

SPARE PARTS CATALOGUE

Brand: NANNI DIESEL

Model: Moteur 3.110HE

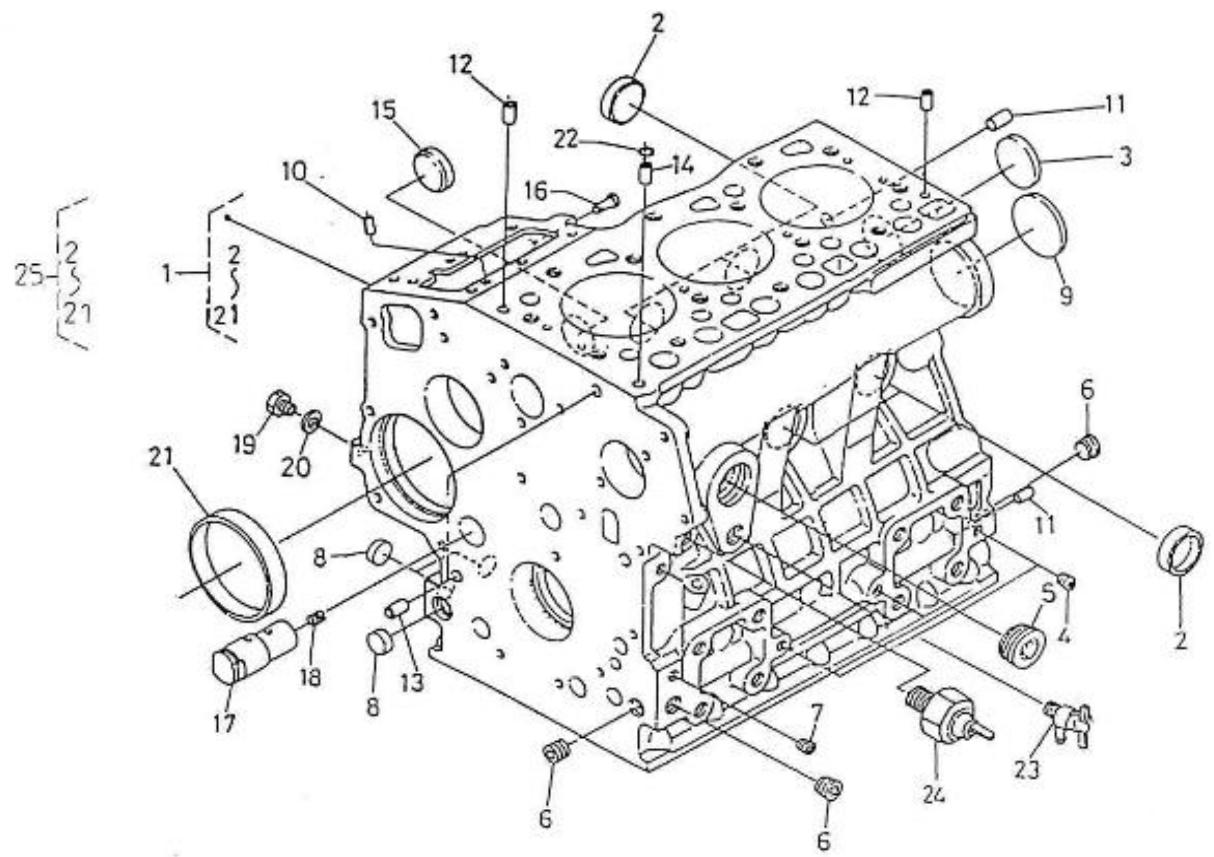
Version: Standard

Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Crank case / Cylinders



N.	Item	Description	Qty	Notes
1	970304109	CRANKCASE,CPL.3.110	1	
2	970140104	CAP, FREEZE	4	
3	970301938	CAP,FREEZE	1	
4	970490107	PLUG,SOCK (SERRAGE A 6NM + LOCTITE 542)	3	
5	970310311	PLUG (<= N°KT08090422)	1	
6	970302703	PLUG,SOCK	3	
7	970490108	PLUG,SOCK	2	
8	970301903	PLUG	3	
9	970301904	PLUG,EXPANSION	1	
10	970140109	PIN, CYLINDRICAL	2	
11	970490111	PIN,CYLINDRICAL	2	
12	970302705	WIRING,INTERMEDIATE 6MTR - 11POS	2	
13	970490113	PIN,PIPE	2	
14	970302706	PIN,PIPE	1	
15	970302707	CAP,FREEZE	1	
16	970304110	PIN,START SPRING	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 (<= N°KTH0804182)	1	
23	970140114	PLUG, DRAIN -400	1	
24	970851700	SWITCH,OIL	1	

V. 30/04/2012

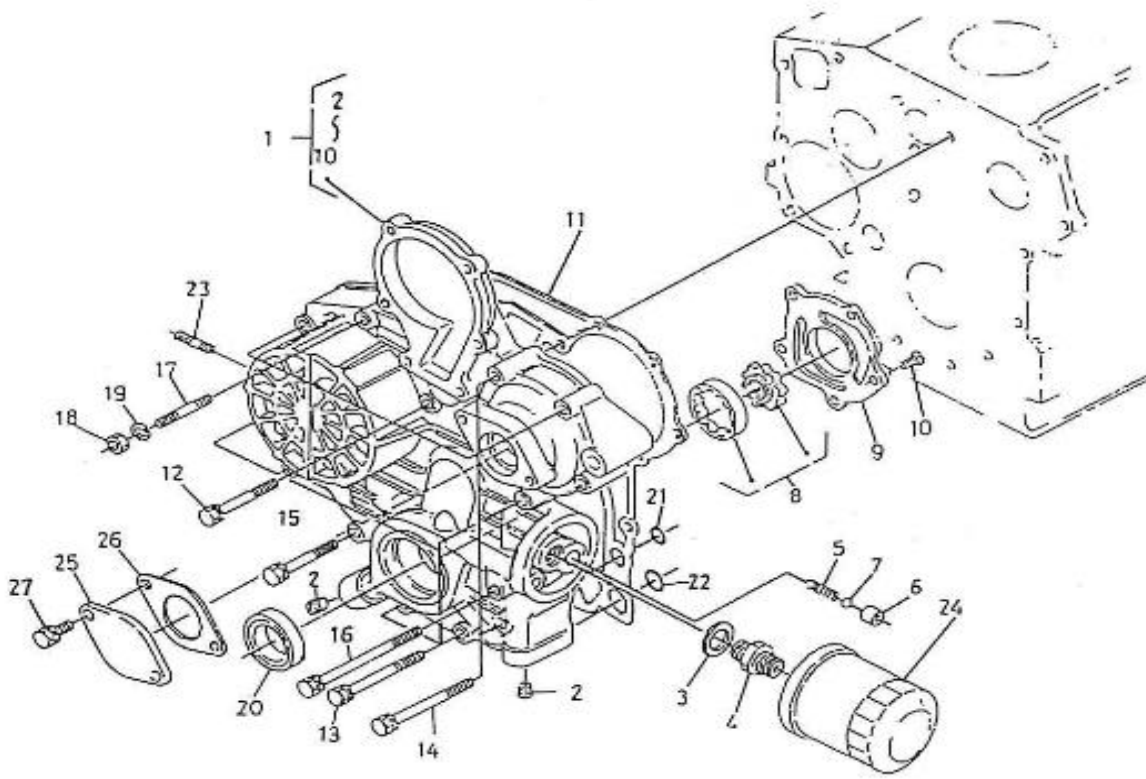
Pag. 2/37

Brand: NanniDiesel

Model: Moteur 3.110HE

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 (A PARTIR DU N°KTH08040183)	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 (BEFORE N°KTE08070398)	1	
19	970119149	WASHER, SPRING D 6 (Pour protection injecteur)	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	

V. 30/04/2012

Pag. 3/37

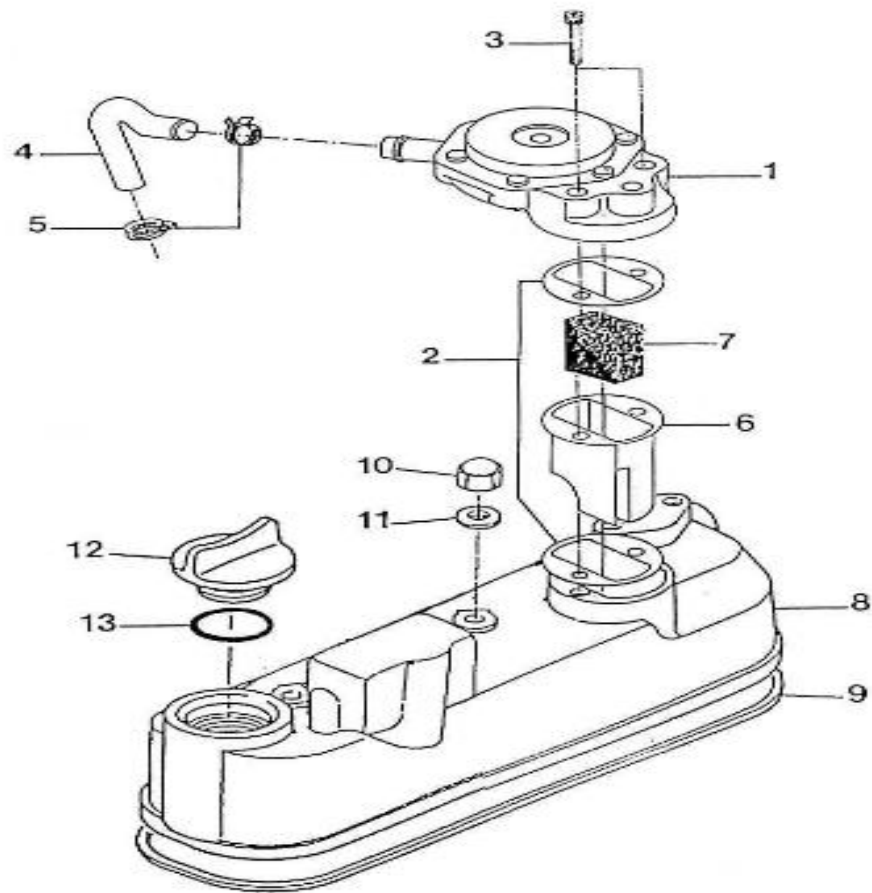
Brand: NanniDiesel

Model: Moteur 3.110HE

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	970302832	COVER,CYLINDER HEAD 3.110	1	
9	970302833	GASKET,COVER CYL:HEAD 3.110	1	
10	970490503	NUT,CAP	4	
11	970490505	GASKET,RING	4	
12	970490510	CAP,FILLING OIL	1	
13	970490511	O-RING	1	



V. 30/04/2012

Pag. 5/37

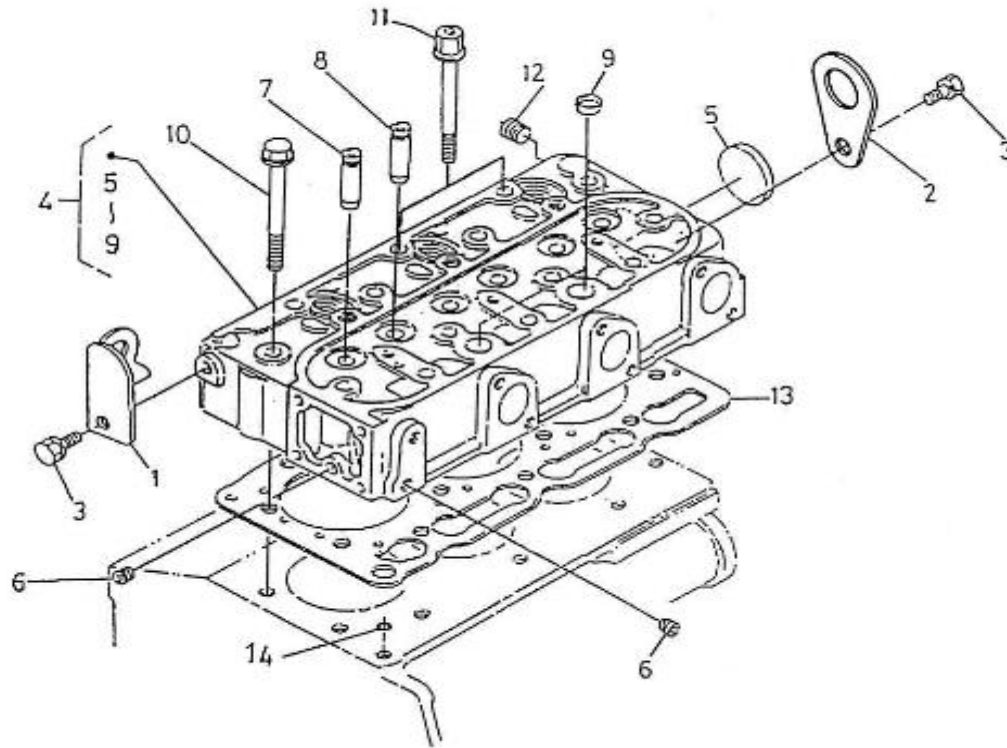
Brand: NanniDiesel

Model: Moteur 3.110HE

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	970313311	BOLT	2	
4	970303998	HEAD,CYLINDER CPL 3.110	1	
5	970140904	CAP, FREEZE	1	
6	970490107	PLUG, SOCK (SERRAGE A 6NM + LOCTITE 542)	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	12	
11	970302724	BOLT,CYL:HEAD	2	
12	970140908	PLUG, CYL:HEAD 2.40	1	
13	970303999	GASKET,CYL:HEAD 3.110	1	
14	970490116	O-RING (<= N°KTH0804182)	1	



V. 30/04/2012

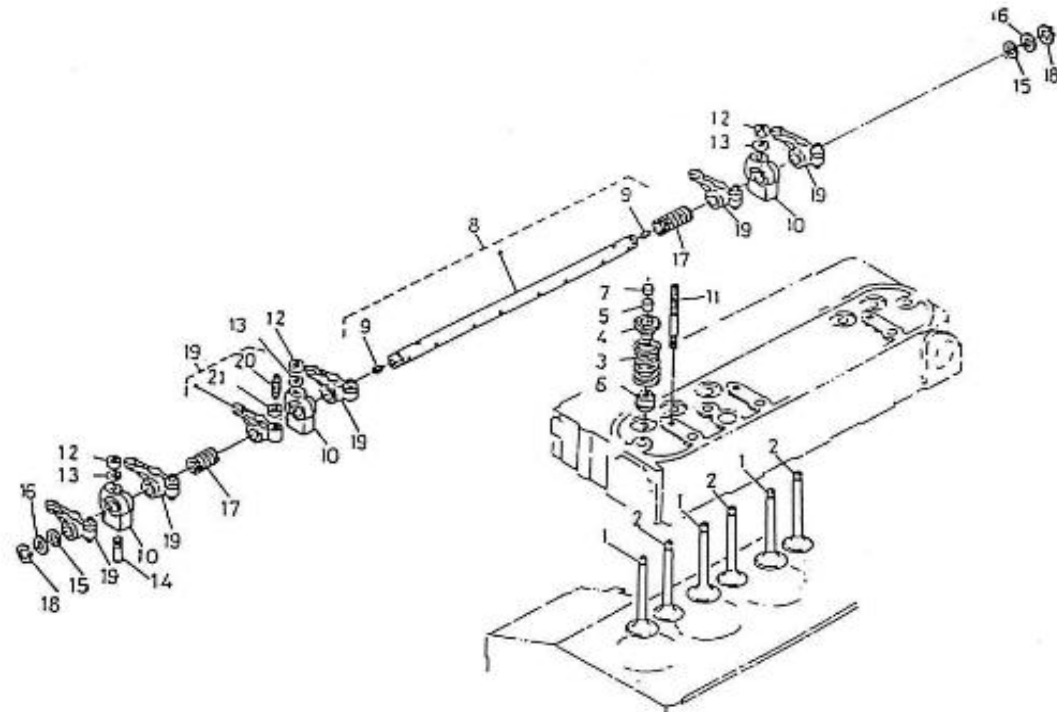
Pag. 6/37

Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Valves & Springs



N.	Item	Description	Qty	Notes
1	970302780	VALVE,INTAKE 4.150	3	
2	970302781	VALVE,EXHAUST 4.150	3	
3	970302782	SPRING,VALVE (<= N*KT08090422)	6	
4	970491004	RETAINER,VALVE SPRING	6	
5	970491005	COLLET,VALVE SPRING	6	
6	970311008	INLET VALVE SEAL	6	
7	970491007	CAP,VALVE	6	
8	970304113	ASSY SHAFT,R-ARM	1	
9	970302786	BOLT	2	
10	970302787	BRACKET,ROCKER ARM	3	
11	970302788	STUD	3	
12	970491013	NUT	3	
13	970491014	WASHER,PLAIN	3	
14	970491015	SCREW,SET	1	
15	970302789	WASHER,1	2	
16	970302790	WASHER,2	2	
17	970302791	SPRING,ROCKER,ARM	2	
18	970302792	CIR-CLIP,EXTERNAL	2	
19	970313394	ASSY ROCKER ARM	6	
20	970302794	SCREW,ADJUSTING	6	
21	970302795	NUT	6	

V. 30/04/2012

Pag. 7/37

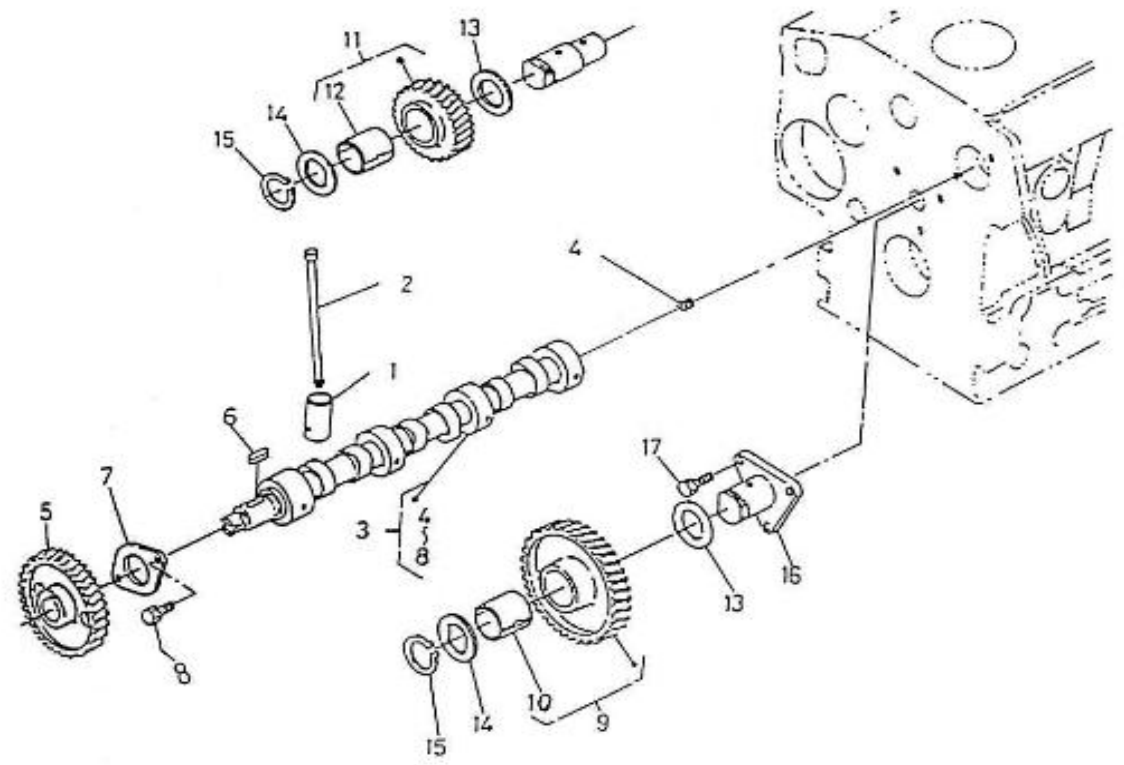
Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Camshaft

N.	Item	Description	Qty	Notes
1	970491101	TAPPET (BEFORE N°KTE08070398)	6	
2	970302796	ROD,PUSH	6	
3	970304114	ASSY CAMSHAFT	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	



V. 30/04/2012

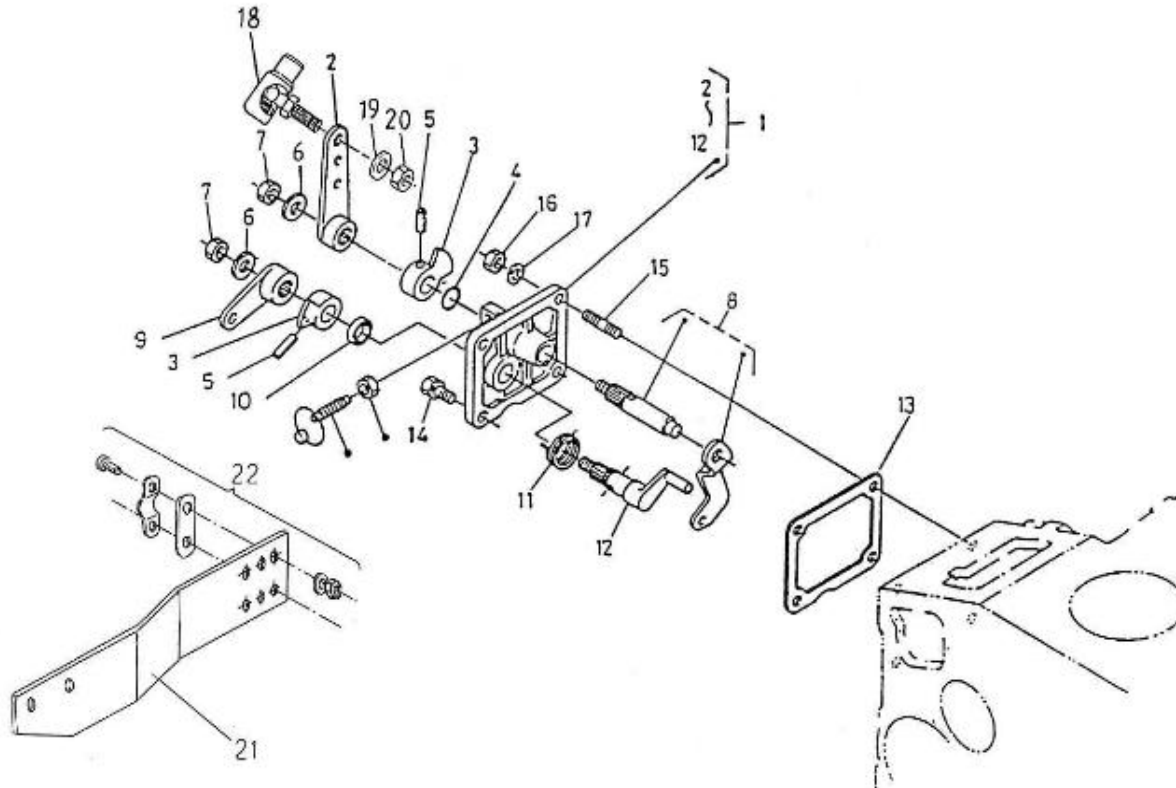
Pag. 8/37

Brand: NanniDiesel

Model: Moteur 3.110HE

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 (BEFORE N°KTE08070398)	2	
17	970119149	WASHER, SPRING D 6 (Pour protection injecteur)	2	
18	970830124	JOINT	1	
19	970119149	WASHER, SPRING D 6 (Pour protection injecteur)	1	
20	970635460	NUT,M 6	1	
21	970302607	SUPPORT,ACC.CONTROL (S5)	1	
22	970835020	CLAMP	1	

V. 30/04/2012

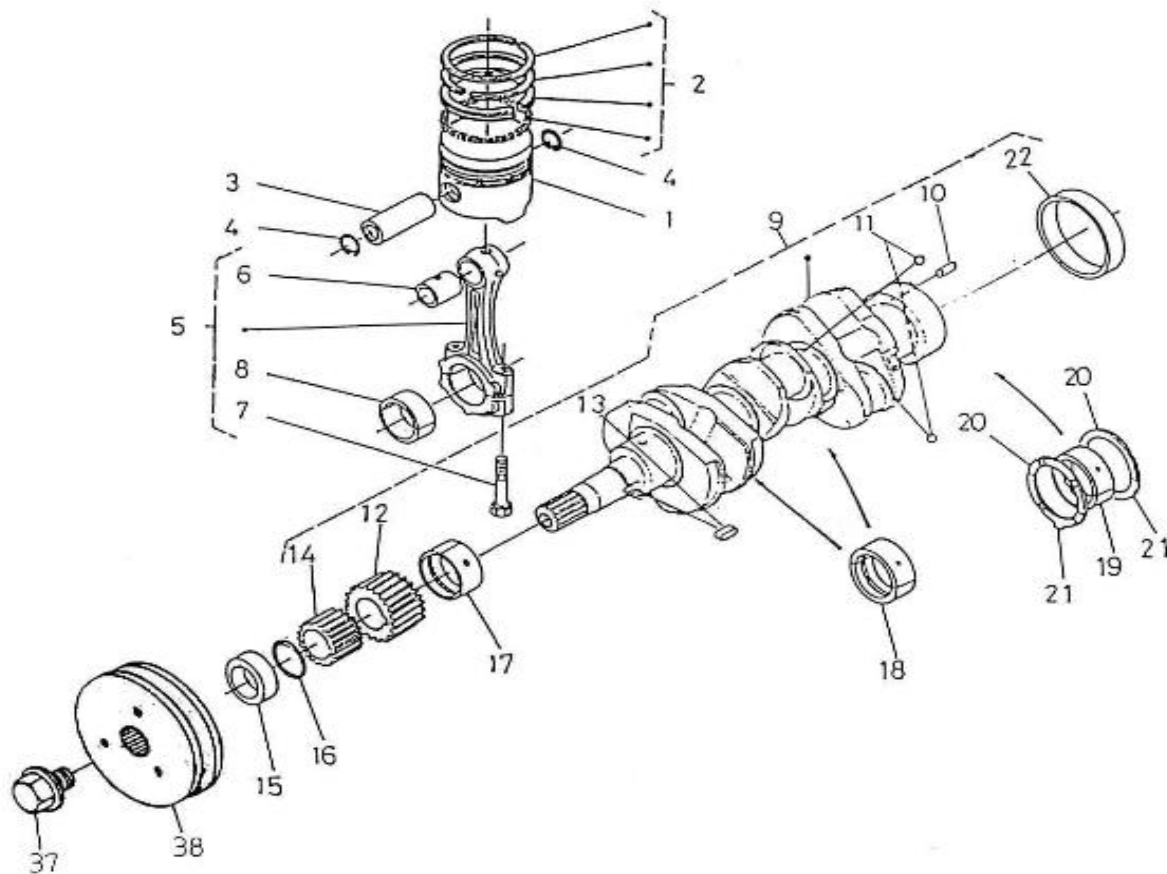
Pag. 9/37

Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Crankshaft pistons



N.	Item	Description	Qty	Notes
1	970302888	Replaced by 970315155+022 - 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	970315488	ASSY ROD,CONNECTING (<= N°KT08090422)	4	
6	970302893	BUSH,CONN.ROD (=> N°KT08090423)	4	
7	970302894	BOLT,CONN.ROD	8	
8	970302895	METAL,CONN.ROD STD.-SET-	4	
9	970304115	COMP CRANKSHAFT	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. (<= N°KT08090422)	1	
18	970302905	METAL,CRANKSHAFT 2 STD. -SET-	3	
19	970315453	METAL,CRANKSHAFT	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	970307345	METAL,SIDE 1-02	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	

V. 30/04/2012

Pag. 10/37

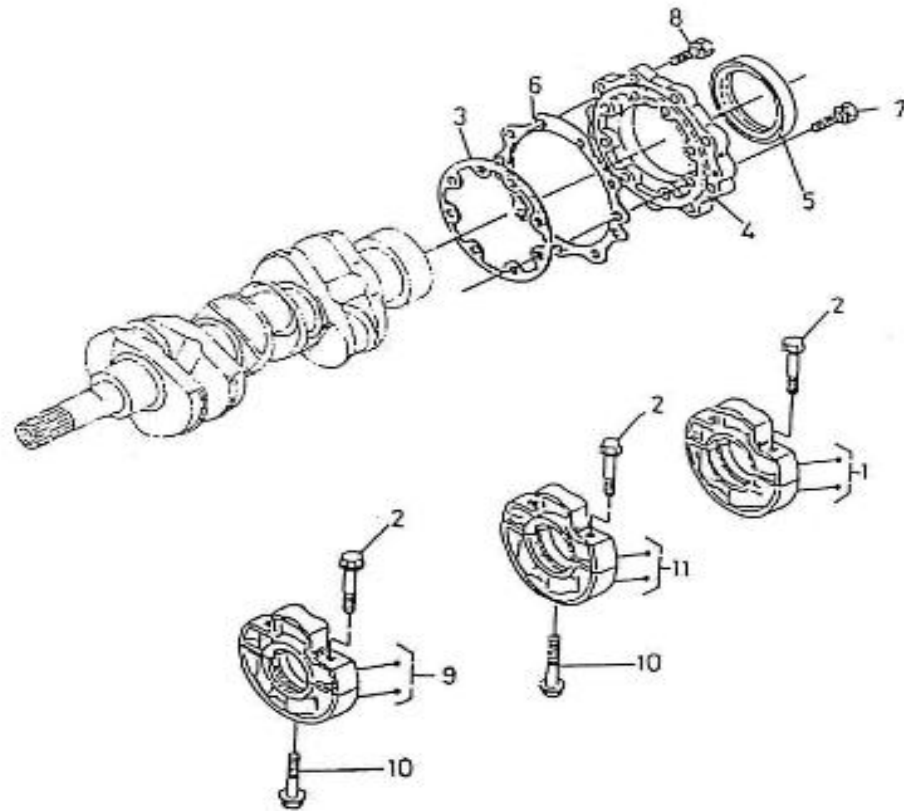
Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Crankshaft

N.	Item	Description	Qty	Notes
1	970302754	BEARING,MAIN ASSY 4.150 (=> N°KT08090423)	1	
2	970302755	BOLT,BEARING CASE N01	6	
3	970302756	GASKET,BEARING CASE	1	
4	970315431	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 (<= N°KT08090422)	1	
10	970302761	BOLT,BEARING CASE N02	2	
11	970302762	BEARING,MAIN ASSY N02 4.150 (<= N°KT08090422)	1	



V. 30/04/2012

Pag. 11/37

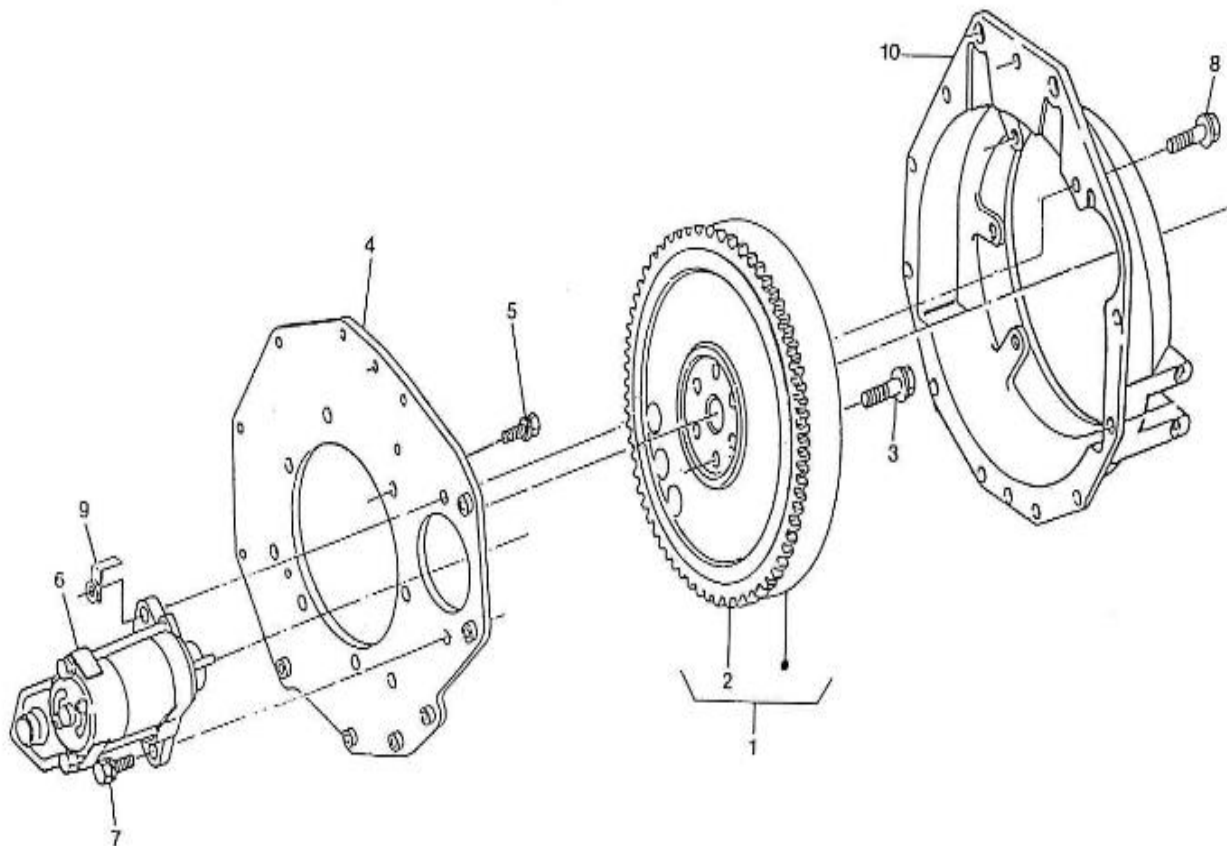
Brand: NanniDiesel

Model: Moteur 3.110HE

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 (FIX SUP ALT)	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	



V. 30/04/2012

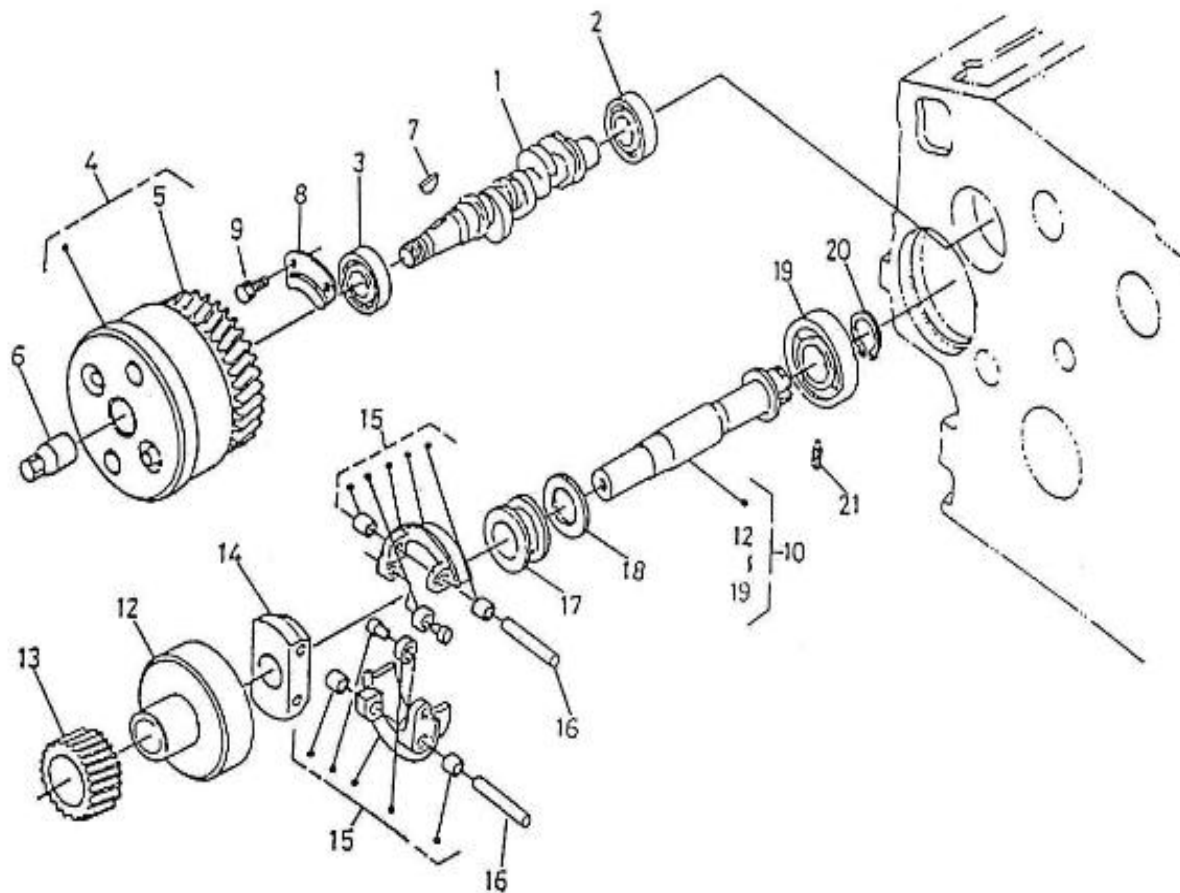
Pag. 12/37

Brand: NanniDiesel

Model: Moteur 3.110HE

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	970304123	AUTOMATIC ADVANCE	1	
5	970304124	GEAR	1	
6	970302839	NUT,CAP	1	
7	970302840	KEY,FEATHER	1	
8	970302841	STOPPER,FUEL CAMSHAFT	1	
9	970140123	BOLT ,M 6X12 (AFTER N°KTE08070398)	2	
10	970304125	SHAFT	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	

V. 30/04/2012

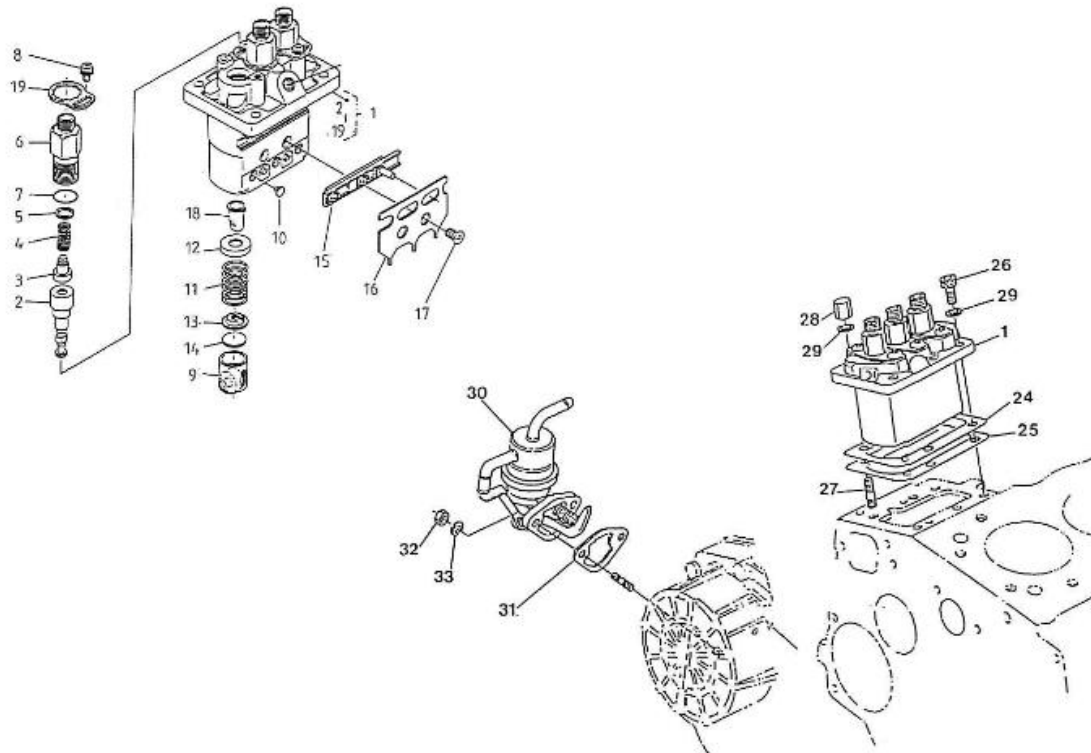
Pag. 13/37

Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Injection & Fuel pump



N.	Item	Description	Qty	Notes
1	970304126	ASSY PUMP,INJECTION	1	
2	970304127	ASSY PLUNGER	3	
3	970304128	VALVE	3	
4	970304129	SPRING	3	
5	970303971	GASKET,RING	3	
6	970304130	HOLDER,DELIVERY VALVE	3	
7	970304131	O RING	3	
8	970304132	BOLT	3	
9	970304133	TAPPET	3	
10	970304134	PIN	3	
11	970304135	SPRING	3	
12	970304136	SPRING SEAT	3	
13	970304137	SPRING SEAT	3	
14	970304138	SHIM	1	
15	970304139	RACK,CONTROL	1	
16	970304140	PLATE	1	
17	970304141	BOLT	2	
18	970304142	SEAT	3	
19	970304143	PLATE	3	
24	970304144	SHIM	2	
25	970304145	SHIM	2	
26	970142138	BOLT,SOCK M 6X 20 (BEFORE N°KTE08070398)	2	
27	970142139	STUD,INJ.PUMP	2	
28	970142140	NUT,CAP	2	
29	970119149	WASHER, SPRING D 6 (Pour protection injecteur)	4	
30	970302831	PUMP,FUEL FEED CPL.4.150	1	
31	970142512	GASKET,FUEL PUMP 2. 40	1	
32	970151133	NUT,M 6 (BEFORE N°KTE08070398)	2	
33	970119149	WASHER, SPRING D 6 (Pour protection injecteur)	2	

V. 30/04/2012

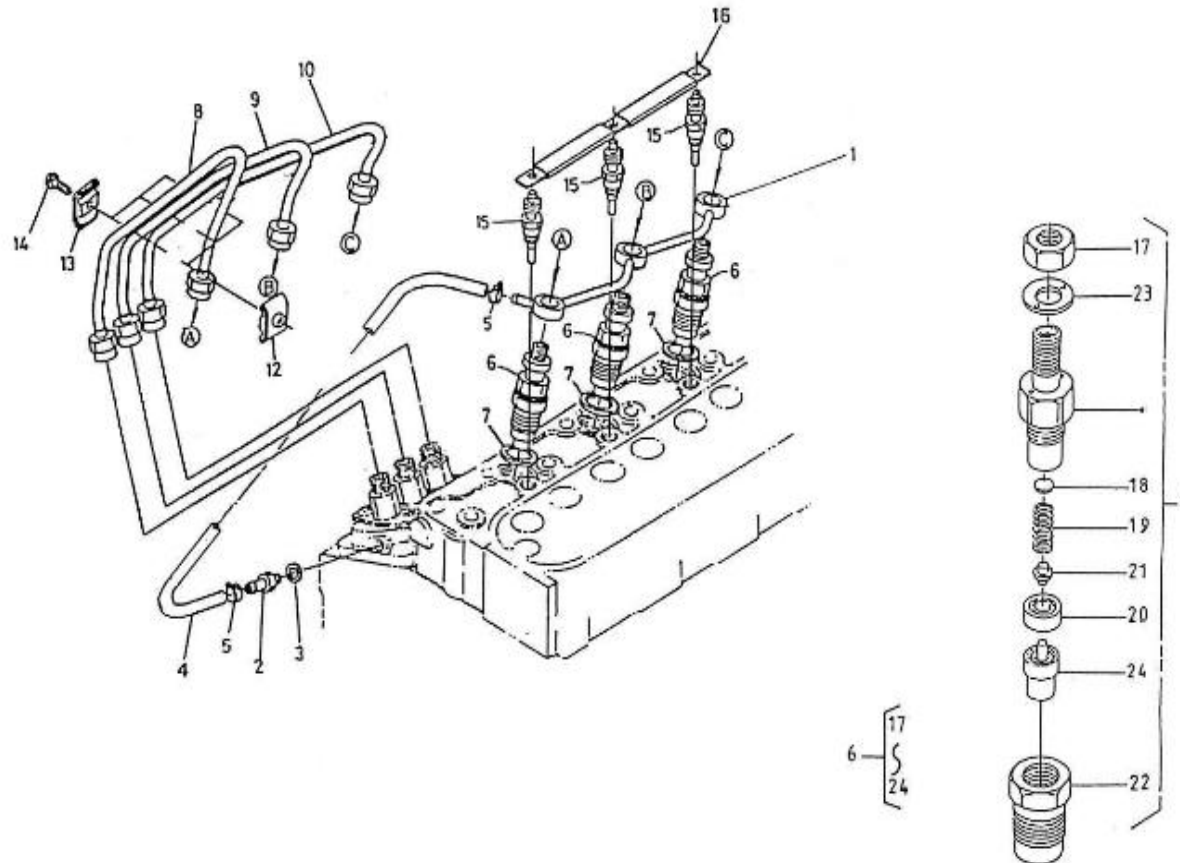
Pag. 14/37

Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Injection lines nozzles



N.	Item	Description	Qty	Notes
1	970304117	ASSY PIPE,OVER FLOW	1	
2	970142104	NOZZLE, FUEL OVERFLOW LINE	1	
3	970150403	RING,SEAL (=> N° XA0001 <= 3Z0001)	1	
4	32805001	HOSE (++RETOUR INJ / PPE INJ)	1	
5	970310171	CLAMP (+++ FIX DURITE WASTEGATE)	2	
6	970302816	INJECTOR,CPL.4.150	3	
7	970142109	GHASKET, RING INJECTORS	3	
8	970302817	LINE,FUEL CYL.N01 4.150 (<= N°KT08090422)	1	
9	970302818	LINE,FUEL CYL.N02 4.150 (<= N°KT08090422)	1	
10	970302819	LINE,FUEL CYL.N03 4.150 (<= N°KT08090422)	1	
12	970142114	CLAMP,FUEL LINES 1+2	2	
13	970142115	CLAMP,FUEL-LINES 1+2	2	
14	970492118	SCREW,M 5X 20 ROUND HEAD	2	
15	970302821	GLOWPLUG,4.150	3	
16	970304119	CORD,GLOW PLUG	1	
17	970142175	NUT,NOZZLE INJ.	3	
18	970302825	SPACER,ADJ.NOZZLE STD. 0.900	3	
19	970307593	NUT,FLANGE	3	
20	970142173	PIECE,DISTANCE NOZZLE INJ.	3	
21	970142170	ROD,PUSH NOZZLE FUEL	3	
22	970307595	NUT	3	
23	970302826	WASHER,NOZZLE INJ.	3	
24	970302827	NOZZLE,INJECTOR	3	

V. 30/04/2012

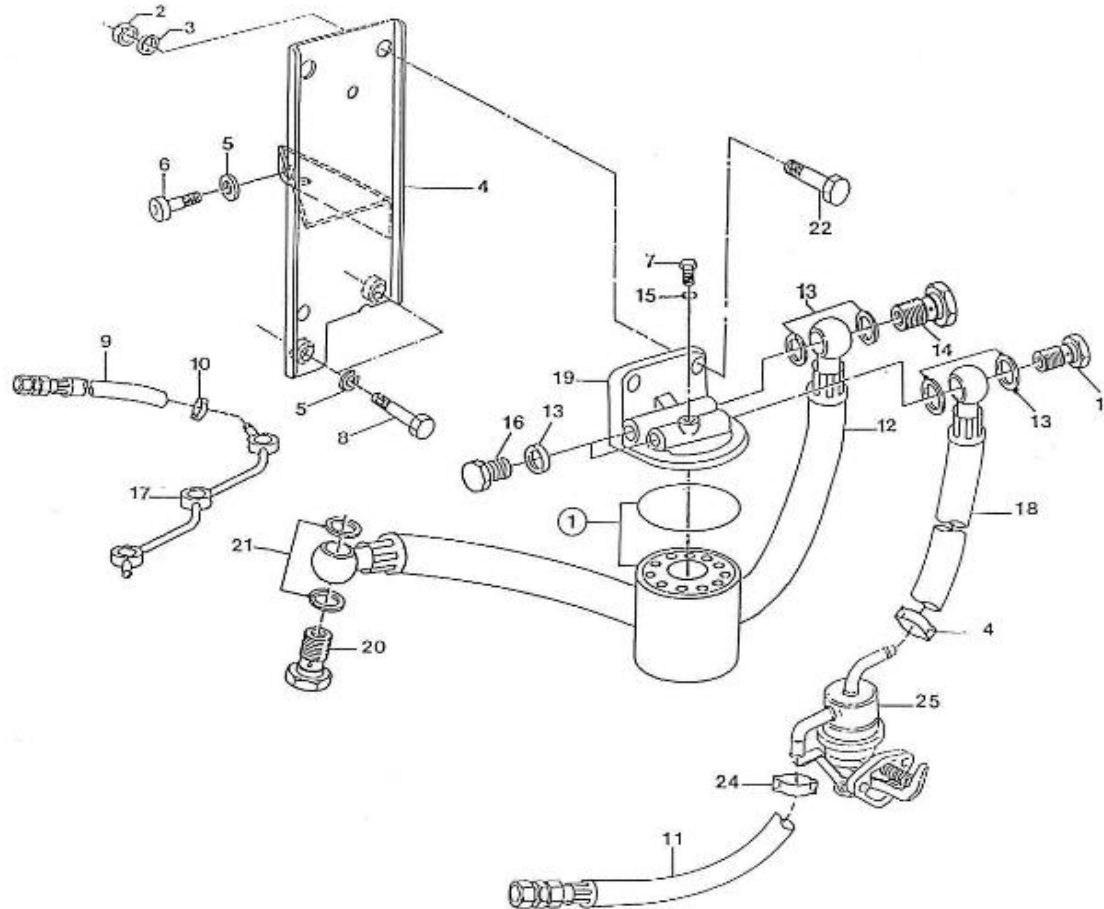
Pag. 15/37

Brand: NanniDiesel

Model: Moteur 3.110HE

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 (POUR INVERSEUR)	2	
4	970302604	SUPPORT,FUEL FILTER S5	1	
5	970119149	WASHER, SPRING D 6 (Pour protection injecteur)	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 (+++ FIX DURITE WASTEGATE)	1	
11	970302330	HOSE,FUEL SUPPLY CPL.	1	
12	970302586	HOSE,FUEL SUPPLY INJ.PUMP CPL.	1	
13	970300306	GASKET,RING D14 (SUR REFROID THERMO MOTA)	6	
14	970432515	BOLT,BANJO M14X1,5 (=> N°KT08090423)	2	
15	970300288	GASKET,M8 (FIX TUYAU GRAISSAGE)	1	
16	970875506	PLUG (<= N°KT08090422)	2	
17	970304117	ASSY PIPE,OVER FLOW	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 (+++ FIX TUYAU GRAISSAGE SUR	2	
22	970635508	BOLT,HEX M10X 25 (A DEFINIR)	2	
24	970302585	CLAMP,TWO-EAR 11-13	2	
25	970302831	PUMP,FUEL FEED CPL.4.150	1	

V. 30/04/2012

Pag. 16/37

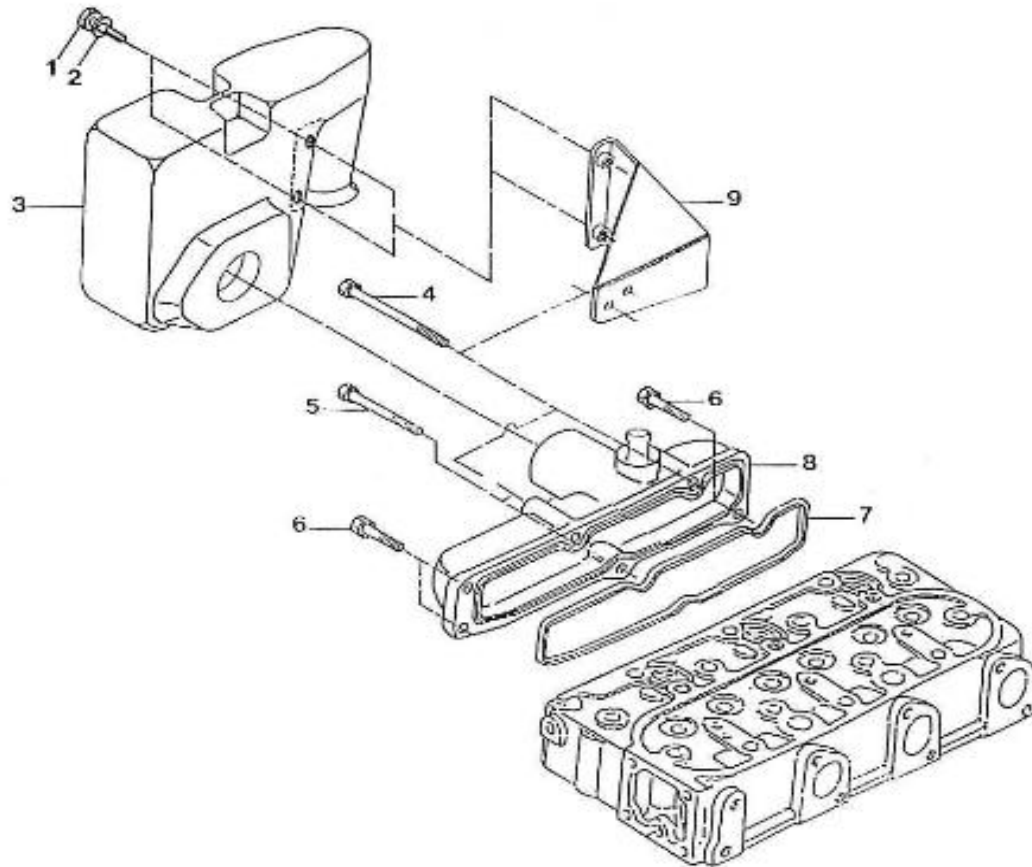
Brand: NanniDiesel

Model: Moteur 3.110HE

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 (A PARTIR DU N°KTH08040183)	2	
5	970302751	BOLT,M 6X 30	2	
6	970490119	BOLT,M 6X 18	2	
7	970302914	GASKET,INTAKE MANIFOLD 3.110	1	
8	970302823	MANIFOLD,INTAKE 3.110	1	
9	970302640	SUPPORT,AIR FILTER S5	1	



V. 30/04/2012

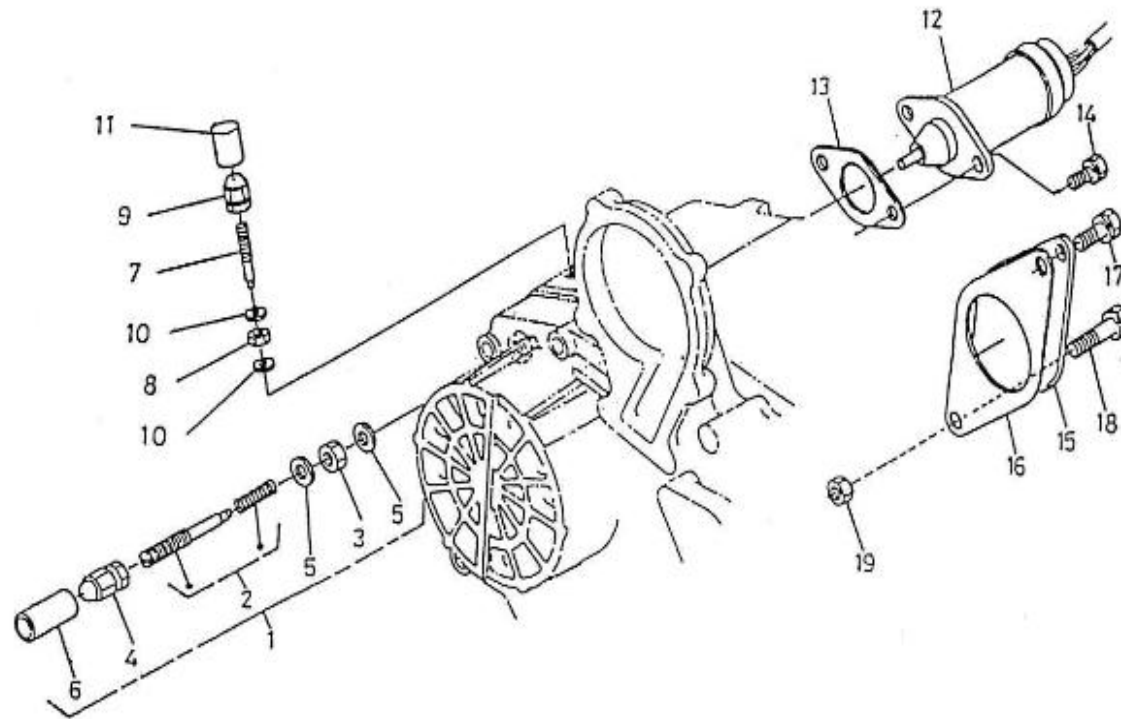
Pag. 17/37

Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Governor setting



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 (BEFORE N°KTE08070398)	1	
5	970150403	RING,SEAL (=> N° XA0001 <= 3Z0001)	2	
6	970302411	CAP,NUT	1	
7	970302868	SCREW,ADJUSTING	1	
8	970140402	NUT	1	
9	970140404	NUT (BEFORE N°KTE08070398)	1	
10	970150403	RING,SEAL (=> N° XA0001 <= 3Z0001)	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	

V. 30/04/2012

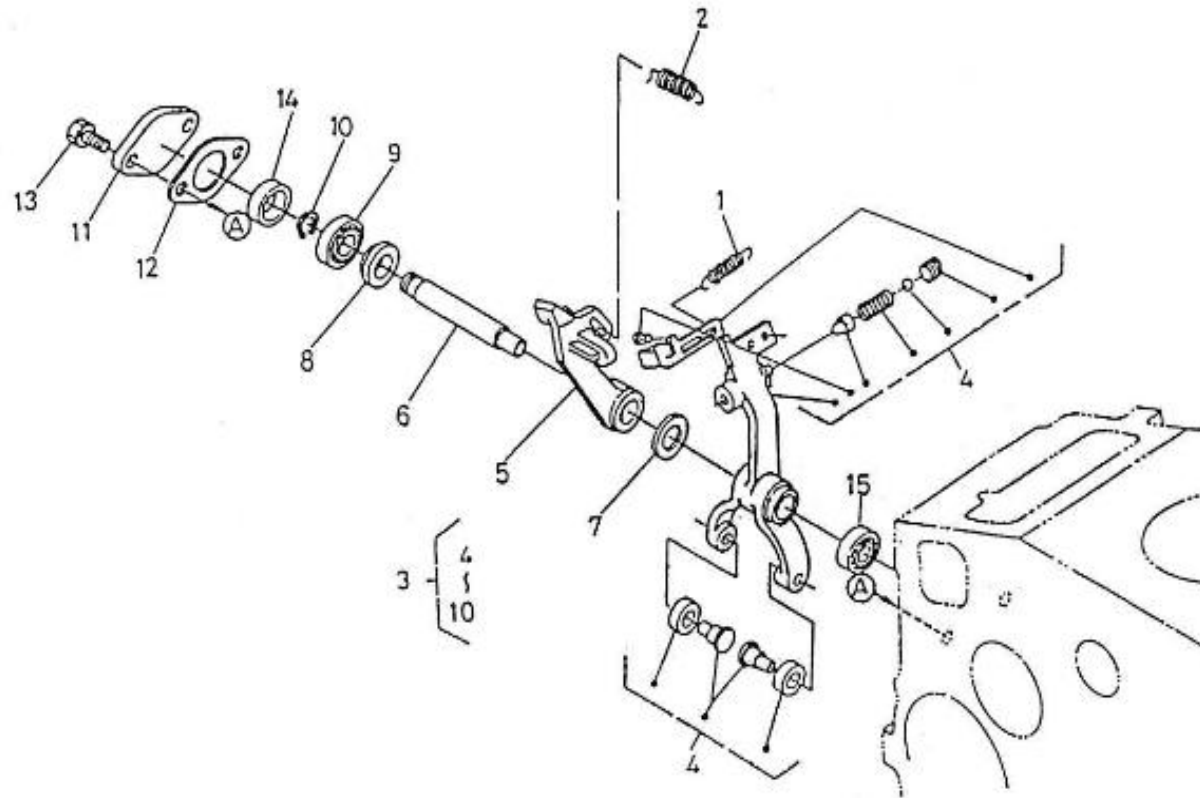
Pag. 18/37

Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Governor



N.	Item	Description	Qty	Notes
1	970304120	SPRING	1	
2	970302875	SPRING,GOVERNOR (<= N°KT08090422)	1	
3	970302877	LEVER,FORK CPL.N01	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	

V. 30/04/2012

Pag. 19/37

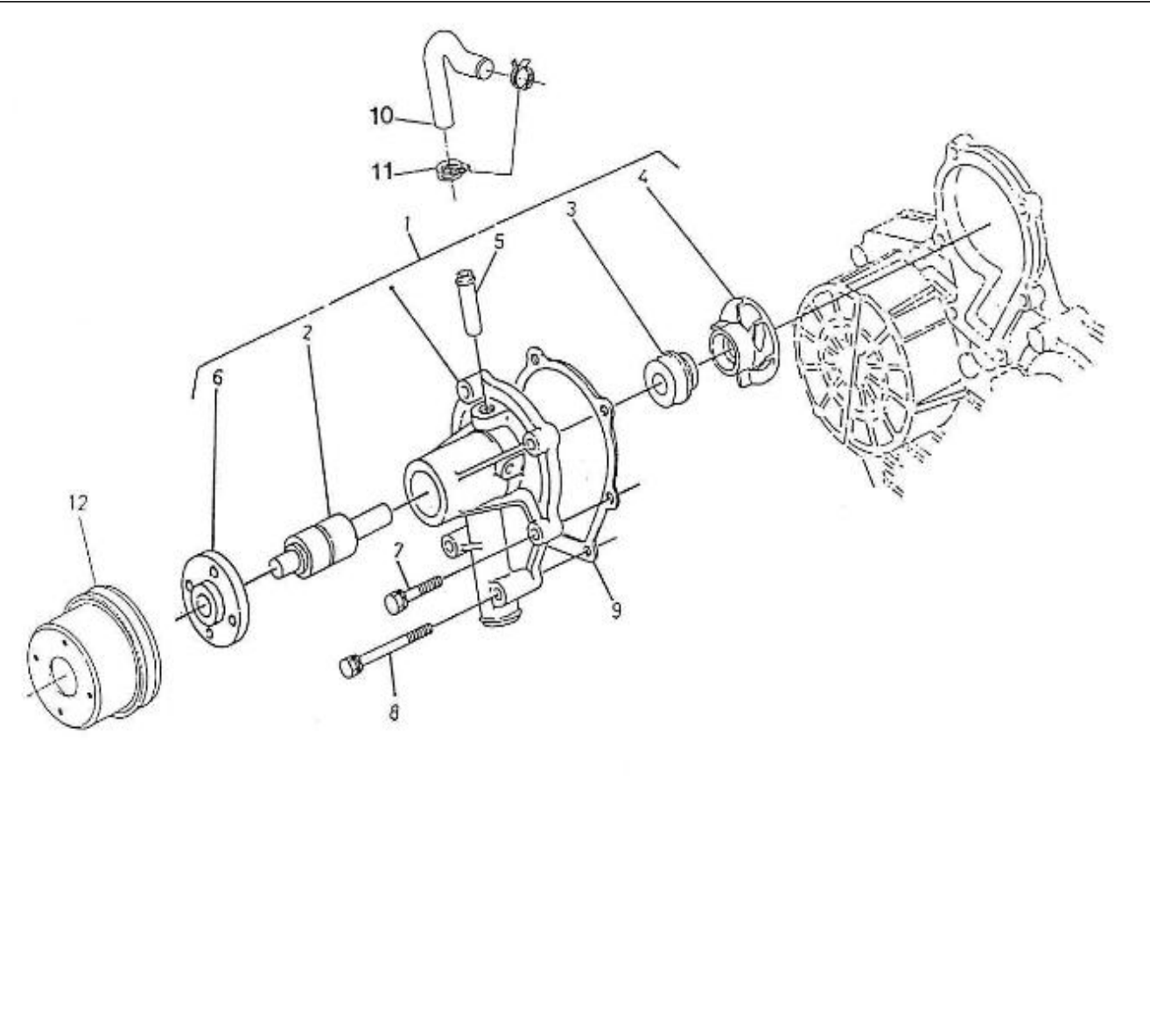
Brand: NanniDiesel

Model: Moteur 3.110HE

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 (BEFORE N*KTE08070398)	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	970307103	BAND,PIPE	2	
11	970307071	PIPE,WATER RETURN	1	
12	970307124	PULLEY,FAN	1	



V. 30/04/2012

Pag. 20/37

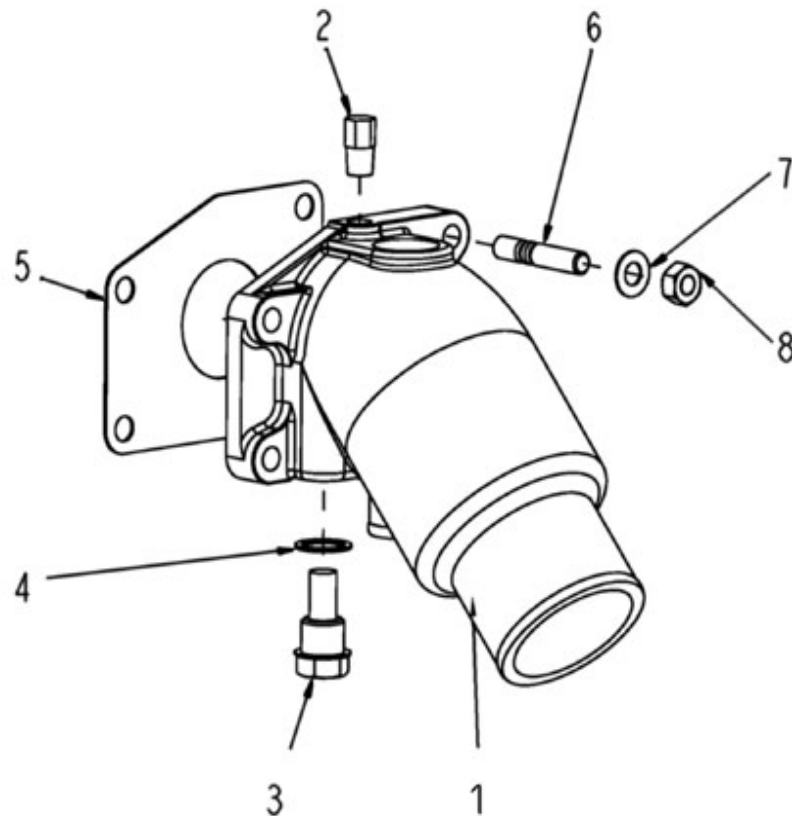
Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Exhaust elbow

N.	Item	Description	Qty	Notes
1	970301706APR	MIXER	1	
2	970307265	PLUG,HEX 1/8	1	
3	970494635	ANODE,ZINC CPL M16X1,5	1	
4	970300199	GASKET,RING D16	1	
5	970301710	GASKET,MIXER 4.190	1	
6	970300374	STUD,M 8X 30 (+++FIX TENDEUR)	3	
6	970307249	STUD (+++FIX TENDEUR)	1	
7	970119139	WASHER,CORRUGATED D8 (DONT 3 PTO)	4	
8	970027322	NUT,M 8 (++ECROU FIL DEMARREUR)	4	



V. 30/04/2012

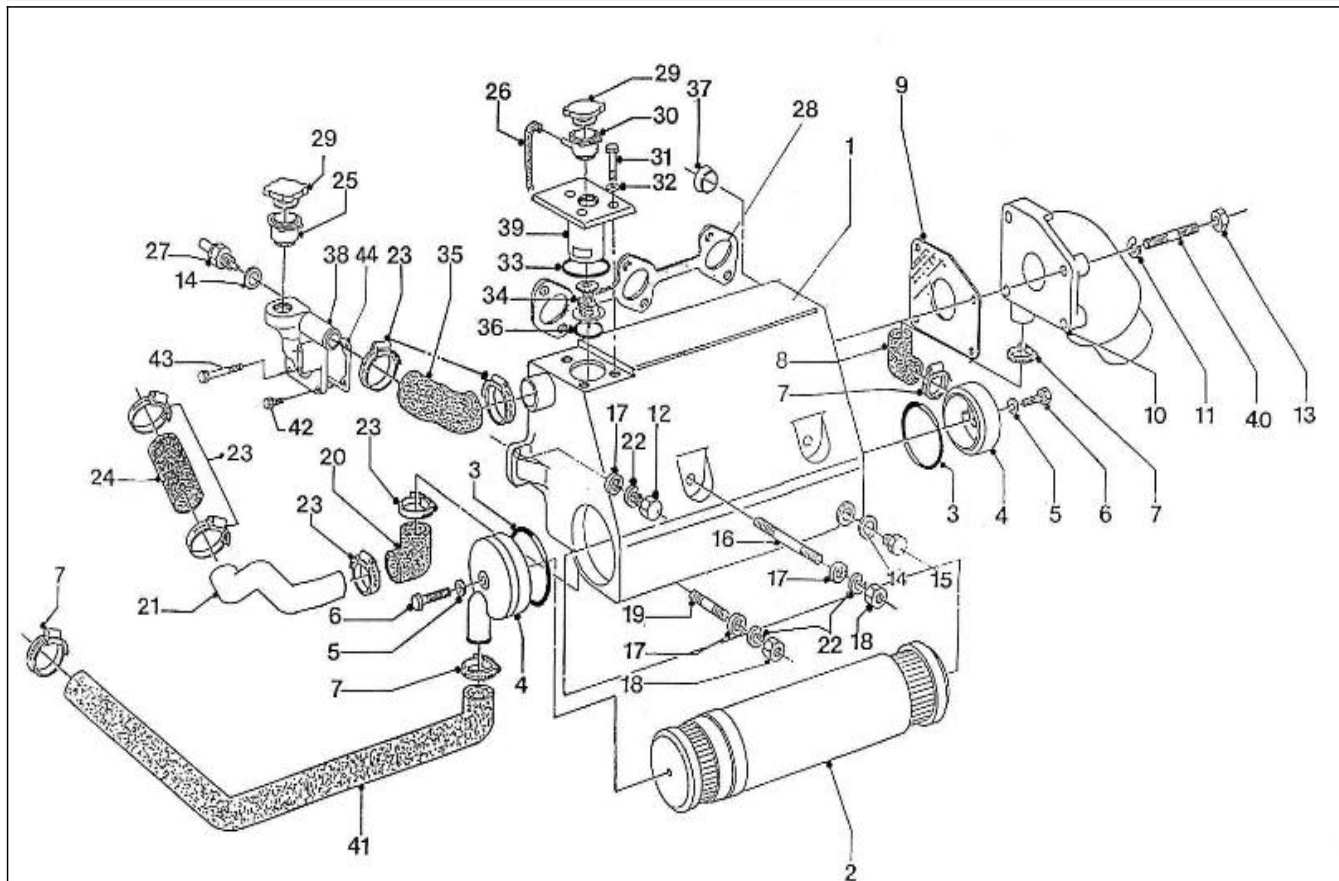
Pag. 21/37

Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Heat exchanger exh. Manifold



N.	Item	Description	Qty	Notes
1	970302156	HOUSING,HEATEXCHANGER 3.110	1	
2	970302350	TUBE,STACK 3.110	1	
3	970301719	O-RING,68,00X4,00	2	
4	970307714	COVER	2	
5	970300288	GASKET,M8 (FIX TUYAU GRAISSAGE)	2	
6	970301263	BOLT,M 8X 45 -A2-	2	
7	970604526	CLAMP,HOSE 22-32 (COTE ECHANGEUR)	4	
8	970301713	HOSE,ELBOW COVER HEATEX.4.190 (+++RETOUR MAG -	1	
9	970301710	GASKET,MIXER 4.190	1	
10	970301706APR	MIXER	1	
11	970119138	WASHER,SPRING D 8 (TENDEUR)	4	
12	970304070	BOLT	1	
13	970027322	NUT,M 8 (++ECROU FIL DEMARREUR)	4	
14	970300306	GASKET,RING D14 (SUR REFROID THERMO MOTA)	2	
15	970875506	PLUG (<= N*KT08090422)	1	
16	970302611	STUD,M 7X151	2	
17	970302538	WASHER,PLAIN D 7	6	
18	970301496	NUT,M 7	6	
19	970302915	STUD	3	
20	970302630	HOSE	1	
21	970302612	PIPE,WATER RETURN	1	
22	970302537	WASHER,SPRING D 7	6	
23	970300922	CLAMP,HOSE 26-38 (FOURNITURE POMPE ATTELEE)	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	970304111	GASKET,E-MANIFOLD NA	1	
29	970604614	CAP,FILLING 0, 7 DOUBLE SEAL	2	
30	970300834	FILLING,NECK WATER	1	
31	970119141	BOLT,HEX M8X 20 (+++FIX. SUPPORT COLLIER SUR	3	
32	970119139	WASHER,CORRUGATED D8 (DONT 3 PTO)	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	
40	970604624	STUD,M 8X 40	1	
41	970302625	HOSE, W.PUMP/COVER HEATECH. (S (+++RECUPER+++	1	
42	970491117	BOLT,M 6X 16	3	
43	970302738	BOLT,M 6X 55	1	
44	970307104	GASKET,W/FLANGE NA	1	

V. 30/04/2012

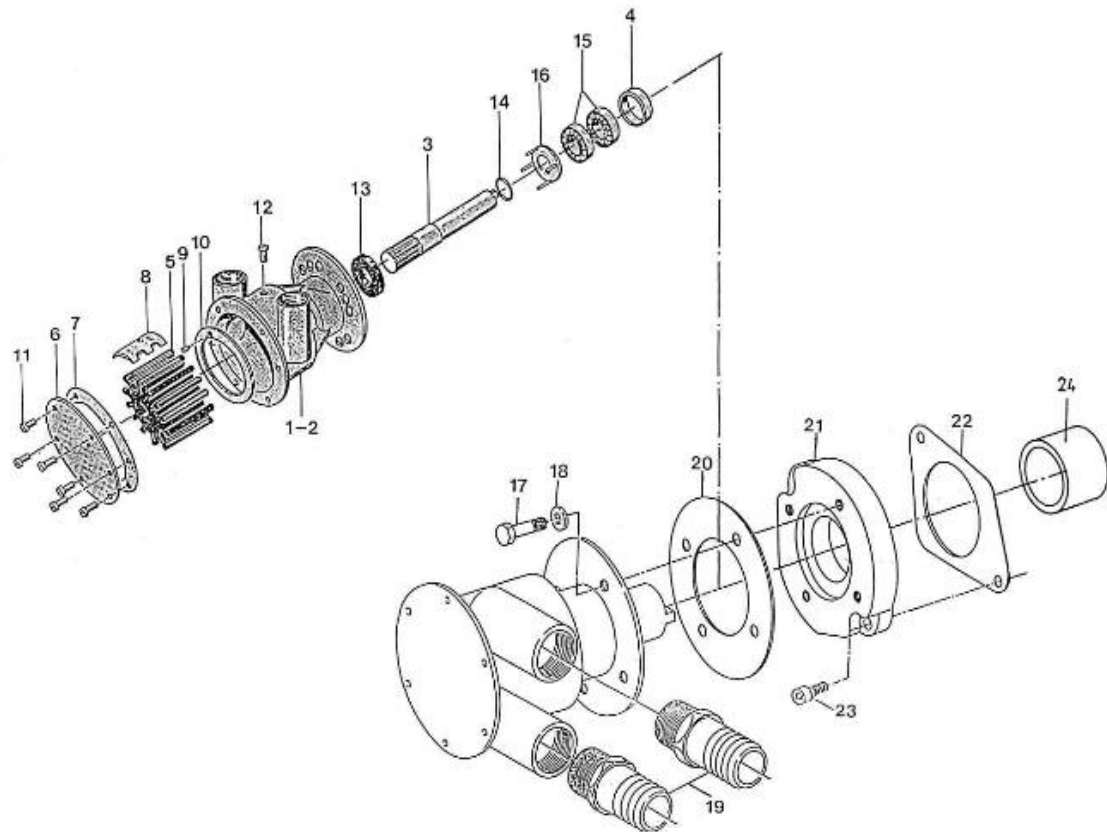
Pag. 22/37

Brand: NanniDiesel

Model: Moteur 3.110HE

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	O-RING SEAL	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 (+++FIX.SUPPORT AG ACC)	4	
18	970609602	WASHER,CORRUGATED D 6 (ROND GRAISSEE SERRAGE	4	
19	970604515	CONNECTION,HOSE HBW-20 (SUR COUDE ET TUYAU)	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	

V. 30/04/2012

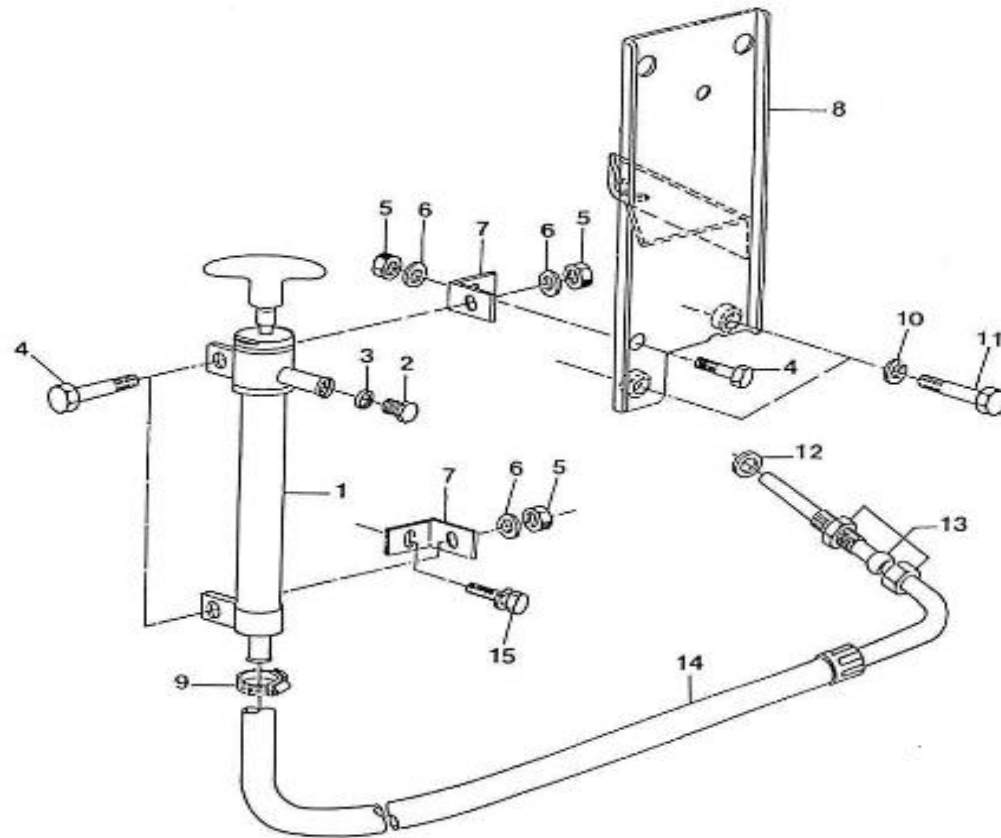
Pag. 23/37

Brand: NanniDiesel

Model: Moteur 3.110HE

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 (FIX TUYAU GRAISSAGE)	1	
4	970439910	BOLT,HEX M 6X 16 (+++FIX.SUPPORT AG ACC)	3	
5	970635460	NUT,M 6	3	
6	970119149	WASHER, SPRING D 6 (Pour protection injecteur)	3	
7	970302642	SUPPORT,OIL EXTRACTION PUMP S5 (STOP MANUEL)	2	
8	970302604	SUPPORT,FUEL FILTER S5	1	
9	970439306	CLAMP (++POUR DURITE ORIGINE REF HUILE MOTEUR)	1	
10	970119149	WASHER, SPRING D 6 (Pour protection injecteur)	2	
11	970302584	BOLT,HEX M 6X 60	2	
12	970300199	GASKET,RING D16	1	
13	970302269	Please consult us - COUPLING,FITTING D10	1	
14	970304001	HOSE,OIL EXTRACTION 4.150 CPL.	1	
15	970302736	BOLT,M 6X 45	1	
16	970302530	No longer available - NUT,CONICAL	1	
17	970301092	No longer available - COLLAR,D10	1	

V. 30/04/2012

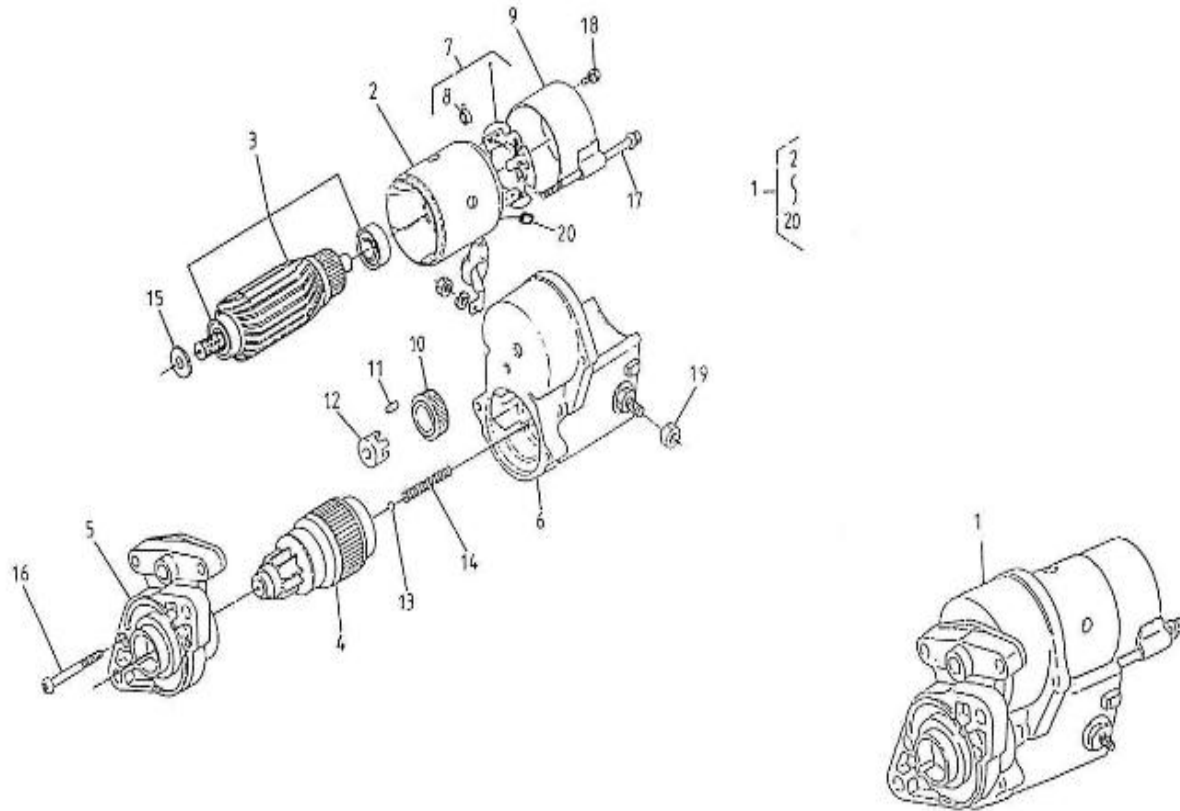
Pag. 24/37

Brand: NanniDiesel

Model: Moteur 3.110HE

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	

V. 30/04/2012

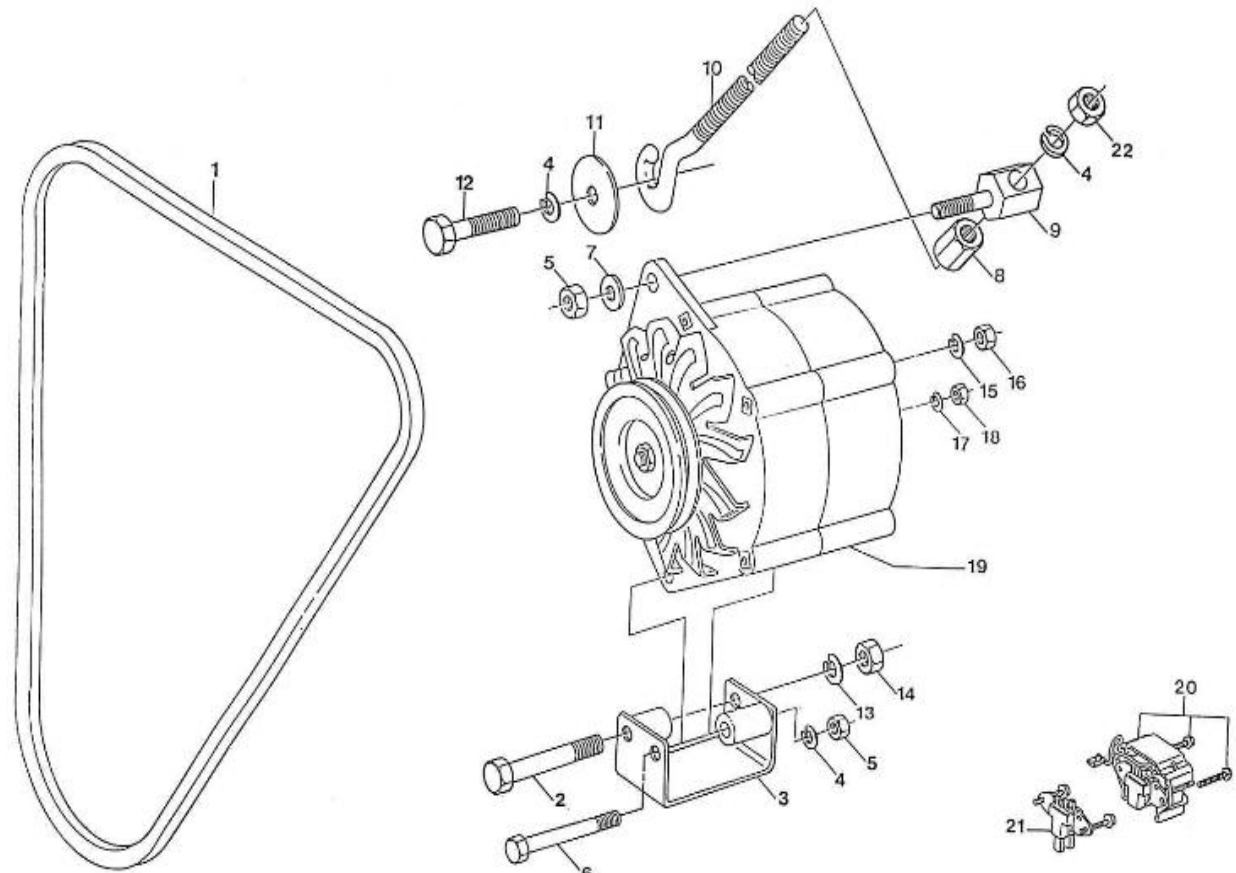
Pag. 25/37

Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Alternator Assy.Std.



N.	Item	Description	Qty	Notes
1	970637399	V-BELT	1	
2	970644115	BOLT,HEX M10X 90 (ADAPT TUYAU ENTREE COUDE)	1	
3	970302605	SUPPORT,ALTERNATOR (S5)	1	
4	970119138	WASHER,SPRING D 8 (TENDEUR)	3	
5	970027322	NUT,M 8 (++ECROU FIL DEMARREUR)	2	
6	970301280	BOLT,HEX M 8X 90	1	
7	970119139	WASHER,CORRUGATED D8 (DONT 3 PTO)	1	
8	39460924	NUT	1	
9	970301722	SUPPORT,TIGHTNER V-BELT	1	
10	970301721	TIGHTENER,V-BELT	1	
11	970304050	WASHER	1	
12	970409603	BOLT,HEX M 8X 25 (FIX SUP ALT)	1	
13	970119136	WASHER,SPRING D10 (POUR INVERSEUR)	1	
14	970119143	NUT, M10	1	
15	970119149	WASHER, SPRING D 6 (Pour protection injecteur)	2	
16	970635460	NUT,M 6	2	
17	970300318	WASHER,SPRING D 5	2	
18	970609904	NUT,M 5	2	
19	970437500	ALTERNATOR,14V-55A MOTOROLA	1	
20	970301763	REGULATOR,ALTERNATOR 14V-55A	1	
21	970301698	No Longer Available - HOLDER,CARBON BRUSH 14/28V-45/	1	
22	970024015	NUT,M 8 A2	1	

V. 30/04/2012

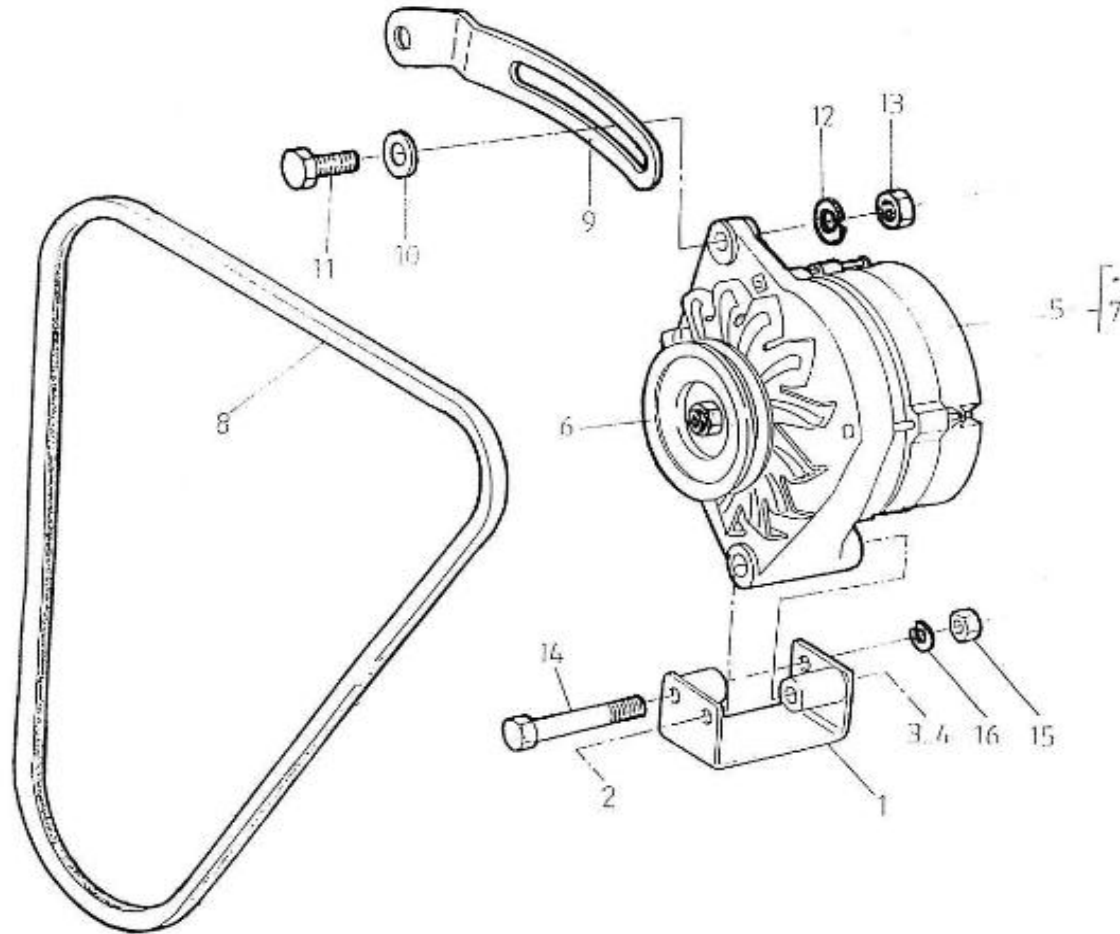
Pag. 26/37

Brand: NanniDiesel

Model: Moteur 3.110HE

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 (+++FIX. TOURTEAU SUR INVERSEUR)	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 (+++ FIX . PTO)	1	
12	970119138	WASHER,SPRING D 8 (TENDEUR)	1	
13	970027322	NUT,M 8 (++ECROU FIL DEMARREUR)	1	
14	970644115	BOLT,HEX M10X 90 (ADAPT TUYAU ENTREE COUDE)	1	
15	970119143	NUT, M10	1	
16	970119136	WASHER,SPRING D10 (POUR INVERSEUR)	1	

V. 30/04/2012

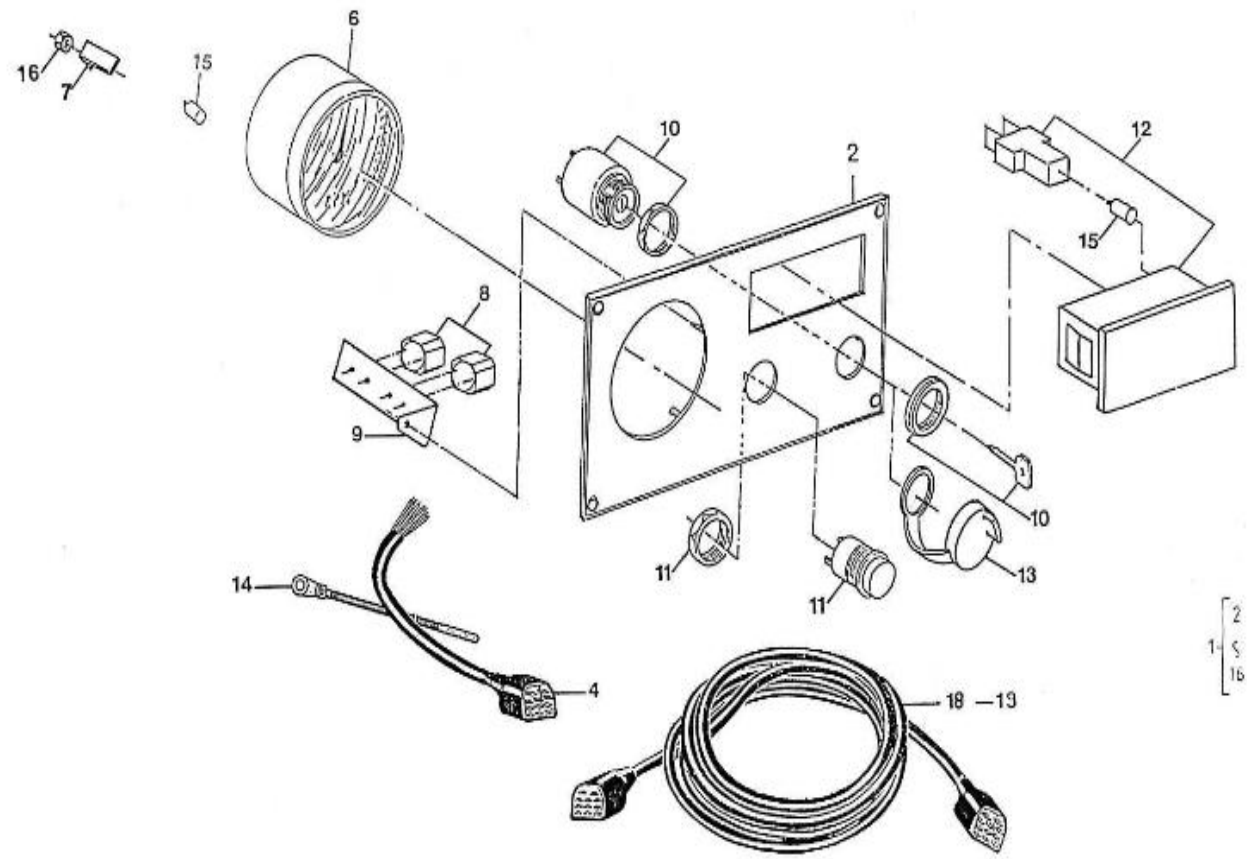
Pag. 27/37

Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Panel 1 instrument



N.	Item	Description	Qty	Notes
1	674351	PANEL	1	
2	970302214	PLATE,PANEL 1 INSTRUMENT	1	
4	970302662	WIRING,PANEL 1 INSTR. (11P)	1	
6	970301642	No longer available - 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	INDICATORI OTTICI A 4 SPIE	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 (TOTAL 12M)	1	

V. 30/04/2012

Pag. 28/37

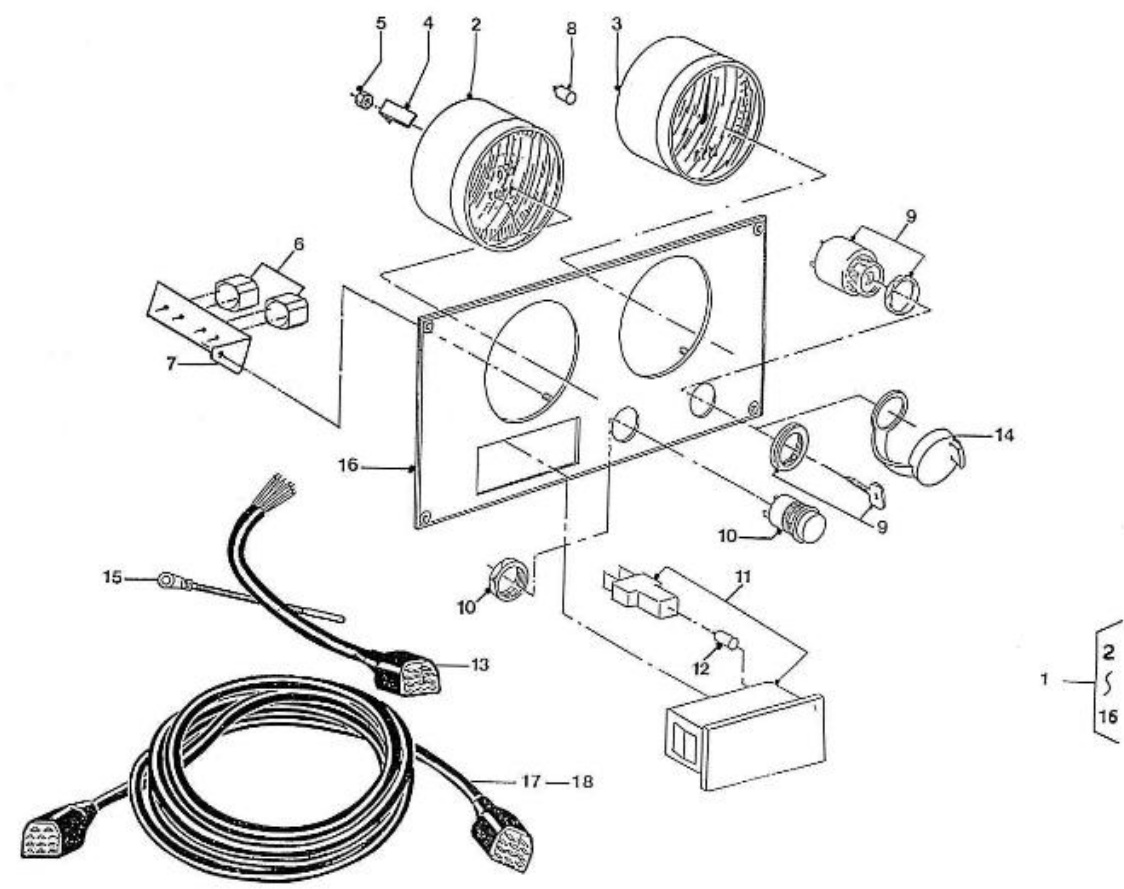
Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Panel 2 instruments

N.	Item	Description	Qty	Notes
1	970302672	No longer available - PANEL,2 INSTRUMENTS 12V CPL VD	1	
2	970301662	GAUGE,VDO,TEMP/VOLT 40-120,8-1	1	
3	970301642	No longer available - 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	INDICATORI OTTICI A 4 SPIE	1	
12	970856011	BULB 12V-2W	4	
13	970304003	Please consult us	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 (TOTAL 12M)	1	



V. 30/04/2012

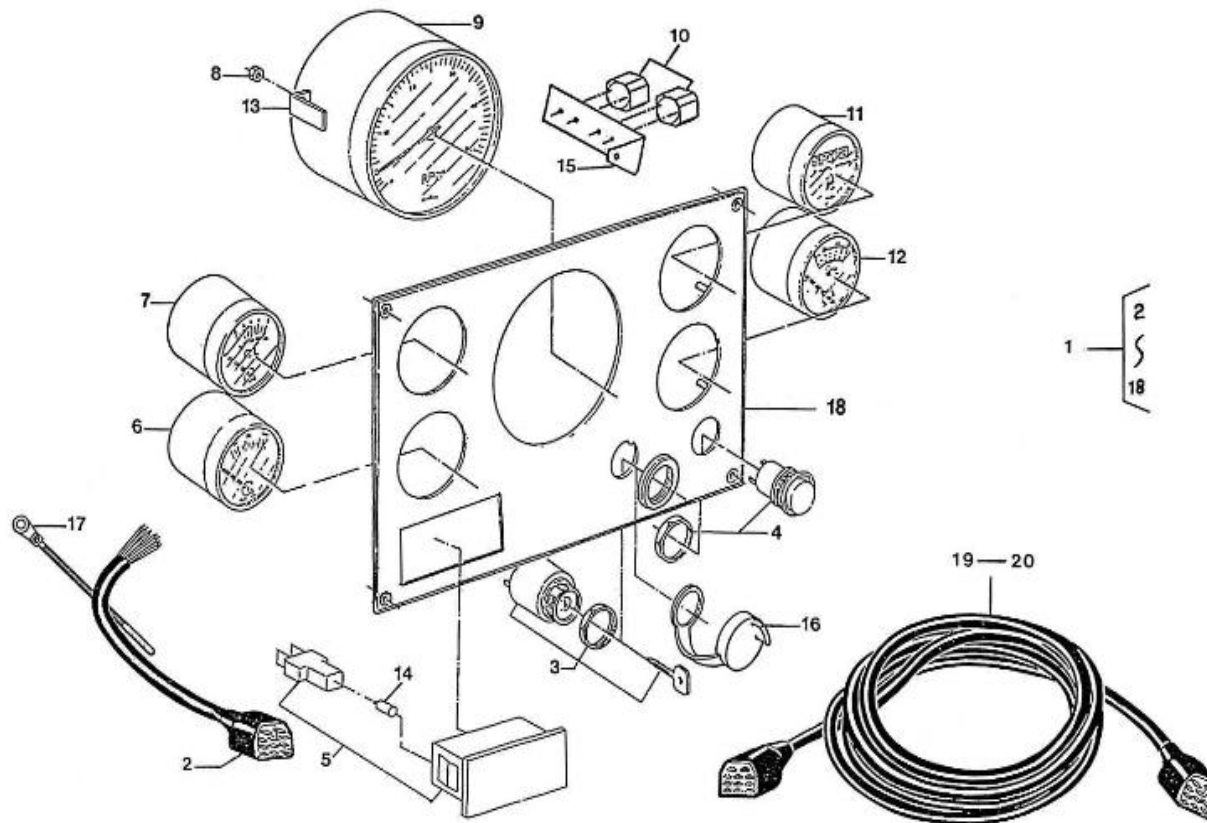
Pag. 29/37

Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Panel 5 instruments



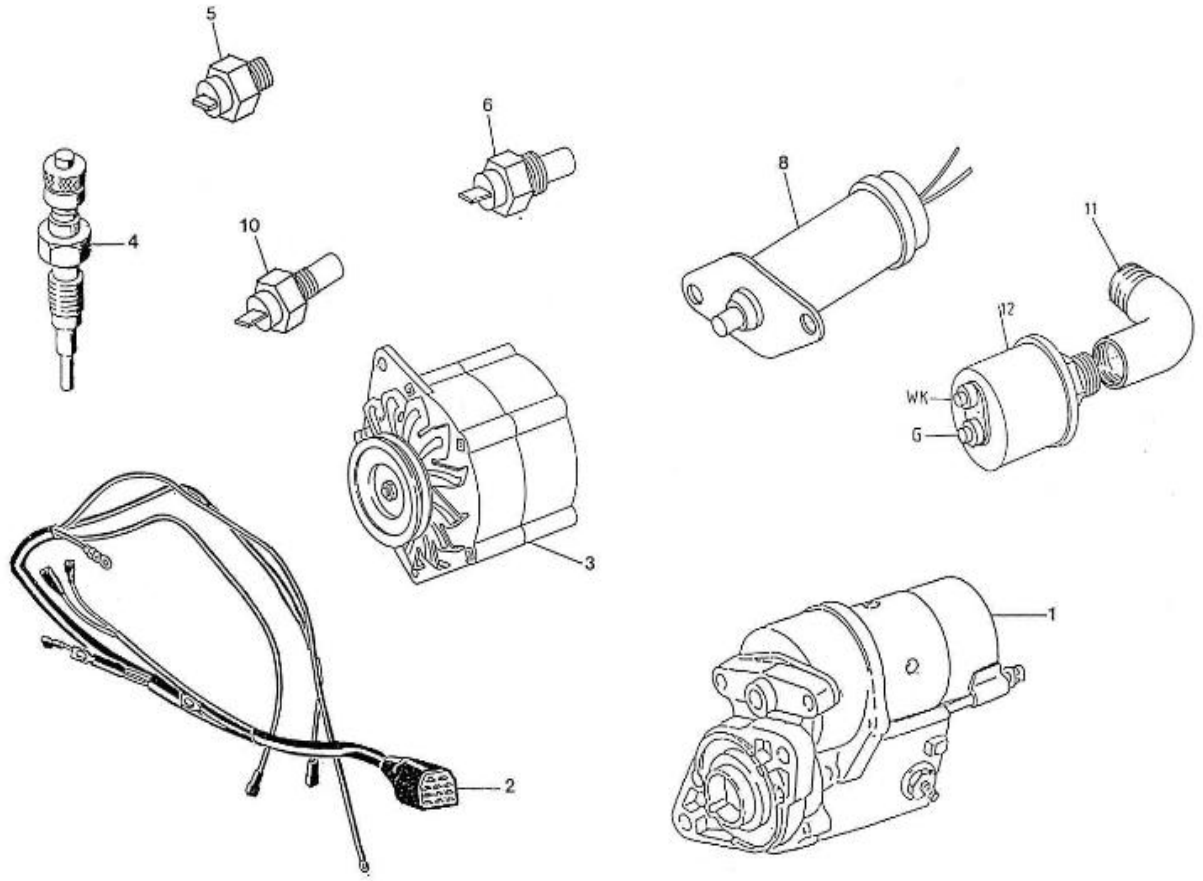
N.	Item	Description	Qty	Notes
1	970302674	PANEL,5 INSTR. 4000RPM 12V VDO	1	
2	970304004	WIRING,PANEL 5INSTR. CPL. (11P	1	
3	970302667	SWITCH,BOSCH STARTER + GLOWING	1	
4	970300967	BUTTON,PUSH	1	
5	970856005	INDICATORI OTTICI A 4 SPIE	1	
6	970850603	THERM.V. 120C 12V D52	1	
7	970850705	OIL PRESSURE GAUGE 5B	1	
8	970301191	NUT,M 4 A2	12	
9	970301642	No longer available - 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	No longer available - PLATE,PANEL 5 INSTRUMENTS VDO	1	
19	970302665	WIRING,INTERMEDIATE 4MTR 11POS	1	
20	970302666	WIRING,INTERMEDIATE 8MTR 11POS (TOTAL 12M)	1	

V. 30/04/2012

Pag. 30/37

Brand: NanniDiesel
Model: Moteur 3.110HE
Version: Standard
Subassembly: Electrics

N.	Item	Description	Qty	Notes
1	970517303	STARTER,MOTOR 12V 1,0KW 1P	1	
2	970302661C	WIRING (+++++LE 04/02/05 A PARTIR DU N°251312)	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 (+++MONTAGE ALERTE HUILE)	1	
12	48201143	OIL PRESSURE SENDER (Remplace 307091 à partir du T511050112)	1	

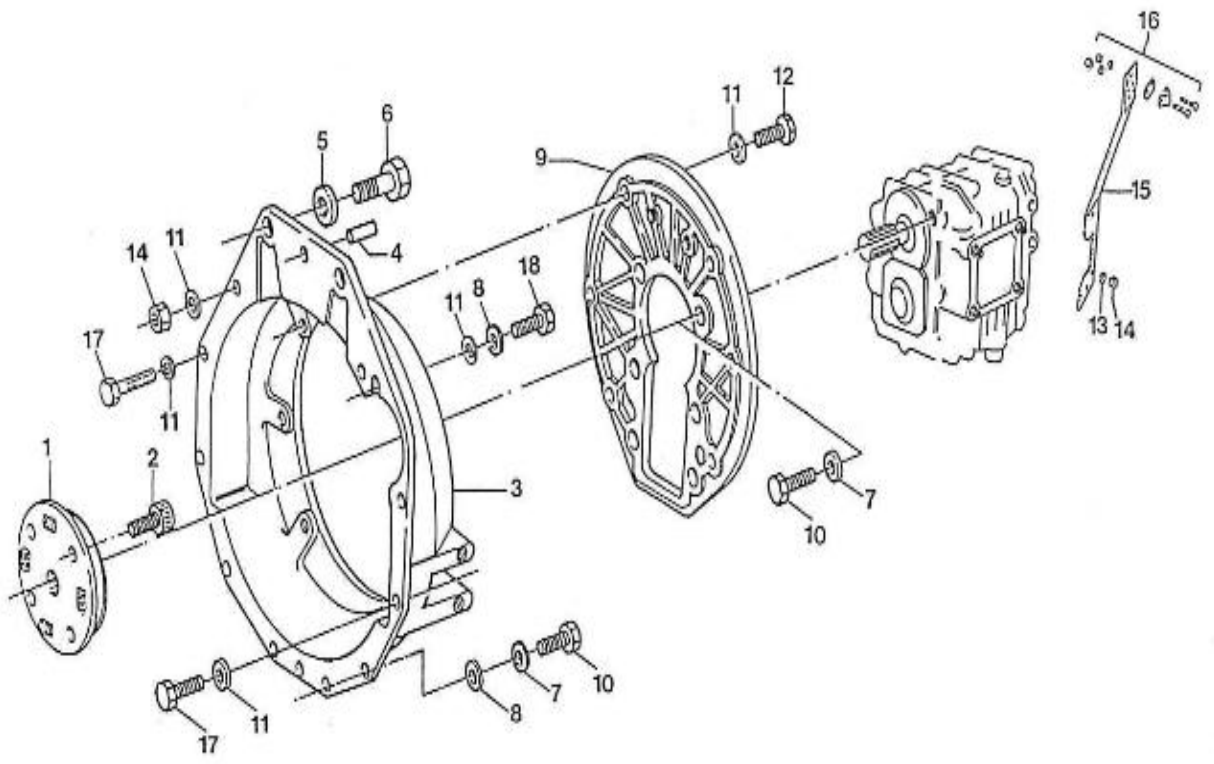


V. 30/04/2012

Pag. 31/37

Brand: NanniDiesel
Model: Moteur 3.110HE
Version: Standard
Subassembly: Flywheel housing

N.	Item	Description	Qty	Notes
1	970776350	DAMPERPLATE	1	
2	970119147	BOLT, SOCK M 6X12 (++)LOCTITE 243 (BLEU) MONTAGE	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 (+++FIX. SUPPORT D)	2	
7	970119139	WASHER, CORRUGATED D8 (DONT 3 PTO)	12	
8	970119138	WASHER, SPRING D 8 (TENDEUR)	1	
9	970301709	PLATE, ADAPTOR HBW50-100-150	1	
10	970119141	BOLT, HEX M8X 20 (+++FIX. SUPPORT COLLIER SUR	6	
11	970119137	WASHER, CORRUGATED D10	6	
12	970635508	BOLT, HEX M10X 25 (A DEFINIR)	6	
13	970119139	WASHER, CORRUGATED D8 (DONT 3 PTO)	2	
14	970027322	NUT, M 8 (++)ECROU FIL DEMARREUR)	2	
15	970300373	SUPPORT, CONTROL HBW	1	
16	970835020	CLAMP	1	
17	970498003	BOLT, SOCK M 8X 25 (POUBELLE)	2	
18	970635917	BOLT, SOCK M 8X 40	1	



V. 30/04/2012

Pag. 32/37

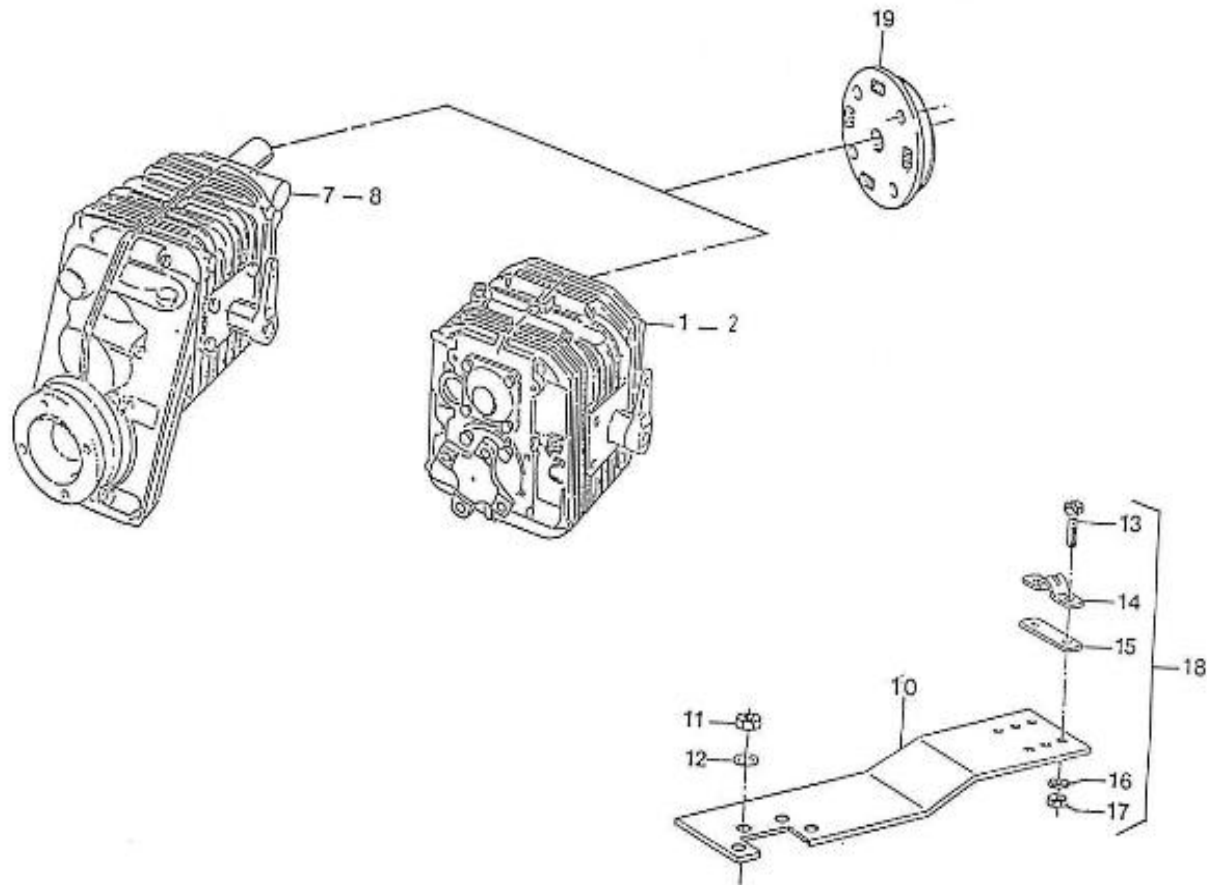
Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Reversing gear

N.	Item	Description	Qty	Notes
1	916103214	INV. ZF10 M - R2.04/1	1	
2	970776012	GEARBOX,HBW100 -2,72R	1	
10	970300373	SUPPORT,CONTROL HBW	1	
11	970027322	NUT,M 8 (++ECROU FIL DEMARREUR)	2	
12	970119139	WASHER,CORRUGATED D8 (DONT 3 PTO)	2	
13	970300317	BOLT,HEX M 5X 16	2	
14	QCC33010TF	THREADING COLLAR JACKET 33C	1	
15	970300316	PLATE,CLAMP	1	
16	970300318	WASHER,SPRING D 5	2	
17	970609904	NUT,M 5	2	
18	970835020	CLAMP	1	
19	970776050	DAMPERPLATE,121 DIN	1	

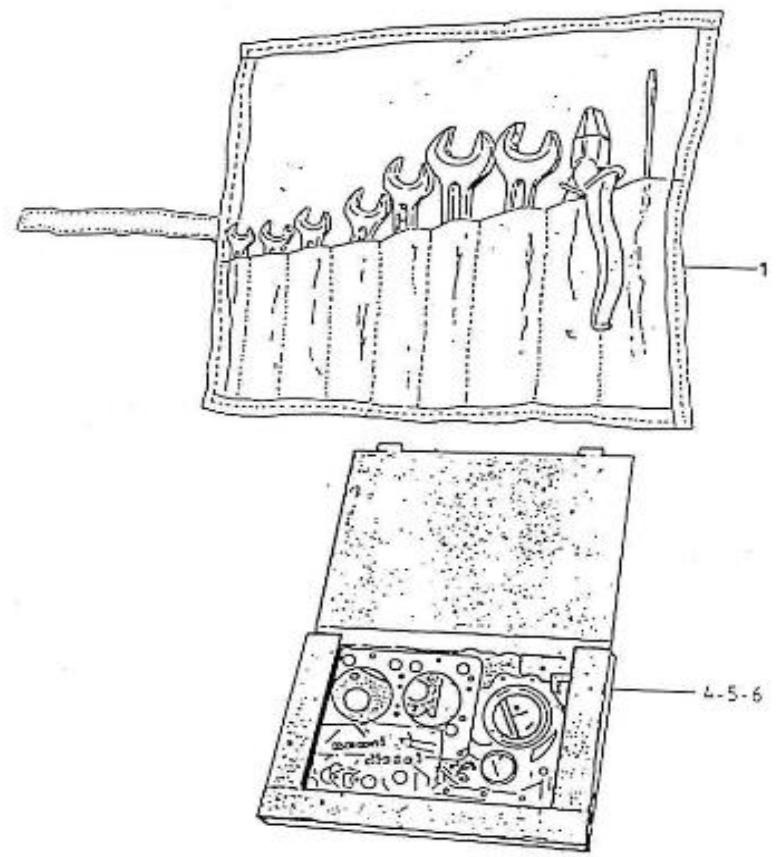


V. 30/04/2012

Pag. 33/37

Brand: NanniDiesel
 Model: Moteur 3.110HE
 Version: Standard
 Subassembly: Tools gasket set

N.	Item	Description	Qty	Notes
1	970609901	KIT,TOOLS	1	
4	970307170	GASKET SET	1	
5	970307171	GASKET SET	1	
6	970307174	GASKET SET	1	



V. 30/04/2012

Pag. 34/37

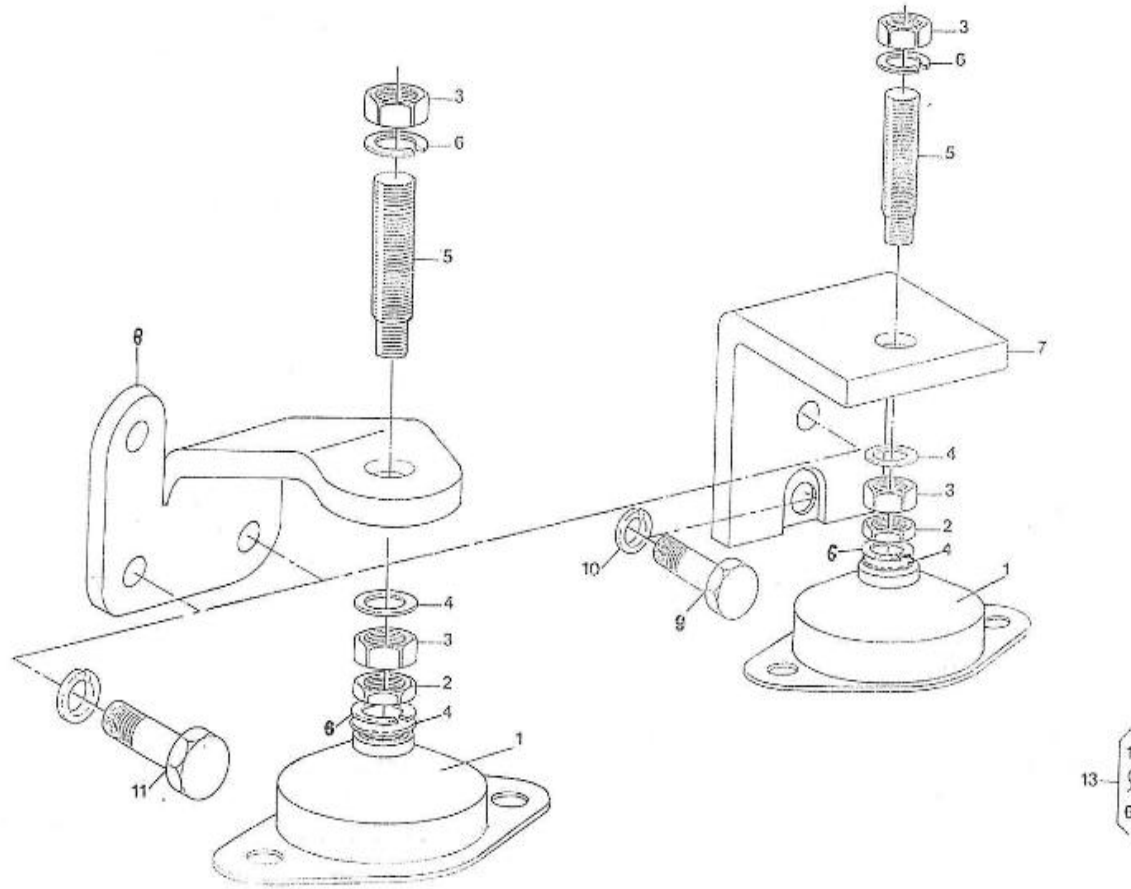
Brand: NanniDiesel

Model: Moteur 3.110HE

Version: Standard

Subassembly: Engine mount

N.	Item	Description	Qty	Notes
1	970307198	ELASTIC MOUNT	4	
2	970649109	WASHER,SPRING D16	4	
3	970302271	NUT,M16X1,5 (+++A.AUTO 2E SEUIL)	8	
4	970649108	WASHER,PLAIN D16	4	
6	970119136	WASHER,SPRING D10 (POUR INVERSEUR)	10	
7	970307098	SUPPORT,MOUNT	2	
8	970307099	SUPPORT,MOUNT	2	
9	970499051	BOLT,HEX M10X1,25X 30 (+++ FIX . PTO)	10	



V. 30/04/2012

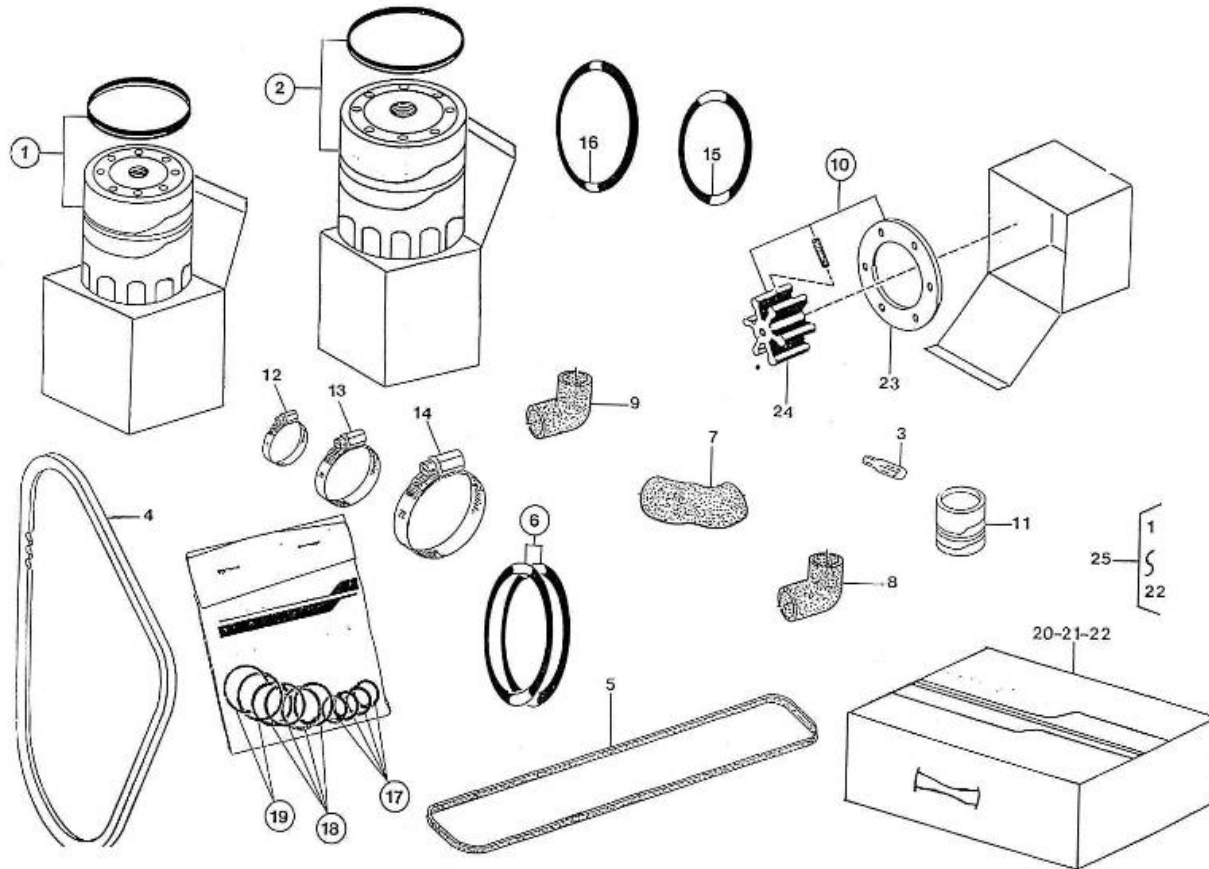
Pag. 35/37

Brand: NanniDiesel

Model: Moteur 3.110HE

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	
6	970301719	O-RING,68,00X4,00	1	
7	970301714	HOSE,D32 COVER THERMO.4.190	1	
8	970301713	HOSE,ELBOW COVER HEATEX.4.190 (+++RETOUR MAG -	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 (++POUR DURITE ORIGINE REF HUILE MOTEUR)	1	
13	970300922	CLAMP,HOSE 26-38 (FOURNITURE POMPE ATTELEE)	1	
14	970604533	CLAMP,HOSE 32-44 (QUANTITE 8 R.P. 4 LE 19/06/2008)	1	
15	970302609	O-RING	1	
16	970302608	O-RING	1	
17	970300288	GASKET,M8 (FIX TUYAU GRAISSAGE)	1	
18	970300306	GASKET,RING D14 (SUR REFROID THERMO MOTA)	2	
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	

V. 30/04/2012

Pag. 36/37

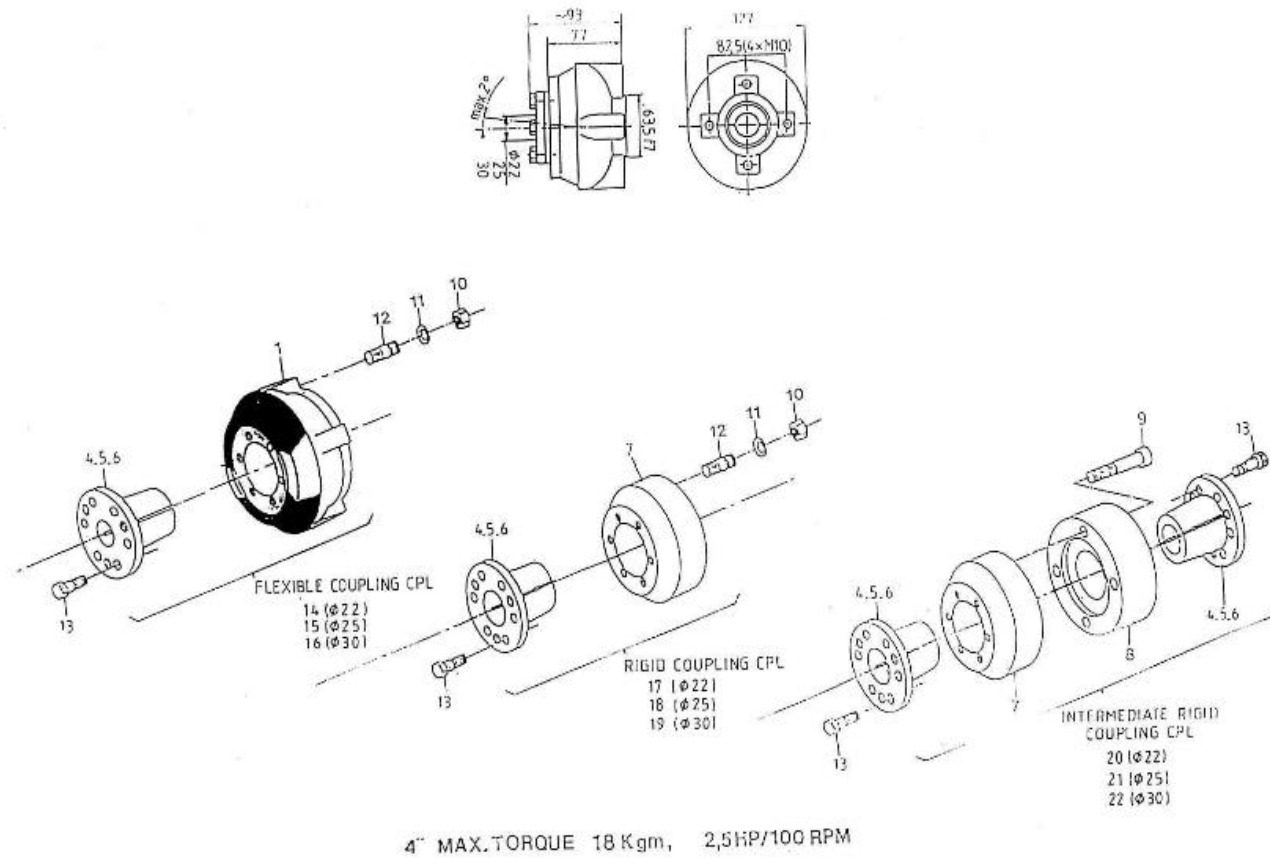
Brand: NanniDiesel

Model: Moteur 3.110HE

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	Please consult us - COUPLING	1	
8	970301221	COUPLING	1	
9	970609157	BOLT,SOCK M10X 55	4	
10	970119143	NUT, M10	4	
11	970119136	WASHER,SPRING D10 (POUR INVERSEUR)	4	
12	970621020	STUD,M10X 22	4	
13	970409603	BOLT,HEX M 8X 25 (FIX SUP ALT)	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	970307188	No longer available	1	



V. 30/04/2012

Pag. 37/37