

SPARE PARTS CATALOGUE

Brand: NANNI DIESEL

Model: Moteur 4.150HE

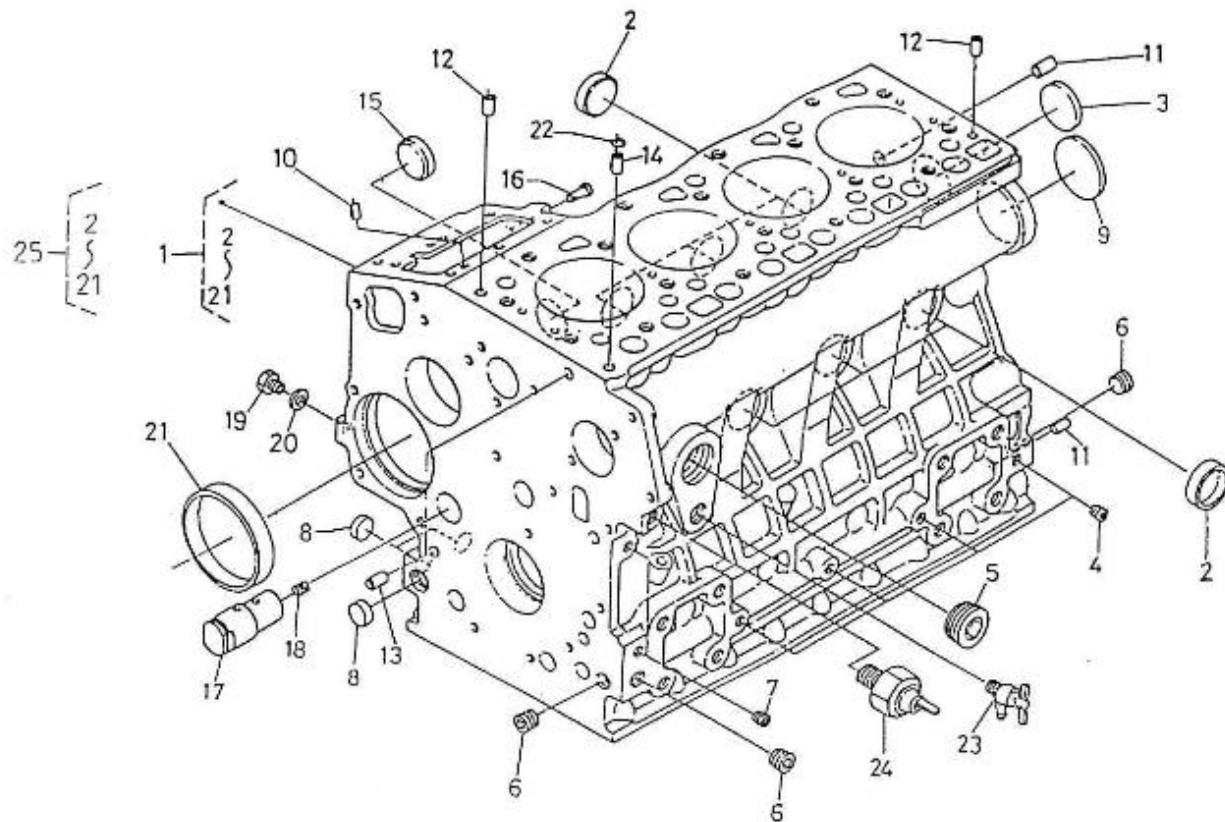
Version: Standard

Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Crank case / Cylinders



N.	Item	Description	Qty	Notes
1	970302701	CRANKCASE,CPL.4.150	1	
2	970140104	CAP, FREEZE	6	
3	970301938	CAP,FREEZE	1	
4	970490107	PLUG,SOCK	4	
5	970302702	PLUG,SOCK	1	
6	970302703	PLUG,SOCK	3	
7	970490108	PLUG,SOCK	2	
8	970301903	PLUG	3	
9	970302704	PLUG,EXPANTION	1	
10	970140109	PIN, CYLINDRICAL	2	
11	970490111	PIN,CYLINDRICAL	2	
12	970302705	WIRING,INTERMEDIATE 4MTR 11POS	2	
13	970490113	PIN,PIPE	2	
14	970302706	PIN,PIPE	1	
15	970302707	CAP,FREEZE	1	
16	970490204	PIN,TIMING COVER	1	
17	970302708	SHAFT,IDLE GEAR 2	1	
18	970302043	SCREW,SET	1	
19	970301912	PLUG	1	
20	970491131	WASHER,SEAL	1	
21	970302709	BUSH,GOVERNOR GEAR	1	
22	970490116	O-RING	1	
23	970140114	PLUG, DRAIN -400	1	
24	970851700	SWITCH,OIL	1	
25	970307957	COMP.CRANKCASE	1	

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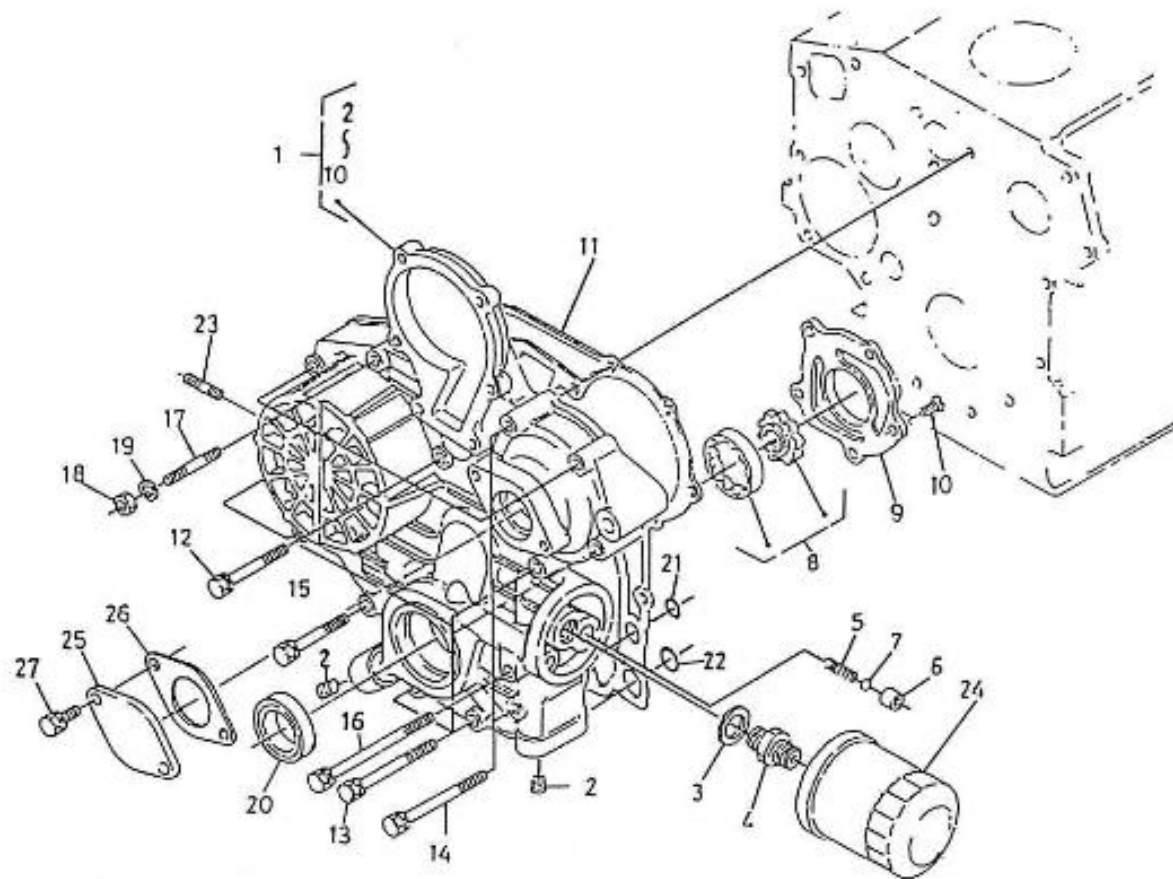
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Timing case



N.	Item	Description	Qty	Notes
1	970302726	COVER,TIMING CASE CPL.4.150	1	
2	970310315	PLUG	2	
3	970302073	GASKET,RING	1	
4	970302728	NIPPLE	1	
5	970302729	SPRING	1	
6	970302730	SEAT,VALVE	1	
7	970302731	BEARING,BALL	1	
8	970302732	ASSY,ROTOR OIL PUMP	1	
9	970302733	COVER,OIL PUMP	1	
10	970302734	SCREW,ROUND HEAD	5	
11	970302735	GASKET,TIMING CASE 4.150	1	
12	970302736	BOLT,M 6X 45	3	
13	970302737	BOLT,M 6X 50	6	
14	970302738	BOLT,M 6X 55	2	
15	970144311	BOLT	1	
16	970302739	BOLT	1	
17	970302740	STUD,M 6X 45	1	
18	970151133	NUT,M 6	1	
19	970119149	WASHER, SPRING D 6	1	
20	970302741	SEAL,OIL	1	
21	970302003	O-RING	2	
22	970301922	O-RING	2	
23	970492513	STUD, M 6X 16	2	
24	970302742	FILTER,ELEMENT OIL 4.150 3.110	1	
25	970302743	COVER,H/METER UNIT	1	
26	970302744	GASKET,H/METER UNIT	1	
27	970491117	BOLT,M 6X 16	2	

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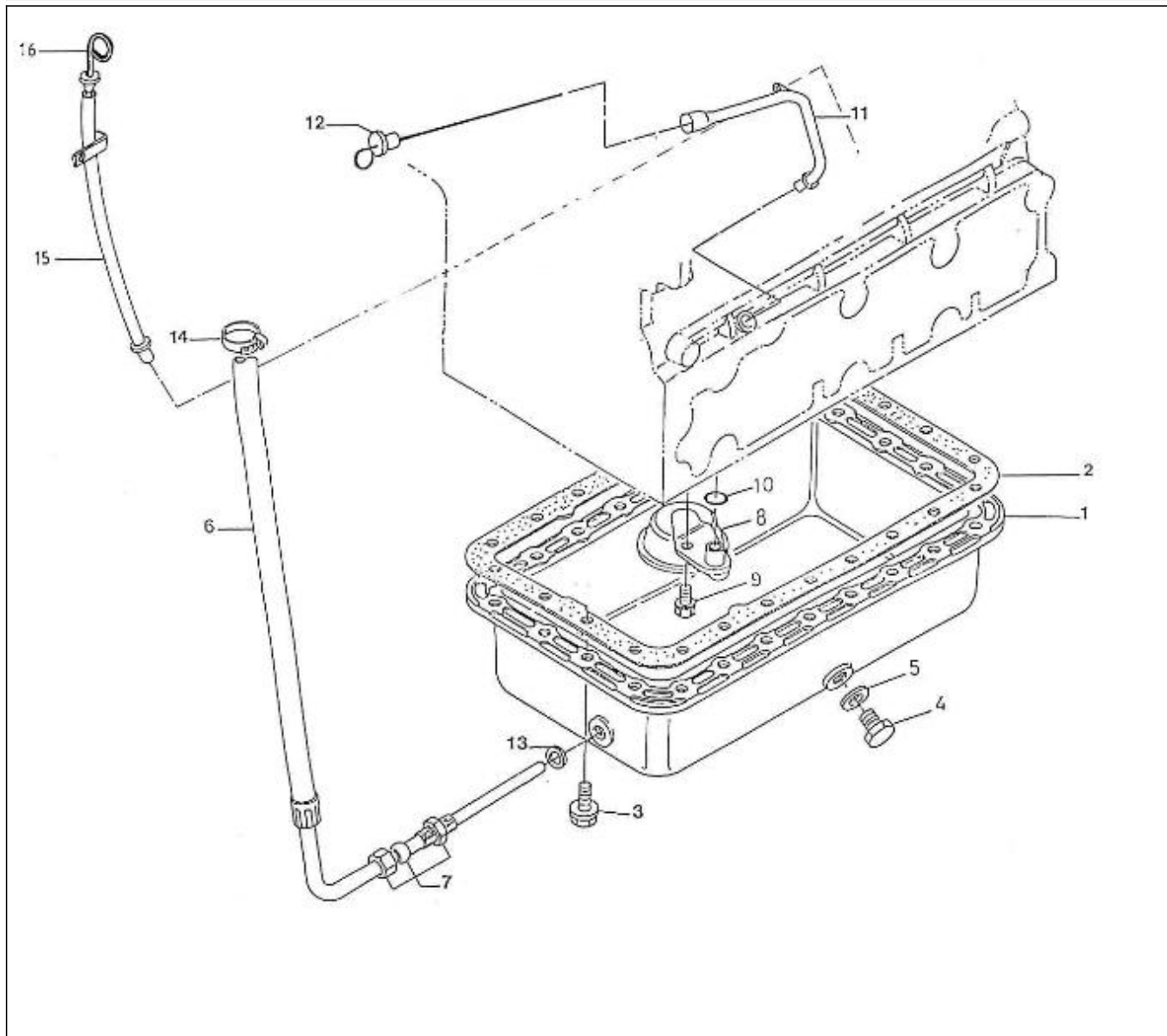
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Oil pan



N.	Item	Description	Qty	Notes
1	970302710	PAN,OIL 4.150	1	
2	970302711	GASKET,OIL PAN 4.150	1	
3	970140123	BOLT ,M 6X12	26	
4	970307907	PLUG,DRAIN	1	
5	970307489	GASKET	1	
6	970304001	HOSE,OIL EXTRACTION 4.150 CPL.	1	
7	970302269	COUPLING,FITTING D10	1	
8	970302714	FILTER,OIL PAN 4.150	1	
9	970490919	BOLT,M 8X 16	1	
10	970301951	O-RING	1	
11	970302636	GUIDE,TUBE OIL DIPSTICK	1	
12	970302637	DIPSTICK	1	
13	970300199	GASKET,RING D16	1	
14	970439306	CLAMP,HOSE 11-17	1	
15	970307727	GUIDE,TUBE OIL DIPSTICK	1	
16	970302715	DIPSTICK,OIL LEVEL 4.150	1	

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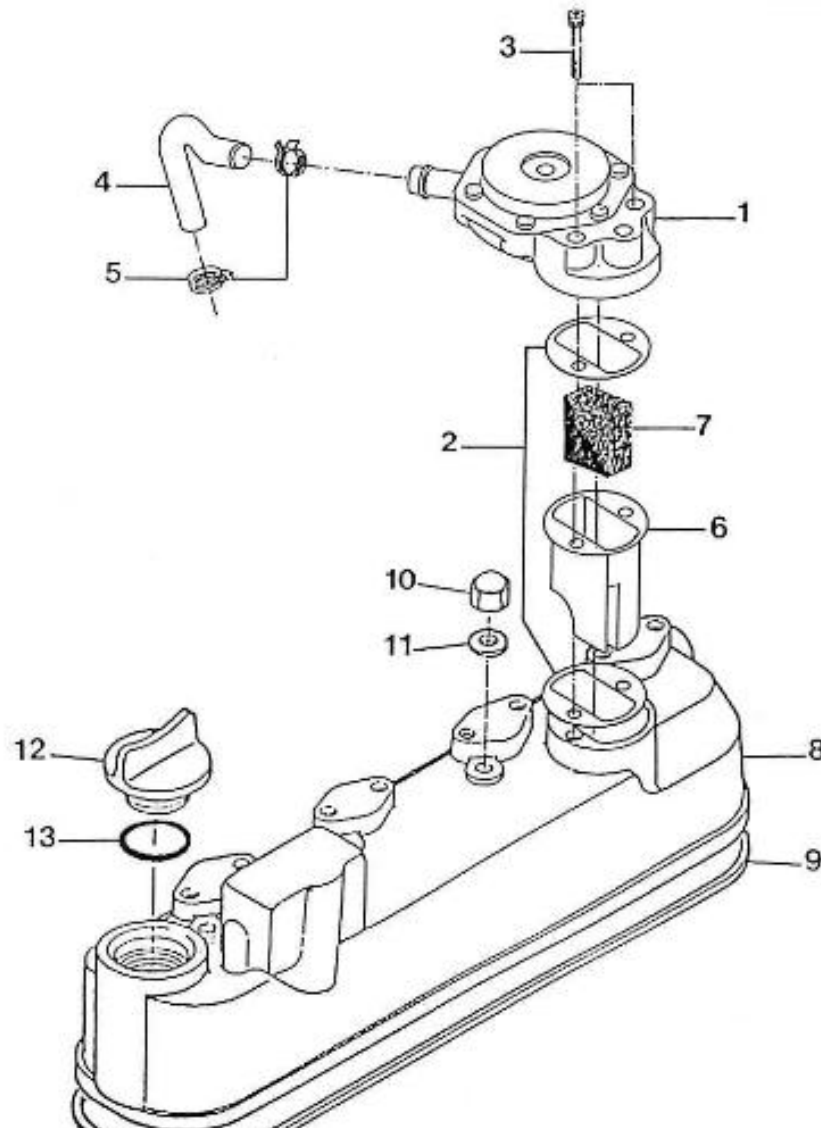
Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Cylinder head cover

N.	Item	Description	Qty	Notes
1	970302770	BREATHER,OIL CPL.4.150	1	
2	970302767	GASKET,BREATHER	2	
3	970141325	BOLT, M6X35	2	
4	970302766	PIPE,BREATHER	1	
5	970302811	CLAMP,PIPE	2	
6	970302768	HOUSING,BREATHER ELEMENT	1	
7	970302769	FILTER,BREATHER ELEMENT	1	
8	970302764	COVER,CYLINDER HEAD 4.150	1	
9	970302765	GASKET,COVER CYL:HEAD 4.150	1	
10	970302771	NUT,CAP	4	
11	970490505	GASKET,RING	4	
12	970490510	CAP,FILLING OIL	1	
13	970490511	O-RING	1	



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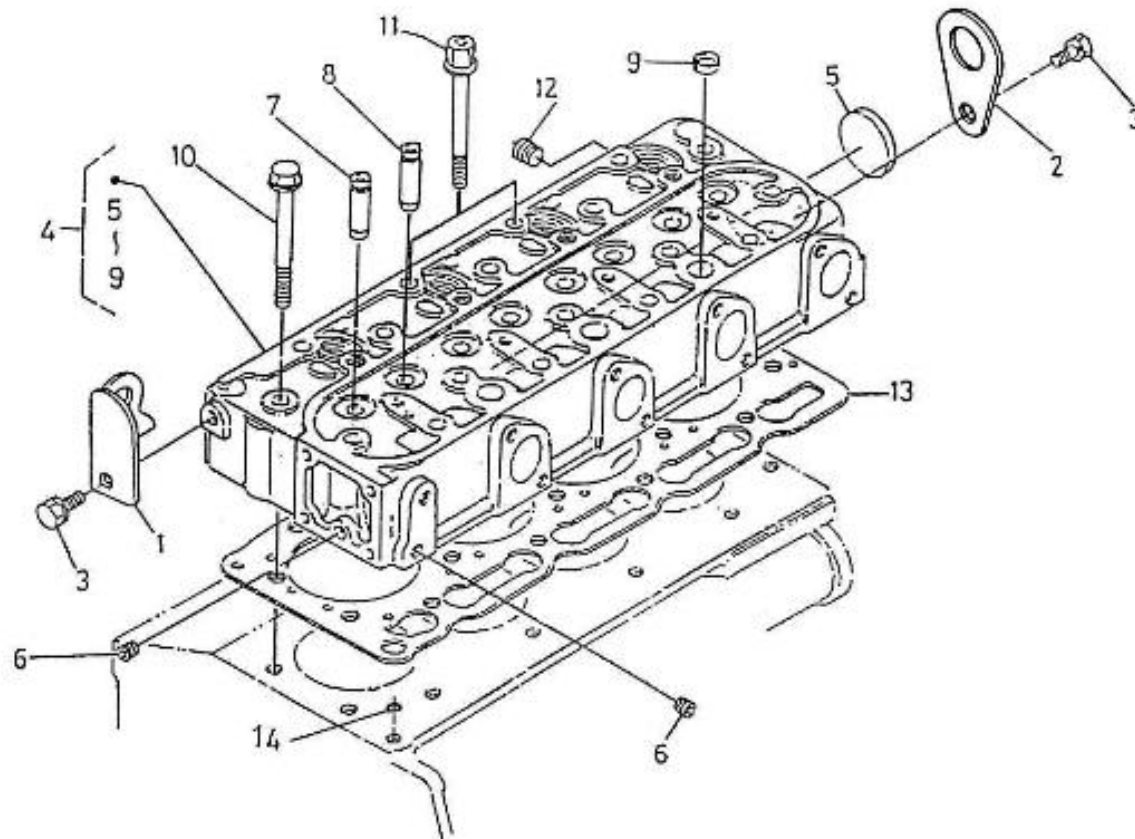
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Cylinder head



N.	Item	Description	Qty	Notes
1	970302717	HOOK,ENGINE 4.150	1	
2	970490901	HOOK,ENGINE 2.60-3.90-4.110	1	
3	970140919	BOLT, M8X14	2	
4	970302719	HEAD,CYLINDER CPL 4.150	1	
5	970140904	CAP, FREEZE	1	
6	970490107	PLUG, SOCK	2	
7	970302720	GUIDE, VALVE INTAKE 4.150	4	
8	970302721	GUIDE, VALVE EXHAUST 4.150	4	
9	970302722	CAP, FREEZE	3	
10	970302723	BOLT, CYL:HEAD	16	
11	970302724	BOLT, CYL:HEAD	2	
12	970140908	PLUG, CYL:HEAD 2.40	1	
13	970302725	GASKET, CYL:HEAD 4.150	1	
14	970490116	O-RING	1	

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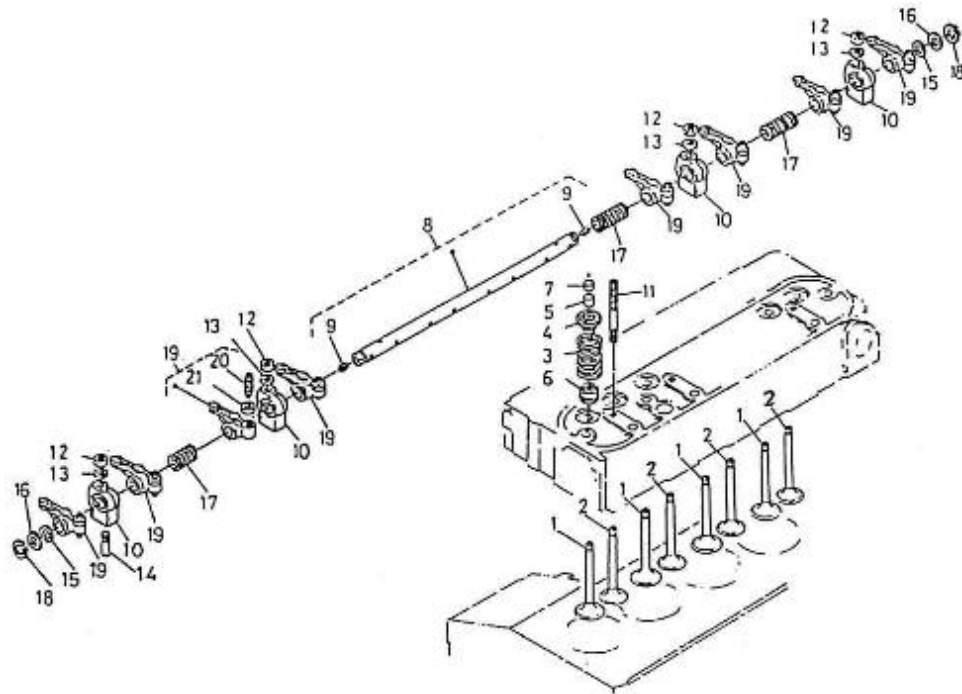
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Valves & Springs



N.	Item	Description	Qty	Notes
1	970302780	VALVE,INTAKE 4.150	4	
2	970302781	VALVE,EXHAUST 4.150	4	
3	970302782	SPRING,VALVE	8	
4	970491004	RETAINER,VALVE SPRING	8	
5	970491005	COLLET,VALVE SPRING	8	
6	970302784	SEAL,VALVE STEM	8	
7	970491007	CAP,VALVE	8	
8	970302785	SHAFT,ROCKER ARM	1	
9	970302786	VIS ARRET TIGE CULBUTEUR 4.150	2	
10	970302787	BRACKET,ROCKER ARM	4	
11	970302788	STUD	4	
12	970491013	NUT	4	
13	970491014	WASHER,PLAIN	4	
14	970491015	SCREW,SET	1	
15	970302789	WASHER,1	2	
16	970302790	WASHER,2	2	
17	970302791	SPRING,ROCKER,ARM	3	
18	970302792	CIR-CLIP,EXTERNAL	2	
19	970302793	ASSY,ROCKER ARM 4.150HE	8	
20	970302794	SCREW,ADJUSTING	8	
21	970302795	NUT	8	

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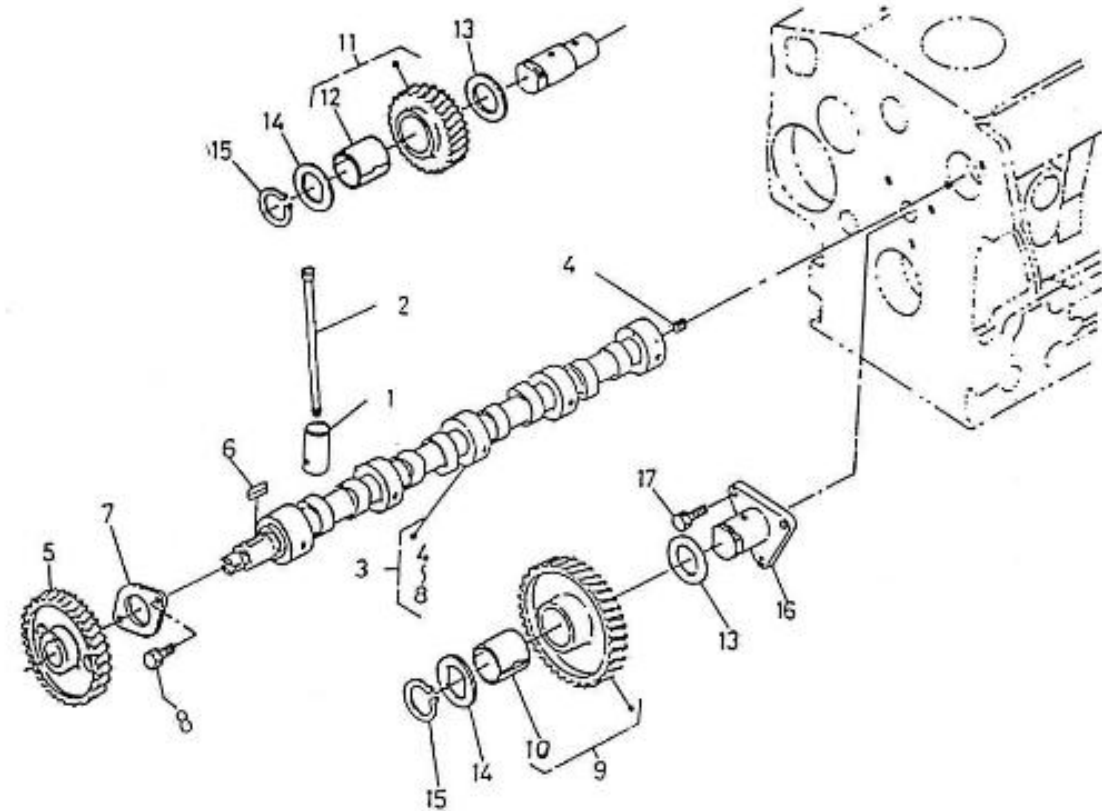
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Camshaft



N.	Item	Description	Qty	Notes
1	970491101	TAPPET	8	
2	970302796	ROD,PUSH	8	
3	970302797	CAMSHAFT,CPL.4.150	1	
4	970302043	SCREW,SET	1	
5	970302798	GEAR,CAMSHAFT	1	
6	970141106	KEY, FEATHER CAMSHAFT 2.40-4.1	1	
7	970302799	STOPPER,CAMSHAFT	1	
8	970490508	BOLT,M 6X 14	2	
9	970302800	GEAR,IDLE CPL.N01	1	
10	970302801	BUSHING,IDLE GEAR	1	
11	970302802	GEAR,IDLE CPL.N02	1	
12	970302801	BUSHING,IDLE GEAR	1	
13	970302803	COLLAR,IDLE GEAR 1	2	
14	970302804	COLLAR,IDLE GEAR 2	2	
15	970302805	CIR-CLIP,IDLE GEAR	2	
16	970302806	SHAFT,IDLE GEAR 1	1	
17	970491117	BOLT,M 6X 16	3	

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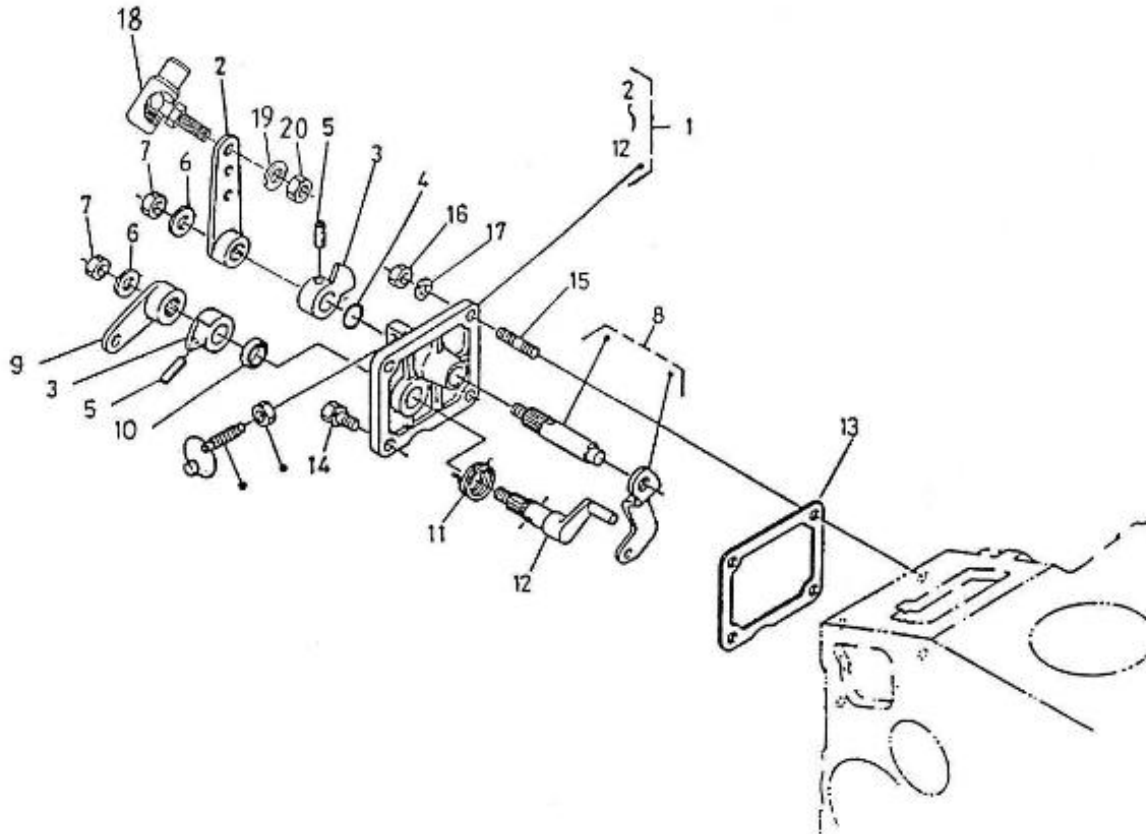
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Speed control



N.	Item	Description	Qty	Notes
1	970302853	PLATE,CONTROL CPL.4.150	1	
2	970302854	LEVER,SPEED CONTROL	1	
3	970302855	LEVER,SPEED CONTROL	2	
4	970302856	O-RING	1	
5	970151130	PIN,SPRING RETAINER	2	
6	970302857	WASHER,PLAIN	2	
7	970302858	NUT	2	
8	970302859	LEVER,GOVERNOR CPL.	1	
9	970302860	LEVER,ENGINE STOP	1	
10	970302861	SEAL,OIL	1	
11	970302862	SPRING,RETURN LEVER	1	
12	970302863	SHAFT,STOP LEVER	1	
13	970302864	GASKET	1	
14	970491117	BOLT,M 6X 16	2	
15	970492513	STUD, M 6X 16	2	
16	970151133	NUT,M 6	2	
17	970119149	WASHER, SPRING D 6	2	
18	970830124	JOINT	1	
19	970119149	WASHER, SPRING D 6	1	
20	970635460	NUT,M 6	1	
21	970302607	SUPPORT,ACC.CONTROL (S5)	1	
22	970835020	CLAMP	1	

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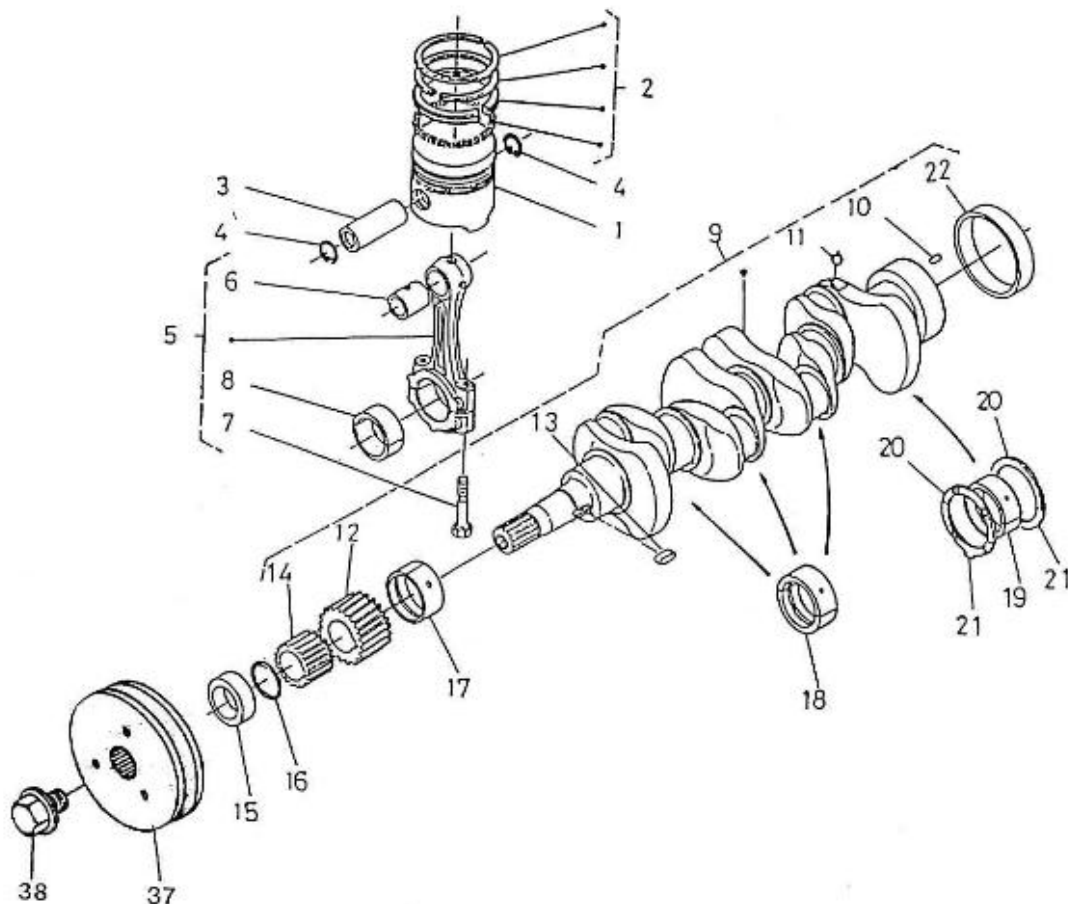
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Crankshaft pistons



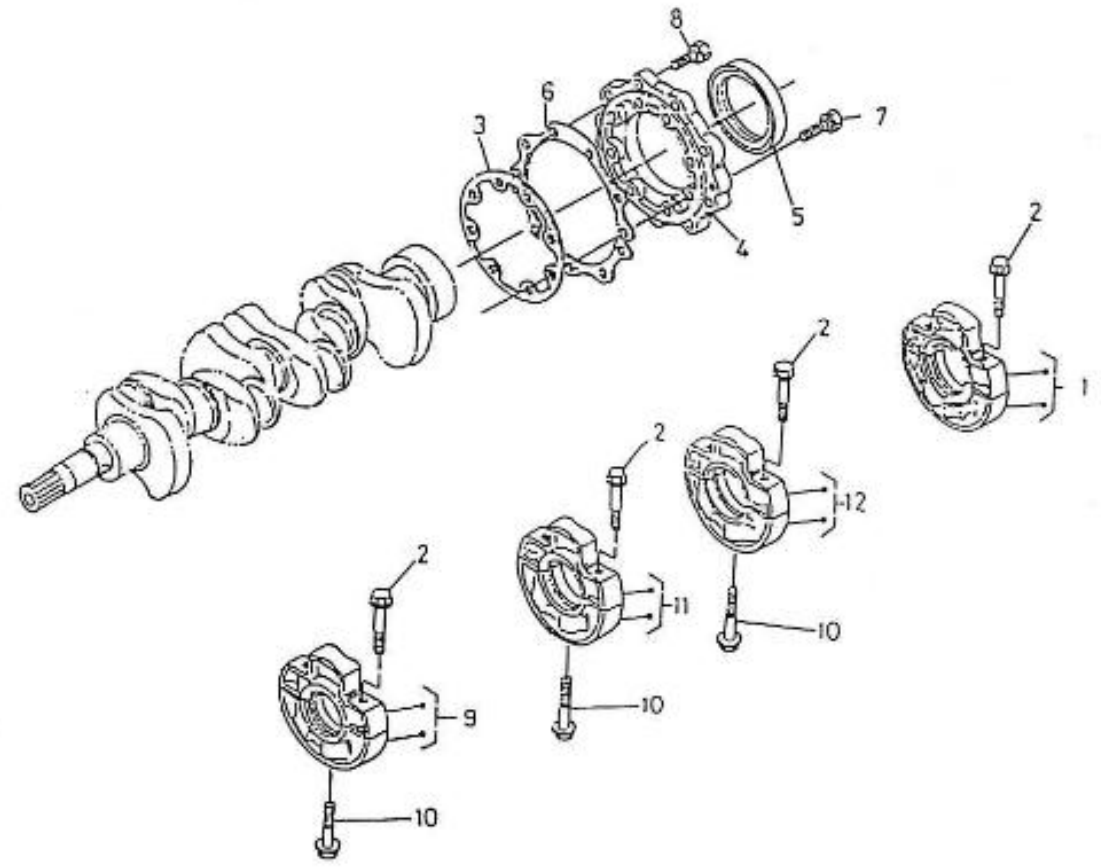
N.	Item	Description	Qty	Notes
1	970302888	PISTON,STD.4.150	4	
2	970302889	SET,PISTON RING STD.4.150	4	
3	970302890	PIN,PISTON	4	
4	970302891	CIR-CLIP	8	
5	970302892	ROD,CONNECTING CPL.4.150	4	
6	970302893	BUSH,CONN.ROD	4	
7	970302894	BOLT,CONN.ROD	8	
8	970302895	METAL,CONN.ROD STD.-SET-	4	
9	970302896	CRANKSHAFT,CPL.4.150	1	
10	970140109	PIN, CYLINDRICAL	1	
11	970302897	BEARING,BALL	4	
12	970304116	GEAR,CRANKSHAFT	1	
13	970302899	KEY,FEATHER	1	
14	970302900	GEAR,OIL PUMP DRIVE	1	
15	970302902	COLLAR,CRANKSHAFT	1	
16	970302903	O-RING,CRANKSHAFT 4.150	1	
17	970302904	METAL,CRANKSHAFT 1 STD.	1	
18	970302905	METAL,CRANKSHAFT 2 STD. -SET-	3	
19	970302906	METAL,CRANKSHAFT 3 STD. -SET-	1	
20	970301974	METAL,SIDE 1	2	
21	970301975	METAL,SIDE 2	2	
22	970302901	SLEEVE,CRANKSHAFT	1	
23	970302776	PISTON,+0,5	4	
24	970302778	SET,PISTON RING +0,5	4	
25	970302774	METAL,CONN.ROD -0.2MM -SET-	4	
26	970302775	METAL,CONN.ROD -0.4MM -SET-	4	
27	970302779	METAL,CRANKSHAFT 1 -0,2	1	
28	970302907	METAL,CRANKSHAFT 1 -0,4	1	
29	970302908	METAL,CRANKSHAFT 2 -0,2 -SET-	3	
30	970302909	METAL,CRANKSHAFT 2 -0,4 -SET-	3	
31	970302910	METAL,CRANKSHAFT 3 -0,2 -SET-	1	
32	970302911	METAL,CRANKSHAFT 3 -0,4 -SET-	1	
33	970302408	METAL,SIDE 1 +0,2	2	
34	970302912	METAL,SIDE 1 +0,4	2	
35	970302409	METAL,SIDE 2 +0,2	2	
36	970302913	METAL,SIDE 2 +0,4	2	
37	970307072	PULLEY,FAN DRIVE	1	
38	970307073	BOLT	1	

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Brand: NanniDiesel
Model: Moteur 4.150HE
Version: Standard
Subassembly: Crankshaft

N.	Item	Description	Qty	Notes
1	970302754	BEARING,MAIN ASSY 4.150	1	
2	970302755	BOLT,BEARING CASE N01	8	
3	970302756	GASKET,BEARING CASE	1	
4	970302757	COVER,BEARING CASE	1	
5	970302758	SEAL,OIL	1	
6	970302759	GASKET,BEARING CASE	1	
7	970491537	BOLT,M 6X 25	8	
8	970491536	BOLT,M 6X 20	9	
9	970302760	BEARING,MAIN ASSY N01 4.150	1	
10	970302761	BOLT,BEARING CASE N02	3	
11	970302762	BEARING,MAIN ASSY N02 4.150	1	
12	970302763	BEARING,MAIN ASSY N03 4.150	1	



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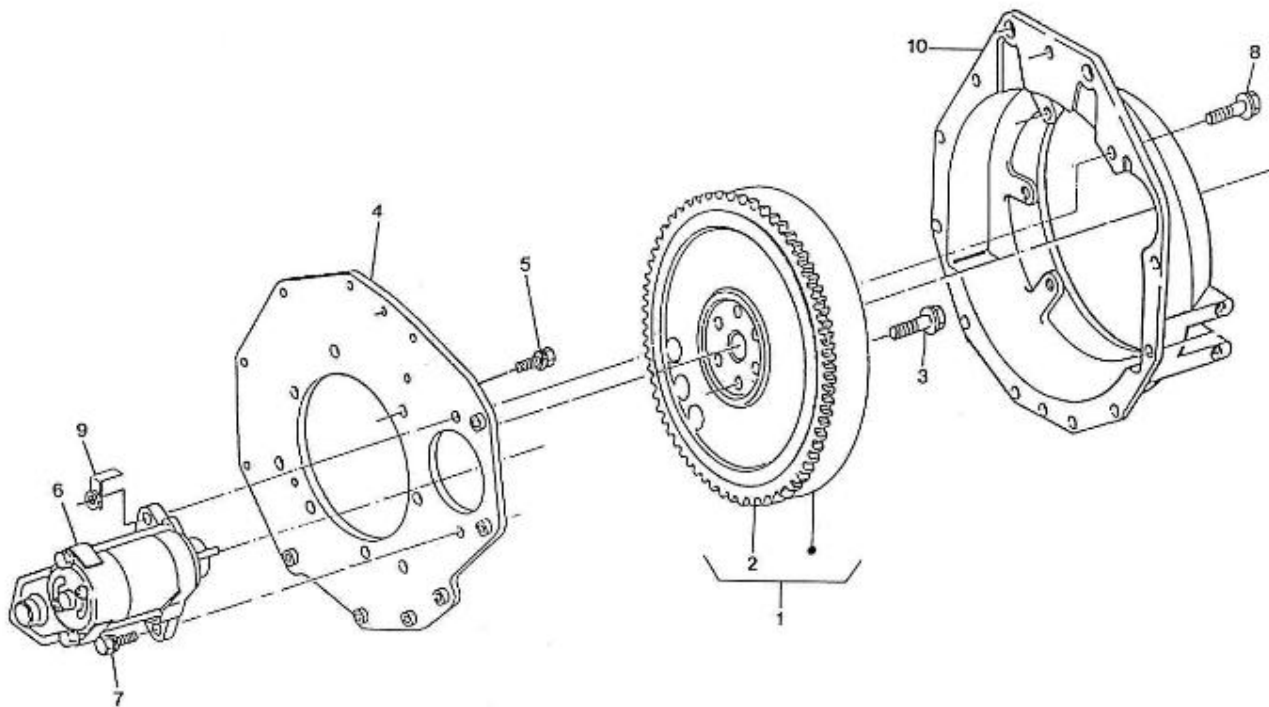
Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Flywheel

N.	Item	Description	Qty	Notes
1	970302807	FLYWHEEL,CPL.4.150	1	
3	970302809	BOLT,FLYWHEEL	6	
4	970302810	PLATE,REAR END 4.150	1	
5	970491709	BOLT,REAR END PLATE	8	
6	970517303	STARTER,MOTOR 12V 1,0KW 1P	1	
7	970409603	BOLT,HEX M 8X 25	1	
8	970635917	BOLT,SOCK M 8X 40	1	
9	970302639	SUPP,MOUNTING STARTER MOTOR S5	1	
10	970301400	HOUSING,FLYWHEEL (S5 H/HE)	1	



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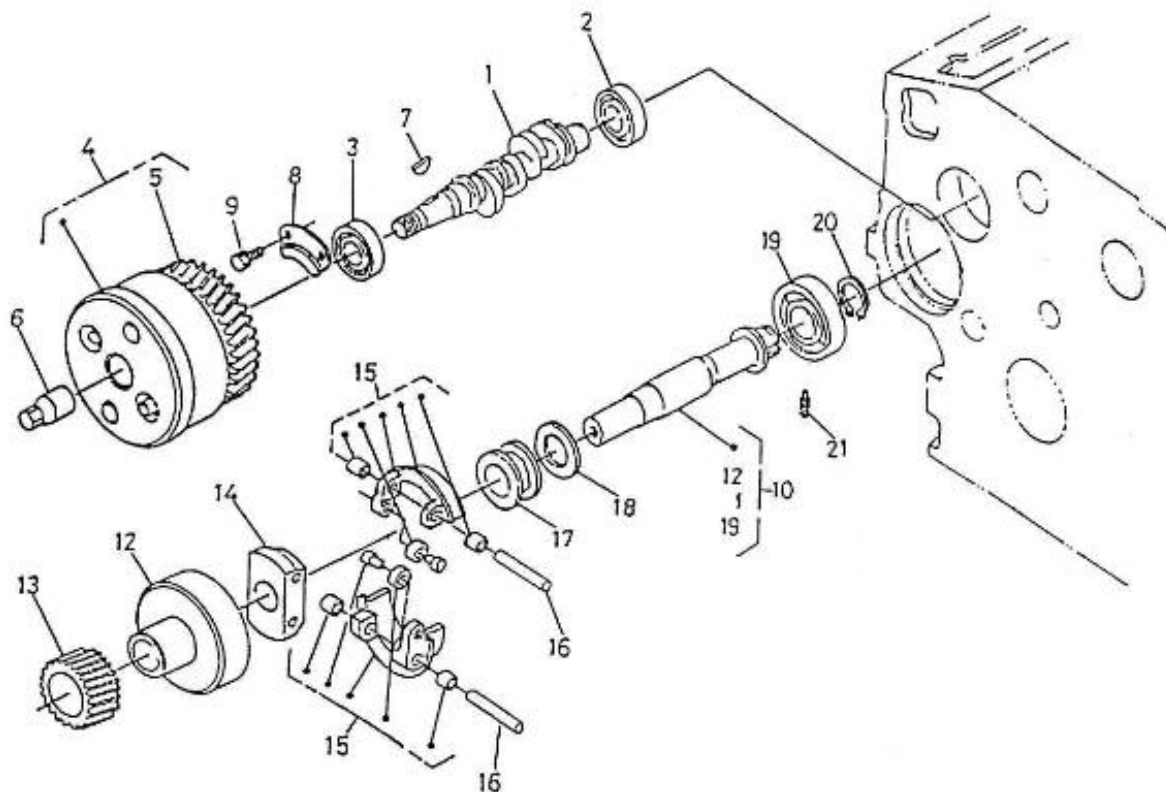
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Camshaft fuel



N.	Item	Description	Qty	Notes
1	970302834	CAMSHAFT,FUEL 4.150	1	
2	970302835	BEARING,CASE	1	
3	970302836	BEARING,CASE	1	
4	970302837	TIMING,DEVICE CPL.4.150	1	
5	970302838	GEAR,INJ.PUMP	1	
6	970302839	NUT,CAP	1	
7	970302840	KEY,FEATHER	1	
8	970302841	STOPPER,FUEL CAMSHAFT	1	
9	970140123	BOLT ,M 6X12	2	
10	970302842	SHAFT,GOVERNOR CPL.4.150	1	
12	970302843	SHAFT,GOVERNOR GEAR 4.150	1	
13	970302844	GEAR,GOVERNOR	1	
14	970302845	SUPPORT,GOVERNOR WEIGHT	1	
15	970302846	WEIGHT,GOVERNOR CPL. 4.150	2	
16	970302847	SHAFT,GOVERNOR WEIGHT	2	
17	970302848	SLEEVE,GOVERNOR	1	
18	970302849	WASHER,THRUST	1	
19	970302850	BEARING,CASE	1	
20	970302851	CIR-CLIP,GOVERNOR SHAFT	1	
21	970302852	SCREW,SET	1	

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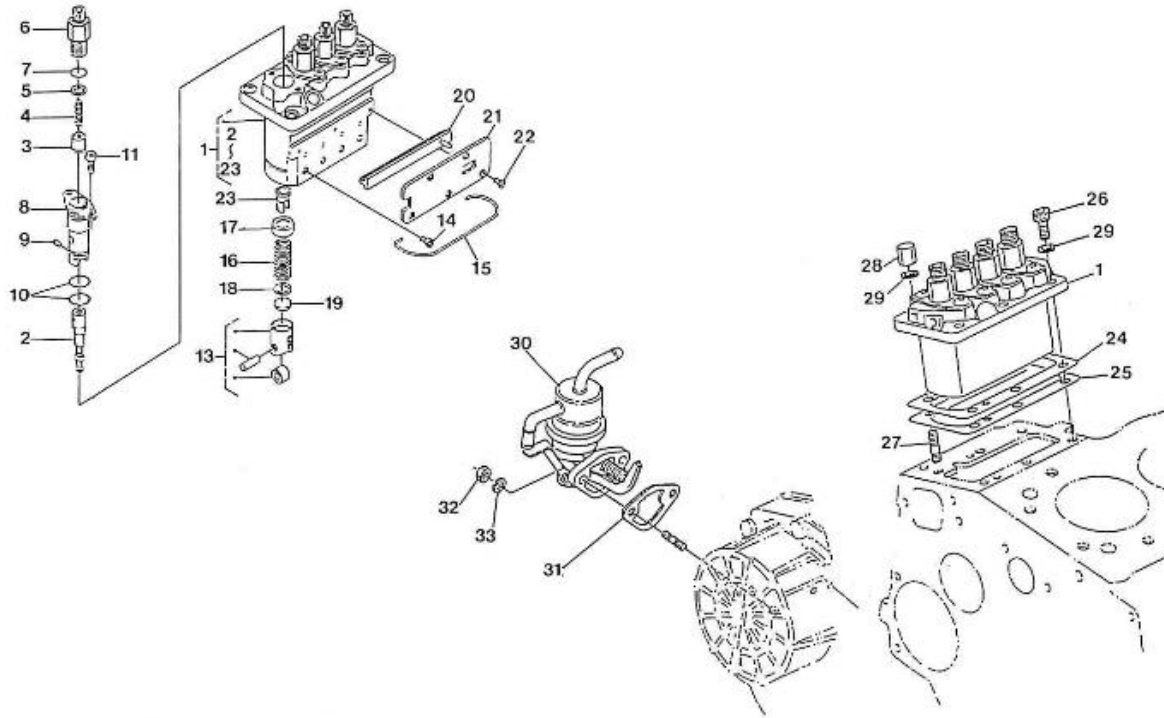
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Injection & Fuel pump



N.	Item	Description	Qty	Notes
1	970302828	PUMP,INJECTION 4.150 CPL	1	
2	970302916	PLUNGER,PUMP	4	
3	970142147	VALVE,INJ.PUMP 2. 40HE	4	
4	970142148	SPRING,INJ.PUMP	4	
5	970142149	GASKET,RING INJ.PUMP 2.40	4	
6	970302917	HOLDER,DELIVERY VALVE	4	
7	970142151	O-RING,INJ.PUMP	4	
8	970302918	FLANGE,SLEEVE	4	
9	970302919	PIN,JOINT	4	
10	970142161	O-RING,INJ.PUMP	8	
11	970303946	SCREW	8	
13	970142165	TAPPET,INJ.PUMP CPL.	4	
14	970303947	PIN,TAPPET GUIDE	4	
15	970303948	PIN,CLAMP	1	
16	970142159	SPRING,INJ.PUMP	4	
17	970303949	SEAT,SPRING -UPPER-	4	
18	970303950	SEAT,SPRING -LOWER-	4	
19	970303951	SHIM	1	
20	970303952	RACK,CONTROL	1	
21	970303953	PLATE	1	
22	970303954	SCREW	5	
23	970142168	SLEEVE,CONTROL	4	
24	970302829	SHIM,INJECTION PUMP 4.150	1	
25	970302830	SHIM,INJECTION PUMP 4.150	2	
26	970142138	BOLT,SOCK M 6X 20	3	
27	970142139	STUD,INJ.PUMP	3	
28	970142140	NUT,CAP	3	
29	970119149	WASHER, SPRING D 6	6	
30	970302831	PUMP,FUEL FEED CPL.4.150	1	
31	970142512	GASKET,FUEL PUMP 2. 40	1	
32	970151133	NUT,M 6	2	
33	970119149	WASHER, SPRING D 6	2	

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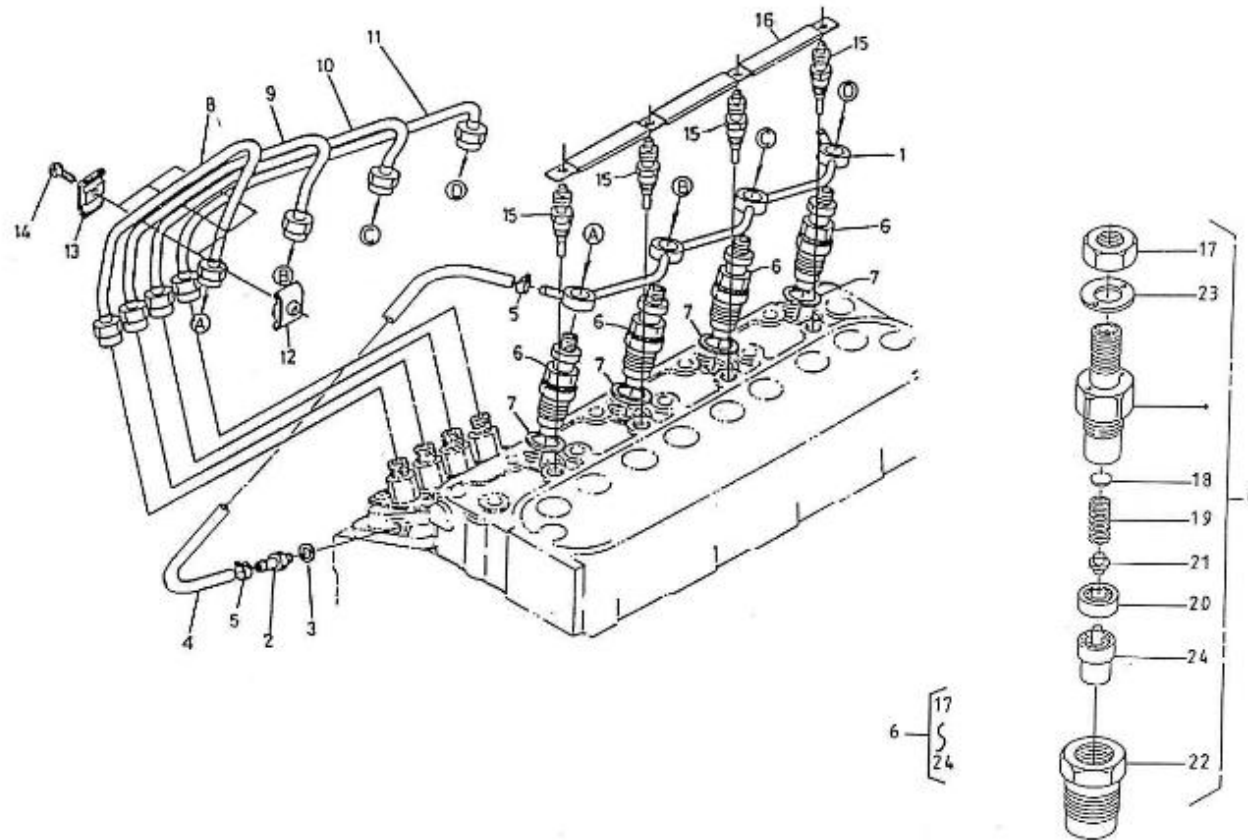
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Injection lines nozzles



N.	Item	Description	Qty	Notes
1	970302813	PIPE,FUEL OVERFLOW N01 CPL.	1	
2	970142104	NOZZLE, FUEL OVERFLOW LINE	1	
3	970150403	RING,SEAL	1	
4	32805001	HOSE	1	
5	970310171	CLAMP	2	
6	970302816	INJECTOR,CPL.4.150	4	
7	970142109	GHASKET, RING INJECTORS	4	
8	970302817	LINE,FUEL CYL.N01 4.150	1	
9	970302818	LINE,FUEL CYL.N02 4.150	1	
10	970302819	LINE,FUEL CYL.N03 4.150	1	
11	970302820	LINE,FUEL CYL.N04 4.150	1	
12	970142114	CLAMP,FUEL LINES 1+2	3	
13	970142115	CLAMP,FUEL-LINES 1+2	3	
14	970492118	SCREW,M 5X 20 ROUND HEAD	3	
15	970302821	GLOWPLUG,4.150	4	
16	970302822	LINE,GLOWPLUG CPL.	1	
17	970142175	NUT,NOZZLE INJ.	4	
18	970302825	SPACER,ADJ.NOZZLE STD.	4	
19	970142171	SPRING,NOZZLE FUEL	4	
20	970142173	PIECE,DISTANCE NOZZLE INJ.	4	
21	970142170	ROD,PUSH NOZZLE FUEL	4	
22	970142172	HOLDER,NOZZLE	4	
23	970302826	WASHER,NOZZLE INJ.	4	
24	970302827	NOZZLE,INJECTOR	4	

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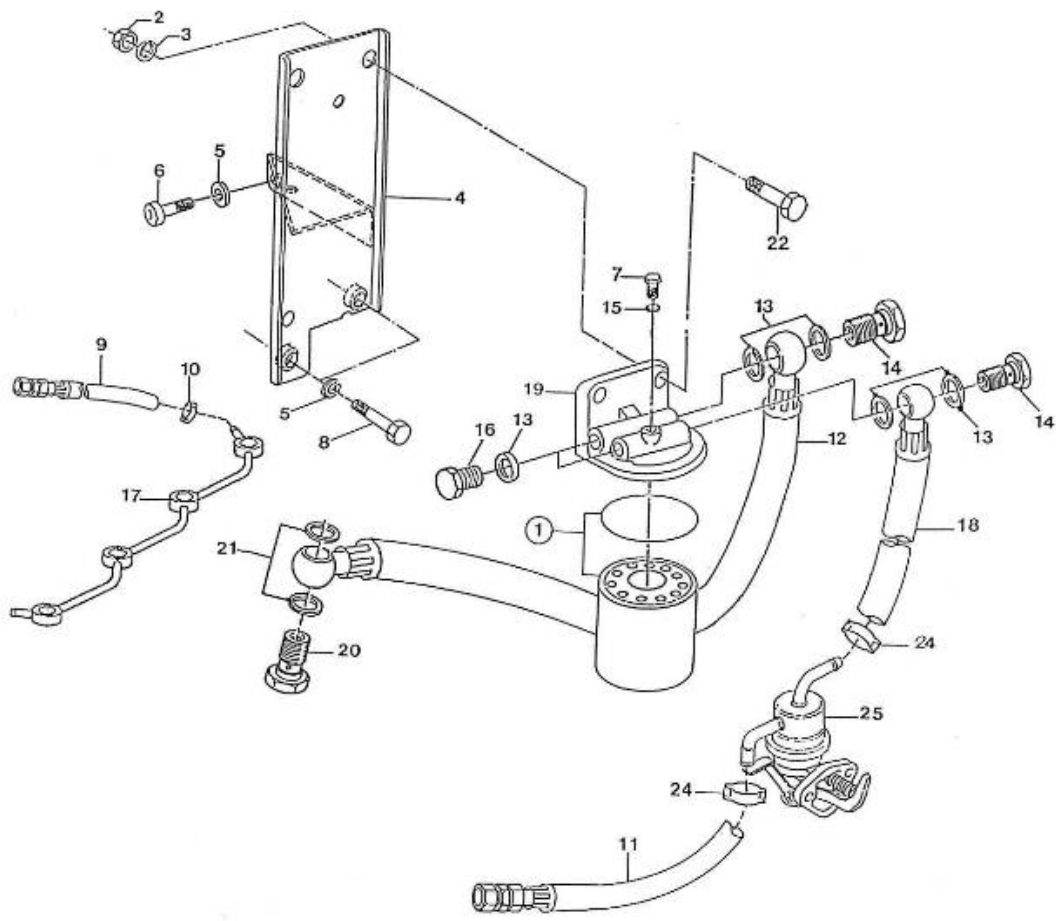
Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Fuel filter Assy.

N.	Item	Description	Qty	Notes
1	970622350	FILTER,FUEL	1	
2	970119143	NUT, M10	2	
3	970119136	WASHER,SPRING D10	2	
4	970302604	SUPPORT,FUEL FILTER S5	1	
5	970119149	WASHER, SPRING D 6	3	
6	970604615	BOLT,SOCK M 6X 20	1	
7	970832061	BOLT	1	
8	970302584	BOLT,HEX M 6X 60	2	
9	970300293	HOSE,FUEL RETURN CPL.	1	
10	970310171	CLAMP	1	
11	970302330	HOSE,FUEL SUPPLY CPL.	1	
12	970302586	HOSE,FUEL SUPPLY INJ.PUMP CPL.	1	
13	970300306	GASKET,RING D14	6	
14	970432515	BOLT,BANJO M14X1,5	2	
15	970300288	GASKET,M8	1	
16	970875506	PLUG	2	
17	970302813	PIPE,FUEL OVERFLOW N01 CPL.	1	
18	970302587	HOSE,FUEL SUPPLY FILTER CPL. (1	
19	970302494	SUPPORT,FUEL FILTER ELEMENT H-	1	
20	970304066	BOLT,BANJO	1	
21	970300430	GASKET,RING D10	2	
22	970635508	BOLT,HEX M10X 25	2	
24	970302585	CLAMP,TWO-EAR 11-13	2	
25	970302831	PUMP,FUEL FEED CPL.4.150	1	



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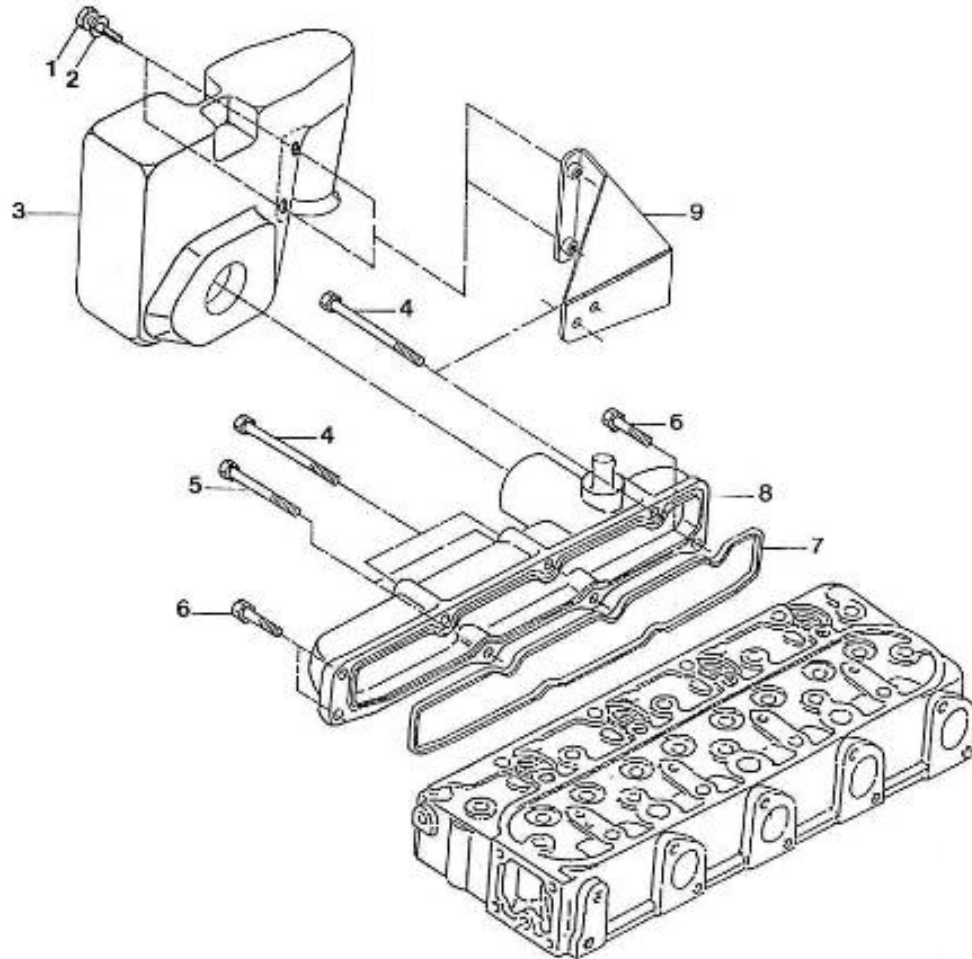
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Air filter



N.	Item	Description	Qty	Notes
1	970304025	BOLT,HEXM 6X 10 A2	2	
2	970304026	WASHER,PLAIN D 6 A2	2	
3	970302624	FILTER,AIR (S5)	1	
4	970302737	BOLT,M 6X 50	3	
5	970302751	BOLT,M 6X 30	2	
6	970490119	BOLT,M 6X 18	2	
7	970302773	GASKET,INTAKE MANIFOLD 4.150	1	
8	970302772	MANIFOLD,INTAKE 4.150	1	
9	970302640	SUPPORT,AIR FILTER S5	1	

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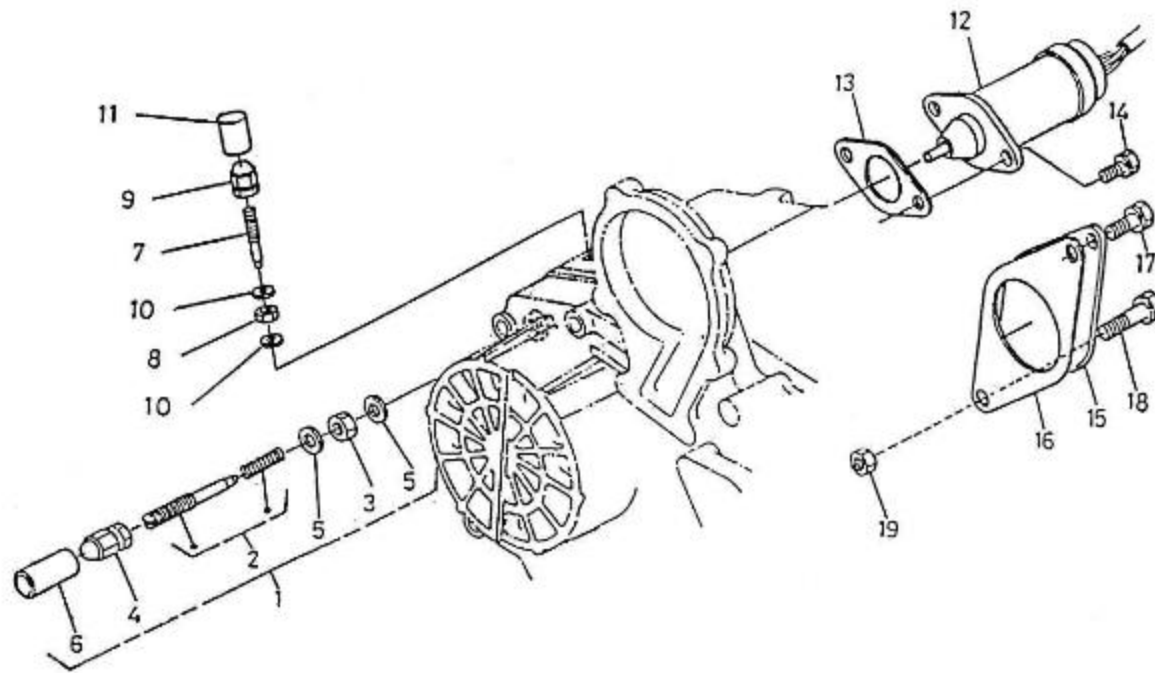
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Engine stop lever



N.	Item	Description	Qty	Notes
1	970302865	BOLT,ADJ.IDLE CPL.4.150	1	
2	970302866	SCREW,ADJ.IDLE CPL.4.150	1	
3	970140402	NUT	1	
4	970140404	NUT	1	
5	970150403	RING,SEAL	2	
6	970302411	CAP,NUT	1	
7	970302868	SCREW,ADJUSTING	1	
8	970140402	NUT	1	
9	970140404	NUT	1	
10	970150403	RING,SEAL	2	
11	970302411	CAP,NUT	1	
12	970302869	SOLENOID,STOP 4.150	1	
13	970302870	GASKET,SOLENOID	1	
14	970490508	BOLT,M 6X 14	2	
15	970302871	COVER,HYD.PUMP	1	
16	970302872	GASKET	1	
17	970302873	BOLT,M 8X 20	1	
18	970302037	BOLT,M 8X 32	1	
19	970490903	NUT,M 8	1	

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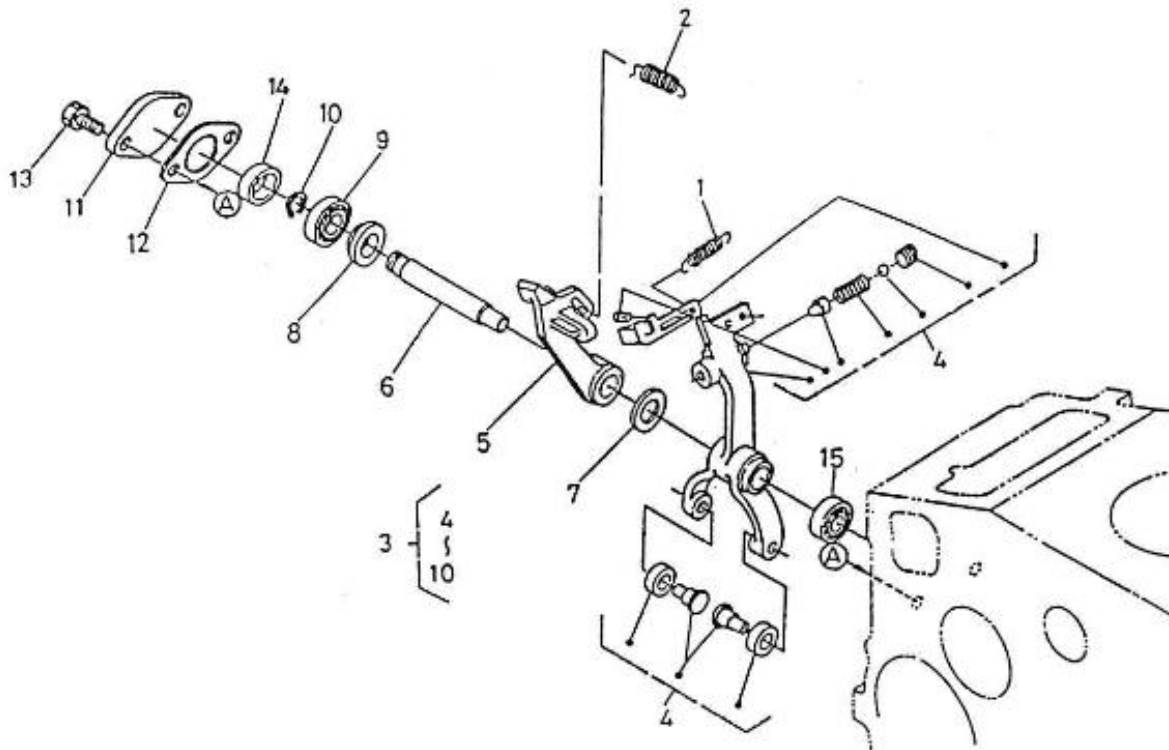
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Governor



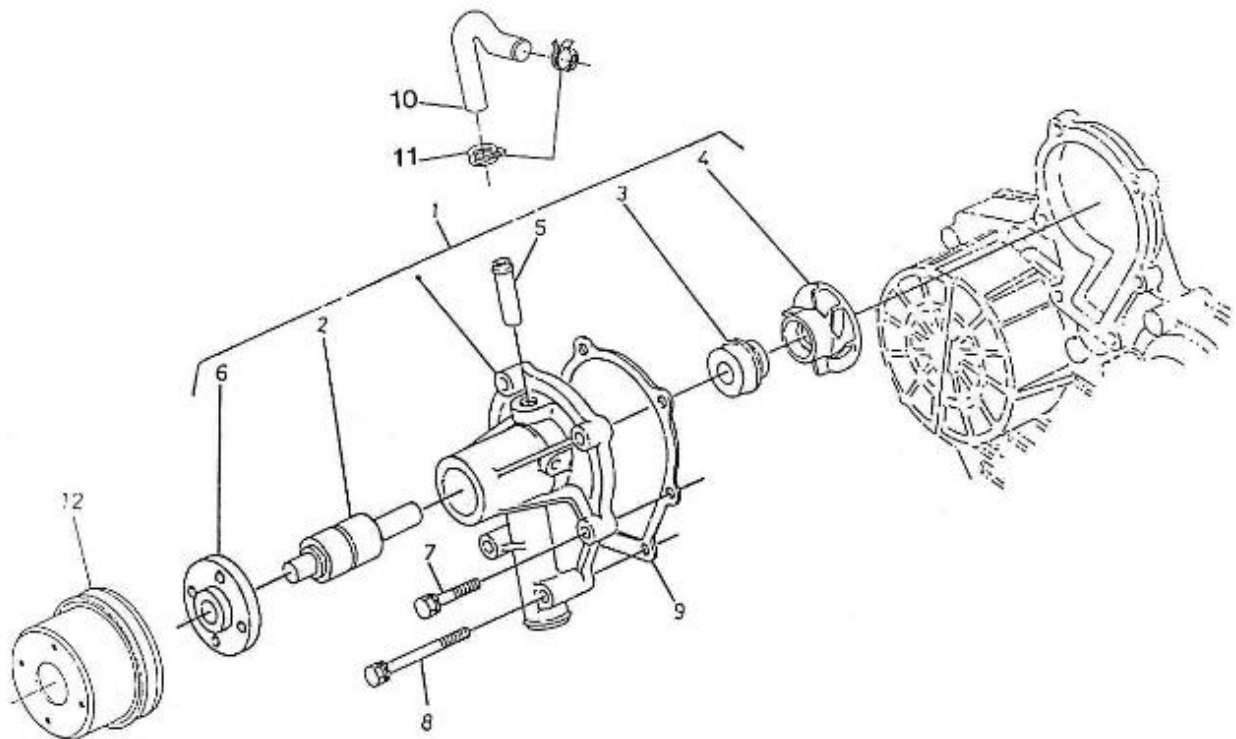
N.	Item	Description	Qty	Notes
1	970302874	SPRING,START LEVER FORK 1	1	
2	970302875	SPRING,GOVERNOR	1	
3	970302876	GOVERNOR,CPL.4.150	1	
4	970302877	LEVER,FORK CPL.N01	1	
5	970302878	LEVER,FORK 2	1	
6	970302879	SHAFT,FORK LEVER	1	
7	970302880	WASHER,PLAIN	1	
8	970302881	COLLAR,2	1	
9	970302882	BEARING,CASE	1	
10	970302883	CIR-CLIP,EXTERNAL	1	
11	970302884	COVER,FORK LEVER SHAFT	1	
12	970302885	GASKET	1	
13	970490508	BOLT,M 6X 14	2	
14	970302886	COLLAR,1	1	
15	970302887	BEARING,CASE	1	

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Brand: NanniDiesel
 Model: Moteur 4.150HE
 Version: Standard
 Subassembly: Fresh water pump

N.	Item	Description	Qty	Notes
1	970302745	PUMP,F/WATER CPL.4.150	1	
2	970302746	BEARING,SHAFT W/PUMP	1	
3	970302747	SEAL,MECHANICAL F/W.PUMP	1	
4	970302748	IMPELLER,F/WATER PUMP 4.150	1	
5	970307629	PIPE,WATER RETURN	1	
6	970302750	FLANGE,W/PUMP	1	
7	970302751	BOLT,M 6X 30	4	
8	970302752	BOLT,M 6X 80	2	
9	970302753	GASKET,F/WATER PUMP 4.150	1	
10	970307071	PIPE,WATER RETURN	1	
11	970307103	BAND,PIPE	2	
12	970307124	PULLEY,FAN	1	



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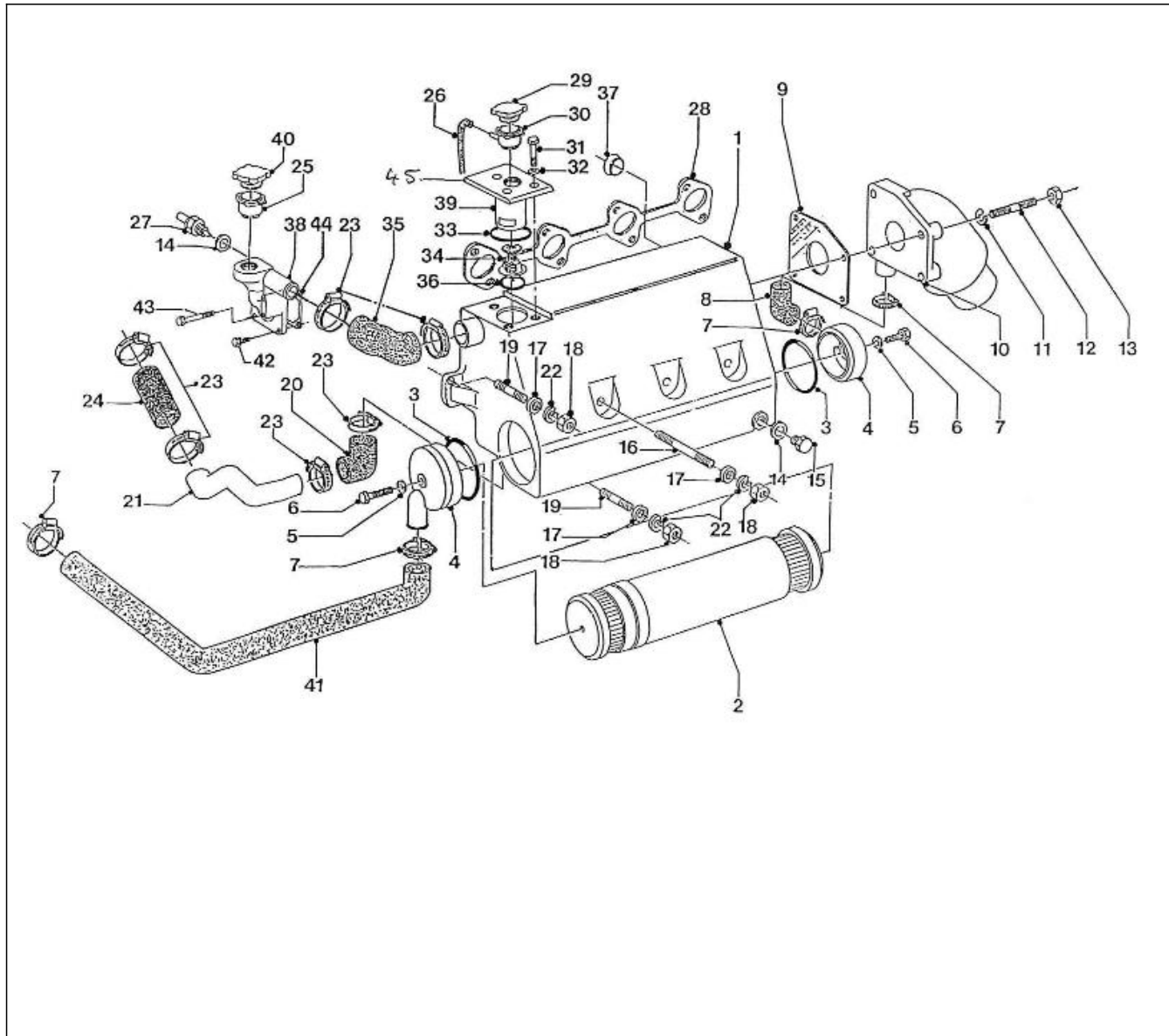
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Heat exchanger exh. Manifold



N.	Item	Description	Qty	Notes
1	970302601	HOUSING,HEATEXCHANGER 3.110	1	
2	970302602	TUBE,STACK 4.150	1	
3	970301719	O-RING,68,00X4,00	2	
4	970301404	COVER,HEATEXCH.	2	
5	970300288	GASKET,M8	2	
6	970301263	BOLT,M 8X 45 -A2-	2	
7	970604526	CLAMP,HOSE 22-32	4	
8	970301713	HOSE,ELBOW COVER HEATEX.4.190	1	
9	970301710	GASKET,MIXER 4.190	1	
10	970301706	MIXER,4.190	1	
11	970119138	WASHER,SPRING D 8	4	
12	970300374	STUD,M 8X 30	4	
13	970027322	NUT,M 8	4	
14	970300306	GASKET,RING D14	2	
15	970875506	PLUG	1	
16	970302611	STUD,M 7X151	3	
17	970302538	WASHER,PLAIN D 7	8	
18	970301496	NUT,M 7	8	
19	970302915	STUD	5	
20	970302630	HOSE	1	
21	970302612	PIPE,WATER RETURN	1	
22	970302537	WASHER,SPRING D 7	8	
23	970300922	CLAMP,HOSE 26-38	6	
24	970301527	PIPE,WATER 4.150 HE	1	
25	970301734	FILLING,NECK CPL.4.190	1	
26	970300077	HOSE,D 8 L= 450	1	
27	970304054	TEMPERATURE SWITCH 1/8 1P 97°C	1	
28	970302777	GASKET,EXHAUST MANIFOLD 4.150	1	
29	970604614	CAP,FILLING 0, 7 DOUBLE SEAL	1	
30	970300834	FILLING,NECK WATER	1	
31	970119141	BOLT,HEX M8X 20	3	
32	970119139	WASHER,CORRUGATED D8	3	
33	970302608	O-RING	1	
34	970301412	THERMOSTAT,82X	1	
35	970301714	HOSE,D32 COVER THERMO.4.190	1	
36	970302609	O-RING	1	
37	970494517	CAP,FREEZE	3	
38	970302628	FLANGE,WATER S5	1	
39	970311173	HOUSING, THERMOSTAT	1	
41	970302625	HOSE, W.PUMP/COVER HEATECH. (S	1	
42	970491117	BOLT,M 6X 16	3	
43	970302738	BOLT,M 6X 55	1	
44	970307104	GASKET,W/FLANGE NA	1	
45	970311173	HOUSING, THERMOSTAT	1	

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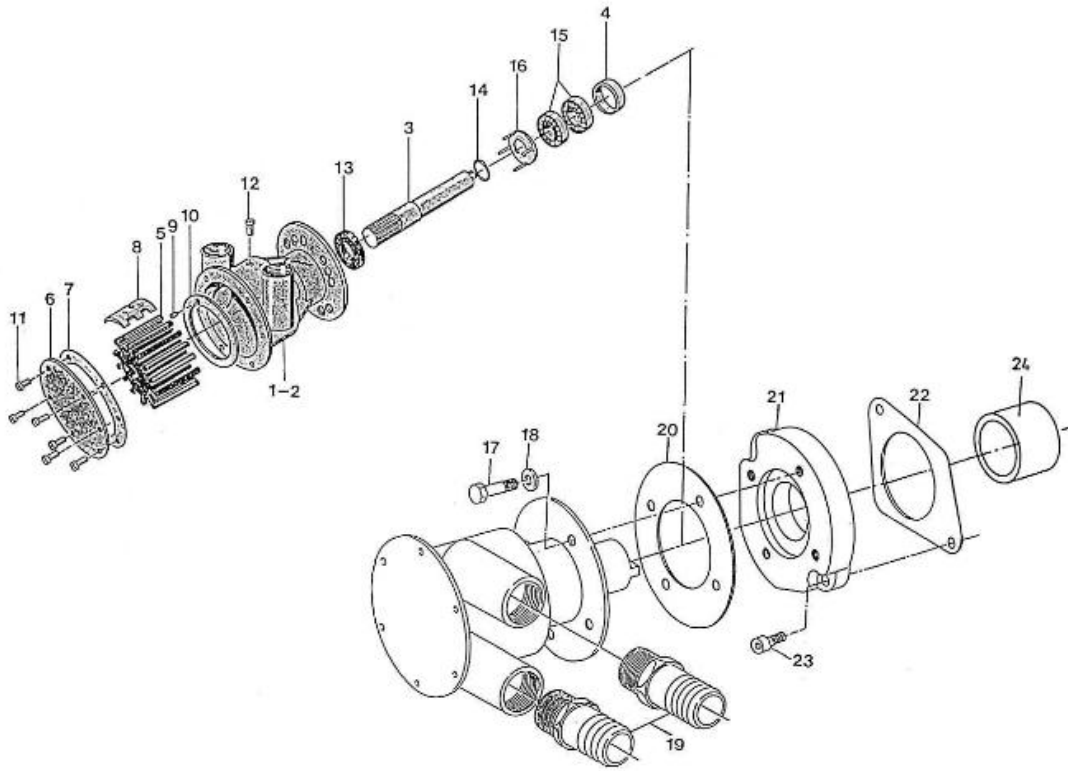
Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Seawater pump Ass

N.	Item	Description	Qty	Notes
1	970301725	PUMP,WATER F5B-9 4.190	1	
2	970302153	HOUSING,WATER PUMP F5B-9	1	
3	970302154	SHAFT,WATER PUMP F5B-9	1	
4	970303672	GUIDE,WATER PUMP F5B-9000	1	
5	970604530	IMPELLER,WATER PUMP F 5B-/9	1	
6	970303673	COVER,END W/PUMP F5B-9000	1	
7	970604529	GASKET,F5B	1	
8	970303674	CAM,WATER PUMP F5B-9000	1	
9	970303675	PIN,WATER PUMP F5B-9000	1	
10	970300891	PLATE,WEAR W/PUMP F5B-9000	1	
11	970303677	SCREW,COVER W/PUMP F5B-9000	6	
12	970303678	SCREW,CAM WATER PUMP F5B-9000	1	
13	970614516	RING,SEAL OIL W/PUMP F5B-9000	1	
14	970303679	O-RING,WATER PUMP F5B-9000	1	
15	970770251	BEARING,BAIL WATER PUMP F5B-90	2	
16	970303680	WASHER,WATER PUMP F5B-9000	1	
17	970439910	BOLT,HEX M 6X 16	4	
18	970609602	WASHER,CORRUGATED D 6	4	
19	970604515	CONNECTION,HOSE HBW-20	2	
20	970614511	GASKET,WATER PUMP F5B-9	1	
21	970302606	FLANGE,WATER PUMP (S5)	1	
22	970302610	GASKET,FLANGE W/PUMP (S5)	1	
23	970604615	BOLT,SOCK M 6X 20	2	
24	970307007	BEARING	1	



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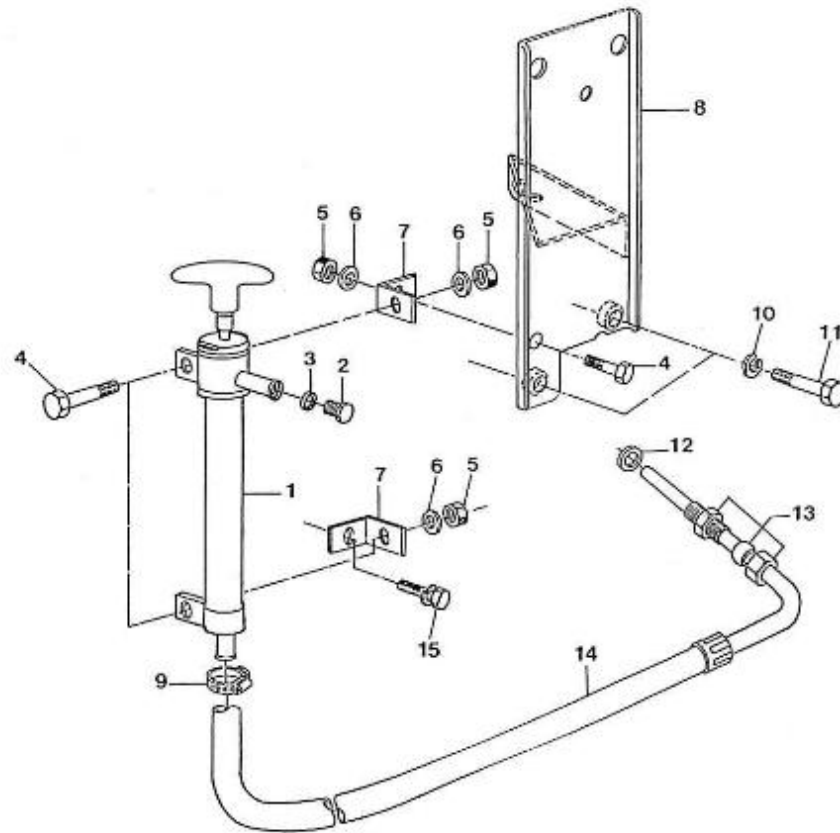
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Oil extraction pump



N.	Item	Description	Qty	Notes
1	970439302	PUMP,OIL EXTRACTION	1	
2	970832061	BOLT	1	
3	970300288	GASKET,M8	1	
4	970439910	BOLT,HEX M 6X 16	3	
5	970635460	NUT,M 6	3	
6	970119149	WASHER, SPRING D 6	3	
7	970302642	SUPPORT,OIL EXTRACTION PUMP S5	2	
8	970302604	SUPPORT,FUEL FILTER S5	1	
9	970439306	CLAMP,HOSE 11-17	1	
10	970119149	WASHER, SPRING D 6	2	
11	970302584	BOLT,HEX M 6X 60	2	
12	970300199	GASKET,RING D16	1	
13	970302269	COUPLING,FITTING D10	1	
14	970304001	HOSE,OIL EXTRACTION 4.150 CPL.	1	
15	970302736	BOLT,M 6X 45	1	
16	970302530	NUT,CONICAL	1	
17	970301092	COLLAR,D10	1	

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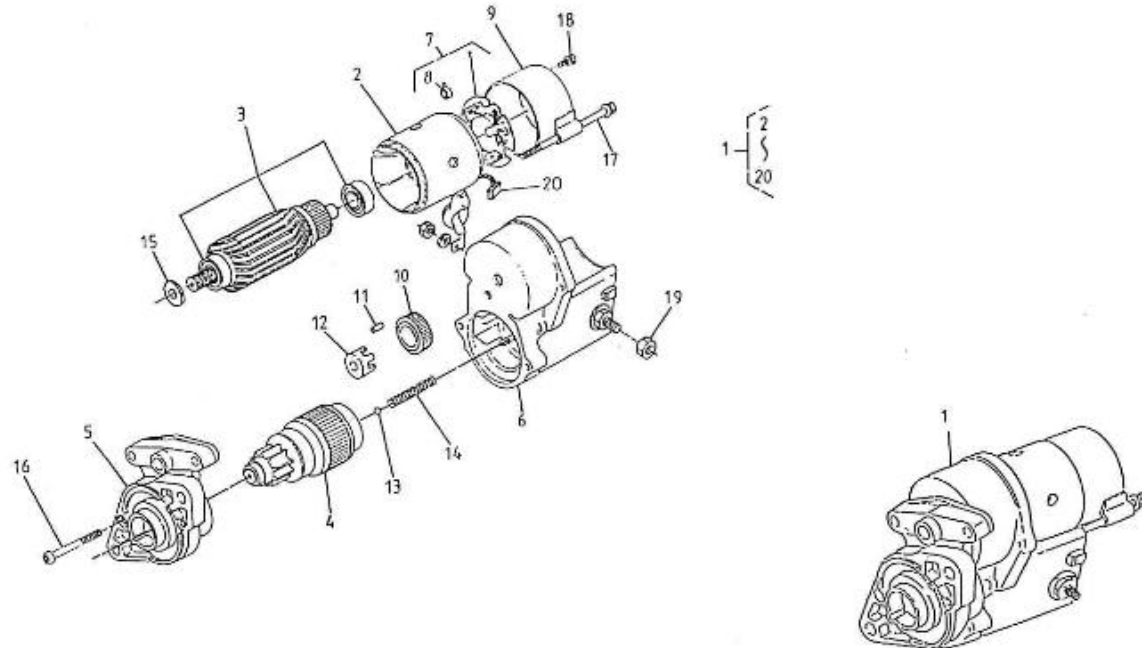
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Starter motor



N.	Item	Description	Qty	Notes
1	970517303	STARTER,MOTOR 12V 1,0KW 1P	1	
2	970517302	STATOR,4.110	1	
3	970517304	ROTOR,STARTER 4.110	1	
4	970517305	PINION,STARTER	1	
5	970517307	FRAME,DRIVE END-STARTER MOTOR	1	
6	970517306	HOLDER,MAGNET SWITCH	1	
7	970517317	HOLDER,BRUSH	1	
8	970517318	SPRING,BRUSH	4	
9	970517312	FRAME,END STARTER MOTOR 4.110H	1	
10	970517313	GEAR,2 STARTER MOTOR 4.110	1	
11	970517314	ROLLER,STARTER MOTOR 4.110	5	
12	970517315	BUSHING,PLASTIC (STARTER MOTOR	1	
13	970517316	BHEARING,BALL STARTER MOTOR	1	
14	970517319	SPRING,STARTER MOTOR 4.110	1	
15	970517320	WASHER,FELT	1	
16	970517321	SCREW	2	
17	970303964	BOLT	2	
18	970517323	BOLT	2	
19	970517324	NUT,STATER 4.110	1	
20	970303957	BRUSH	2	

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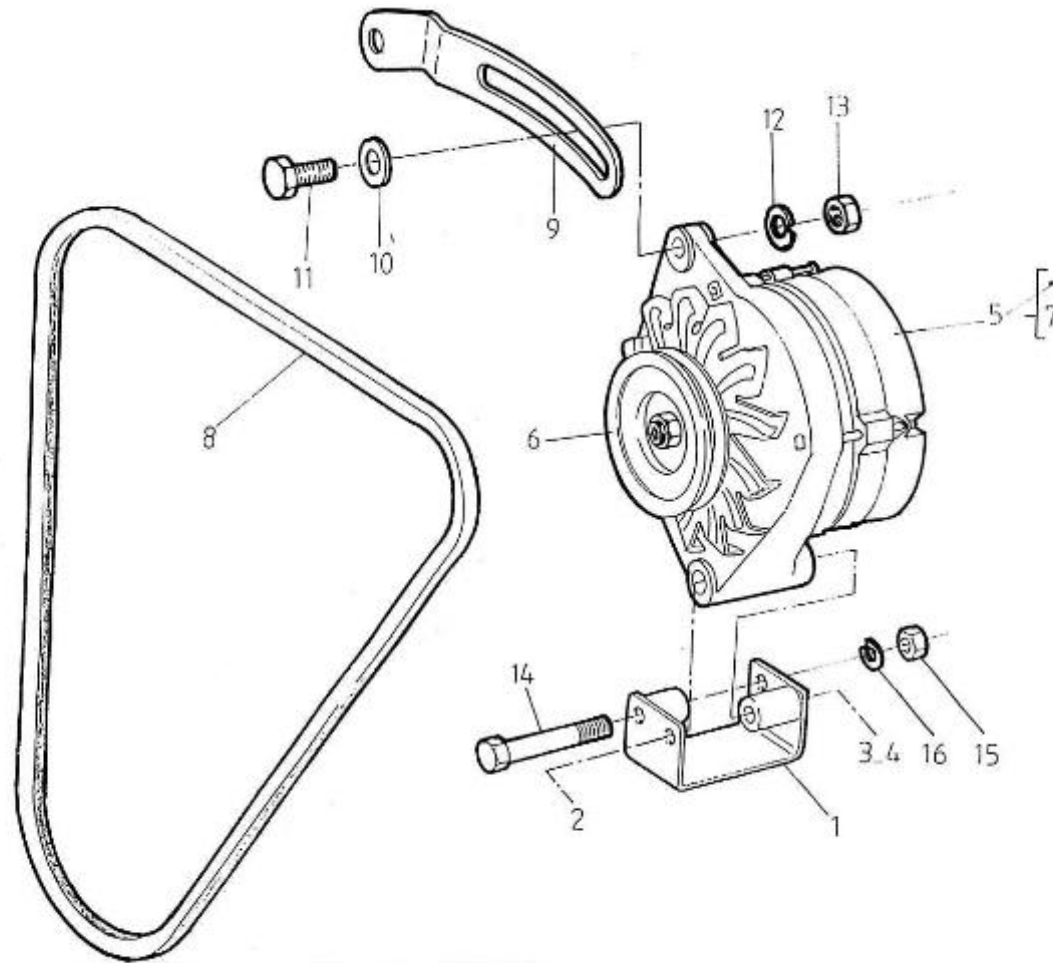
Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Alternator Assy.Std.

N.	Item	Description	Qty	Notes
1	970307539	SUPPORT,ALTERNATOR	1	
2	970307495	BOLT	1	
3	970039794	WASHER	1	
4	970307532	NUT	1	
5	970307522	ALTERNATOR,14V-60A	1	
6	970307194	PULLEY	1	
7	970307533	REGULATOR,ALTERNATOR	1	
8	970637399	V-BELT	1	
9	970307437	TIGHTENER,V-BELT	1	
10	970304050	WASHER	1	
11	970024016	BOLT,HEX M 8X 40	1	
12	970119138	WASHER,SPRING D 8	1	
13	970027322	NUT,M 8	1	
14	970644115	BOLT,HEX M10X 90	1	
15	970119143	NUT, M10	1	
16	970119136	WASHER,SPRING D10	1	

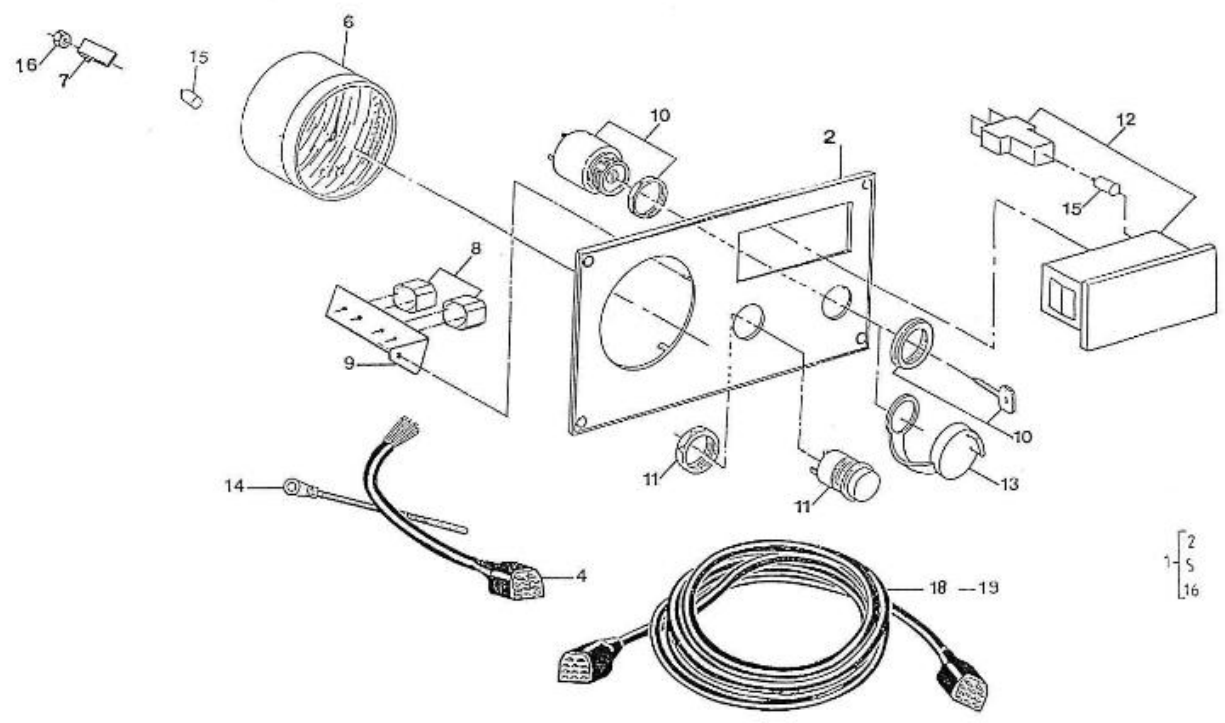


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Brand: NanniDiesel
 Model: Moteur 4.150HE
 Version: Standard
 Subassembly: Panel 1 instrument

N.	Item	Description	Qty	Notes
1	970302670	PANEL,1 INSTR.TACHO CPL VDO	1	
2	970302214	PLATE,PANEL 1 INSTRUMENT	1	
4	970302662	WIRING,PANEL 1 INSTR. (11P)	1	
6	970301642	GAUGE,VDO,TACH,4000 12-24V 2P	1	
7	970300920	CLAMP,INSTRUMENTS	4	
8	970302684	BUZZER,SONITRON SMA 24A P17.05	2	
9	970310182	SUPPORT	1	
10	970302667	SWITCH,BOSCH STARTER + GLOWING	1	
11	970300967	BUTTON,PUSH	1	
12	970856005	LIGTH WARNING	1	
13	970304021	COVER	1	
14	970304019	CABLEBINDER,PLASTIC 4.8X195	1	
15	970856011	BULB 12V-2W	5	
16	970301191	NUT,M 4 A2	4	
18	970302665	WIRING,INTERMEDIATE 4MTR 11POS	1	
19	970302666	WIRING,INTERMEDIATE 8MTR 11POS	1	



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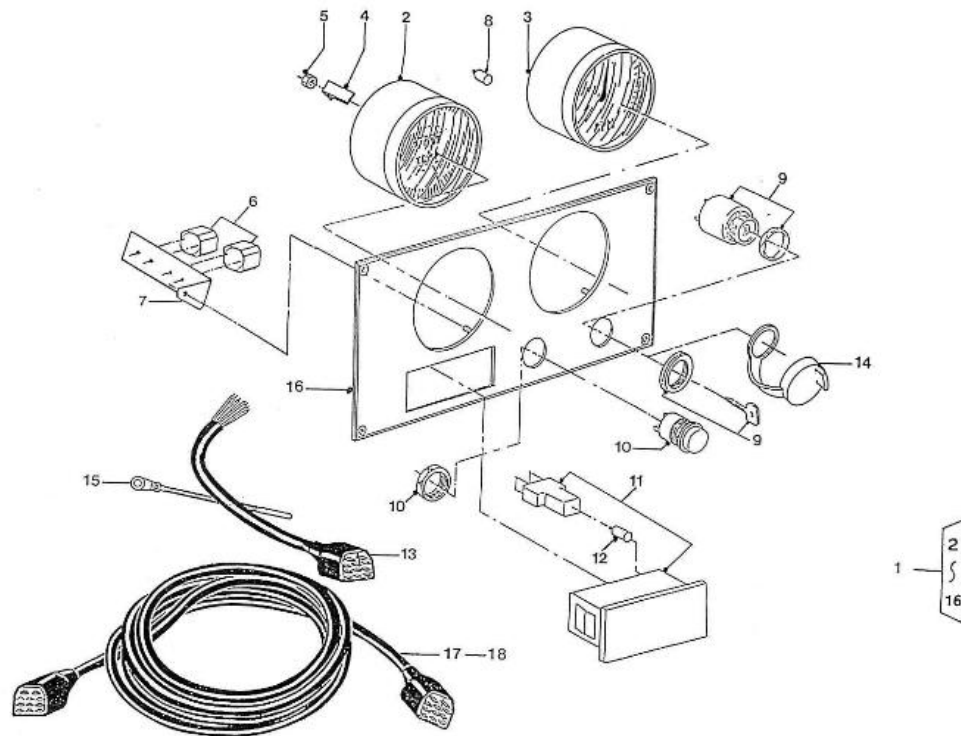
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Panel 2 instruments



N.	Item	Description	Qty	Notes
1	970302672	PANEL,2 INSTRUMENTS 12V CPL VD	1	
2	970301662	GAUGE,VDO,TEMP/VOLT 40-120,8-1	1	
3	970301642	GAUGE,VDO,TACH,4000 12-24V 2P	1	
4	970300920	CLAMP,INSTRUMENTS	8	
5	970301191	NUT,M 4 A2	8	
6	970302684	BUZZER,SONITRON SMA 24A P17.05	2	
7	970310182	SUPPORT	1	
8	970856011	BULB 12V-2W	2	
9	970302667	SWITCH,BOSCH STARTER + GLOWING	1	
10	970300967	BUTTON,PUSH	1	
11	970856005	LIGHT WARNING	1	
12	970856011	BULB 12V-2W	4	
13	970302663	WIRING,PANEL 2INSTR. ADDITION	1	
14	970304021	COVER	1	
15	970304019	CABLEBINDER,PLASTIC 4.8X195	1	
16	970302669	PLATE,PANEL 2 INSTR W/SW GLOW/	1	
17	970302665	WIRING,INTERMEDIATE 4MTR 11POS	1	
18	970302666	WIRING,INTERMEDIATE 8MTR 11POS	1	

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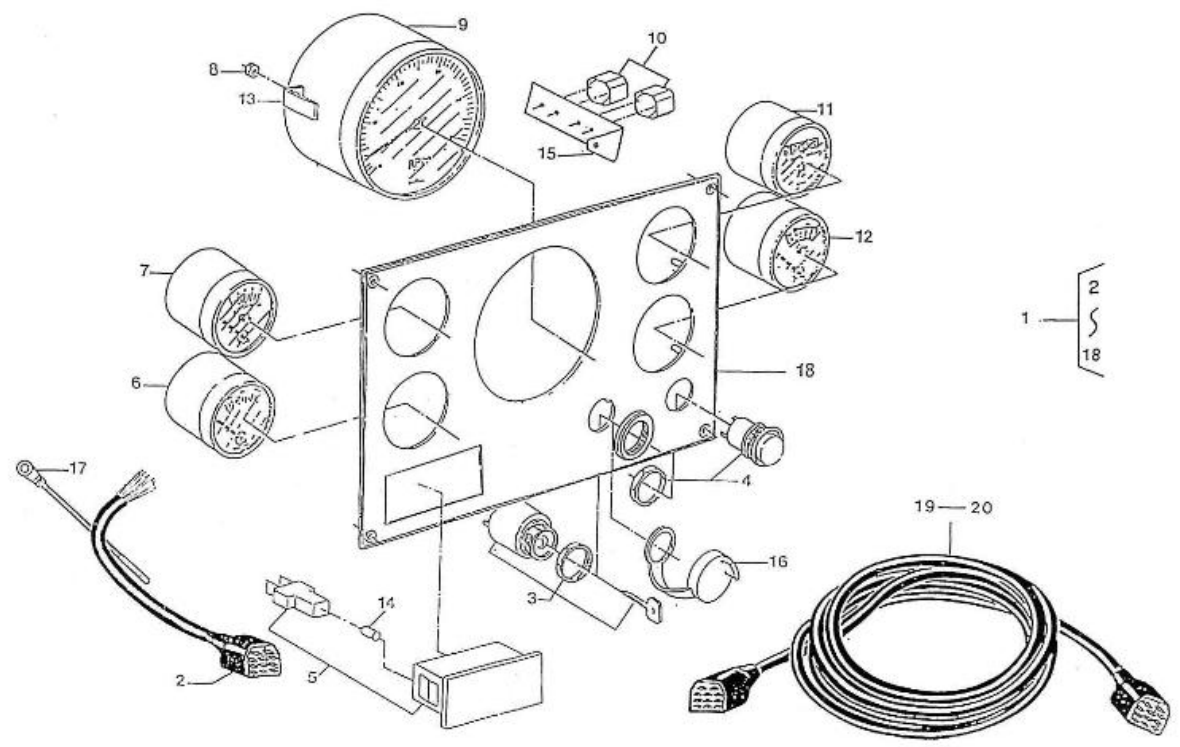
Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Panel 5 instruments

N.	Item	Description	Qty	Notes
1	970302674	PANEL,5 INSTR. 4000RPM 12V VDO	1	
2	970304004	WIRING,PANEL 5INSTR. CPL. (11P)	1	
3	970302667	SWITCH,BOSCH STARTER + GLOWING	1	
4	970300967	BUTTON,PUSH	1	
5	970856005	LIGHT WARNING	1	
6	970850603	THERM.V. 120C 12V D52	1	
7	970850705	OIL PRESSURE GAUGE 5B	1	
8	970301191	NUT,M 4 A2	12	
9	970301642	GAUGE,VDO,TACH,4000 12-24V 2P	1	
10	970302684	BUZZER,SONITRON SMA 24A P17.05	2	
11	970300742	GAUGE,VDO,HOUR,2P,D 52	1	
12	970850801	VOLTMETER	1	
13	970300920	CLAMP,INSTRUMENTS	12	
14	970856011	BULB 12V-2W	9	
15	970310182	SUPPORT	1	
16	970304021	COVER	1	
17	970304019	CABLEBINDER,PLASTIC 4.8X195	1	
18	970300790	PLATE,PANEL 5 INSTRUMENTS VDO	1	
19	970302665	WIRING,INTERMEDIATE 4MTR 11POS	1	
20	970302666	WIRING,INTERMEDIATE 8MTR 11POS	1	



PANEL "C" (Optional equipment)

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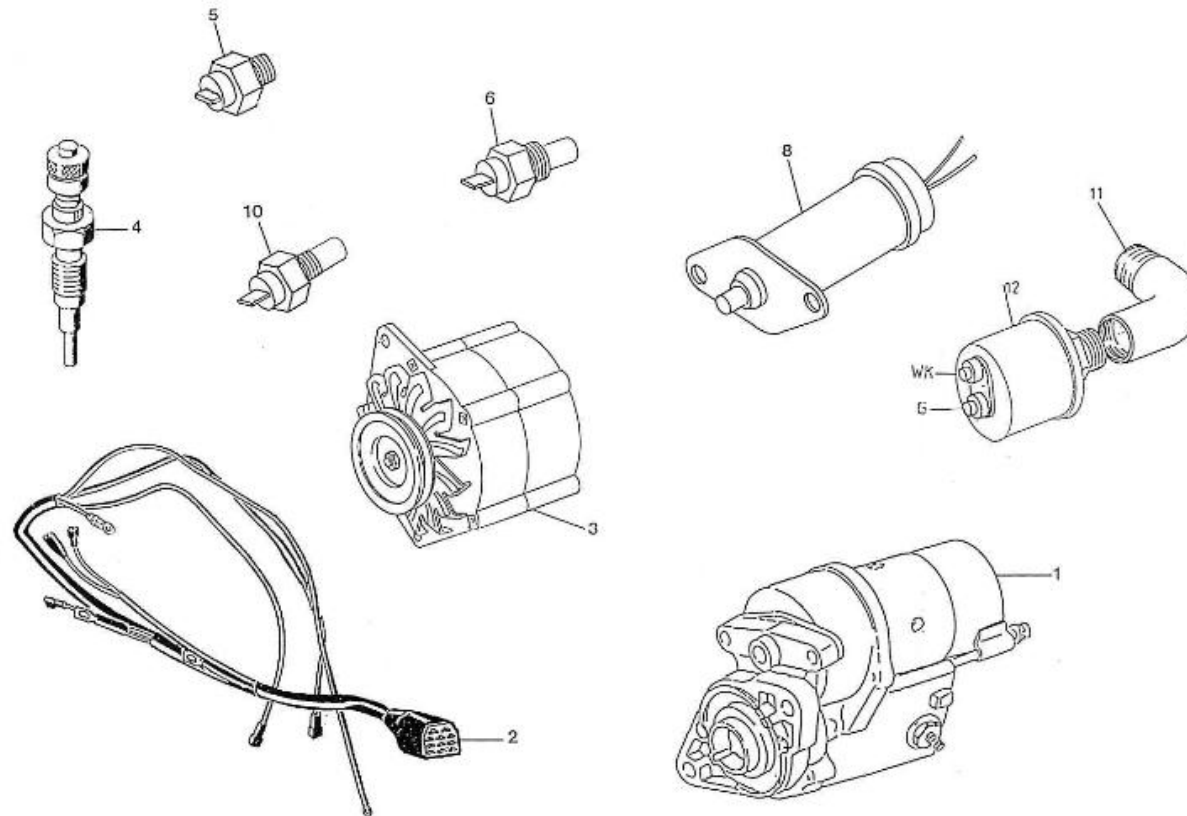
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Electrics



N.	Item	Description	Qty	Notes
1	970517303	STARTER,MOTOR 12V 1,0KW 1P	1	
2	970302661D	WIRING	1	
3	970437500	ALTERNATOR,14V-55A MOTOROLA	1	
4	970302821	GLOWPLUG,4.150	1	
5	970851700	SWITCH,OIL	1	
6	970851602	WATER TEMPERATURE SENDER	1	
8	970302869	SOLENOID,STOP 4.150	1	
10	970304054	TEMPERATURE SWITCH 1/8 1P 97°C	1	
11	970493207	ELBOW,1/8X10X1,5MF	1	
12	970307091	OIL PRESSURE SENDER	1	

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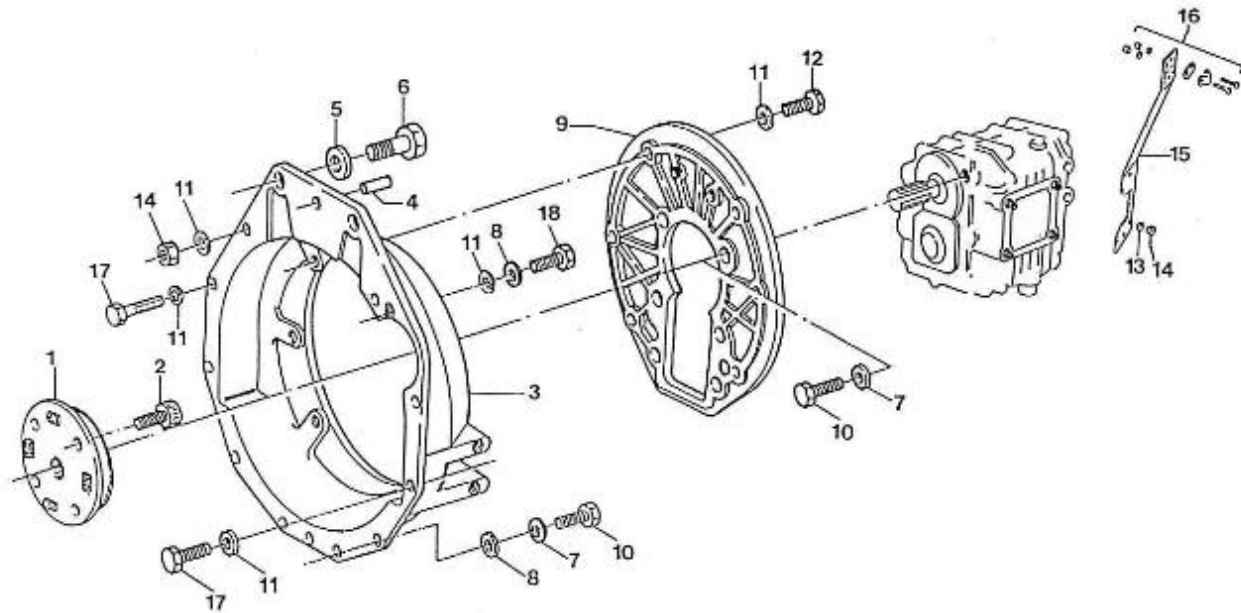
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Flywheel housing



N.	Item	Description	Qty	Notes
1	970776350	DAMPERPLATE	1	
2	970119147	BOLT, SOCK M 6X12	8	
3	970301400	HOUSING, FLYWHEEL (S5 H/HE)	1	
4	970304063	PIN	1	
5	970119137	WASHER, CORRUGATED D10	2	
6	970304013	BOLT, HEX M10X1.25X 35	2	
7	970119139	WASHER, CORRUGATED D8	12	
8	970119138	WASHER, SPRING D 8	1	
9	970301709	PLATE, ADAPTOR HBW50-100-150	1	
10	970119141	BOLT, HEX M8X 20	6	
11	970119137	WASHER, CORRUGATED D10	6	
12	970635508	BOLT, HEX M10X 25	6	
13	970119139	WASHER, CORRUGATED D8	2	
14	970027322	NUT, M 8	2	
15	970300373	SUPPORT, CONTROL HBW	1	
16	970835020	CLAMP	1	
17	970498003	BOLT, SOCK M 8X 25	2	
18	970635917	BOLT, SOCK M 8X 40	1	

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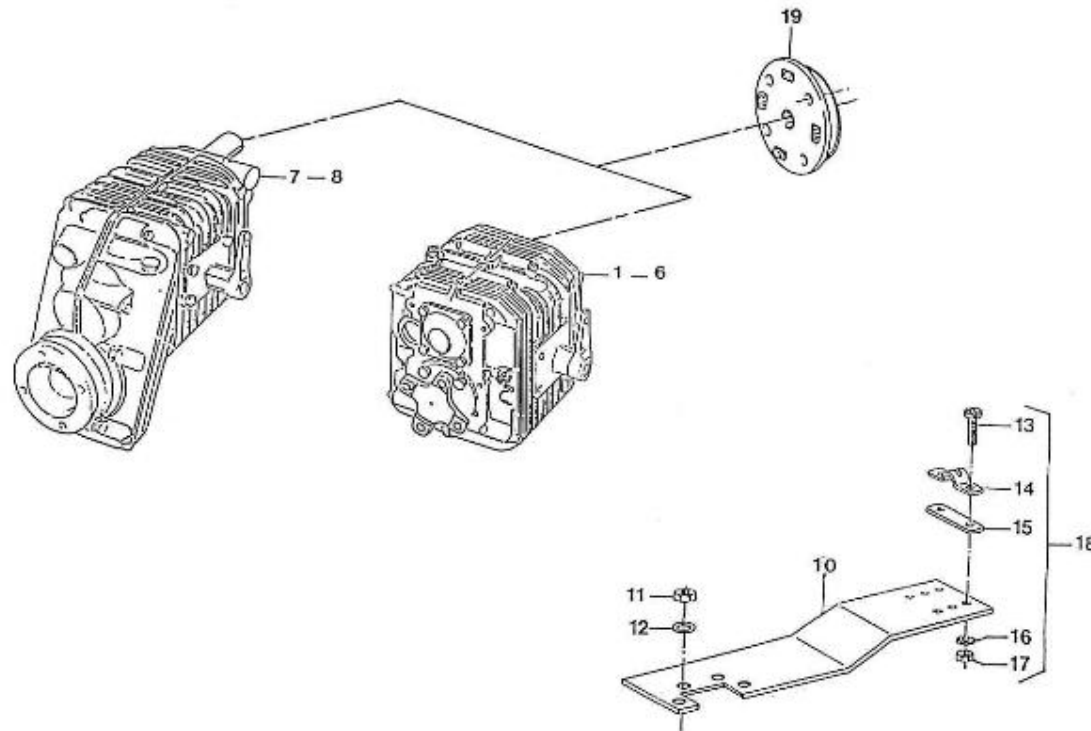
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Reversing gear



N.	Item	Description	Qty	Notes
1	970776011	GEARBOX,HBW100 -1,79R	1	
2	970776012	GEARBOX,HBW100 -2,72R	1	
3	970776330	GEARBOX	1	
4	970307530	GEARBOX	1	
5	970776343	GEARBOX	1	
6	970776342	GEARBOX	1	
7	970776340	GEARBOX	1	
8	970776335	GEARBOX	1	
10	970300373	SUPPORT,CONTROL HBW	1	
11	970027322	NUT,M 8	2	
12	970119139	WASHER,CORRUGATED D8	2	
13	970300317	BOLT,HEX M 5X 16	2	
14	970300315	CLAMP,CABLE	1	
15	970300316	PLATE,CLAMP	1	
16	970300318	WASHER,SPRING D 5	2	
17	970609904	NUT,M 5	2	
18	970835020	CLAMP	1	
19	970776350	DAMPERPLATE	1	

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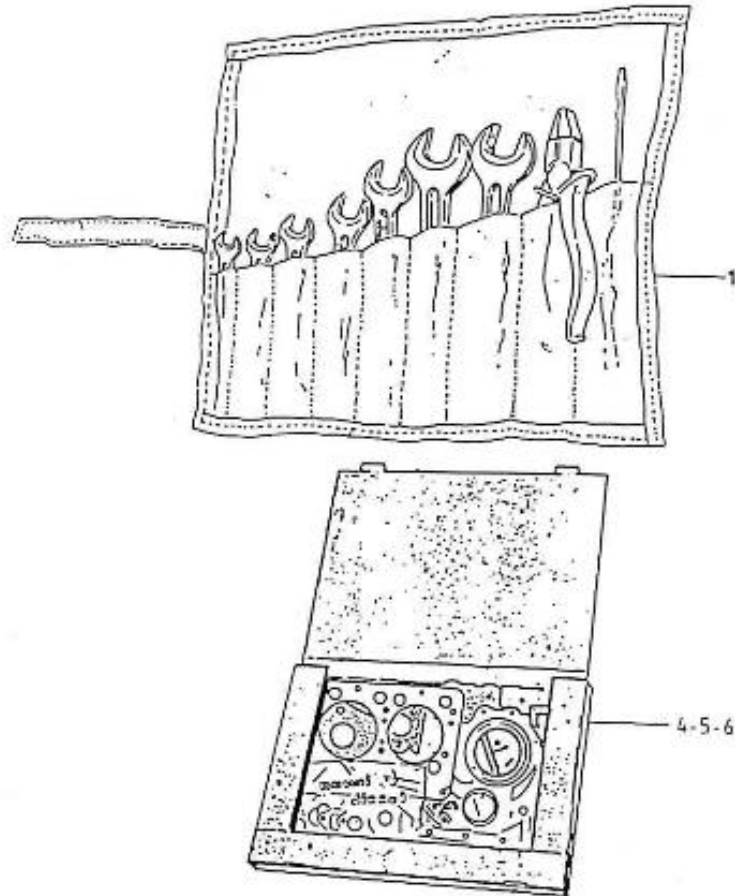
Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Tools gasket set

N.	Item	Description	Qty	Notes
1	970609901	KIT,TOOLS	1	
4	970307172	SET OF GASKETS	1	
5	970307173	KIT GASKET (L) NA	1	
6	970307175	SET OF GASKETS	1	



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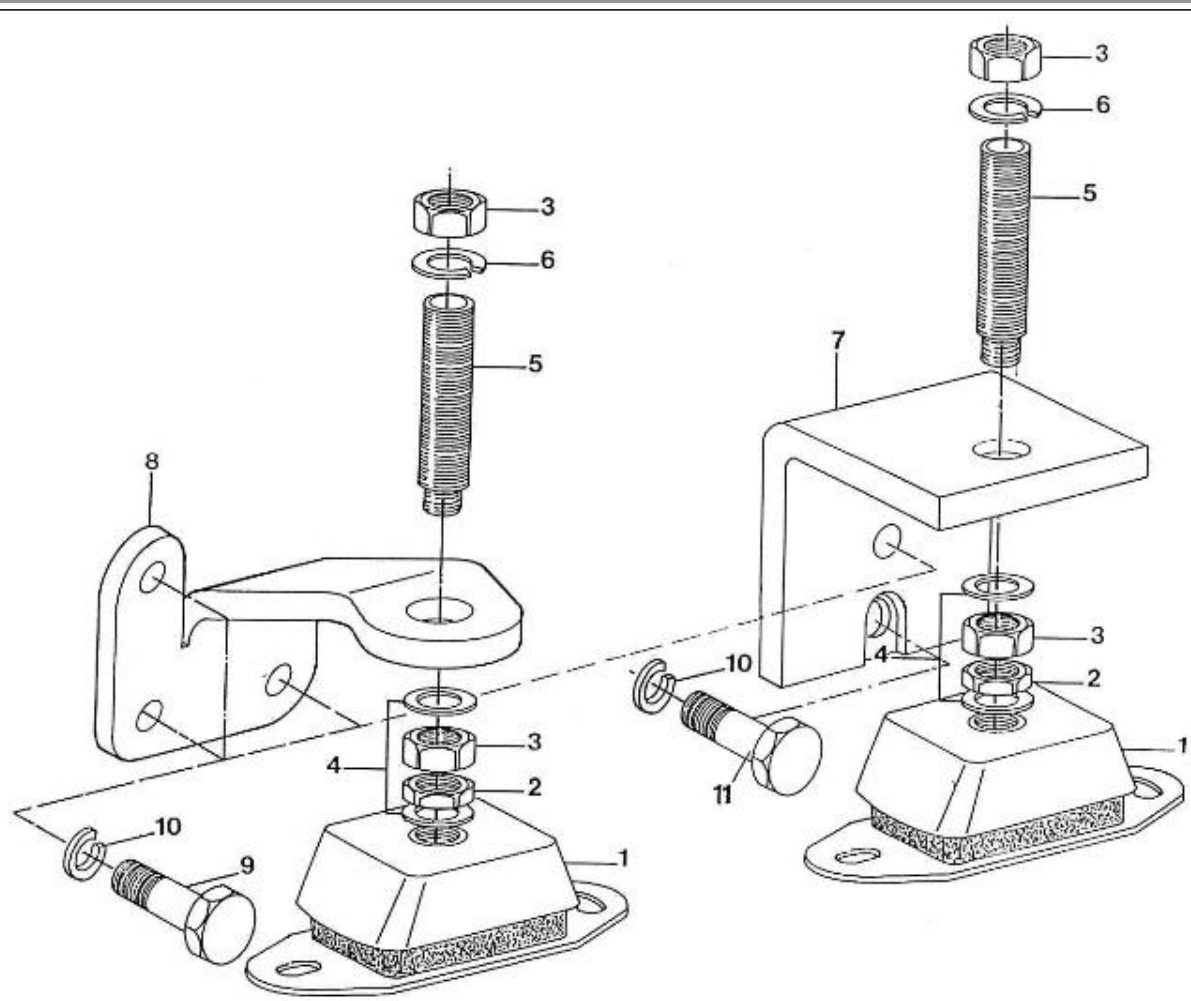
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Engine mount



N.	Item	Description	Qty	Notes
1	970301794	MOUNT,RUBBER CPL.40 SMALL	4	
2	970302270	NUT,M16X1,5 LOW	4	
3	970302271	NUT,M16X1,5	8	
4	970649108	WASHER,PLAIN D16	8	
5	970302234	ROD,THREADED M16X 95 - M12	4	
6	970649109	WASHER,SPRING D16	4	
7	970301419	SUPPORT,MOUNT REAR	2	
8	970301418	SUPPORT,MOUNT FRONT (S5)	2	
9	970499051	BOLT,HEX M10X1,25X 30	8	
10	970119136	WASHER,SPRING D10	10	
11	970300044	BOLT,HEX M10X1,25X 25	2	

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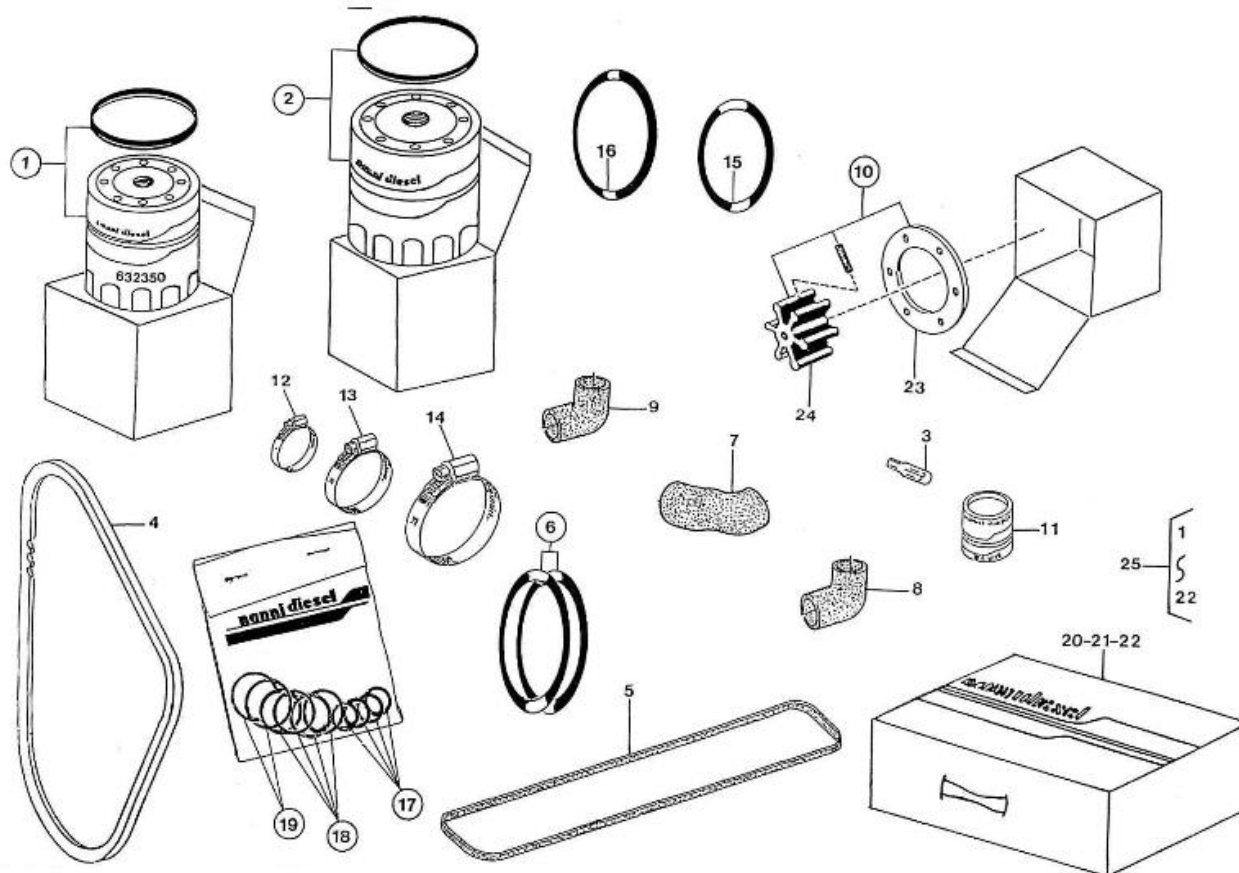
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Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Spare parts kit



N.	Item	Description	Qty	Notes
1	970622350	FILTER,FUEL	1	
2	970302742	FILTER,ELEMENT OIL 4.150 3.110	1	
3	970856011	BULB 12V-2W	1	
4	970637399	V-BELT	1	
5	970302765	GASKET,COVER CYL:HEAD 4.150	1	
6	970301719	O-RING,68,00X4,00	2	
7	970301714	HOSE,D32 COVER THERMO.4.190	1	
8	970301713	HOSE,ELBOW COVER HEATEX.4.190	1	
9	970302630	HOSE	1	
10	970604591	SET,IMPELLER W/PUMP 4.110-190-	1	
11	970301521	PAINT,NANNI BLUE 125CC	1	
12	970439306	CLAMP,HOSE 11-17	2	
13	970300922	CLAMP,HOSE 26-38	2	
14	970604533	CLAMP,HOSE 32-44	1	
15	970302609	O-RING	1	
16	970302608	O-RING	1	
17	970300288	GASKET,M8	4	
18	970300306	GASKET,RING D14	4	
19	970300199	GASKET,RING D16	2	
20	970310008	CASE	1	
21	970301347	INSERT,CASE	1	
22	970301348	INSERT,CASE BOTTOM	1	
23	970604529	GASKET,F5B	1	
24	970604530	IMPELLER,WATER PUMP F 5B/-9	1	
25	970302600	CASE,SPARE PARTS CPL.4.150HE	1	

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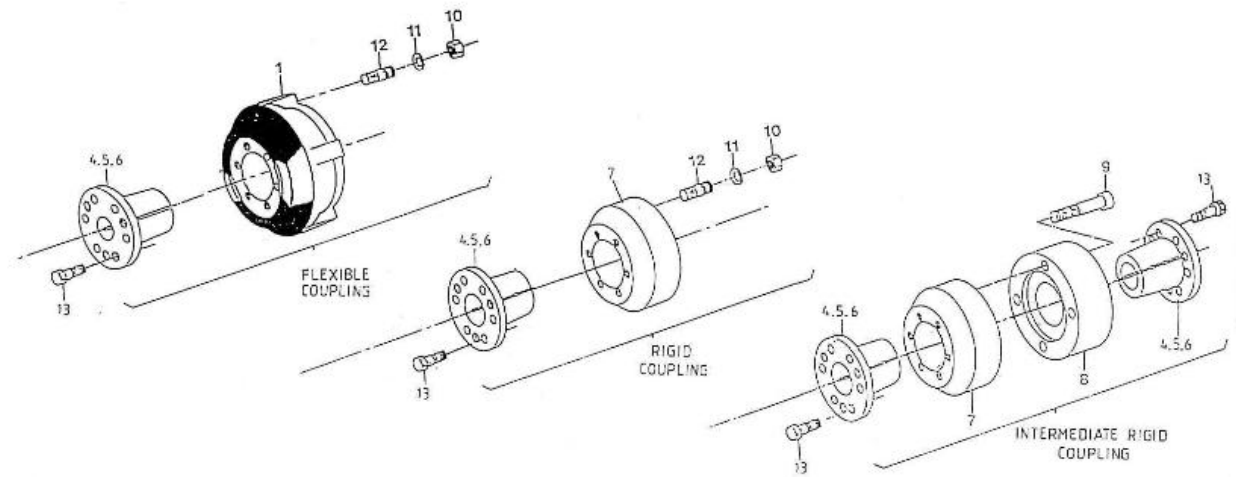
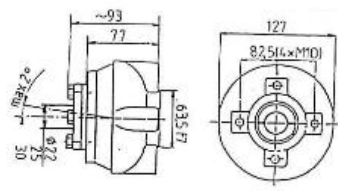
Brand: NanniDiesel

Model: Moteur 4.150HE

Version: Standard

Subassembly: Shaft coupling

N.	Item	Description	Qty	Notes
1	970300733	FLEXIBLE COUPLING 4 P	1	
4	970301226	"CONE,CLAMPING 4" 22"	1	
5	970301104	"CONE,CLAMPING 4" 25"	1	
6	970301105	"CONE,CLAMPING 4" 30"	1	
7	970301222	COUPLING	1	
8	970301221	COUPLING	1	
9	970609157	BOLT,SOCK M10X 55	4	
10	970119143	NUT, M10	4	
11	970119136	WASHER,SPRING D10	4	
12	970621020	STUD,M10X 22	4	
13	970409603	BOLT,HEX M 8X 25	6	
14	970307180	FLEXIBLE COUPLING	1	
15	970307181	FLEXIBLE COUPLING	1	
16	970307182	FLEXIBLE COUPLING	1	
17	970307183	FLEXIBLE COUPLING	1	
18	970307184	FLEXIBLE COUPLING	1	
19	970307185	FLEXIBLE COUPLING	1	
20	970307186	FLANGE	1	
21	970307187	FLANGE	1	
22	970307191	SET OF GASKETS	1	



4" MAX. TORQUE 18 Kgm, 2,5HP/100 RPM

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