-02 and 0541-1650-0X
Belt guard, instruction sheet, and brackets and hardware.
0541-1473 and 0541-1395
Front sound shield panel, PTO shield, and hardware.

**Compatibility**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Models</th>
<th>Instruction Sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>0541-1648-01</td>
<td>12 VDC MDKBP/R (spec D and later) MDKBRV</td>
<td>G-475</td>
</tr>
<tr>
<td>0541-1648-02</td>
<td>24 VDC MDKBP/R (spec D and later) MDKBRV</td>
<td>G-475</td>
</tr>
<tr>
<td>0541-1275-01</td>
<td>12 VDC MDKBT/U</td>
<td>G-475</td>
</tr>
<tr>
<td>0541-1275-02</td>
<td>24 VDC MDKBT/U</td>
<td>G-475</td>
</tr>
<tr>
<td>0541-1650-03</td>
<td>Neg. Gnd. MDKBP/R (spec D and later) MDKBRV</td>
<td>G-669</td>
</tr>
<tr>
<td>0541-1650-04</td>
<td>Iso. Gnd. MDKBP/R (spec D and later) MDKBRV</td>
<td>G-669</td>
</tr>
<tr>
<td>0541-1280-02</td>
<td>MDKBT/U</td>
<td>G-724</td>
</tr>
<tr>
<td>0541-1473</td>
<td>MDKBP/R/S (spec B and later); MDKBRV</td>
<td>G-669</td>
</tr>
<tr>
<td>0541-1395</td>
<td>MDKBT/U</td>
<td>G-724</td>
</tr>
</tbody>
</table>

**Power Take-Off Conversions**

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PART NUMBER

0541-1133-01 PTO Clutch Assembly, 12 V, 70 hp
0541-1133-02 PTO Clutch Assembly, 24 V, 70 hp
0541-1133-03 PTO Clutch Assembly, 12 V, 100 hp
0541-1133-04 PTO Clutch Assembly, 24 V, 100 hp
0541-1139-01 PTO Mount Assembly
0541-1139-02 PTO Mount Assembly
0541-1128-02 PTO Belt Guard
0541-1140 PTO Sound Shield “C” Front Panel

Spec Sheet Description
Front power take-off clutch with torsional coupling; 12 V or 24 V, 70 or 100 hp.

Description
The PTO has a flexible coupling electric clutch for direct drive of accessories. SAE ‘C’ spline 14T 12/24 DP, 2 or 4 bolt pump mount.

Benefits
The PTO Clutch Assembly connects to drive accessories such as windlass or hydraulic thrusters. The net available power varies by model and is limited by the maximum engine horsepower and maximum clutch engagement RPM (see table below).

Installation
PTO mount assembly (0541-1139-01) must be ordered for 4-cylinder engine models. PTO mount assembly (0541-1139-02) must be ordered for 6-cylinder engine models. See compatibility chart.

Belt guard (0541-1128-02) must be ordered for gensets without a sound shield. The “C” front panel (0541-1140) must be ordered for gensets with a sound shield.

Compatibility

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Models</th>
<th>Instruction Sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>0541-1133-01</td>
<td>MDDCA/B/C/D/E/F/G/H/J/K</td>
<td>None</td>
</tr>
<tr>
<td>0541-1133-02</td>
<td>MDDCA/B/C/D/E/F/G/H/J/K</td>
<td>None</td>
</tr>
<tr>
<td>0541-1133-03</td>
<td>MDDCA/B/C/D/E/F/G/H/J/K</td>
<td>None</td>
</tr>
<tr>
<td>0541-1133-04</td>
<td>MDDCA/B/C/D/E/F/G/H/J/K</td>
<td>None</td>
</tr>
<tr>
<td>0541-1139-01</td>
<td>MDDCA/B/C/D/E/F/G/H/J/K</td>
<td>G-632</td>
</tr>
<tr>
<td>0541-1139-02</td>
<td>MDDCA/B/C/D/E/F/G/H/J/K</td>
<td>G-632</td>
</tr>
<tr>
<td>0541-1128-02</td>
<td>MDDCA/B/C/D/E/F/G/H/J/K</td>
<td>G-633</td>
</tr>
<tr>
<td>0541-1140</td>
<td>MDDCA/B/C/D/E/F/G/H/J/K</td>
<td>G-633</td>
</tr>
</tbody>
</table>

Net Available Power, HP (kWm)

<table>
<thead>
<tr>
<th>Model</th>
<th>at 1500 RPM</th>
<th>at 1800 RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDDCF/K</td>
<td>60 (44.7)</td>
<td>N/A</td>
</tr>
<tr>
<td>MDDCG</td>
<td>75 (55.9)</td>
<td>N/A</td>
</tr>
<tr>
<td>MDDCH</td>
<td>97 (72.3)</td>
<td>N/A</td>
</tr>
<tr>
<td>MDDCJ</td>
<td>119 (88.7)</td>
<td>N/A</td>
</tr>
<tr>
<td>MDDCA</td>
<td>N/A</td>
<td>60 (44.7)</td>
</tr>
<tr>
<td>MDDCB</td>
<td>N/A</td>
<td>82 (61.1)</td>
</tr>
<tr>
<td>MDDCC</td>
<td>N/A</td>
<td>97 (72.3)</td>
</tr>
<tr>
<td>MDDCD</td>
<td>N/A</td>
<td>119 (88.7)</td>
</tr>
<tr>
<td>MDDCE</td>
<td>N/A</td>
<td>148 (110.4)</td>
</tr>
</tbody>
</table>

Kit Includes
0541-1133-0X
Electric clutch
0541-1139-0X
Mounting brackets, engine vibration isolators, instruction sheet and all necessary hardware to mount PTO assembly.
0541-1128-02
Belt guard, instruction sheet, and all necessary brackets and hardware.
0541-1140
Front sound shield panel, PTO shield, instruction sheet, and all necessary hardware.

Instruction Sheet
See compatibility chart.
PART NUMBER
0541-1177-01 Secondary Vibration Isolators (4 cyl. engine)
0541-1177-02 Secondary Vibration Isolators (4 cyl. engine with PTO)
0541-1177-03 Secondary Vibration Isolators (6 cyl. engine)
0541-1177-04 Secondary Vibration Isolators (6 cyl. engine with PTO)

Spec Sheet Description
Secondary vibration isolation system.

Description
Set of four vibration isolators mount between the vessel and genset base.

Benefits
Provides optimal vibration isolation for sensitive applications.

Compatibility
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>0541-1177-01</td>
<td>MDDCA/B/C/F/G/K</td>
</tr>
<tr>
<td>0541-1177-02</td>
<td>MDDCA/B/C/F/G/K (with PTO)</td>
</tr>
<tr>
<td>0541-1177-03</td>
<td>MDDCD/E/H/J</td>
</tr>
<tr>
<td>0541-1177-04</td>
<td>MDDCD/E/H/J (with PTO)</td>
</tr>
</tbody>
</table>

Installation
This kit will increase the overall height of the generator set by approximately 2.75 inches (65 mm).

Kit Includes
Four vibration isolators, four bolts and washers and instruction sheet.

Instruction Sheet
G-648
Cooling System Accessories

PART NUMBER
0541-0876-01 Siphon Break
0541-0876-02 Siphon Break
0541-0877-01 Siphon Break
0541-1152 Siphon Break

Spec Sheet Description
Siphon break kit.

Description
Siphon break kit with hose barb connections.

Benefits
In installations where the genset water-exhaust mixer is less than 6 in. above the load water line, a siphon break is required. A siphon break will stop the flow of sea water into the engine due to siphon action when the genset is not running by allowing air into the system.

Compatibility

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>0541-0876-01</td>
<td>MDKBJ/K/L/M/N/W</td>
</tr>
<tr>
<td>0541-0876-02</td>
<td>MDKBH</td>
</tr>
<tr>
<td>0541-0877-01</td>
<td>MDKBT/U</td>
</tr>
<tr>
<td>0541-1152</td>
<td>MDDCA/B/C/D/E/F/G/H/J/K</td>
</tr>
</tbody>
</table>

Kit Includes
0541-0876-01
Siphon break assembly, two hose clamps, two rubber grommets and instruction sheet.

0541-0876-02
Siphon break assembly, eight hose clamps, two rubber grommets, two pre-formed rubber hoses, two 3/4 in hose unions and instruction sheet.

0541-1152
Siphon break assembly, six hose clamps, two rubber grommets, and instruction sheet.

0541-0877-01
Siphon break assembly, two hose clamps, two rubber grommets and instruction sheet.

Instruction Sheet
G-567
PART NUMBER
0541-1255-01 Front (Engine End) Raw Water Inlet Kit
0541-1392-01 Front (Engine End) Raw Water Inlet Kit
0541-1619-01 Front (Engine End) Raw Water Inlet Kit

Spec Sheet Description
Front (engine end) raw water inlet kit.

Description
This kit relocates the raw water inlet from the rear (generator end) to the front (engine end) for gensets equipped with sound shields.

Benefits
Generator set installations requiring moving the location of the raw water connection from the rear (generator end) to the front (engine end) can be accommodated by using this kit.

Compatibility
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Models</th>
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<tr>
<td>0541-1255-01</td>
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<td>MDKBT/U</td>
</tr>
<tr>
<td>0541-1392-01</td>
<td></td>
</tr>
</tbody>
</table>

Installation
Requires removal of the rear raw water inlet hose.

Kit Includes
0541-1255-01
Molded hose, hole plug, instruction sheet.
0541-1392-01
Molded hose, instruction sheet.
0541-1619-01
Molded hose, retaining clamp, instruction sheet.

Instruction Sheet
G-673 for 541-1255-01 and 0541-1619-01
G-726 for 541-1392-01
PART NUMBER

0541-1255-02 Rear (Generator End) Raw Water Inlet Kit
0541-1255-03 Rear (Generator End) Raw Water Inlet Kit
0541-1392-02 Rear (Generator End) Raw Water Inlet Kit
0541-1619-02 Rear (Generator End) Raw Water Inlet Kit

Spec Sheet Description
Rear (generator end) raw water inlet kit.

Description
This kit relocates the raw water inlet from the front (engine end) to the rear (generator end) for gensets equipped with sound shields.

Benefits
Generator set installations requiring moving the location of the raw water connection from the front (engine end) to the rear (generator end) can be accommodated by using this kit.

Compatibility

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<th>Models</th>
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<td>0541-1255-03</td>
<td>MDKBM/N (spec C and later)</td>
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<tr>
<td>0541-1619-02</td>
<td>MDKBP/R (spec C and later) MDKBV</td>
</tr>
<tr>
<td>0541-1392-02</td>
<td>MDKBTV/U</td>
</tr>
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</table>

Installation
Requires removal of the front raw water inlet hose.

Kit Includes
0541-1255-0X
Molded hose, hole plug, instruction sheet.

0541-1392-02
Two hoses, connector, two clamps, instruction sheet.

0541-1619-02
Molded hose, instruction sheet.

Instruction Sheet
G-673 for 0541-1255-0X and 0541-1619-02
G-726 for 0541-1392-02
PART NUMBER
0155-3087 Keel Cooling Kit with Dry Exhaust

Spec Sheet Description
Keel cooling conversion for dry exhaust.

Description
This kit replaces the seawater pump with a cover and eliminates the heat exchanger from the cooling system. The exhaust has to be converted to dry style with a separate kit. If the set to be converted has a sound shield, then the roof has to have a hole cut out for the exhaust exit and the exhaust elbow and fittings have to be lagged to prevent heat buildup inside the sound shield.

Benefits
This kit converts the engine cooling system from heat exchanger to keel cooling. In addition, if the exhaust needs to be converted to dry exhaust a separate kit is required; see Dry Exhaust Conversion on page 47.

Compatibility
This kit is for use with MDKBP/R/V.

Kit Includes
Auxiliary drive cover, cover seal, four bolts, inlet and outlet keel cooling assemblies, coolant hoses, instruction sheet.

Instruction Sheet
M-94
PART NUMBER
0155-3148-02 Keel Cooling with Wet Exhaust

Spec Sheet Description
Keel cooling conversion for wet exhaust.

Description
Keel cooling kit for wet exhaust contains parts required to convert from heat exchanger cooling to keel cooling. The raw water pump will still draw water from the sea and discharge it in the exhaust mixer.

Benefits
Converts genset from heat exchanger cooled and wet exhaust to keel cooled with wet exhaust.

Compatibility
This kit is for use with MDKBP/R/V.

Kit Includes
Keel cooling inlet and outlet assemblies, coolant hoses, elbow and adapter assembly, instruction sheet.

Instruction Sheet
M-94
PART NUMBER
0541-1124 Keel Cooling Expansion Tank, 4 Gal (15 L)

Spec Sheet Description
Keel cooling expansion tank, set-mountable.

Description
Set mountable, keel cooling expansion tank. 4 Gallon (15 liter) capacity.

Benefits
Keel cooling systems require extra expansion space for the increased volume of coolant. This kit provides a convenient method to mount the tank directly to the engine.

Compatibility
This kit is for use with MDDCA/B/C/D/E/F/G/H/J/K.

Installation
This kit is set mountable for gensets without a sound shield. See genset outline drawing for dimensions.

Kit Includes
Expansion tank, coolant hose adapter fittings, mounting brackets, all mounting hardware and instruction sheet.

Instruction Sheet
G-636
PART NUMBER

0333-0702-01 Coolant Heater, 110 V, 1000 W
0333-0702-02 Coolant Heater, 220 V, 1000 W

Spec Sheet Description
Coolant heater, 120 V or 240 V, 1000 W.

Description
1000 W direct immersion style coolant heater. Mounts in freeze out port in engine block. Includes 12 in (300 mm) cord.

Benefits
Warms engine to improve cold starting performance.

Compatibility
These kits are for use with MDDCA/B/C/D/E/F/G/H/J/K.

Kit Includes
Heater, cord and instruction sheet.

Instruction Sheet
Manufacturer instructions included.
Exhaust Accessories

**PART NUMBER**
0541-1253-01 Front (Engine End) Exhaust Outlet Kit
0541-1253-02 Front (Engine End) Exhaust Outlet Kit
0541-1282 Front (Engine End) Exhaust Outlet Kit
0541-1472-02 Front (Engine End) Exhaust Outlet Kit

**Spec Sheet Description**
Front (engine end) exit (wet) exhaust tube kit.

**Description**
This kit relocates the wet exhaust outlet from the rear (generator end) to the front (engine end) for gensets equipped with sound shields.

**Benefits**
Generator set installations requiring moving the location of the exhaust connection from the rear (generator end) to the front (engine end) can be accommodated by using this kit.

**Installation**
Requires removal of rear out exhaust tube.

**Compatibility**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Models</th>
<th>Instruction Sheet</th>
</tr>
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<tbody>
<tr>
<td>0541-1253-01</td>
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<td>MDKBM/N (spec C and later)</td>
<td>G-670</td>
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<td>0541-1472-02</td>
<td>MDKBP/R (spec B and later)</td>
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<td>MDKBV</td>
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<tr>
<td>0541-1282</td>
<td>MDKBT/U</td>
<td>G-725</td>
</tr>
</tbody>
</table>

**Kit Includes**
0541-1472-02
Molded rubber hose, hole plug, instruction sheet.
0541-1253-01, -02
Molded 90° rubber elbow, stainless steel formed tube, straight hose, stainless steel clamps (4), instruction sheet.
0541-1282
Molded rubber hose, instruction sheet.

**Instruction Sheet**
See compatibility chart.
PART NUMBER
0541-1254-01 Rear (Generator End) Exhaust Outlet Kit
0541-1254-02 Rear (Generator End) Exhaust Outlet Kit
0541-1281 Rear (Generator End) Exhaust Outlet Kit
0541-1472-01 Rear (Generator End) Exhaust Outlet Kit

Spec Sheet Description
Rear exhaust outlet kit.

Description
This kit relocates the wet exhaust outlet from the front (engine end) to the rear (generator end).

Benefits
Generator set installations requiring moving the location of the exhaust connection from the front (engine end) to rear (generator end) can be accommodated using this kit.

Compatibility

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Models</th>
<th>Instruction Sheet</th>
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<td>0541-1254-01</td>
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<td>0541-1472-01</td>
<td>MDKBP/R (spec B and later) MDKBV</td>
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</tr>
<tr>
<td>0541-1281</td>
<td>MDKBT/U</td>
<td>G-725</td>
</tr>
</tbody>
</table>

Kit Includes
0541-1281 and 0541-1472-0X
Molded rubber hose, instruction sheet.

0541-1254-0X
Molded Rubber hose, hole plug, instruction sheet.

Instruction Sheet
See compatibility chart.
Exhaust Accessories

PART NUMBER
0155-2030 Muffler–Water Lift (2 in O.D.)
0155-3222 Muffler–Water Lift
(2 in O.D. Inlet x 2.5 in O.D. Outlet)
0541-1134 Muffler–Water Lift (4 in O.D.)
0541-1270 Muffler–Water Lift (3 in O.D.)

Spec Sheet Description
Marine water lift muffler.

Description
Marine water lift muffler has a water drain near the bottom for winterization. 0155-2030 has 2 in (50.8 mm) side inlet and 2 in (50.8 mm) top outlet. 0155-3222 has a 2 in (50.8 mm) side inlet and 2.5 in (63.5 mm) top outlet. 0541-1134 has a 4.0 in (102 mm) side inlet and 4.0 in (102 mm) top outlet. 0541-1270 has a 3.0 in (76 mm) side inlet and 3.0 in (76 mm) top outlet.

Benefits
Provides water lift capability for normal installations of the set below seawater level, transferring a mixture of raw water and engine exhaust as well as reducing the exhaust noise from the engine.

Compatibility
<table>
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<tr>
<th>Part No.</th>
<th>Models</th>
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<tr>
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<td>MDKBH/J/K/L/M/N</td>
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<td>MDKBP/R/VW</td>
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<td>When 2.5 in I.D. hose is required to reduce back pressure</td>
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<tr>
<td>0541-1134</td>
<td>MDDCA/B/C/D/E/F/G/H/J/K</td>
</tr>
<tr>
<td>0541-1270</td>
<td>MDKBT/U</td>
</tr>
</tbody>
</table>

Kit Includes
0155-2030, 0155-3222
Lift muffler, sea water strainer, hose clamps (8), instruction sheet.

0541-1134
Lift muffler, hose clamps (8), instruction sheet

0541-1270
Lift muffler, sea water strainer, hose clamps (6), instruction sheet.

Instruction Sheet
M-98

Continued on next page.
Continued from previous page.

Exhaust Accessories

[Diagram of exhaust accessories with dimensions labeled in inches and millimeters]

- 0541-1134
- 0541-1270
- 0155-3222
- 0541-1134
- 0155-3222

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PART NUMBER
0155-3216 Water–Exhaust Separator (2 in O.D.)*
0155-3224 Water–Exhaust Separator (2.5 in O.D.)*
0541-1136 Water–Exhaust Separator (4 in O.D.)
0541-1274 Water–Exhaust Separator (3 in O.D.)

Spec Sheet Description
Water separator.

Description
The water separator is to be located after the water lift muffler. It has an engine exhaust inlet and outlet and a third outlet for draining the water.

Benefits
The separator installs downstream from a water lift muffler, but above the sea level for gravity-forced draining, and separates the engine exhaust from the seawater. Provides excellent silencing of exhaust exit noise and splashing noticed in standard water lift muffler-alone installations. This kit installation requires an additional discharge-through-hull fitting to drain the seawater out of the genset exhaust.

Compatibility

<table>
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<th>Part No.</th>
<th>Models</th>
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<tr>
<td>0541-1274</td>
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<tr>
<td>0541-1136</td>
<td>MDDCA/B/C/D/E/F/G/H/J</td>
</tr>
</tbody>
</table>

Kit Includes
Water separator, hose clamps (4) for exhaust, (4) for seawater, instruction sheet.

Instruction Sheet
M-98

*NOTE: Model 155-3216 and 155-3224 are only available while supplies last. They are discontinued models. See page 42 for new models.
Continued from previous page.

Exhaust Accessories

0155-3216
in (mm)

0541-1136
in (mm)

0541-1136
in (mm)

0541-1274
in (mm)
**Exhaust Accessories**

**PART NUMBER**

A040A336 Water–Exhaust Separator (2 in O.D.)
A040A341 Water–Exhaust Separator (2.5 in O.D. Inlet x 2.0 in O.D. outlet)

**Spec Sheet Description**

Water separator.

**Description**

The water separator is to be located after the water lift muffler. It has an engine exhaust inlet and outlet and a third outlet for draining the water.

**Benefits**

The separator installs downstream from a water lift muffler, but above the sea level for gravity-forced draining, and separates the engine exhaust from the seawater. Provides excellent silencing of exhaust exit noise and splashing noticed in standard water lift muffler-alone installations. This kit installation requires an additional discharge-through-hull fitting to drain the seawater out of the genset exhaust.

**Compatibility**

<table>
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<th>Part No.</th>
<th>Models</th>
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<tbody>
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<td>MDKBP/R/V/W</td>
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<tr>
<td>A040A341</td>
<td>MDKBP/R/V</td>
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</tbody>
</table>

When 2.5 in I.D. hose is required to reduce back pressure

**Kit Includes**

Water separator, hose clamps (4) for exhaust, (4) for seawater, instruction sheet.

**Instruction Sheet**

M-98
PART NUMBER
0155-3217 Muffler–Water Lift and Water Exhaust Separator (2 in O.D., dual silencers)*
0155-3223 Muffler–Water Lift and Water Exhaust Separator (2.5 in O.D., dual silencers)*

Spec Sheet Description
Marine muffler, water separator.

Description
This kit includes both a water lift muffler and a water exhaust separator.

Dimensions
0155-3217
Water lift muffler—refer to 0155-2030
Water exhaust separator—refer to 0155-3216

0155-3223
Water lift muffler—refer to 0155-3222
Water exhaust separator—refer to 0155-3224

Benefits
Water lift muffler in combination with a water exhaust separator for superior noise reduction and elimination of water splashing outside the boat during genset operation. This kit installation requires an additional discharge-through-hull fitting to drain the seawater out of the genset exhaust.

Compatibility
<table>
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<th>Part No.</th>
<th>Models</th>
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<td>MDKBP/R/V</td>
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<tr>
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<td>When 2.5 in I.D. hose is required to reduce back pressure</td>
</tr>
</tbody>
</table>

Kit Includes
Water lift muffler, water exhaust separator, stainless steel hose clamps (14), strainer for raw water supply, and instruction sheet.

Instruction Sheet
M-98

* NOTE: There are a limited number of these kits remaining. When supplies are depleted, the water separator in the kits will change to the new style shown on page 44.
Exhaust Accessories

PART NUMBER
A040A347 Muffler–Water Lift (2 in. Inlet 2.5 in. Outlet) and Water Exhaust Separator (2.5 in. Inlet 2.0 in Outlet)
A040A351 Water Lift Muffler (2 in. Inlet and Outlet)
Exhaust Water Separator (2 in. Inlet and Outlet)

Spec Sheet Description
Marine muffler, water separator.

Description
This kit includes both a water lift muffler and a water exhaust separator.

Dimensions
A040A347
Water lift muffler—refer to 0155-3222
Water exhaust separator—refer to A040A341
A040A351
Water lift muffler—refer to 0155-2030
Water exhaust separator—refer to A040A336

Benefits
Use a water lift muffler in combination with a water exhaust separator for superior noise reduction and elimination of water splashing outside the boat during genset operation. This kit installation requires an additional discharge-through-hull fitting to drain the seawater out of the genset exhaust.
PART NUMBER
0155-3147 Muffler–Water Lift and Resonator
(2 in O.D., dual silencers)
0155-3239 Water–Exhaust Resonator Only
(2 in O.D.)

Spec Sheet Description
Marine mufflers and resonator dual silencers.

Description
Water lift muffler and resonator kit combination and a resonator only kit.

Benefits
10 kW (60 Hz) and smaller output can have their exhaust noise reduced with the addition of the resonator. The resonator must be installed as a secondary muffler with a water lift muffler upstream for proper operation.

Compatibility
These kits are for use with: MDKBJ/H/K/L/W

Kit Includes
0155-3147
Marine muffler, seawater strainer, hose clamps (12), resonator, instruction sheet.
0155-3239
Resonator and instruction sheet.

Instruction Sheet
M-98
Exhaust Accessories

PART NUMBER

0503-1353 Wet Exhaust Hose
(2 in (5.1 cm) I.D. x 10 ft (3.1 m) long)

0503-1302 Wet Exhaust Hose
(2.5 in (6.35 cm) I.D. x 10 ft (3.1 m) long)

0541-1137 Wet Exhaust Hose
(4 in (10.2 cm) I.D. x 12.5 ft (3.8 m) long)

Spec Sheet Description
Wet exhaust hose.

Description
Exhaust hose made from black plioflex synthetic rubber, reinforced with synthetic fabric and wire helix.

Benefits
This is a marine exhaust hose for diesel engines. It is constructed to meet the Underwriters Laboratories Specification 1129 applicable to marine exhaust systems. It is Type Certified per ABYC specification P-1.

Compatibility

<table>
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<th>Part No.</th>
<th>Models</th>
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<tr>
<td>0541-1137</td>
<td>MDDCA/B/C/D/E/F/G/H/J/K</td>
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</table>

Kit Includes
Marine exhaust hose.

Instruction Sheet
None
PART NUMBER
0155-2033 Exhaust Tube
   (2 in (5.1 cm) O.D. 90 degree elbow)

Spec Sheet Description
Wet exhaust stainless steel elbow.

Description
Stainless steel 90° elbow with barb ends for marine exhaust systems.

Benefits
This elbow allows redirecting marine set exhaust in a tight space with its 2-in O.D. tube size.

Compatibility
This kit is for use with:
MDKBH/J/K/L/M/N
MDKBP/R/V/W

Kit Includes
Stainless steel elbow.

Instruction Sheet
None.
Exhaust Accessories

PART NUMBER
0541-1528 90 Degree Exhaust Bulkhead Connection, 3 inch

Description
Rotatable wet exhaust bulkhead connection elbow. Replaces standard straight exhaust bulkhead connection.

Benefits
Provides a rotatable, 90 degree, wet exhaust bulkhead connection for installations with limited end clearance.

Compatibility
MDKBT/U

Kit Includes
Wet exhaust elbow, exhaust clamp, M6 screws (4), instruction sheet

Instruction Sheet
G-741
PART NUMBER
0155-3146 Dry Exhaust—Oriented Up or Down Steel Fitting
0155-4691 Dry Exhaust—Oriented Down Steel Fitting
0155-4690 Dry Exhaust—Oriented Up
0541-1272-01 Dry Exhaust

Spec Sheet Description
Dry exhaust conversion kit.

Description
Dry exhaust elbow with flange to bolt onto engine exhaust manifold. Exhaust can be oriented up or down. Not compatible with sound shields in the down position. When exhaust is oriented up, installer is required to machine sound shield roof panel for exhaust tube and insulate dry exhaust fittings inside sound shield. 0155-3146 has an 1 1/4 in NPT male threads for connecting to a flexible exhaust hose. 0155-4691, 0155-4690, and 541-1272-01 have 2 in NPT female pipe thread connections.

Benefits
Converts genset to dry exhaust configuration for typical commercial/work boat installation.

Compatibility
0155-3146 is for MDKBJ/K/L/M/N/W and can be oriented up or down.
0155-4691 is for MDKBP/R/V for exhaust oriented down.
0155-4690 is for MDKBP/R/V for exhaust oriented up.
0541-1272-01 is for MDKBT/U

Kit Includes
0155-3146
Exhaust elbow (1-1/4 in NPT thread), gasket, M8 bolts (4), M8 lock washers (4), instruction sheet.

0155-4691
Exhaust flange, reducing bushing (1 1/2 x 2 in NPT) gasket, Allen screw (3), M6 washers (8), instruction sheet.

0155-4690
Exhaust adapter, riser gasket, exhaust flange, exhaust adapter gasket, reducing bushing (1 1/2 x 2 in NPT) M8 screws (8), M2 washers (8), instruction sheet.

541-1272-01
Exhaust elbow, gasket, plug for wet exhaust outlet, instruction sheet.

Instruction Sheet
M-95 for 0155-4691
M-93 for 0155-4690 and 0155-3146
G-727 for 0541-1272-01
Exhaust Accessories

PART NUMBER
0541-1272-02 Dry Exhaust Flange

Spec Sheet Description
Dry exhaust flange (ASME B16.5, NPS 2, Class 150).

Description
2 inch NPT to round flange adapter. The flange complies with ASME B16.5 NPS 2, Class 150.

Benefits
Converts the standard dry exhaust elbow with 2 inch NPT threads to a round four-bolt flange.

Compatibility
This kit is for use with MDKBP/R/T/U/V equipped with dry exhaust.

Installation
Exhaust adapter screws into standard dry exhaust elbow.

Kit Includes
Exhaust adapter and instruction sheet.

Instruction Sheet
G-727
PART NUMBER
0155-2063-09 Dry Exhaust Muffler—Basic
0155-2064-09 Dry Exhaust Muffler—Enhanced

Spec Sheet Description
Dry exhaust muffler.

Description
Inline muffler for dry exhaust. 0155-2063-09 and 0155-2064-09 have 2 in pipe threads.

Benefits
Mufflers provide sound attenuation for dry exhaust applications. Use 0155-2064-09 over 0155-2063-09 for increased sound attenuation.

Compatibility
<table>
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<th>Part No.</th>
<th>Models</th>
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<td>MDKBP/R/V</td>
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<td>MDKBT/U</td>
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Kit Includes
Muffler

Instruction Sheet
None
Exhaust Accessories

PART NUMBER
0155-2355-02 Flexible Exhaust Tube for Dry Exhaust, (1 1/4 in NPT 18 in (46 cm) long)
0155-2355-04 Flexible Exhaust Tube for Dry Exhaust, (2 in NPT 18 in (46 cm) long)
0155-2356-01 Flexible Exhaust Tube for Dry Exhaust, (8-bolt flange 18 in (46 cm) long)

Spec Sheet Description
Flexible exhaust stainless steel tube assembly.

Description
18 in (46 cm) long flexible exhaust tube for dry exhaust. Type 321 stainless steel tubing, spiral or annular corrugated open pitch.

Benefits
Flexible exhaust tube provides vibration isolation in dry exhaust installations.

Compatibility
<table>
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<td>MDKBT/U</td>
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<tr>
<td>0155-2356-01</td>
<td>MDDCA/B/C/D/E/F/G/H/J/K</td>
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Requires dry exhaust outlet with 8 bolt flange—option E119

Kit Includes
Flexible exhaust tube.

Instruction Sheet
None
Fuel System Accessories

PART NUMBER
0541-1509 Front (Engine End) Fuel System Connection Kit

Spec Sheet Description
Front (engine end) fuel system kit.

Description
This kit relocates the fuel system connections from the rear (generator end) to the front (engine end) for gensets equipped with sound shields.

Benefits
Generator set installations requiring moving the location of the fuel system connection from the rear (generator end) to the front (engine end) can be accommodated by using this kit.

Compatibility

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<tr>
<td></td>
<td>MDKBV</td>
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Kit Includes
0541-1509
Fuel bracket, grommet (2), screws (2), instruction sheet.

Instruction Sheet
G-674
PART NUMBER
A026M935 Remote Fuel/Water Separator, 30 Micron

Spec Sheet Description
Remote fuel filter/water separator assembly.

Description
USCG-approved, secondary fuel filter/water separator—a complete filter assembly with 1/4-in NPT connections for fuel inlet and outlet. Also includes a separate mounting bracket and reducer fittings for 1/8-inch NPT internal thread connections.

Benefits
This filter can be remote mounted at a convenient location for ease of service and accessibility for operator convenience. The filter element has a nominal rating of 30 micron.

Service
The replacement service part no. is 149-1914-01.

Compatibility
This kit is for use with:
MDKBH/J/K/L/M/N
MDKBP/R/T/U/V/W

Kit Includes
Fuel filter and mounting head assembly, mounting bracket, 1/8 NPT elbow and reducer bushing (two of 1/4 x 1/8 NPT).

Instruction Sheet
None
PART NUMBER
0541-1158-01 Auxiliary Electric Fuel Pump 12 V
0541-1158-02 Auxiliary Electric Fuel Pump 24 V

Spec Sheet Description
Electric fuel transfer pump for increased fuel lift capability.

Description
12 or 24 V electric fuel pump mounts on genset.

Benefits
These kits are for applications that need extra lift capability. The engine comes standard with a mechanical fuel transfer pump that has a lift capability of 8 in Hg (27 kPa). These electric pumps increase the fuel lift capability to 18 in Hg (60 kPa).

Compatibility
These kits are for use with MDDCA/B/C/D/E/F/G/H/J/K.

Kit Includes
Electric pump, bracket, hose, mounting hardware and instruction sheet.

Instruction Sheet
G-644
PART NUMBER
A029E631 Cruise Kit
0100-3478-XX Cruise Kit
0541-1529-XX Cruise Kit

The cruise kits provide all the necessary and essential generator maintenance and service parts boaters need for worry-free voyages. Enjoy peace-of-mind by having the parts on hand for routine maintenance. Included in the cruise kits are the following parts:

- Oil filter – 2 units
- Oil filter wrench – 1 unit*
- Fuel filter – 2 units
- Sea water pump impeller kit – 2 units
- V-belt – 1 unit
- Zinc pencil – 2 units**
- Convenient plastic carrying case
- Laminated marine service & maintenance schedule***

* For MDKBJ/W only
** For MDKBH and MDKBJ/W zinc pencil is not required and not included
*** For current models only

Current Models | Accessory Part #
--- | ---
MDKBH | 0100-3478-58
MDKBJ/W | A029E631
MDKBK/L/M/N | 0100-3478-52
MDKBP, MDKBR (12 V Negative Ground Spec D & up) | 100-3478-61
MDKBP, MDKBR (24 V Negative Ground Spec D & up) | 100-3478-62
MDKBP, MDKBR (Isolated Ground Spec D & up) | 100-3478-63
MDKBV (12 V Negative Ground) | 100-3478-61
MDKBV (24 V Negative Ground) | 100-3478-62
MDKBV (Isolated Ground) | 100-3478-63
MDKBT/U | 0100-3478-60
MDDCA/B/C/F/G/K | 0541-1529-51
MDDCD/E/H/J | 0541-1529-52
PART NUMBER
0525-0736-01 Paint, Cloud White (12 oz. spray can)

Spec Sheet Description
Not listed on spec sheet.

Description
Cloud white paint.

Benefits
These kits are used for touchup or rework of sound enclosure panels.

Compatibility
These parts are for use with all QD Series generator sets.

Kit Includes
0525-0736-01 includes 12 oz. pressurized spray can.

Instruction Sheet
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<td>Front (Engine End) Exhaust Outlet Kit</td>
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<td>PTO Sound Shield “C” Front Panel</td>
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<td>Rear (Generator End) Raw Water Inlet Kit</td>
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<td>Cruise Kit</td>
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<td>Water–Exhaust Separator (2.5 in O.D. inlet x 2.0 in O.D. outlet)</td>
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