

# Spare Parts Catalogue

Document ID

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Installation

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Engine type **DEUTZ TBD616V16**

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Engine number

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Project

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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 Netherlands B.V. 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



**Equipment:** V16 TBD616      **Engine type** TBD616V16

<b>CG</b>	<b>ETL-No.</b>	<b>Designation</b>
<b>1</b>		<b>Crankcase</b>
1	05094789	Crankcase
1	05094815	Locating bearing
1	05095358	Main bearing
<b>2</b>		<b>Oil pan</b>
2	05095008	Oil filler neck
2	05095183	Oil pan
<b>5</b>		<b>Crankshaft</b>
5	05094865	Flywheel
5	05095619	Crankshaft
<b>6</b>		<b>Connecting rod</b>
6	05094762	Connecting rod
<b>7</b>		<b>Piston</b>
7	05094763	Piston
<b>8</b>		<b>Cylinder head</b>
8	05094785	Valve mechan.cover
8	05094980	Cylinder head
<b>9</b>		<b>Timing chest</b>
9	05094780	Idler gear
9	05094847	Gearcase
9	05094859	Crankc. end cover
<b>10</b>		<b>Camshaft</b>
10	05094779	Camshaft
<b>11</b>		<b>Timing gears</b>
11	05094979	Valve drive
11	05095017	Actuat. mechanism
<b>14</b>		<b>Lube oil pump</b>
14	05095241	Lubricat. oil pump
14	05095242	Lubr.oil suc.pipe
14	05095284	Gear.oil feed pump
<b>15</b>		<b>Lube oil/-cooler</b>
15	05094808	Oil cooler
15	05095011	Lubric. oil filter
15	05095425	Oil centrifuge
<b>16</b>		<b>Oil pipes</b>
16	05094863	Lubricat. oil line
16	05095285	Oil suction line

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<b>CG</b>	<b>ETL-No.</b>	<b>Designation</b>
<b>17</b>		<b>Injection pump</b>
17	05091518	Control rod
17	05095096	Fastenings
17	05095350	Fuel inject. pump
17	05095351	Fuel inject. pump
17	05095443	Fuel supply pump
17	05095490	Parts inject.pump
17	05095491	Parts inject.pump
17	05095493	Parts of governor
17	05095496	Parts of governor
<b>18</b>		<b>Injection pump drive</b>
18	05094817	Inject. pump drive
18	05094941	Denture clutch
18	05095682	Denture clutch
<b>19</b>		<b>Injector</b>
19	05095010	Fuel injector
<b>20</b>		<b>Fuel filter</b>
20	05090635	Fuel duplex filter
20	05095048	Fuel supply pump
20	05095176	Bracket
<b>21</b>		<b>Fuel pipes/fuel tank</b>
21	05082104	Hose assembly
21	05094896	High pressure pipe
21	05095063	Pipe/line/lead
21	05095243	Fuel line
21	05096001	Pipe/line/lead
<b>22</b>		<b>Suction pipe/air cleaner</b>
22	05094819	Intake manifold
22	05095061	Air filter
22	05095231	Bracket
<b>27</b>		<b>Speed control</b>
27	05095505	Engine speed contr
<b>34</b>		<b>Vibration damper</b>
34	05095016	Vibration damper
<b>36</b>		<b>Water cooler</b>
36	05095129	Expansion tank



**Equipment:** V16 TBD616      **Engine type** TBD616V16

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>
<b>37</b>		<b>Cooling water pump</b>
37	05094949	Housing/case
37	05094984	Cooling water pump
37	05095004	Accessories
37	05095005	Accessories
37	05095053	Idler gear
37	05095395	Centrifugal pump
<b>38</b>		<b>Water pipes</b>
38	05082416	Compensator
38	05082505	Compensator
38	05092788	Hose assembly
38	05094943	Coolant pipe
38	05094996	Singl.circ.cooling
38	05095050	Coolant pipe
38	05095051	Coolant pipe
38	05095114	Coolant pipe
38	05095695	Compensator
38	05095711	Compensator
<b>41</b>		<b>Exhaust manifold</b>
41	05095112	Bracket
41	05095118	Compensator
41	05095504	Exhaust gas band
41	05095598	Exhaust pipe
<b>43</b>		<b>Turbocharger</b>
43	05094956	Accessories
43	05095400	Turbocharger
<b>44</b>		<b>Alternator/starter motor</b>
44	05029457	Parts of alternat.
44	05050426	Generator
44	05090680	Starter
44	05094942	Generator
44	05095073	Generator mounting
44	05096707	Starter
<b>46</b>		<b>Engine mounting, rigid</b>
46	05095060	Engine mounting
46	05095110	Bracket
46	05095111	Engine mounting
<b>47</b>		<b>Engine mounting, flexibl</b>
47	05095245	Silentbloc

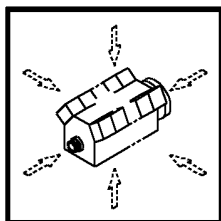
**Equipment:** V16 TBD616      **Engine type** TBD616V16

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>
<b>48</b>		<b>Electrical accessories</b>
48	05083752	Switch mounting
48	05092484	Connecting cable
48	05094310	Monitoring
48	05094588	Press. transformer
48	05094922	Tin/box
48	05095219	Resist.thermometer
48	05095220	Resist.thermometer
48	05095222	Thermocouple
48	05095232	Press. transformer
48	05095312	Cabling
48	05095430	Cabling
48	05095431	Cabling
48	05095440	Level switch
48	05095453	Terminal box
48	05095545	Cabling
48	05095730	Set of wiring
48	05095815	Terminal box
48	05095924	Tacho-generator
<b>49</b>		<b>Tools</b>
49	05095900	Toolkit
<b>52</b>		<b>Clutch</b>
52	05094810	Flywheel housing
<b>56</b>		<b>Engine shutdown</b>
56	05090742	Cabling
56	05091498	Solenoid
56	05095068	Shutdown device
56	05095244	Solenoid valve
56	05095430	Cabling
<b>58</b>		<b>Intercooler</b>
58	05095026	Cooler assembly
<b>80</b>		
<b>90</b>		<b>Set of parts</b>
90	05095367	Gasket set
90	05095369	Gasket set
90	05095370	Gasket set
90	05095371	Gasket set
90	05095587	Gasket set
90	05095592	Gasket set
<b>96</b>		<b>Flexible tubing, various</b>

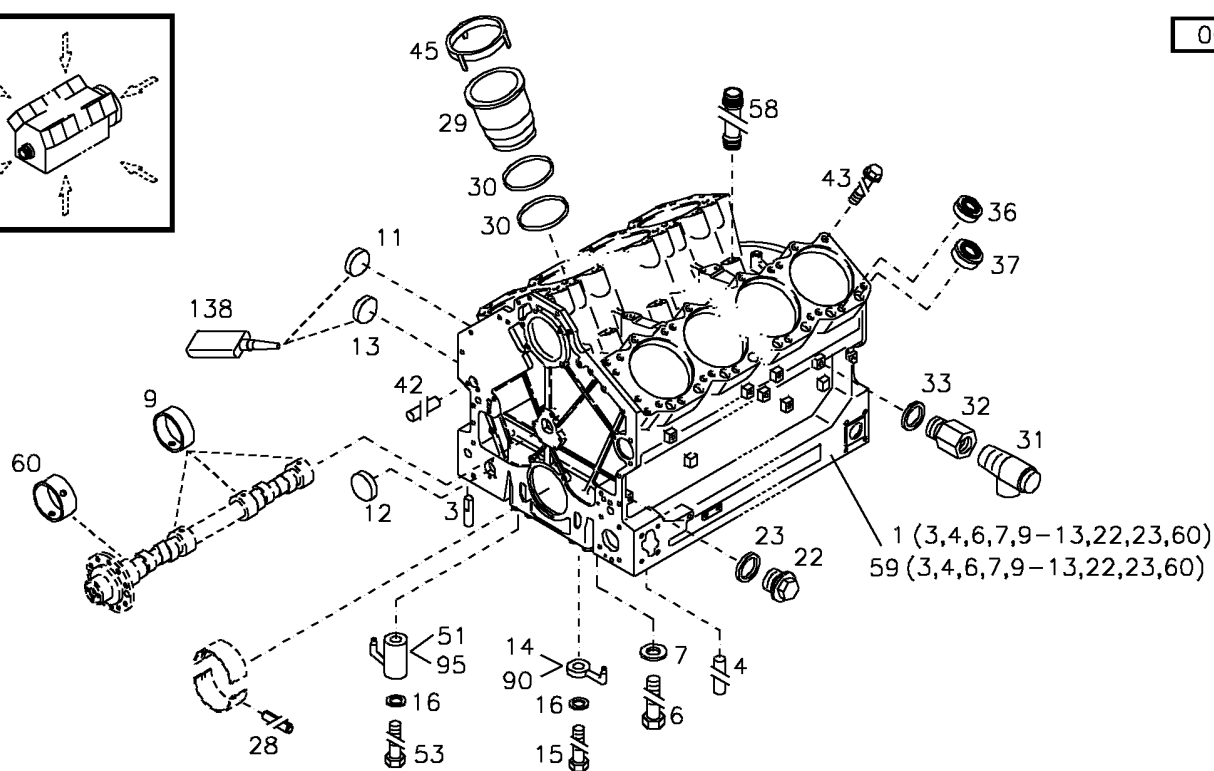
**Equipment:** V16 TBD616      **Engine type** TBD616V16

<b>CG</b>	<b>ETL-No.</b>	<b>Designation (en)</b>
<b>98</b>		<b>Optional extras</b>
98	05605410	List of extras



**ETL no.: 05094789 Crankcase**
**Constr. Group: 1**
**Equipment: V16 TBD616**
**Engine type: TBD616V16**


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Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
1	12277265	1	ST	Crankcase	WITH ITEM.... (3,4,6,7,9-13,22,23,60) MIT KLASSE-ABNAHME
3	12160931	9	ST	Pin	
4	12160932	9	ST	Pin	
6	01153796	36	ST	Hexagon bolt	
7	01154443	36	ST	Plain washer	
9	12200055	8	ST	Bearing bush	
11	01144676	18	ST	Cover	
12	01152717	1	ST	Cover	
13	01152710	3	ST	Cover	
14	12277184	8	ST	Nozzle	FÜR ALLE MOTOR-NR. ... BIS AUF SIEHE POS.: 90 FOR ALL ENGINE SER. NOS. EXCEPT FOR ITEM : 90 POUR TOUS LES N. MOTEUR JUSQU'A VOIR POSTE : 90 PARA TODOS LOS NOS. DE MOTOR, MENOS VER POS : 90
15	01111151	8	ST	Hexagon bolt	
16	01107281	16	ST	Spring washer	
22	01118955	2	ST	Screw plug	
23	01118681	2	ST	Sealing ring	
28	01115413	9	ST	Straight pin	
29	12275301	16	ST	Cylinder liner	
30	01153816	32	ST	O-seal	
31	12188643	1	ST	Drain valve	

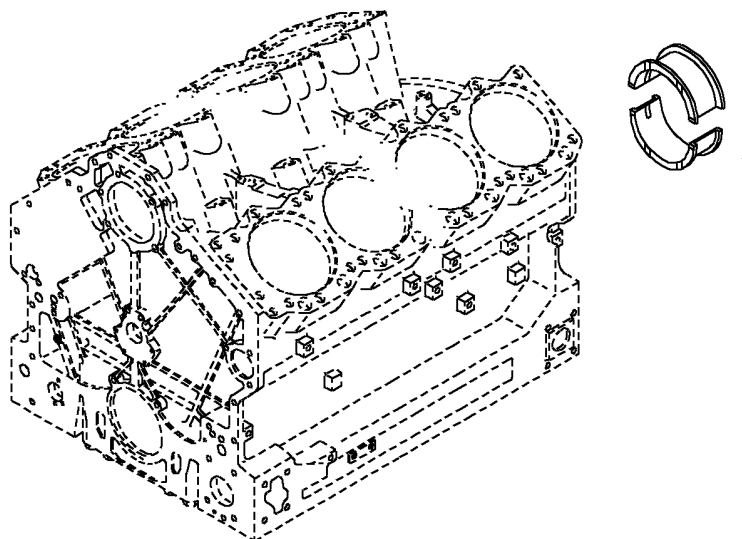
**ETL no.: 05094789 Crankcase**
**Constr. Group: 1**
**Equipment: V16 TBD 616**
**Engine type: TBD616V16**

Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
32	12161138	1	ST	Screw connector	
33	01118688	1	ST	Sealing ring	
36	12313401	32	ST	Gasket	
37	12313400	32	ST	Gasket	
42	01105181	4	ST	Parallel pin	
43	12163212	64	ST	Hexagon bolt	
45	12275302	16	ST	Sealing ring	
51	12312130	8	ST	Nozzle	FÜR ALLE MOTOR-NR. ... BIS AUF SIEHE POS.: 95 FOR ALL ENGINESER. NOS. EXCEPT FOR ITEM : 95 POUR TOUS LES N. MOTEUR JUSQU'A VOIR POSTE : 95 PARA TODOS LOS NOS. DE MOTOR, MENOS VER POS : 95
53	01111216	8	ST	Hexagon bolt	
58	12276145	32	ST	Protecting tube	
59	12277751	1	ST	Crankcase	WITH ITEM.... (3,4,6,7,9-13,22,23,60) OHNE KLASSE-ABNAHME
60	12190961	1	ST	Bearing bush	
90	12317313	8	ST	Nozzle	FOR ENGINE SERIAL NO. 2203382 2203443 2203383 2203444 2203416 2203445 2203422 2203449 2203423 2203453 2203427 2203458 2203428 2203474 2203430 2203475 2203434 2203532 2203435 2203534 2203436 2203550 2203437 2203551
95	12317315	8	ST	Nozzle	FOR ENGINE SERIAL NO. 2203382 2203443 2203383 2203444 2203416 2203445 2203422 2203449 2203423 2203453 2203427 2203458 2203428 2203474 2203430 2203475 2203434 2203532 2203435 2203534 2203436 2203550 2203437 2203551
138	01004100	1	ST	Safety/lock.agent	

**ETL no.: 05094815 Locating bearing**
**Constr. Group: 1**
**Equipment:** V16 TBD 616

**Engine type:** TBD616V16

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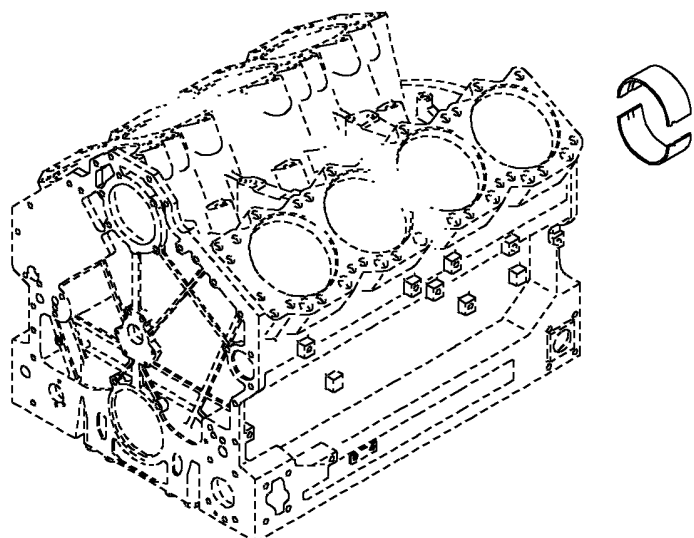


Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
1	12276203	1	ST	Locating bearing	

**ETL no.: 05095358 Main bearing**
**Constr. Group: 1**
**Equipment:** V16 TBD 616

**Engine type:** TBD616V16

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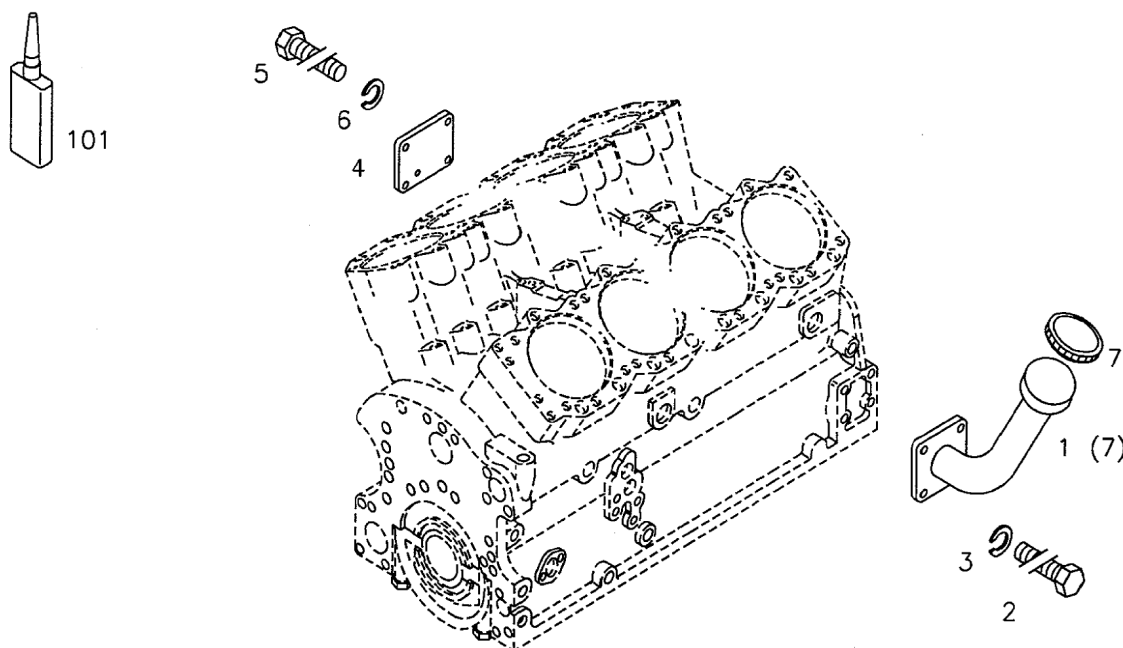
Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
1	12312137	1	ST	Main bearing	



**ETL no.: 05095008 Oil filler neck**
**Constr. Group: 2**
**Equipment:** V16 TBD 616

**Engine type:** TBD616V16

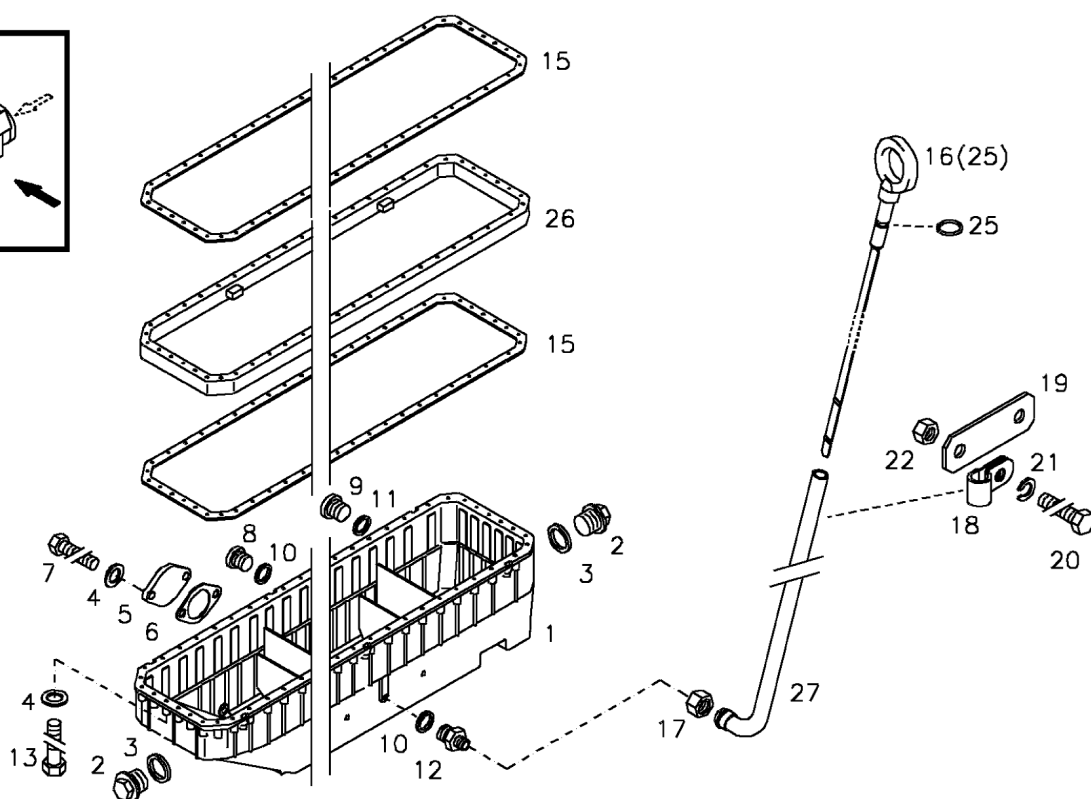
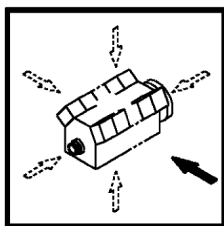
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0509 5008

Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
1	12276745	1	ST	Oil filler neck	WITH ITEM.... (7)
2	01112416	4	ST	Hexagon bolt	
3	01178365	4	ST	Spring lock washer	
4	12276829	1	ST	Flange	
5	01152414	4	ST	Hexagon bolt	
6	12151279	4	ST	Lock washer	
7	01211794	1	ST	Cover	
101	01008383	1	ST	Packing compound	

**ETL no.: 05095183 Oil pan**
**Equipment:** V16 TBD 616

**Constr. Group: 2**
**Engine type:** TBD616V16


Item	Partno	Quantity	UnitOrd	Designation (en)	Remark
1	12277472	1	ST	Oil pan	
2	01118971	3	ST	Screw plug	
3	01118718	3	ST	Sealing ring	
4	01107281	54	ST	Spring washer	
5	01211342	1	ST	Oval flange	
6	01154016	1	ST	Gasket	
7	01137083	2	ST	Hexagon bolt	
8	01124758	1	ST	Screw plug	
9	01151441	2	ST	Screw plug	
10	01118700	4	ST	Sealing ring	
11	01118713	2	ST	Sealing ring	
12	01119144	1	ST	Socket/adaptor	
13	01151538	52	ST	Hexagon bolt	
15	12276602	2	ST	Shaped packing	
16	12277514	1	ST	Dipstick	WITH ITEM.... (25)
17	01119047	1	ST	Union nut	
18	12151716	1	ST	Pipe clamp	
19	12161573	1	ST	Connecting plate	
20	01104978	1	ST	Hexagon bolt	
21	01177981	2	ST	Spring lock washer	
22	01122477	1	ST	Hexagon nut	
25	01165973	1	ST	O-seal	
26	12276990	1	ST	Interm.flange	