

SPARE PARTS CATALOGUE

Brand: NANNI DIESEL

Model: Moteur 4.190HE

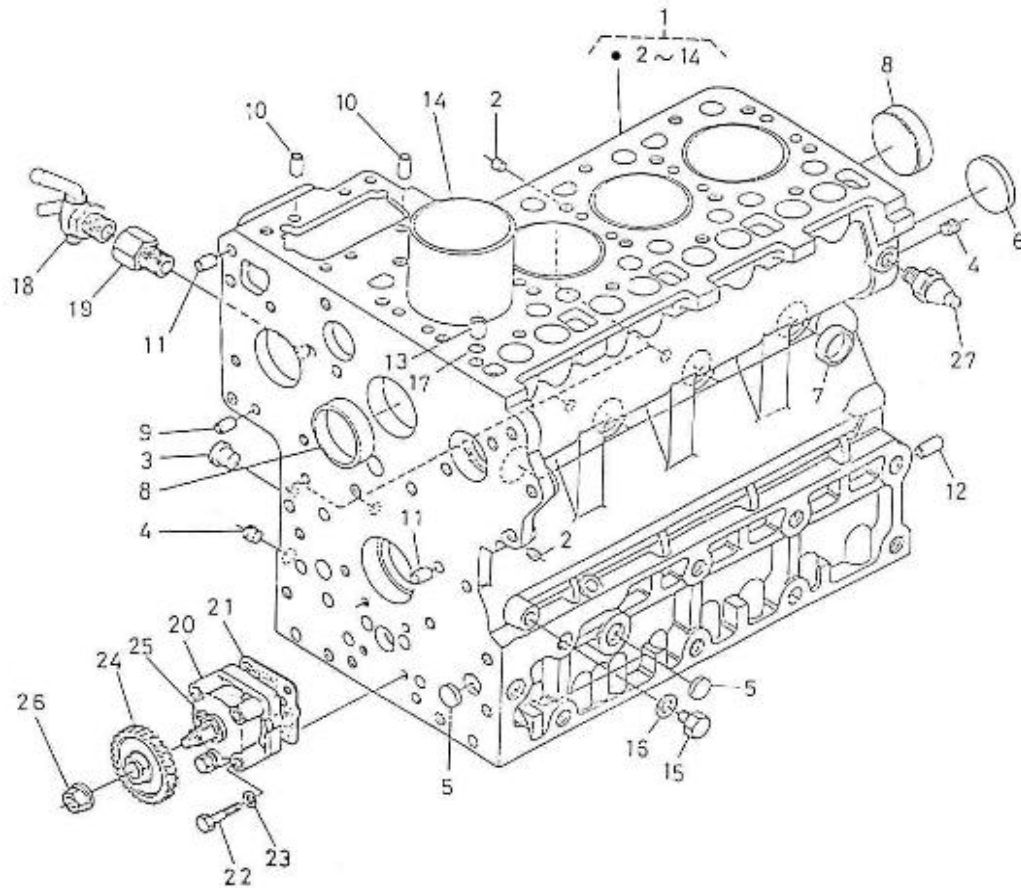
Version: Standard

Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Crank case / Cylinders



N.	Item	Description	Qty	Notes
1	970301900	CRANKCASE,CPL.4.190	1	
2	970490108	PLUG,SOCK	6	
3	970301901	PLUG (<= N°KTH0804182)	2	
4	970490109	PLUG,SOCK	2	
5	970301903	PLUG	3	
6	970301904	PLUG,EXPANSION	1	
7	970301905	CAP,SEALING	6	
8	970301906	CAP,FREEZE	2	
9	970301907	PIN,CYLINDRICAL	2	
10	970490122	PIN,CYLINDRICAL	2	
11	970301908	PIN,CYLINDRICAL	2	
12	970301909	PIN,CYLINDRICAL	1	
13	970490112	PIN,PIPE	1	
14	970301910	LINER,CYLINDER	4	
15	970301912	PLUG	1	
16	970491131	WASHER,SEAL	1	
17	970490116	O-RING (<= N°KTH0804182)	1	
18	970301918	TAP,DRAIN	1	
19	970301911	NIPPLE,REDUCTION	1	
20	970301913	PUMP,OIL CPL.4.190	1	
21	970301914	GASKET,OIL PUMP	1	
22	970300276	BOLT,HEX M 6X 50 (Pour protection injecteur)	4	
23	970119149	WASHER, SPRING D 6 (Pour protection injecteur)	4	
24	970301915	GEAR,OIL PUMP DRIVE	1	
25	970493118	KEY,FEATHER H-HE	1	
26	970301916	NUT	1	
27	970851700	SWITCH,OIL	1	

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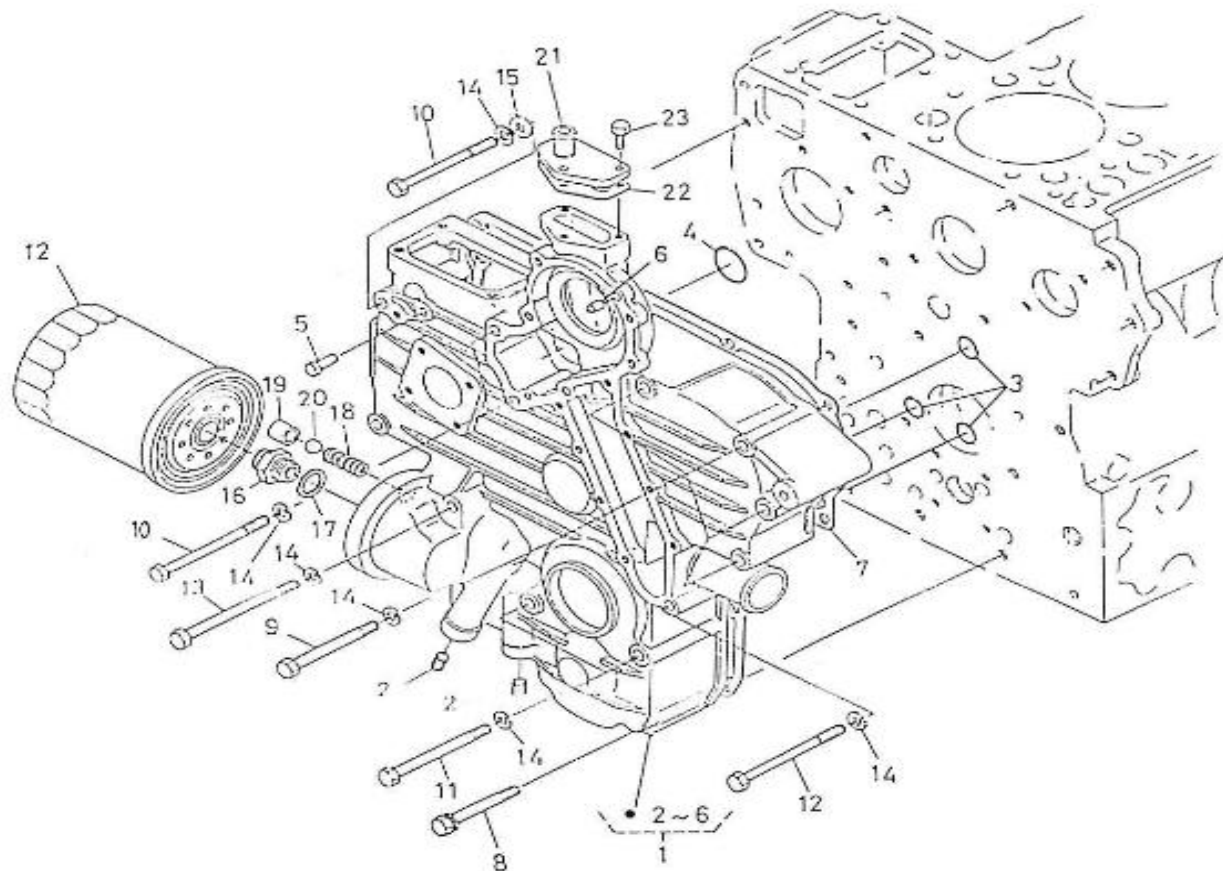
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Timing case



N.	Item	Description	Qty	Notes
1	970307304	ASSY CASE,GEAR	1	
2	970140202	PLUG, SOCK	2	
3	970301922	O-RING	3	
4	970301923	O-RING	1	
5	970490204	PIN,TIMING COVER	1	
6	970301908	PIN,CYLINDRICAL	2	
7	970301925	GASKET,TIMING CASE 4.190	1	
8	970301926	BOLT,M 8X 60	2	
9	970301927	BOLT,M 8X 70	5	
10	970301929	BOLT	2	
11	970301928	BOLT,M 8X 80	4	
12	970603003	FILTER,ELEMENT OIL 4.180/90	1	
13	970301930	BOLT,M 8X 95	2	
14	970490904	WASHER,SPRING D 8	13	
15	970301933	WASHER,PLAIN D 8	1	
16	970302072	NIPPLE	1	
17	970302073	GASKET,RING	1	
18	970302074	SPRING	1	
19	970302075	SEAT,VALVE	1	
20	970302076	BEARING,BALL	1	
21	970301931	FLANGE,WATER RETURN	1	
22	970301932	GASKET,FLANGE W/RETURN	1	
23	970491536	BOLT,M 6X 20	3	

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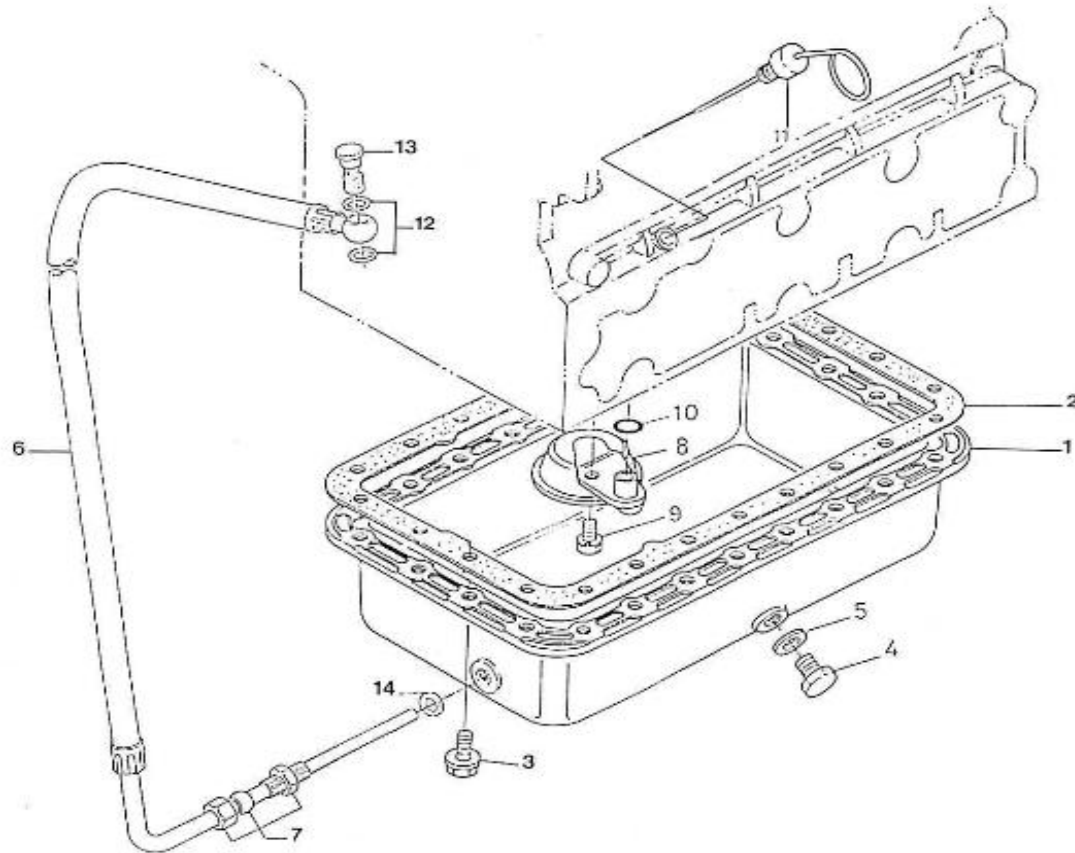
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Oil pan



N.	Item	Description	Qty	Notes
1	970301947	PAN,OIL 4.190	1	
2	970301948	GASKET,OIL PAN 4.190	1	
3	970301949	BOLT	24	
4	970490127	PLUG, OIL DRAIN	1	
5	970432132	GASKET,RING	1	
6	970302421	HOSE,OILEXTRACTION 4.190 CPL	1	
7	970302269	Please consult us - COUPLING,FITTING D10	1	
8	970301950	FILTER,OIL PAN 4.190	1	
9	970490919	BOLT,M 8X 16	1	
10	970301951	O-RING	1	
11	970301952	DIPSTICK,OIL LEVEL 4.190	1	
12	970300306	GASKET,RING D14 (SUR REFROID THERMO MOTA)	2	
13	970432515	BOLT,BANJO M14X1,5 (=> N°KT08090423)	1	
14	970300199	GASKET,RING D16	1	

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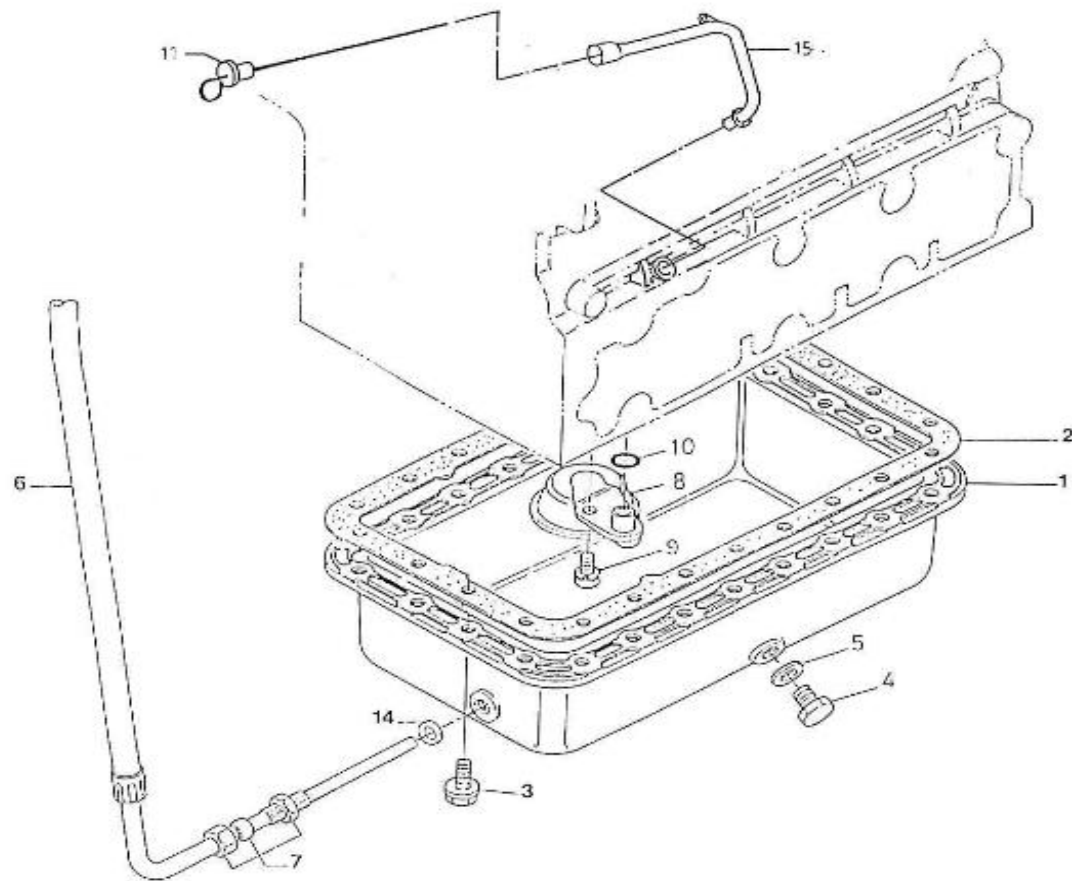
Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Oil pan

N.	Item	Description	Qty	Notes
1	970301947	PAN,OIL 4.190	1	
2	970301948	GASKET,OIL PAN 4.190	1	
3	970301949	BOLT	24	
4	970490127	PLUG, OIL DRAIN	1	
5	970432132	GASKET,RING	1	
6	970304102	DRAIN OIL PIPE	1	
7	970302269	Please consult us - COUPLING,FITTING D10	1	
8	970301950	FILTER,OIL PAN 4.190	1	
9	970490919	BOLT,M 8X 16	1	
10	970301951	O-RING	1	
11	970302954	O-RING	1	
14	970300199	GASKET,RING D16	1	
15	970302595	GUIDE,TUBE OIL DIPSTICK 6.280H	1	

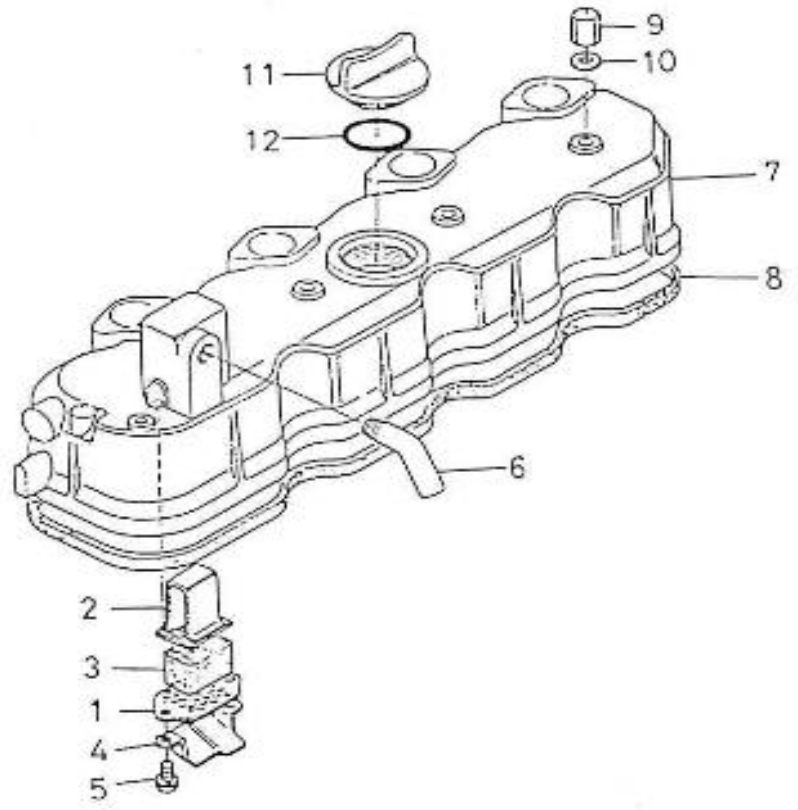


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Brand: NanniDiesel
 Model: Moteur 4.190HE
 Version: Standard
 Subassembly: Cylinder head cover

N.	Item	Description	Qty	Notes
1	970301990	PLATE,BREATHER ELEMENT N01	1	
2	970490302	HOUSING,BREATHER ELEMENT	1	
3	970490305	FILTER,BREATHER ELEMENT	1	
4	970301991	SHIELD,OIL BREATHER	1	
5	970490307	SCREW,M 5X 10	2	
6	970301993	PIPE,BREATHER	1	
7	970301994	COVER,CYLINDER HEAD 4.190	1	
8	970301995	GASKET,COVER CYL:HEAD 4.190	1	
9	970301996	NUT,CAP	4	
10	970491131	WASHER,SEAL	4	
11	970490510	CAP,FILLING OIL	1	
12	970490511	O-RING	1	



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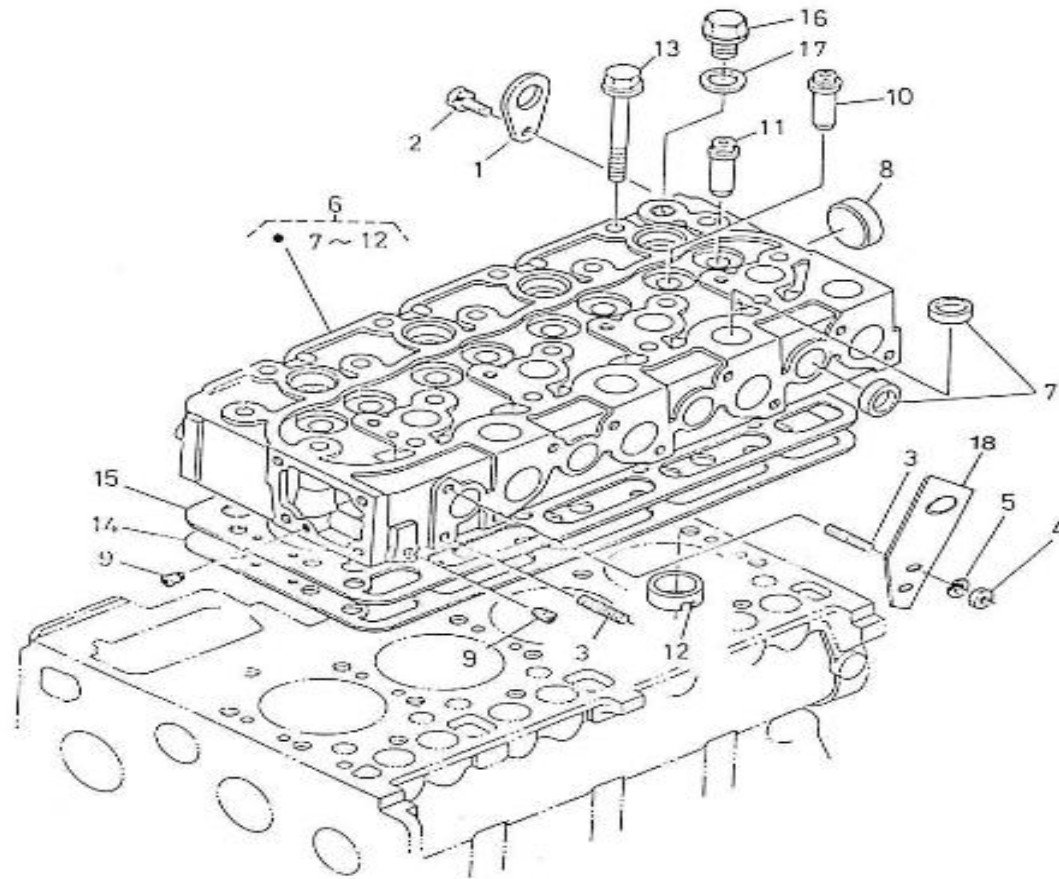
Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Cylinder head

N.	Item	Description	Qty	Notes
1	970490901	HOOK,ENGINE 2.60-3.90-4.110	1	
2	970490919	BOLT,M 8X 16	1	
3	970301935	STUD	2	
4	970490903	NUT,M 8	2	
5	970490904	WASHER,SPRING D 8	2	
6	970301936	HEAD,CYLINDER CPL 4.190	1	
7	970301937	CAP,FREEZE	12	
8	970301938	CAP,FREEZE	1	
9	970490107	PLUG,SOCK (SERRAGE A 6NM + LOCTITE 542)	2	
10	970301939	GUIDE,VALVE INTAKE 4.190	4	
11	970301940	GUIDE,VALVE EXHAUST	4	
12	970302398	CHAMBER,COMBUSTION	4	
13	970301941	BOLT,CYL.HEAD	18	
14	970301944	GASKET,CYL.HEAD 4.190	1	
15	970301945	SHIM,CYLINDER HEAD 4.190	1	
16	970150915	PLUG,CYL.HEAD	1	
17	970150919	WASHER,SEAL	1	
18	970302147	HOOK,ENGINE 4.190	1	



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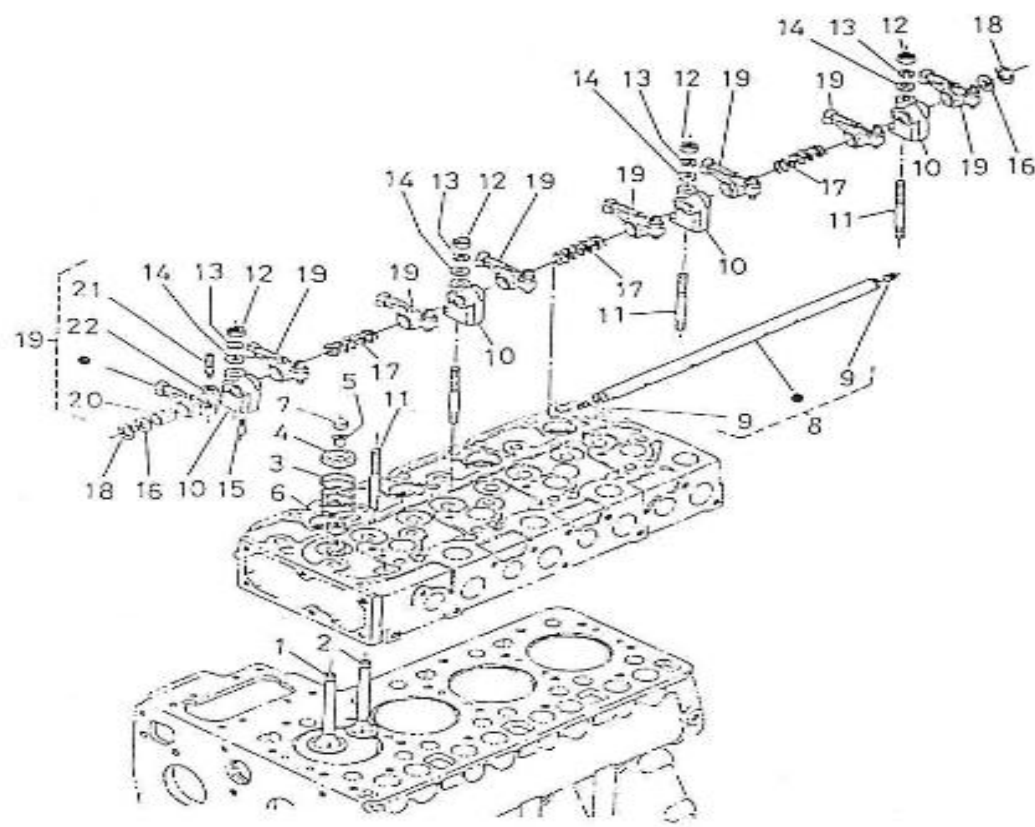
Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Valves & Springs

N.	Item	Description	Qty	Notes
1	970301924	VALVE,INTAKE 4.190	4	
2	970302004	VALVE,EXHAUST	4	
3	970302005	SPRING,VALVE	8	
4	970302006	RETAINER,VALVE SPRING	8	
5	970302007	COLLET,VALVE SPRING	16	
6	970302008	SEAL,VALVE STEM	8	
7	970302009	CAP,VALVE	8	
8	970302010	SHAFT,ROCKER ARM 4.190	1	
9	970313711	SCREW,SET	2	
10	970302012	BRACKET,ROCKER ARM	4	
11	970302013	STUD	4	
12	970490903	NUT,M 8	4	
13	970490904	WASHER,SPRING D 8	4	
14	970301933	WASHER,PLAIN D 8	4	
15	970302014	SCREW,SET	1	
16	970302015	WASHER	2	
17	970302016	SPRING,ROCKER ARM	3	
18	970302017	CIR-CLIP,EXTERNAL	2	
19	970307402	ASSY ROCKER ARM	8	
20	970302020	BUSHING,ROCKER ARM	8	
21	970302019	SCREW,ADJUSTING	8	
22	970302021	NUT	8	



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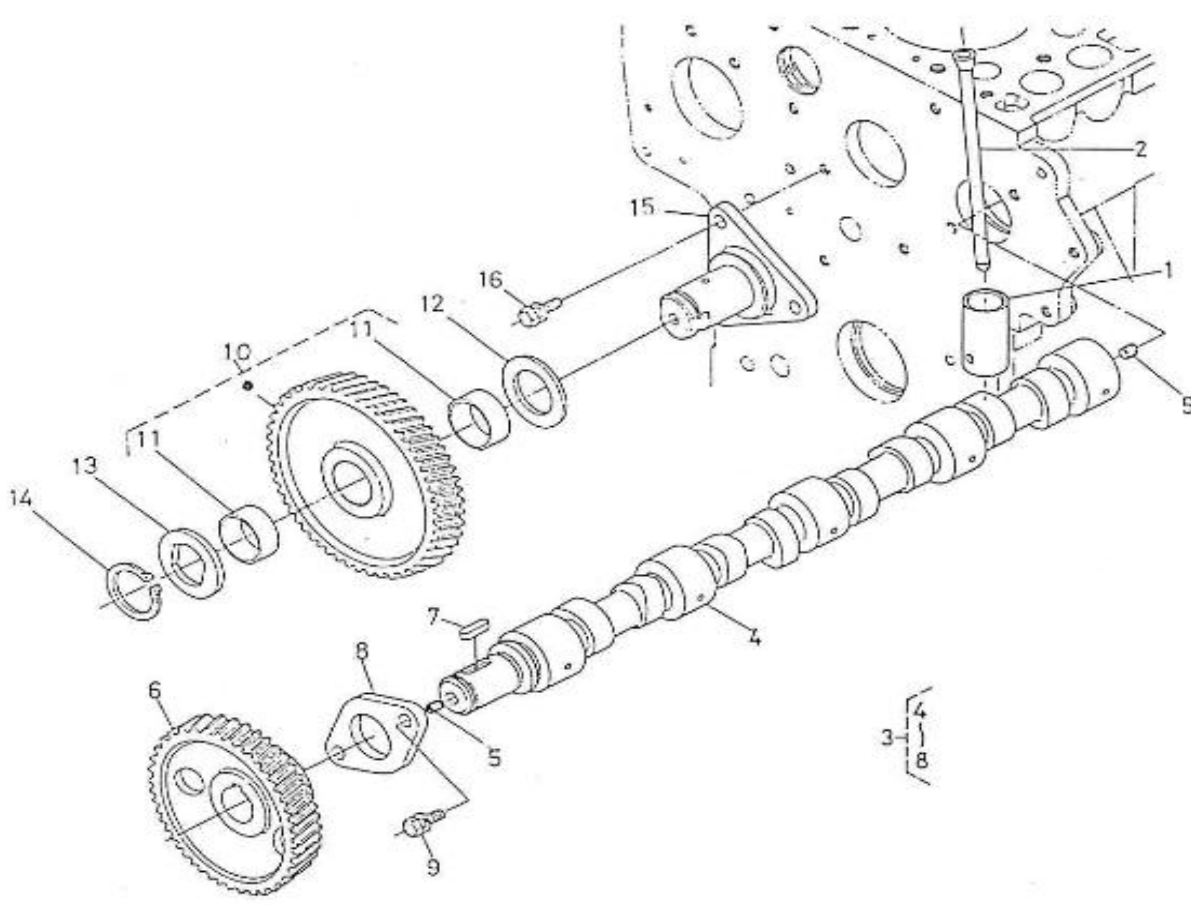
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Camshaft



N.	Item	Description	Qty	Notes
1	970302039	TAPPET	8	
2	970302040	ROD,PUSH	8	
3	970302041	CAMSHAFT,CPL.4.190	1	
4	970302041	CAMSHAFT,CPL.4.190	1	
5	970302043	SCREW,SET	2	
6	970302044	GEAR,CAMSHAFT (<= N°KTH08040182)	1	
7	970301966	KEY,FEATHER (N4.40 <= N°KTF08040092)	1	
8	970302045	STOPPER,CAMSHAFT	1	
9	970491134	BOLT,M 8X 18	2	
10	970302046	GEAR,IDLE CPL.	1	
11	970302047	BUSHING,IDLE GEAR	2	
12	970302048	COLLAR,IDLE GEAR N01	1	
13	970302049	COLLAR,IDLE GEAR N02	1	
14	970302050	CIR-CLIP,EXTERNAL	1	
15	970302051	SHAFT,IDLE GEAR	1	
16	970491134	BOLT,M 8X 18	3	

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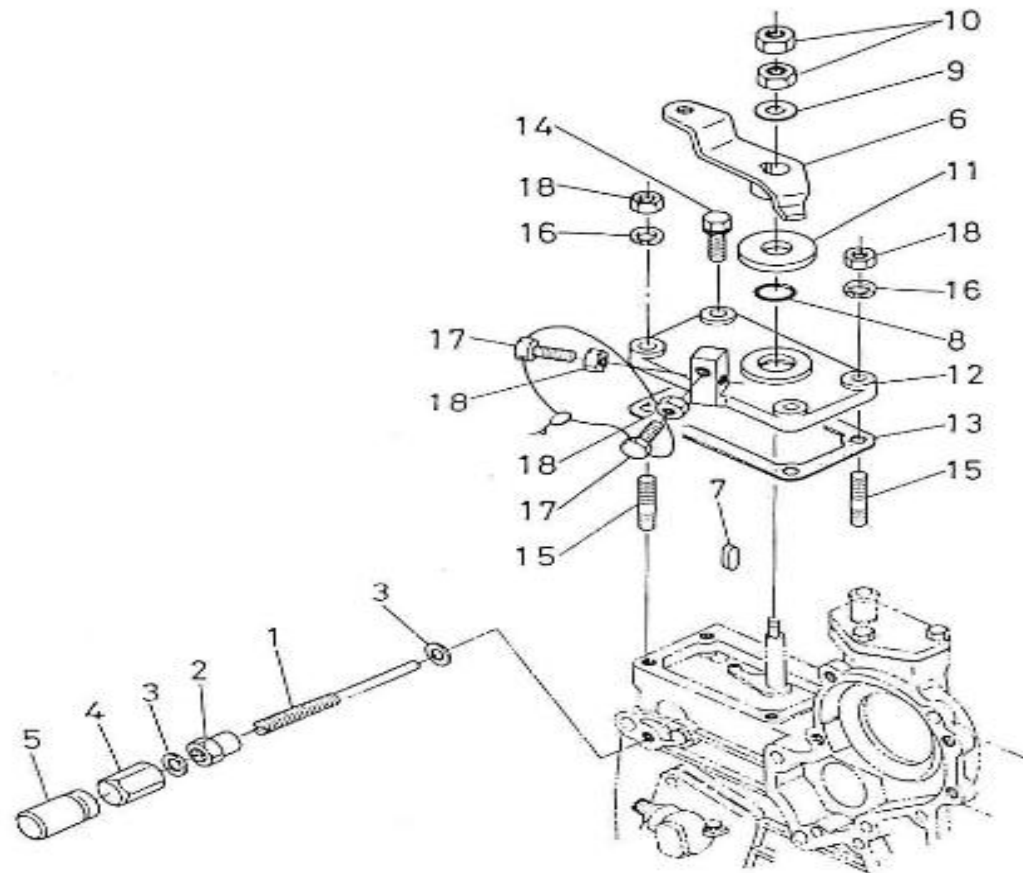
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Speed control



N.	Item	Description	Qty	Notes
1	970302022	SCREW,ADJUSTING	1	
2	970140402	NUT	1	
3	970150403	RING,SEAL (=> N° XA0001 <= 3Z0001)	2	
4	970140504	NUT, CAP M8	1	
5	970302411	CAP,NUT	1	
6	970302023	LEVER,SPEED CONTROL	1	
7	970143118	KEY,FEATHER	1	
8	970302024	O-RING	1	
9	970302025	WASHER,PLAIN D 8	1	
10	970302026	NUT,M 8	2	
11	970302027	SPACER,GOVERNOR	1	
12	970302028	COVER,SPEED CONTROL 4.190	1	
13	970302029	GASKET,COVER SPEED CONTROL	1	
14	970491536	BOLT,M 6X 20	2	
15	970490224	STUD	2	
16	970119149	WASHER, SPRING D 6 (Pour protection injecteur)	2	
17	970141301	BOLT, STOPPER ADJ.	2	
18	970151133	NUT,M 6 (BEFORE N°KTE08070398)	4	

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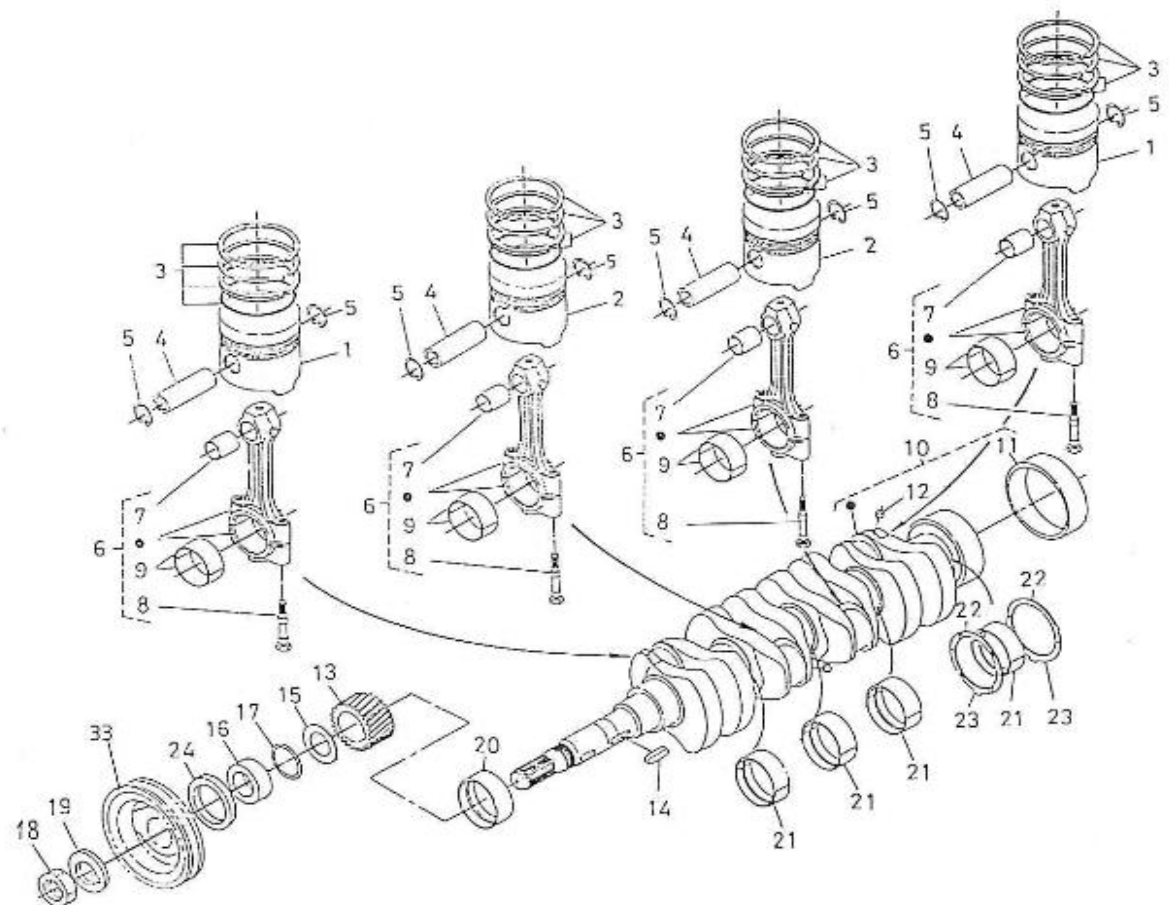
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Crankshaft pistons



N.	Item	Description	Qty	Notes
1	970301954	PISTON,STD.4.190	2	
2	970302401	PISTON,STD.4.190	2	
3	970301955	SET,PISTON RING STD.	4	
4	970301956	PIN,PISTON	4	
5	970301957	CIR-CLIP	8	
6	970301958	ROD,CONNECTING CPL.4.190	4	
7	970301959	BUSH,CONN.ROD	4	
8	970301934	BOLT,CONN.ROD	8	
9	970301960	METAL,CONN.ROD	8	
10	970301961	CRANKSHAFT,CPL.4.190	1	
11	970301962	SLEEVE,CRANKSHAFT	1	
12	970302400	BEARING,BALL	4	
13	970301965	GEAR,CRANKSHAFT (N4.40 <= N°KTF08040092)	1	
14	970301966	KEY,FEATHER (N4.40 <= N°KTF08040092)	1	
15	970301967	SLINGER,OIL	1	
16	970301968	COLLAR,CRANKSHAFT	1	
17	970301969	O-RING	1	
18	970301970	NUT,CRANKSHAFT	1	
19	970301971	WASHER,CRANKSHAFT	1	
20	970301972	METAL,CRANKSHAFT 1	1	
21	970301973	METAL,CRANKSHAFT 2	8	
22	970301974	METAL,SIDE 1	2	
23	970301975	METAL,SIDE 2	2	
24	970301976	SEAL,OIL	1	
25	970302402	PISTON,+0,5	2	
26	970302403	PISTON,+0,5	2	
27	970302404	SET,PISTON RING +0,5	4	
28	970302405	METAL,CONN.ROD +0,2	1	
29	970302406	METAL,CRANKSHAFT 1 +0,2	1	
30	970307343	METAL,C/SHAFT 2 02	8	
31	970307345	METAL,SIDE 1-02	2	
32	970302409	METAL,SIDE 2 +0,2	2	
33	970302077	PULLEY,CRANKSHAFT 4.190 STD. (N4.40 <= N°KTF08040092)	1	

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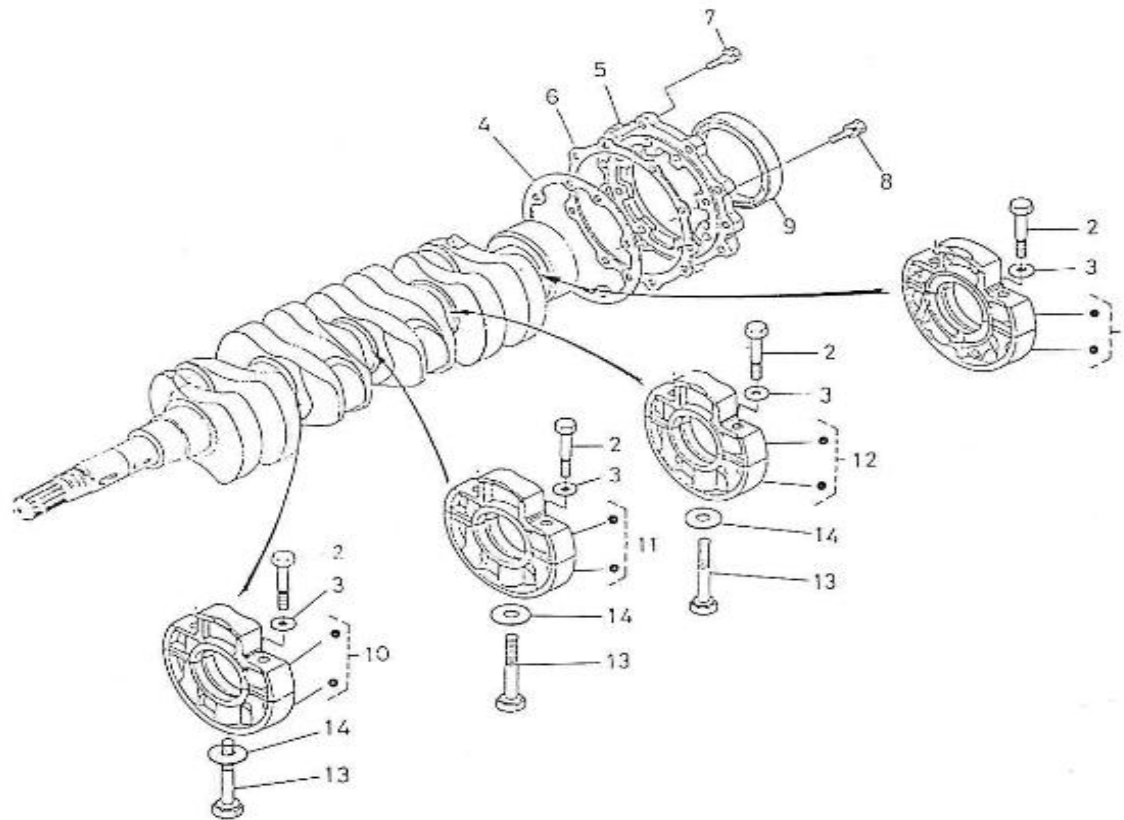
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Crankshaft



N.	Item	Description	Qty	Notes
1	970301980	BEARING,MAIN ASSY 4.190-6.280	1	
2	970301981	BOLT,BEARING CASE N01	8	
3	970301982	WASHER,PLAIN	8	
4	970301983	GASKET,BEARING COVER	1	
5	970301984	COVER,BEARING	1	
6	970301985	GASKET,BEARING COVER	1	
7	970147402	BOLT,M 8X 25	8	
8	970301986	BOLT,M 8X 28	8	
9	970301987	SEAL,OIL	1	
10	970301988	BEARING,MAIN ASSY N01 4.190	1	
11	970301989	BEARING,MAIN ASSY N02 4.190	1	
12	970301977	BEARING,MAIN ASSY N03 4.190	1	
13	970307316	BOLT,BEARING CASE	3	
14	970301979	WASHER,PLAIN	3	

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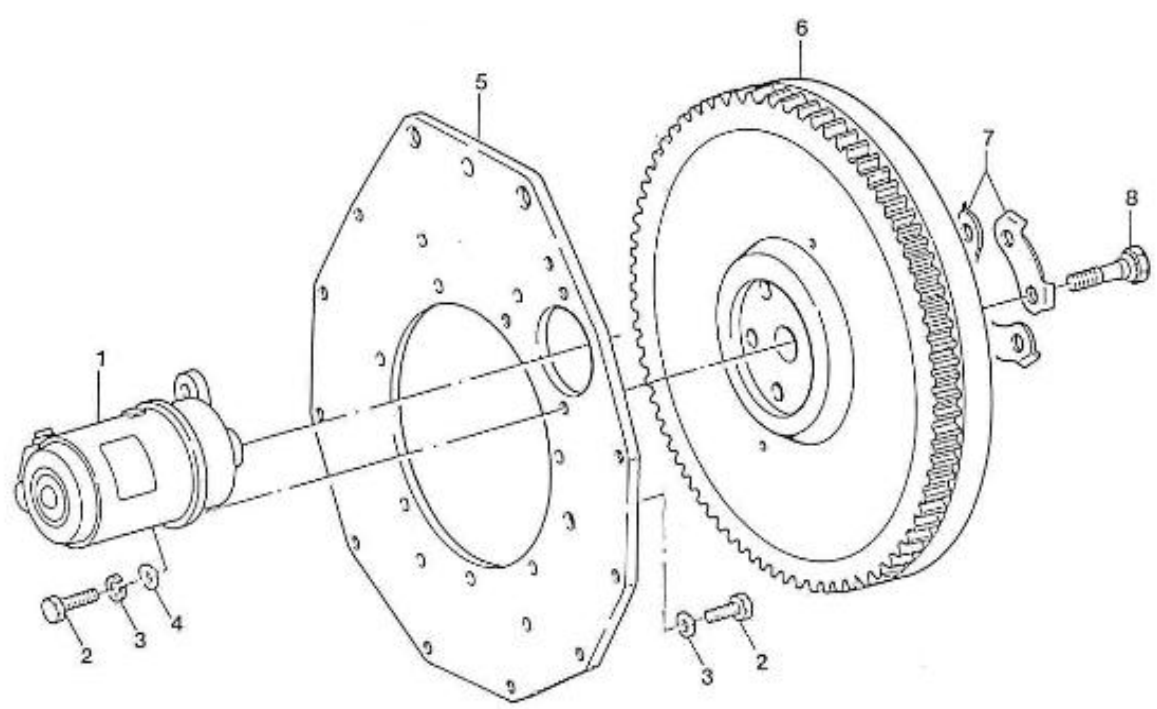
Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Flywheel

N.	Item	Description	Qty	Notes
1	970302070	STARTER,MOTOR 12V 0,8KW	1	
2	970300044	BOLT,HEX M10X1,25X 25 (+++ FIX . SUPPORT)	13	
3	970119136	WASHER,SPRING D10 (POUR INVERSEUR)	13	
4	970119135	WASHER,PLAIN D10 (DONT DEUX POUR CALAGE GALET	2	
5	970301626	PLATE,REAR END 4.190	1	
6	970301627	FLYWHEEL,CPL.4.190	1	
7	970302397	WASHER,FLYWHEEL 3PCS.	1	
8	970302396	BOLT,FLYWHEEL (<=9TZ999)	6	



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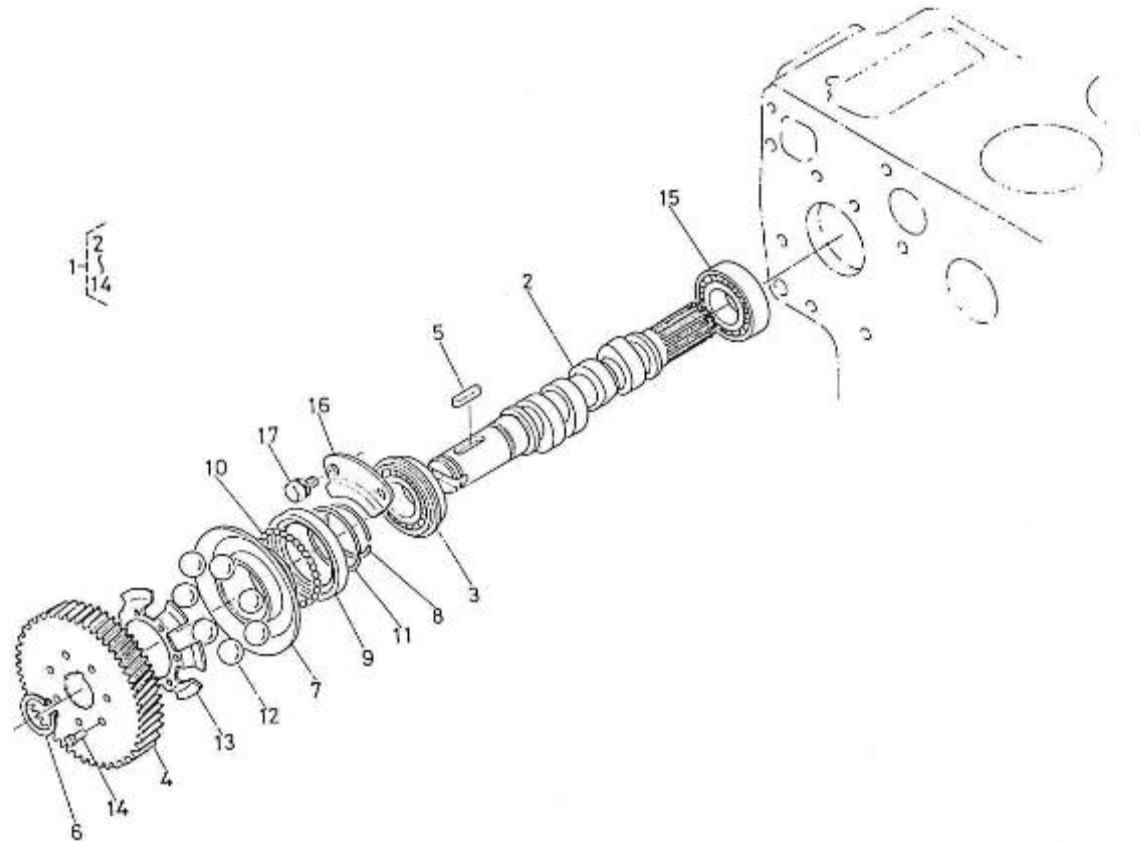
Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Camshaft fuel

N.	Item	Description	Qty	Notes
1	970302092	CAMSHAFT,FUEL CPL.4.190	1	
2	970302092	CAMSHAFT,FUEL CPL.4.190	1	
3	970312500	BEARING, BALL	1	
4	970302095	GEAR,INJ.PUMP	1	
5	970312501	KEY, FEATHER	1	
6	970302097	CIR-CLIP,EXTERNAL (←4F9999)	1	
7	970302098	SLEEVE,GOVERNOR	1	
8	970302099	CIR-CLIP,GOVERNOR SLEEVE	1	
9	970303929	CASE,GOVERNOR BALL	1	
10	970492130	BEARING,BALL FUEL CAMSHAFT	39	
11	970302100	CIR-CLIP,GOVERNOR BALL CASE	1	
12	970302101	BEARING,BALL	7	
13	970302103	GUIDE,GOVERNOR	1	
14	970302104	PIN,RIVET	7	
15	970302105	BEARING,CASE	1	
16	970302106	STOPPER,FUEL CAMSHAFT	1	
17	970490919	BOLT,M 8X 16	2	



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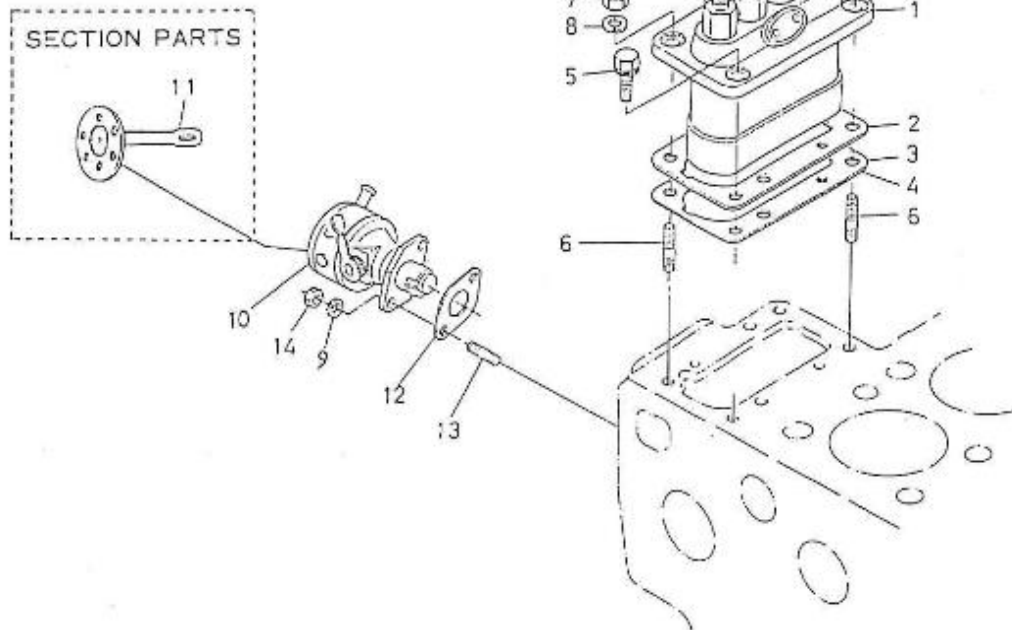
Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Injection & Fuel pump

N.	Item	Description	Qty	Notes
1	970302090	PUMP,INJECTION 4.190 CPL	1	
2	970302086	SHIM,INJECTION PUMP 4.190	1	
3	970302087	SHIM,INJECTION PUMP 4.190	1	
4	970302412	SHIM,INJECTION PUMP 0.45	1	
5	970492138	BOLT,M 8X 22	4	
6	970300103	STUD,M 8X 20	2	
7	970490903	NUT,M 8	2	
8	970490904	WASHER,SPRING D 8	2	
9	970119149	WASHER, SPRING D 6 (Pour protection injecteur)	2	
10	970512501	PUMP,FUEL FEED CPL.MANUAL	1	
11	970307110	COMP.DIAPHRAGM NA	1	
12	970492512	GASKET,FUEL PUMP	1	
13	970492513	STUD, M 6X 16	2	
14	970151133	NUT,M 6 (BEFORE N°KTE08070398)	2	



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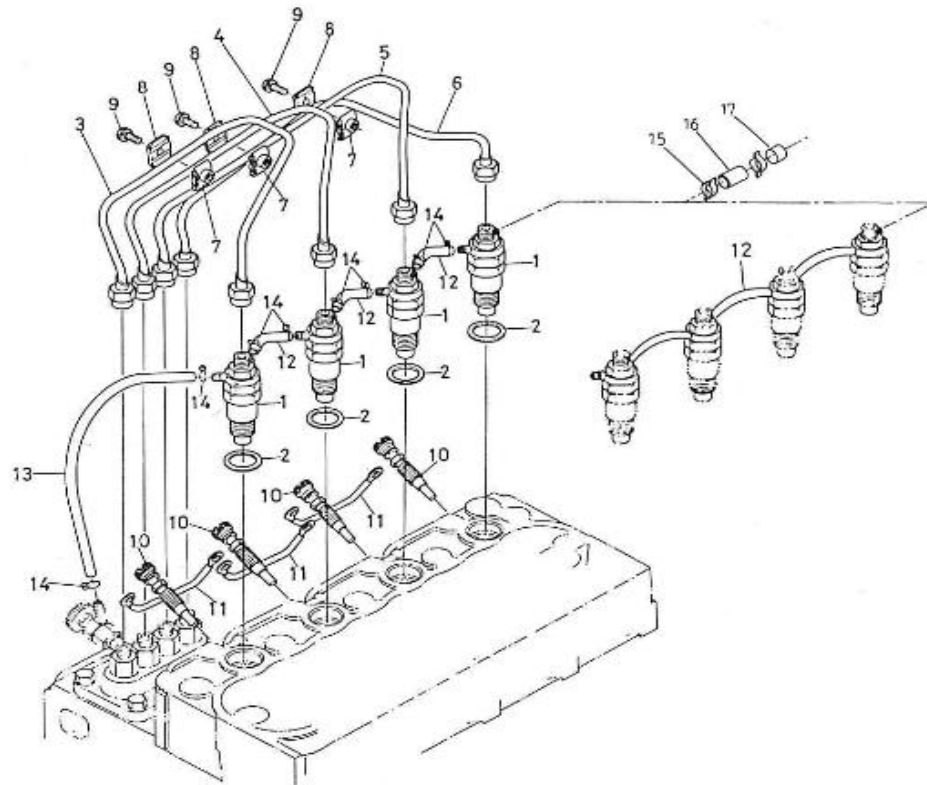
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Injection lines nozzles



N.	Item	Description	Qty	Notes
1	970152108	INJECTOR,CPL.	4	
2	970492109	GASKET,RING INJECTORS	4	
3	970302078	LINE,FUEL CYL.N01 4.190	1	
4	970302079	LINE,FUEL CYL.N02 4.190	1	
5	970302080	LINE,FUEL CYL.N03 4.190	1	
6	970302081	LINE,FUEL CYL.N04 4.190	1	
7	970142114	CLAMP,FUEL LINES 1+2	3	
8	970142115	CLAMP,FUEL-LINES 1+2	3	
9	970492118	SCREW,M 5X 20 ROUND HEAD	3	
10	970302082	GLOWPLUG,4.190	4	
11	970302083	CABLE,GLOWPLUG	3	
12	970302084	PIPE,FUEL OVERFLOW N01 CPL.	1	
13	970302085	PIPE,FUEL OVERFLOW N02	1	
14	970492305	CLAMP,HOSE	8	
15	970310171	CLAMP (+++ FIX DURITE WASTEGATE)	2	
16	32805001	HOSE (++RETOUR INJ / PPE INJ)	1	
17	970307105	No longer available	1	

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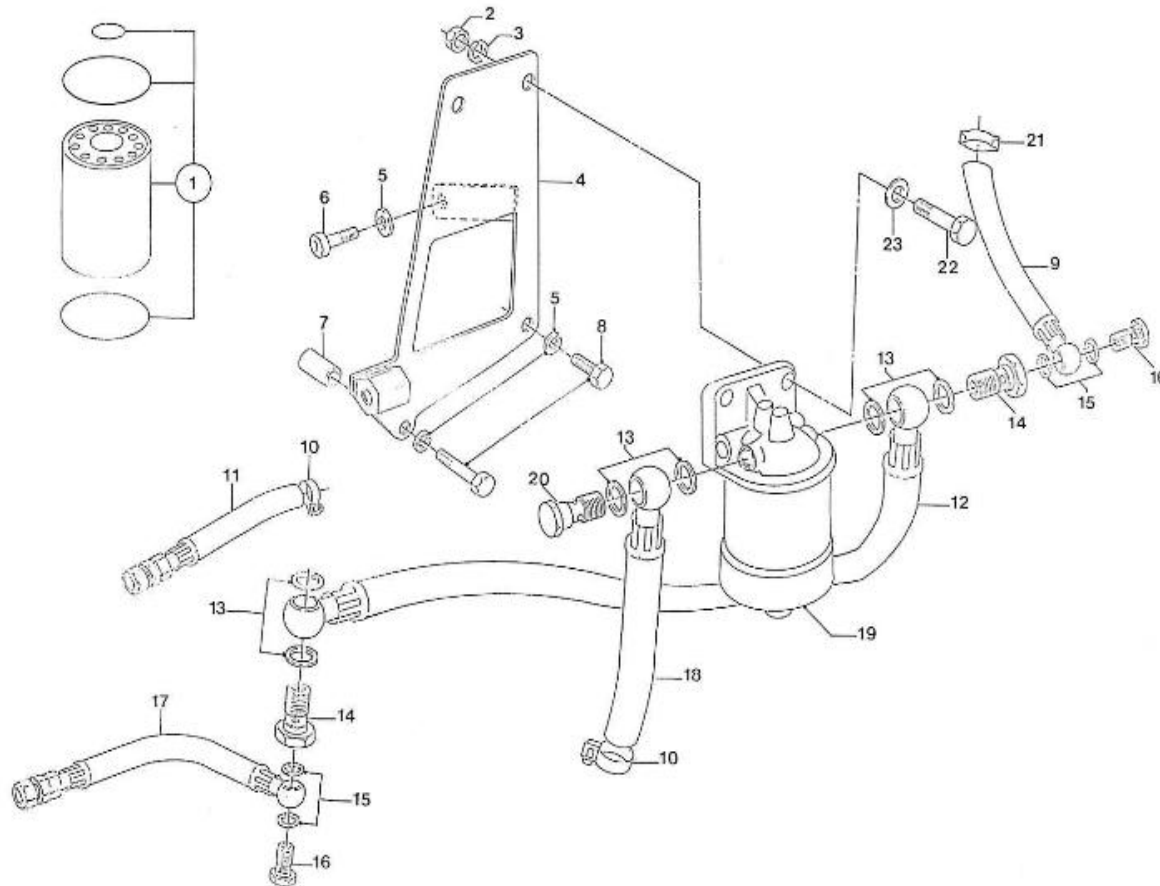
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Fuel filter Assy.



N.	Item	Description	Qty	Notes
1	970875102	FILTER	1	
2	970119143	NUT, M10	2	
3	970119136	WASHER, SPRING D10 (POUR INVERSEUR)	2	
4	970301727	SUPPORT, MAINBOX-FUEL FILTER 4.	1	
5	970119138	WASHER, SPRING D 8 (TENDEUR)	3	
6	970498003	BOLT, SOCK M 8X 25 (POUBELLE)	1	
7	970300375	SPACER	1	
8	970300192	BOLT, HEX M 8X 95	2	
9	970302329	HOSE, FUEL D 3 L= 180 CPL.	1	
10	970439306	CLAMP (++)POUR DURITE ORIGINE REF HUILE MOTEUR)	2	
11	970302330	HOSE, FUEL SUPPLY CPL.	1	
12	970301850	HOSE, FUEL INJ.PUMP CPL.	1	
13	970300306	GASKET, RING D14 (SUR REFROID THERMO MOTA)	6	
14	970300327	BOLT, BANJO M14X1,5XM8	2	
15	970300288	GASKET, M8 (FIX TUYAU GRAISSAGE)	4	
16	970432133	BOLT, BANJO M 8	2	
17	970301851	HOSE, FUEL RETURN CPL.	1	
18	970301849	HOSE, FUEL SUPPLY CPL.	1	
19	970875100	No longer available - FILTER	1	
20	970432515	BOLT, BANJO M14X1,5 (=> N°KT08090423)	1	
21	970310171	CLAMP (+++ FIX DURITE WASTEGATE)	1	
22	970644008	BOLT, HEX M10X 35 (++)POUR MONTAGE FLASQUE)	2	
23	970119135	WASHER, PLAIN D10 (DONT DEUX POUR CALAGE GALET TENDEUR)	2	

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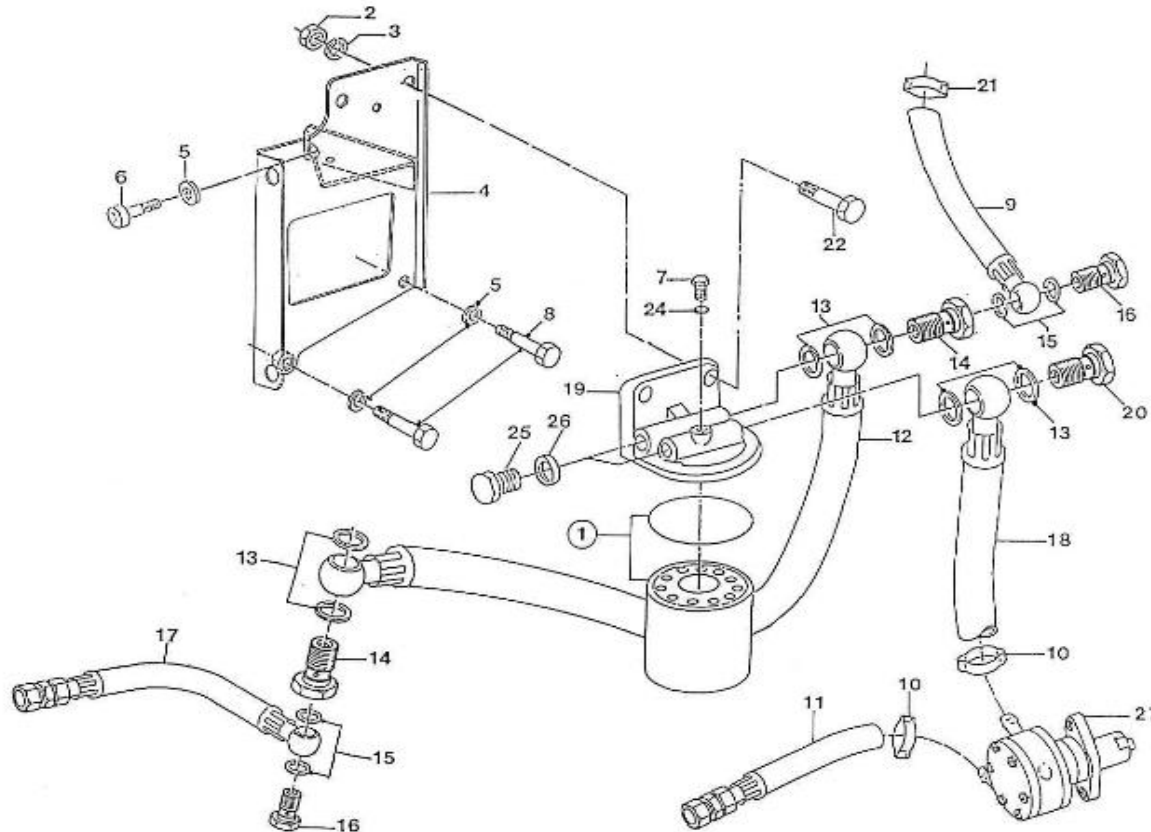
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Fuel filter

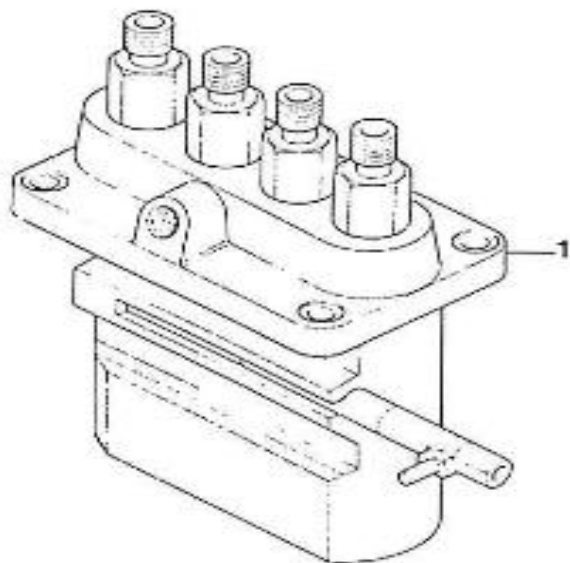


N.	Item	Description	Qty	Notes
1	970622350	FILTER,FUEL	1	
2	970119143	NUT, M10	2	
3	970119136	WASHER,SPRING D10 (POUR INVERSEUR)	2	
4	970302677	SUPP,FUELFILTER-OILEXTR.4.190,	1	
5	970119138	WASHER,SPRING D 8 (TENDEUR)	3	
6	970498003	BOLT,SOCK M 8X 25 (POUBELLE)	1	
7	970832061	BOLT	1	
8	970301280	BOLT,HEX M 8X 90	2	
9	970302329	HOSE,FUEL D 3 L= 180 CPL.	1	
10	970439306	CLAMP (++)POUR DURITE ORIGINE REF HUILE MOTEUR)	2	
11	970302330	HOSE,FUEL SUPPLY CPL.	1	
12	970301850	HOSE,FUEL INJ.PUMP CPL.	1	
13	970300306	GASKET,RING D14 (SUR REFROID THERMO MOTA)	8	
14	970300327	BOLT,BANJO M14X1,5XM8	2	
15	970300288	GASKET,M8 (FIX TUYAU GRAISSAGE)	4	
16	970432133	BOLT,BANJO M 8	2	
17	970301851	HOSE,FUEL RETURN CPL.	1	
18	970301849	HOSE,FUEL SUPPLY CPL.	1	
19	970302494	SUPPORT,FUEL FILTER ELEMENT H-	1	
20	970432515	BOLT,BANJO M14X1,5 (=> N°KT08090423)	1	
21	970310171	CLAMP (+++ FIX DURITE WASTEGATE)	1	
22	970635508	BOLT,HEX M10X 25 (A DEFINIR)	2	
24	970300288	GASKET,M8 (FIX TUYAU GRAISSAGE)	1	
25	970875506	PLUG (<= N°KT08090422)	2	
26	970300306	GASKET,RING D14 (SUR REFROID THERMO MOTA)	2	
27	970512501	PUMP,FUEL FEED CPL.MANUAL	1	
28	970622350	FILTER,FUEL	1	

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Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.190HE	1	970302090	PUMP,INJECTION 4.190 CPL	1	
Version: Standard					
Subassembly: Injection pump					

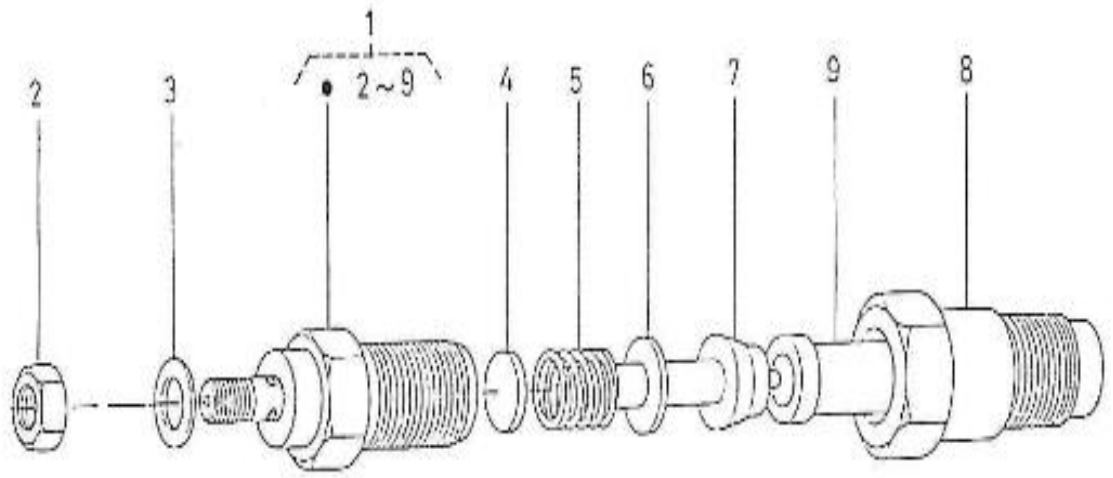


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Brand: NanniDiesel
 Model: Moteur 4.190HE
 Version: Standard
 Subassembly: Nozzle holder

N.	Item	Description	Qty	Notes
1	970152108	INJECTOR,CPL.	4	
2	970492153	NUT,NOZZLE INJ.	4	
3	970492172	WASHER,NOZZLE INJ.	4	
4	970492142	SPACER,ADJUSTING NOZZLE STD.	4	
5	970492143	SPRING,NOZZLE INJ.	4	
6	970492144	PIECE,DISTANCE NOZZLE INJ.	4	
7	970492145	ROD,PUSH NOZZLE INJ.	4	
8	970492173	NUT,NOZZLE INJ.	4	
9	970492113	NOZZLE,INJECTOR	4	
10	970142200	SET,SPACER NOZZLE	4	



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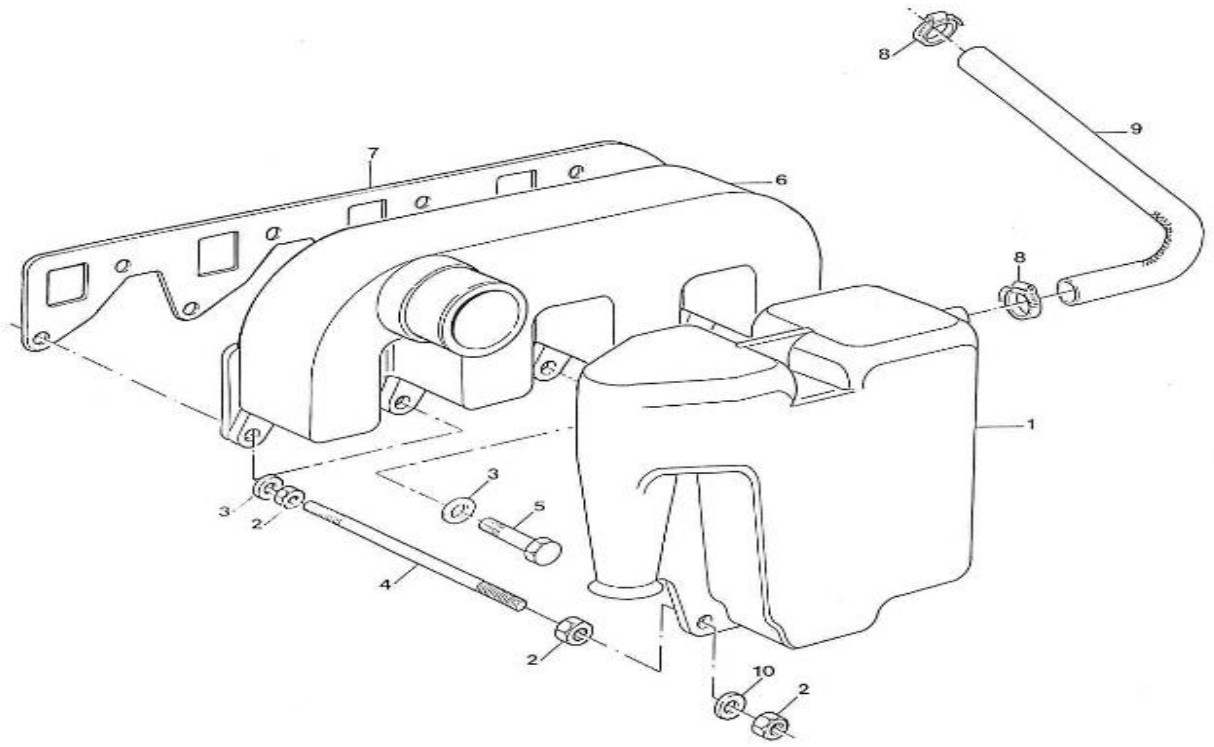
Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Air filter

N.	Item	Description	Qty	Notes
1	970301715	FILTER,AIR 4.190 6.280	1	
2	970027322	NUT,M 8 (++)ECROU FIL DEMARREUR)	6	
3	970119139	WASHER,CORRUGATED D8 (DONT 3 PTO)	4	
4	970301581	STUD,M 8X110	2	
5	970492138	BOLT,M 8X 22	2	
6	970302136	MANIFOLD,INTAKE 4.190	1	
7	970302137	GASKET,INTAKE MANIFOLD 4.190	1	
8	970439306	CLAMP (++)POUR DURITE ORIGINE REF HUILE MOTEUR)	2	
9	970496045	HOSE,CARTER DEAIR	1	
10	970027323	WASHER,PLAIN D 8	2	



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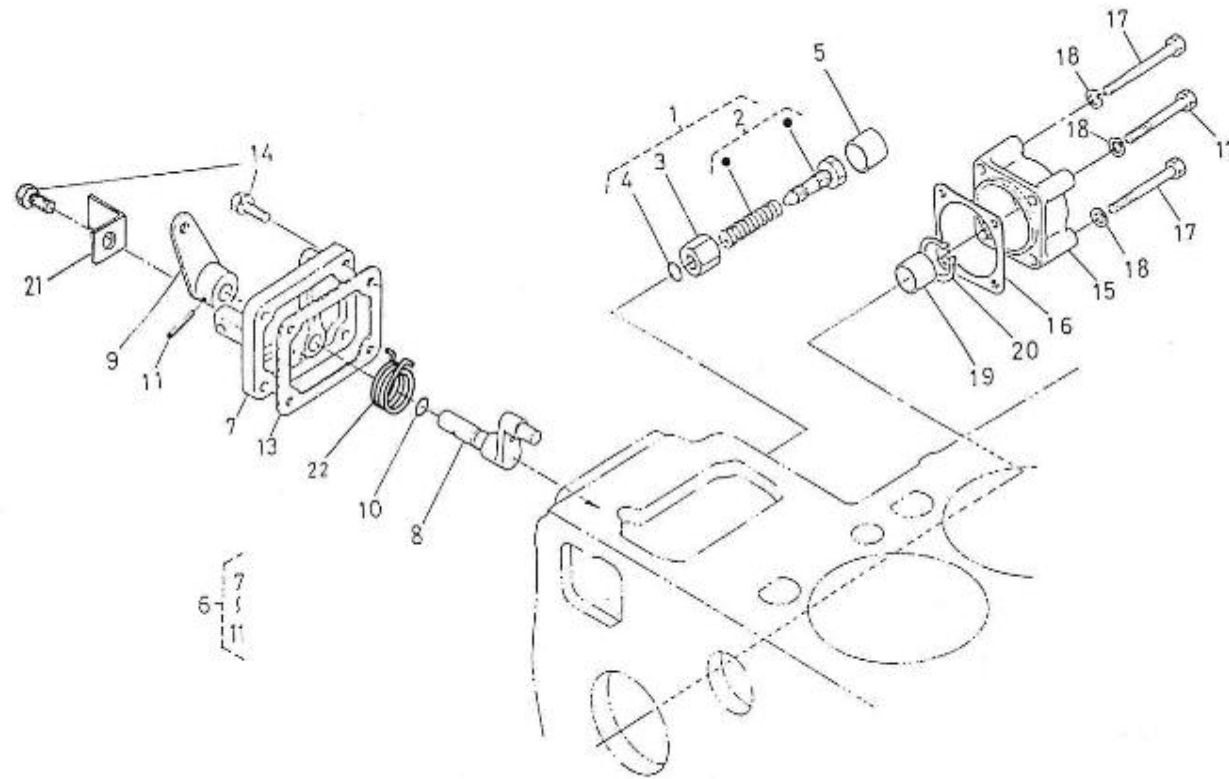
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Governor setting



N.	Item	Description	Qty	Notes
1	970302053	BOLT,ADJ.CPL.	1	
2	970302053	BOLT,ADJ.CPL.	1	
3	970302056	NUT	1	
4	970302057	O-RING	1	
5	970302069	CAP	1	
6	970302058	LEVER,ENGINE STOP CPL.	1	
7	970302059	COVER,INJ.PUMP	1	
8	970302060	SHAFT,LEVER	1	
9	970302061	LEVER,ENGINE STOP	1	
10	970141303	O-RING, GOVERNOR	1	
11	970151130	PIN,SPRING RETAINER	1	
13	970310448	GASKET,PUMP COVER NA	1	
14	970490143	BOLT,M 6X 18	4	
15	970302063	COVER,FUEL CAMSHAFT	1	
16	970302065	GASKET,COVER FUEL CAMSHAFT	1	
17	970302067	BOLT,M10X 70	4	
18	970302068	WASHER,SPRING D10	4	
19	970302064	BUSHING,COVER CAMSHAFT	1	
20	970302066	CIR-CLIP,EXTERNAL	1	
21	970302571	SUPPORT,ACC.CONTROL H/HE	1	
22	970151131	SPRING,INJ.PUMP	1	

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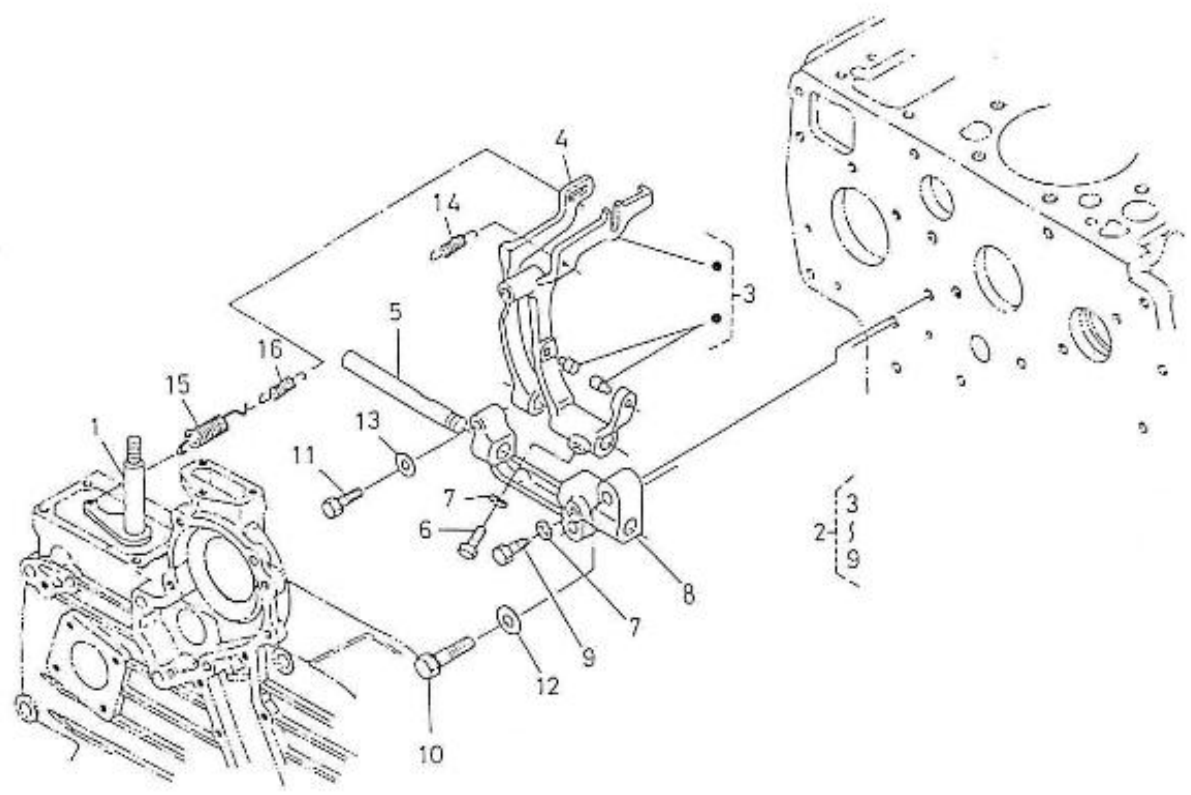
Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Governor

N.	Item	Description	Qty	Notes
1	970302030	LEVER,GOVERNOR	1	
2	970302031	GOVERNOR,CPL.4.190	1	
3	970302032	LEVER,FORK CPL.N01	1	
4	970302033	LEVER,FORK N02	1	
5	970302034	SHAFT,FORK LEVER	1	
6	970302035	BOLT	1	
7	970119149	WASHER, SPRING D 6 (Pour protection injecteur)	2	
8	970302036	SUPPORT,FORK LEVER	1	
9	970490520	BOLT	1	
10	970302037	BOLT,M 8X 32	2	
11	970491323	BOLT,M 6X 28	1	
12	970301933	WASHER,PLAIN D 8	2	
13	970141326	WASHER, PLAIN D6	1	
14	970302038	SPRING,START	1	
15	970161314	SPRING,GOVERNOR N01	1	
16	970161315	SPRING,GOVERNOR N02	1	

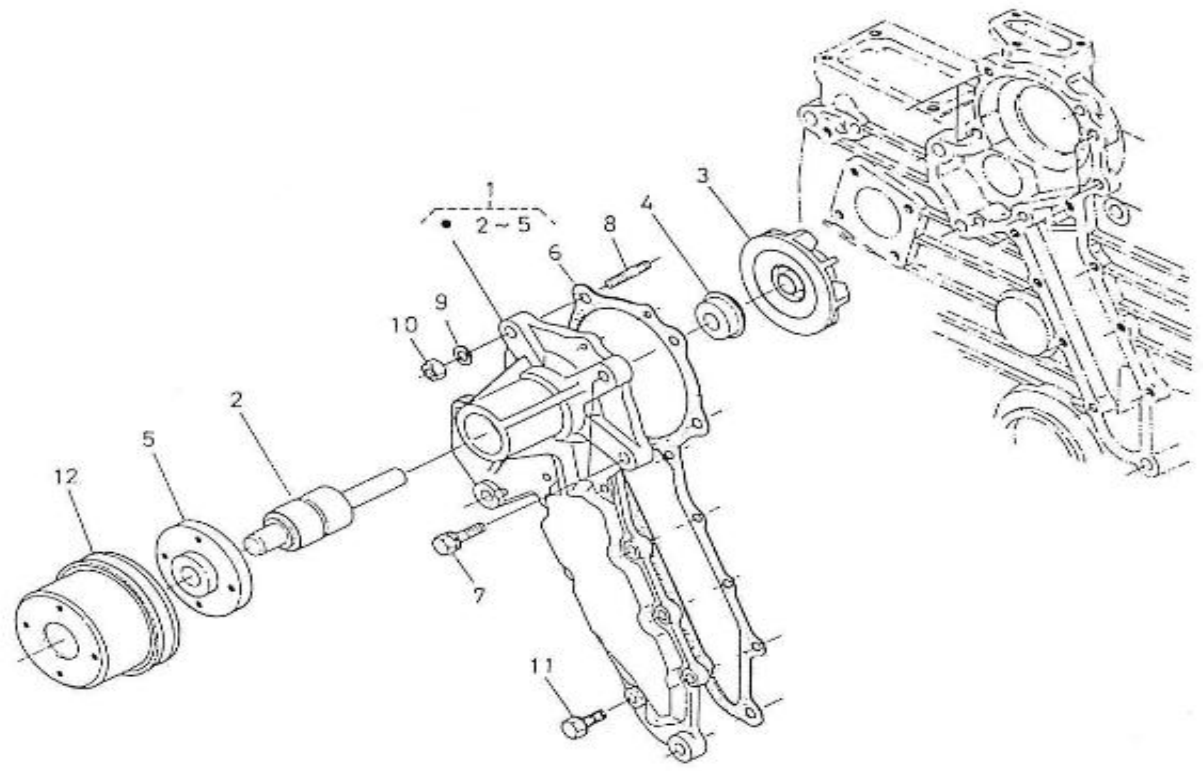


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Brand: NanniDiesel
Model: Moteur 4.190HE
Version: Standard
Subassembly: Fresh water pump

N.	Item	Description	Qty	Notes
1	970302110	PUMP,F/WATER CPL.4.190 (BEFORE N°KTH08040183)	1	
2	970302109	BEARING,SHAFT W/PUMP	1	
3	970302111	IMPELLER,F/WATER PUMP 4.190	1	
4	970302112	SEAL,MECHANICAL F/W.PUMP	1	
5	970302113	FLANGE,F/WATER PUMP	1	
6	970302117	GASKET,WATER PUMP 4.190 (BEFORE N°KTH08040183)	1	
7	970301986	BOLT,M 8X 28	2	
8	970302118	STUD	2	
9	970490904	WASHER,SPRING D 8	2	
10	970490903	NUT,M 8	2	
11	970490119	BOLT,M 6X 18	8	
12	970302116	PULLEY,WATER PUMP 4.190	1	



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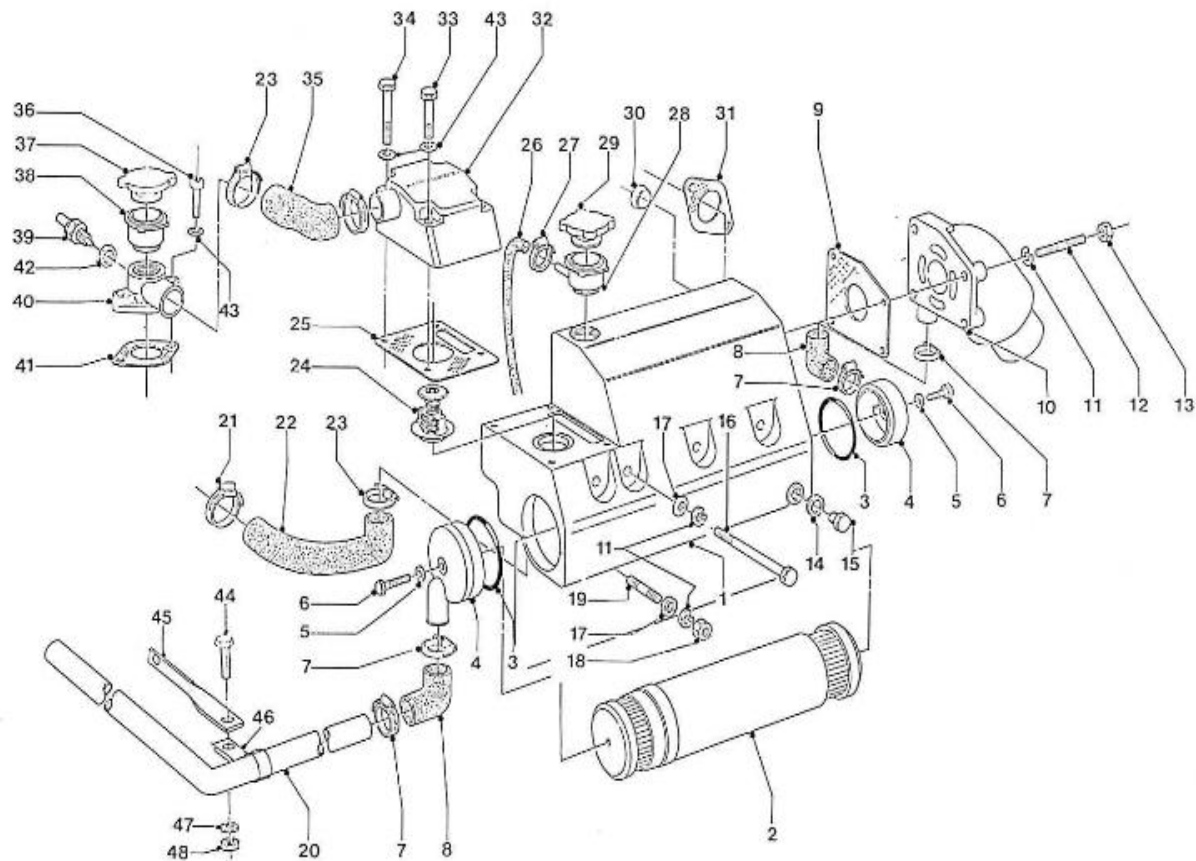
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Heat exchanger exh. Manifold



N.	Item	Description	Qty	Notes
1	970307712	HOUSING,HEATEXCHANGER	1	
2	970307713	TUB STACK	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 -	2	
9	970301710	GASKET,MIXER 4.190	1	
10	970301706APR	MIXER	1	
11	970119138	WASHER,SPRING D 8 (TENDEUR)	12	
12	970300374	STUD,M 8X 30 (+++FIX TENDEUR)	4	
13	970027322	NUT,M 8 (++ECROU FIL DEMARREUR)	4	
14	970300306	GASKET,RING D14 (SUR REFROID THERMO MOTA)	1	
15	970875506	PLUG (<= N°KT08090422)	1	
16	970301703	BOLT,HEX M 8X160	4	
17	970119138	WASHER,SPRING D 8 (TENDEUR)	8	
18	970027322	NUT,M 8 (++ECROU FIL DEMARREUR)	4	
19	970300374	STUD,M 8X 30 (+++FIX TENDEUR)	4	
20	970307424	HOSE (+++RECOUPER+++)	1	
21	970604533	CLAMP,HOSE 32-44 (QUANTITE 8 R.P. 4 LE 19/06/2008)	1	
22	970301718	HOSE,WATER RETURN D32-34	1	
23	970300922	CLAMP,HOSE 26-38 (FOURNITURE POMPE ATTELEE)	3	
24	970301412	THERMOSTAT,82X	1	
25	970301408	GASKET,THERMOSTAT COVER	1	
26	970300077	HOSE,D 8 L= 450	1	
27	970439306	CLAMP (++POUR DURITE ORIGINE REF HUILE MOTEUR)	1	
28	970300151	FILLING,NECK WATER	1	
29	970604614	CAP,FILLING 0, 7 DOUBLE SEAL	1	
30	970494517	CAP,FREEZE	2	
31	970302169	GASKET,EXHAUST MANIFOLD 4.190-	4	
32	970301403	COVER,THERMOSTAT	1	
33	970300409	BOLT,HEX M 8X 55 (+++FIX . PTO)	2	
34	970300261	BOLT,HEX M 8X 80 (++FIX ALTERNATEUR)	2	
35	970301714	HOSE,D32 COVER THERMO.4.190	1	
36	970635916	BOLT,SOCK M 8X 35 (+++ FIX COUDE ECHAP)	2	
37	970604614	CAP,FILLING 0, 7 DOUBLE SEAL	1	
38	970301734	FILLING,NECK CPL.4.190	1	
39	970851602	WATER TEMPERATURE SENDER	1	
40	970301711	FLANGE,WATER INTAKE 4.190	1	
41	970301730	GASKET,FLANGE	1	
42	970300306	GASKET,RING D14 (SUR REFROID THERMO MOTA)	1	
43	970119139	WASHER,CORRUGATED D8 (DONT 3 PTO)	6	
44	970439910	BOLT,HEX M 6X 16 (+++FIX.SUPPORT AG ACC)	1	
45	970302233	SUPPORT,PIPE CLAMP	1	
46	970304071	CLAMP	1	
47	970119149	WASHER, SPRING D 6 (Pour protection injecteur)	1	
48	970635460	NUT,M 6	1	
49	970302467	No longer available	1	

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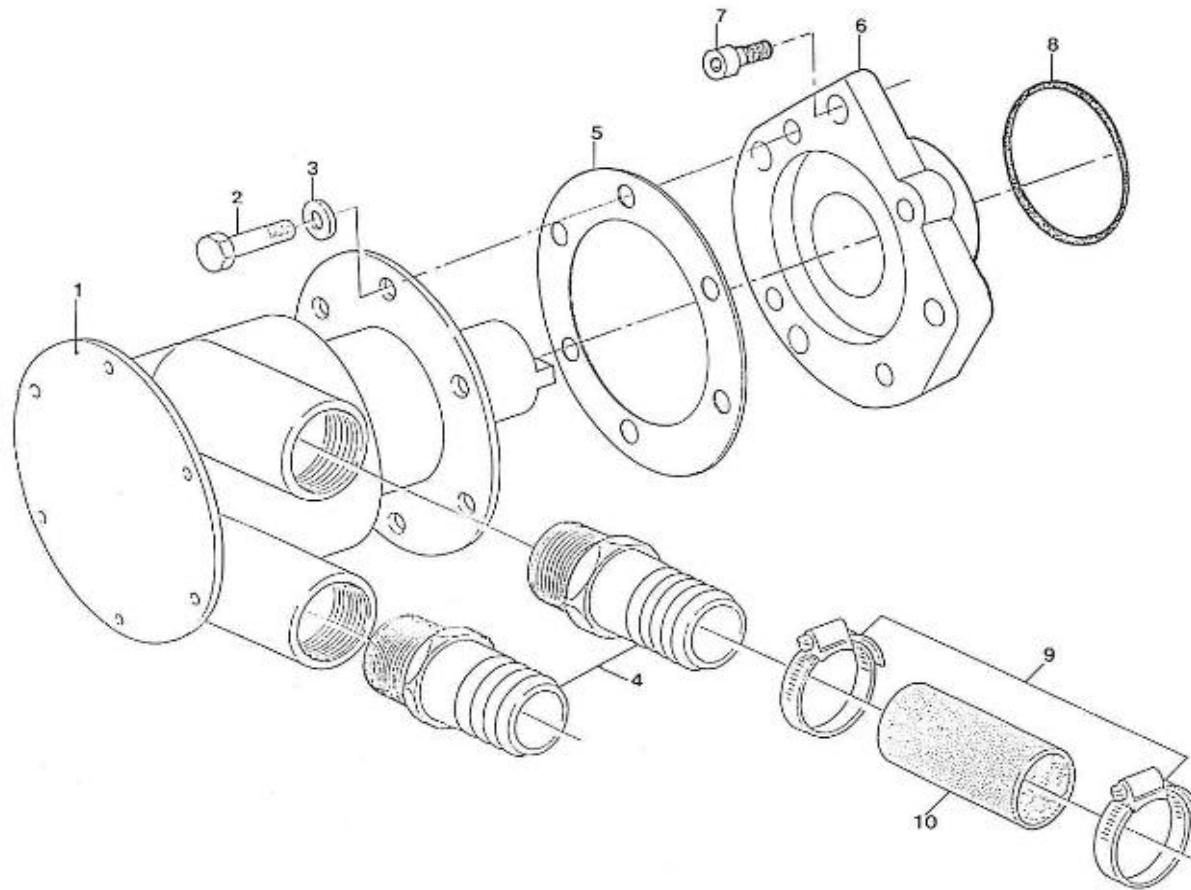
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Seawater pump Ass



N.	Item	Description	Qty	Notes
1	970301725	PUMP,WATER F5B-9 4.190	1	
2	970439910	BOLT,HEX M 6X 16 (+++FIX.SUPPORT AG ACC)	4	
3	970609602	WASHER,CORRUGATED D 6 (ROND GRAISSEE SERRAGE)	4	
4	970604515	CONNECTION,HOSE HBW-20 (SUR COUDE ET TUYAU)	2	
5	970614511	GASKET,WATER PUMP F5B-9	1	
6	970300254	FLANGE,WATER PUMP 4.110HE	1	
7	970604615	BOLT,SOCK M 6X 20	4	
8	970154025	O-RING,28,17X3,53	1	
9	970604526	CLAMP,HOSE 22-32 (COTE ECHANGEUR)	2	
10	970646105	HOSE,D25 L= 60	1	

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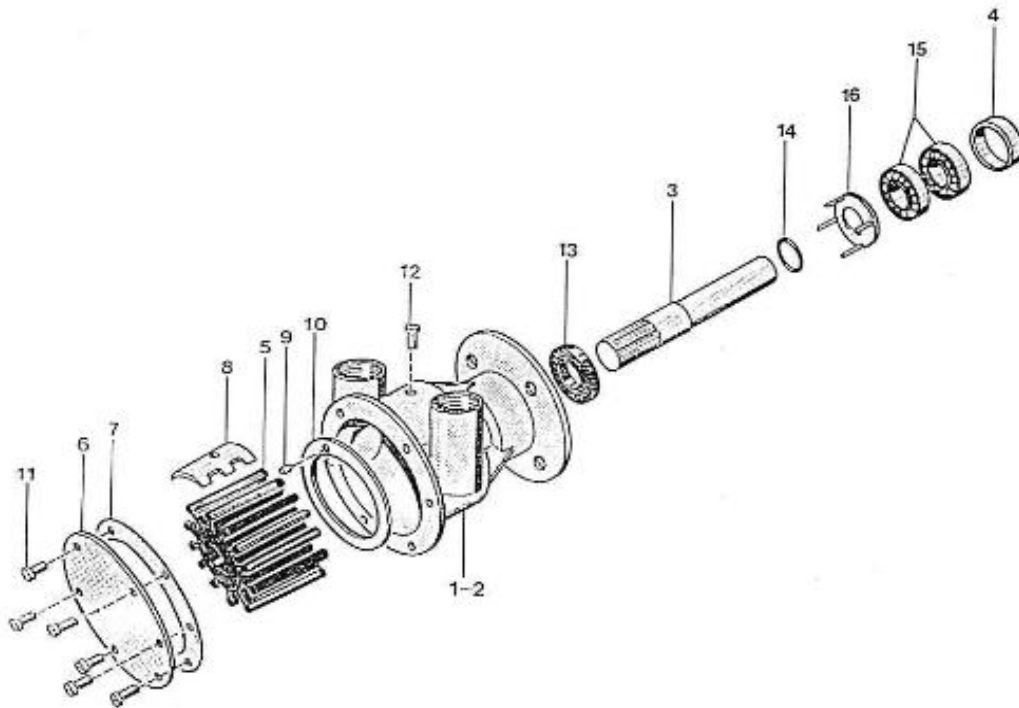
Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Sea water pump

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	



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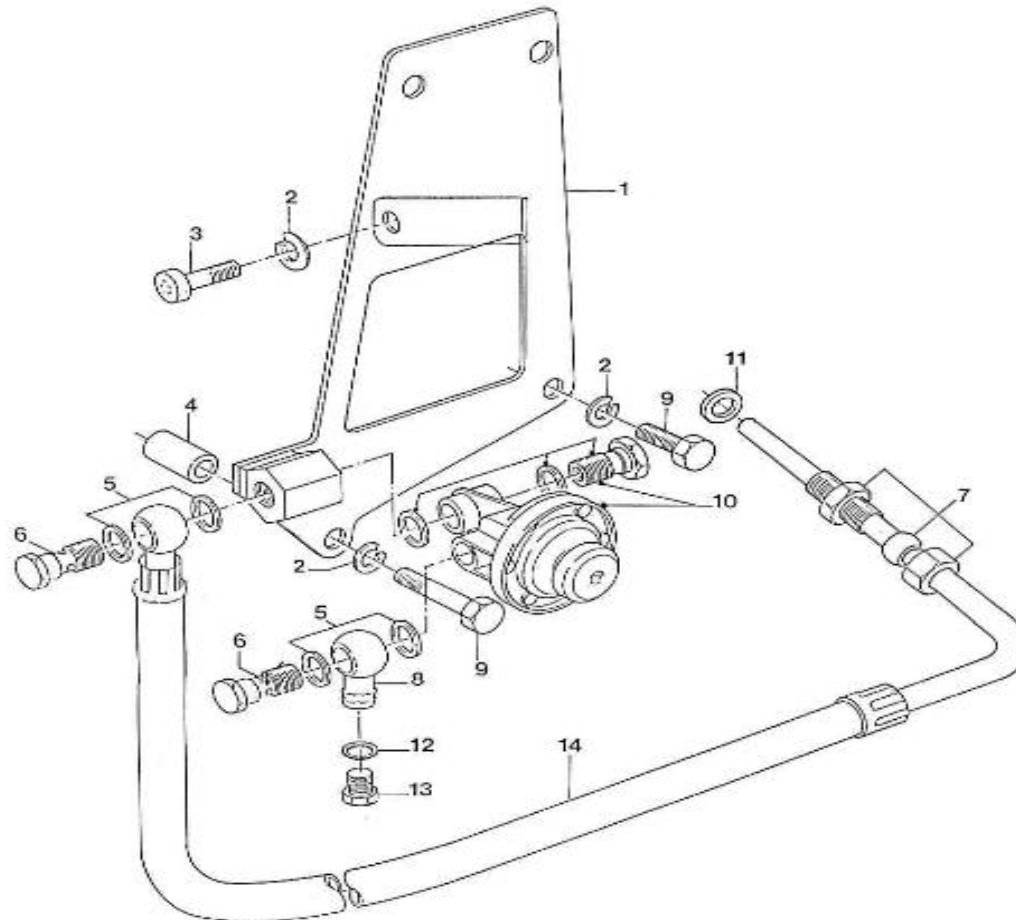
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Oil extraction pump



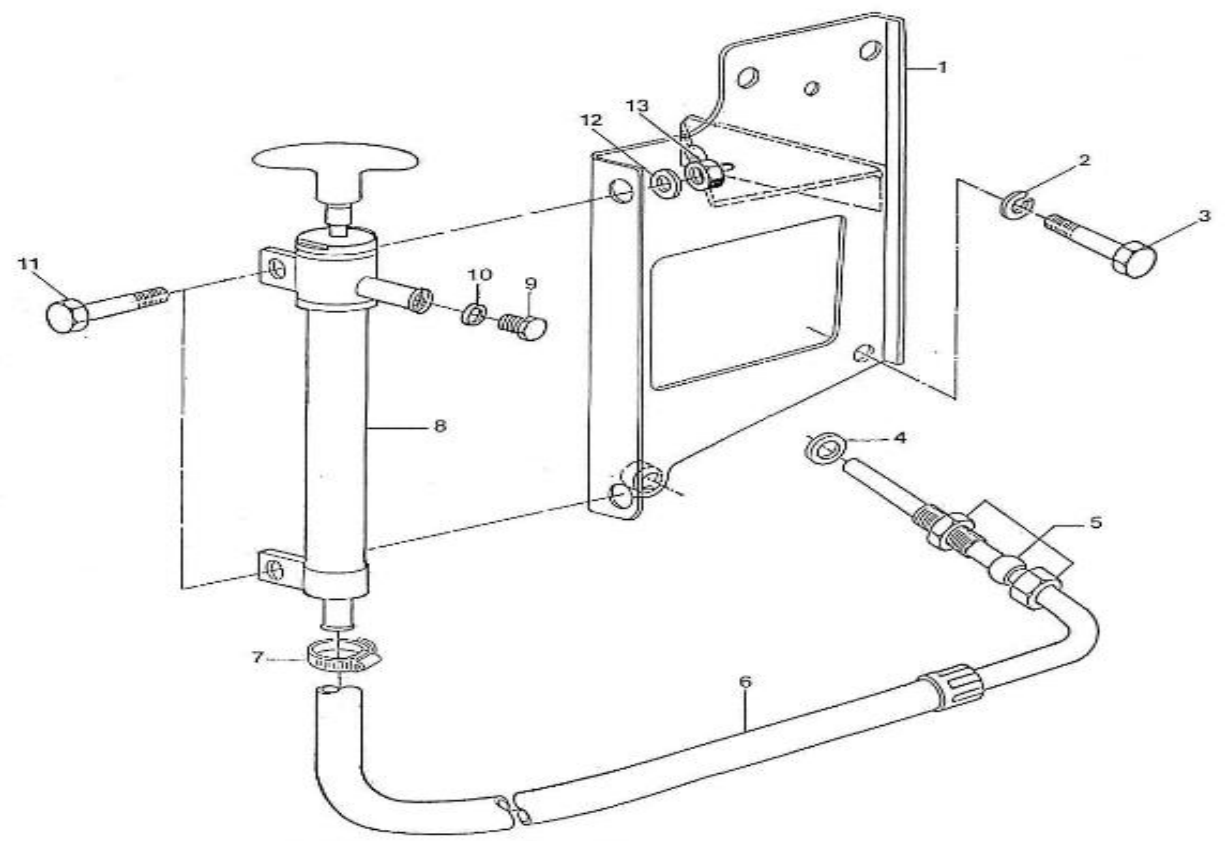
N.	Item	Description	Qty	Notes
1	970301727	SUPPORT,MAINBOX-FUEL FILTER 4.	1	
2	970119138	WASHER,SPRING D 8 (TENDEUR)	3	
3	970498003	BOLT,SOCK M 8X 25 (POUBELLE)	1	
4	970300375	SPACER	1	
5	970300306	GASKET,RING D14 (SUR REFROID THERMO MOTA)	4	
6	970432515	BOLT,BANJO M14X1,5 (=> N°KT08090423)	2	
7	970302269	Please consult us - COUPLING,FITTING D10	1	
8	970300797	CONNECTION,BANJO D=8/M14 (=> N°KT08090423)	1	
9	970300192	BOLT,HEX M 8X 95	2	
10	970301416	PUMP,OIL EXTRACTION	1	
11	970300199	GASKET,RING D16	1	
12	970300288	GASKET,M8 (FIX TUYAU GRAISSAGE)	1	
13	970832061	BOLT	1	
14	970302421	HOSE,OILEXTRACTION 4.190 CPL	1	

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Brand: NanniDiesel
Model: Moteur 4.190HE
Version: Standard
Subassembly: Oil extraction pump

N.	Item	Description	Qty	Notes
1	970302677	SUPP.FUELFILTER-OILEXTR.4.190,	1	
2	970119138	WASHER,SPRING D 8 (TENDEUR)	3	
3	970301280	BOLT,HEX M 8X 90	2	
4	970300199	GASKET,RING D16	1	
5	970302269	Please consult us - COUPLING,FITTING D10	1	
6	970304102	DRAIN OIL PIPE	1	
7	970439306	CLAMP (++)POUR DURITE ORIGINE REF HUILE MOTEUR)	1	
8	970439302	PUMP,OIL EXTRACTION	1	
9	970832061	BOLT	1	
10	970300288	GASKET,M8 (FIX TUYAU GRAISSAGE)	1	
11	970439910	BOLT,HEX M 6X 16 (+++FIX.SUPPORT AG ACC)	2	
12	970119149	WASHER, SPRING D 6 (Pour protection injecteur)	2	
13	970635460	NUT,M 6	2	
15	970302530	No longer available - NUT,CONICAL	1	
16	970301092	No longer available - COLLAR,D10	1	



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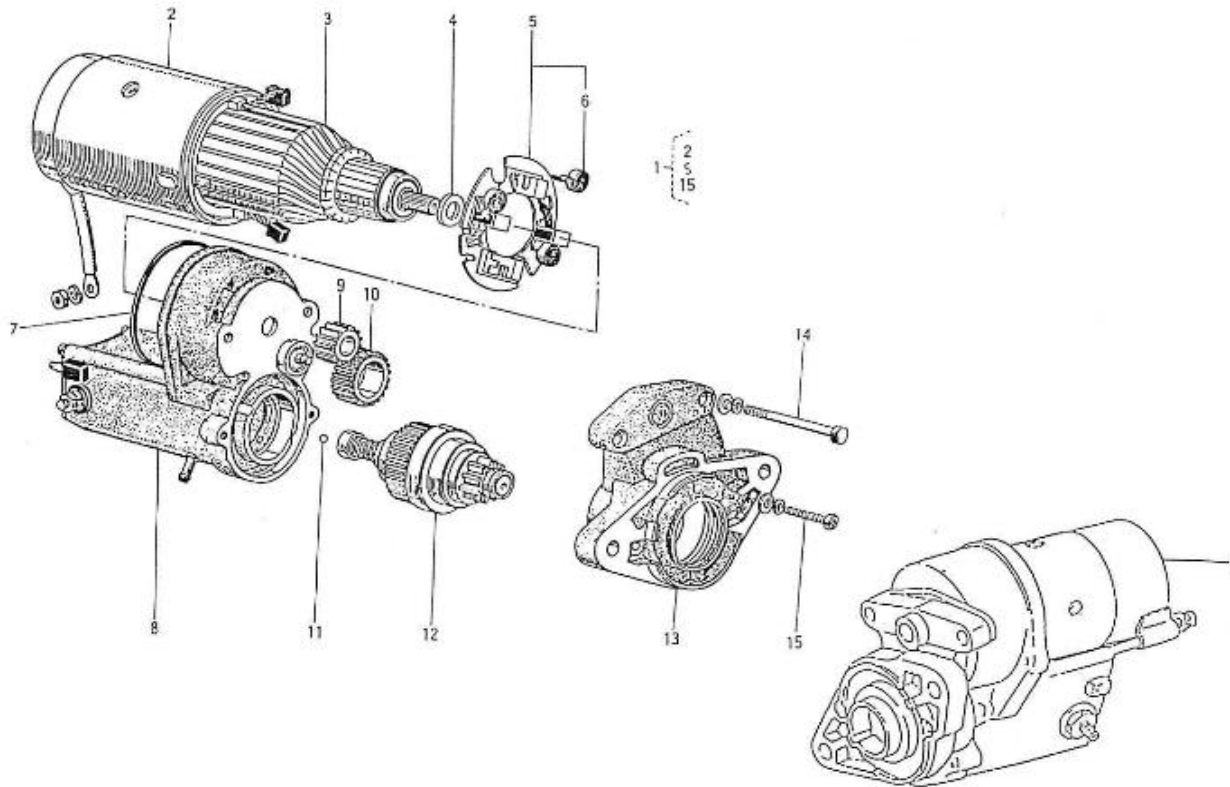
Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Starter motor

N.	Item	Description	Qty	Notes
1	970302070	STARTER,MOTOR 12V 0,8KW	1	
2	970303986	HOUSING,ROTOR	1	
3	970303987	ROTOR,STARTER 6.280	1	
4	970303988	GASKET,RING	1	
5	970303989	HOLDER,BRUSH	1	
6	970517318	SPRING,BRUSH	4	
7	970303990	GASKET	1	
8	970303991	HOLDER,MAGNETIC SWITCH	1	
9	970303992	GEAR,1	1	
10	970517313	GEAR,2 STARTER MOTOR 4.110	1	
11	970517316	BHEARING,BALL STARTER MOTOR	1	
12	970303994	PINION,SWITCH	1	
13	970303995	FRAME,DRIVE END-STARTER MOTOR	1	
14	970303996	BOLT	2	
15	970303997	SCREW	2	



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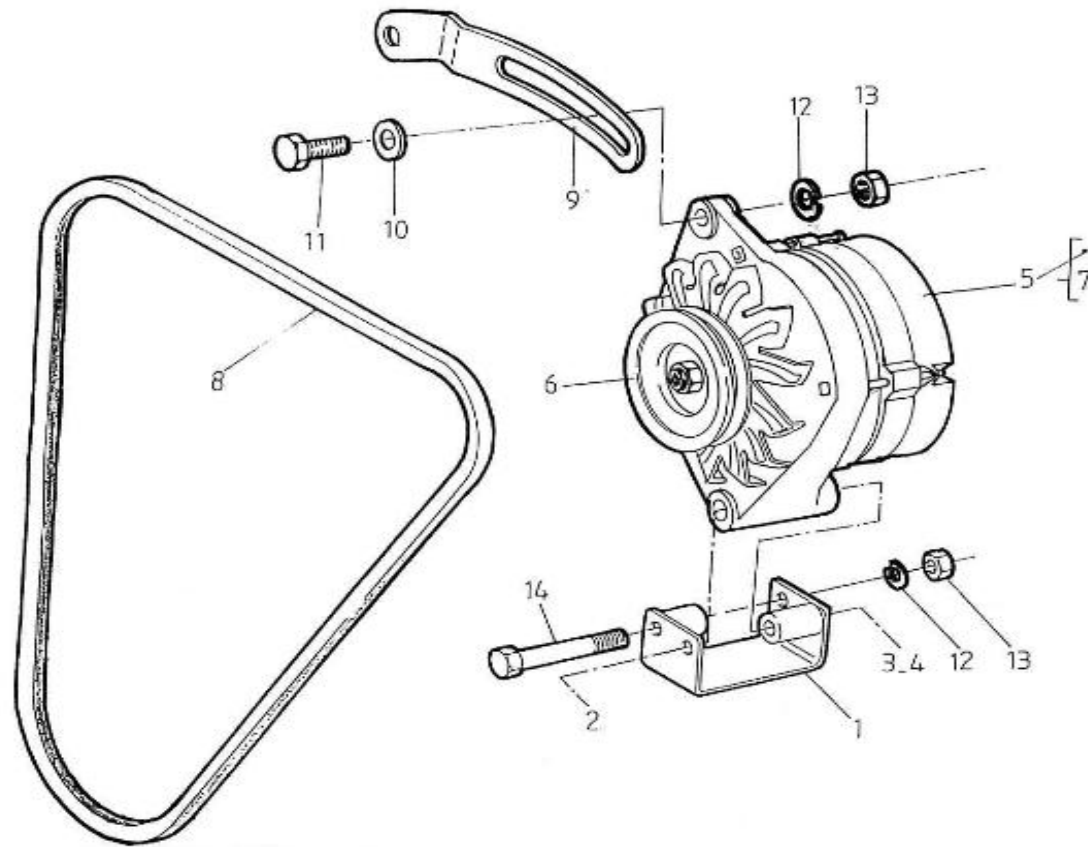
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Alternator Assy. STD

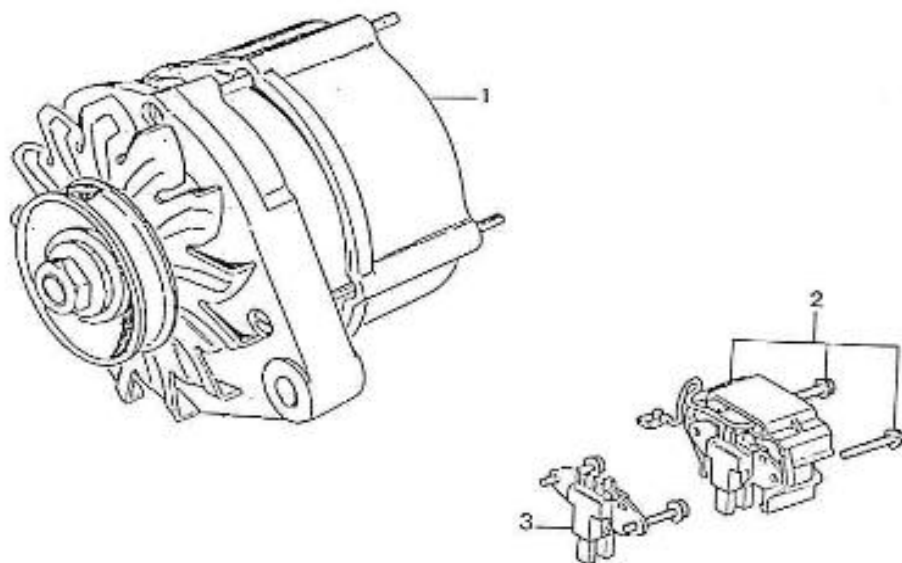


N.	Item	Description	Qty	Notes
1	970307438	SUPPORT,ALTERNATOR	1	
2	970307531	BOLT	1	
3	970039794	WASHER	1	
4	970307532	NUT (+++FIX. TOURTEAU SUR INVERSEUR)	1	
5	970307522	ALTERNATOR,14V-60A	1	
6	970307521	PULLEY	1	
7	970307533	REGULATOR,ALTERNATOR	1	
8	970301448	V-BELT,SPA 1120 LW	1	
9	970307437	TIGHTENER,V-BELT	1	
10	970304050	WASHER	1	
11	970024016	BOLT,HEX M 8X 40 (+++ FIX . PTO)	1	
12	970119138	WASHER,SPRING D 8 (TENDEUR)	2	
13	970027322	NUT,M 8 (++ECROU FIL DEMARREUR)	2	
14	970607384	BOLT,HEX M 8X 110	1	

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Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.190HE	1	970437500	No longer available - ALTERNATOR,14V-55A MOTOROLA	1	
Version: Standard	2	970301763	REGULATOR,ALTERNATOR 14V-55A	1	
Subassembly: Alternator spare part	3	970301698	No Longer Available - HOLDER,CARBON BRUSH 14/28V-45/	1	



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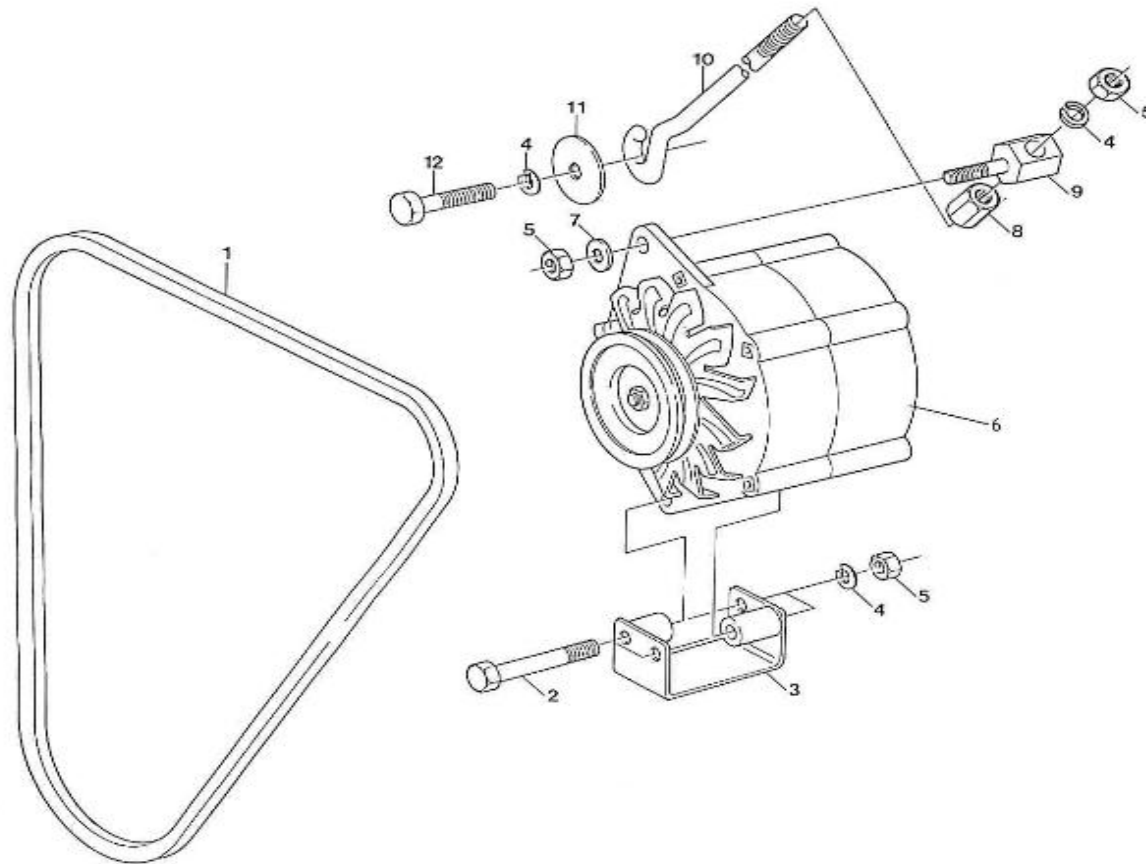
Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Alternator Assy.Std.

N.	Item	Description	Qty	Notes
1	970301448	V-BELT,SPA 1120 LW	1	
2	970607384	BOLT,HEX M 8X 110	2	
3	970301720	No Longer Available - SUPPORT,ALTERNATOR 4.190	1	
4	970119138	WASHER,SPRING D 8 (TENDEUR)	3	
5	970027322	NUT,M 8 (++ECROU FIL DEMARREUR)	4	
6	970437500	No longer available - ALTERNATOR,14V-55A MOTOROLA	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	39620405	WASHER (+++ FIX COUDE ECHAP)	1	
12	39160312	BOLT (+++ FIX. TENDEUR)	1	



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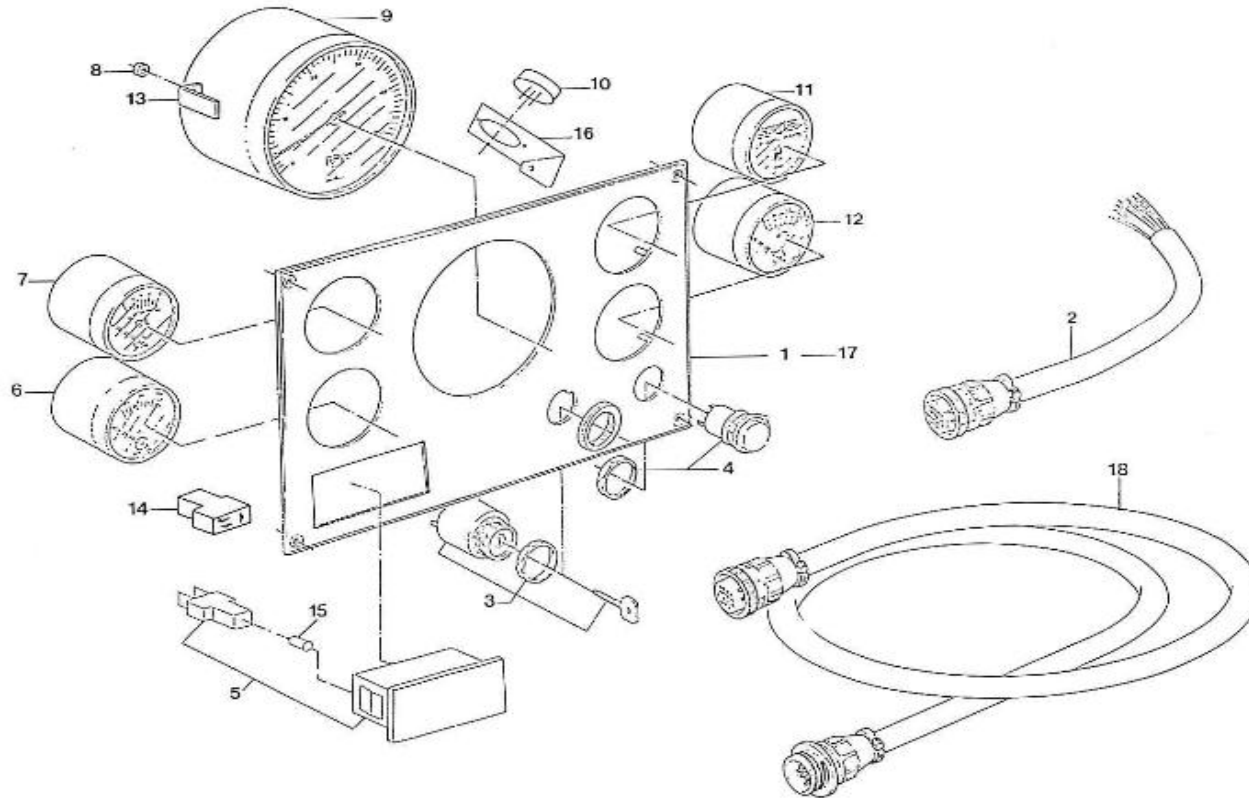
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Instrument panel LXP



N.	Item	Description	Qty	Notes
1	970300790	No longer available - PLATE,PANEL 5 INSTRUMENTS VDO	1	
2	970300969	No Longer Available - WIRING,PANEL 300941	1	
3	970300968	SWITCH,BOSCH,STARTER	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	970300910	GAUGE,VDO,TACH,3000,W	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	No longer available	1	
17	970300054	PANEL,5 INSTRUMENTS 12V CPL.VD	1	
18	970300944	WIRING,INTERMEDIATE (4 MTR)	1	

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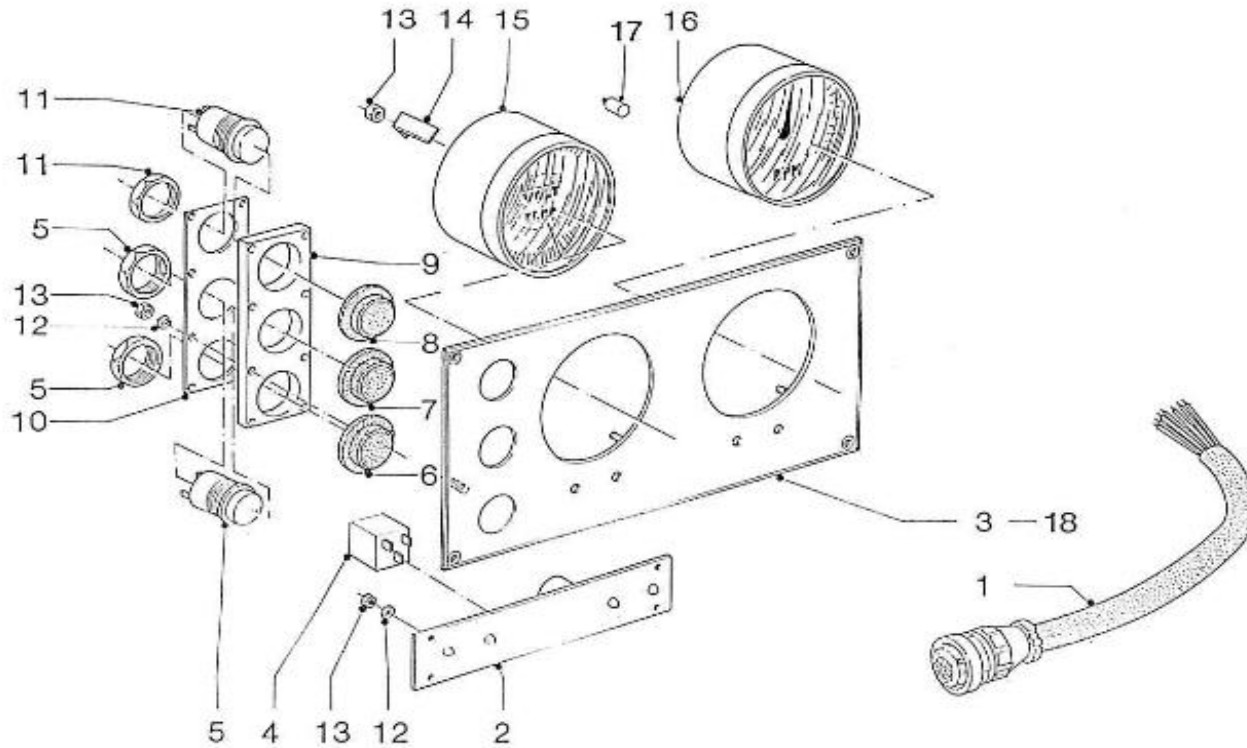
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Instrument panel



N.	Item	Description	Qty	Notes
1	970301586	No longer available	1	
2	970301712	No longer available	1	
3	970301697	No longer available	1	
4	970301846	RELAIS,12V-30A	1	
5	970301576	BUTTON,PUSH -STOP/GLOW-	1	
6	970301737	No longer available	1	
7	970301573	No longer available	1	
8	970301574	No longer available	1	
9	970301738	No longer available	1	
10	970301739	No longer available	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	8	
15	970301662	GAUGE,VDO,TEMP/VOLT 40-120,8-1	1	
16	970301642	No longer available - GAUGE,VDO,TACH,4000 12-24V 2P	1	
17	970856011	BULB 12V-2W	1	
18	970301550	PANEL,2 INSTRUMENTS 12V CPL VD	1	

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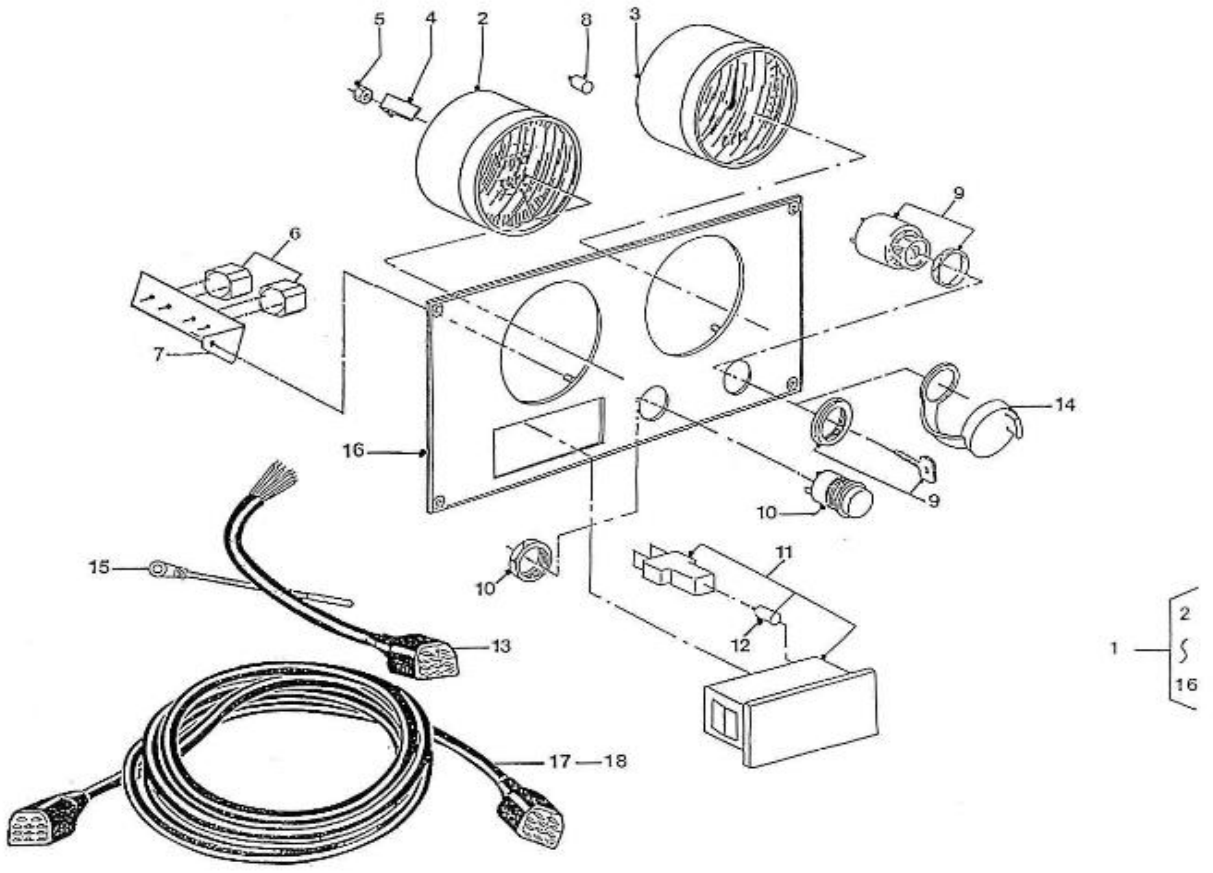
Brand: NanniDiesel

Model: Moteur 4.190HE

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	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 (TOTAL 12M)	1	



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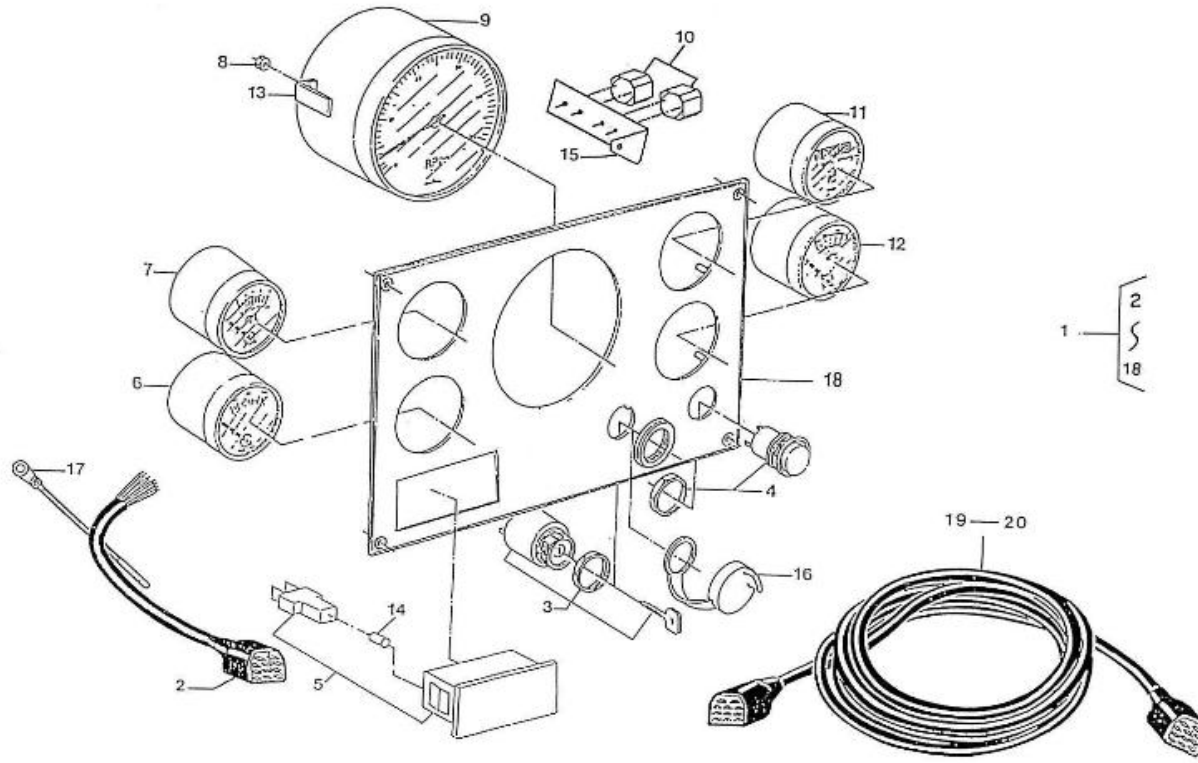
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Panel 5 instruments



PANEL "C" (Optional équipement)

N.	Item	Description	Qty	Notes
1	674349	PANEL,1 INSTR.TACHO CPL 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	

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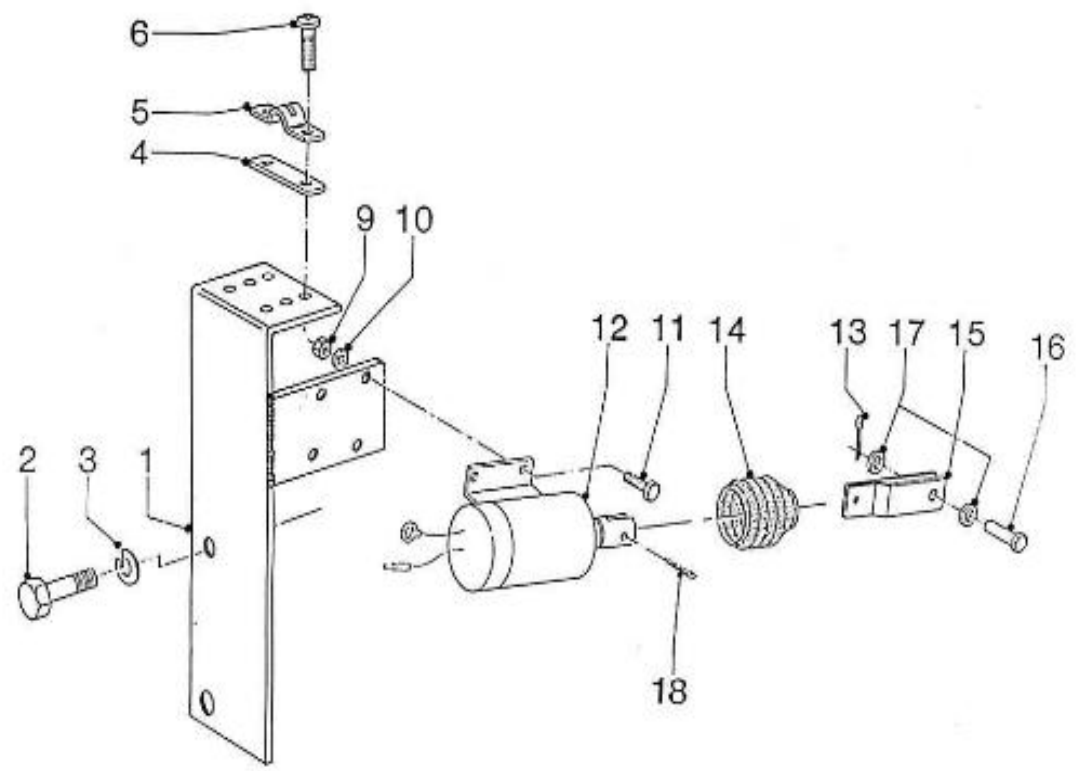
Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Electric stop

N.	Item	Description	Qty	Notes
1	970301728	SUPPORT,ACC.STOP CONTROL 4.190	1	
2	970302067	BOLT,M10X 70	2	
3	970302068	WASHER,SPRING D10	2	
4	QCC33014TF	COUNTER PLATE 33/43C	1	
5	QCC33010TF	THREADING COLLAR JACKET 33C	1	
6	970300317	BOLT,HEX M 5X 16	2	
9	970301882	No longer available	4	
10	970301883	No longer available	4	
11	970301881	No longer available	4	
12	970301580	SOLENOID,12V 4.190	1	
13	970635106	PIN,COTTER 2X20 SST	1	
14	970302157	BELLOWS,STOP SOLENOID	1	
15	970301579	LEVER,STOP 4.190	1	
16	970635253	PIN,ELEC STOP FORK	1	
17	970635459	WASHER,PLAIN D 6 (CALAGE)	2	
18	970302265	PIN,COTTER 3,2X20	1	



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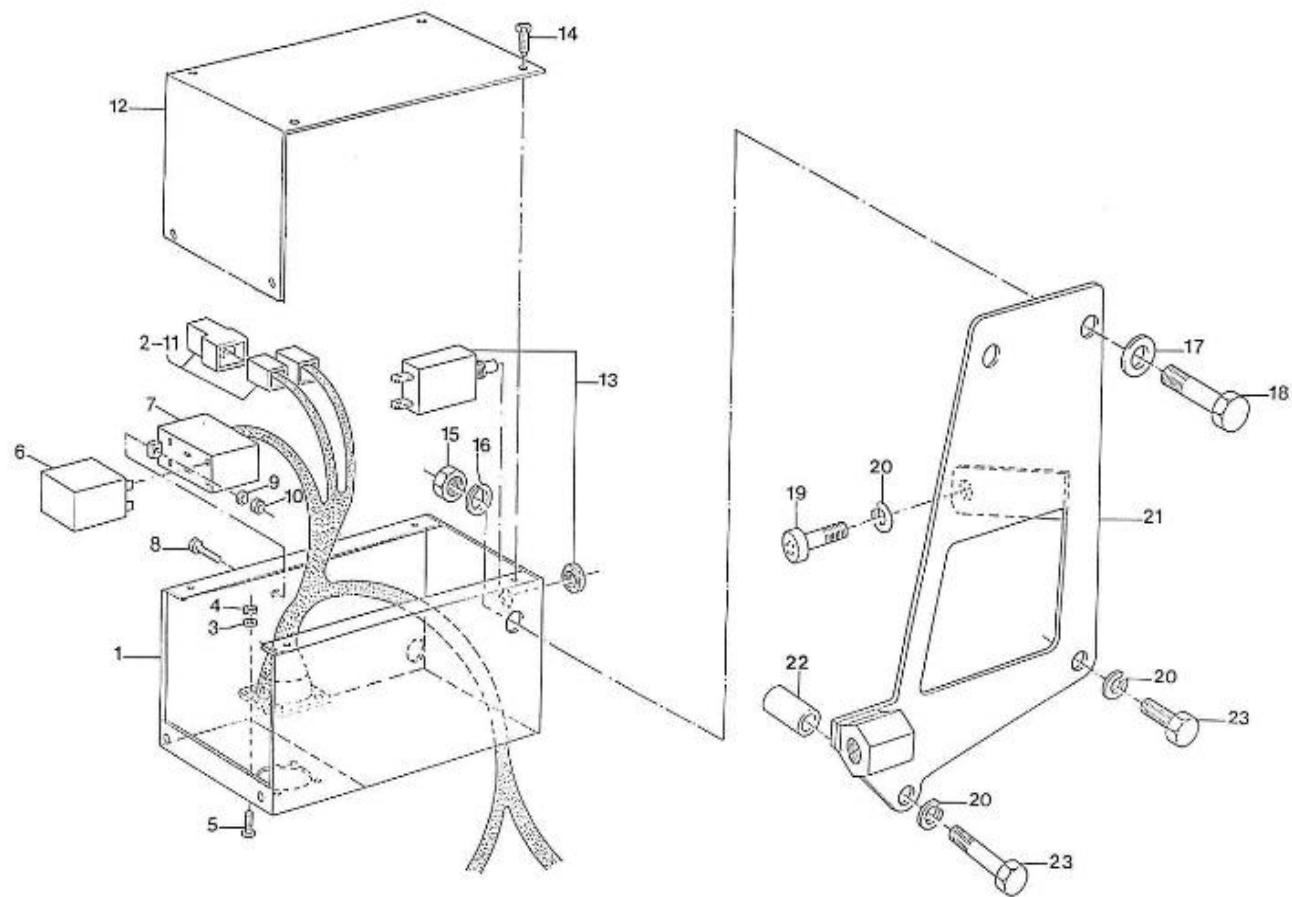
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Electric mainbox



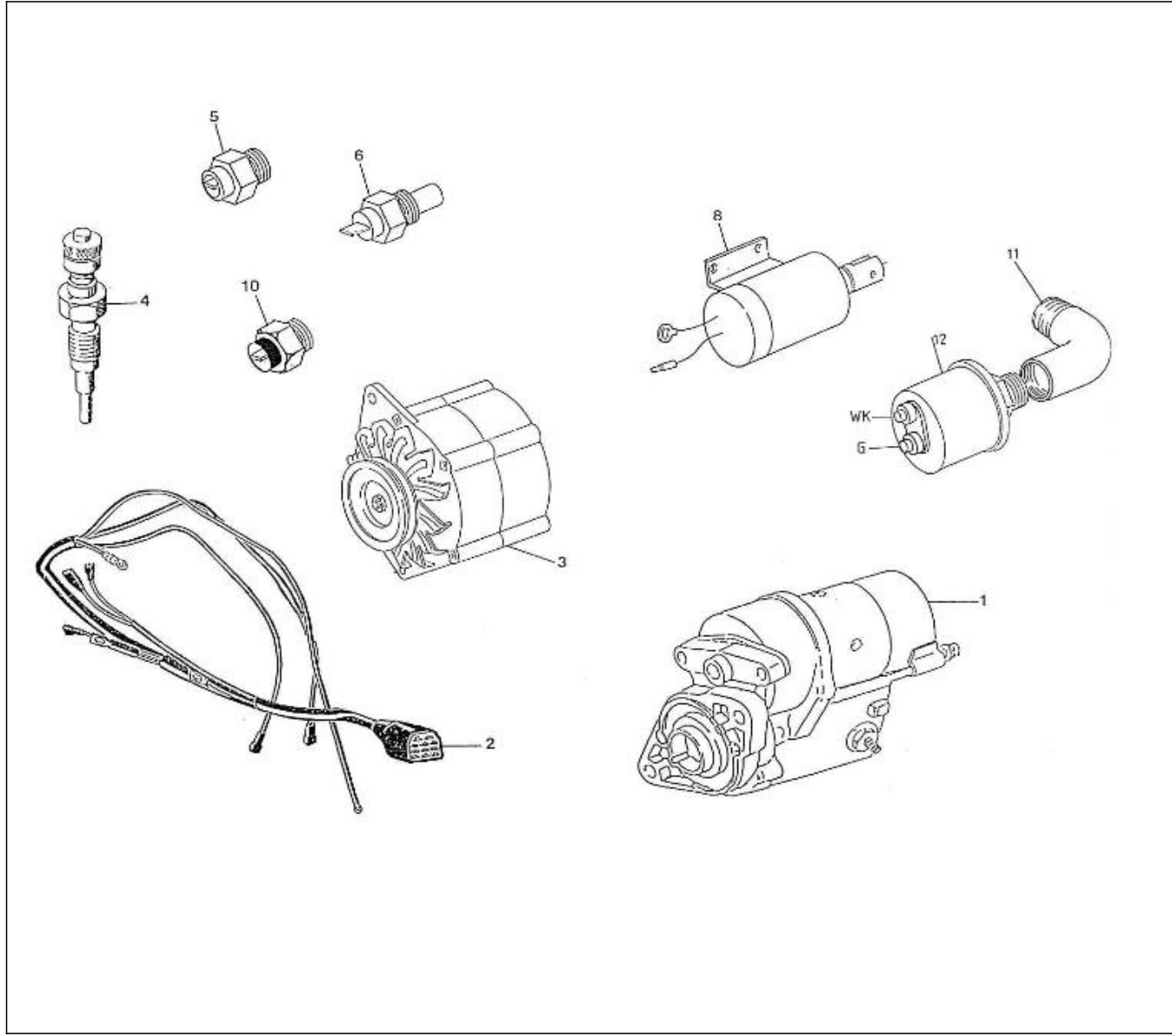
N.	Item	Description	Qty	Notes
1	970307424	HOSE (+++RECOUPER+++)	1	
2	970301845	WIRING,ENGINE KUBOTA SERIES	1	
3	970301192	WASHER,PLAIN D 4	4	
4	970301117	No longer available	4	
5	970301539	No longer available	4	
6	970302150	RELAIS,AUTO TIMER GLOWPLUG 12V	1	
7	970302168	No longer available	1	
8	970302420	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- (+++POUR MODIF CAB	2	
12	970301724	No longer available	1	
13	970300962	No longer available	1	
14	970301191	NUT,M 4 A2	6	
15	970119143	NUT, M10	2	
16	970119136	WASHER,SPRING D10 (POUR INVERSEUR)	2	
17	970119135	WASHER,PLAIN D10 (DONT DEUX POUR CALAGE GALET	2	
18	970644008	BOLT,HEX M10X 35 (+++POUR MONTAGE FLASQUE)	2	
19	970498003	BOLT,SOCK M 8X 25 (POUBELLE)	1	
20	970119138	WASHER,SPRING D 8 (TENDEUR)	3	
21	970301727	SUPPORT,MAINBOX-FUEL FILTER 4.	1	
22	970300375	SPACER	1	
23	970300192	BOLT,HEX M 8X 95	2	

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Brand: NanniDiesel
Model: Moteur 4.190HE
Version: Standard
Subassembly: Electrics

N.	Item	Description	Qty	Notes
1	970302070	STARTER,MOTOR 12V 0,8KW	1	
2	970302661D	WIRING (+++++LE 01/02/05 A PARTIR DU N°222312)	1	
3	970437500	No longer available - ALTERNATOR,14V-55A MOTOROLA	1	
4	970302082	GLOWPLUG,4.190	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 (+++MONTAGE ALERTE HUILE)	1	
12	48201143	OIL PRESSURE SENDER (Remplace 307091 à partir du T511050112)	1	



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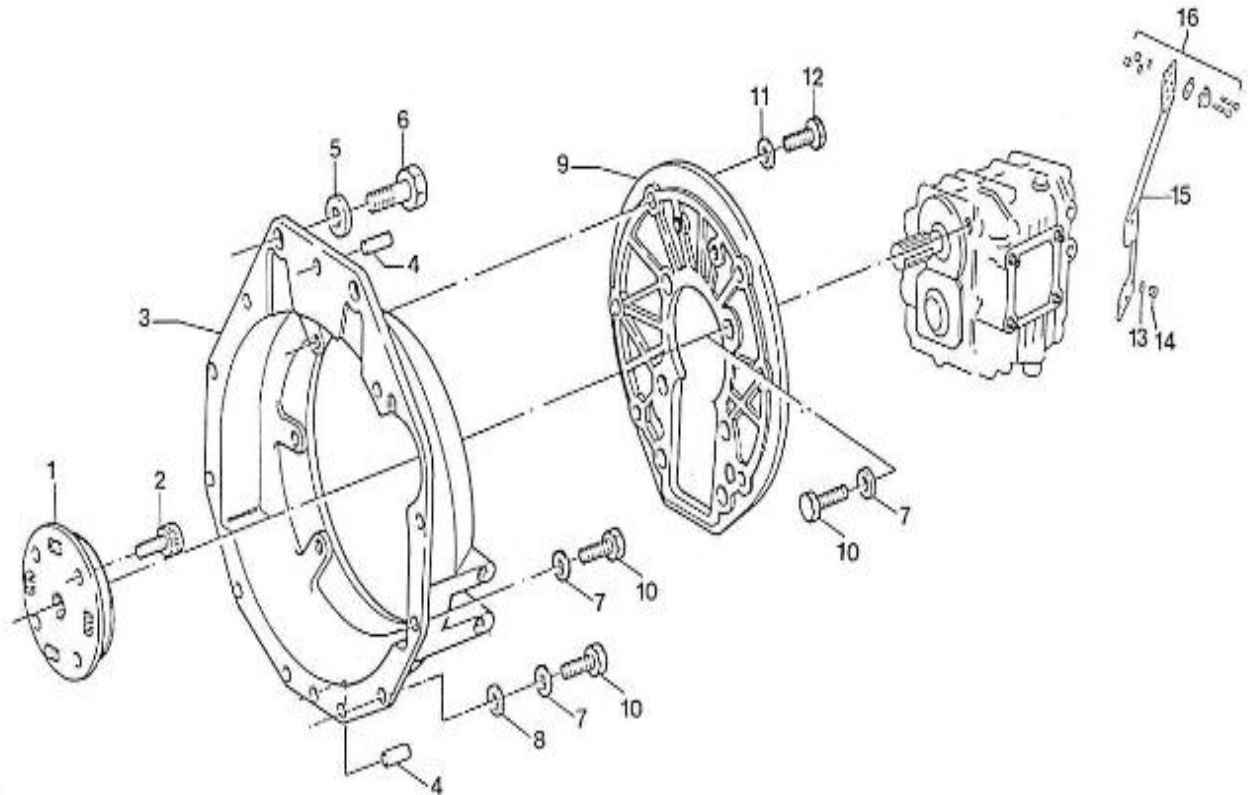
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Brand: NanniDiesel

Model: Moteur 4.190HE

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	970301628	HOUSING,FLYWHEEL 4.190	1	
4	970302149	PIN,CYLINDRICAL D10X 20	2	
5	970647606	WASHER,CORRUGATED D12 (POUR POULIE DP 240	2	
6	970301736	BOLT,HEX M12X1,25X 30 (++) FIX . SUPPORT)	2	
7	970119139	WASHER,CORRUGATED D8 (DONT 3 PTO)	16	
8	970119138	WASHER,SPRING D 8 (TENDEUR)	2	
9	970301709	PLATE,ADAPTOR HBW50-100-150	1	
10	970119141	BOLT,HEX M8X 20 (++)FIX. SUPPORT COLLIER SUR	16	
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	

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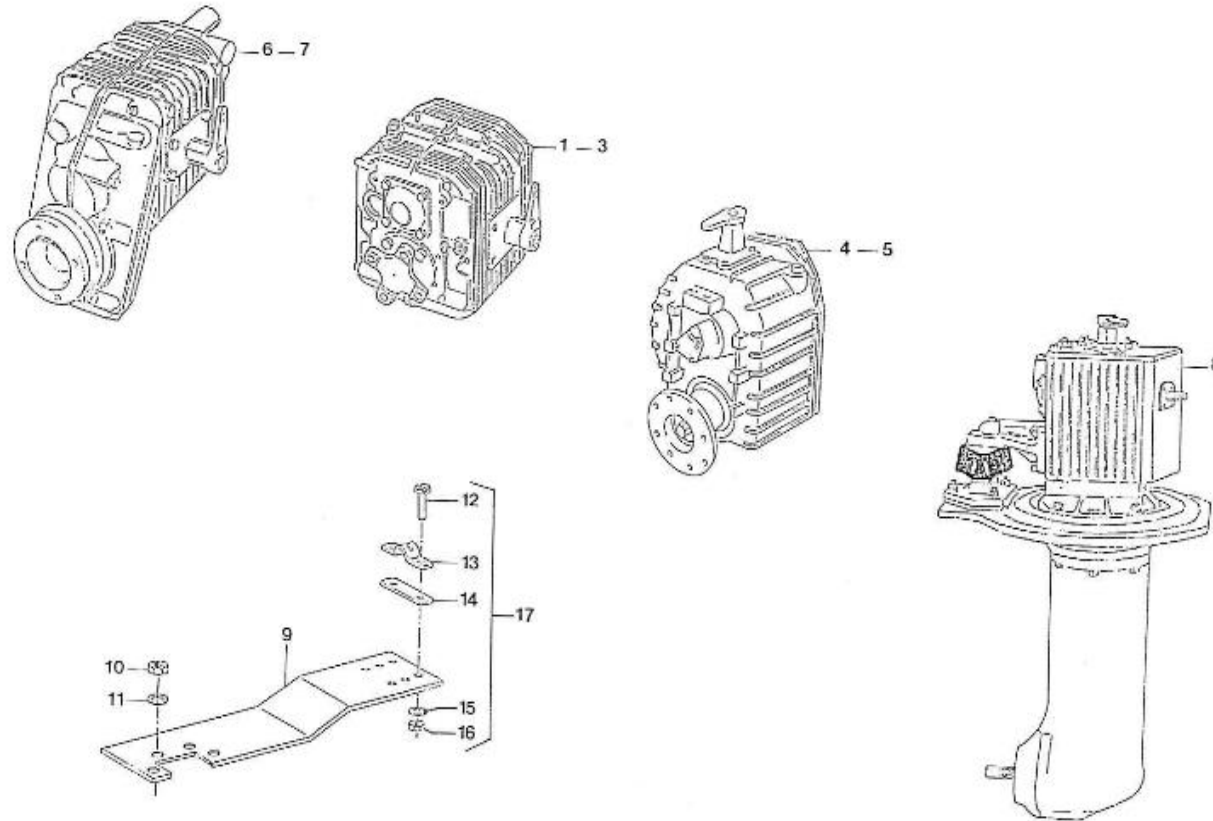
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Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Reversing gear



N.	Item	Description	Qty	Notes
1	916103214	INV. ZF10 M - R2.04/1	1	
2	970776330	GEARBOX	1	
3	970307530	GEARBOX	1	
4	970776343	GEARBOX	1	
5	970776342	GEARBOX	1	
6	970776340	GEARBOX	1	
7	970776335	GEARBOX	1	
8	970778020	No longer available	1	
9	970300373	SUPPORT,CONTROL HBW	1	
10	970027322	NUT,M 8 (++ECROU FIL DEMARREUR)	2	
11	970119139	WASHER,CORRUGATED D8 (DONT 3 PTO)	2	
12	970300317	BOLT,HEX M 5X 16	2	
13	QCC33010TF	THREADING COLLAR JACKET 33C	1	
14	QCC33014TF	COUNTER PLATE 33/43C	1	
15	970300318	WASHER,SPRING D 5	2	
16	970609904	NUT,M 5	2	
17	970835020	CLAMP	1	

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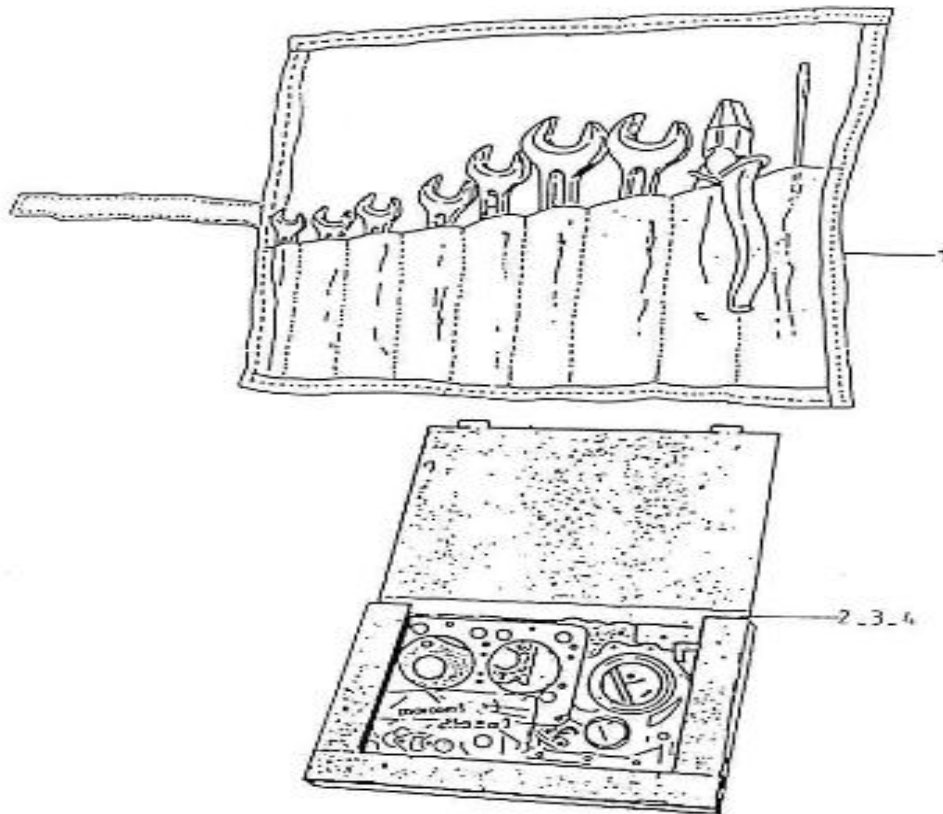
Brand: NanniDiesel

Model: Moteur 4.190HE

Version: Standard

Subassembly: Tools gasket set

N.	Item	Description	Qty	Notes
1	970609901	KIT,TOOLS	1	
2	970302472	SET,GASKET ENGINE 4.190 UPPER	1	
3	970302473	SET,GASKET ENGINE 4.190 LOWER	1	
4	970302130	SET,GASKET MARINE 4.190	1	

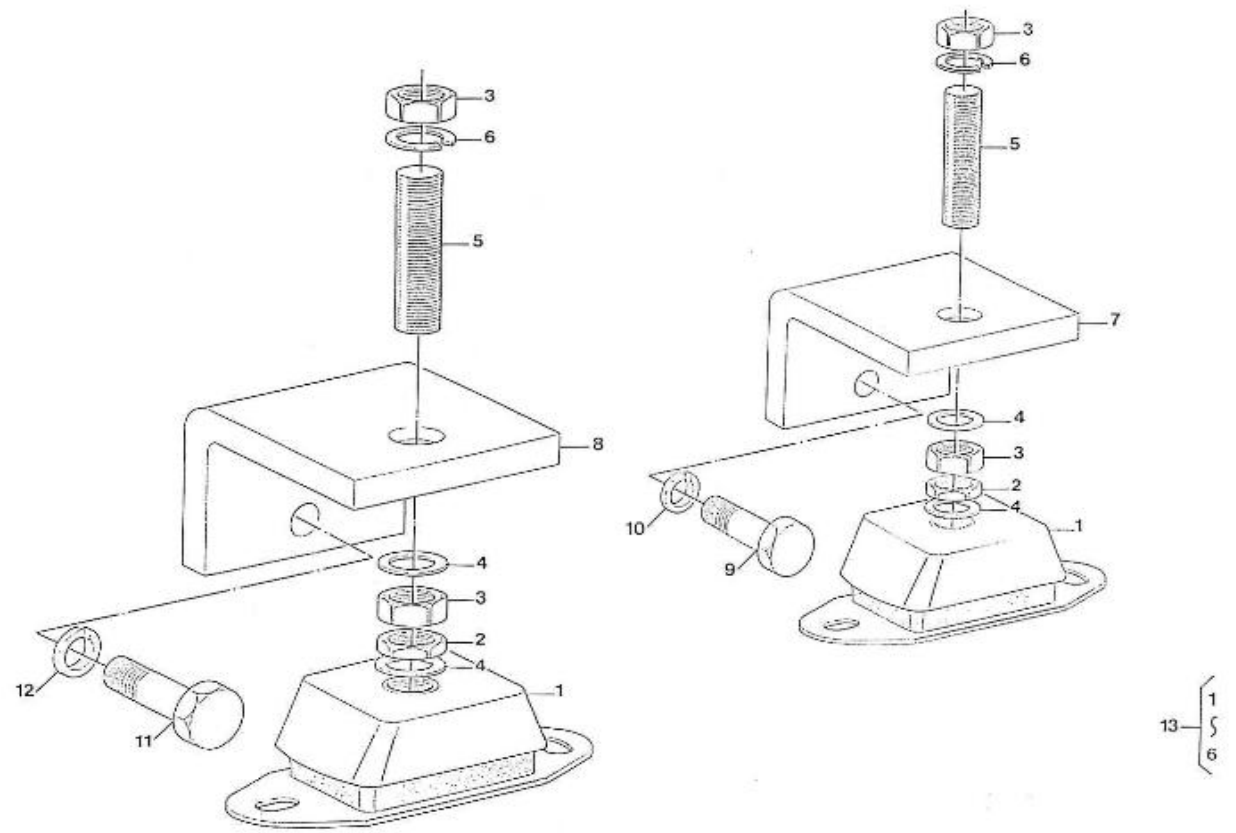


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Brand: NanniDiesel
Model: Moteur 4.190HE
Version: Standard
Subassembly: Engine mount

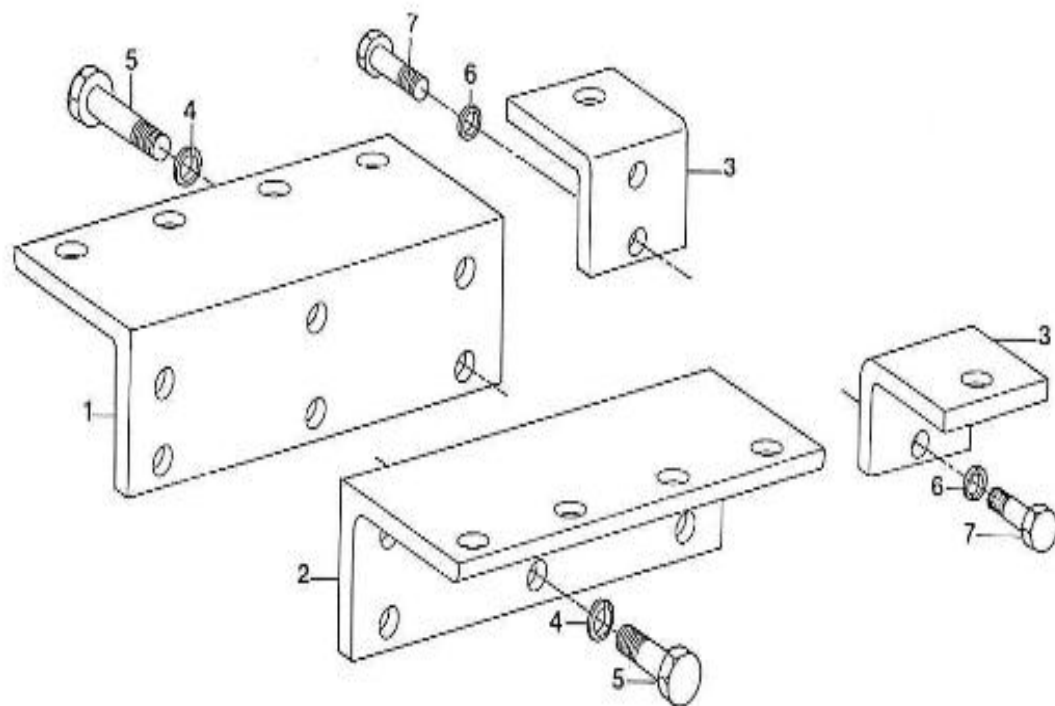
N.	Item	Description	Qty	Notes
1	970304011	MOUNT,RUBBER CPL.35 MEDIUM (+MODIF PLOT VOIR	4	
2	970639203	NUT,M16 LOW	4	
3	970896520	NUT	8	
4	970649108	WASHER,PLAIN D16	8	
5	970609116	STUD,M16X100 (TIGE D' EXTRACTION)	4	
6	970649109	WASHER,SPRING D16	4	
7	970301704	SUPPORT,MOUNT FRONT 4.190	2	
8	970301419	SUPPORT,MOUNT REAR (A supprimer. Monté sur moteur	2	
9	970499051	BOLT,HEX M10X1,25X 30 (+++ FIX . PTO)	4	
10	970119136	WASHER,SPRING D10 (POUR INVERSEUR)	4	
11	970301736	BOLT,HEX M12X1,25X 30 (+++ FIX . SUPPORT)	4	
12	970409154	WASHER,SPRING D12	4	
13	970304011	MOUNT,RUBBER CPL.35 MEDIUM (+MODIF PLOT VOIR DOC.BUREAUTQUE)	4	



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Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.190HE	1	970302525	SUPPORT,MOUNT	1	
Version: Standard	2	970302524	SUPPORT,MOUNT	1	
Subassembly: Rigid base	3	970301419	SUPPORT,MOUNT REAR (A supprimer. Monté sur moteur)	2	
	4	970409154	WASHER,SPRING D12	12	
	5	970301736	BOLT,HEX M12X1,25X 30 (+++ FIX . SUPPORT)	12	
	6	970119136	WASHER,SPRING D10 (POUR INVERSEUR)	4	
	7	970499051	BOLT,HEX M10X1,25X 30 (+++ FIX . PTO)	4	

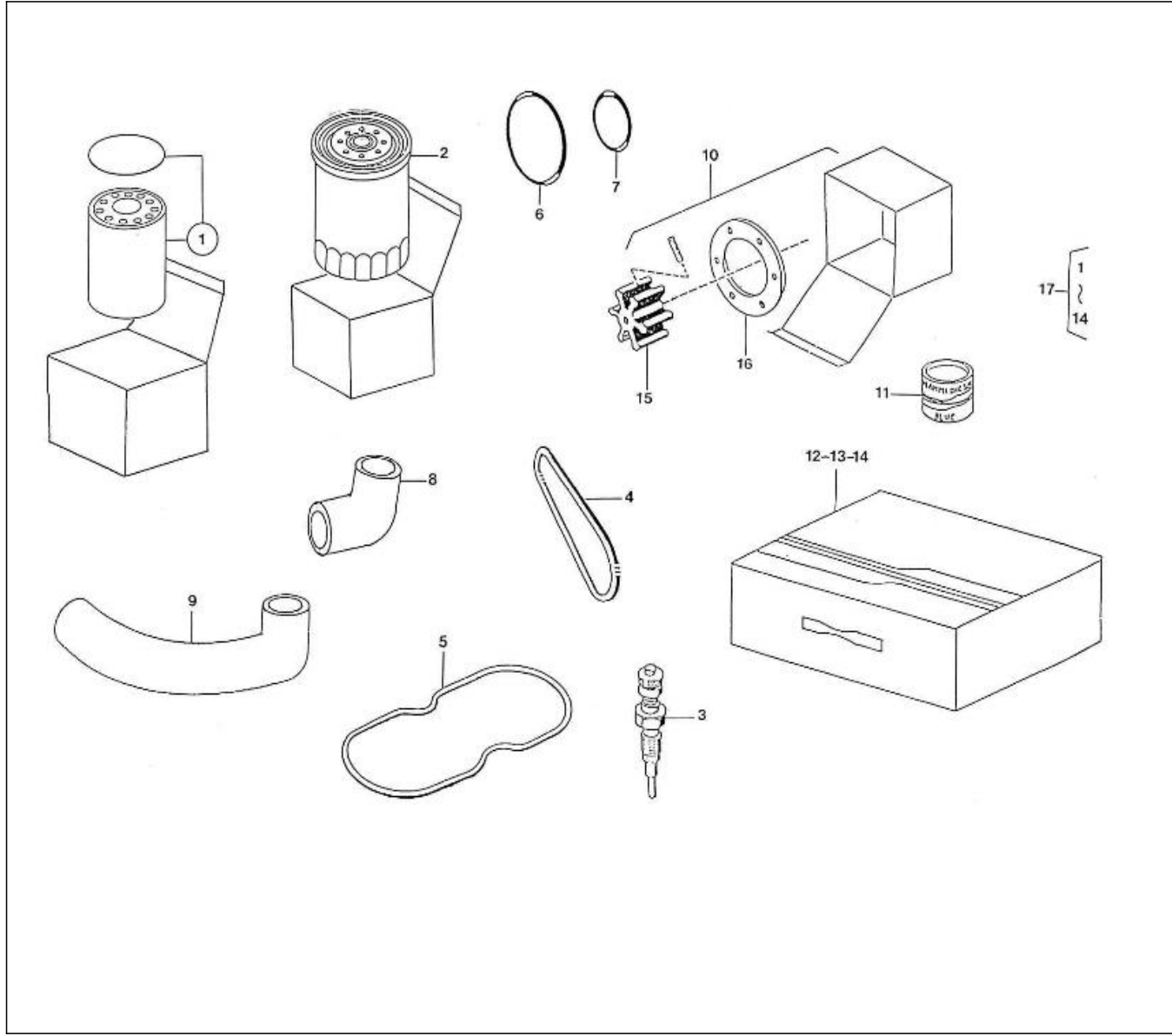


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Brand: NanniDiesel
 Model: Moteur 4.190HE
 Version: Standard
 Subassembly: Spare parts kit

N.	Item	Description	Qty	Notes
1	970622350	FILTER,FUEL	1	
2	970603003	FILTER,ELEMENT OIL 4.180/90	1	
3	970302082	GLOWPLUG,4.190	1	
4	970301448	V-BELT,SPA 1120 LW	1	
5	970301995	GASKET,COVER CYL:HEAD 4.190	1	
6	970301719	O-RING,68,00X4,00	2	
7	970154025	O-RING,28,17X3,53	1	
8	970301713	HOSE,ELBOW COVER HEATEX.4.190 (+++RETOUR MAG -	1	
9	970301718	HOSE,WATER RETURN D32-34	1	
10	970604591	SET,IMPELLER W/PUMP 4.110-190-	1	
11	970301521	PAINT,NANNI BLUE 125CC	1	
12	970310008	CASE	1	
13	970301347	INSERT,CASE	1	
14	970301348	INSERT,CASE BOTTOM	1	
15	970604530	IMPELLER,WATER PUMP F 5B/-9	1	
16	970604529	GASKET,F5B	1	
17	970302131	CASE,SPARE PARTS CPL.4.190HE	1	



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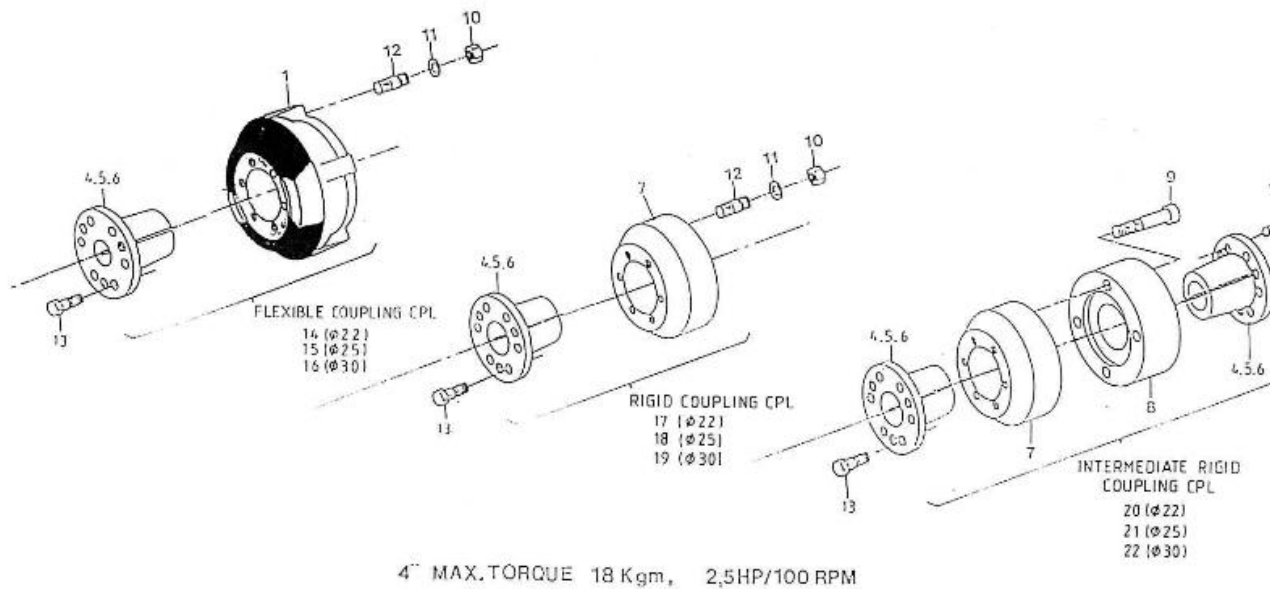
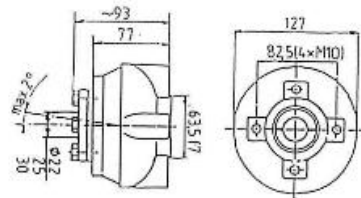
Brand: NanniDiesel

Model: Moteur 4.190HE

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	970307192	SET OF GASKETS	1	



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