



# Spare Parts Catalog

BF 4M1012E s/n 178569

**Equipment information**

**Equipment:** 00000178569  
**Type:** BF 4M1012E  
**Output:** 0000066,0 kW  
**Speed:** 2500 1/min  
**Build date:** 03.12.1996  
**KLU-Number:**  
**ETL scope:** EU249308  
**MVS:** 042

**Customer:** Hamm AG  
**Location:** Tirschenreuth  
**Country:** Germany

**VKU date:** 03.12.1996  
**VKU' date:**  
**Commissioning date:**  
**Begin of guarantee period:**  
**Man. begin of guar. period:** no  
**End of guarantee period:**  
**ID maintenance contract:**  
**ID insurance contract:**  
**Guarantee package:**

## Assembly group directory

<b>Equipment:</b>	00000178569	<b>Engine type:</b>	BF 4M1012E
<b>Output:</b>	0000066,0 kW	<b>Speed:</b>	2500 1/min
<b>ETL scope:</b>	EU249308		

CG	ETL-No.	Designation (en)	Designation (fr)
<b>1</b>		<b>Crankcase</b>	
1	0507 0065	Oil gauge	Jauge d'huile
1	0507 0148	Piston cool.nozzle	Gicleur d.refroid.
1	0507 0165	Oil filler neck	Tubulure rempliss.
1	0507 0272	Fastenings	Pieces de fixat.
1	0507 0342	Breather line	Conduite de desaer
1	0507 1020	Dipstick	Jauge d.profondeur
1	0507 1462	Front cover	Couvercle av
1	0507 1688	Blanking parts	Obturateurs
1	0507 1734	Crankcase	Carter
1	0507 1876	Crankcase breather	Reniflard
<b>2</b>		<b>Oil pan</b>	
2	0507 0162	Oil pan	Carter a huile
<b>5</b>		<b>Crankshaft</b>	
5	0507 0074	Vibration damper	Amort.vibrations
5	0507 0388	V-grooved pulley	Poulie a gorge
5	0507 0429	Flywheel	Volant
5	0507 0467	Fastenings	Pieces de fixat.
5	0507 1033	V-belt pulley assy	Mont.poulie courr
5	0507 2148	Crankshaft	Vilebrequin
<b>6</b>		<b>Connecting rod</b>	
6	0507 0002	Connecting rod	Bielle
<b>7</b>		<b>Piston</b>	
7	0507 0001	Piston	Piston
<b>8</b>		<b>Cylinder head</b>	
8	0507 0003	Cylinder head	Culasse
8	0507 0004	Fastenings	Pieces de fixat.
8	0507 0164	Engine mounting	Suspension moteur
8	0507 0427	Valve mechan.cover	Capot de culbuteur
<b>9</b>		<b>Timing chest</b>	
9	0507 1332	Gearcase	Boite d'engrenages
<b>10</b>		<b>Camshaft</b>	
10	0507 1747	Camshaft	Arbre a cames
<b>11</b>		<b>Timing gears</b>	
11	0507 0005	Rocker arm bracket	Support de l'axe
11	0507 0007	Valve drive	Pieces distribut
<b>15</b>		<b>Lube oil/-cooler</b>	
15	0503 7734	Filter cartridge	Cartouche filtrant
15	0507 0072	Blanking parts	Obturateurs
15	0507 1453	Fastenings	Pieces de fixat.
15	0507 1456	Fastenings	Pieces de fixat.
15	0507 1457	Oil cooler box	Boitier d.refriger
15	0507 1458	Oil cooler	Refroidisseur
<b>16</b>		<b>Oil pipes</b>	
16	0507 0503	Oil suction pipe	Tubulure d'aspirat
<b>17</b>		<b>Injection pump</b>	
17	0507 0528	Roller tappet	Poussoir a galet
17	0507 1245	Fastenings	Pieces de fixat.
17	0507 1777	Fuel inject. pump	Pompe d'injection

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CG	ETL-No.	Designation (en)	Designation (fr)
<b>19</b>		<b>Injector</b>	
19	0507 0015	Fastenings	Pieces de fixat.
19	0507 0146	Fuel injector	Porte-injecteur
<b>20</b>		<b>Fuel filter</b>	
20	0507 1031	Fastenings	Pieces de fixat.
20	0507 1680	Fuel pump	Pompe a combust
20	0507 1791	Spin-on filter	Filtre a vissee
<b>21</b>		<b>Fuel pipes/fuel tank</b>	
21	0507 0304	Overflow line	Conduite decharge
21	0507 1985	Fuel line	Conduite combust.
21	0507 2139	High pressure pipe	Tuyauterie
<b>22</b>		<b>Suction pipe/air cleaner</b>	
22	0507 0048	Plug	Piece a enficher
22	0507 0296	Charge air pipe	Tubulure d'air
22	0507 0297	Plug-in flange	Bride a emboiter
22	0507 1745	Cover	Couvercle
22	0507 1746	Cover	Couvercle
22	0507 1933	Manifold	Coude
<b>27</b>		<b>Speed control</b>	
27	0507 0014	Control rod	Tige de reglage
27	0507 0038	Idler gear	Roue intermediaire
27	0507 0039	Inlet manifold	Conduite d'air
27	0507 0040	Fastenings	Pieces de fixat.
27	0507 1787	Controller	Regulateur
<b>33</b>		<b>Air compressor</b>	
33	0507 0639	Narrow v-belt	Courr trap etroite
<b>37</b>		<b>Cooling water pump</b>	
37	0507 0539	Fastenings	Pieces de fixat.
37	0507 1034	Cooling water pump	Pompe d'eau refroi
37	0507 1037	Driving parts	Pieces d'entrainem
<b>38</b>		<b>Water pipes</b>	
38	0507 0450	Thermostat	Thermostat
38	0507 0462	Vent plug	Vis de purge d'air
38	0507 0763	Manifold	Coude
38	0507 1035	Hose connector	Raccord flexible
<b>39</b>		<b>Cooling air blower</b>	
39	0507 0551	Breather line	Conduite de desaer
39	0507 1038	Fan drive	Entrainem ventilat
39	0507 1174	Fan	Ventilateur
<b>41</b>		<b>Exhaust manifold</b>	
41	0507 0049	Exhaust pipe	Tubulure d'echapp.
<b>43</b>		<b>Turbocharger</b>	
43	0507 0055	Lubricat. oil line	Conduite a huile
43	0507 0057	Blanking parts	Obturateurs
43	0507 0060	Turbocharger	Turbocompresseur
43	0507 1027	Feed line	Conduit d'arr.
43	0507 1028	Screw-in nipple	Tubulure a vis
<b>44</b>		<b>Alternator/starter motor</b>	
44	0506 4405	Generator	Generatrice
44	0506 7020	Parts of alternat.	Pieces alternateur

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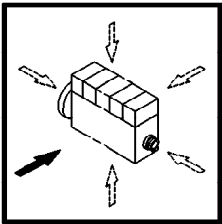
CG	ETL-No.	Designation (en)	Designation (fr)
44	0507 0121	Driving parts	Pieces d'entrainem
44	0507 0122	Accessories	Accessoires
44	0507 0157	Fastenings	Pieces de fixat.
44	0507 0158	Starter	Demarreur
<b>46</b>		<b>Engine mounting, rigid</b>	
46	0507 0258	Mounting foot	Pied de fixation
46	0507 1239	Accessories	Accessoires
46	0507 1490	Fastenings	Pieces de fixat.
46	0507 1491	Fastenings	Pieces de fixat.
46	0507 1493	Spacer	Entretoise
<b>47</b>		<b>Engine mounting, flexible</b>	
47	0507 1240	Accessories	Accessoires
<b>48</b>		<b>Electrical accessories</b>	
48	0507 0150	Oil pressur.switch	Mano-contacteur
<b>51</b>		<b>Measuring instruments</b>	
51	0507 1231	Temper.transmitter	Sonde thermique
<b>52</b>		<b>Clutch</b>	
52	0507 0032	Fastenings	Pieces de fixat.
52	0507 0175	Cover plate	Toile recouvrement
52	0507 1753	Connection housing	Carter adaptation
<b>56</b>		<b>Engine shutdown</b>	
56	0507 0260	Accessories	Accessoires
56	0507 1656	Shutdown device	Arret du moteur
<b>63</b>		<b>Starting aid</b>	
63	0507 0159	Blanking parts	Obturbateurs
<b>75</b>		<b>Heating system</b>	
75	0507 1162	Blanking parts	Obturbateurs
<b>83</b>		<b>Hydraulic pump</b>	
83	0502 9465	Blanking parts	Obturbateurs
83	0505 1844	Gasket	Garniture/joint
83	0507 0066	Blanking parts	Obturbateurs
83	0507 0190	Driving parts	Pieces d'entrainem
83	0507 1160	Blanking parts	Obturbateurs
<b>90</b>		<b>Set of parts</b>	
90	0507 0116	Narrow v-belt	Courr trap etroite
90	0507 0283	Cool.syst.protect.	Prot.syst.refroid.
90	0507 0904	Gasket set	Jeu de joints

ETL no.: 0507 0065 Oil gauge

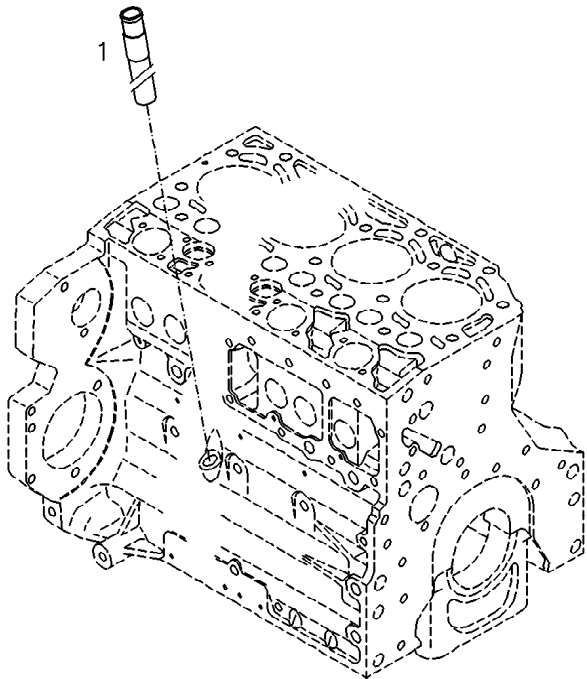
Constr. Group: 01

Equipment: 00000178569  
Output: 0000066,0 kW  
ETL scope: EU249308

Engine type: BF 4M1012E  
Speed: 2500 1/min



001

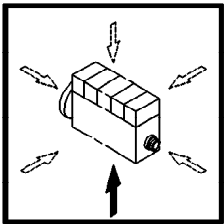


0507 0065

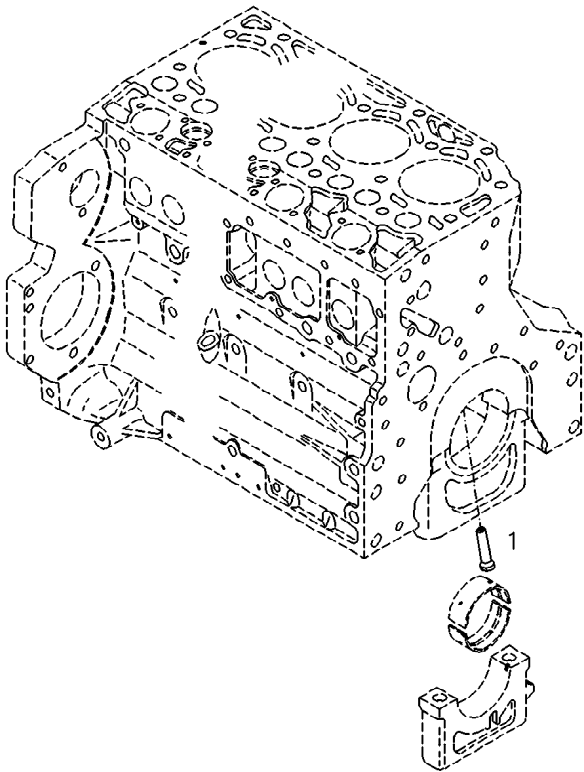
Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (fr)	Remark
1	04204550		90	90	1	ST		Guide tube	Tuyau de guidage	

ETL no.: 0507 0148    Piston cool.nozzle    Constr. Group: 01

Equipment:	00000178569	Engine type:	BF 4M1012E
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ETL scope:	EU249308		



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0507 0148

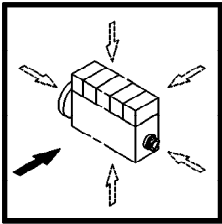
Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (fr)	Remark
1	04203968			1	ST		Piston cool.nozzle	Gicleur d.refroid.	

ETL no.: 0507 0165 Oil filler neck

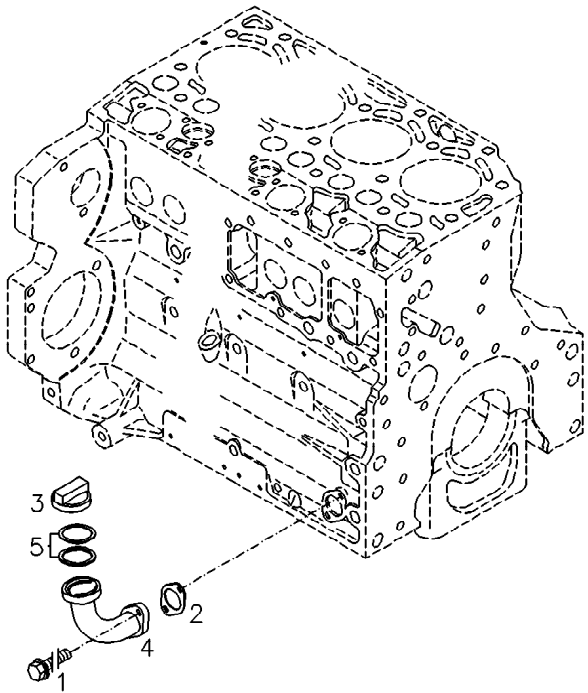
Constr. Group: 01

Equipment: 00000178569  
Output: 0000066,0 kW  
ETL scope: EU249308

Engine type: BF 4M1012E  
Speed: 2500 1/min



002



0507 0165

Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (fr)	Remark
1	01181433			2	ST		Hexagon bolt	Vis tete hexagonal	
2	01178421			1	ST		Gasket	Garniture/joint	
3	01181084	Kit !		1	ST		Filler cap	Bouchon de rempl	
4	04256255			1	ST		Oil filler neck	Tubulure rempliss.	
5	02931042			1	ST		Repair kit	Lot de reparation	

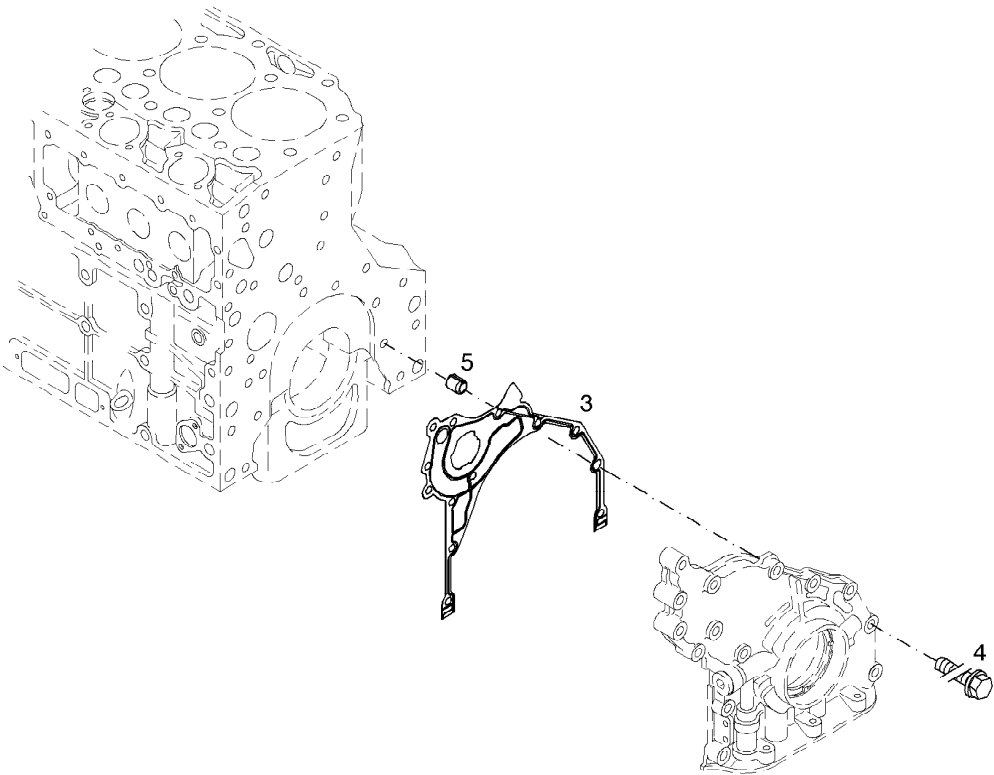
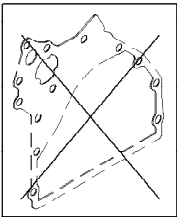
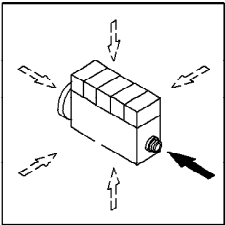


ETL no.: 0507 0272 Fastenings

Constr. Group: 01

Equipment: 00000178569  
Output: 0000066,0 kW  
ETL scope: EU249308

Engine type: BF 4M1012E  
Speed: 2500 1/min



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Item	Material	Kit	MS VS	Quant	Unit	Ord	Designation (en)	Designation (fr)	Remark
3	04504325		1	ST			Gasket	Garniture/joint	
4	01143362		13	ST			Hexagon bolt	Vis tete hexagonal	5 Nm, 30 Nm , attend Workshop Manual, Pap 5 Nm, 21 Nm , Papierdic htung 0425 9220
5	01181406		1	ST			Clamping bush	Douille de serrage	

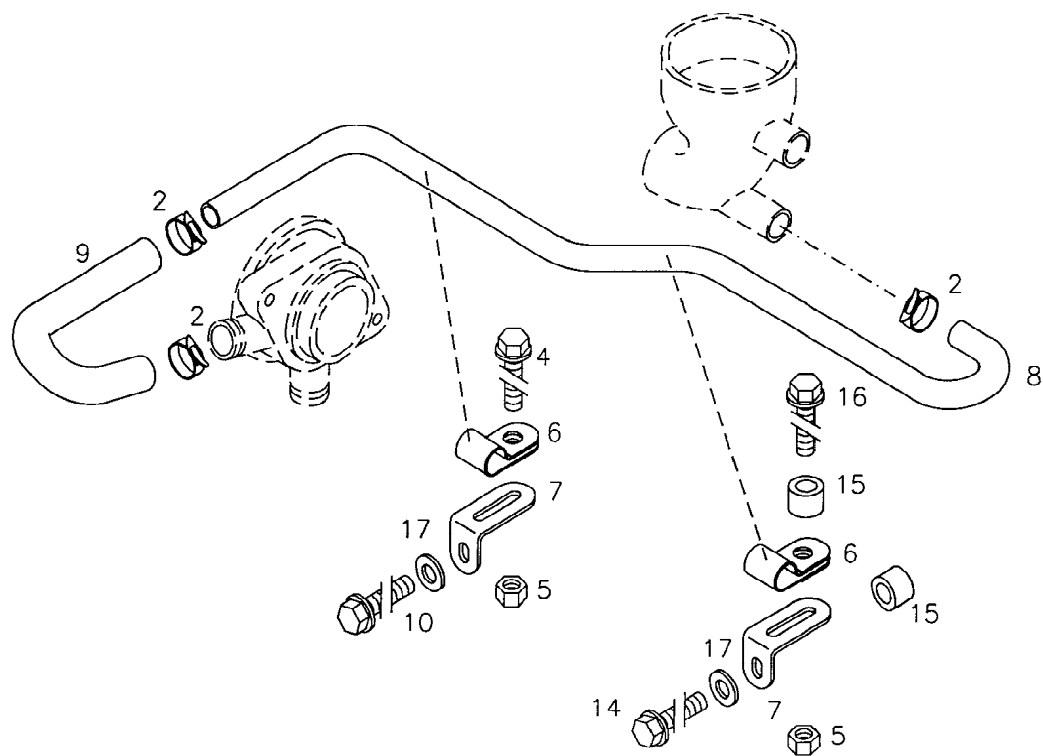
ETL no.: 0507 0342 Breather line

Constr. Group: 01

Equipment: 00000178569  
Output: 0000066,0 kW  
ETL scope: EU249308

Engine type: BF 4M1012E  
Speed: 2500 1/min

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0507 0342

Item	Material	Kit	MS	VS	Quant	Unit	Ord	Designation (en)	Designation (fr)	Remark
2	01178750	Kit !			3	ST		Spring band clamp	Collier feuillard	
4	01181433				1	ST		Hexagon bolt	Vis tete hexagonal	
5	01112824				2	ST		Hexagon nut	Ecrou hexagonal	
6	12151722				2	ST		Pipe clamp	Collier pr tubes	
7	04204250				2	ST		Bracket	Support/portequil	
8	04204368		90	90	1	ST		Breather pipe	Tube de desaerage	
9	04198572	Kit !			1	ST		Bleeding tube	Tube desaeration	
10	01179292		90	90	1	ST		Hexagon bolt	Vis tete hexagonal	
14	01179193		20	20	1	ST		Hexagon bolt	Vis tete hexagonal	
15	04324570				2	ST		Ring	Bague/anneau	
16	01143365		90	90	1	ST		Hexagon bolt	Vis tete hexagonal	
17	01216078				2	ST		Plain washer	Rondelle plate	