

# Catalogue

**WÄRTSILÄ** **D620**

12TBD620





| <b>Document</b> | <b>Catalogue</b> |
|-----------------|------------------|
|-----------------|------------------|

|                    |          |
|--------------------|----------|
| <b>Engine type</b> | 12TBD620 |
|--------------------|----------|

|                   |  |
|-------------------|--|
| <b>Engine no.</b> |  |
|-------------------|--|

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# Introduction

The Spare Parts Catalogue provides the necessary information for ordering parts.

## Arrangement of Catalogue

The Spare Parts Catalogue is composed of:

- Drawings (Bild-Tafel) with item numbers (Fig. No)
- Parts lists showing the item number (Fig. No), part number, denomination and quantity per (sub-) assembly of each part.

## Ordering Parts

When ordering parts please include the following information:

### Installation Data:

- Engine Number (see name plate of the engine)
- Engine Type
- Name of ship or Installation

### Parts Data:

- Part Number and Description
- Number of Illustration (Bild-Tafel)
- Serial (unique) Number of the Part (if available)
- Quantity of required parts

### Shipment Data:

- Invoicing Address
- Forwarding Address
- Type of Shipment

The supply of spares is subject to our General Terms and Conditions for the sales of Spare Parts.

## Ordering Address

The parts required should be ordered direct from Wärtsilä Nederland or from one of the service stations, workshops and ship repair centres that form our service network in 60 countries worldwide.

Wärtsilä Netherlands B.V.  
P.O. Box 10608, 8000 GB Zwolle  
Office: Hanzelaan 95, 8017 JE Zwolle  
The Netherlands  
Tel. +31 38 425 32 53 (24 hrs)  
Fax +31 38 422 35 64  
service.sales.nl@wartsila.com



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| <b>ETL</b>              | <b>Designation</b>     |
|-------------------------|------------------------|
| <b>Constr. Group 01</b> |                        |
| 01-0508 1393            | Crankcase end cover    |
| 01-0508 1398            | Engine mounting        |
| 01-0508 5021            | TDC pointer            |
| 01-0508 5033            | Cover                  |
| 01-0508 5064            | Cover                  |
| 01-0508 5099            | Cover                  |
| 01-0508 5158            | Disch.drain pipe       |
| 01-0508 5161            | Piston cooling         |
| 01-0508 5248            | Crankcase              |
| 01-0508 5429            | Cover                  |
| 01-0508 5547            | Crankcase breather     |
| 01-0508 5548            | Crankcase breather     |
| 01-0508 5767            | Cover                  |
| <b>Constr. Group 02</b> |                        |
| 02-0508 5326            | Oil pan                |
| 02-0508 5500            | Dipstick               |
| <b>Constr. Group 05</b> |                        |
| 05-0508 0852            | Starter ring gear      |
| 05-0508 4062            | Accessories            |
| 05-0508 5000            | Flywheel flange        |
| 05-0508 5004            | Crankshaft accessories |
| 05-0508 5005            | Crankshaft accessories |
| 05-0508 5006            | Main bearing           |
| 05-0508 5160            | Flywheel               |
| 05-0508-5250            | Crankshaft             |
| <b>Constr. Group 06</b> |                        |
| 06-0508 5083            | Big end bearing        |
| 06-0508 5400            | Connecting rod         |
| <b>Constr. Group 07</b> |                        |
| 07-0508 5217            | Piston                 |
| <b>Constr. Group 08</b> |                        |
| 08-0508 2115            | Regulator              |
| 08-0508 3718            | Control                |
| 08-0508 4310            | Plug                   |
| 08-0508 5062            | Installation parts     |
| 08-0508 5446            | Valve mech.cover       |
| 08-0508 5575            | Cylinder head          |

| ETL                     | Designation          |
|-------------------------|----------------------|
| <b>Constr. Group 09</b> |                      |
| 09-0508 5022            | Crankcase end cover  |
| 09-0508 5050            | Idler gear           |
| 09-0508 5056            | Idler bearing        |
| 09-0508 5058            | Idler gear           |
| 09-0508 5086            | Toothed gear         |
| 09-0508 5091            | Toothed gear         |
| <b>Constr. Group 10</b> |                      |
| 10-0508 5057            | Support              |
| 10-0508 5087            | Toothed gear         |
| 10-0508 5088            | Fastenings           |
| 10-0508 5123            | Camshaft             |
| <b>Constr. Group 11</b> |                      |
| 11-0508 5092            | Valve drive          |
| <b>Constr. Group 14</b> |                      |
| 14-0508 2121            | Installation parts   |
| 14-0508 5415            | Lubrication oil pump |
| <b>Constr. Group 15</b> |                      |
| 15-0508 5036            | Oil filter           |
| 15-0508 5045            | Bracket              |
| 15-0508 5046            | Bracket              |
| 15-0508 5053            | Blank flange         |
| 15-0508 5067            | Oil centrifuge       |
| 15-0508 5139            | Oil cooler           |
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| 16-0508 5001            | Oil drain pipe       |
| 16-0508 5015            | Oil pipe             |
| 16-0508 5042            | Manifold             |
| 16-0508 5051            | Oil line             |
| 16-0508 5052            | Oil line             |
| 16-0508 5077            | Oil line             |
| 16-0508 5078            | Oil line             |
| 16-0508 5093            | Oil line             |
| 16-0508 5129            | Inlet pipe           |
| 16-0508 5178            | Oil pipe             |
| 16-0508 5324            | Oil line             |
| 16-0508 5325            | Press relief valve   |
| 16-0508 5370            | Flange               |
| 16-0508 5520            | Oil line             |
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| <b>Constr. Group 17</b> |                      |
| 17-0508 1246            | Indicator            |
| 17-0508 2218            | Fastenings           |
| 17-0508 2586            | Cover                |
| 17-0508 4168            | Fuel Inject.pump     |



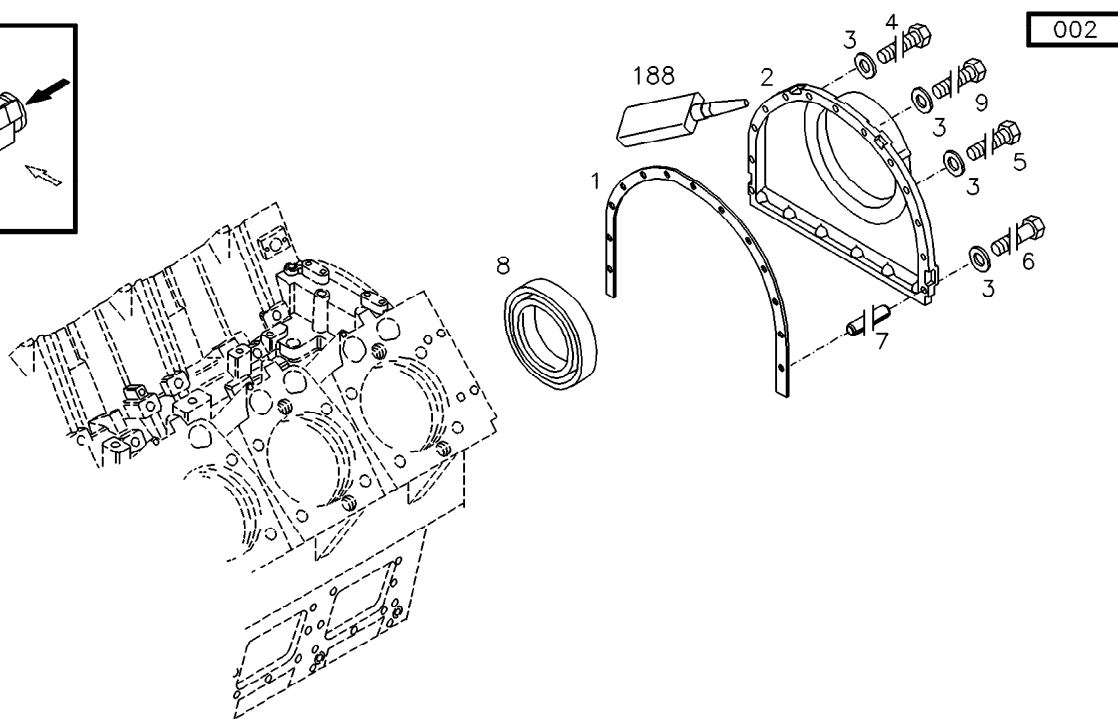
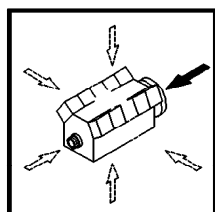
| ETL                     | Designation         |
|-------------------------|---------------------|
| <b>Constr. Group 18</b> |                     |
| 18-0508 5314            | Inject.pump drive   |
| <b>Constr. Group 19</b> |                     |
| 19-0508 2165            | Clamping yoke       |
| 19-0508 2166            | Installation parts  |
| 19-0508 5094            | Fuel injector       |
| <b>Constr. Group 20</b> |                     |
| 20-0508 5136            | Fuel pump           |
| 20-0508 5512            | Fastenings          |
| 20-0508 5554            | Fuel filter         |
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| 21-0508 5177            | High pressure pipe  |
| 21-0508 5348            | Fuel line           |
| 21-0508 5517            | Manifold            |
| 21-0508 5518            | Distributor panel   |
| 21-0508 5523            | Fuel line           |
| 21-0508 5524            | Fuel line           |
| 21-0508 5528            | Fuel pump           |
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| 34-0508 5137            | Vibration damper    |
| <b>Constr. Group 36</b> |                     |
| 36-0508 5103A           | Stack. Plate cooler |
| 36-0508 5345            | Bracket             |
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| 37-0508 5411            | Raw water pump      |
| 37-0508 5412            | Cooling water pump  |
| 37-0508 5445            | Breather line       |

| ETL                     | Designation        |
|-------------------------|--------------------|
| <b>Constr. Group 38</b> |                    |
| 38-0508 2417            | Breather line      |
| 38-0508 5031            | Accessories        |
| 38-0508 5047            | Cooling water line |
| 38-0508 5081            | Raw water line     |
| 38-0508 5095            | Cooling water line |
| 38-0508 5096            | Cooling water line |
| 38-0508 5097            | Cooling water line |
| 38-0508 5105            | Bracket            |
| 38-0508 5149            | Cooling water line |
| 38-0508 5159            | Raw water line     |
| 38-0508 5173            | Raw water line     |
| 38-0508 5226            | Cooling water line |
| 38-0508 5261            | Raw water line     |
| 38-0508 5335            | Temp.controller    |
| 38-0508 5349            | Raw water line     |
| 38-0508 5504            | Raw water line     |
| 38-0508 5553            | Drain pipe         |
| 38-0508 5733            | Cover              |
| <b>Constr. Group 41</b> |                    |
| 41-0508 3244            | Exhaust manifold   |
| 41-0508 4036            | Exhaust manifold   |
| 41-0508 4037            | Exhaust manifold   |
| 41-0508 4143            | Compensator        |
| 41-0508 5431            | Sheeting           |
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| 43-0508 3286            | Accessories        |
| 43-0508 5194            | Turbocharger       |
| <b>Constr. Group 44</b> |                    |
| 44-0505 0426            | Generator          |
| 44-0508 5138            | Bracket            |
| 44-0508 5285A           | Air starter        |
| 44-0508 5355            | Air starter        |
| 44-0508 5507            | Drive              |
| <b>Constr. Group 46</b> |                    |
| 46-0508 5513            | Claw               |
| <b>Constr. Group 57</b> |                    |
| 57-0508 5289            | Protection         |

| ETL                     | Designation       |
|-------------------------|-------------------|
| <b>Constr. Group 58</b> |                   |
| 58-0508 2324            | Radiator bracket  |
| 58-0508 3248            | Cover             |
| 58-0508 4401            | Charge air cooler |
| 58-0508 5018            | Radiator bracket  |
| 58-0508 5145            | Cover             |
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| 58-0508 5199            | Breather line     |
| 58-0508 5390            | Fastenings        |
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| 69-0508 9697            | Turn-over gear    |
| <b>Constr. Group 87</b> |                   |
| 87-0508 2252            | Cover             |
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| 87-0508 2951            | Air guidance      |
| 87-0508 3028            | Charge Air pipe   |
| 87-0508 5130            | Intake manifold   |
| <b>Constr. Group 90</b> |                   |
| 90-0508 5943            | Bracket           |



ETL no.: 0508 1393 Crankc. end cover

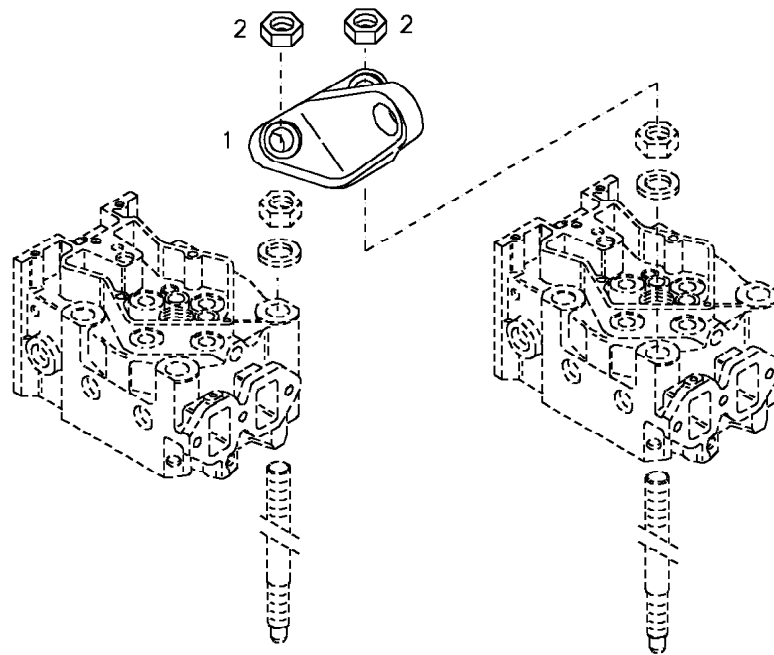
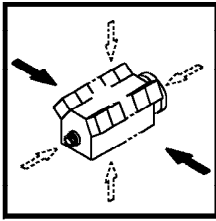


0508 1393

| Item | Material | MS | VS | Quantity | Unit | Ord | Designation (en)   | Designation (en)   | Remark |
|------|----------|----|----|----------|------|-----|--------------------|--------------------|--------|
| 1    | 12028085 |    |    | 1        | ST   |     | Gasket             | Gasket             |        |
| 2    | 12027708 |    |    | 1        | ST   |     | Crankc. end cover  | Crankc. end cover  |        |
| 3    | 01151019 | 90 | 90 | 12       | ST   |     | Plain washer       | Plain washer       |        |
| 4    | 01137083 | 20 | 20 | 3        | ST   |     | Hexagon bolt       | Hexagon bolt       |        |
| 5    | 01112333 | 20 | 20 | 6        | ST   |     | Hexagon bolt       | Hexagon bolt       |        |
| 6    | 01111156 |    |    | 2        | ST   |     | Hexagon bolt       | Hexagon bolt       |        |
| 7    | 01176661 |    |    | 2        | ST   |     | Straight pin       | Straight pin       |        |
| 8    | 12029427 |    |    | 1        | ST   |     | Rot.shaft lip seal | Rot.shaft lip seal |        |
| 9    | 01112339 | 20 | 20 | 2        | ST   |     | Hexagon bolt       | Hexagon bolt       |        |
| 188  | 01016122 | 20 | 20 | 1        | KG   |     | Packing compound   | Packing compound   |        |

## ETL no.: 0508 1398 Engine mounting

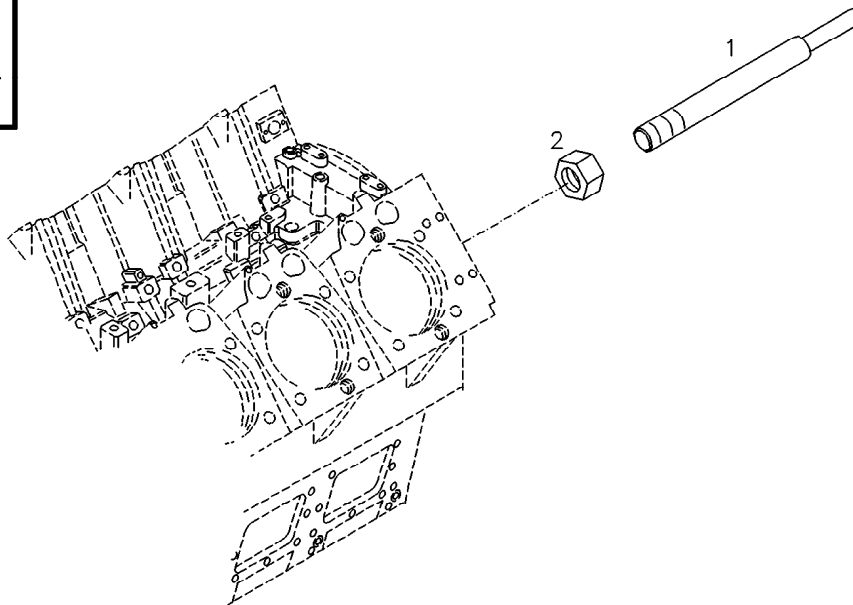
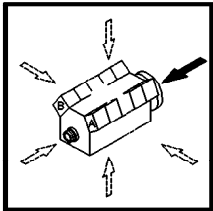
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| Item | Material | MS VS | Quantity | UnitOrd | Designation (en) | Designation (en) | Remark |
|------|----------|-------|----------|---------|------------------|------------------|--------|
| 1    | 12047245 | 1     | ST       |         | Engine mounting  | Engine mounting  |        |
| 2    | 01113200 | 2     | ST       |         | Hexagon nut      | Hexagon nut      |        |

ETL no.: 0508 5021 Tdc-pointer

002



0508 5021

| Item | Material | MS | VS | Quantity | Unit | Ord | Designation (en) | Designation (en) | Remark |
|------|----------|----|----|----------|------|-----|------------------|------------------|--------|
| 1    | 12302197 |    |    | 1        |      | ST  | Tdc-pointer      | Tdc-pointer      |        |
| 2    | 01139401 | 20 | 20 | 1        |      | ST  | Hexagon nut      | Hexagon nut      |        |