

SPARE PARTS CATALOGUE

Brand: NANNI DIESEL

Model: Moteur 4.110HE

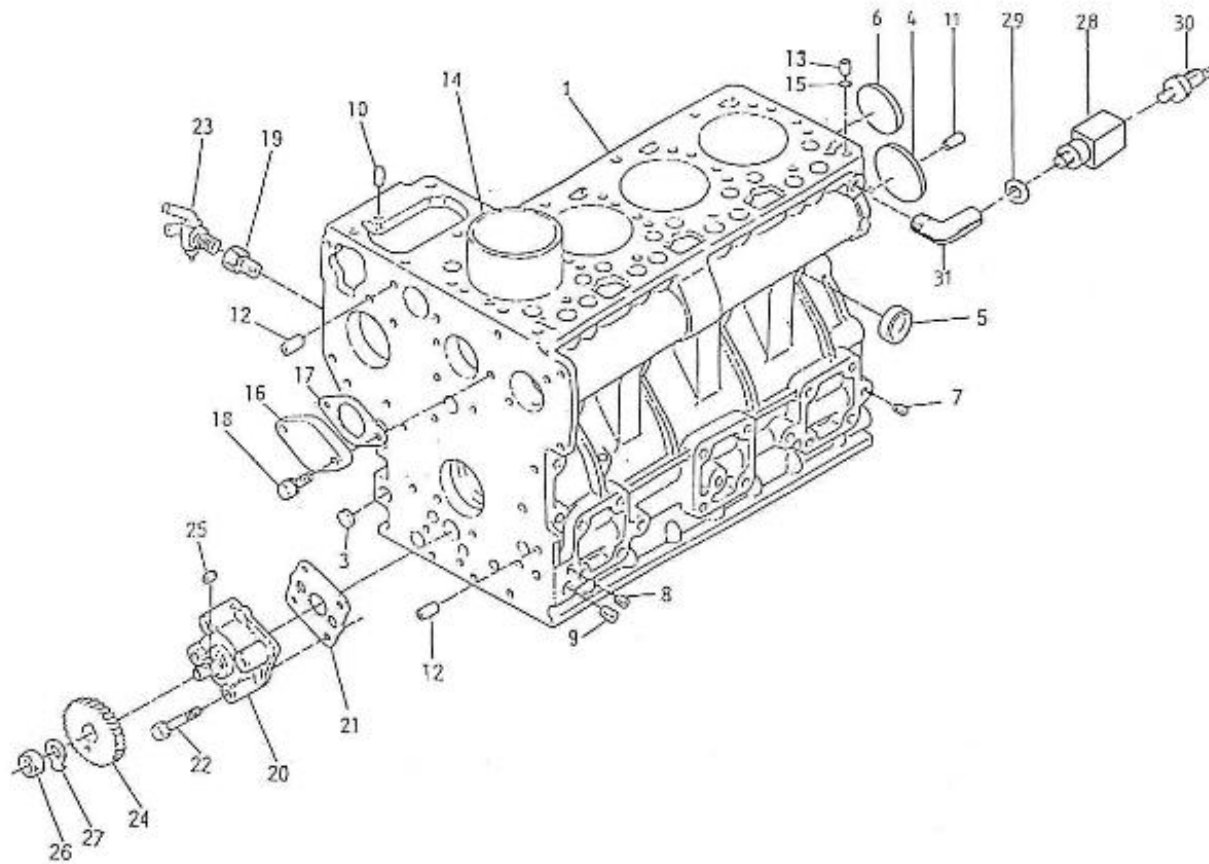
Version: Standard

Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Crank case / Cylinders



N.	Item	Description	Qty	Notes
1	970510101	CRANKCASE,CPL.4.110	1	
3	970490103	CAP,FREEZE	3	
4	970490104	CAP,FREEZE	1	
5	970490908	PLUG	6	
6	970490106	CAP,FREEZE	1	
7	970490107	PLUG,SOCK	7	
8	970490108	PLUG,SOCK	3	
9	970490109	PLUG,SOCK	1	
10	970490122	PIN,CYLINDRICAL	2	
11	970490111	PIN,CYLINDRICAL	2	
12	970490113	PIN,PIPE	2	
13	970490112	PIN,PIPE	1	
14	970150115	LINER,CYLINDER H-HE	4	
15	970490116	O-RING	1	
16	970490117	COVER,WATER CRANKCASE	1	
17	970490118	+++ PLUS DIFFUSE ++++++ JOINT BRIDE	1	
18	970490119	BOLT,M 6X 18	2	
19	970504046	NIPPLE,REDUCTION 3/4	1	
20	970493114	PUMP,OIL CPL.	1	
21	970493115	GASKET,OIL PUMP	1	
22	970493116	BOLT	4	
23	970160114	PLUG,DRAIN	1	
24	970153117	GEAR,OIL PUMP DRIVE	1	
25	970493118	KEY,FEATHER H-HE	1	
26	970493119	NUT,M10	1	
27	970493120	WASHER,CLAW D10	1	
28	970493203	FITTING,PRESS SWITCH M10	1	
29	970300430	GASKET,RING D10	1	
30	970851700	SWITCH,OIL	1	
31	970493207	ELBOW,1/8X10X1,5MF	1	

V. 28/03/2006

Pag. 2/55

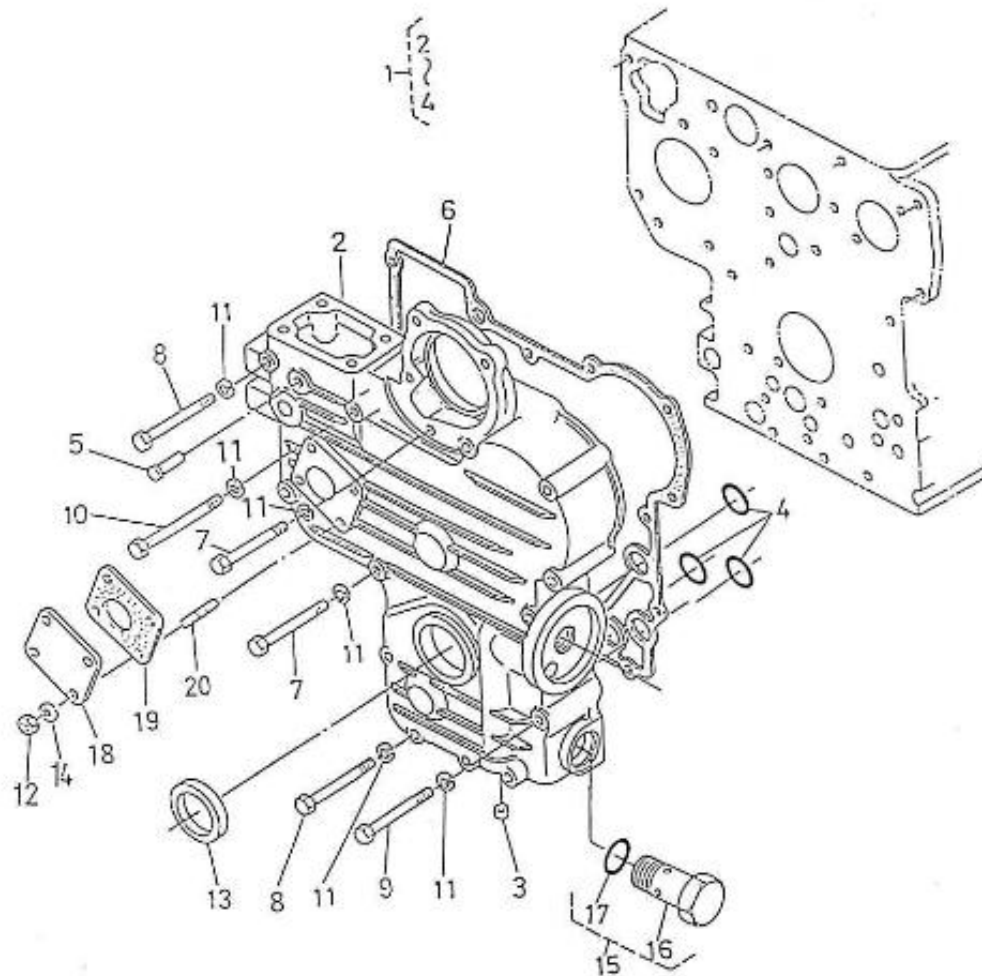
Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Timing case

N.	Item	Description	Qty	Notes
1	970150201	COVER,TIMING CASE CPL.-HE-	1	
3	970150202	PLUG,PIN	2	
4	970490203	O-RING	3	
5	970490204	PIN,TIMING COVER	1	
6	970490205	GASKET,TIMING CASE -H-	1	
7	970302584	BOLT,HEX M 6X 60	7	
8	970490208	BOLT,M 6X 65	5	
9	970490209	BOLT,M 6X 70	1	
10	970490210	BOLT	1	
11	970119149	WASHER, SPRING D 6	14	
12	970151133	NUT,M 6	4	
13	970490213	SEAL,OIL	1	
14	970119149	WASHER, SPRING D 6	4	
15	970493131	ASSY,VALVE RELIEF	1	
17	970493132	O-RING	1	
18	970490222	COVER,INJ.TIMING	1	
19	970491736	GASKET	1	
20	970490224	STUD	4	



V. 28/03/2006

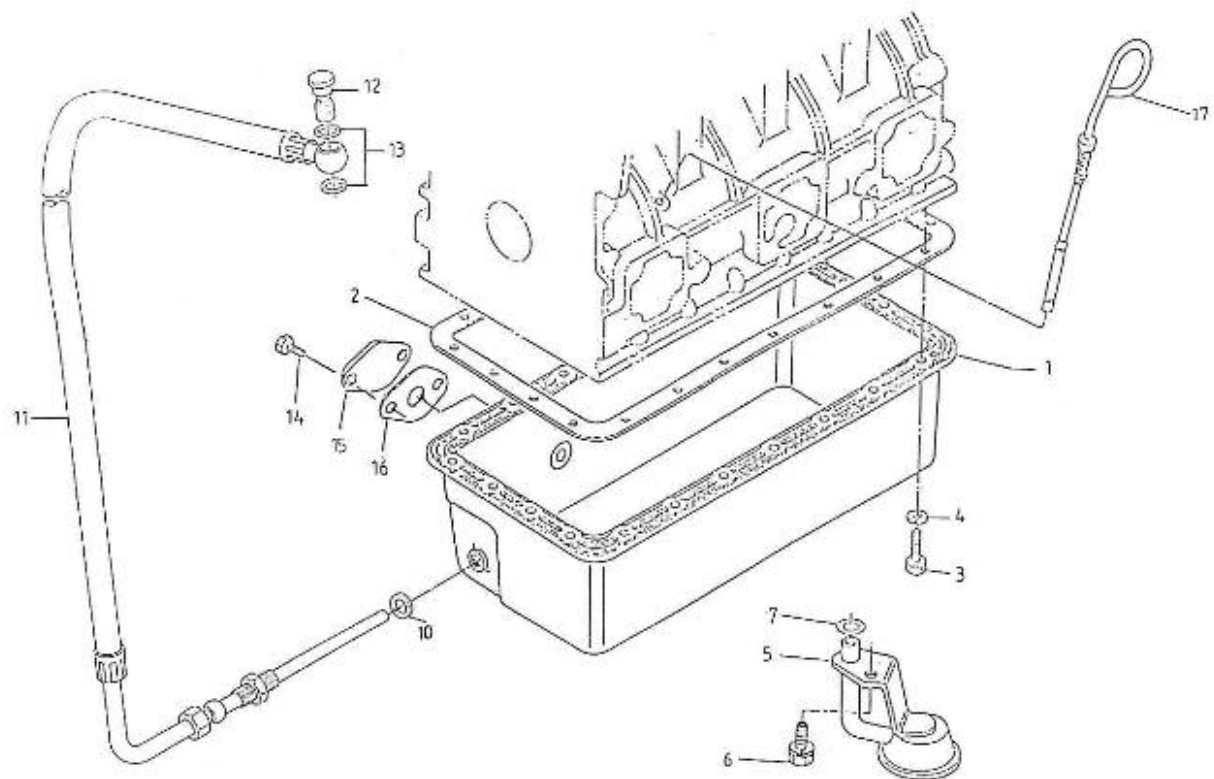
Pag. 3/55

Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Oil pan



N.	Item	Description	Qty	Notes
1	970510121	PAN,OIL 4.110	1	
2	970510110	GASKET,OIL PAN 4.110	1	
3	970490123	BOLT,M10X 9	22	
4	970119149	WASHER, SPRING D 6	22	
5	970163126	FILTER,OIL PAN 3. 90-4.110	1	
6	970490919	BOLT,M 8X 16	1	
7	970153129	O-RING,OIL FILTER 2.60 4.110	1	
8	970490127	PLUG, OIL DRAIN	1	
9	970432132	GASKET,RING	1	
10	970300325	RING,SEAL D12	1	
11	970302492	PIPE,OIL EXTRACTION CPL.4.110H	1	
12	970432515	BOLT,BANJO M14X1,5	1	
13	970300306	GASKET,RING D14	1	
14	970490119	BOLT,M 6X 18	1	
15	970301517	COVER,OIL PAN 4.110	1	
16	970490142	GASKET,OIL GAUGE	1	
17	970510140	DIPSTICK,OIL LEVEL 4.110HE	1	

V. 28/03/2006

Pag. 4/55

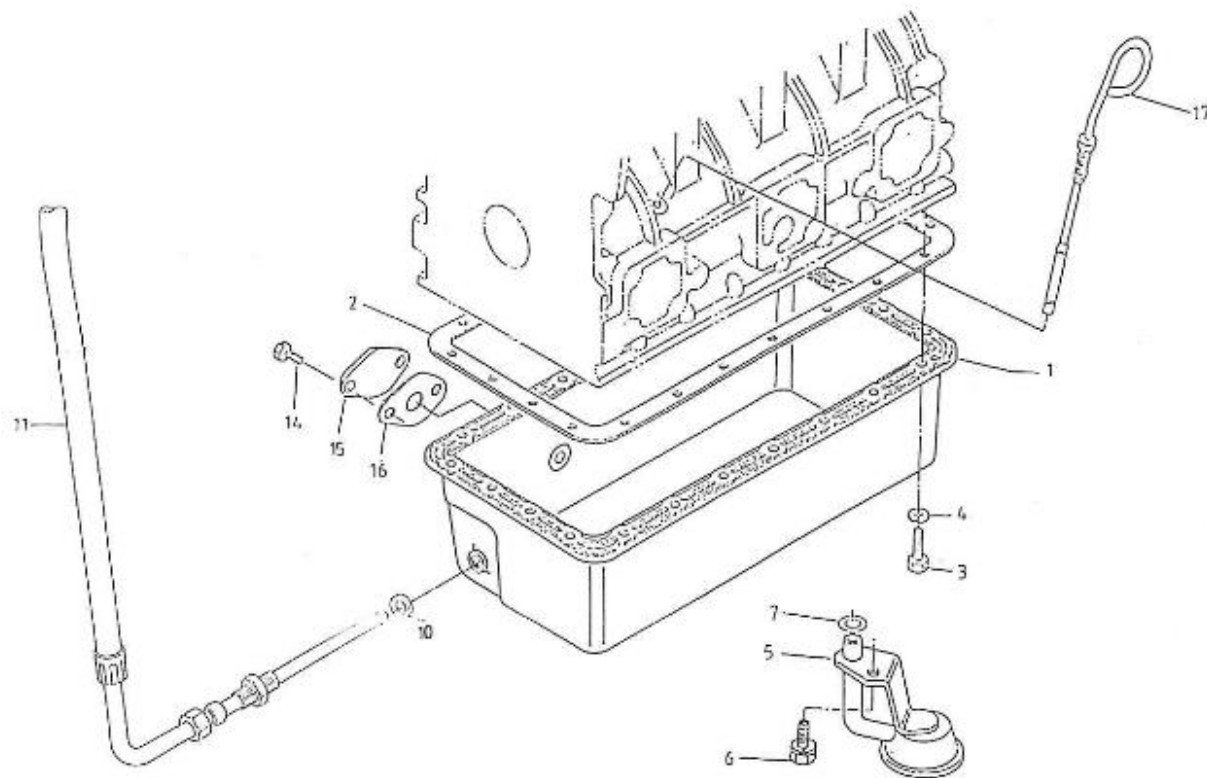
Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Oil pan

N.	Item	Description	Qty	Notes
1	970510121	PAN,OIL 4.110	1	
2	970510110	GASKET,OIL PAN 4.110	1	
3	970490123	BOLT,M10X 9	22	
4	970119149	WASHER, SPRING D 6	22	
5	970163126	FILTER,OIL PAN 3. 90-4.110	1	
6	970490919	BOLT,M 8X 16	1	
7	970153129	O-RING,OIL FILTER 2.60 4.110	1	
8	970490127	PLUG, OIL DRAIN	1	
9	970432132	GASKET,RING	1	
10	970300325	RING,SEAL D12	1	
11	970307158	PIPE	1	
14	970490119	BOLT,M 6X 18	1	
15	970301517	COVER,OIL PAN 4.110	1	
16	970490142	GASKET,OIL GAUGE	1	
17	970510140	DIPSTICK,OIL LEVEL 4.110HE	1	



V. 28/03/2006

Pag. 5/55

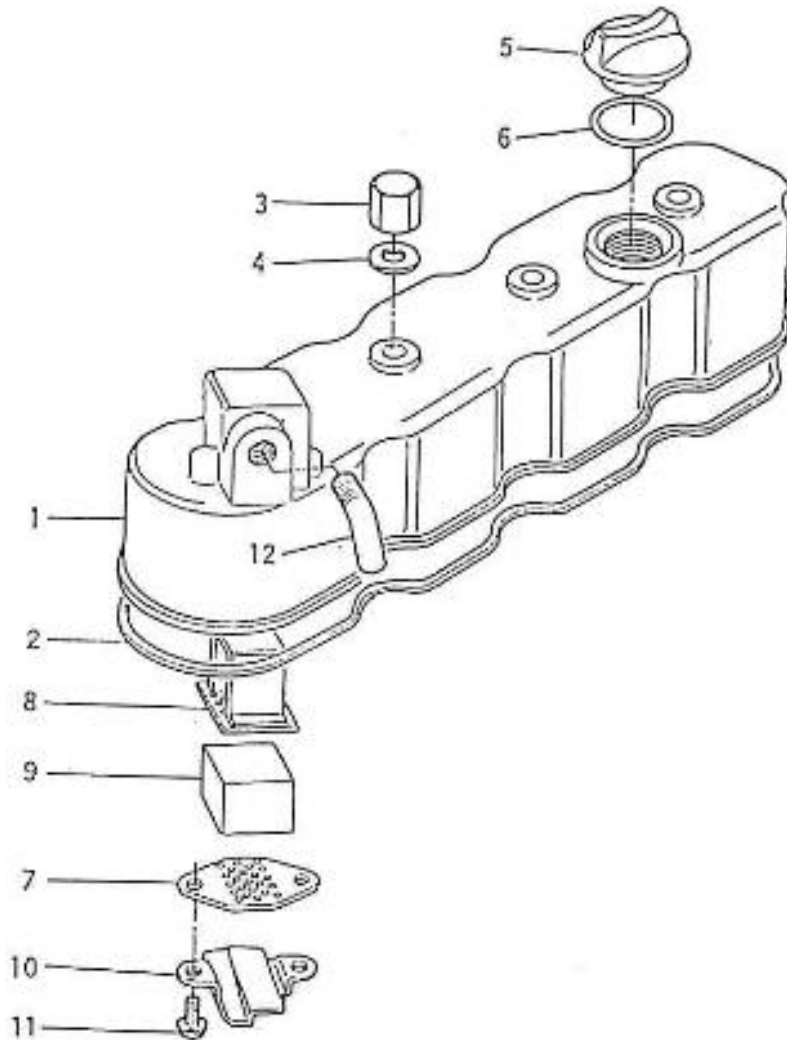
Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Cylinder head cover

N.	Item	Description	Qty	Notes
1	970510501	COVER,CYLINDER HEAD 4.110	1	
2	970510502	GASKET,COVER CYL:HEAD 4.110	1	
3	970490503	NUT,CAP	4	
4	970490505	GASKET,RING	4	
5	970490510	CAP,FILLING OIL	1	
6	970490511	O-RING	1	
7	970490303	PLATE,BREATHER ELEMENT	1	
8	970490302	HOUSING,BREATHER ELEMENT	1	
9	970490305	FILTER,BREATHER ELEMENT	1	
10	970490306	SHIELD,OIL BREATHER	1	
11	970490307	SCREW,M 5X 10	2	
12	970301993	PIPE,BREATHER	1	



V. 28/03/2006

Pag. 6/55

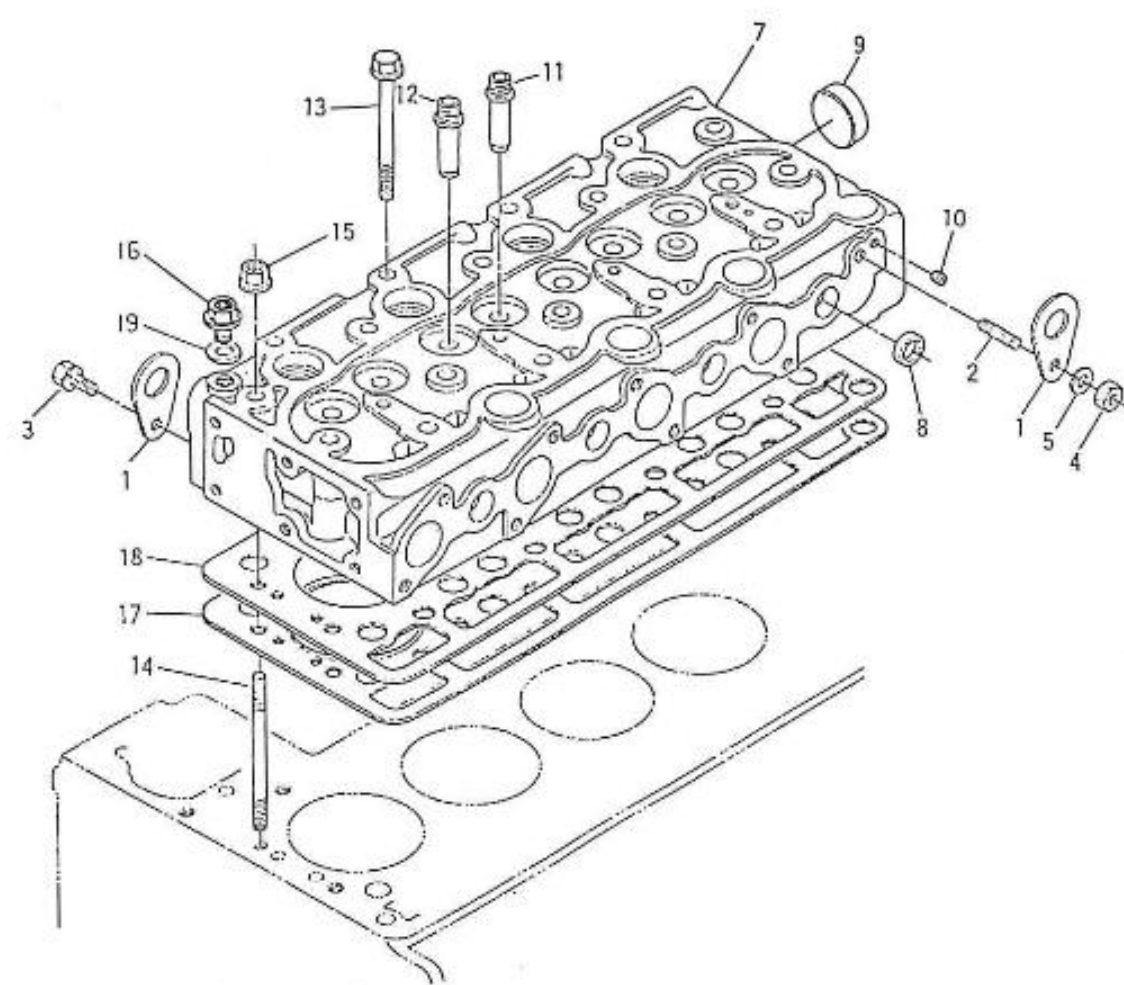
Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Cylinder head

N.	Item	Description	Qty	Notes
1	970490901	HOOK,ENGINE 2.60-3.90-4.110	2	
2	970490902	STUD,M 8X 16	1	
3	970490919	BOLT,M 8X 16	1	
4	970490903	NUT,M 8	1	
5	970490904	WASHER,SPRING D 8	1	
7	970510905	HEAD,CYLINDER CPL 4.110	1	
8	970490921	CAP,SEALING	7	
9	970490908	PLUG	1	
10	970490909	PLUG,PIN CRANKSHAFT	2	
11	970500922	GUIDE,VALVE INTAKE H-HE	4	
12	970500923	GUIDE,VALVE EXHAUST H-HE	4	
13	970150912	BOLT,CYL.HEAD	16	
14	970150913	STUD,CYL.HEAD 2. 60-3.90-4.110	2	
15	970150914	NUT,CYLINDER HEAD	2	
16	970851725	TEMPERATURE SENDER	1	
17	970510918	GASKET,CYL.HEAD 4.110HE	1	
18	970510917	SHIM,CYLINDER HEAD 4.110	1	
19	970150919	WASHER,SEAL	1	



V. 28/03/2006

Pag. 7/55

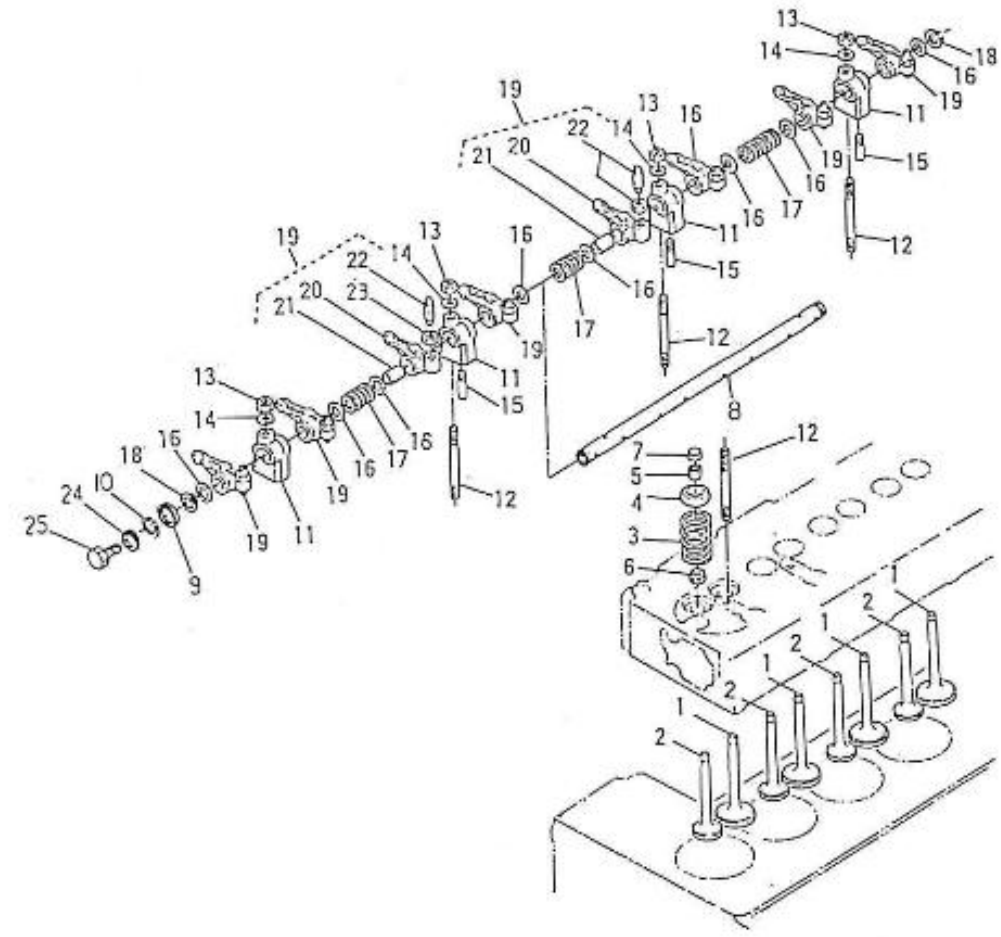
Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Valves & Springs

N.	Item	Description	Qty	Notes
1	970511001	VALVE,INTAKE 4.110HE	4	
2	970151002	VALVE,EXHAUST	4	
3	970491003	SPRING,VALVE	8	
4	970491004	RETAINER,VALVE SPRING	8	
5	970491005	COLLET,VALVE SPRING	16	
6	970491006	SEAL,VALVE STEM	8	
7	970491007	CAP,VALVE	8	
8	970511008	SHAFT,ROCKER ARM 4.110	1	
9	970301518	WASHER	2	
10	970491009	SCREW,SET	2	
11	970491011	BRACKET,ROCKER ARM	4	
12	970302788	STUD	4	
13	970491013	NUT	4	
14	970491014	WASHER,PLAIN	4	
15	970491015	SCREW,SET	1	
16	970491016	WASHER	8	
17	970491017	SPRING,ROCKER ARM	3	
18	970491018	CIR-CLIP,EXTERNAL	2	
19	970151019	ASSY,ROCKER ARM 2.60-3.90-4.11	8	
21	970151022	BUSHING,ROCKER ARM	8	
22	970491022	SCREW,ADJ.ROCKER ARM	8	
23	970301491	NUT	8	



V. 28/03/2006

Pag. 8/55

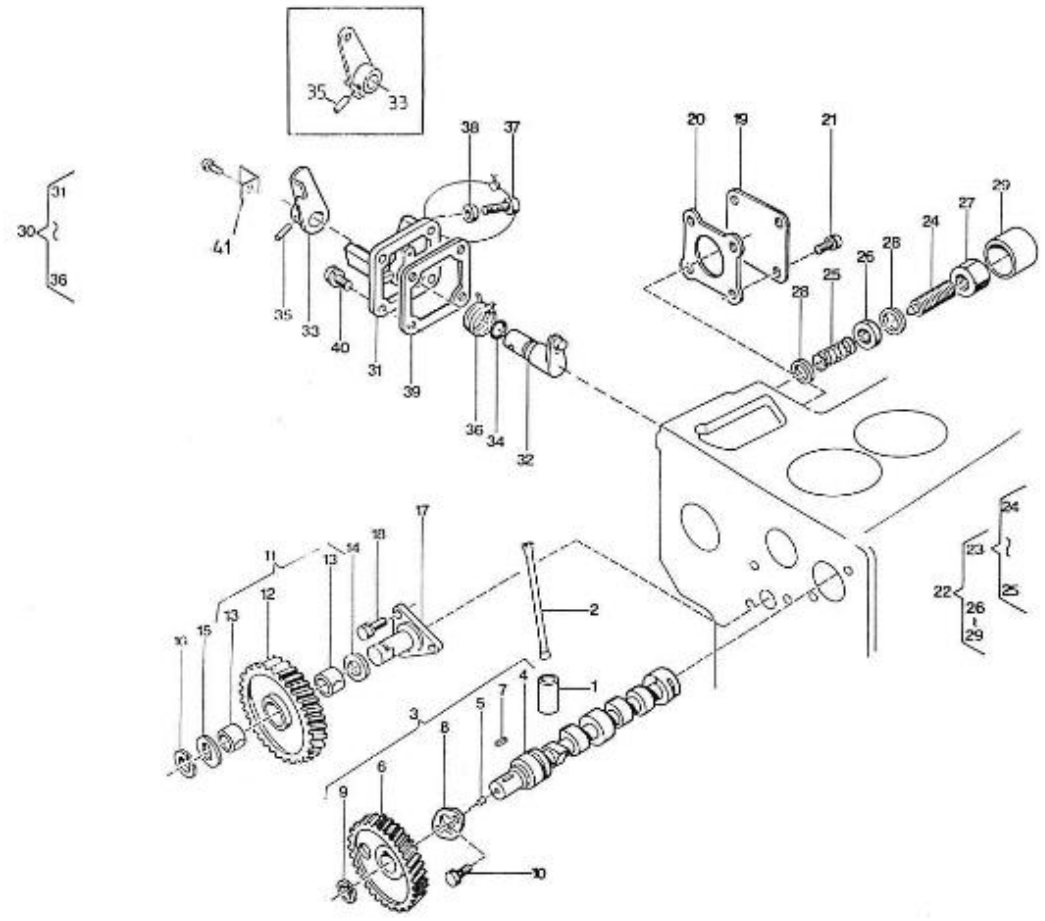
Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Camshaft

N.	Item	Description	Qty	Notes
1	970491101	TAPPET	8	
2	970491102	ROD,PUSH	8	
3	970511101	CAMSHAFT,CPL.4.110	1	
4	970511140	CAMSHAFT,4.110	1	
5	970491104	PLUG	2	
6	970491105	GEAR,CAMSHAFT H-HE	1	
7	970491106	KEY,FEATHER	1	
8	970491107	STOPPER,CAMSHAFT	1	
9	970491108	CIR-CLIP,EXTERNAL	1	
10	970490508	BOLT,M 6X 14	2	
11	970491111	GEAR,IDLE CPL.	1	
13	970491112	BUSH,IDLE GEAR	2	
14	970491113	COLLAR,IDLE GEAR N01	1	
15	970491114	COLLAR,IDLE GEAR N02	1	
16	970491115	CIR-CLIP,EXTERNAL	1	
17	970491116	SHAFT,IDLE GEAR	1	
18	970491117	BOLT,M 6X 16	3	
19	970491133	COVER,FUEL CAMSHAFT	1	
20	970491119	GASKET,COVER OIL PUMP	1	
21	970491134	BOLT,M 8X 18	4	
22	970151125	ADJUSTMENT,GOVERNOR CPL.	1	
23	970151126	SCREW,ADJUSTING IDLE CPL.	1	
26	970491129	NUT	1	
27	970491130	NUT,CAP	1	
28	970491131	WASHER,SEAL	2	
29	970491132	CAP,NUT	1	
30	970151127	LEVER,ENGINE STOP CPL.	1	
31	970151128	COVER,INJ.PUMP	1	
34	970151129	O-RING	1	
35	970151130	PIN,SPRING RETAINER	1	
36	970151131	SPRING,INJ.PUMP	1	
37	970141301	BOLT, STOPPER ADJ.	1	
38	970151133	NUT,M 6	1	
39	970492104	GASKET,COVER	1	
40	970490119	BOLT,M 6X 18	4	
41	970302571	SUPPORT,ACC.CONTROL H/HE	1	



V. 28/03/2006

Pag. 9/55

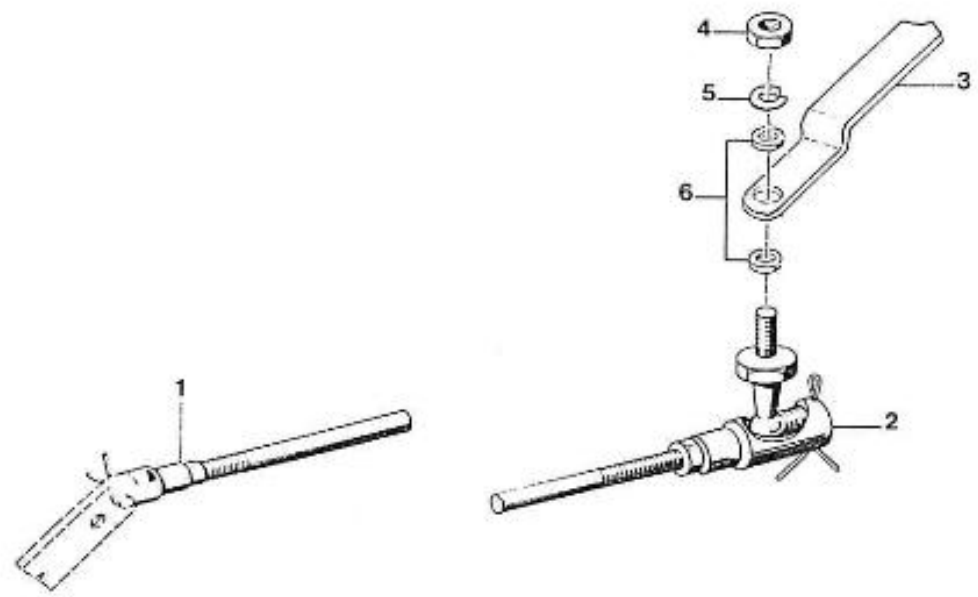
Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Speed control

N.	Item	Description	Qty	Notes
1	970150401	SCREW,ADJUSTING	1	
2	970150402	NUT	1	
3	970150403	RING,SEAL	2	
4	970140504	NUT, CAP M8	1	
5	970150405	CAP,NUT	1	
6	970151306	LEVER,ACCELERATOR	1	
7	970491312	KEY,FEATHER	1	
8	970151129	O-RING	1	
9	970151309	WASHER,PLAIN D 6	1	
10	970151310	NUT,M 6	2	
11	970151311	SPACER,GOVERNOR	1	
12	970151312	COVER,SPEED CONTROL	1	
13	970491311	GASKET,COVER SPEED CONTROL	1	
14	970491536	BOLT,M 6X 20	3	
15	970490224	STUD	1	
16	970151133	NUT,M 6	3	
17	970119149	WASHER, SPRING D 6	1	
18	970141301	BOLT, STOPPER ADJ.	2	
19	970491313	SPRING,START GOVERNOR	1	
20	970511314	SPRING,GOVERNOR N01 4.110	1	
21	970511315	SPRING,GOVERNOR N02 4.110	1	
22	970151316	LEVER,GOVERNOR CPL.	1	
23	970511317	GOVERNOR,CPL 4.110	1	
24	970511319	LEVEL,GOVERNOR CPL.4.110	1	
31	970151320	LEVER,FORK N02	1	
32	970491319	SHAFT,FORK LEVER	1	
33	970151321	BOLT,M 5X 16	1	
34	970141322	WASHER, SPRING D 5	2	
35	970491321	SUPPORT,FORK LEVER	1	
36	970491322	BOLT	1	
37	970491323	BOLT,M 6X 28	2	



V. 28/03/2006

Pag. 10/55

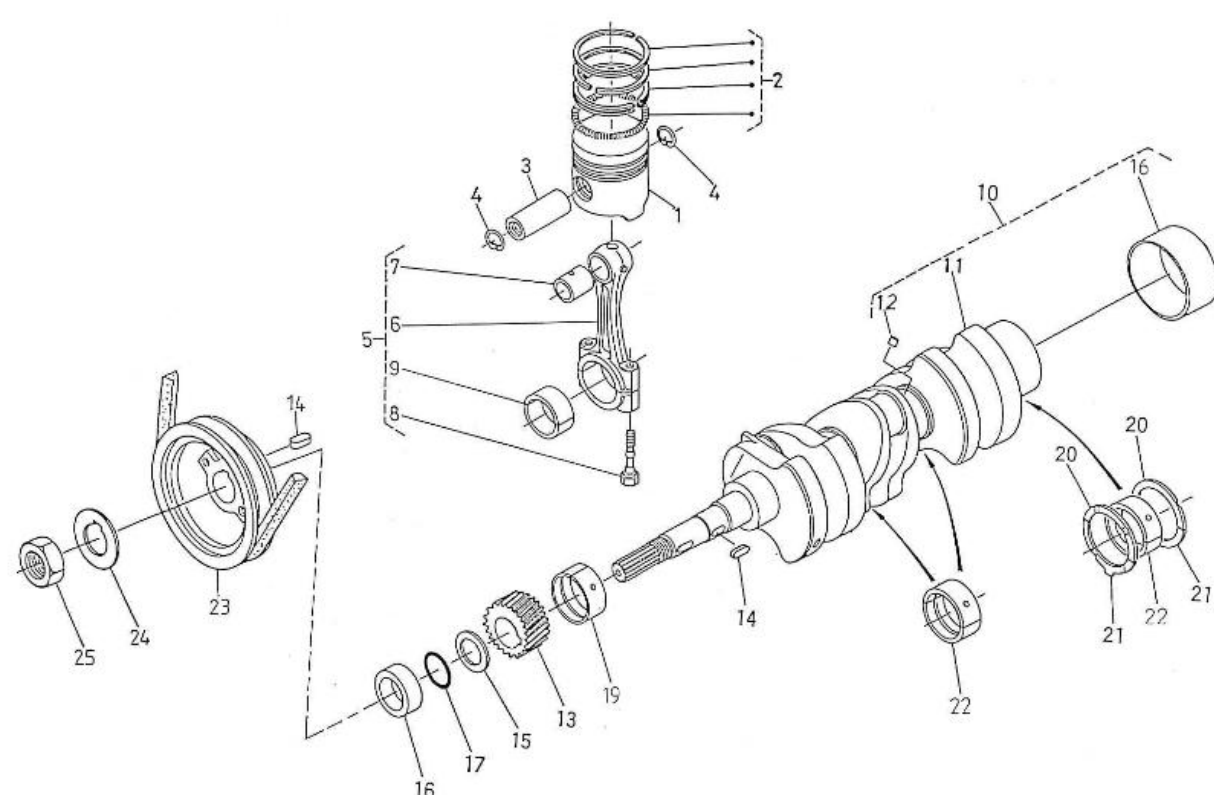
Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Crankshaft pistons

N.	Item	Description	Qty	Notes
1	970151550	PISTON,STD.2.60-4.110	4	
2	970151502	SET,PISTON RING STD.	4	
3	970491503	PIN,PISTON	4	
4	970491504	CIR-CLIP	8	
5	970491505	ROD,CONNECTING CPL.2. 60-3.90-	4	
7	970491512	BUSH,CONN.ROD	4	
8	970491513	BOLT,CONN.ROD	8	
9	970491514	METAL,CONN.ROD STD	4	
10	970511515	CRANKSHAFT,CPL.4.110	1	
12	970490909	PLUG,PIN CRANKSHAFT	4	
13	970491520	GEAR,CRANKSHAFT	1	
14	970491106	KEY,FEATHER	2	
15	970491522	SLINGER,OIL	1	
16	970151513	SLEEVE,CRANKSHAFT	1	
17	970491524	O-RING,CRANKSHAFT	1	
18	970151523	BUSH,CRANKSHAFT	1	
19	970491525	METAL,CRANKSHAFT 1 STD	1	
20	970491527	METAL,SIDE 1 STD	2	
21	970491528	METAL,SIDE 2 STD	2	
22	970491526	METAL,CRANKSHAFT 2 STD	4	
23	970511516	PULLEY,CRANKSHAFT D115 4.110H/	1	
24	970301493	WASHER,CRANKSHAFT	1	
25	970301492	NUT,CRANKSHAFT	1	
26	970151561	PISTON,+0,50	4	
27	970151503	SET,PISTON RING +0.50	4	
28	970491545	METAL,CONN.ROD 0,20	4	
29	970491555	METAL,CONN.ROD 0,40	4	
30	970491546	METAL,CRANKSHAFT +0.20	1	
31	970491556	METAL,CRANKSHAFT +0.40	1	
32	970491547	METAL,CRANKSHAFT 2 0.20	4	
33	970491557	METAL,CRANKSHAFT 2 0.40	4	
34	970491548	METAL,SIDE 1 0.02	2	
35	970491558	METAL,SIDE 1 0.04	2	
36	970491549	METAL,SIDE 2 0.02	2	
37	970491559	METAL,SIDE 2 0.04	2	



V. 28/03/2006

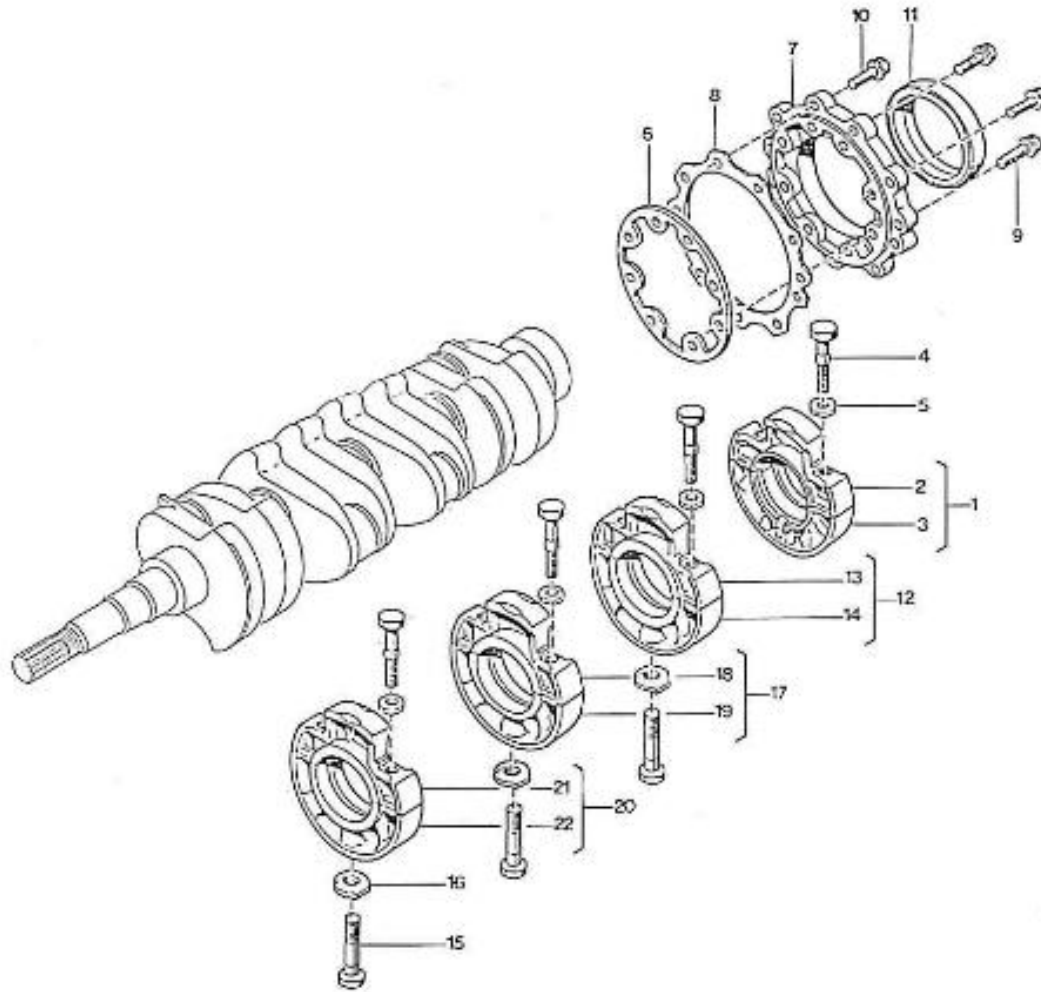
Pag. 11/55

Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Crankshaft

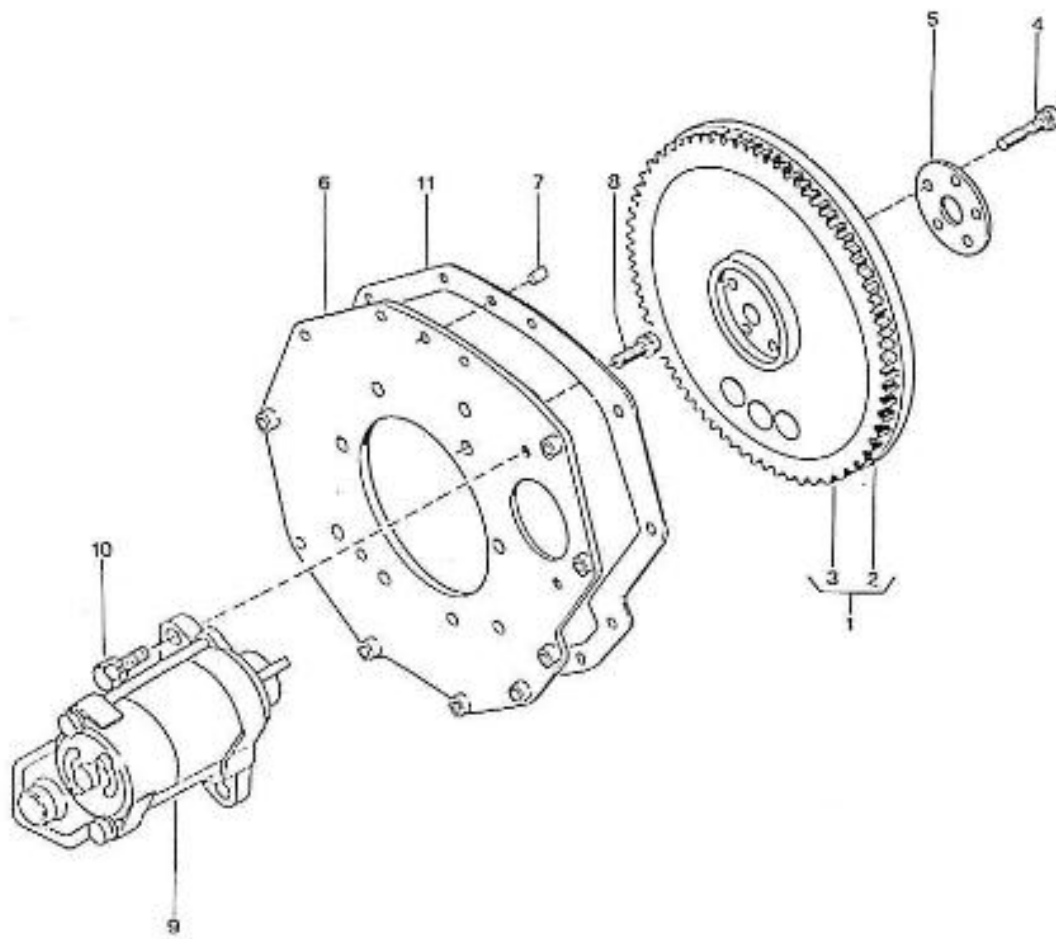


N.	Item	Description	Qty	Notes
1	970491532	BEARING,MAIN ASSY N01 3.90-4.	1	
4	970491533	BOLT,BEARING CASE N01	8	
5	970491534	WASHER,BEARING CASE N01	8	
6	970491506	GASKET,BEARING CASE	1	
7	970161535	COVER,BEARING CASE	1	
8	970491508	GASKET,BEARING CASE COVER	1	
9	970491536	BOLT,M 6X 20	9	
10	970491537	BOLT,M 6X 25	8	
11	970151529	SEAL,OIL	1	
12	970491538	BEARING,MAIN ASSY N02 2.60-3.9	1	
15	970491539	BOLT,BEARING CASE	3	
16	970491540	WASHER,BEARING CASE	3	
17	970501541	BEARING,MAIN ASSY N03 3.90-4.	1	
20	970511542	BEARING,MAIN ASSY N04 4.110	1	

V. 28/03/2006

Pag. 12/55

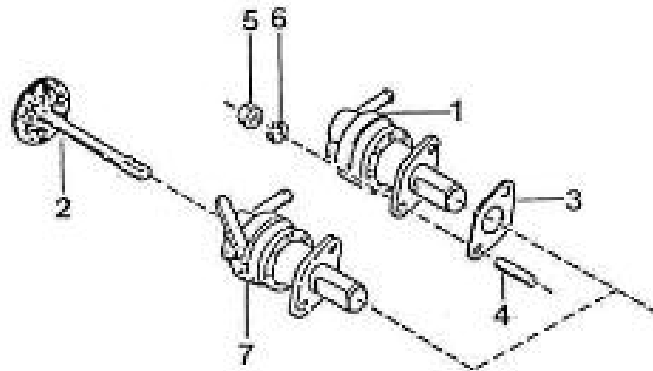
Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.110HE	1	970517002	FLYWHEEL,CPL.4.110	1	
Version: Standard	3	970491703	GEAR,FLYWHEEL	1	
Subassembly: Flywheel	4	970491705	BOLT,FLYWHEEL	5	
	5	970491706	WASHER,FLYWHEEL	1	
	6	970491707	PLATE,REAR END 2. 60-3.90-4.11	1	
	7	970490111	PIN,CYLINDRICAL	1	
	8	970491709	BOLT,REAR END PLATE	8	
	9	970517303	STARTER,MOTOR 12V 1,0KW 1P	1	
	10	970409603	BOLT,HEX M 8X 25	2	
	11	970151706	GASKET,REAR END PLATE	1	



V. 28/03/2006

Pag. 13/55

Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.110HE	1	970512501	PUMP,FUEL FEED CPL.MANUAL	1	
Version: Standard	2	970492502	DIAPHRAM,FUEL PUMP	1	
Subassembly: Fuel feed pump	3	970492512	GASKET,FUEL PUMP	1	
	4	970492513	STUD, M 6X 16	2	
	5	970151133	NUT,M 6	2	
	6	970119149	WASHER, SPRING D 6	2	
	7	970512501	PUMP,FUEL FEED CPL.MANUAL	1	



V. 28/03/2006

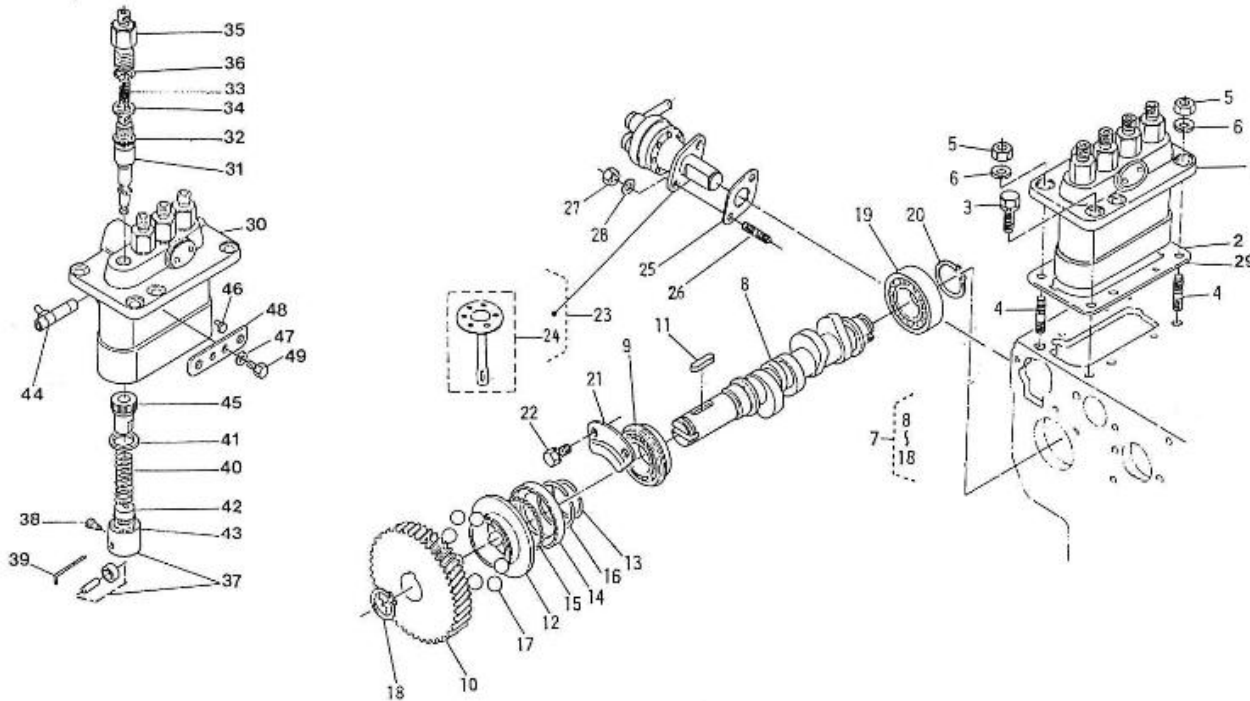
Pag. 14/55

Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Injection & Fuel pump



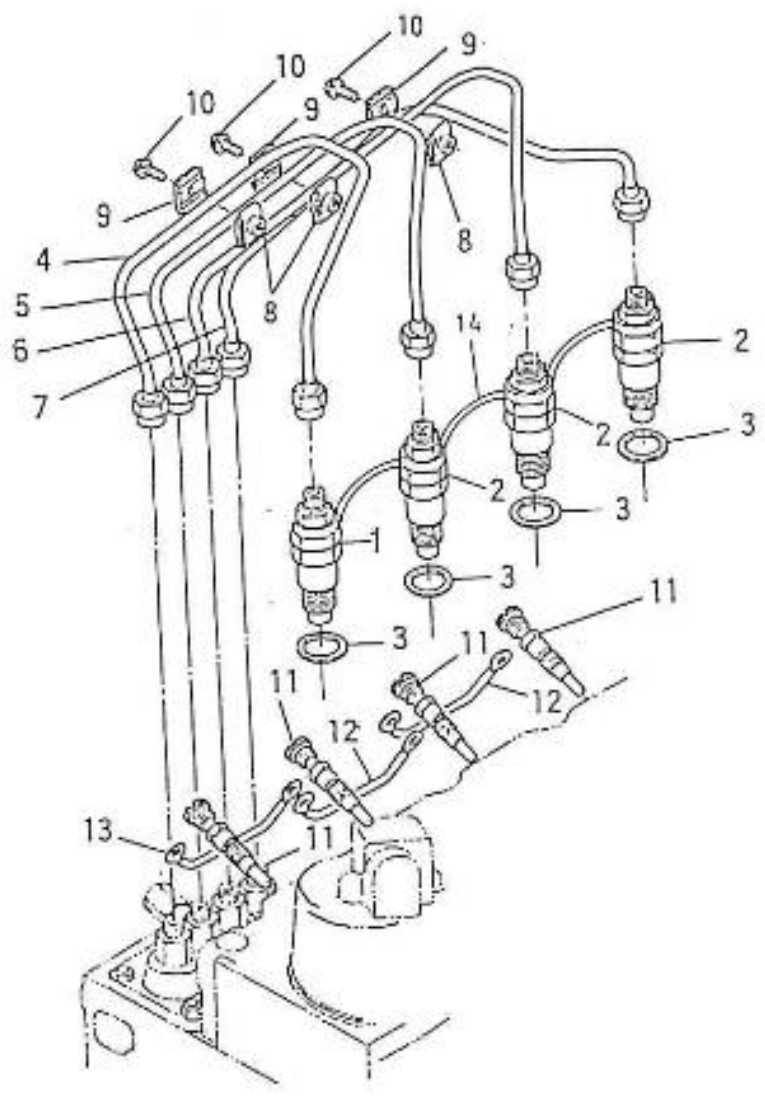
N.	Item	Description	Qty	Notes
1	970512120	PUMP,INJECTION 4.110 CPL	1	
2	970512121	SET,SHIM INJECTION PUMP 4.110	1	
3	970492138	BOLT,M 8X 22	2	
4	970300103	STUD,M 8X 20	2	
5	970490903	NUT,M 8	2	
6	970490904	WASHER,SPRING D 8	2	
7	970512122	CAMSHAFT,FUEL CPL.4.110	1	
8	970512122	CAMSHAFT,FUEL CPL.4.110	1	
9	970492124	BEARING,BALL	1	
10	970492125	GEAR,INJ.PUMP	1	
11	970492126	KEY,FEATHER	1	
12	970492127	SLEEVE,GOVERNOR INJ.PUMP	1	
13	970492128	CIR-CLIP,GOVERNOR SLEEVE	1	
14	970492129	CASE,GOVERNOR BALL	1	
15	970492130	BEARING,BALL FUEL CAMSHAFT	30	
16	970492131	CIR-CLIP,GOVERNOR BALL CASE	1	
17	970492132	BEARING,BALL GOVERNOR	8	
18	970491108	CIR-CLIP,EXTERNAL	1	
19	970492134	BEARING,BALL	1	
20	970492135	CIR-CLIP,EXTERNAL	1	
21	970492136	STOPPER,FUEL CAMSHAFT	1	
22	970140123	BOLT ,M 6X12	1	
23	970512501	PUMP,FUEL FEED CPL.MANUAL	1	
24	970492502	DIAPHRAM,FUEL PUMP	1	
25	970492512	GASKET,FUEL PUMP	1	
26	970492513	STUD, M 6X 16	2	
27	970151133	NUT,M 6	2	
28	970119149	WASHER, SPRING D 6	2	
29	970512501	PUMP,FUEL FEED CPL.MANUAL	1	
30	970512120	PUMP,INJECTION 4.110 CPL	1	
31	970492146	ELEMENT,INJ/PUMP	4	
32	970492147	VALVE,DELIVERY INJ/PUMP	4	
33	970492148	SPRING,DELIVERY VALVE INJ/PUMP	4	
34	970492149	GASKET,DELIVERY VALVE INJ.PUMP	4	
35	970492150	NIPPLE,DELIVERY VALVE INJ/PUMP	4	
36	970492151	O-RING,INJ.PUMP	4	
37	970492156	TAPPET,INJ.PUMP CPL.	4	
38	970492157	PIN,TAPPET GUIDE INJ/PUMP	4	
39	970492158	PIN,CLAMP INJ/PUMP	1	
40	970492159	SPRING,PLUNGER INJ/PUMP	4	
41	970492160	SEAT,SPRING -UPPER-	4	
42	970492161	SEAT,SPRING -LOWER-	4	
43	970492162	SHIM,INJECTION PUMP	1	
44	970492163	RACK,CONTROL INJ/PUMP	1	
45	970492164	SLEEVE,CONTROL INJ/PUMP	4	
46	970492168	PIN,COLLAR INJ/PUMP	2	
47	970119149	WASHER, SPRING D 6	2	
48	970502169	PLATE,ADJUSTING INJ.PUMP 2.60	1	

V. 28/03/2006

Pag. 15/55

Brand: NanniDiesel
Model: Moteur 4.110HE
Version: Standard
Subassembly: Injection lines nozzles

N.	Item	Description	Qty	Notes
1	970492107	INJECTOR,CPL.SINGLE	1	
2	970152108	INJECTOR,CPL.	3	
3	970492109	GASKET,RING INJECTORS	4	
4	970512110	LINE,FUEL CYL.N01 4.110	1	
5	970512111	LINE,FUEL CYL.N02 4.110	1	
6	970512112	LINE,FUEL CYL.N03 4.110	1	
7	970512113	LINE ,FUEL CYL.N04 4.110	1	
8	970142114	CLAMP,FUEL LINES 1+2	3	
9	970142115	CLAMP,FUEL-LINES 1+2	3	
10	970492118	SCREW,M 5X 20 ROUND HEAD	3	
11	970152116	GLOWPLUG,H-HE	4	
12	970492117	CABLE,GLOWPLUG	2	
13	970512117	CABLE,GLOWPLUG 4.110	1	
14	970512101	PIPE,FUEL OVERFLOW X 4 CPL	1	



V. 28/03/2006

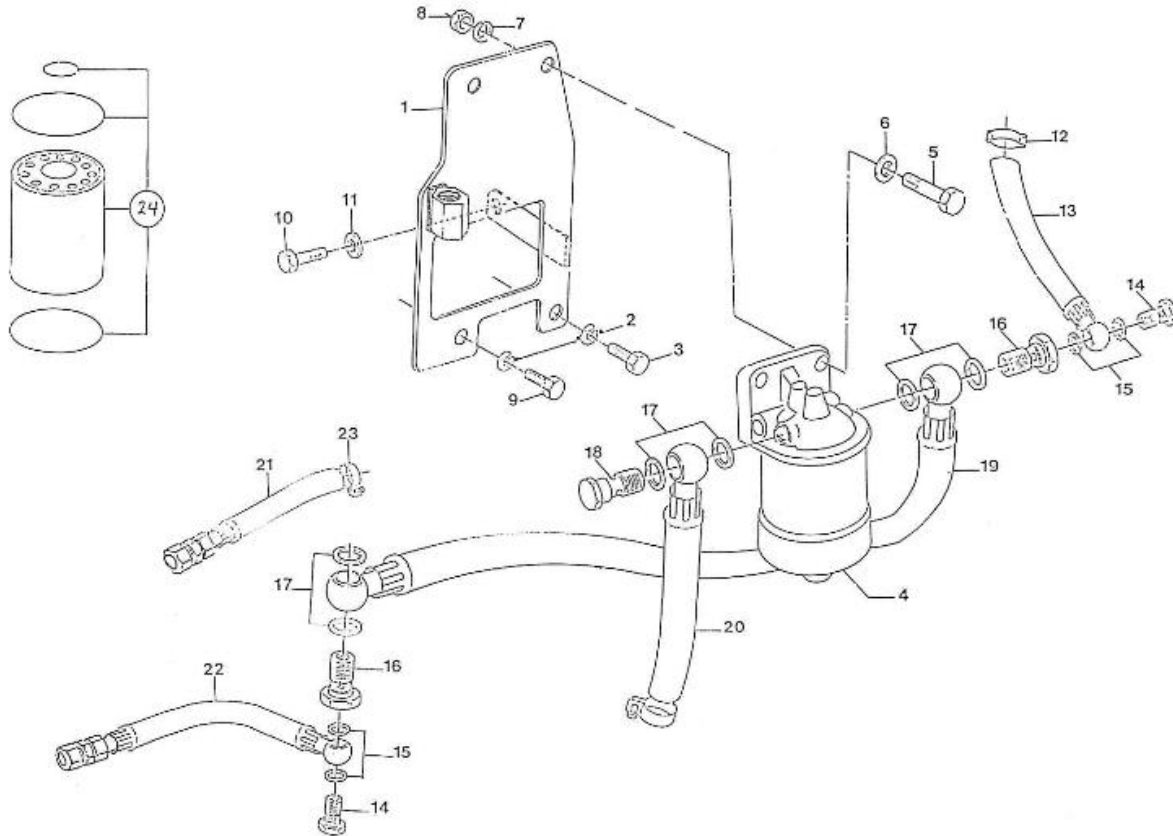
Pag. 16/55

Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Fuel filter Assy.



N.	Item	Description	Qty	Notes
1	970307094	SUPPORT	1	
2	970119149	WASHER, SPRING D 6	2	
3	970497323	BOLT, HEX M 6X 80	1	
4	970875100	FILTER	1	
5	970644008	BOLT, HEX M10X 35	2	
6	970119135	WASHER, PLAIN D10	2	
7	970119136	WASHER, SPRING D10	2	
8	970119143	NUT, M10	2	
9	970302213	BOLT, HEX M 6X 70	1	
10	970639903	BOLT, HEX M 8X 16	1	
11	970119138	WASHER, SPRING D 8	1	
12	970310171	CLAMP	1	
13	970302499	HOSE	1	
14	970432133	BOLT, BANJO M 8	2	
15	970300288	GASKET, M8	4	
16	970300327	BOLT, BANJO M14X1,5XM8	2	
17	970300306	GASKET, RING D14	6	
18	970432515	BOLT, BANJO M14X1,5	1	
19	970492310	HOSE, FUEL SUPPLY FILTER CPL./H/	1	
20	970512320	HOSE, FUEL SUPPLY INJ.PUMP CPL.	1	
21	970300995	HOSE, FUEL SUPPLY CPL H/HE	1	
22	970300994	HOSE, FUEL RETURN CPL H/HE	1	
23	970439306	CLAMP, HOSE 11-17	1	
24	970875102	FILTER	1	

V. 28/03/2006

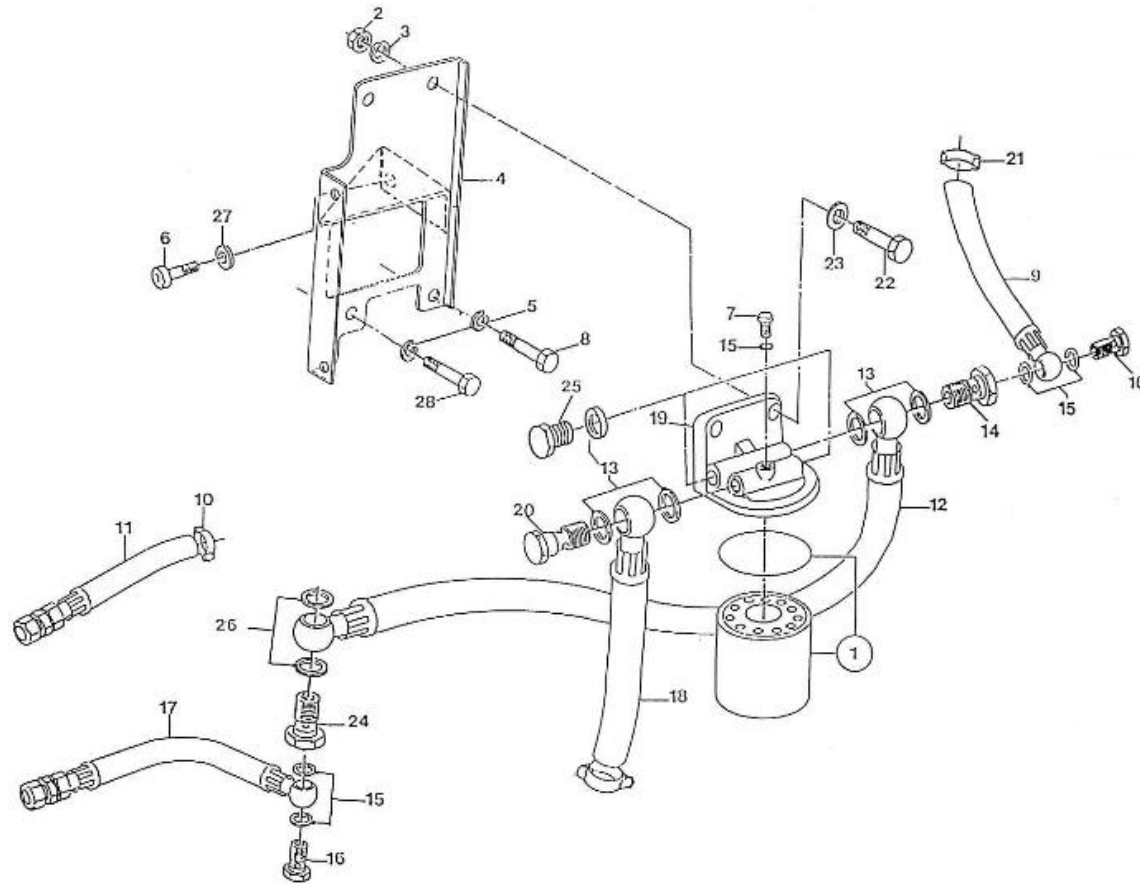
Pag. 17/55

Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Fuel filter Assy.



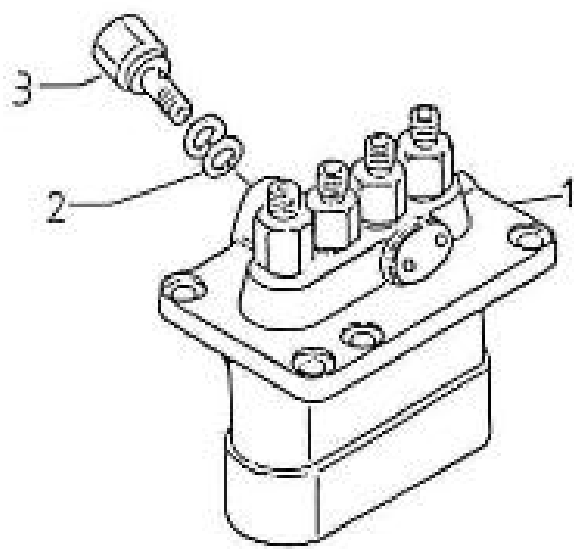
N.	Item	Description	Qty	Notes
1	970622350	FILTER,FUEL	1	
2	970119143	NUT, M10	2	
3	970119136	WASHER,SPRING D10	2	
4	970304076	SUPPORT,FUEL FILTER ELEMENT H-	1	
5	970119149	WASHER, SPRING D 6	2	
6	970639903	BOLT,HEX M 8X 16	1	
7	970832061	BOLT	1	
8	970497323	BOLT,HEX M 6X 80	1	
9	970302166	HOSE,FUEL LEAKAGE CPL.D 3 L= 3	1	
10	970302585	CLAMP,TWO-EAR 11-13	1	
11	970300995	HOSE,FUEL SUPPLY CPL H/HE	1	
12	970492320	HOSE,FUEL SUPPLY INJ.PUMP CPL.	1	
13	970300306	GASKET,RING D14	6	
14	970300327	BOLT,BANJO M14X1,5XM8	1	
15	970300288	GASKET,M8	4	
16	970432133	BOLT,BANJO M 8	2	
17	970300994	HOSE,FUEL RETURN CPL H/HE	1	
18	970492310	HOSE,FUEL SUPPLY FILTER CPL.H/	1	
19	970302494	SUPPORT,FUEL FILTER ELEMENT H-	1	
20	970432515	BOLT,BANJO M14X1,5	1	
21	970310171	CLAMP	1	
22	970635508	BOLT,HEX M10X 25	2	
23	970119135	WASHER,PLAIN D10	2	
24	970302159	BOLT,BANJO M12X1,5 - M8X1	1	
25	970875506	PLUG	2	
26	970300325	RING,SEAL D12	2	
27	970119138	WASHER,SPRING D 8	1	
28	970302213	BOLT,HEX M 6X 70	1	

V. 28/03/2006

Pag. 18/55

Brand: NanniDiesel
Model: Moteur 4.110HE
Version: Standard
Subassembly: Injection pump

N.	Item	Description	Qty	Notes
1	970512120	PUMP,INJECTION 4.110 CPL	1	
2	970492166	GASKET,RING INJ.PUMP	2	
3	970492165	SCREW,INJ.PUMP	3	



V. 28/03/2006

Pag. 19/55

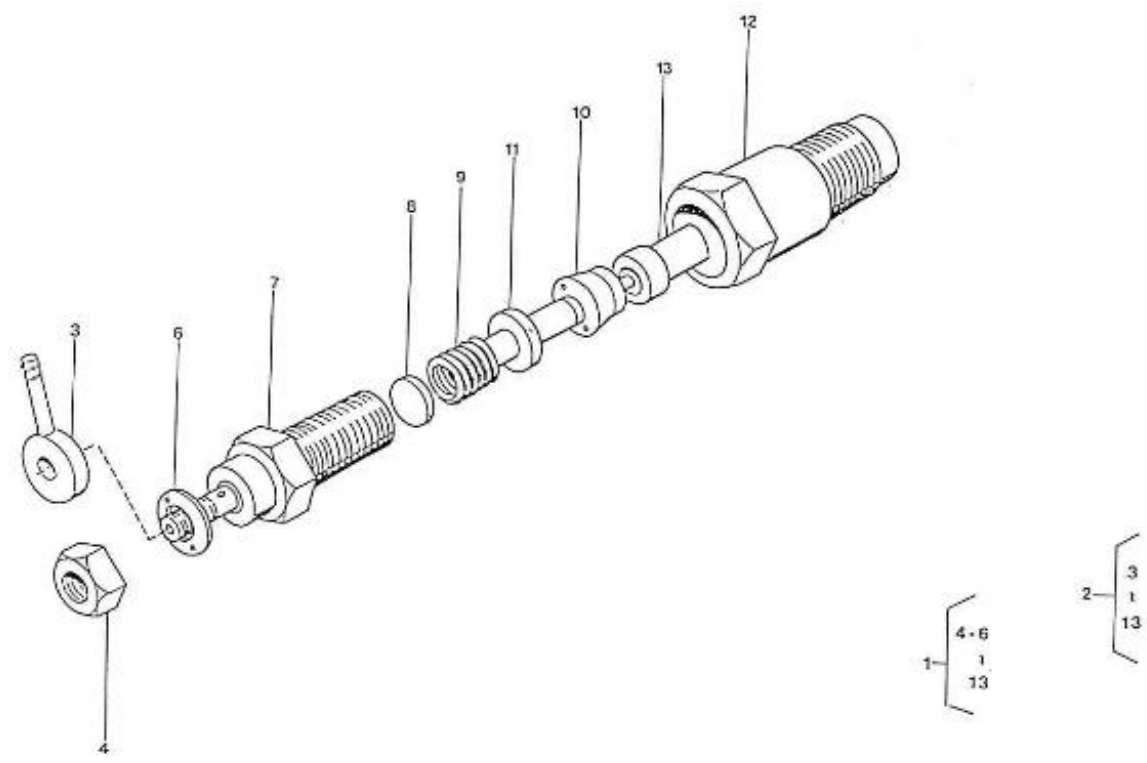
Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Nozzle holder

N.	Item	Description	Qty	Notes
1	970152108	INJECTOR,CPL.	3	
2	970492107	INJECTOR,CPL.SINGLE	1	
3	970492155	FITTING,NOZZLE SINGLE	1	
4	970492153	NUT,NOZZLE INJ.	4	
6	970492172	WASHER,NOZZLE INJ.	4	
8	970142200	SET,SPACER NOZZLE	4	
9	970492143	SPRING,NOZZLE INJ.	4	
10	970492144	PIECE,DISTANCE NOZZLE INJ.	4	
11	970492145	ROD,PUSH NOZZLE INJ.	4	
12	970492173	NUT,NOZZLE INJ.	4	
13	970492113	NOZZLE,INJECTOR	4	



V. 28/03/2006

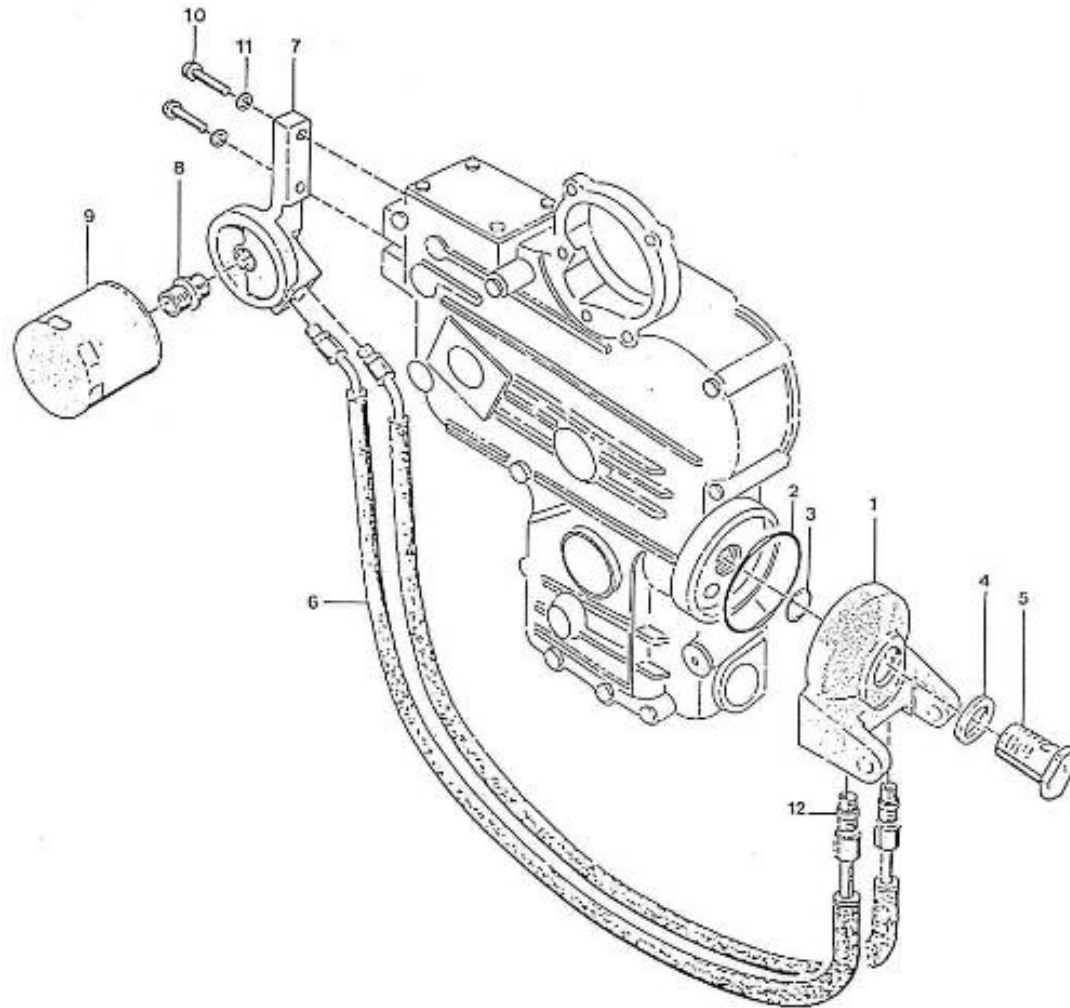
Pag. 20/55

Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Oil filter Assy

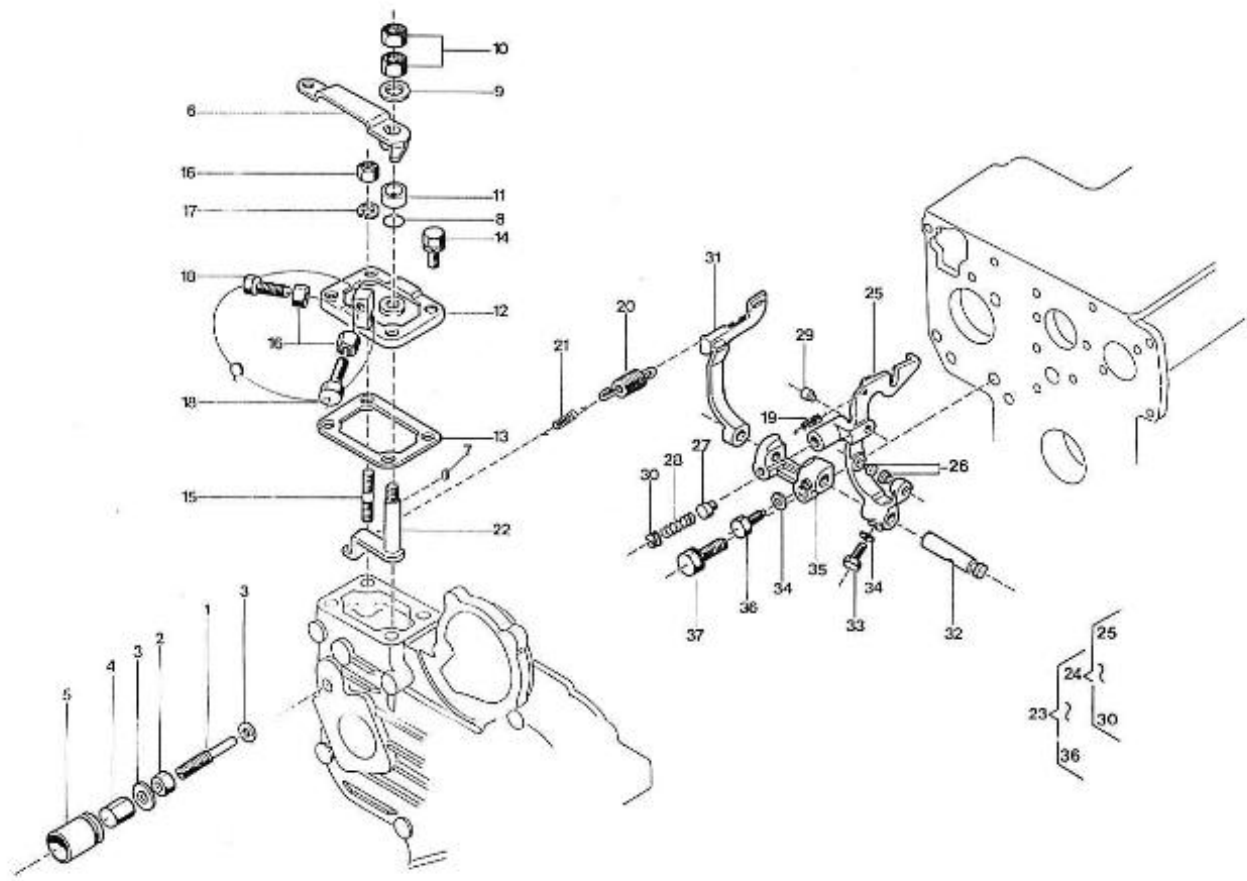


N.	Item	Description	Qty	Notes
1	970300246	SUPPORT,ALTERNATOR HE	1	
2	970493155	O-RING,61,91X3,53	1	
3	970300252	O-RING,18,77X1,78	1	
4	970300251	WASHER,30X19	1	
5	970300248	BOLT,BANJO M18X1,5	1	
6	970300253	HOSE,OIL-HE	2	
7	970300249	SUPPORT,OIL FILTER HE	1	
8	970493157	NIPPLE,OIL FILTER	1	
9	970493150	FILTER,OIL	1	
10	970635916	BOLT,SOCK M 8X 35	2	
11	970119139	WASHER,CORRUGATED D8	2	
12	970300718	NIPPLE,REDUCING M16X1,5 M14X1,	4	

V. 28/03/2006

Pag. 21/55

Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.110HE	1	970830123	STRAP	1	
Version: Standard	2	970830124	JOINT	1	
Subassembly: Drive speed control	3	970832060	BRACKET	1	
	4	970832061	BOLT	1	
	5	970635460	NUT, M 6	1	
	6	970119149	WASHER, SPRING D 6	1	



V. 28/03/2006

Pag. 22/55

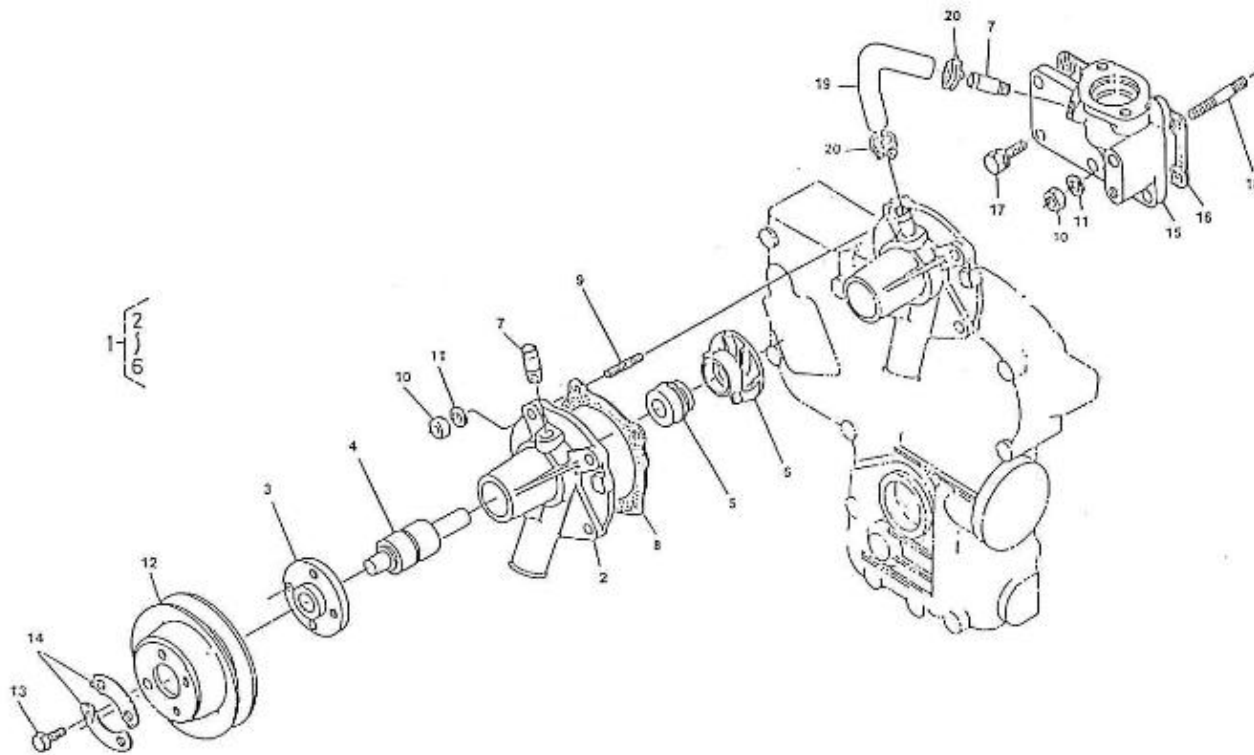
Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Fresh water pump

N.	Item	Description	Qty	Notes
1	970154001	PUMP,F/WATER CPL.2. 60-4.110HE	1	
3	970159645	FLANGE,WATER PUMP HE	1	
4	970159640	BEARING,F.WATER PUMP	1	
5	970154002	SEAL,MECHANICAL F/W.PUMP	1	
6	970159642	IMPELLER,F/WATER PUMP -HE-	1	
7	970154003	PIPE,WATER RETURN	2	
8	970159643	GASKET,WATER PUMP 2. 60-3.90-4	1	
9	970154004	STUD,WATER PUMP	4	
10	970151133	NUT,M 6	5	
11	970119149	WASHER, SPRING D 6	5	
12	970154005	PULLEY,WATER PUMP -HE-	1	
13	970140123	BOLT ,M 6X12	4	
14	970154006	WASHER,WATER PUMP PULLEY	2	
15	970154007	HOUSING,THERMOSTAT	1	
16	970494618	GASKET,HOUSING THERMOSTAT	1	
17	970491117	BOLT,M 6X 16	5	
18	970154008	STUD,HOUSING THERMOSTAT	1	
19	970154009	HOSE,WATER RETURN	1	
20	970439306	CLAMP,HOSE 11-17	2	



V. 28/03/2006

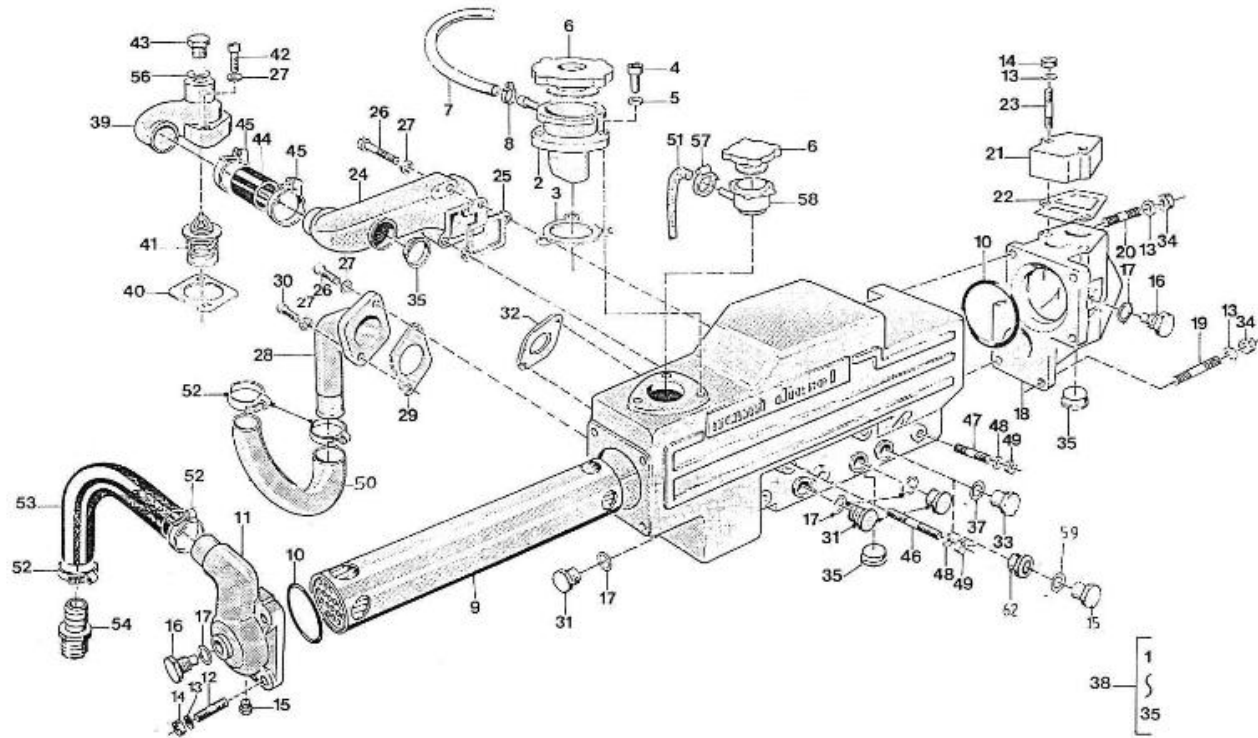
Pag. 23/55

Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Heat exchanger exh. Manifold

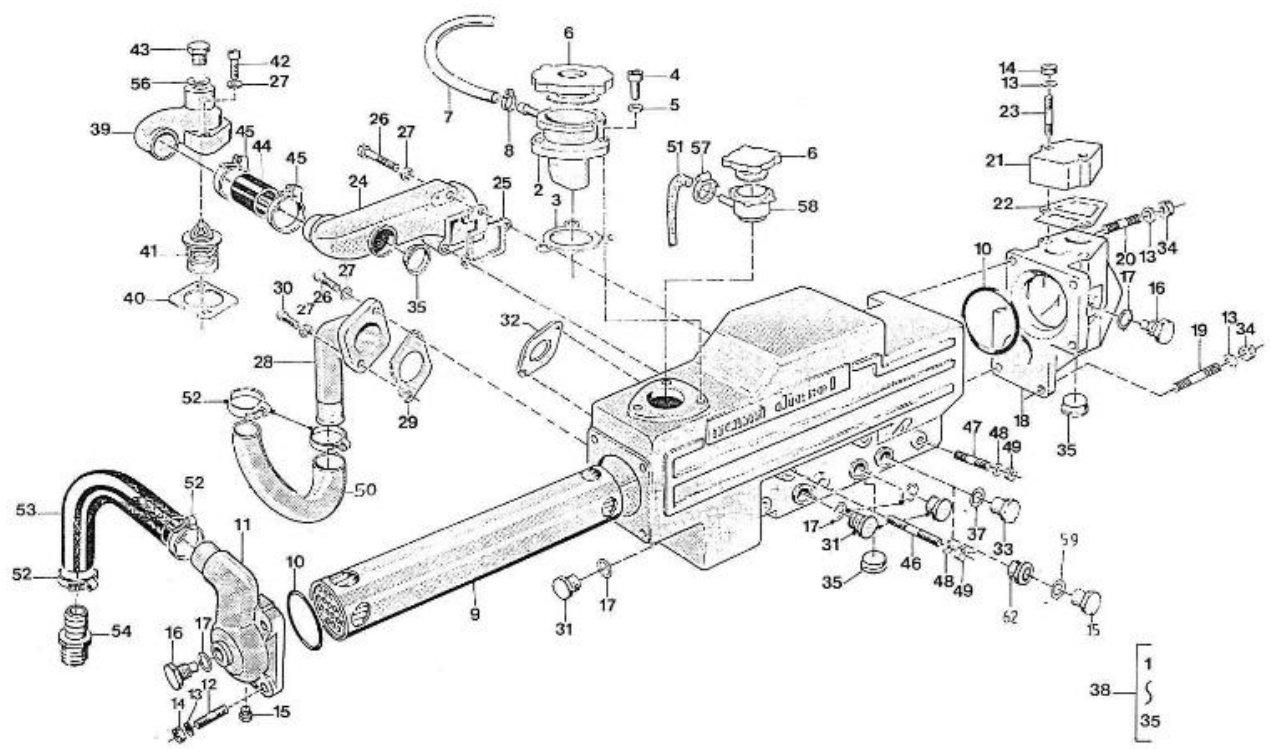


N.	Item	Description	Qty	Notes
1	970300222	BODY	1	
2	970604612	FLANGE,FILLING NECK CPL.	1	
3	970604613	GASKET,FILLINGNECK	1	
4	970604615	BOLT,SOCK M 6X 20	3	
5	970635459	WASHER,PLAIN D 6	3	
6	970604614	CAP,FILLING 0, 7 DOUBLE SEAL	1	
7	970300077	HOSE,D 8 L= 450	1	
8	970644587	CLAMP,HOSE 12-15	1	
9	970300238	TUBE,STACK 4.110HE	1	
10	970604617	O-RING,59,69X5,34	2	
11	970300224	COVER	1	
12	970300374	STUD,M 8X 30	4	
13	970119139	WASHER,CORRUGATED D8	11	
14	970027322	NUT,M 8	6	
15	970632522	"PLUG,HEX 1/4""G"	2	
16	970494635	ANODE,ZINC CPL M16X1,5	2	
17	970300199	GASKET,RING D16	5	
18	970300228	MIXER,4.110	1	
19	970300374	STUD,M 8X 30	4	
20	970300080	STUD,M 8X 25	1	
21	970604623	CAP,MIXER 2.60-3.90-4.110HE	1	
22	970604622	GASKET,MIXER HE	1	
23	970604624	STUD,M 8X 40	2	
24	970300230	CONNECTION,ELBOW HE	1	
25	970300266	GASKET,FLANGE	1	
26	970634037	BOLT,SOCK M 6X 30	4	
27	970609602	WASHER,CORRUGATED D 6	7	
28	970300234	FLANGE,WATER INTAKE HE	1	
29	970300267	GASKET,FLANGE	1	
30	970154630	BOLT,SOCK M 6X 50	1	
31	970300214	PLUG,HEX M16X1,5	3	
32	970494512	GASKET,EXHAUST MANIFOLD	4	
33	970639853	"PLUG,HEX 3/8""G"	1	
34	970300079	NUT,M 8 SPECIAL	5	
35	970494517	CAP,FREEZE	3	
37	970300289	GASKET,RING D17	1	
38	970300339	HEATEXCHANGER,4.110HE CPL	1	
39	970300232	FLANGE,WATER OUTLET	1	
40	970300062	GASKET,WATER INTAKE HE	1	
41	970300727	THERMOSTAT,71XC	1	
42	970300275	BOLT,HEX M 6X 25	2	
43	970301561	PLUG,HEX M14X1,5	1	
44	970300243	HOSE,D32 L= 35	1	
45	970300922	CLAMP,HOSE 26-38	2	
46	970300273	STUD,M 6X108	4	
47	970300324	STUD,M 6X 90	4	
48	970635459	WASHER,PLAIN D 6	8	
49	970494516	NUT,LOCK M 6	8	
50	970300269	ELBOW,WATERPUMP HE	1	
51	970300077	HOSE,D 8 L= 450	1	
52	970604526	CLAMP,HOSE 22-32	4	
53	970300245	HOSE,D25 L= 350	1	
54	970300257	PILLAR,HOSE	1	
55	970604515	CONNECTION,HOSE HBW-20	1	
56	970300306	GASKET,RING D14	1	

V. 28/03/2006

Pag. 24/55

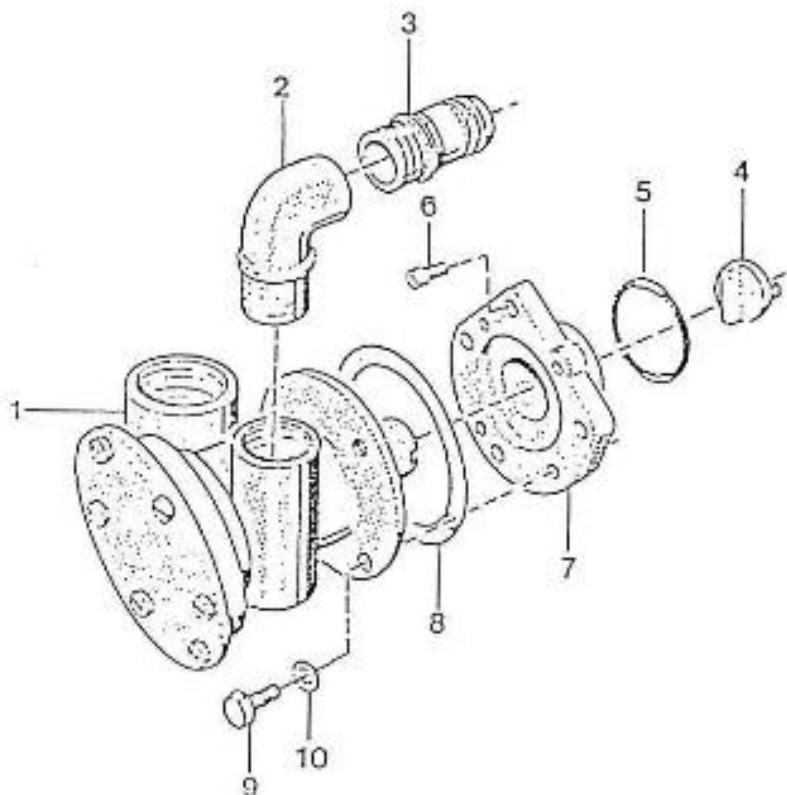
Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.110HE	57	970439306	CLAMP,HOSE 11-17	1	
Version: Standard	58	970300834	FILLING,NECK WATER	1	
Subassembly: Heat exchanger exh. Manifold	59	970307197	GASKET	1	
	60	970300320	FLANGE,SYPHONBREAK	1	
	61	970300319	+++ PLUS DIFFUSE ++++++ KIT SYPHON	1	
	62	970307136	NIPPLE	1	



V. 28/03/2006

Pag. 25/55

Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.110HE	1	970614510	PUMP,WATER F5B 9003	1	
Version: Standard	2	970604514	ELBOW,3/4	1	
Subassembly: Seawater pump Ass	3	970604515	CONNECTION,HOSE HBW-20	1	
	4	970300256	COUPLING,WATER PUMP 4.110HE	1	
	5	970154025	O-RING,28,17X3,53	1	
	6	970604615	BOLT,SOCK M 6X 20	4	
	7	970300254	FLANGE,WATER PUMP 4.110HE	1	
	8	970614511	GASKET,WATER PUMP F5B-9	1	
	9	970439910	BOLT,HEX M 6X 16	4	
	10	970609602	WASHER,CORRUGATED D 6	4	

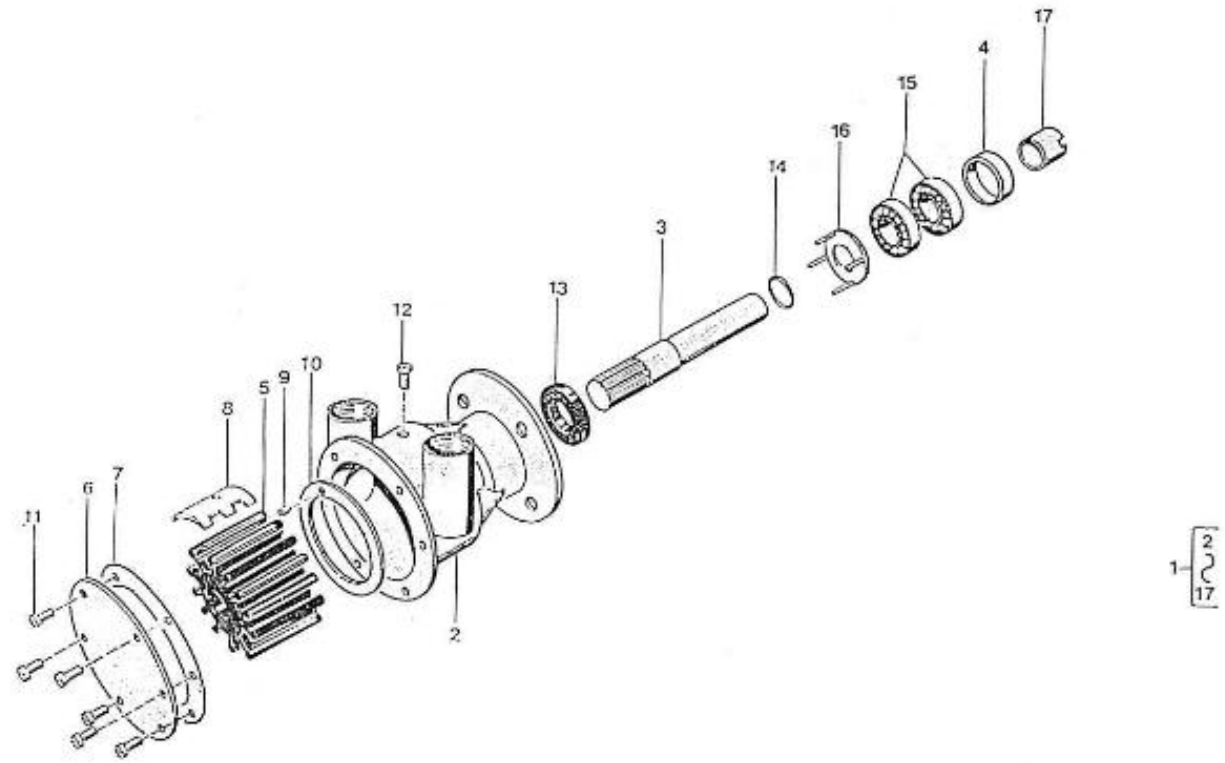


V. 28/03/2006

Pag. 26/55

Brand: NanniDiesel
Model: Moteur 4.110HE
Version: Standard
Subassembly: Sea water pump

N.	Item	Description	Qty	Notes
1	970614510	PUMP,WATER F5B 9003	1	
2	970303670	HOUSING,WATER PUMP F5B-9000	1	
3	970303671	SHAFT,WATER PUMP F5B-9000	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	970303681	COUPLING,WATER PUMP F5B-9000	1	

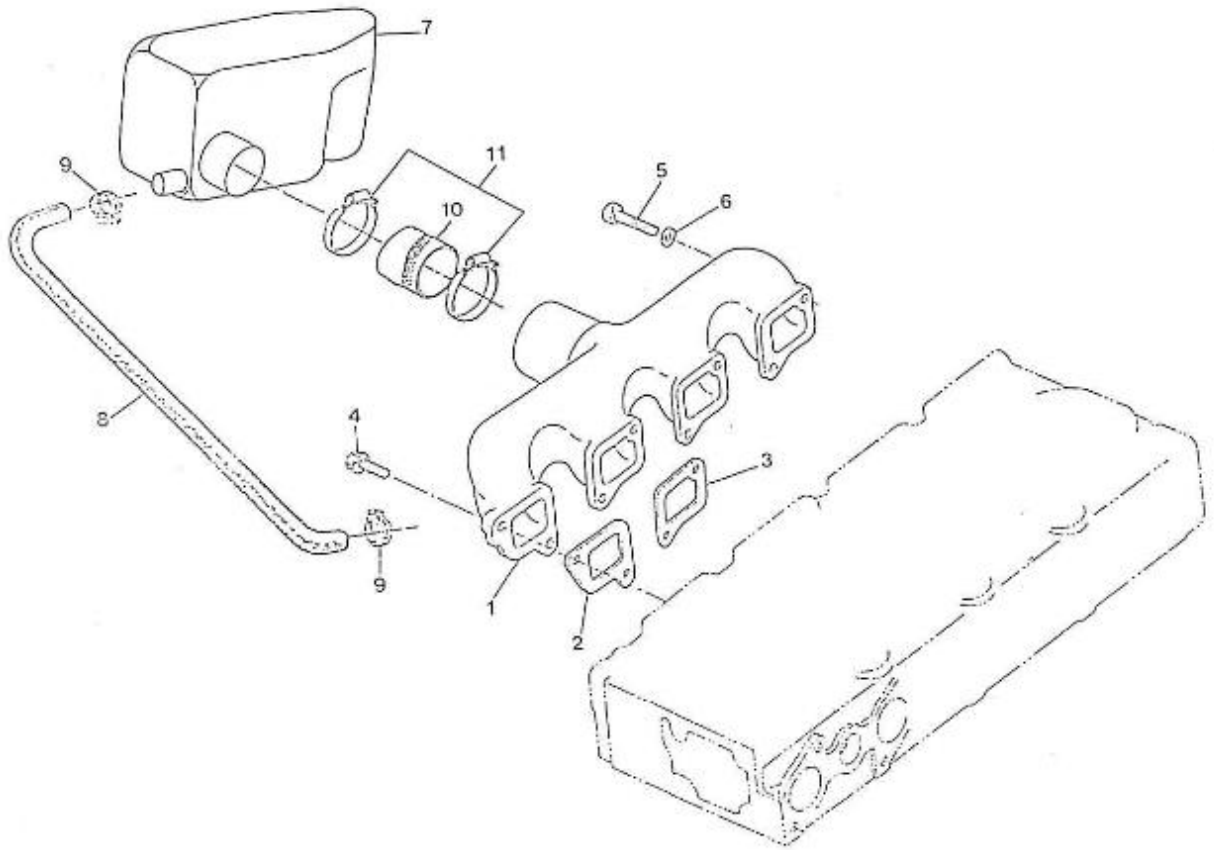


V. 28/03/2006

Pag. 27/55

Brand: NanniDiesel
 Model: Moteur 4.110HE
 Version: Standard
 Subassembly: Intake manifold

N.	Item	Description	Qty	Notes
1	970515101	MANIFOLD,INTAKE 4.110	1	
2	970495102	GASKET,INTAKE MANIFOLD N01 H-H	1	
3	970495103	GASKET,INTAKE MANIFOLD N02 H-H	3	
4	970491536	BOLT,M 6X 20	5	
5	970515105	BOLT,M 6X 45	3	
6	970119149	WASHER, SPRING D 6	12	
7	970301330	FILTER,AIR HE	1	
8	970496045	HOSE,CARTER DEAIR	1	
9	970439306	CLAMP,HOSE 11-17	2	
10	970301612	HOSE,AIR FILTER 3. 90-4.110/HE	1	
11	970634621	CLAMP,HOSE 44-56	2	



V. 28/03/2006

Pag. 28/55

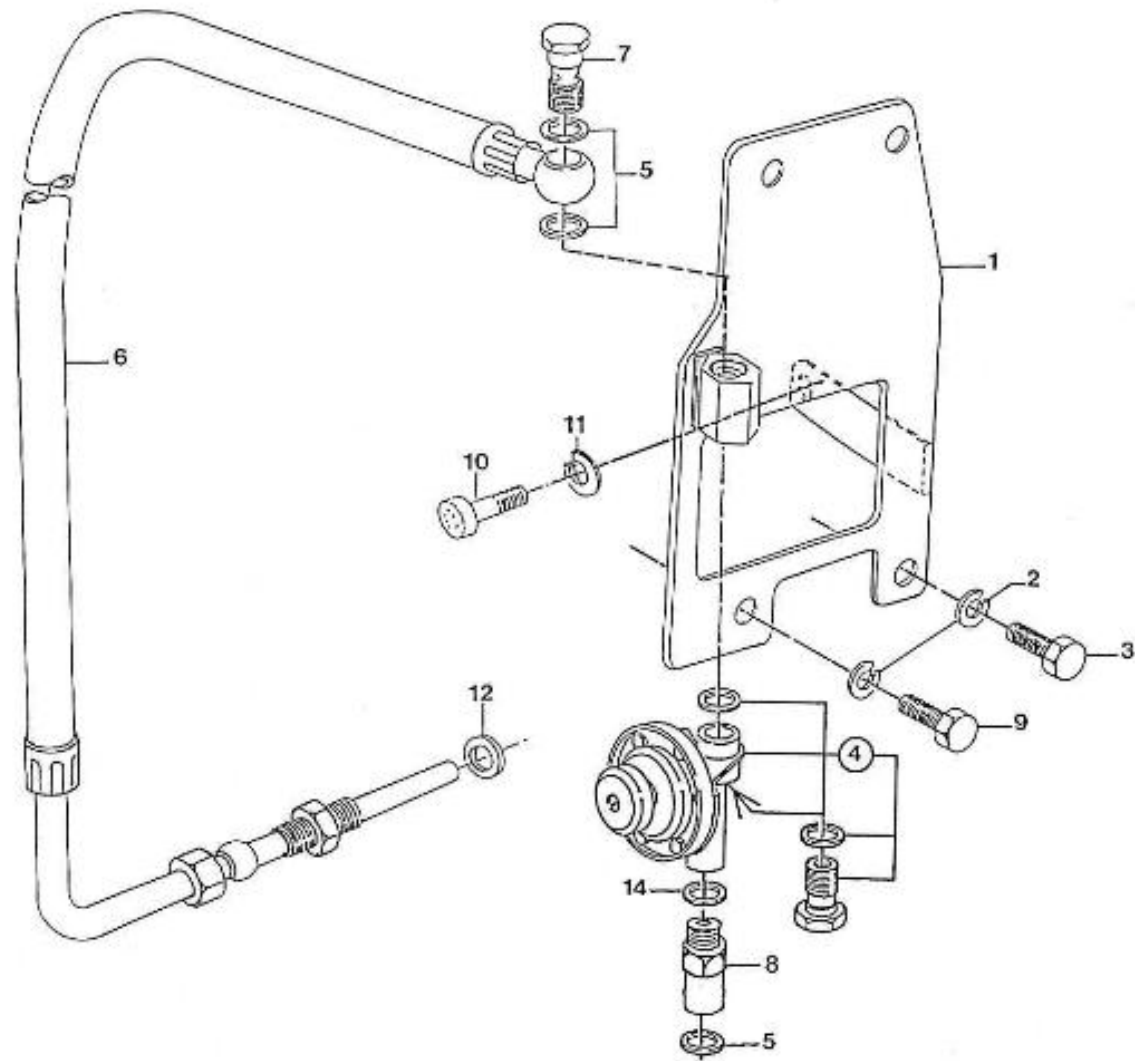
Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Oil extraction pump

N.	Item	Description	Qty	Notes
1	970307094	SUPPORT	1	
2	970119149	WASHER, SPRING D 6	2	
3	970497323	BOLT, HEX M 6X 80	1	
4	970301416	PUMP, OIL EXTRACTION	1	
5	970300306	GASKET, RING D14	4	
6	970302492	PIPE, OIL EXTRACTION CPL.4.110H	1	
7	970432515	BOLT, BANJO M14X1,5	2	
8	970300797	CONNECTION, BANJO D=8/M14	1	
9	970302213	BOLT, HEX M 6X 70	1	
10	970639903	BOLT, HEX M 8X 16	1	
11	970119138	WASHER, SPRING D 8	1	
12	970300325	RING, SEAL D12	1	
13	970574514	BOLT, HEX M10X 16	1	
14	970300306	GASKET, RING D14	2	



V. 28/03/2006

Pag. 29/55

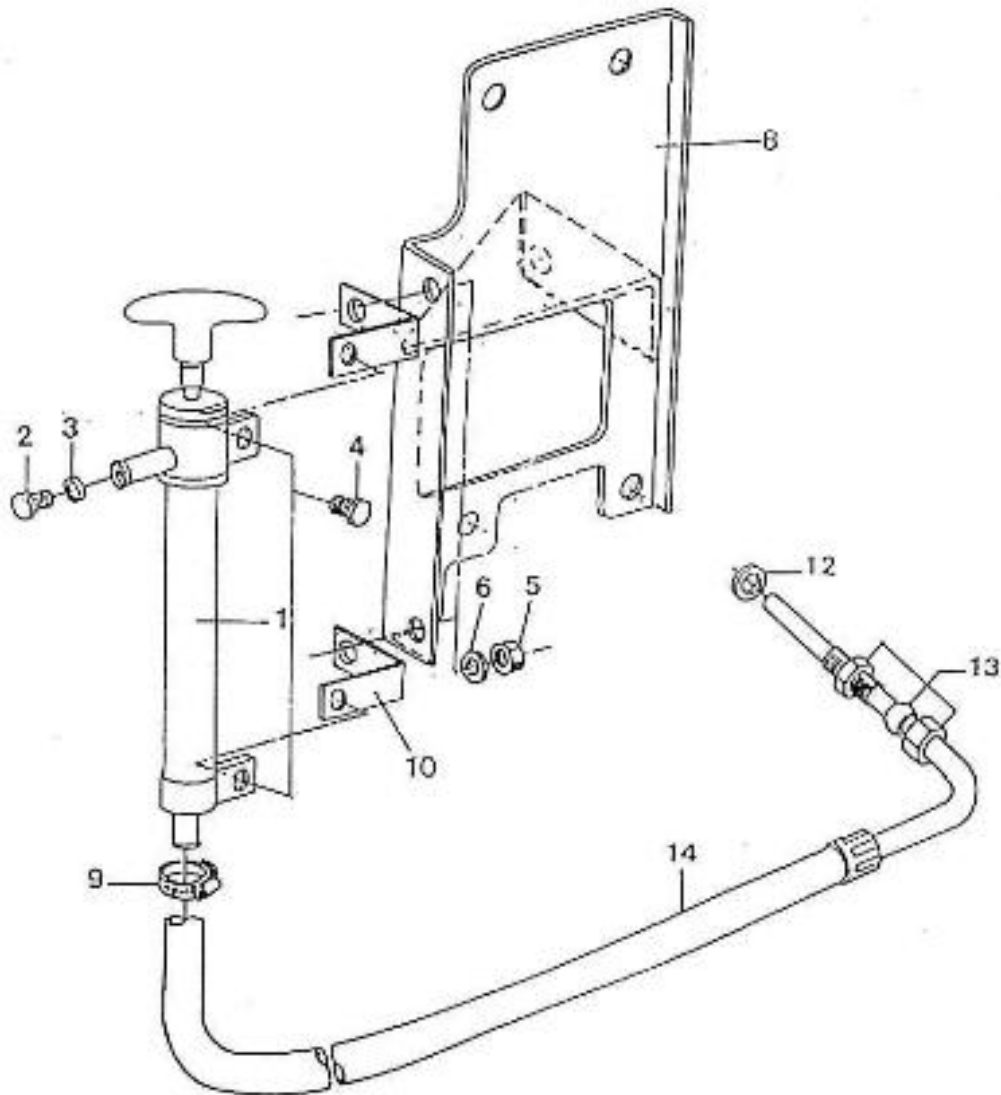
Brand: NanniDiesel

Model: Moteur 4.110HE

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	1	
4	970439910	BOLT,HEX M 6X 16	4	
5	970635460	NUT,M 6	4	
6	970119149	WASHER, SPRING D 6	4	
8	970304076	SUPPORT,FUEL FILTER ELEMENT H-	1	
9	970439306	CLAMP,HOSE 11-17	1	
10	970302642	SUPPORT,OIL EXTRACTION PUMP S5	2	
12	970300325	RING,SEAL D12	1	
13	970302316	NIPPLE,REDUCING M12X1,25 D 8	1	
14	970307158	PIPE	1	
15	970302317	NUT,CAP D=8 M14X1,5	1	
16	970302318	RING,SEAL D=8	1	



V. 28/03/2006

Pag. 30/55

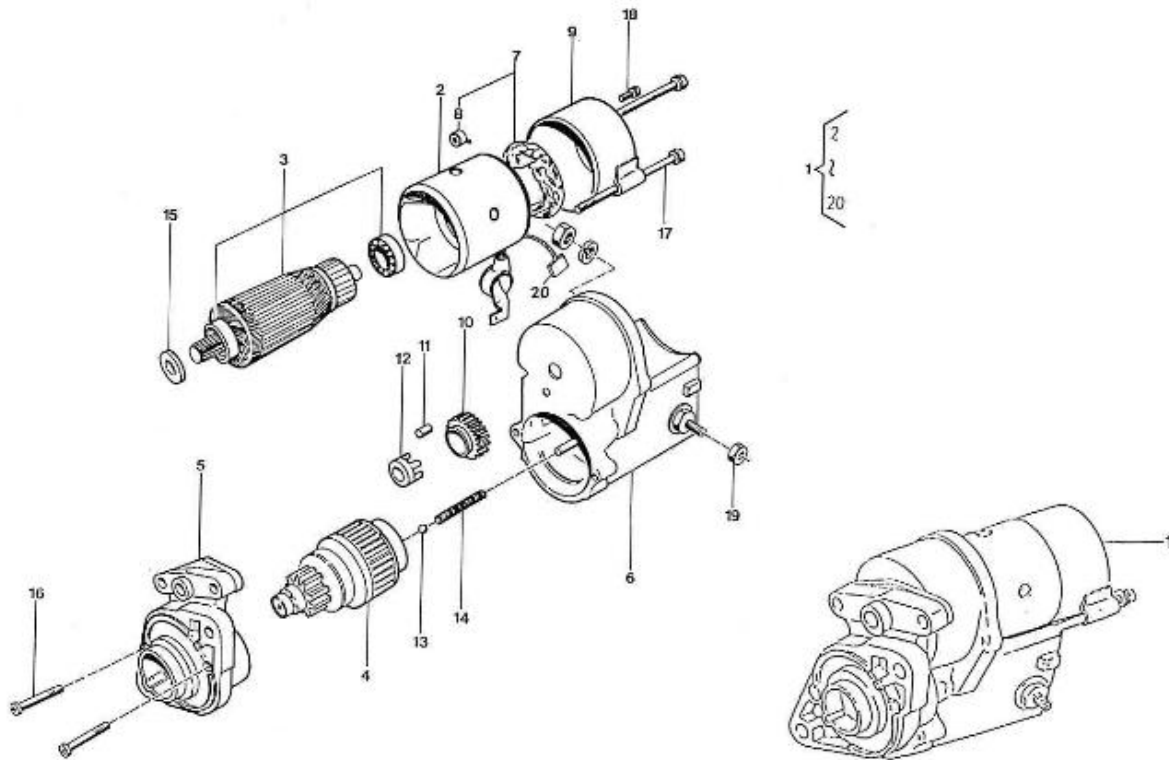
Brand: NanniDiesel

Model: Moteur 4.110HE

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. 28/03/2006

Pag. 31/55

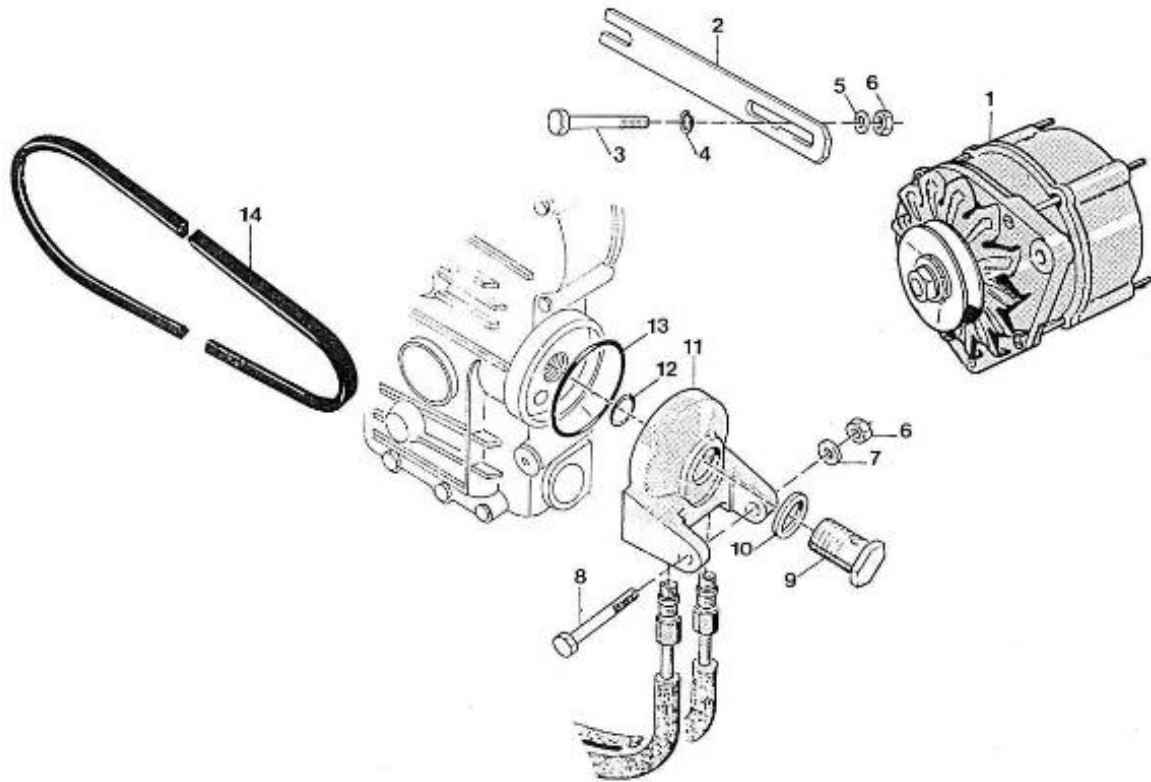
Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Alternator Assy.Std.

N.	Item	Description	Qty	Notes
1	970437500	ALTERNATOR,14V-55A MOTOROLA	1	
2	970300286	TENSIONER	1	
3	970409603	BOLT,HEX M 8X 25	1	
4	970119139	WASHER,CORRUGATED D8	2	
5	970119138	WASHER,SPRING D 8	1	
6	970027322	NUT,M 8	3	
7	970119138	WASHER,SPRING D 8	2	
8	970300474	BOLT,HEX M 8X 85 SPECIAL	1	
9	970300248	BOLT,BANJO M18X1,5	1	
10	970300251	WASHER,30X19	1	
11	970300246	SUPPORT,ALTERNATOR HE	1	
12	970300252	O-RING,18,77X1,78	1	
13	970493155	O-RING,61,91X3,53	1	
14	970300706	V-BELT,SPZ 950 LW	1	
15	970300193	BOLT,HEX M 8X 70	1	

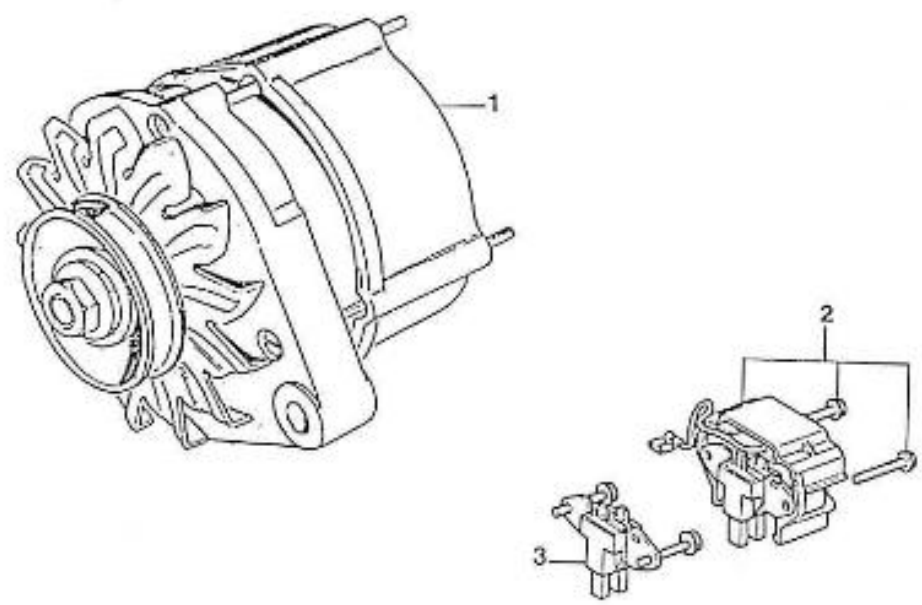


V. 28/03/2006

Pag. 32/55

Brand: NanniDiesel
Model: Moteur 4.110HE
Version: Standard
Subassembly: Alternator spare parts

N.	Item	Description	Qty	Notes
1	970437500	ALTERNATOR,14V-55A MOTOROLA	1	
2	970301763	REGULATOR,ALTERNATOR 14V-55A	1	
3	970301698	HOLDER,CARBON BRUSH 14/28V-45/	1	



V. 28/03/2006

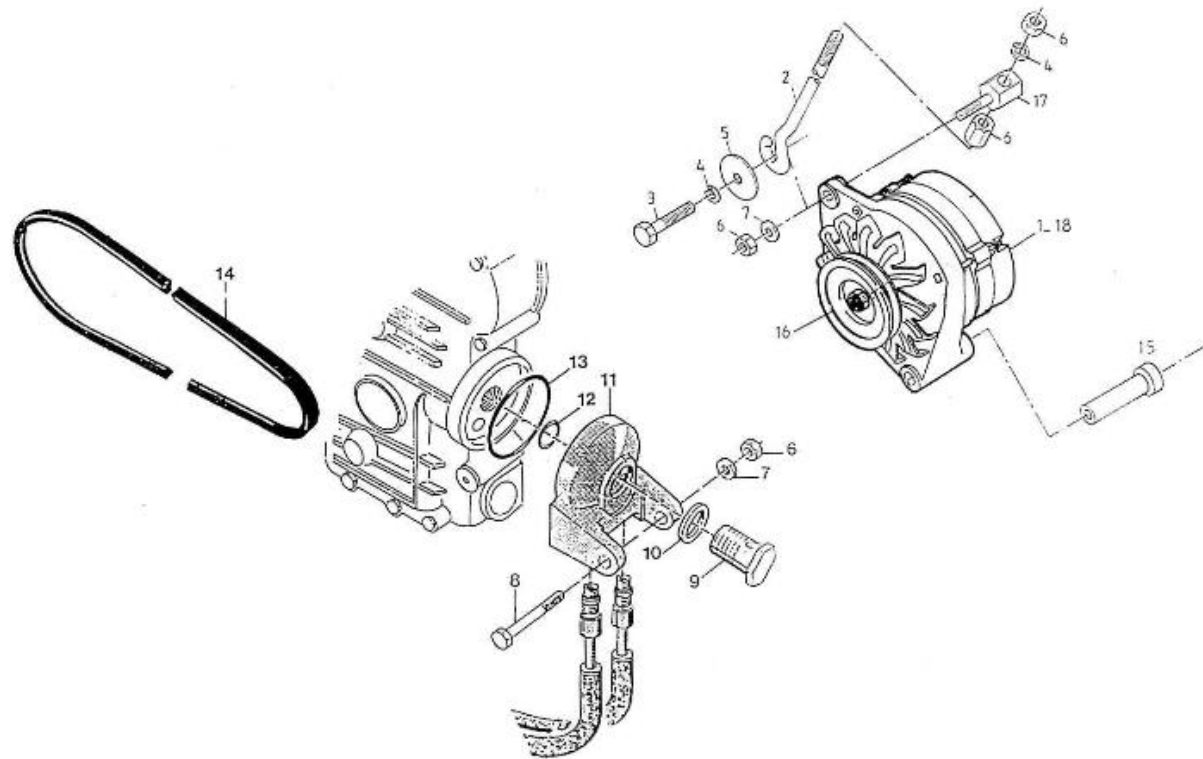
Pag. 33/55

Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Alternator Assy STD

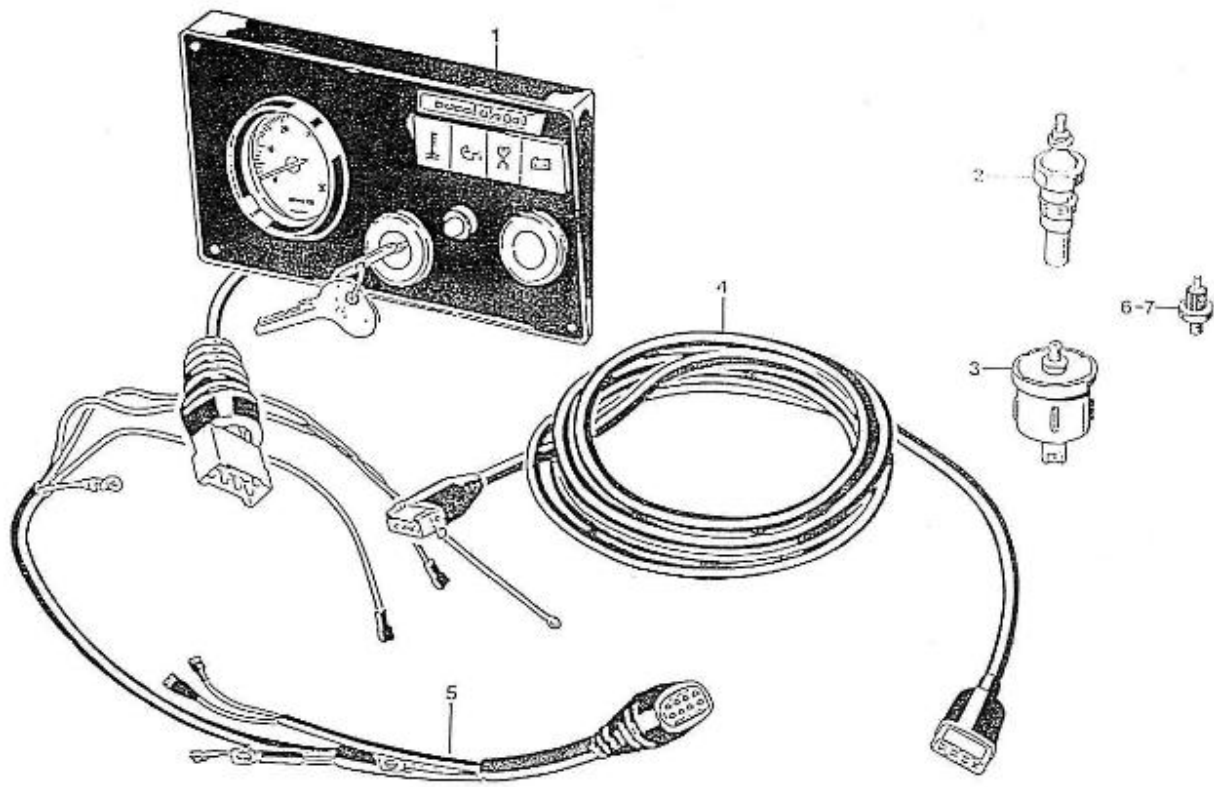


N.	Item	Description	Qty	Notes
1	970307522	ALTERNATOR,14V-60A	1	
2	970307493	TIGHTENER,V-BELT	1	
3	970300409	BOLT,HEX M 8X 55	1	
4	970119139	WASHER,CORRUGATED D8	2	
5	970304050	WASHER	1	
6	970027322	NUT,M 8	4	
7	970119138	WASHER,SPRING D 8	2	
8	970300474	BOLT,HEX M 8X 85 SPECIAL	1	
9	970300248	BOLT,BANJO M18X1,5	1	
10	970300251	WASHER,30X19	1	
11	970300246	SUPPORT,ALTERNATOR HE	1	
12	970300252	O-RING,18,77X1,78	1	
13	970493155	O-RING,61,91X3,53	1	
14	970300706	V-BELT,SPZ 950 LW	1	
15	970307061	AXLE	1	
16	970307194	PULLEY	1	
17	970307491	SUPPORT,TIGHTNER V-BELT	1	
18	970307533	REGULATOR,ALTERNATOR	1	

V. 28/03/2006

Pag. 34/55

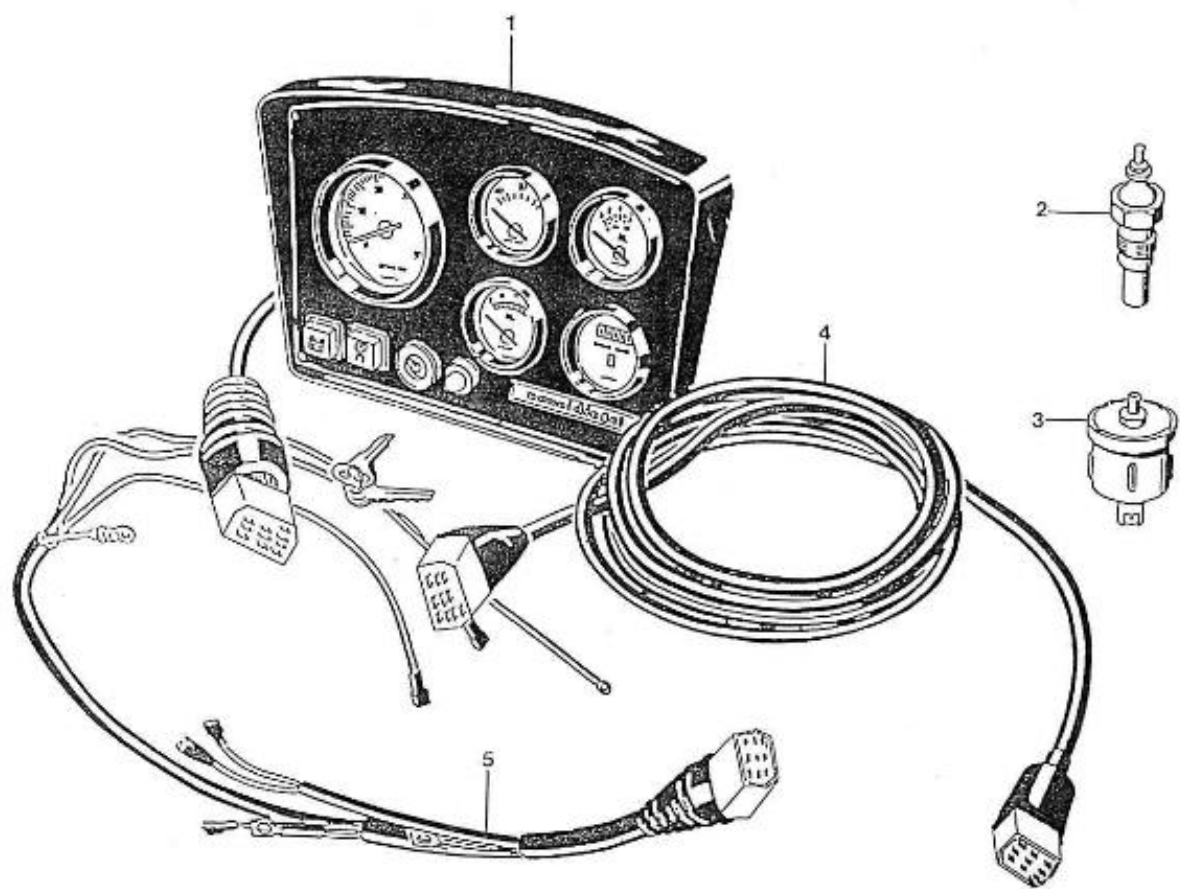
Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.110HE	1	970856000	PANEL	1	
Version: Standard	2	970861602	WATER TEMPERATURE SENDER	1	
Subassembly: Instruments panel STD	3	970861704	OIL PRESSURE SENDER 10B	1	
	4	970851402	NO LONGER AVAILABLE	1	
	5	970301376	WIRING,ENGINE HE	1	
	6	970851725	TEMPERATURE SENDER	1	
	7	970851603	WATER TEMPERATURE SENDER	1	



V. 28/03/2006

Pag. 35/55

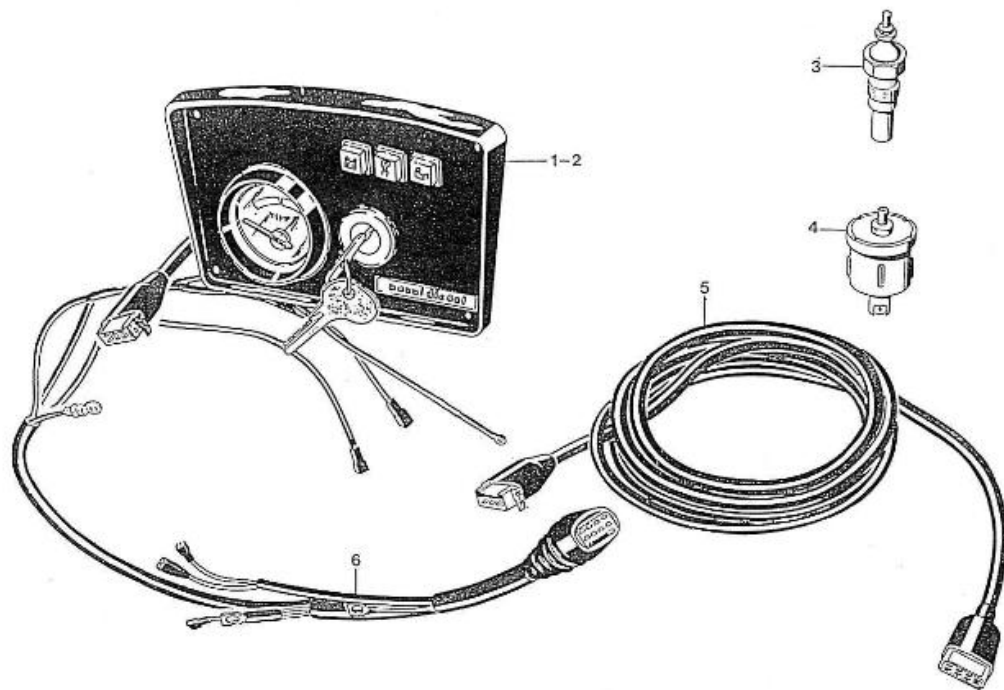
Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.110HE	1	970300420	PANEL,5 INSTRUMENTS 12V CPL	1	
Version: Standard	2	970861602	WATER TEMPERATURE SENDER	1	
Subassembly: Instrument panel LXP	3	970861704	OIL PRESSURE SENDER 10B	1	
	4	970851405	WIRING,INTERMEDIATE (4 MTR)	1	
	5	970851515	WIRING	1	



V. 28/03/2006

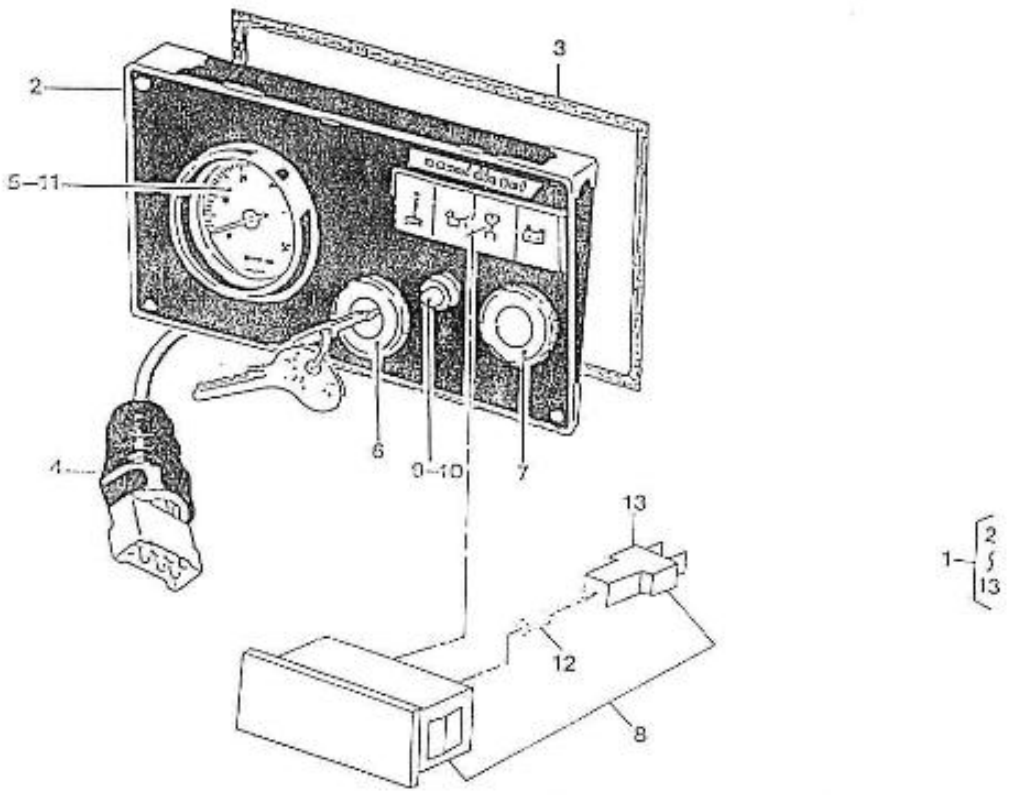
Pag. 36/55

Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.110HE	1	970300357	PANEL,1 INSTRUMENT 120X CPL	1	
Version: Standard	2	970300045	PANEL,1 INSTRUMENT 120X CPL	1	
Subassembly: Instrument panel	3	970861602	WATER TEMPERATURE SENDER	1	
	4	970861704	OIL PRESSURE SENDER 10B	1	
	5	970851402	NO LONGER AVAILABLE	1	
	6	970851515	WIRING	1	



Brand: NanniDiesel
Model: Moteur 4.110HE
Version: Standard
Subassembly: Instrument panel STD

N.	Item	Description	Qty	Notes
1	970856000	PANEL	1	
2	970856009	+++ PLUS DIFFUSE ++++++ TABLEAU NU	1	
3	970856010	+++ PLUS DIFFUSE ++++++ JOINT	1	
4	970856002	+++ PLUS DIFFUSE ++++++ CABLAGE TABLEAU	1	
5	970856001	REVOLUTION COUNTER	1	
6	970850404	SWITCH STARTER	1	
7	970856004	BUZZER	1	
8	970856005	LIGTH WARNING	1	
9	970856006	FUSE	1	
10	970856007	SOCKET	1	
11	970856008	+++ PLUS DIFFUSE ++++++ AMPOULE 12V 3 AMP.	1	
12	970856011	BULB 12V-2W	4	
13	970856005	LIGTH WARNING	1	

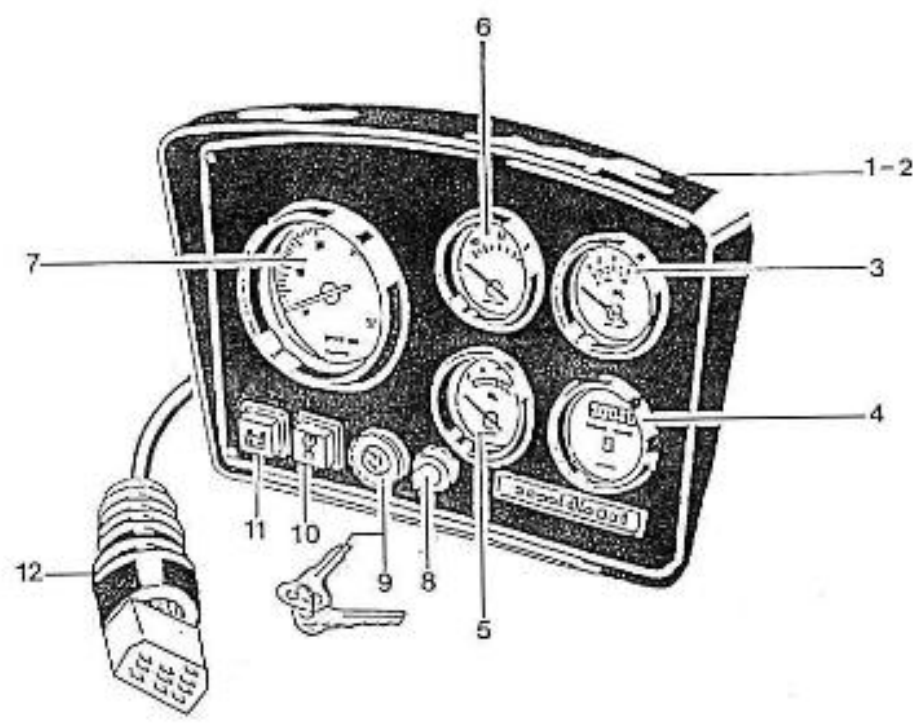


V. 28/03/2006

Pag. 38/55

Brand: NanniDiesel
 Model: Moteur 4.110HE
 Version: Standard
 Subassembly: Instrument panel LXP

N.	Item	Description	Qty	Notes
1	970300420	PANEL,5 INSTRUMENTS 12V CPL	1	
2	970850309	PLATE,PANEL	1	
3	970300427	GAUGE,YAZ,PRES,0- 6B,12V,D 52	1	
4	970861101	GAUGE HOUR 12V	1	
5	970860801	VOLTMETER	1	
6	970860606	+++ PLUS DIFFUSE ++++++ THERMOMETRE EAU	1	
7	970861014	REVOLUTION COUNTER	1	
8	970300967	BUTTON,PUSH	1	
9	970850404	SWITCH STARTER	1	
10	970850572	+++ PLUS DIFFUSE ++++++ VOYANT COMPLET	1	
11	970850570	WARNING LIGHT	1	
12	970851305	+++ PLUS DIFFUSE ++++++ TABLEAU DE BORD	1	

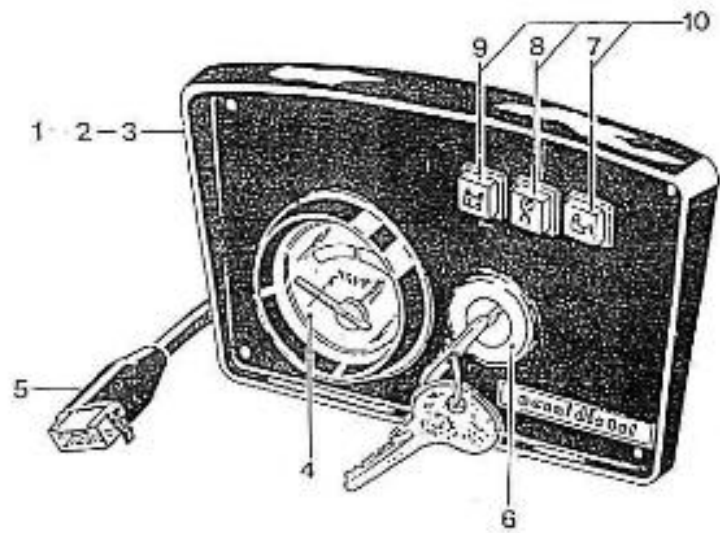


V. 28/03/2006

Pag. 39/55

Brand: NanniDiesel
Model: Moteur 4.110HE
Version: Standard
Subassembly: Instrument panel

N.	Item	Description	Qty	Notes
1	970300357	PANEL,1 INSTRUMENT 120X CPL	1	
2	970300045	PANEL,1 INSTRUMENT 120X CPL	1	
3	970850308	PLATE,PANEL	1	
4	970860603	NO LONGER AVAILABLE	1	
5	970851302	ELECTRICAL WIRING CONNEXOIN	1	
6	970850404	SWITCH STARTER	1	
7	970850571	WARNING LIGHT	1	
8	970850572	+++ PLUS DIFFUSE ++++++ VOYANT COMPLET	1	
9	970850570	WARNING LIGHT	1	
10	970850578	BULB 12V	3	



V. 28/03/2006

Pag. 40/55

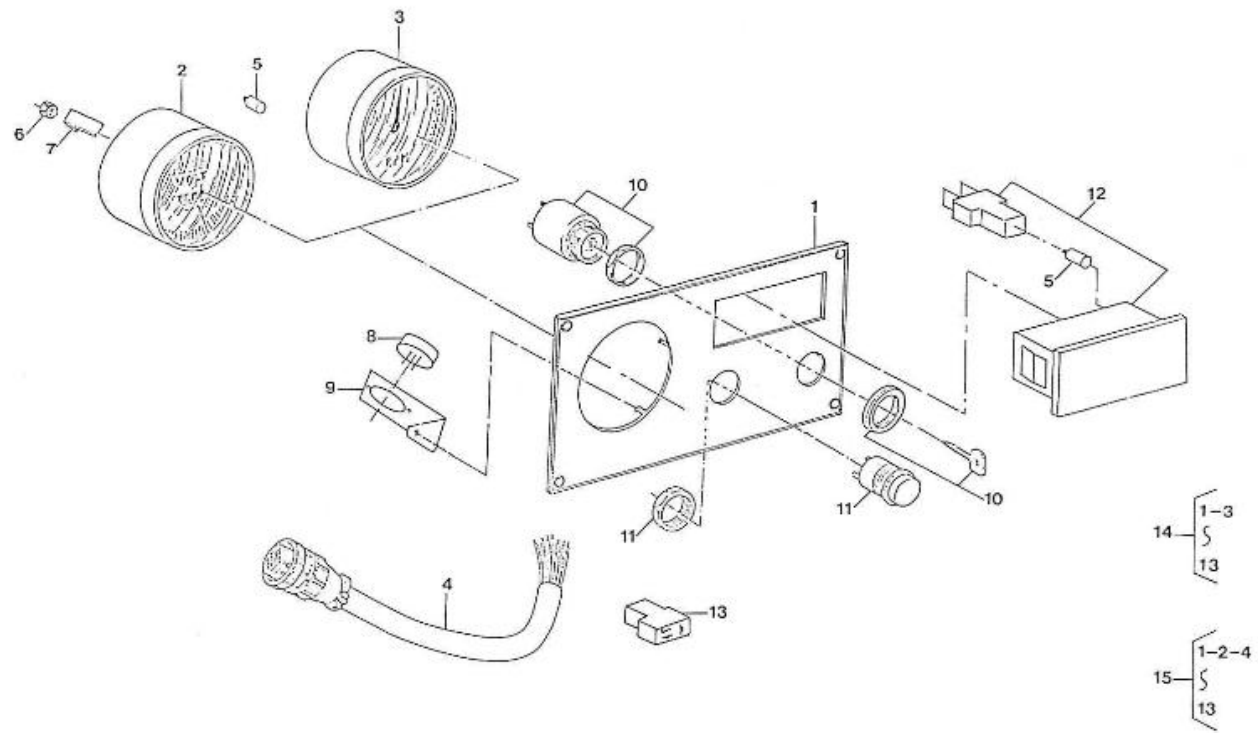
Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Instrument panel STD

N.	Item	Description	Qty	Notes
1	970302214	PLATE,PANEL 1 INSTRUMENT	1	
2	970301662	GAUGE,VDO,TEMP/VOLT 40-120,8-1	1	
3	970301642	GAUGE,VDO,TACH,4000 12-24V 2P	1	
4	970302303	WIRING,PANEL 1 INSTRUMENT VDO	1	
5	970856011	BULB 12V-2W	1	
6	970301191	NUT,M 4 A2	4	
7	970300920	CLAMP,INSTRUMENTS	4	
8	970302288	BUZZER,SONITRON SM-2B	1	
9	970302302	+++ PLUS DIFFUSE ++++++ SUPPORT BUZZER	1	
10	970300968	SWITCH,BOSCH,STARTER	1	
11	970300967	BUTTON,PUSH	1	
12	970856005	LIGHT WARNING	1	
13	970301046	DIODE,HOLDER CPL.NEGATIVE -M-	1	
14	970302304	PANEL,1 INSTR.TACHO CPL VDO	1	
15	970302305	PANEL,1 INSTR.TEMP/VOLT CPL VD	1	



V. 28/03/2006

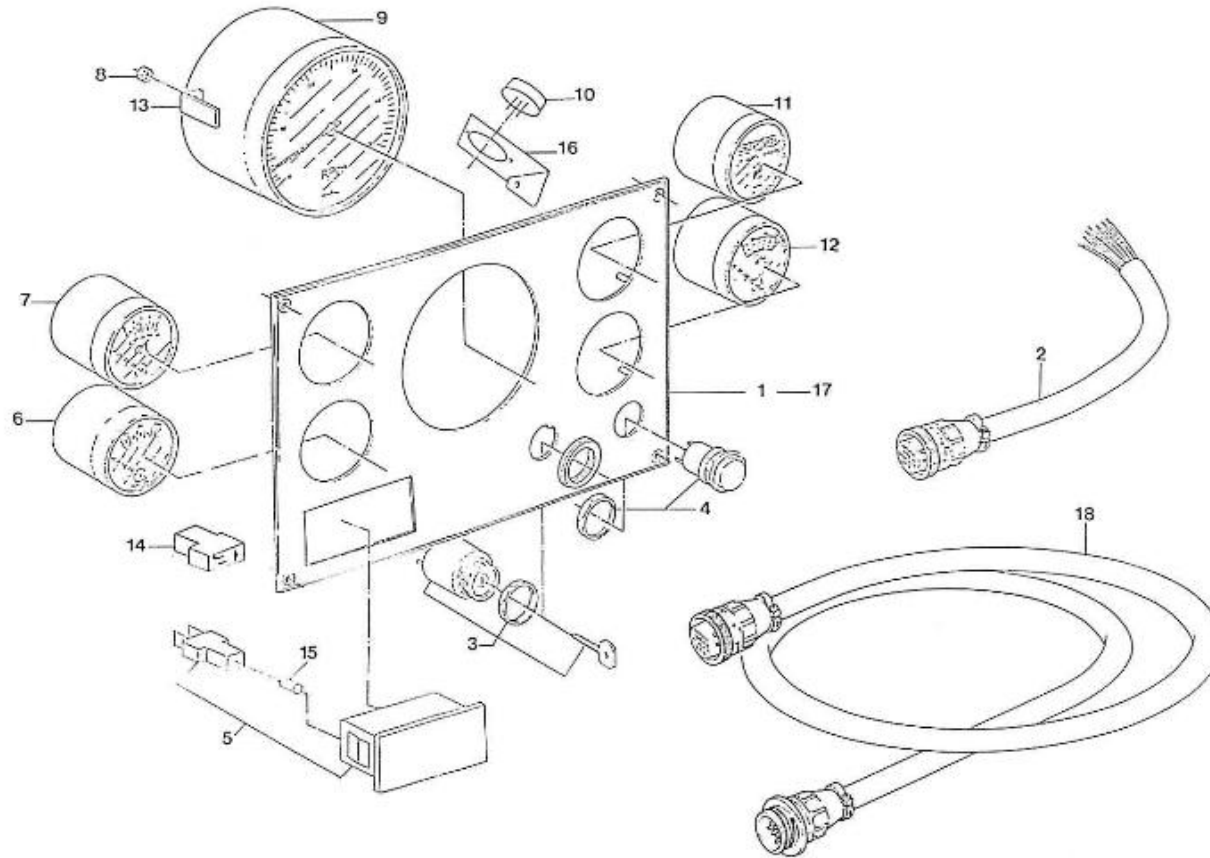
Pag. 41/55

Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Instrument panel LXP



N.	Item	Description	Qty	Notes
1	970300790	PLATE,PANEL 5 INSTRUMENTS VDO	1	
2	970300969	WIRING,PANEL 300941	1	
3	970300968	SWITCH,BOSCH,STARTER	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	970300745	+++ PLUS DIFFUSE ++++++ COMPTE-TOURS	1	
10	970302288	BUZZER,SONITRON SM-2B	1	
11	970300742	GAUGE,VDO,HOUR,2P,D 52	1	
12	970850801	VOLTMETER	1	
13	970300920	CLAMP,INSTRUMENTS	12	
14	970301046	DIODE,HOLDER CPL.NEGATIVE -M-	1	
15	970856011	BULB 12V-2W	4	
16	970302302	+++ PLUS DIFFUSE ++++++ SUPPORT BUZZER	1	
17	970300054	PANEL,5 INSTRUMENTS 12V CPL.VD	1	
18	970300944	WIRING,INTERMEDIATE (4 MTR)	1	

V. 28/03/2006

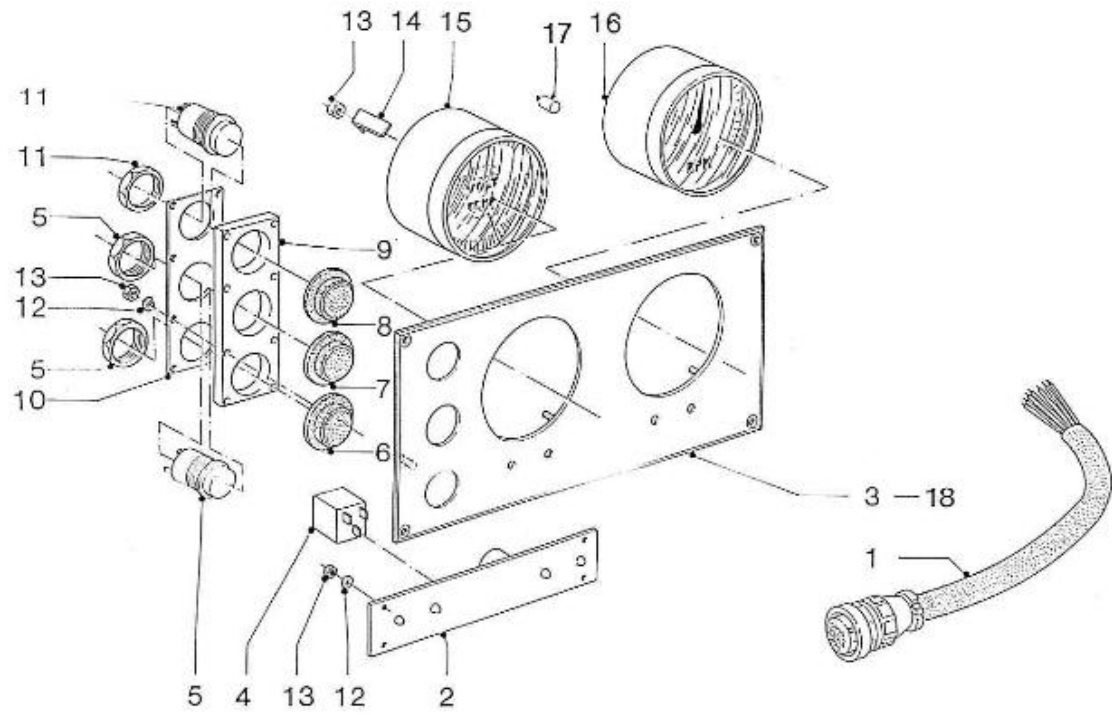
Pag. 42/55

Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Instrument panel



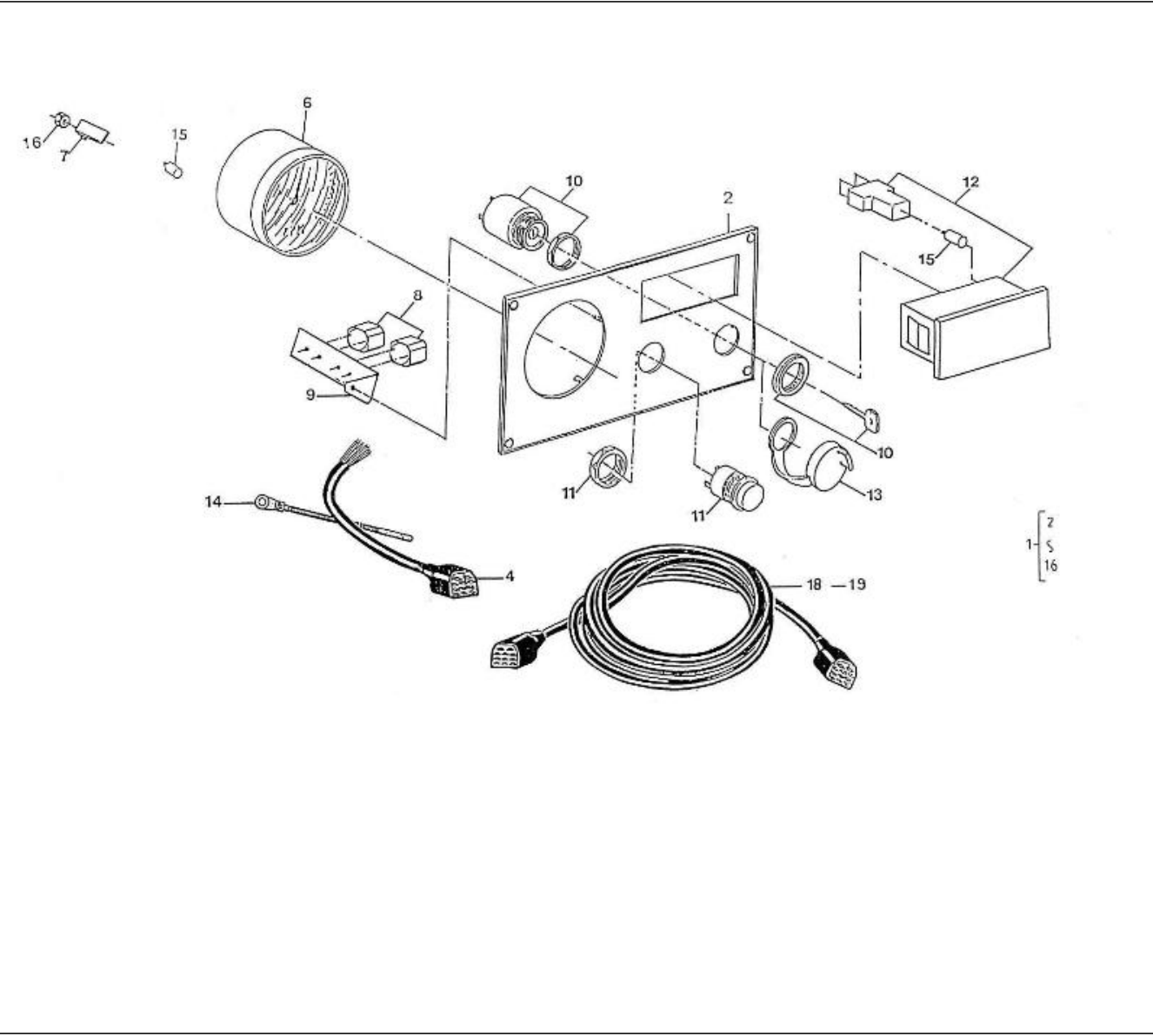
N.	Item	Description	Qty	Notes
1	970301586	+++ PLUS DIFFUSE ++++++ RALLONGE	1	
2	970301712	+++ PLUS DIFFUSE ++++++ CABLAGE	1	
3	970301697	+++ PLUS DIFFUSE ++++++ PLATINE TABLEAU 2	1	
4	970301846	RELAIS,12V-30A	1	
5	970301576	BUTTON,PUSH -STOP/GLOW-	2	
6	970301737	+++ PLUS DIFFUSE ++++++ BOUTON POUSSOIR	1	
7	970301573	+++ PLUS DIFFUSE ++++++ BOUTON POUSSOIR	1	
8	970301574	+++ PLUS DIFFUSE ++++++ BOUTON POUSSOIR	1	
9	970301738	+++ PLUS DIFFUSE ++++++ JOINT DE TABLEAU	1	
10	970301739	+++ PLUS DIFFUSE ++++++ SUPPORT DE	1	
11	970301575	BUTTON,PUSH -START-	1	
12	970301192	WASHER,PLAIN D 4	18	
13	970301191	NUT,M 4 A2	18	
14	970300920	CLAMP,INSTRUMENTS	4	
15	970301662	GAUGE,VDO,TEMP/VOLT 40-120,8-1	1	
16	970301642	GAUGE,VDO,TACH,4000 12-24V 2P	1	
17	970856011	BULB 12V-2W	1	
18	970301550	PANEL,2 INSTRUMENTS 12V CPL VD	1	

V. 28/03/2006

Pag. 43/55

Brand: NanniDiesel
 Model: Moteur 4.110HE
 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	

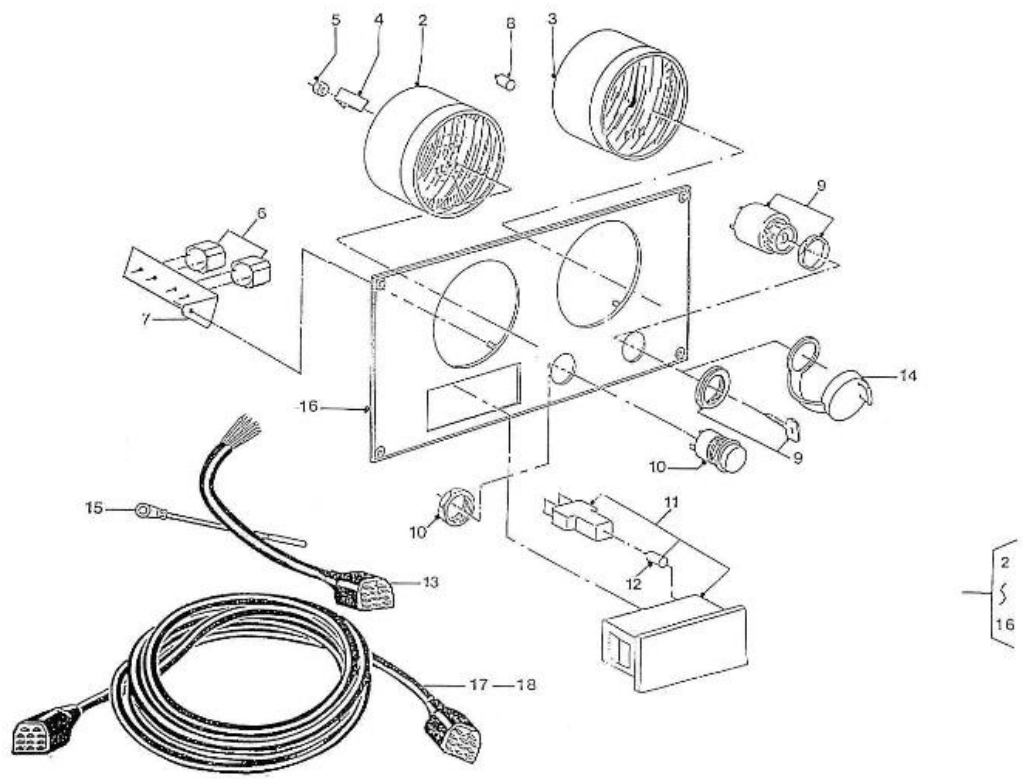


V. 28/03/2006

Pag. 44/55

Brand: NanniDiesel
Model: Moteur 4.110HE
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	LIGTH 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	



V. 28/03/2006

Pag. 45/55

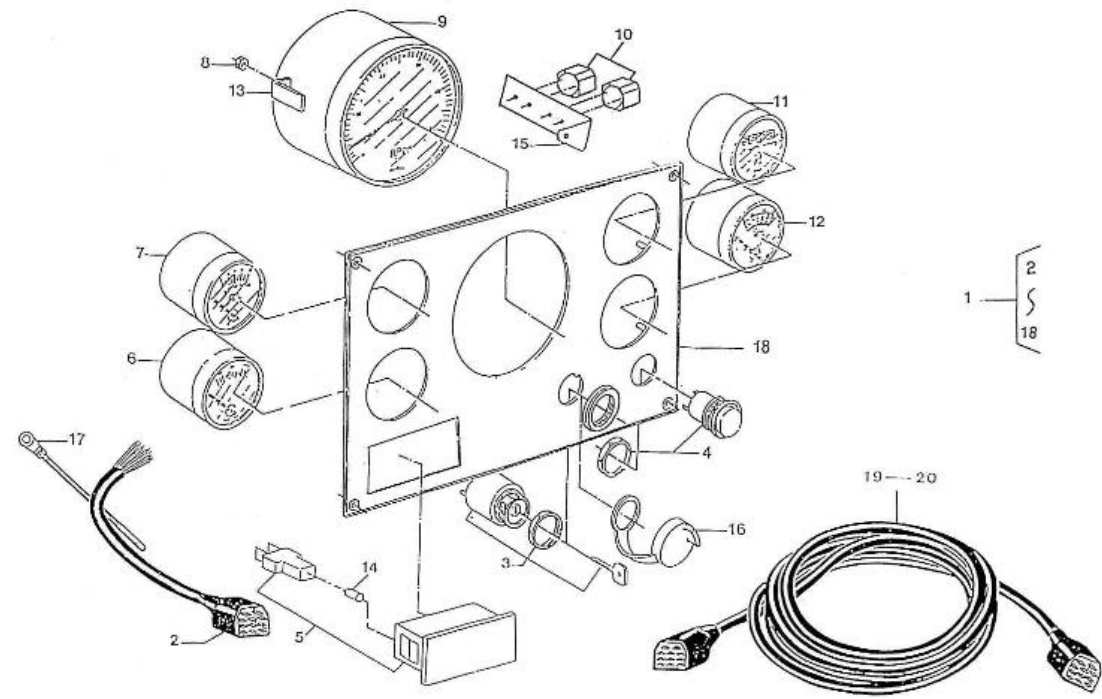
Brand: NanniDiesel

Model: Moteur 4.110HE

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	LIGTH 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	



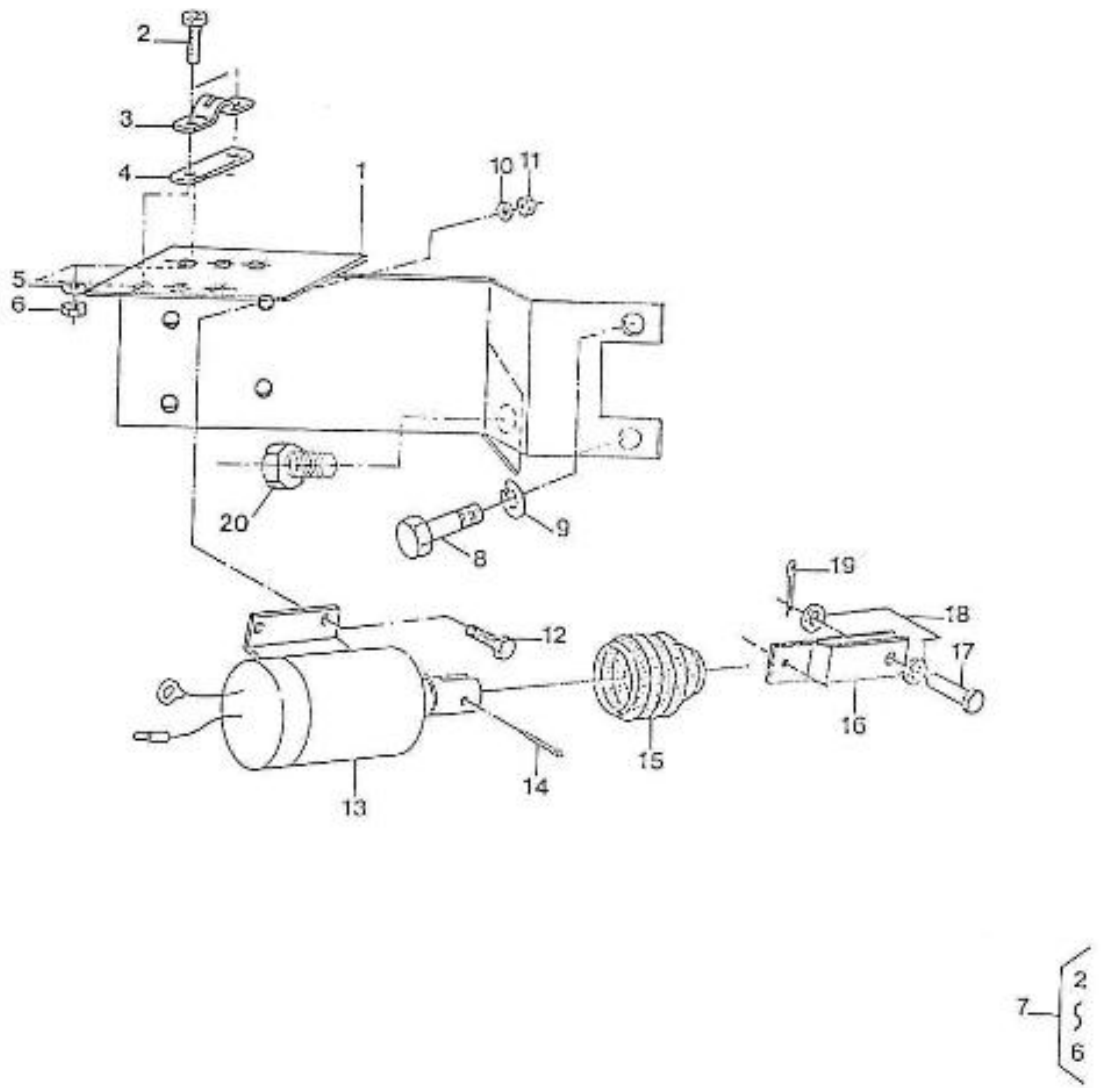
PANEL "C" (Optional equipment)

V. 28/03/2006

Pag. 46/55

Brand: NanniDiesel
 Model: Moteur 4.110HE
 Version: Standard
 Subassembly: Electric stop

N.	Item	Description	Qty	Notes
1	970302505	SUPPORT,ACC.STOP CONTROL 4.110	1	
2	970300317	BOLT,HEX M 5X 16	2	
3	970300315	CLAMP,CABLE	1	
4	970300316	PLATE,CLAMP	1	
5	970300318	WASHER,SPRING D 5	2	
6	970609904	NUT,M 5	2	
7	970835020	CLAMP	1	
8	970300275	BOLT,HEX M 6X 25	2	
9	970119149	WASHER, SPRING D 6	2	
10	970301883	+++ PLUS DIFFUSE ++++++ RONDELLE D3	4	
11	970301882	+++ PLUS DIFFUSE ++++++ ECROU M 3	4	
12	970301881	+++ PLUS DIFFUSE ++++++ VIS M 3X12	4	
13	970301580	SOLENOID,12V 4.190	1	
14	970302265	PIN,COTTER 3,2X20	1	
15	970302157	BELLOWS,STOP SOLENOID	1	
16	970301579	LEVER,STOP 4.190	1	
17	970635253	PIN,ELEC STOP FORK	1	
18	970635459	WASHER,PLAIN D 6	2	
19	970635106	PIN,COTTER 2X20 SST	1	
20	970119141	BOLT,HEX M8X 20	1	



V. 28/03/2006

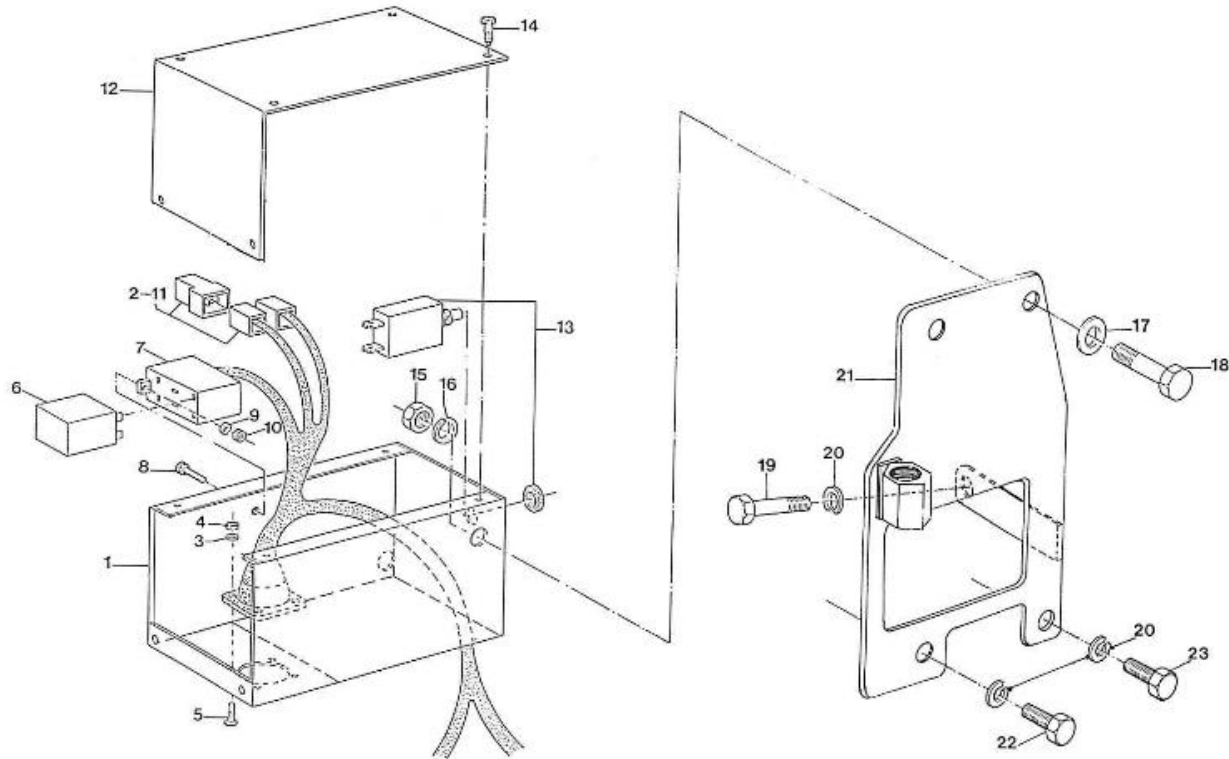
Pag. 47/55

Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Electric mainbox



N.	Item	Description	Qty	Notes
1	970301723	+++ PLUS DIFFUSE ++++++ BOITE ELECTRIQUE	1	
2	970301845	WIRING,ENGINE KUBOTA SERIES	1	
3	970301192	WASHER,PLAIN D 4	4	
4	970301117	+++ PLUS DIFFUSE ++++++ ECROU FREIN M30	4	
5	970301539	+++ PLUS DIFFUSE ++++++ VIS M4X10	4	
6	970302150	RELAIS,AUTO TIMER GLOWPLUG 12V	1	
7	970302168	+++ PLUS DIFFUSE ++++++ RECEPTEUR	1	
8	970302420	BOLT,HEX M 5X 10	1	
9	970300318	WASHER,SPRING D 5	1	
10	970609904	NUT,M 5	1	
11	970301047	DIODE,HOLDER CPL.POSITIVE -L-	2	
12	970301724	+++ PLUS DIFFUSE ++++++ COUVERCLE BOITE	1	
13	970300962	+++ PLUS DIFFUSE ++++++ DISJONCTEUR 8	1	
14	970301190	VIS M4X30	6	
15	970119143	NUT, M10	2	
16	970119136	WASHER,SPRING D10	2	
17	970119135	WASHER,PLAIN D10	2	
18	970644008	BOLT,HEX M10X 35	2	
19	970639903	BOLT,HEX M 8X 16	1	
20	970119138	WASHER,SPRING D 8	1	
21	970307094	SUPPORT	1	
22	970302213	BOLT,HEX M 6X 70	1	
23	970497323	BOLT,HEX M 6X 80	1	

V. 28/03/2006

Pag. 48/55

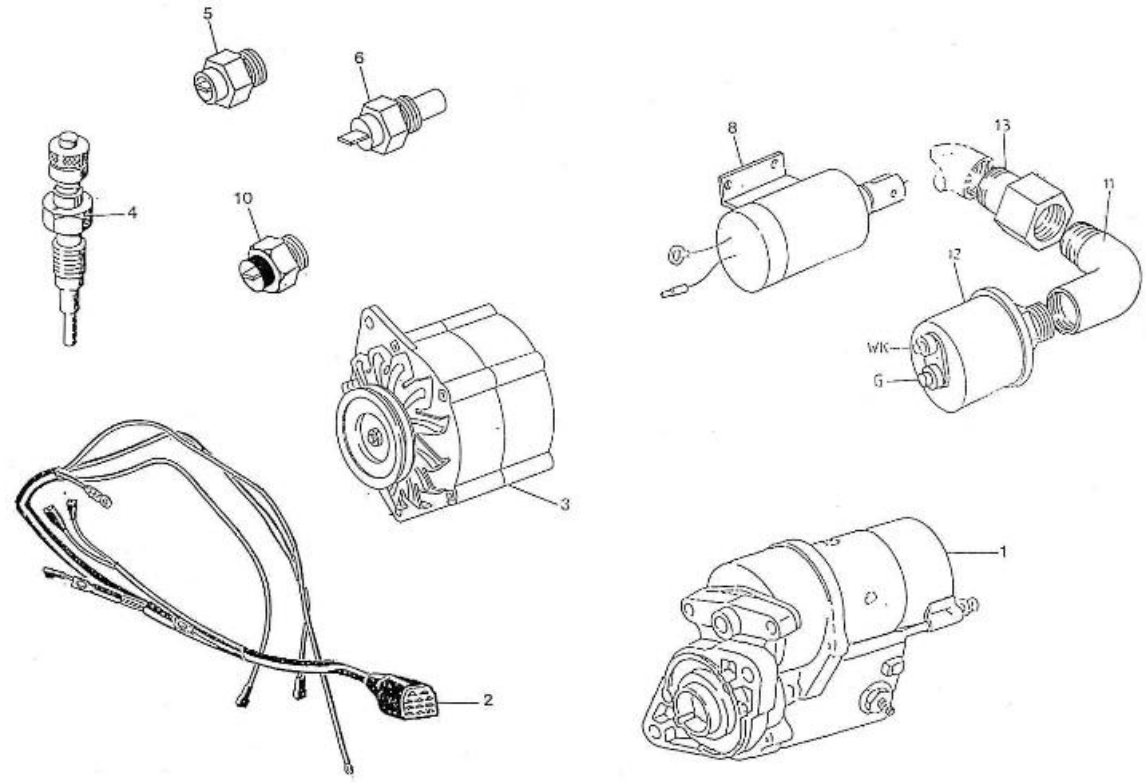
Brand: NanniDiesel

Model: Moteur 4.110HE

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	970152116	GLOWPLUG,H-HE	1	
5	970851725	TEMPERATURE SENDER	1	
6	970851602	WATER TEMPERATURE SENDER	1	
8	970301580	SOLENOID,12V 4.190	1	
10	970851700	SWITCH,OIL	1	
11	970493207	ELBOW,1/8X10X1,5MF	1	
12	970307091	OIL PRESSURE SENDER	1	
13	970493203	FITTING,PRESS SWITCH M10	1	



V. 28/03/2006

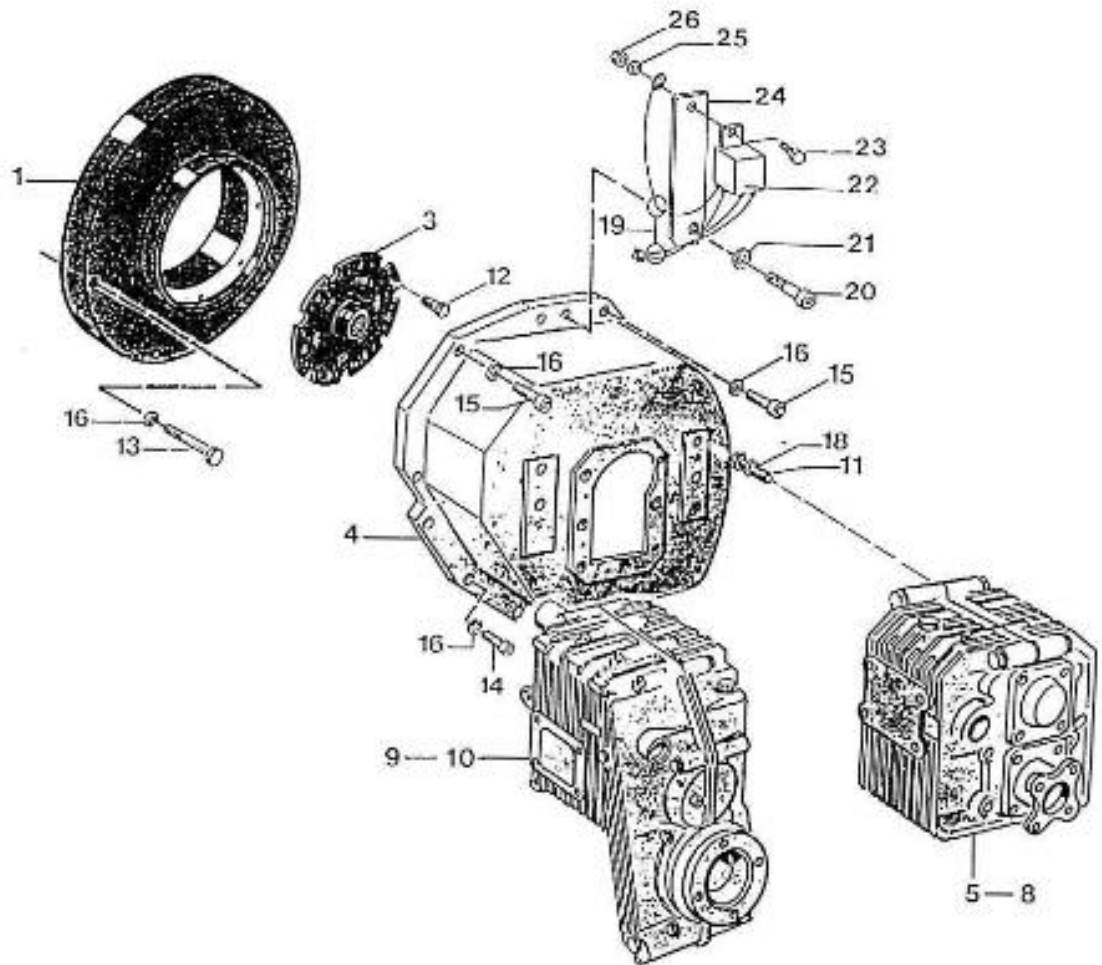
Pag. 49/55

Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Flywheel housing



N.	Item	Description	Qty	Notes
1	970511701	SUPPORT,DAMPERPLATE 4.110H ALU	1	
2	970302569	+++ PLUS DIFFUSE ++++++ KIT RELAIS	1	
3	970776050	DAMPERPLATE,121 DIN	1	
4	970498001	HOUSING,FLYWHEEL H-HE	1	
5	970776010	GEARBOX,ZF 5 M -2,05R	1	
6	970776009	GEARBOX,ZF 5M -2,72R	1	
7	970776011	GEARBOX,HBW100 -1,79R	1	
8	970776012	GEARBOX,HBW100 -2,72R	1	
9	970776340	GEARBOX	1	
10	970776335	GEARBOX	1	
11	970119141	BOLT,HEX M8X 20	6	
12	970119147	BOLT, SOCK M 6X12	8	
13	970024016	BOLT,HEX M 8X 40	6	
14	970119146	BOLT, SOCK M8X 30	9	
15	970635917	BOLT,SOCK M 8X 40	2	
16	970119139	WASHER,CORRUGATED D8	20	
17	970027322	NUT,M 8	10	
18	970119138	WASHER,SPRING D 8	4	
19	970302570	WIRING,KIT RELAIS KUBOTA START	1	
20	970301280	BOLT,HEX M 8X 90	1	
21	970119138	WASHER,SPRING D 8	1	
22	970300716	RELAIS,12V-30A -BOSCH-	1	
23	970300317	BOLT,HEX M 5X 16	1	
24	970302565	+++ PLUS DIFFUSE ++++++ SUPPORT RELAIS	1	
25	970300318	WASHER,SPRING D 5	1	
26	970609904	NUT,M 5	1	

V. 28/03/2006

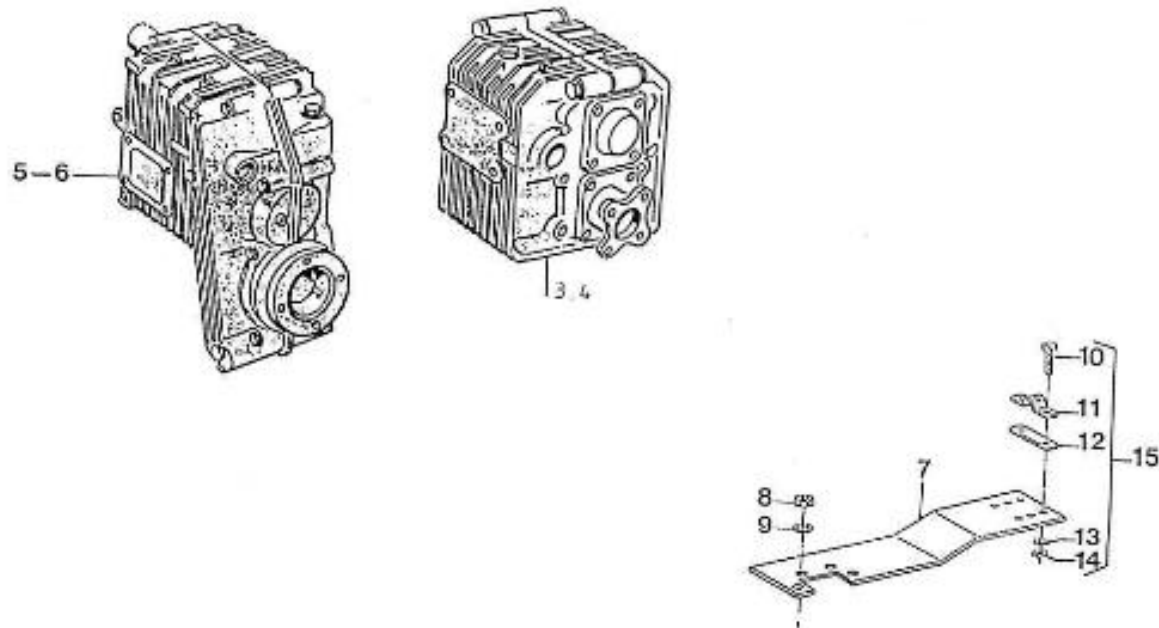
Pag. 50/55

Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Reversing gear

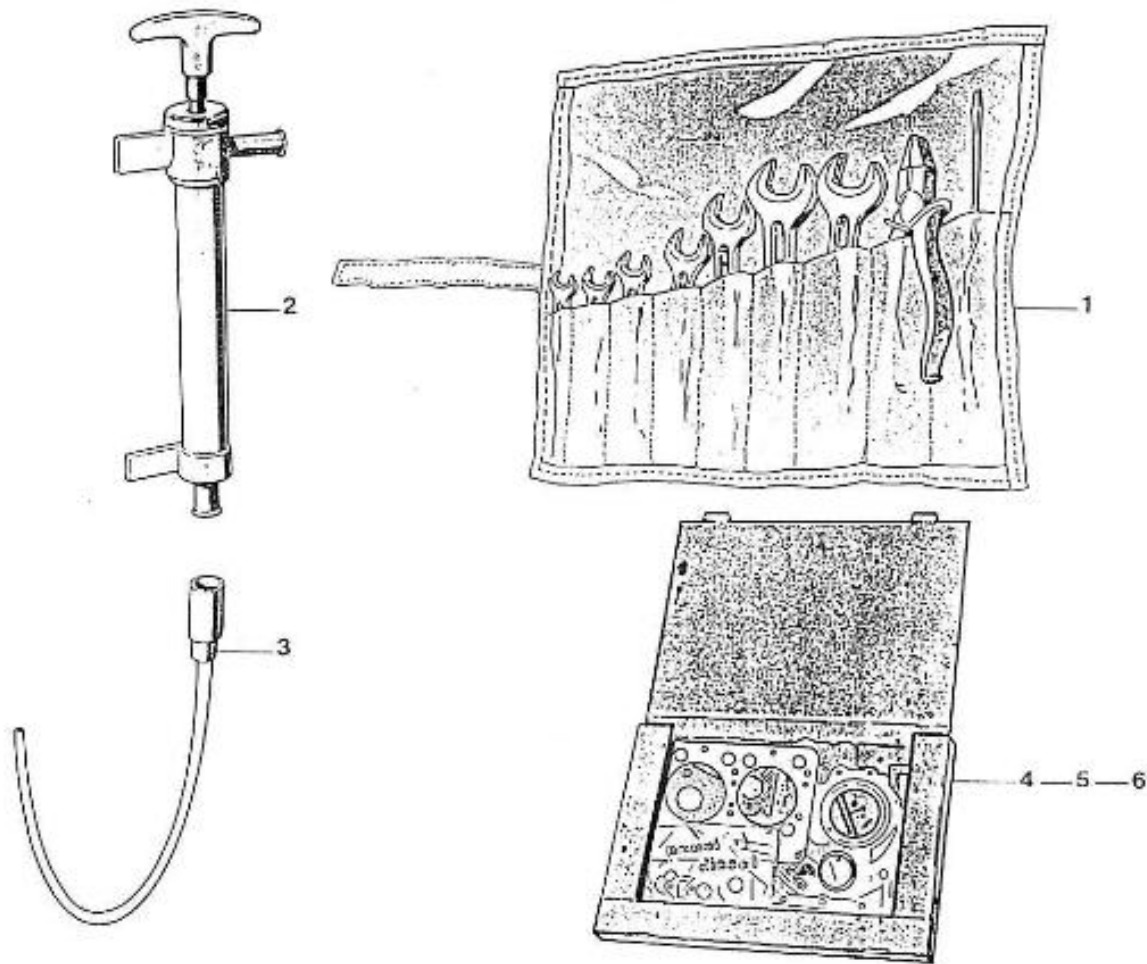


N.	Item	Description	Qty	Notes
3	970776011	GEARBOX,HBW100 -1,79R	1	
4	970776012	GEARBOX,HBW100 -2,72R	1	
5	970776340	GEARBOX	1	
6	970776335	GEARBOX	1	
7	970300373	SUPPORT,CONTROL HBW	1	
8	970027322	NUT,M 8	2	
9	970119139	WASHER,CORRUGATED D8	2	
10	970300317	BOLT,HEX M 5X 16	2	
11	970300315	CLAMP,CABLE	1	
12	970300316	PLATE,CLAMP	1	
13	970300318	WASHER,SPRING D 5	2	
14	970609904	NUT,M 5	2	
15	970835020	CLAMP	1	

V. 28/03/2006

Pag. 51/55

Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.110HE	1	970609901	KIT,TOOLS	1	
Version: Standard	2	970439302	PUMP,OIL EXTRACTION	1	
Subassembly: Tools gasket set	3	970310401	PIPE	1	
	4	970519000	SET,GASKET ENGINE 4.110 CPL.	1	
	5	970519003	SET,GASKET MARINE 4.110HE	1	
	6	970519010	GASKET SET	1	



V. 28/03/2006

Pag. 52/55

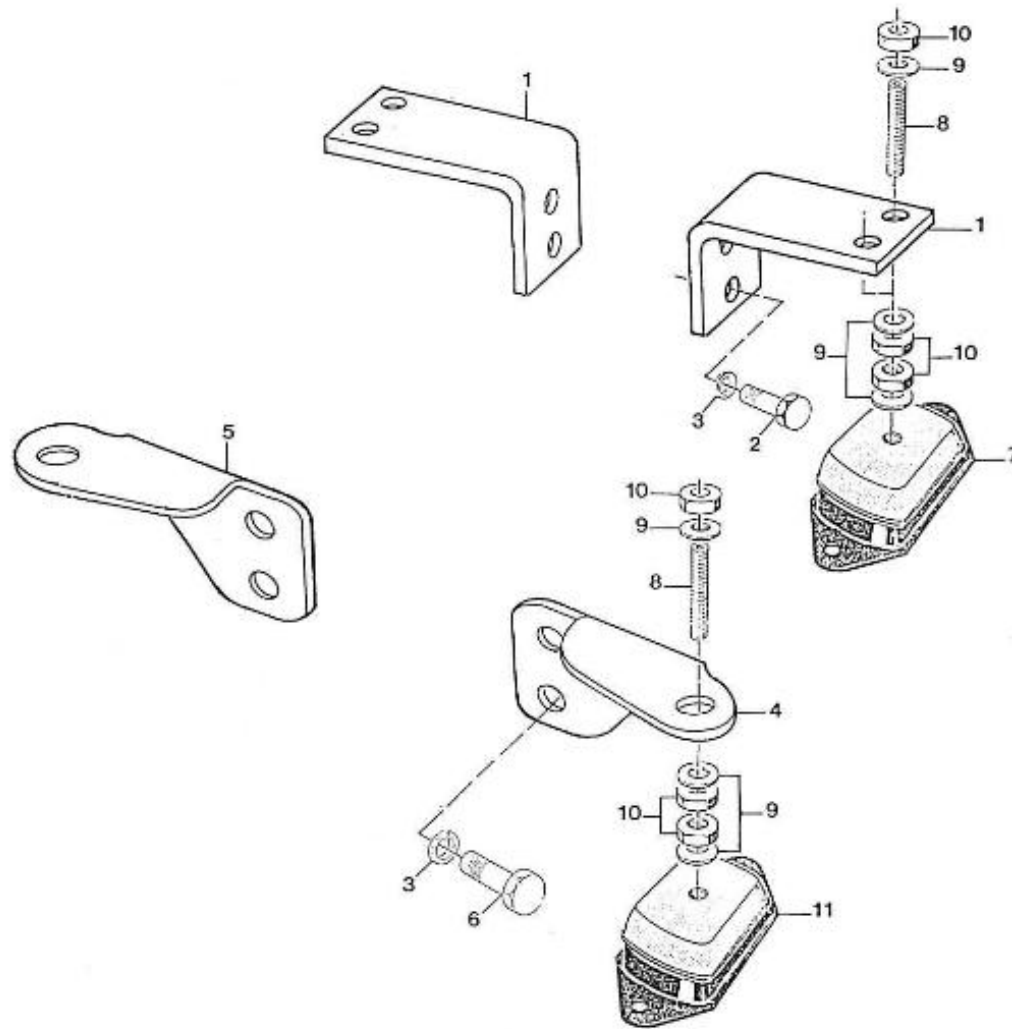
Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Engine mount

N.	Item	Description	Qty	Notes
1	970301281	SUPPORT,MOUNT 2.60 3.90 4.110	2	
2	970499051	BOLT,HEX M10X1,25X 30	4	
3	970119136	WASHER,SPRING D10	8	
4	970499045	SUPPORT,MOUNT REAR L	1	
5	970499044	SUPPORT,MOUNT REAR R	1	
6	970649721	BOLT,HEX M10X 30	4	
7	970300722	MOUNT,RUBBER 45 SMALL	4	
8	970300051	STUD,M12X 80	4	
9	970409153	WASHER,PLAIN D12	12	
10	970607318	NUT, M12	12	
12	970301083	MOUNT,RUBBER CPL.45 SMALL	1	



V. 28/03/2006

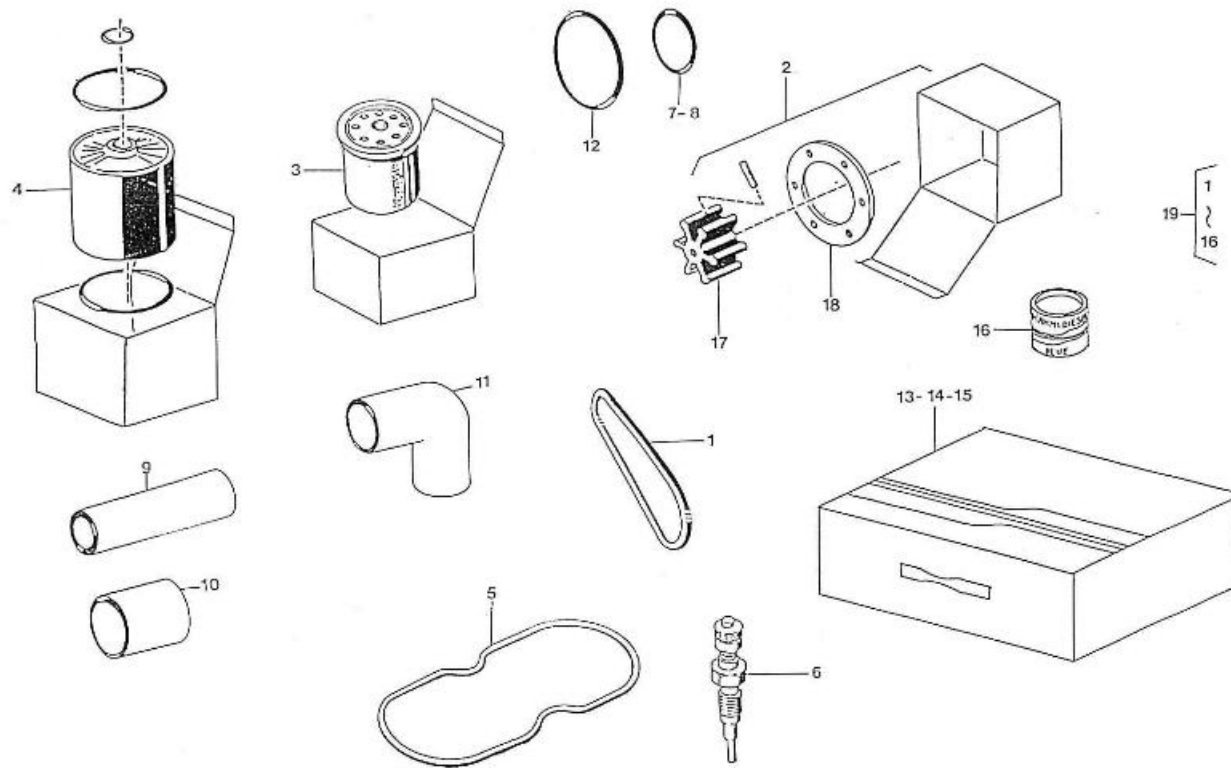
Pag. 53/55

Brand: NanniDiesel

Model: Moteur 4.110HE

Version: Standard

Subassembly: Spare parts kit



N.	Item	Description	Qty	Notes
1	970300706	V-BELT,SPZ 950 LW	1	
2	970604591	SET,IMPELLER W/PUMP 4.110-190-	1	
3	970493150	FILTER,OIL	1	
4	970875102	FILTER	1	
5	970510502	GASKET,COVER CYL:HEAD 4.110	1	
6	970152116	GLOWPLUG,H-HE	1	
7	970154025	O-RING,28,17X3,53	1	
8	970493155	O-RING,61,91X3,53	1	
9	970300245	HOSE,D25 L= 350	1	
10	970300243	HOSE,D32 L= 35	1	
11	970300269	ELBOW,WATERPUMP HE	1	
12	970604617	O-RING,59,69X5,34	1	
13	970310008	CASE	1	
14	970301347	INSERT,CASE	1	
15	970301348	INSERT,CASE BOTTOM	1	
16	970301521	PAINT,NANNI BLUE 125CC	1	
17	970604530	IMPELLER,WATER PUMP F 5B/-9	1	
18	970604529	GASKET,F5B	1	
19	970301543	CASE,SPARE PARTS CPL.4.110HE	1	

V. 28/03/2006

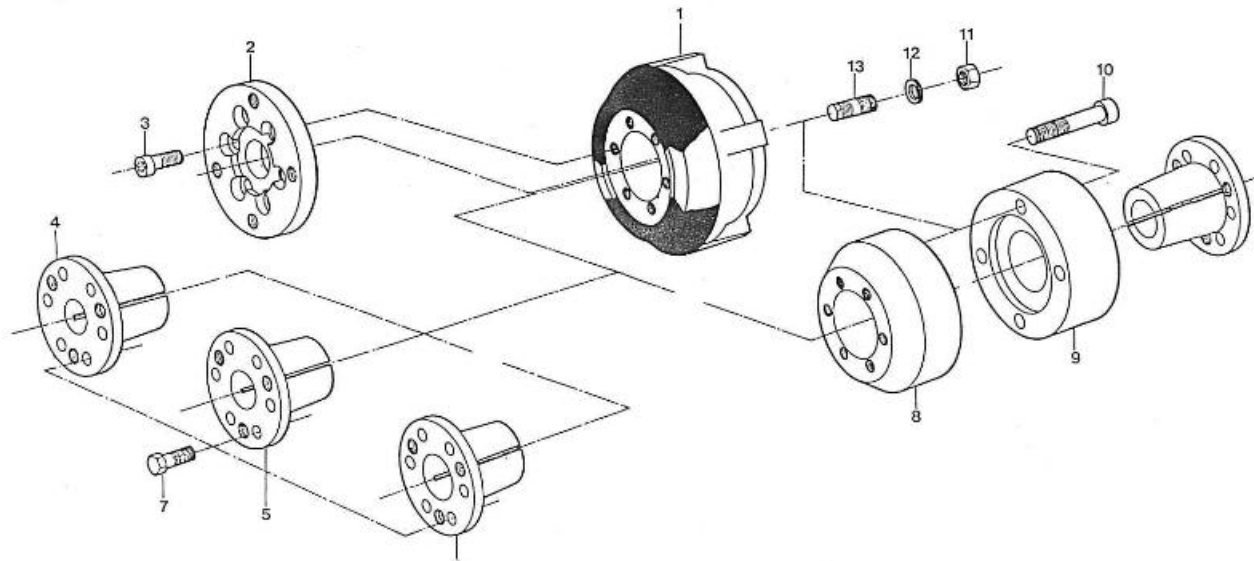
Pag. 54/55

Brand: NanniDiesel

Model: Moteur 4.110HE

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	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	970307190	SET OF GASKETS	1	

V. 28/03/2006

Pag. 55/55