

# SPARE PARTS CATALOGUE

Brand: NANNI DIESEL

Model: Moteur N3.21

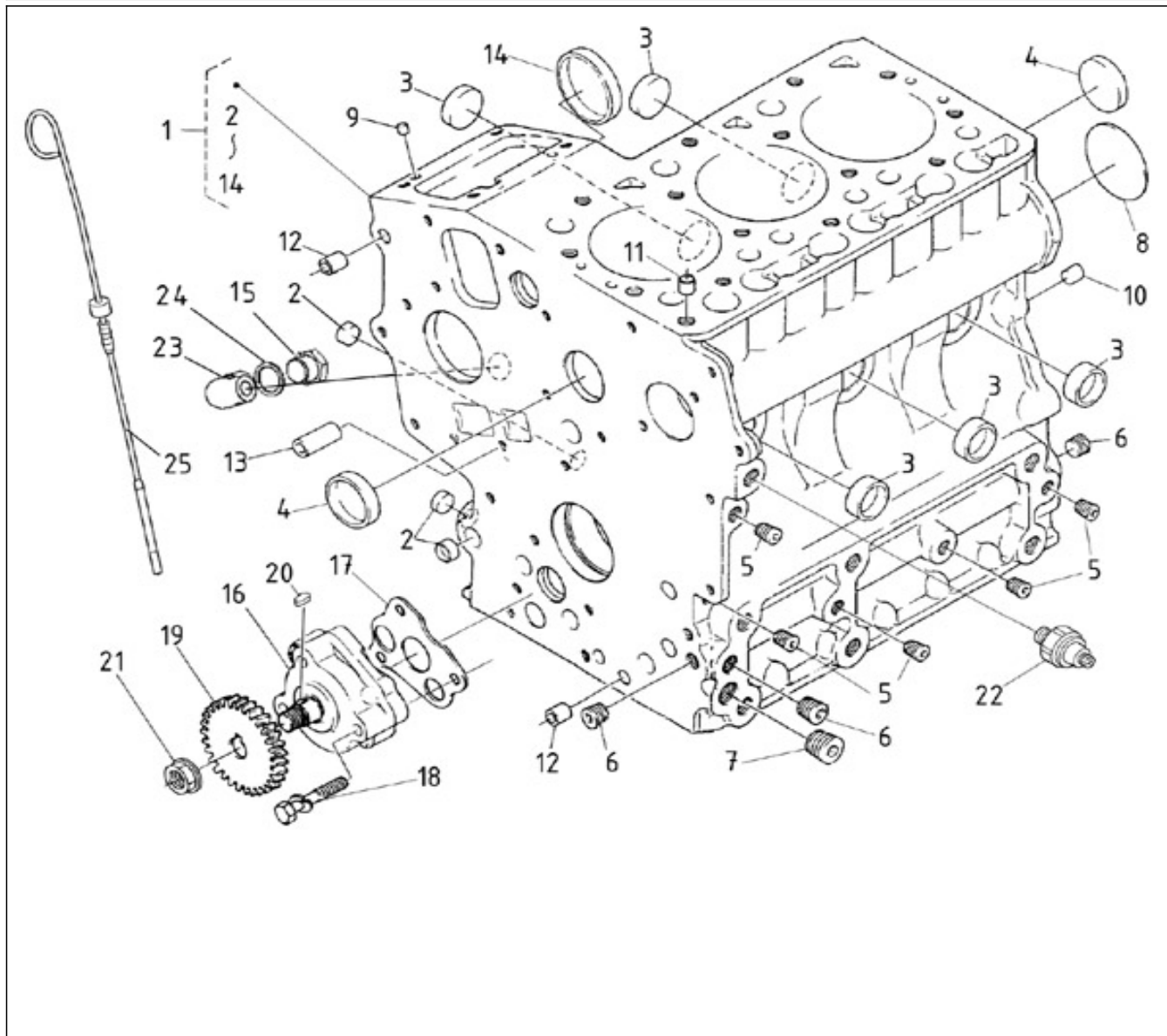
Version: Standard

Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Crank case / Cylinders



N.	Item	Description	Qty	Notes
1	970314260	COMP.CRANKCASE	1	
2	970314252	CAP,SEALING	3	
3	970314253	CAP,SEALING	5	
4	970140104	CAP, FREEZE	2	
5	970140908	PLUG, CYL.HEAD 2.40	5	
6	970490108	PLUG,SOCK	3	
7	970490109	PLUG,SOCK	1	
8	970307457	PLUG,EXPANSION	1	
9	970140109	PIN, CYLINDRICAL	2	
10	970490111	PIN,CYLINDRICAL	2	
11	970490112	PIN,PIPE	1	
12	970490113	PIN,PIPE	2	
13	970140108	PIN, PIPE	2	
14	970307458	COVER,CYL.HEAD	1	
15	970632522	"PLUG,HEX 1/4""G"	1	
16	970143114	PUMP,OIL CPL.	1	
17	970143115	GASKET,OIL PUMP	1	
18	970143116	BOLT	3	
19	970143117	GEAR,OIL PUMP DRIVE 2. 40	1	
20	970143118	KEY,FEATHER	1	
21	970307460	NUT,FLANGE	1	
22	970851700	SWITCH,OIL	1	
23	970307267	ELBOW	1	
24	970307197	GASKET	1	
25	970307462	GAUGE,OIL	1	

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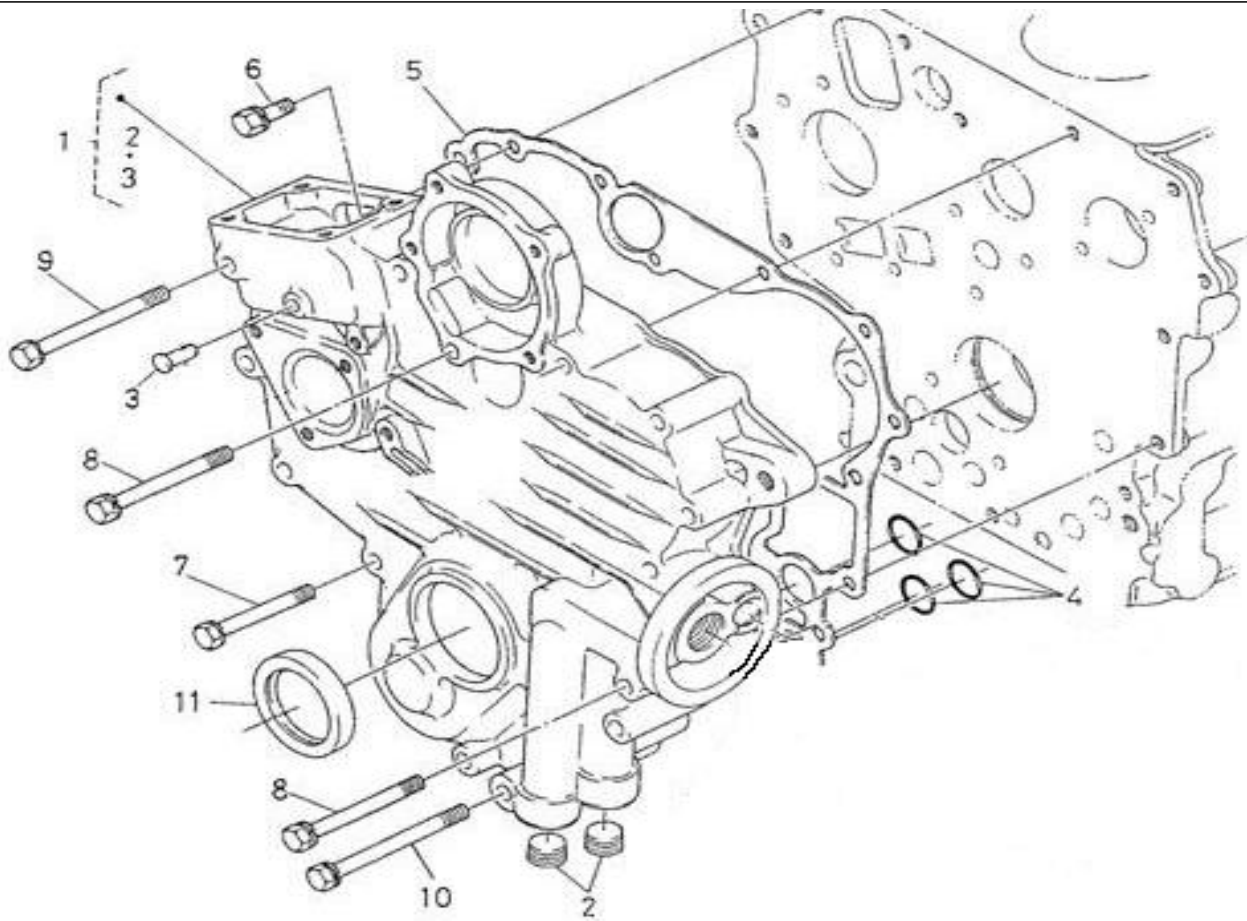
Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Timing case

N.	Item	Description	Qty	Notes
1	970307619	COMP CASE,GEAR	1	
2	970490109	PLUG,SOCK	2	
3	970140204	PIN, TIMING COVER 2.40	1	
4	970313349	O RING (JUSQU'AU N°KTC08050772 )	3	JUSQU'AU N°KTC08050772
5	970140205	GASKET, TIMING CASE 2.40 (JUSQU'AU N°KTC08050772 )	1	JUSQU'AU N°KTC08050772
5	970315047	GASKET,GEAR CASE NA (A PARTIR DU N°KTC08050772 )	1	A PARTIR DU N°KTC08050772
6	970490119	BOLT,M 6X 18	1	
7	970302737	BOLT,M 6X 50 (A PARTIR DU N°KTH08040183 )	10	
8	970140208	BOLT	3	
9	970307621	BOLT	1	
10	970307622	BOLT	1	
11	970307623	SEAL,OIL	1	

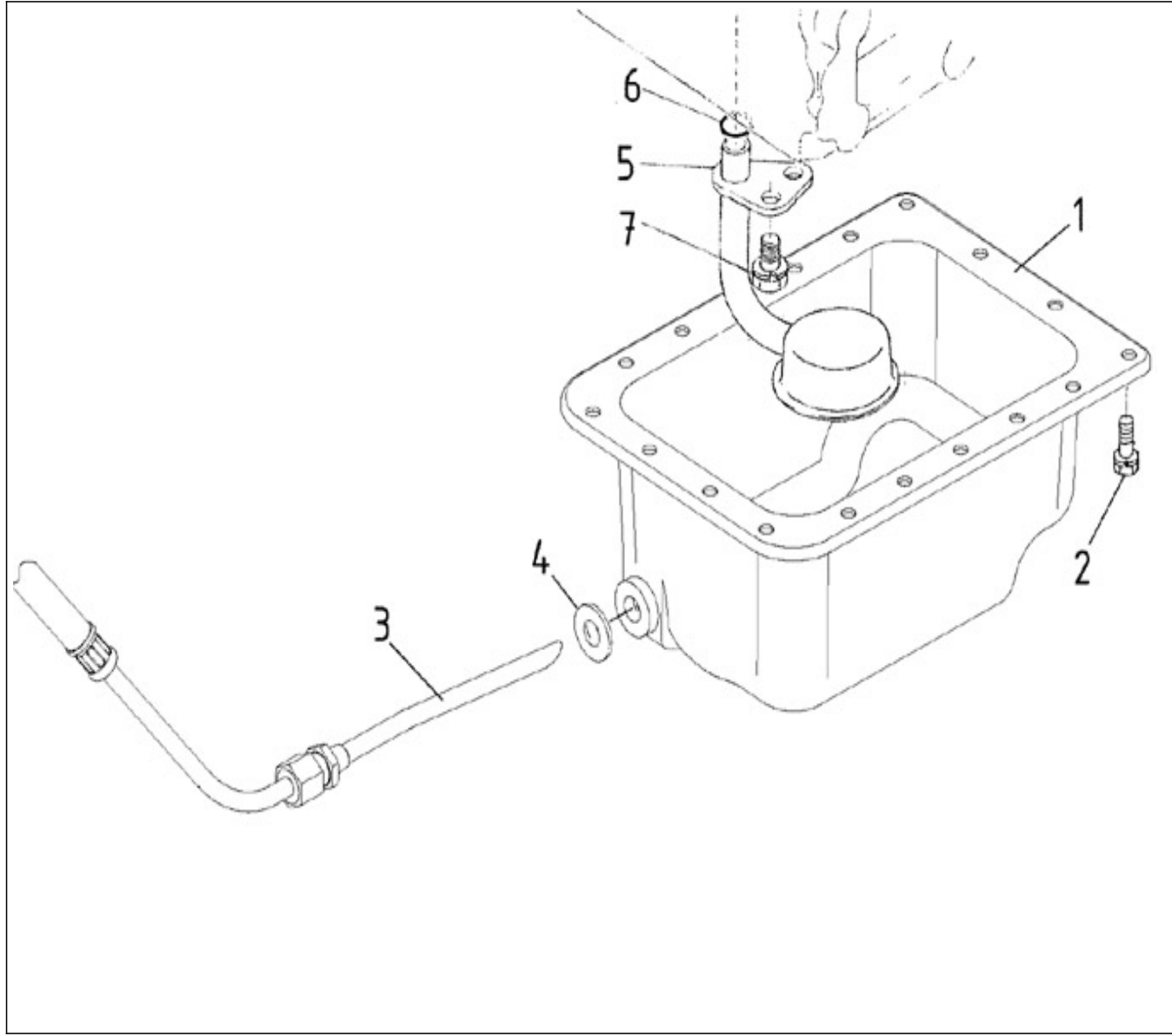


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Brand: NanniDiesel
Model: Moteur N3.21
Version: Standard
Subassembly: Oil pan

N.	Item	Description	Qty	Notes
1	970307972	PAN,OIL	1	
2	970310351	BOLT (BEFORE N°KTE08070398 )	18	
3	970313197	DRAIN OIL PIPE	1	
4	970300325	RING,SEAL D12	1	
5	970307463	FILTER 1,OIL	1	
6	970301951	O-RING	1	
7	970313311	BOLT	1	



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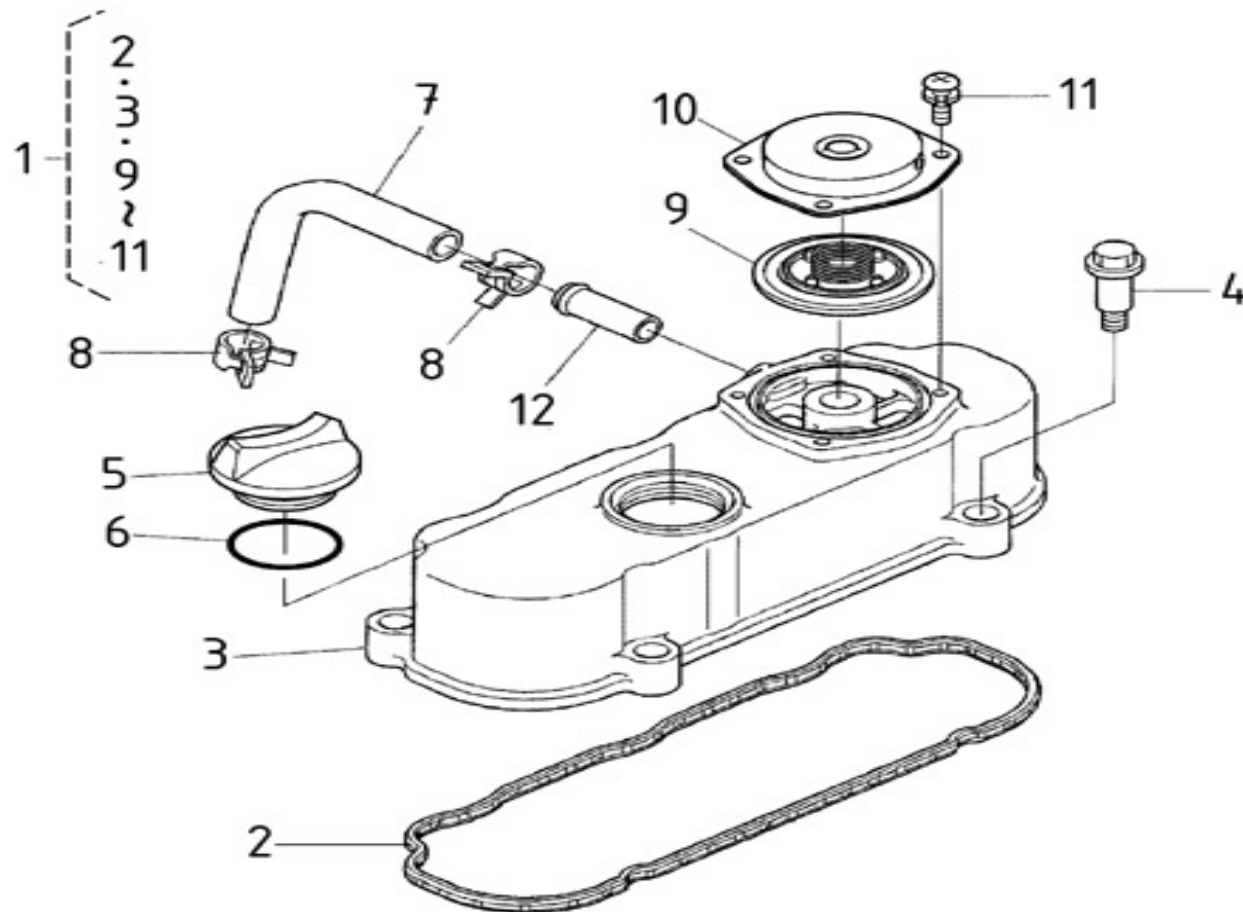
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Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Cylinder head cover



N.	Item	Description	Qty	Notes
1	970314279	ASSY COVER,CYL.HEAD	1	
2	970313220	GASKET,HEAD COVER	1	
3	970314280	COVER,CYL.HEAD	1	
4	970312975	BOLT	4	
5	970313464	PLUG	1	
6	970313804	O RING	1	
7	970313487	TUBE,BREATHER	1	
8	970313507	CLAMP,HOSE	2	
9	970313503	COMP.VALVE,BREATHER	1	
10	970313451	COVER,BREATHER	1	
11	970490307	SCREW,M 5X 10	4	
12	970307629	PIPE,WATER RETURN (BEFORE N*KTE08070398 )	1	

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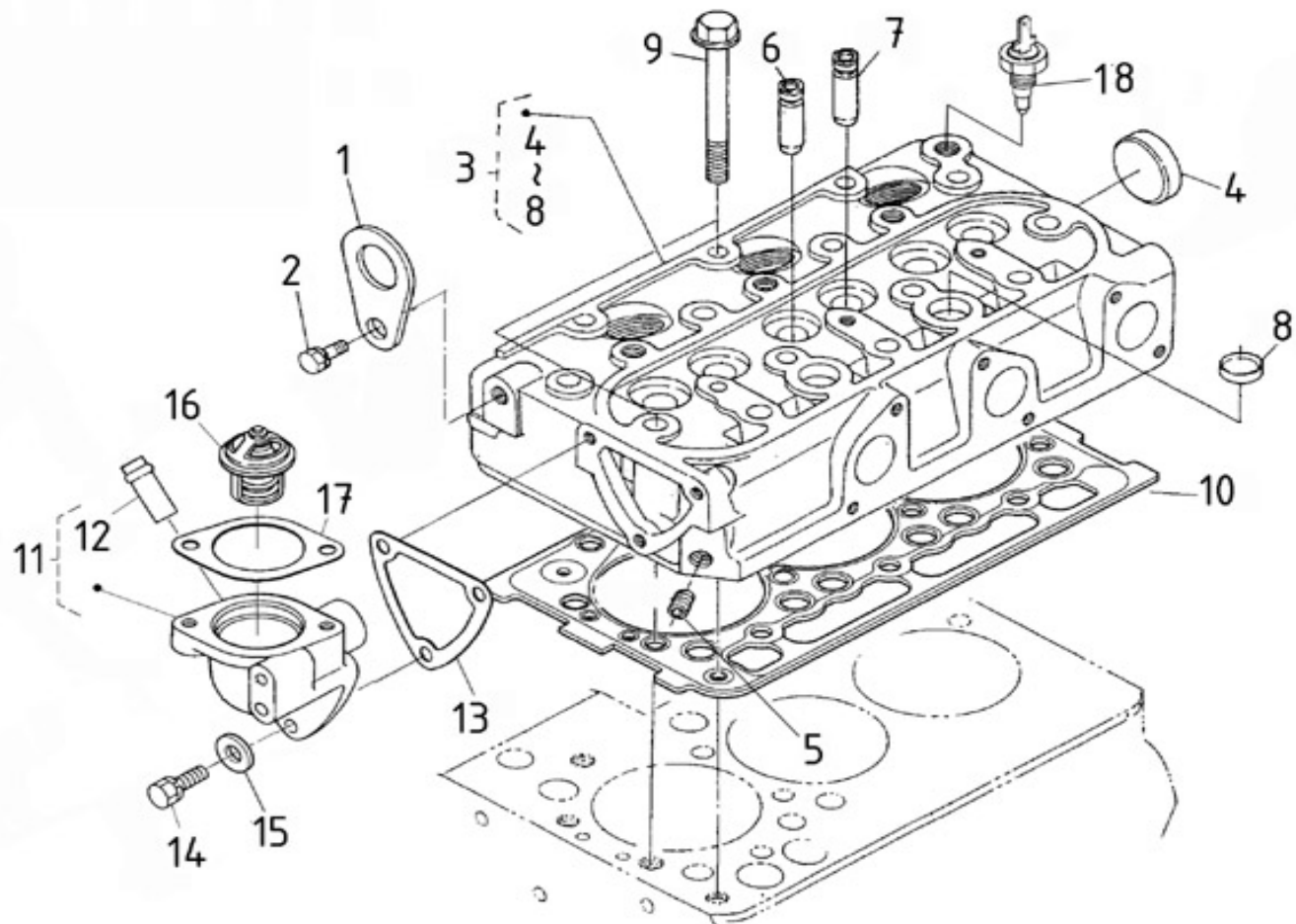
Brand: NanniDiesel

Model: Moteur N3.21

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	970313483	COMP.CYLINDER HEAD (JUSQU'AU N°KTC08050772 )	1	JUSQU'AU N°KTC0805077 2
3	970315054	COMP.CYLINDER HEAD (A PARTIR DU N°KTC08050772 )	1	A PARTIR DU N°KTC0805077 2
4	970140904	CAP, FREEZE	1	
5	970140908	PLUG, CYL.HEAD 2.40	1	
6	970140922	GUIDE, VALVE INTAKE 2.40HE	3	
7	970140923	GUIDE, VALVE EXHAUST 2.40	3	
8	970302722	CAP, FREEZE	2	
9	970140912	BOLT, CYL.HEAD 2.40	14	
10	970314259	GASKET,CYLINDER HEAD	1	
11	970313818	COMP.FLANGE,WATER	1	
12	970307629	PIPE,WATER RETURN (BEFORE N°KTE08070398 )	1	
13	970313376	GASKET,WATER FLANGE	1	
14	970491117	BOLT,M 6X 16	2	
15	970151309	WASHER,PLAIN D 6	2	
16	970310244	ASSY THERMOSTAT	1	
17	970314251	GASKET,THERMOSTAT	1	
18	970304054	TEMPERATURE SWITCH 1/8 1P 97/C	1	



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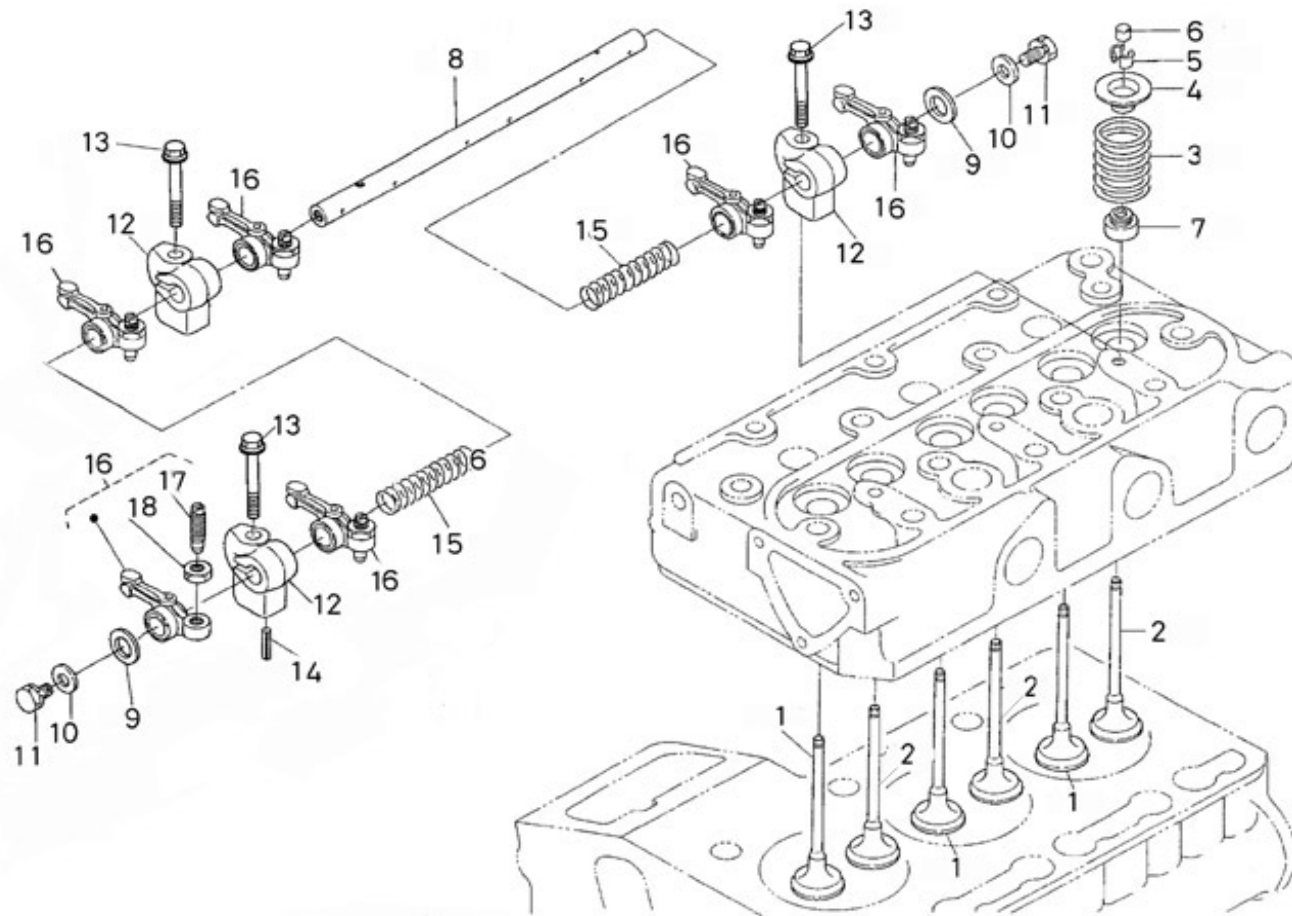
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Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Valves & Springs



N.	Item	Description	Qty	Notes
1	970313910	VALVE,INLET	3	
2	970313911	VALVE,EXHAUST	3	
3	970141003	SPRING, VALVE 2.40	6	
4	970141004	RETAINER, VALVE SPRING	6	
5	970141005	COLLAR, VALVE SPRING 2.40	6	
6	970141007	CAP, VALVE	6	
7	970307541	SEAL,VALVE STEM	6	
8	970314195	SHAFT,ROCKER ARM	1	
9	970141009	SPRING, ROCKER ARM 2.40	2	
10	970313377	WASHER,PLAIN	2	
11	970141015	BOLT, M6X10	2	
12	970313456	BRACKET,ROCKER ARM	3	
13	970313346	BOLT,FLANGE	3	
14	970151130	PIN,SPRING RETAINER	1	
15	970313808	SPRING	2	
16	970141019	ASSY, ROCKER ARM 2.40HE	6	
17	970141022	SCREW, ADJ.ROCKER ARM	6	
18	970141023	NUT, ROCKER ARM 2.40	6	

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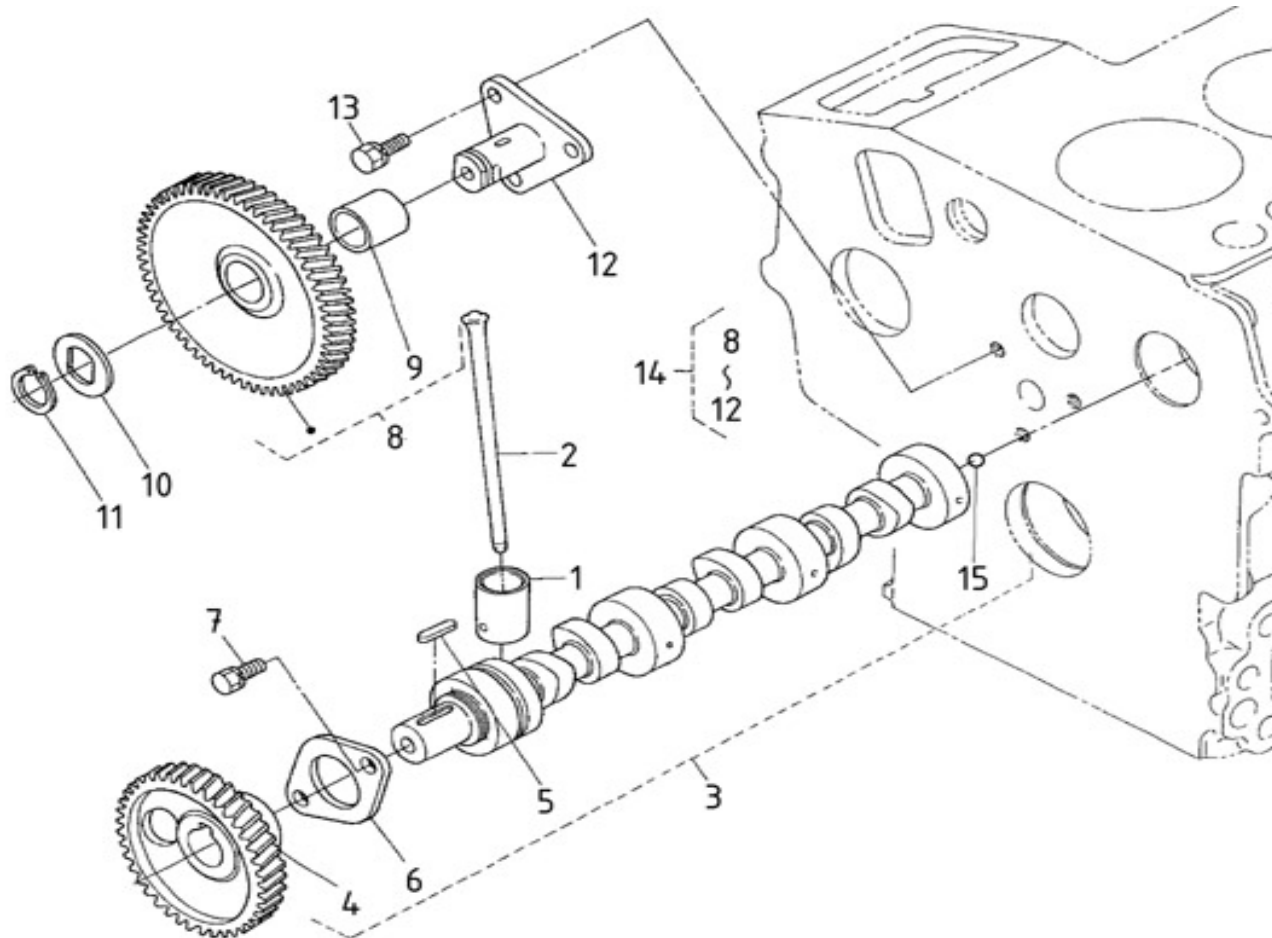
Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Camshaft

N.	Item	Description	Qty	Notes
1	970141101	TAPPET, CAMSHAFT 2.40	6	
2	970307548	PUSH ROD	6	
3	970314258	ASSY CAMSHAFT	1	
4	970141105	GEAR, CAMSHAFT 2.40	1	
5	970141106	KEY, FEATHER CAMSHAFT 2.40-4.1	1	
6	970141107	STOPPER, CAMSHAFT	1	
7	970140123	BOLT ,M 6X12 (AFTER N*KTE08070398 )	2	
8	970307542	COMP.GEAR,IDLE	1	
9	970314198	BUSH	1	
10	970307544	COLLAR,IDLE GEAR	1	
11	970307545	RING,SNAP	1	
12	970307546	SHAFT,IDLE GEAR	1	
13	970310351	BOLT (BEFORE N*KTE08070398 )	3	
14	970141112	BUSH, IDLE GEAR	1	
15	970302897	BEARING,BALL	1	



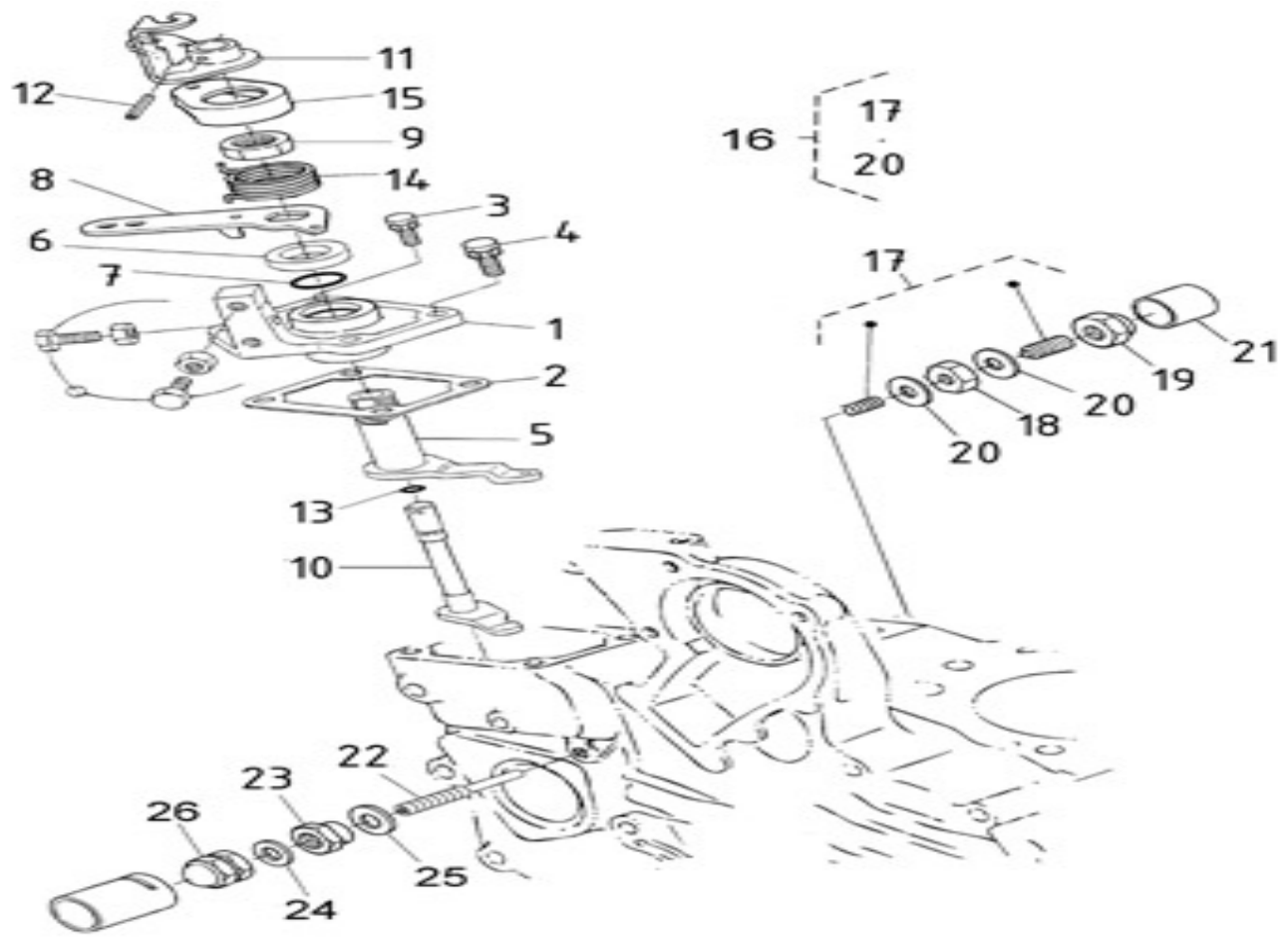
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Brand: NanniDiesel
Model: Moteur N3.21
Version: Standard
Subassembly: Speed control

N.	Item	Description	Qty	Notes
1	970313375	PLATE,SPEED CONTROL	1	
2	970141311	GASKET, SPEED CONTROL 2.40	1	
3	970490119	BOLT,M 6X 18	2	
4	970313904	BOLT	2	
5	970313374	LEVER,GOVERNOR	1	
6	970313436	COLLAR	1	
7	970313802	O RING	1	
8	970313447	LEVER,SPEED CONTROL	1	
9	970313426	NUT,SPEED CONTROL	1	
10	970313431	SHAFT,LEVER	1	
11	970313893	LEVER,ENGINE STOP	1	
12	970313352	PIN,SPRING	1	
13	970313665	O RING	1	
14	970313905	SPRING,RETURN	1	
15	970313425	CAP	1	
16	970307613	ASSY APPARATUS	1	
17	970307614	ASSY BOLT,ADJUSTING	1	
18	970491129	NUT	1	
19	970141130	NUT, IDLE ASSEM.	1	
20	970491131	WASHER,SEAL	2	
21	970141132	CAP, BOLT COVER	1	
22	970140401	SCREW, REGULATOR	1	
23	970310962	NUT	1	
24	970150403	RING,SEAL (=> N° XA0001 <= 3Z0001 )	1	
25	970313440	GASKET	1	
26	970140404	NUT (BEFORE N°KTE08070398 )	1	



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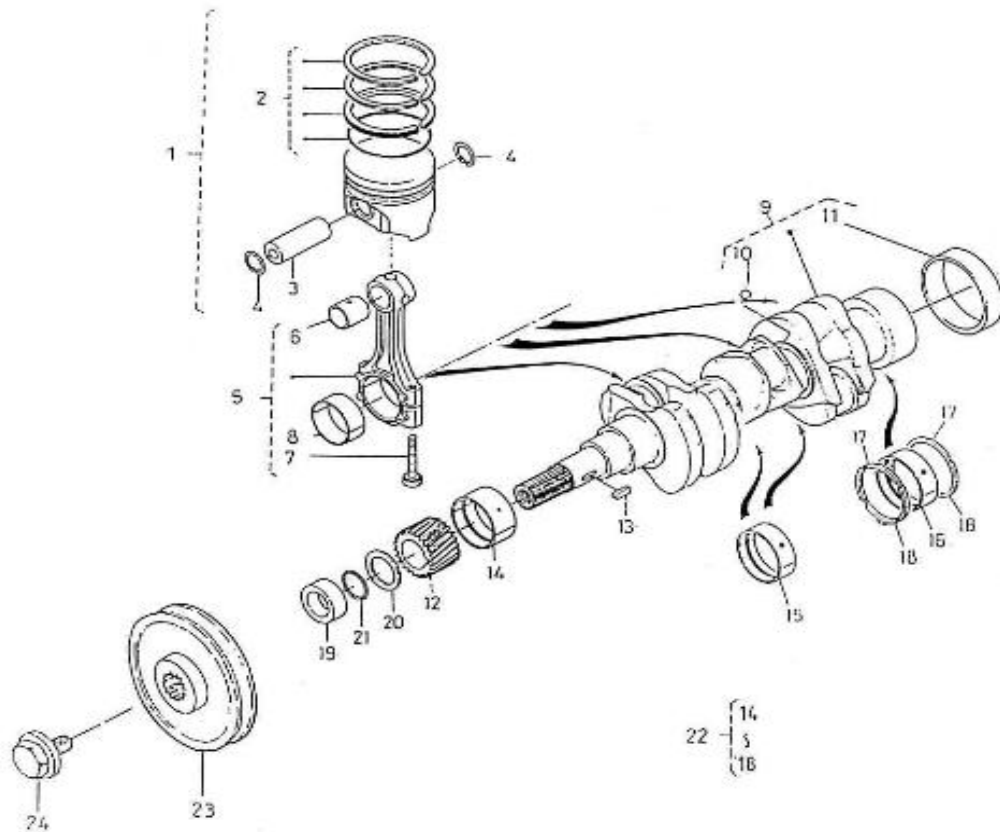
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Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Crankshaft pistons



N.	Item	Description	Qty	Notes
1	970307553	PISTON	3	
1	970307554	PISTON + 0.25 MM	3	
2	970307555	SET,PISTON RING	3	
2	970307556	ASSY RING,PISTON +0.25	3	
3	970307557	PIN,PISTON	3	
4	970491504	CIR-CLIP (2 )	6	
5	970307558	ASSY ROD,CONNECTING	3	
6	970307559	BUSH,PISTON PIN	3	
7	970141513	BOLT, CONN.ROD 2.40	6	
8	970307560	Replaced by 970141514 - METAL,CRANK PIN	3	
8	970307561	METAL,CRANK PIN 02	3	
8	970307562	METAL,CRANK PIN 04	3	
9	970314255	COMP,CRANKSHAFT	1	
10	970307564	BALL	3	
11	970151513	SLEEVE,CRANKSHAFT	1	
12	970141520	GEAR, CRANKSHAFT 2.40	1	
13	970491106	KEY,FEATHER	1	
14	970141525	METAL, CRANKSHAFT 1 STD 2.40	1	
14	970141546	METAL, CRANKSHAFT 1 0.02	1	
14	970141556	METAL, CRANKSHAFT 1 0.04	1	
15	970307571	METAL,CRANK SHAFT	2	
15	970307572	METAL,CRANK SHAFT	2	
15	970307573	METAL,CRANKSHAFT3 04	2	
16	970491526	METAL,CRANKSHAFT 2 STD	1	
16	970491547	METAL,CRANKSHAFT 2 0.20	1	
16	970491557	METAL,CRANKSHAFT 2 0.40	1	
17	970491527	METAL,SIDE 1 STD	2	
17	970491548	METAL,SIDE 1 0.02	2	
17	970491558	METAL,SIDE 1 0.04	2	
18	970491528	METAL,SIDE 2 STD	2	
18	970491549	METAL,SIDE 2 0.02	2	
18	970313811	METAL,SIDE - +0.40mm	2	
19	970141523	COLLAR, CRANKSHAFT 2.40	1	
20	970141522	RING, CRANKSHAFT 2.40	1	
21	970313803	O RING	1	
22	970314257	ASSY CRANKSHAFT	1	
23	970313430	PULLEY,FAN DRIVE	1	
24	970141517	BOLT, CRANKSHAFT PULLY	1	

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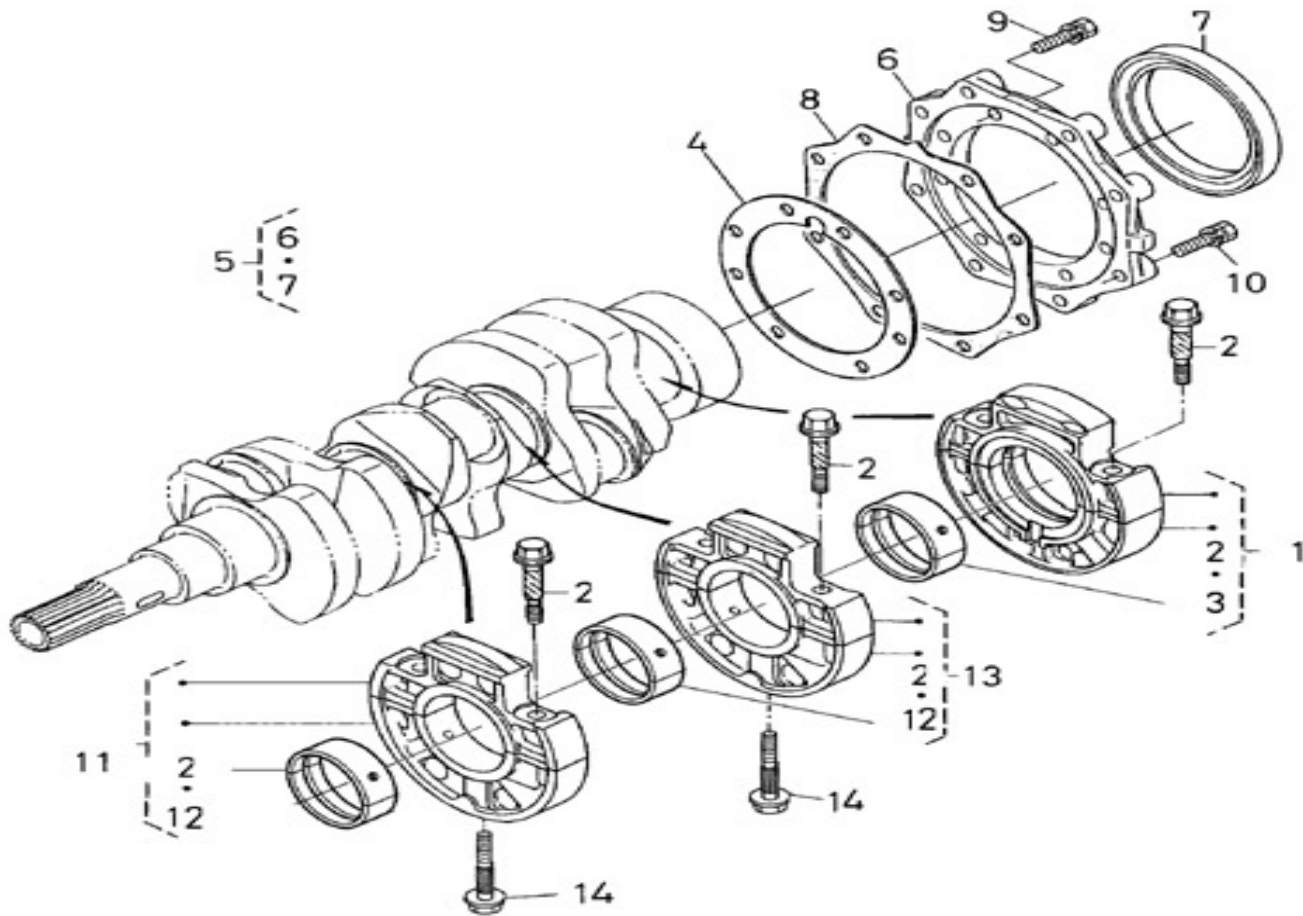
Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Crankshaft

N.	Item	Description	Qty	Notes
1	970307466	ASSY CASE.MAIN BRG	1	
2	970141533	BOLT, BEARING CASE	6	
3	970491526	METAL,CRANKSHAFT 2 STD	1	
4	970141506	GASKET, BEARING CASE 2.40	1	
5	970313812	ASSY COVER,BRG.CASE	1	
6	970141535	COVER, BEARING CASE 2.40	1	
7	970141529	SEAL, OIL (S/N <9B9999 )	1	S/N <9B9999
7	970315607	SEAL, OIL (S/N >9C0001 )	1	S/N >9C0001
8	970141508	GASKET, BEARING CASE COVER 2.4	1	
9	970491536	BOLT,M 6X 20	8	
10	970141537	BOLT, M6X22	8	
11	970313882	ASSY BRG.CASE,MAIN	1	
12	970307571	METAL,CRANK SHAFT	2	
13	970314248	ASSY BRG.CASE,MAIN	1	
14	970141539	BOLT, BEARING CASE N02	2	

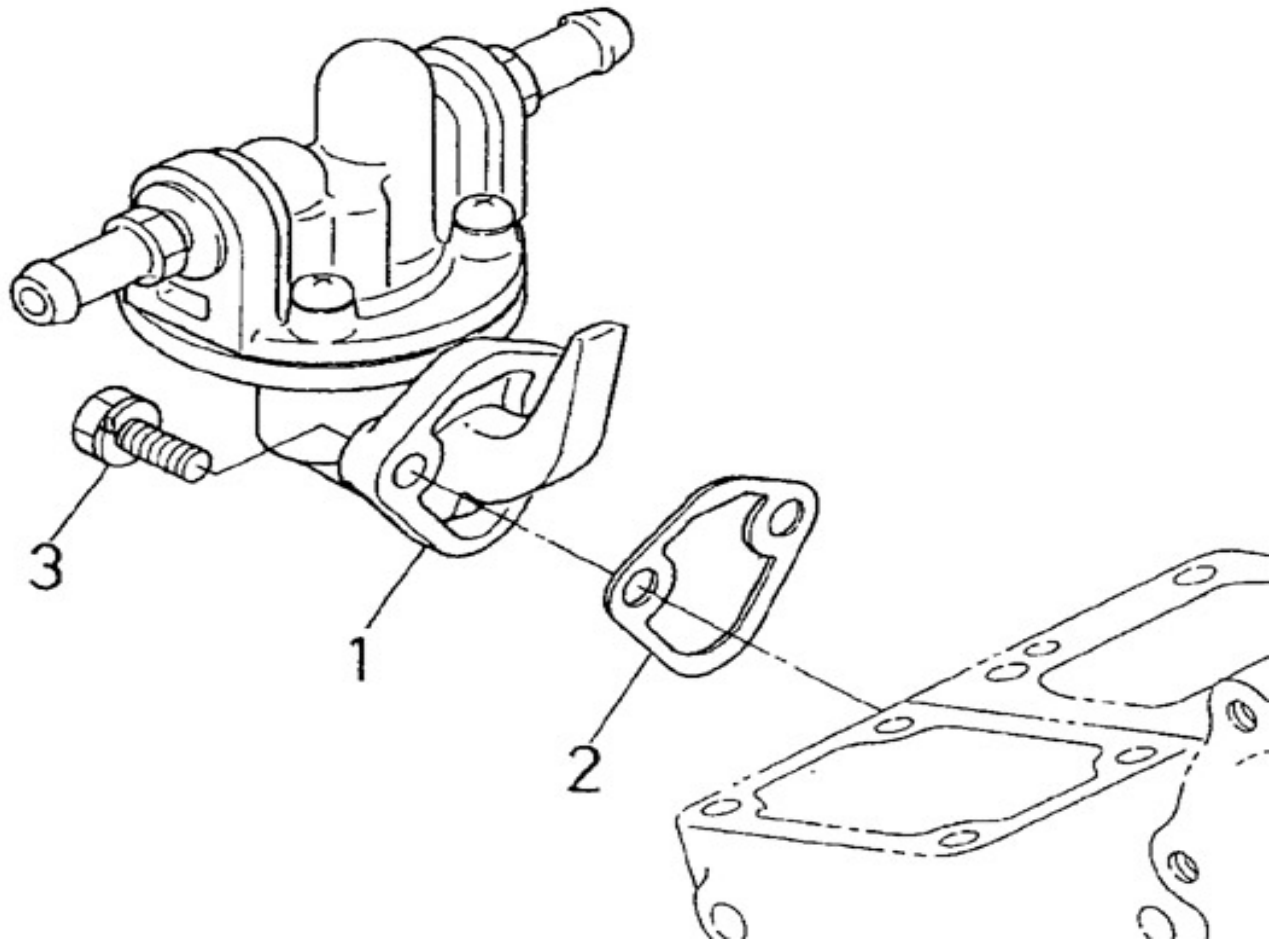


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Brand: NanniDiesel
Model: Moteur N3.21
Version: Standard
Subassembly: Fuel feed pump

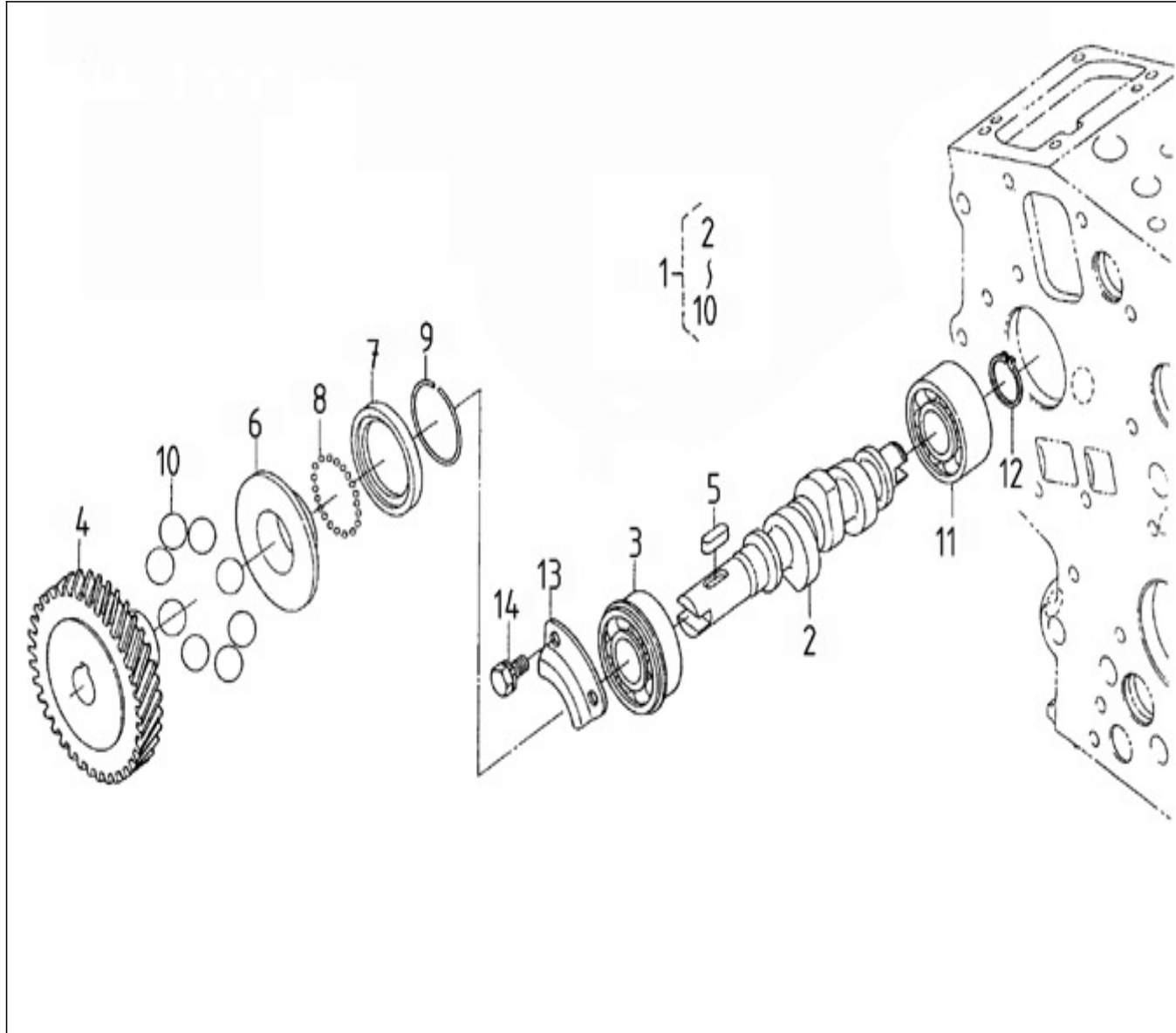
N.	Item	Description	Qty	Notes
1	970142501	PUMP,FUEL FEED 2. 40	1	
2	970142512	GASKET,FUEL PUMP 2. 40	1	
3	970491117	BOLT,M 6X 16	2	



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Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur N3.21	1	970307863	ASSY CAM SHAFT,FUEL	1	
Version: Standard	2	970314197	CAMSHAFT,FUEL	1	
Subassembly: Camshaft fuel	3	970142124	BEARING,CASE	1	
	4	970307602	GEAR,INJECTION PUMP	1	
	5	970491106	KEY,FEATHER	1	
	6	970142127	SLEEVE	1	
	7	970142129	COVER,BEARING 2. 40HE	1	
	8	970142130	BEARING,BALL CAMSHAFT 2.40HE	32	
	9	970492128	CIR-CLIP,GOVERNOR SLEEVE	1	
	10	970492132	BEARING,BALL GOVERNOR	8	
	11	970313429	BEARING,BALL	1	
	12	970142133	CIR-CLIP,EXTERNAL	1	
	13	970142136	STOPPER,FUEL CAMSHAFT 2.40	1	
	14	970140123	BOLT ,M 6X12 (AFTER N*KTE08070398 )	2	



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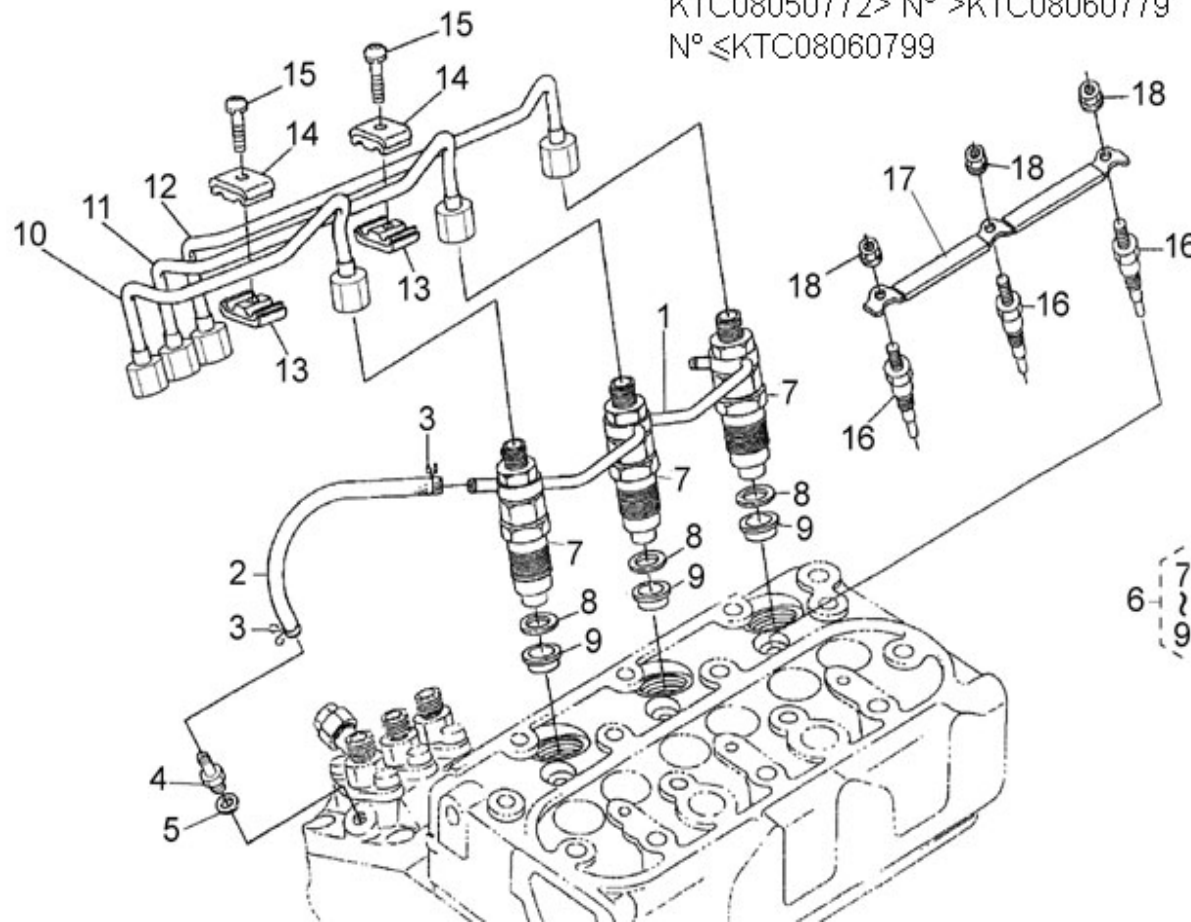
Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Injection lines nozzles

KTC08050772> N° >KTC08060779  
N° ≤KTC08060799



N.	Item	Description	Qty	Notes
1	970314196	ASSY PIPE,OVER FLOW	1	
2	970313475	PIPE,FUEL OVER FLOW	1	
3	970492305	CLAMP,HOSE	2	
4	970142104	NOZZLE, FUEL OVERFLOW LINE	1	
5	970150403	RING,SEAL (=> N° XA0001 <= 3Z0001 )	1	
6	970313383	KIT HOLDER,NOZZLE	3	
7	970307587	ASSY HOLDER,NOZZLE	3	
8	970142109	GHASKET, RING INJECTORS	3	
9	970307388	SEAL,HEAT	3	
10	970307589	PIPE,INJECTION	1	
11	970313892	PIPE,INJECTION	1	
12	970314256	PIPE,INJECTION	1	
13	970142114	CLAMP,FUEL LINES 1+2	2	
14	970142115	CLAMP,FUEL-LINES 1+2	2	
15	970492118	SCREW,M 5X 20 ROUND HEAD	2	
16	970313894	GLOW PLUG	3	
17	970307859	CORD,GLOW PLUG	1	
18	970307593	NUT,FLANGE	3	

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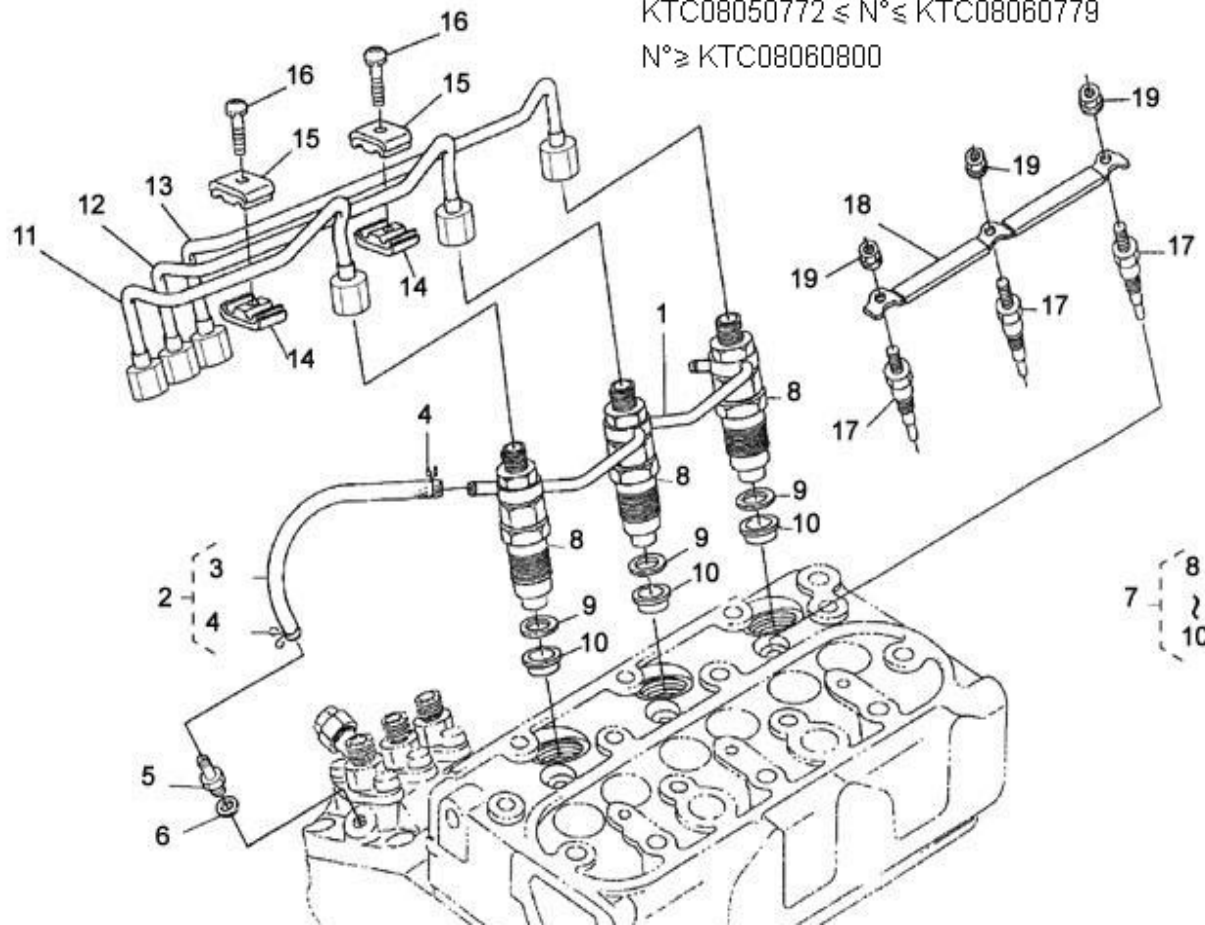
Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Injection lines nozzles

KTC08050772 ≤ N° ≤ KTC08060779  
N° ≥ KTC08060800



N.	Item	Description	Qty	Notes
1	970314196	ASSY PIPE,OVER FLOW	1	
2	970142103	PIPE, FUEL OVERFLOW N02 CPL	1	
3	970313475	PIPE,FUEL OVER FLOW	1	
4	970492305	CLAMP,HOSE	2	
5	970142104	NOZZLE, FUEL OVERFLOW LINE	1	
6	970150403	RING,SEAL (=> N° XA0001 <= 3Z0001)	1	
7	970313383	KIT HOLDER,NOZZLE	3	
8	970307587	ASSY HOLDER,NOZZLE	3	
9	970142109	GHASKET, RING INJECTORS	3	
10	970307388	SEAL,HEAT	3	
11	970307589	PIPE,INJECTION	1	
12	970313892	PIPE,INJECTION	1	
13	970314256	PIPE,INJECTION	1	
14	970142114	CLAMP,FUEL LINES 1+2	2	
15	970142115	CLAMP,FUEL-LINES 1+2	2	
16	970492118	SCREW,M 5X 20 ROUND HEAD	2	
17	970313894	GLOW PLUG	3	
18	970307859	CORD,GLOW PLUG	1	
19	970307593	NUT,FLANGE	3	

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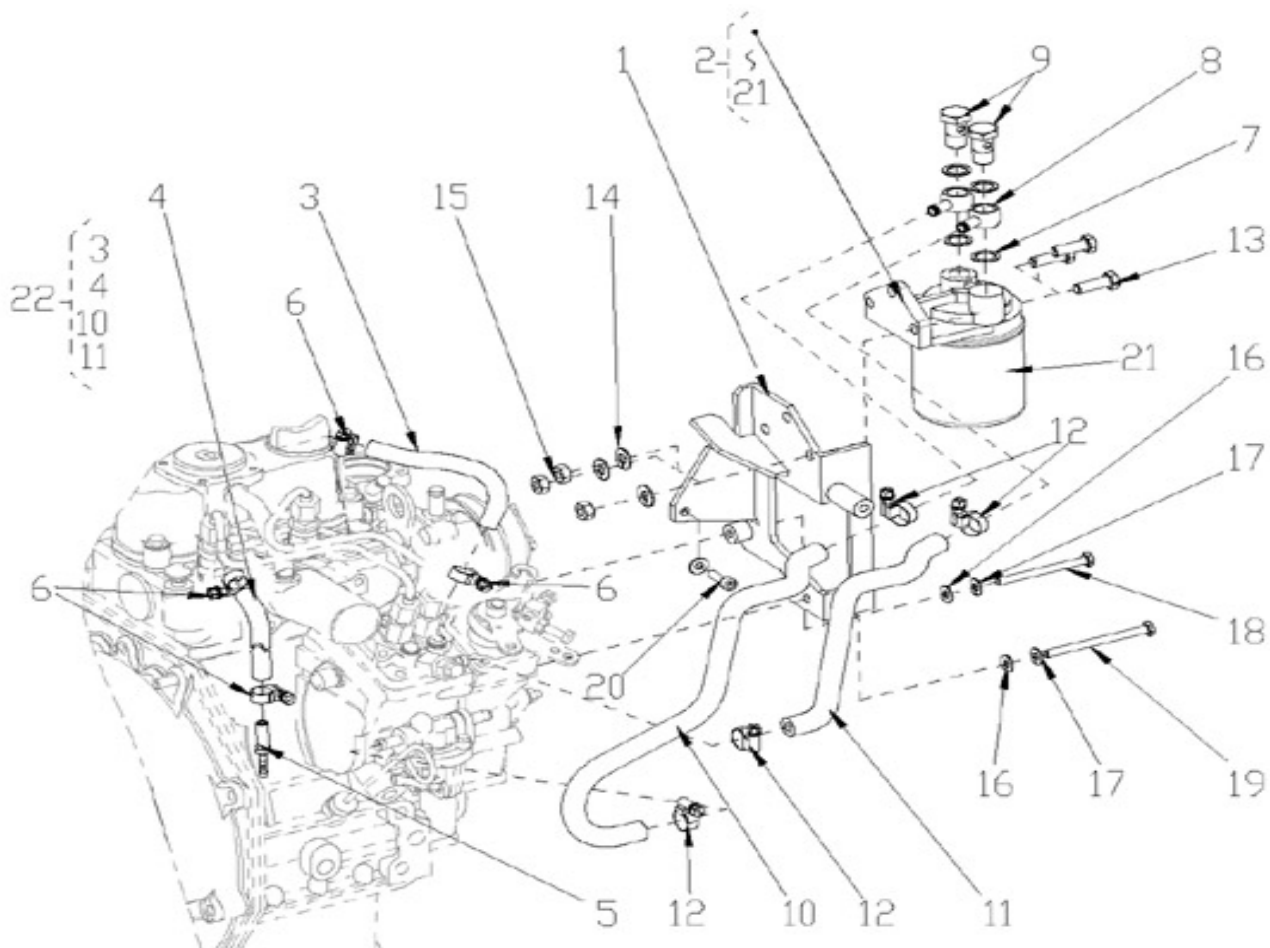
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Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Fuel filter Assy.



N.	Item	Description	Qty	Notes
1	970307445	SUPPORT,FUEL FILTER ELEMENT H-	1	
2	970310210	FILTER ASSY	1	
3	32805001	HOSE (++)RETOUR INJ / PPE INJ )	0.15	
4	32805001	HOSE (++)RETOUR INJ / PPE INJ )	0.15	
5	970302476	PIPE,FUEL CONN.D 8	1	
6	970312876	CLAMP	4	
7	970300306	GASKET,RING D14 (SUR REFROID THERMO MOTA )	4	
8	970301093	CONNECTION,BANJO D=6/M14	2	
9	970432515	BOLT,BANJO M14X1,5 (=> N°KT08090423 )	2	
10	32808002	FUEL HOSE ISO 7840 D8	0.45	
11	32808002	FUEL HOSE ISO 7840 D8	0.22	
12	970439306	CLAMP (++)POUR DURITE ORIGINE REF HUILE MOTEUR )	4	
13	970409603	BOLT,HEX M 8X 25 (FIX SUP ALT )	3	
14	970119138	WASHER,SPRING D 8 (TENDEUR )	3	
15	970027322	NUT,M 8 (++)ECROU FIL DEMARREUR )	3	
16	970635459	WASHER,PLAIN D 6 (CALAGE )	2	
17	970119149	WASHER, SPRING D 6 (Pour protection injecteur )	3	
18	970497323	BOLT,HEX M 6X 80	1	
19	970302213	BOLT,HEX M 6X 70	1	
20	970604615	BOLT,SOCK M 6X 20	1	
21	970622350	FILTER,FUEL	1	
22	48878001	HOSE	1	

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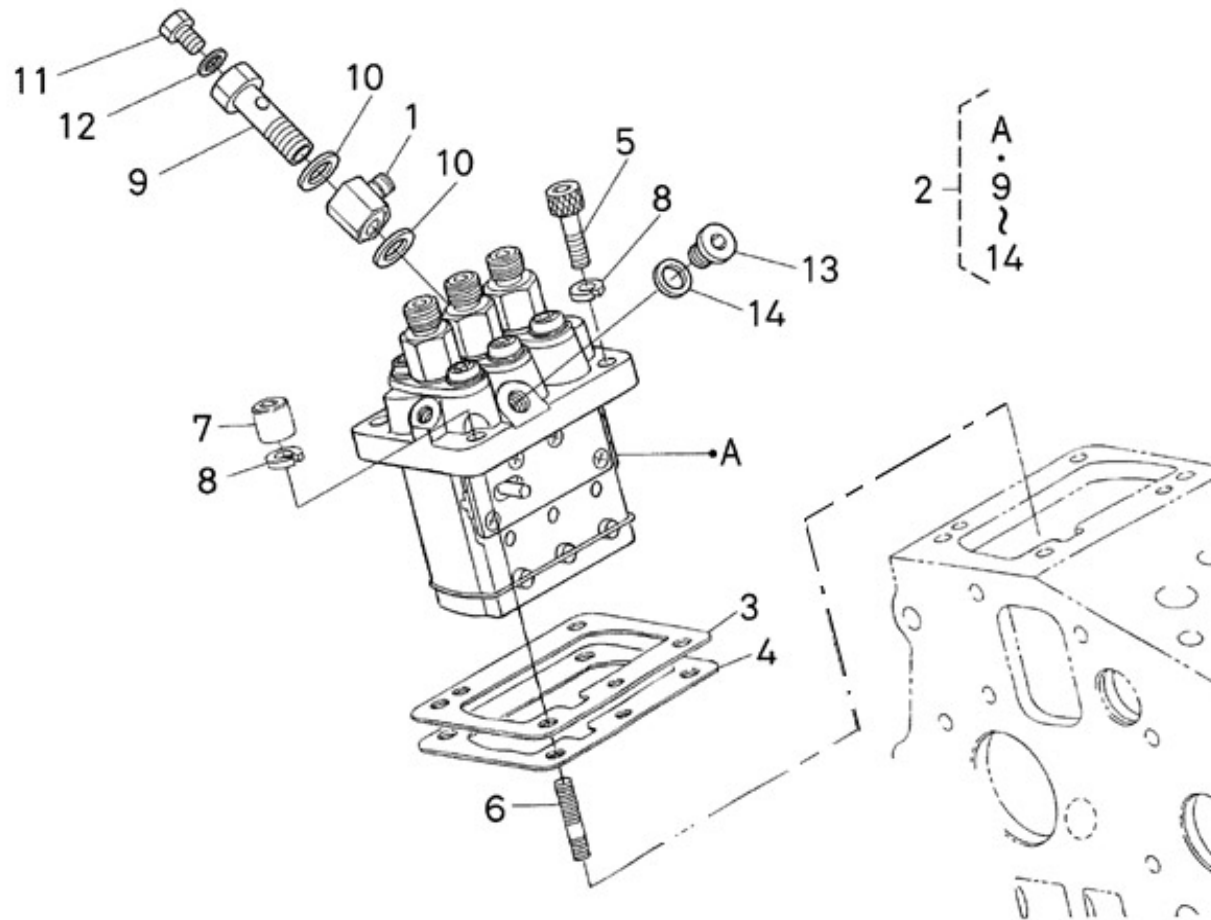


Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Injection pump, component part



N.	Item	Description	Qty	Notes
1	970307599	JOINT,EYE	1	
2	970307860	ASSY PUMP,INJECTION	1	
3	970307861	SHIM,INJ.PUMP 0.20 (<= N°KT08090422 )	1	
3	970315029	SHIM,INJECTION PUMP (=> N°KT08090423 )	1	
3	970315030	SHIM,INJECTION PUMP (=> N°KT08090423 )	1	
4	970307862	SHIM,INJ.PUMP 0.25	1	
4	970310335	SHIM,INJ.PUMP 0.30 (<= N°KT08090422 )	1	
5	970142138	BOLT,SOCK M 6X 20 (BEFORE N°KTE08070398 )	2	
6	970142139	STUD,INJ.PUMP	2	
7	970142140	NUT,CAP	2	
8	970310417	WASHER,SPRING (BEFORE N°KTE08070398 )	4	
9	970307609	SCREW,FOLLOW	1	
10	970307610	GASKET,COPPER	2	
11	970307611	SCREW	1	
12	970307612	GASKET	1	
13	970310341	PLUG	1	
14	970307869	GASKET	1	

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Brand: NanniDiesel

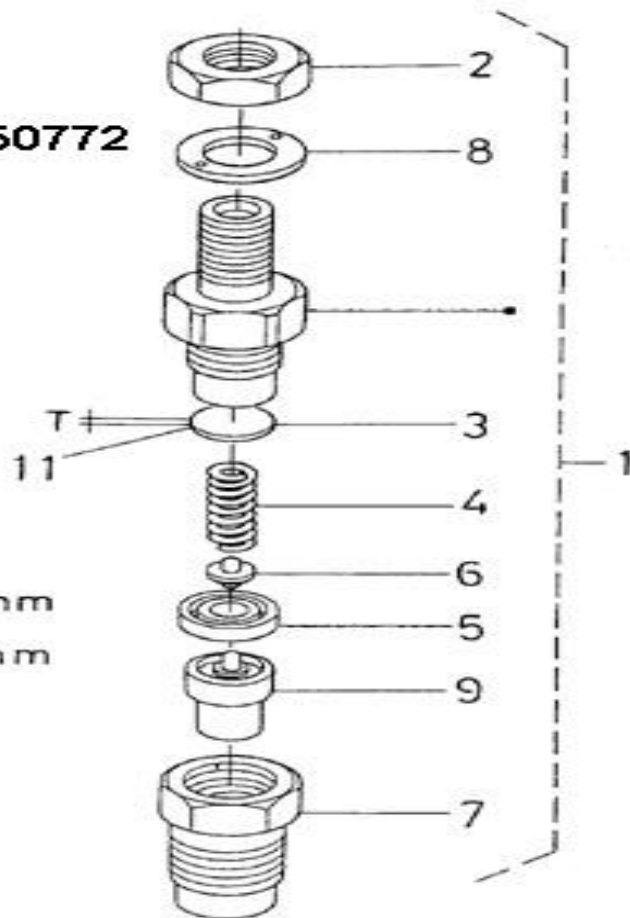
Model: Moteur N3.21

Version: Standard

Subassembly: Nozzle holder

N.	Item	Description	Qty	Notes
1	970307587	ASSY HOLDER,NOZZLE	3	
2	970142175	NUT,NOZZLE INJ.	3	
3	970302825	SPACER,ADJ.NOZZLE STD. 0.900	3	
4	970142171	SPRING,NOZZLE FUEL	3	
5	970142173	PIECE,DISTANCE NOZZLE INJ.	3	
6	970142170	ROD,PUSH NOZZLE FUEL	3	
7	970307595	NUT	3	
8	970302826	WASHER,NOZZLE INJ.	3	
9	970307596	PIECE,NOZZLE	3	
10	970142200	SET,SPACER NOZZLE	3	
11	970302825	SPACER,ADJ.NOZZLE STD. 0.900	3	
11	970142178	SPACER,NOZZLE INJ. 0,925MM	3	
11	970142179	SPACER,NOZZLE INJ. 0,950MM	3	
11	970142180	SPACER,NOZZLE INJ. 0,975MM	3	
11	970142181	SPACER,NOZZLE INJ. 1,000MM	3	
11	970313819	WASHER,ADJUSTING - 1.025mm	3	
11	970313820	WASHER,ADJUSTING - 1.050mm	3	
11	970313821	WASHER,ADJUSTING - 1.075mm	3	
11	970313822	WASHER,ADJUSTING - 1.100mm	3	
11	970313823	WASHER,ADJUSTING - 1.125mm	3	
11	970313824	WASHER,ADJUSTING - 1.150mm	3	
11	970313825	WASHER,ADJUSTING - 1.175mm	3	
11	970313826	WASHER,ADJUSTING - 1.200mm	3	
11	970313827	WASHER,ADJUSTING - 1.225mm	3	
11	970313828	WASHER,ADJUSTING - 1.250mm	3	
11	970313829	WASHER,ADJUSTING - 1.275mm	3	
11	970313830	WASHER,ADJUSTING - 1.300mm	3	
11	970313831	WASHER,ADJUSTING - 1.325mm	3	
11	970313832	WASHER,ADJUSTING - 1.350mm	3	
11	970313833	WASHER,ADJUSTING - 1.375mm	3	
11	970313834	WASHER,ADJUSTING - 1.400mm	3	
11	970313835	WASHER,ADJUSTING - 1.425mm	3	
11	970313836	WASHER,ADJUSTING - 1.450mm	3	
11	970313837	WASHER,ADJUSTING - 1.475mm	3	
11	970313838	WASHER,ADJUSTING - 1.500mm	3	
11	970313839	WASHER,ADJUSTING - 1.525mm	3	
11	970313840	WASHER,ADJUSTING - 1.550mm	3	
11	970313841	WASHER,ADJUSTING - 1.575mm	3	
11	970313842	WASHER,ADJUSTING - 1.600mm	3	
11	970313843	WASHER,ADJUSTING - 1.625mm	3	
11	970313844	WASHER,ADJUSTING - 1.650mm	3	
11	970313845	WASHER,ADJUSTING - 1.675mm	3	
11	970313846	WASHER,ADJUSTING - 1.700mm	3	
11	970313847	WASHER,ADJUSTING - 1.725mm	3	
11	970313848	WASHER,ADJUSTING - 1.750mm	3	
11	970313849	WASHER,ADJUSTING - 1.775mm	3	
11	970313850	WASHER,ADJUSTING - 1.800mm	3	
11	970313851	WASHER,ADJUSTING - 1.825mm	3	
11	970313852	WASHER,ADJUSTING - 1.850mm	3	
11	970313853	WASHER,ADJUSTING - 1.875mm	3	
11	970313854	WASHER,ADJUSTING - 1.900mm	3	
11	970313855	WASHER,ADJUSTING - 1.925mm	3	
11	970313856	WASHER,ADJUSTING - 1.950mm	3	

BEFORE N°KTC08050772



10 - { 11 T=0.900mm  
11 T=1.950mm }

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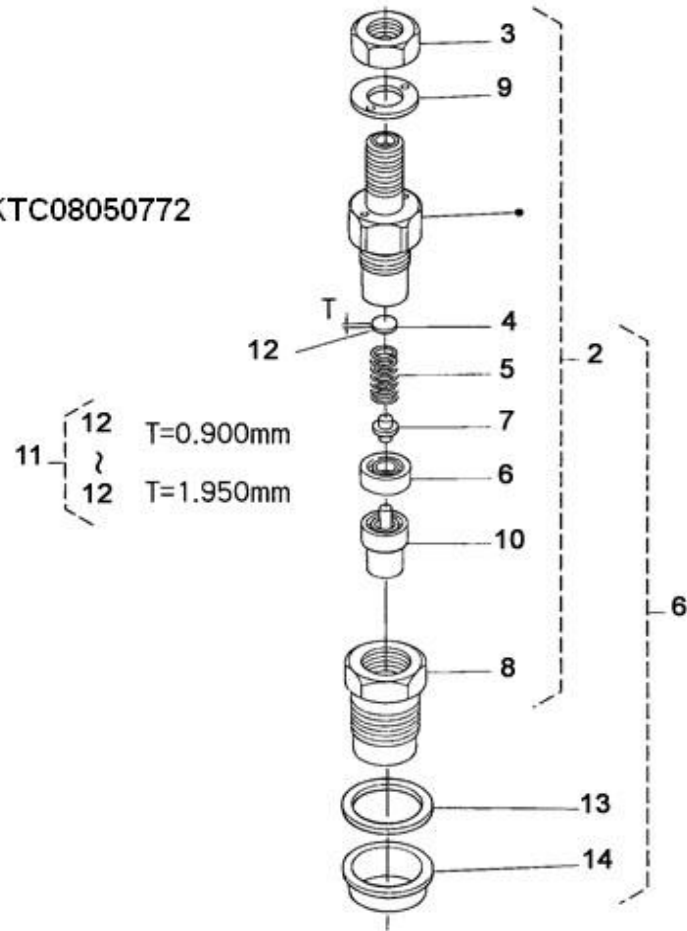
Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Nozzle holder

AFTER N°KTC08050772



N.	Item	Description	Qty	Notes
1	970313383	KIT HOLDER,NOZZLE	3	
2	970307587	ASSY HOLDER,NOZZLE	3	
3	970142175	NUT,NOZZLE INJ.	3	
4	970302825	SPACER,ADJ.NOZZLE STD. 0.900	3	
5	970142171	SPRING,NOZZLE FUEL	3	
6	970142173	PIECE,DISTANCE NOZZLE INJ.	3	
7	970142170	ROD,PUSH NOZZLE FUEL	3	
8	970307595	NUT	3	
9	970302826	WASHER,NOZZLE INJ.	3	
10	970307596	PIECE,NOZZLE	3	
11	970142200	SET,SPACER NOZZLE	3	
12	970302825	SPACER,ADJ.NOZZLE STD. 0.900	3	
12	970142178	SPACER,NOZZLE INJ. 0,925MM	3	
12	970142179	SPACER,NOZZLE INJ. 0,950MM	3	
12	970142180	SPACER,NOZZLE INJ. 0,975MM	3	
12	970142181	SPACER,NOZZLE INJ. 1,000MM	3	
12	970313819	WASHER,ADJUSTING - 1.025mm	3	
12	970313820	WASHER,ADJUSTING - 1.050mm	3	
12	970313821	WASHER,ADJUSTING - 1.075mm	3	
12	970313822	WASHER,ADJUSTING - 1.100mm	3	
12	970313823	WASHER,ADJUSTING - 1.125mm	3	
12	970313824	WASHER,ADJUSTING - 1.150mm	3	
12	970313825	WASHER,ADJUSTING - 1.175mm	3	
12	970313826	WASHER,ADJUSTING - 1.200mm	3	
12	970313827	WASHER,ADJUSTING - 1.225mm	3	
12	970313828	WASHER,ADJUSTING - 1.250mm	3	
12	970313829	WASHER,ADJUSTING - 1.275mm	3	
12	970313830	WASHER,ADJUSTING - 1.300mm	3	
12	970313831	WASHER,ADJUSTING - 1.325mm	3	
12	970313832	WASHER,ADJUSTING - 1.350mm	3	
12	970313833	WASHER,ADJUSTING - 1.375mm	3	
12	970313834	WASHER,ADJUSTING - 1.400mm	3	
12	970313835	WASHER,ADJUSTING - 1.425mm	3	
12	970313836	WASHER,ADJUSTING - 1.450mm	3	
12	970313837	WASHER,ADJUSTING - 1.475mm	3	
12	970313838	WASHER,ADJUSTING - 1.500mm	3	
12	970313839	WASHER,ADJUSTING - 1.525mm	3	
12	970313840	WASHER,ADJUSTING - 1.550mm	3	
12	970313841	WASHER,ADJUSTING - 1.575mm	3	
12	970313842	WASHER,ADJUSTING - 1.600mm	3	
12	970313843	WASHER,ADJUSTING - 1.625mm	3	
12	970313844	WASHER,ADJUSTING - 1.650mm	3	
12	970313845	WASHER,ADJUSTING - 1.675mm	3	
12	970313846	WASHER,ADJUSTING - 1.700mm	3	
12	970313847	WASHER,ADJUSTING - 1.725mm	3	
12	970313848	WASHER,ADJUSTING - 1.750mm	3	
12	970313849	WASHER,ADJUSTING - 1.775mm	3	
12	970313850	WASHER,ADJUSTING - 1.800mm	3	
12	970313851	WASHER,ADJUSTING - 1.825mm	3	
12	970313852	WASHER,ADJUSTING - 1.850mm	3	
12	970313853	WASHER,ADJUSTING - 1.875mm	3	
12	970313854	WASHER,ADJUSTING - 1.900mm	3	
12	970313855	WASHER,ADJUSTING - 1.925mm	3	
12	970313856	WASHER,ADJUSTING - 1.950mm	3	
13	970142109	GHASKET, RING INJECTORS	3	

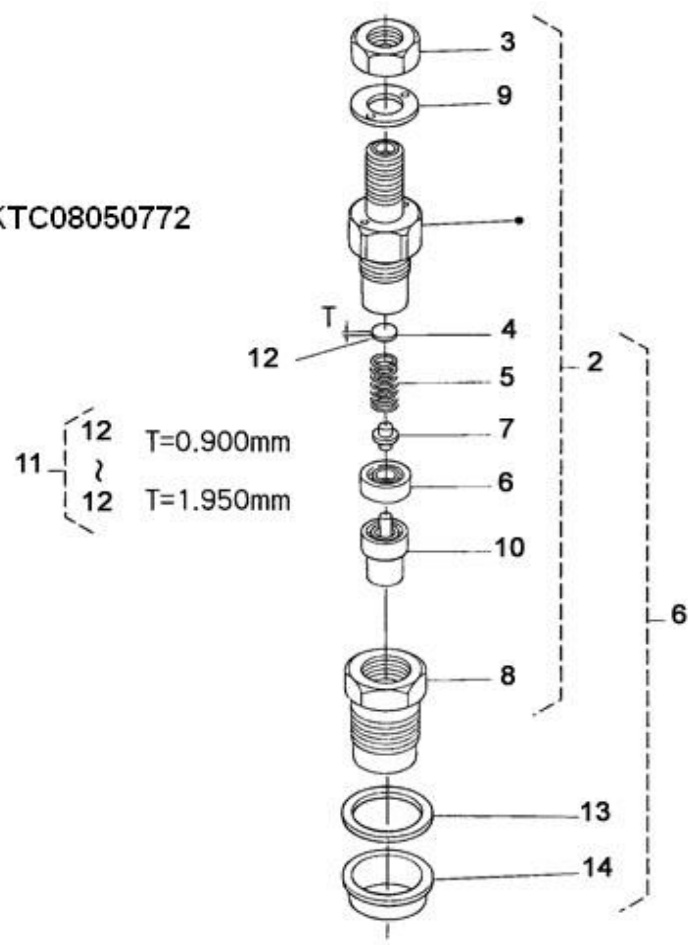
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Brand: NanniDiesel
Model: Moteur N3.21
Version: Standard
Subassembly: Nozzle holder

N.	Item	Description	Qty	Notes
14	970307388	SEAL,HEAT	3	

AFTER N°KTC08050772

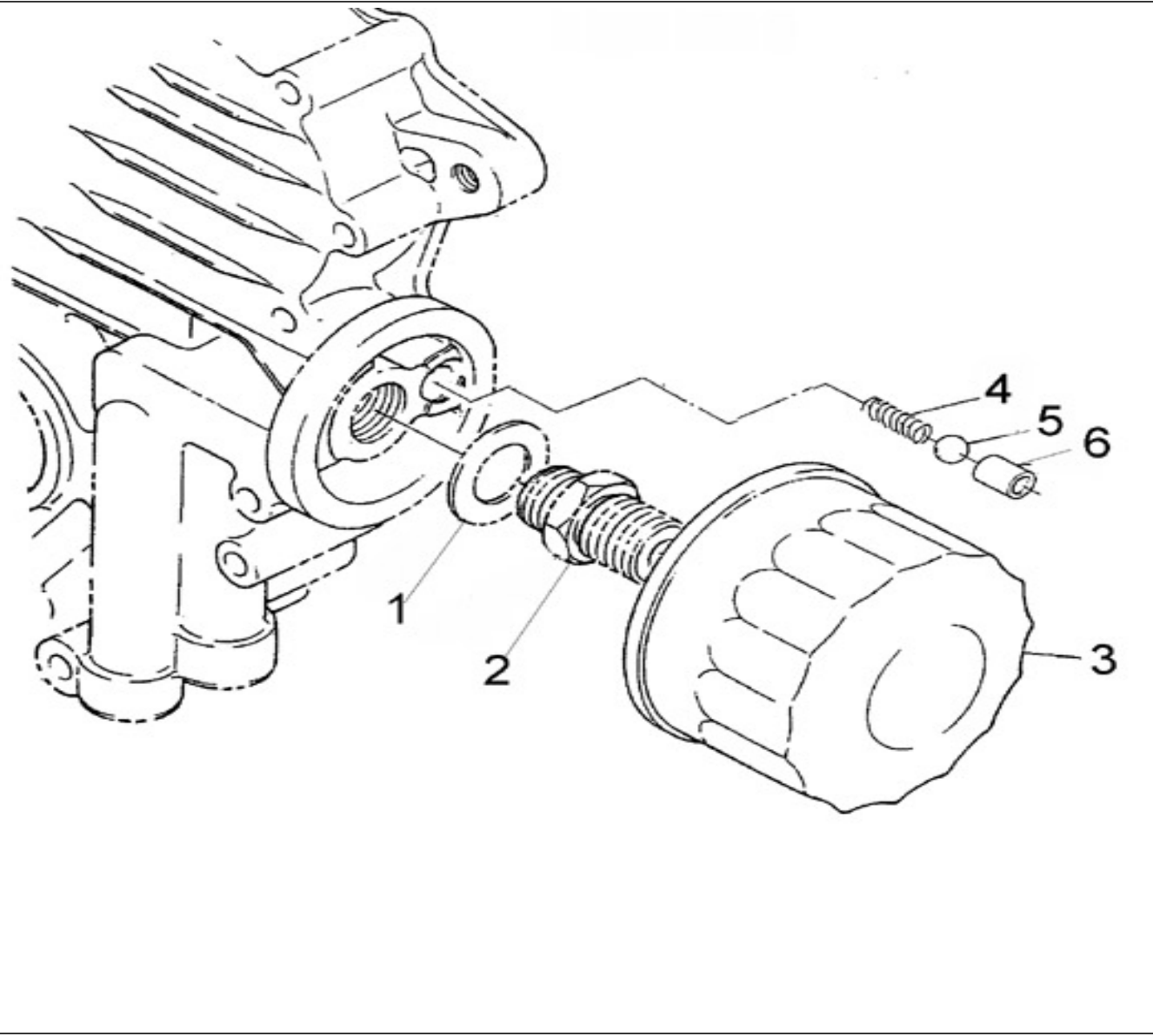


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Brand: NanniDiesel
Model: Moteur N3.21
Version: Standard
Subassembly: Oil filter Assy

N.	Item	Description	Qty	Notes
1	970140211	WASHER, PLAIN	1	
2	970302728	NIPPLE	1	
3	970302697	FILTER,ELEMENT OIL 6.280 (A PARTIR DU N°KTC08050772 )	1	JUSQU'AU N°KTC08050772
3	970302697	FILTER,ELEMENT OIL 6.280 (A PARTIR DU N°KTC08050772 )	1	A PARTIR DU N°KTC08050772
4	970140216	SPRING	1	
5	970140218	BEARING, BALL	1	
6	970140217	SEAT	1	

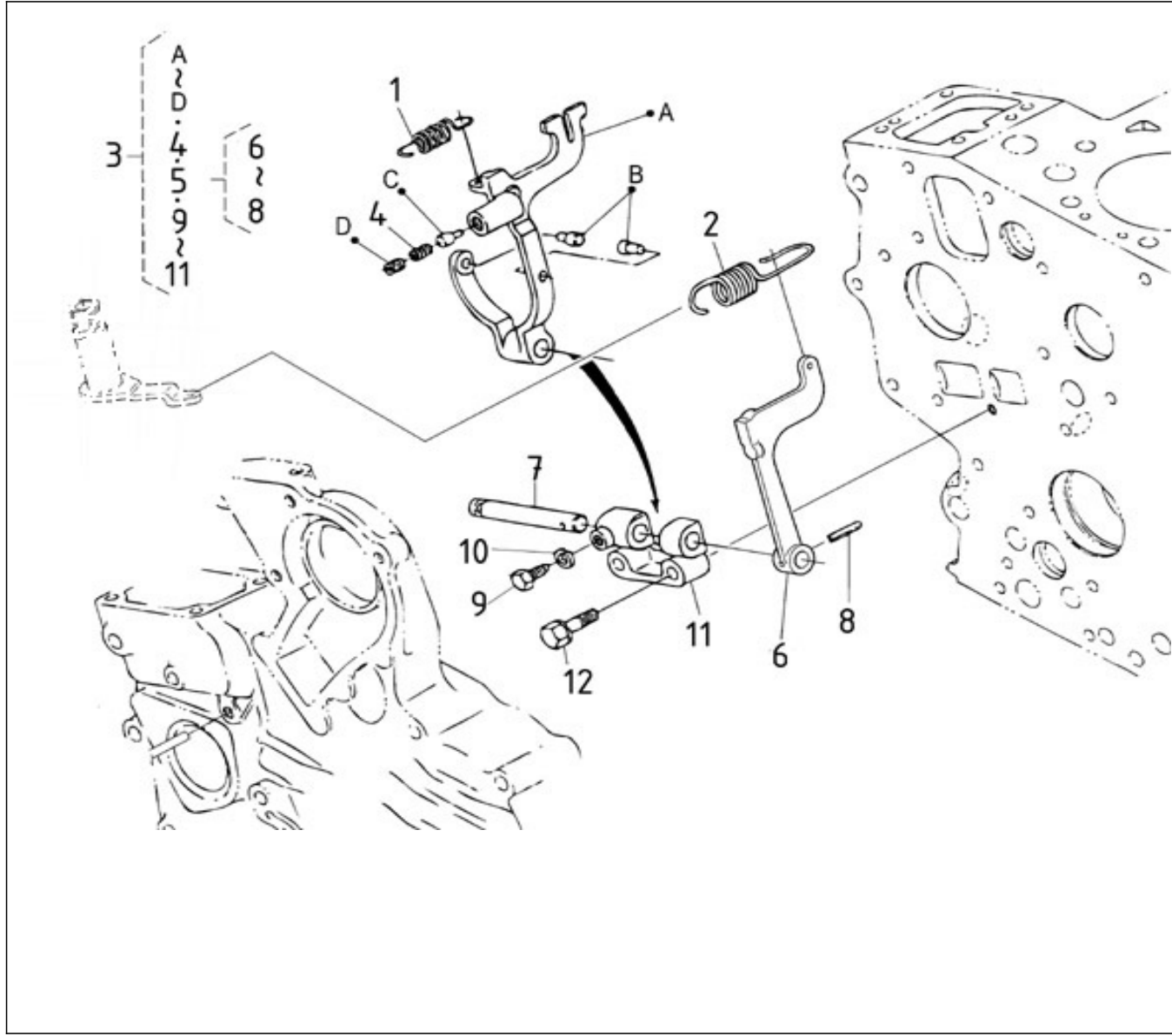


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Brand: NanniDiesel
Model: Moteur N3.21
Version: Standard
Subassembly: Governor

N.	Item	Description	Qty	Notes
1	970311165	SPRING	1	
2	970313906	SPRING,GOVERNOR	1	
3	970313488	ASSY LEVER,FORK	1	
4	970313381	SPRING	1	
5	970141318	LEVER, GOVERNOR FORK 2 CPL 2.4	1	
6	970314157	LEVER, GOVERNOR FORK	1	
7	970141319	SHAFT, GOVERNOR	1	
8	970141320	PIN, LEVER GOVERNOR	1	
9	970491322	BOLT	1	
10	970300318	WASHER,SPRING D 5	1	
11	970141321	SUPPORT, GOVERNOR 2.40	1	
12	970141325	BOLT, M6X35	2	



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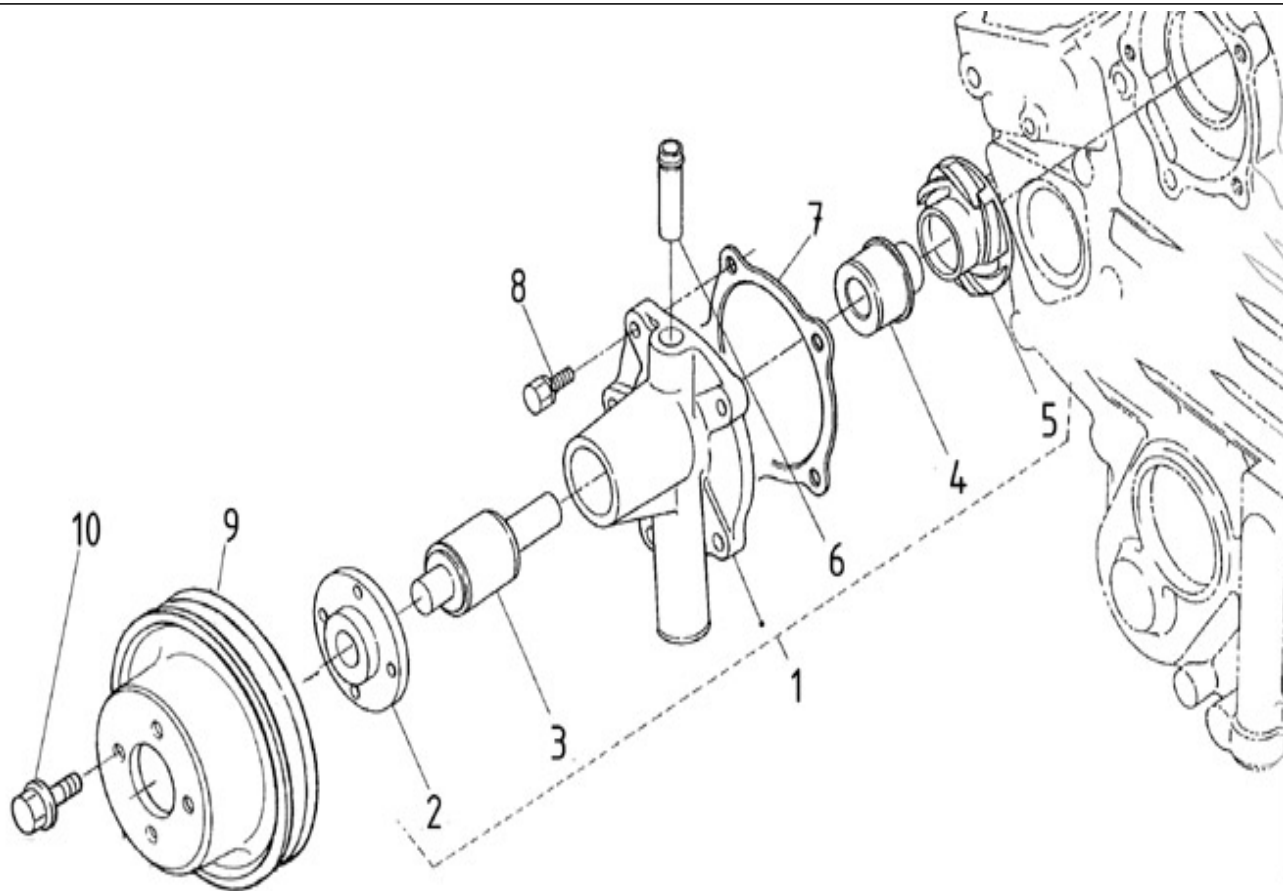
Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Fresh water pump

N.	Item	Description	Qty	Notes
1	970307624	ASSY PUMP,WATER	1	
2	970307625	FLANGE,WATER PUMP	1	
3	970307626	BEARING,BALL(RADIAL)	1	
4	970307627	ASSY SEAL,MECHANICAL	1	
5	970307628	IMPELLER,WATER PUMP	1	
6	970313857	PIPE,WATER RETURN (AFTER N°KTE08070398 )	1	
7	970315053	GASKET,WATER PUMP	1	
8	970141537	BOLT, M6X22	4	
9	970144312	PULLEY	1	
10	970313345	BOLT,FLANGE	4	



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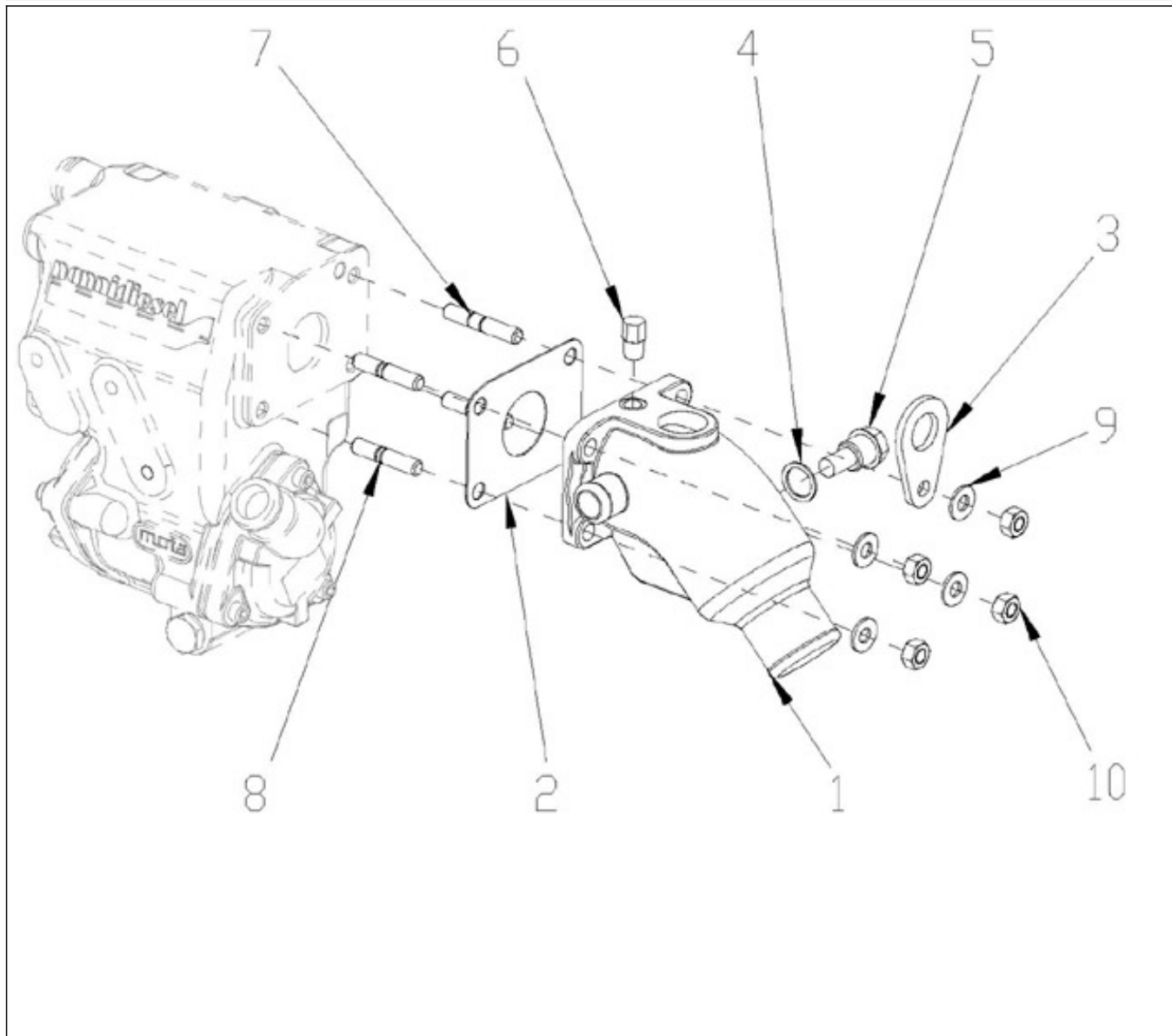
Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Exhaust elbow

N.	Item	Description	Qty	Notes
1	970307024APR	MIXER	1	
2	970307015	GASKET	1	
3	970140901	HOOK, ENGINE 2.40	1	
4	970300199	GASKET,RING D16	1	
5	970494635	ANODE,ZINC CPL M16X1,5	1	
6	970307265	PLUG,HEX 1/8	1	
7	39020308	STUD BOLT	2	
8	970300080	STUD,M 8X 25 (+++ FIX TURBO )	2	
9	970119139	WASHER,CORRUGATED D8 (DONT 3 PTO )	4	
10	970300079	NUT,M 8 SPECIAL	4	



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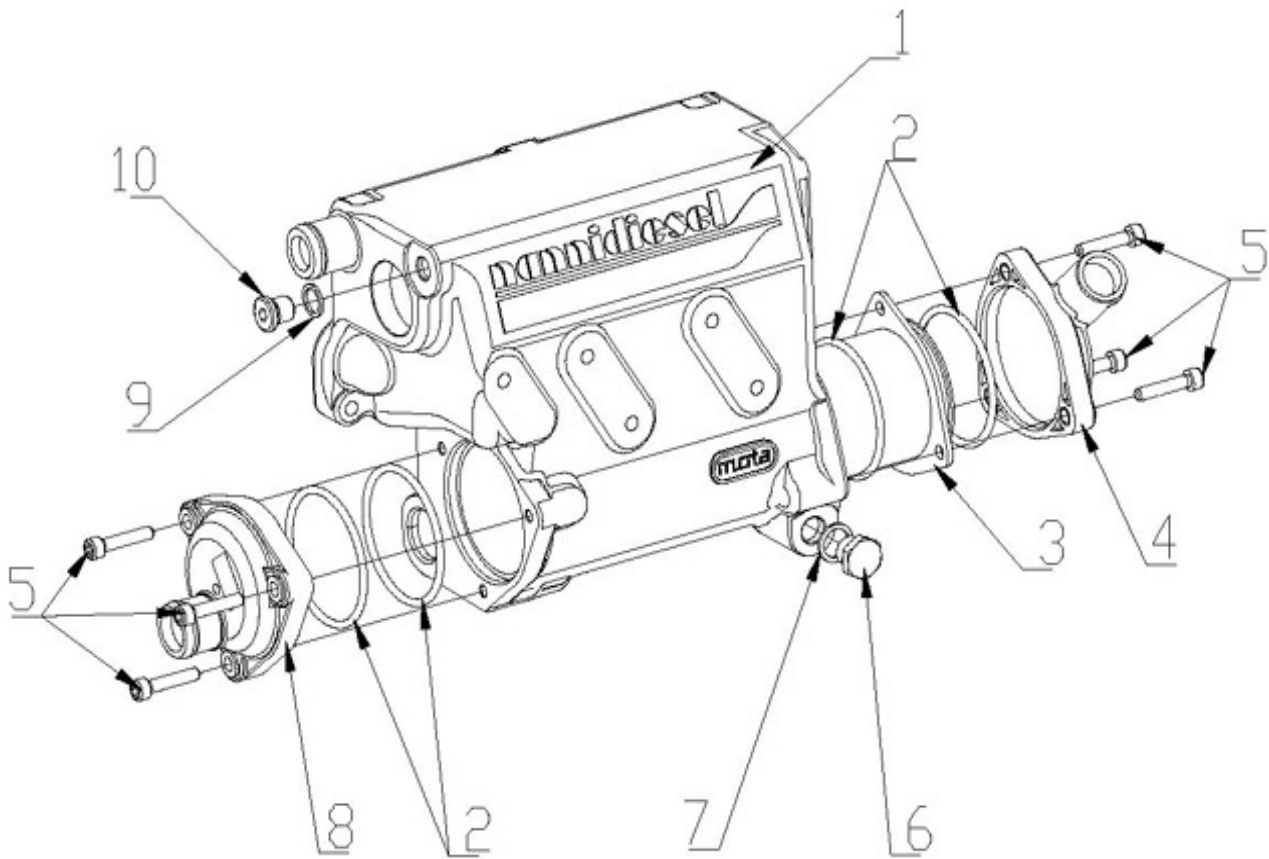
Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Heat exchanger

N.	Item	Description	Qty	Notes
1	970313732	HOUSING,HEATEXCHANGER	1	
2	48418183	O RING	4	
3	970313731	TUBE STACK	1	
4	970313276	COVER, WATER INLET	1	
5	970634037	BOLT,SOCK M 6X 30	6	
6	970875506	PLUG (<= N°KT08090422 )	1	
7	970300306	GASKET,RING D14 (SUR REFROID THERMO MOTA )	1	
8	970313275	COVER, WATER INLET	1	
9	970300325	RING,SEAL D12	1	
10	970314998	PLUG	1	



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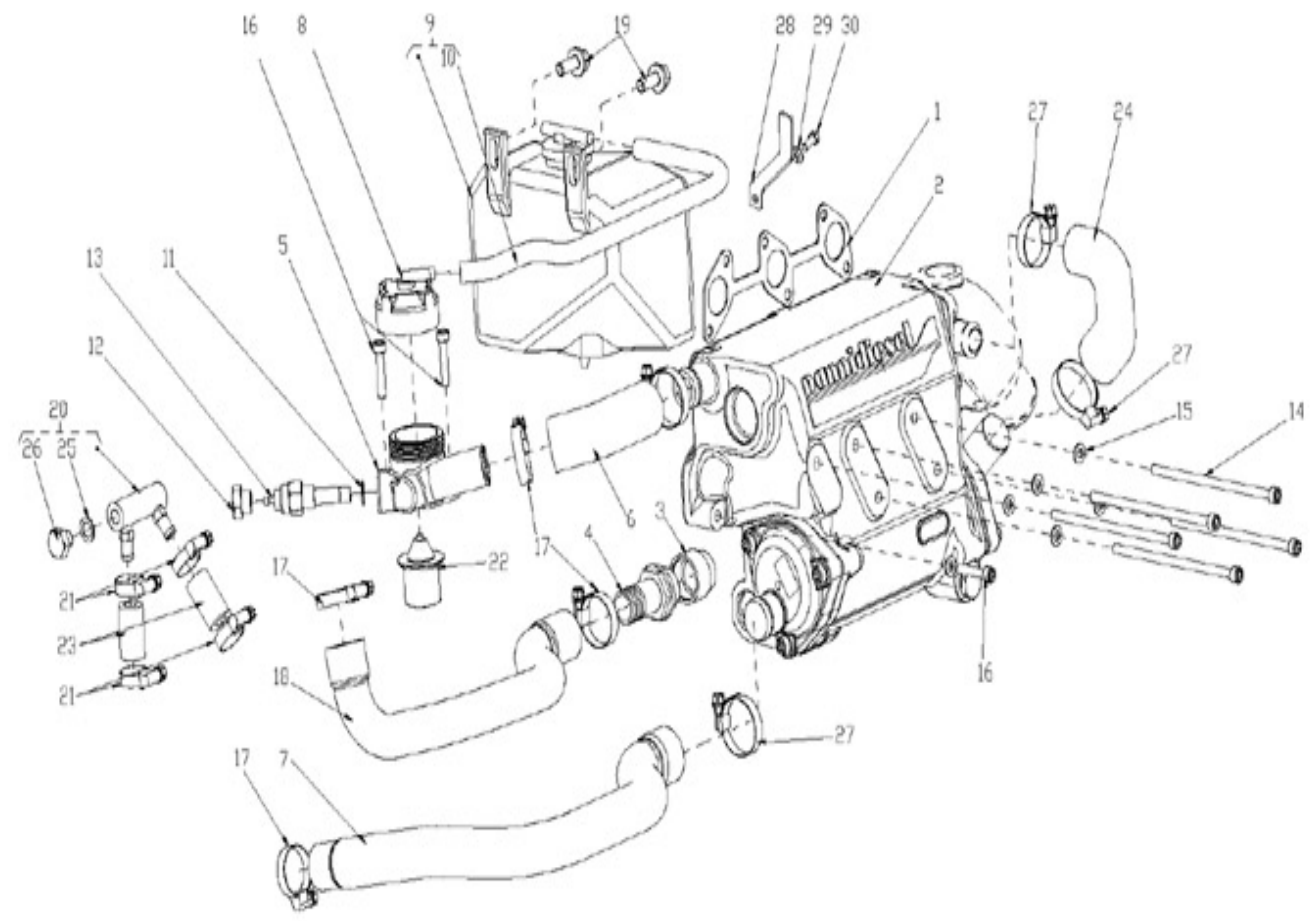
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Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Heat exchanger exh. Manifold

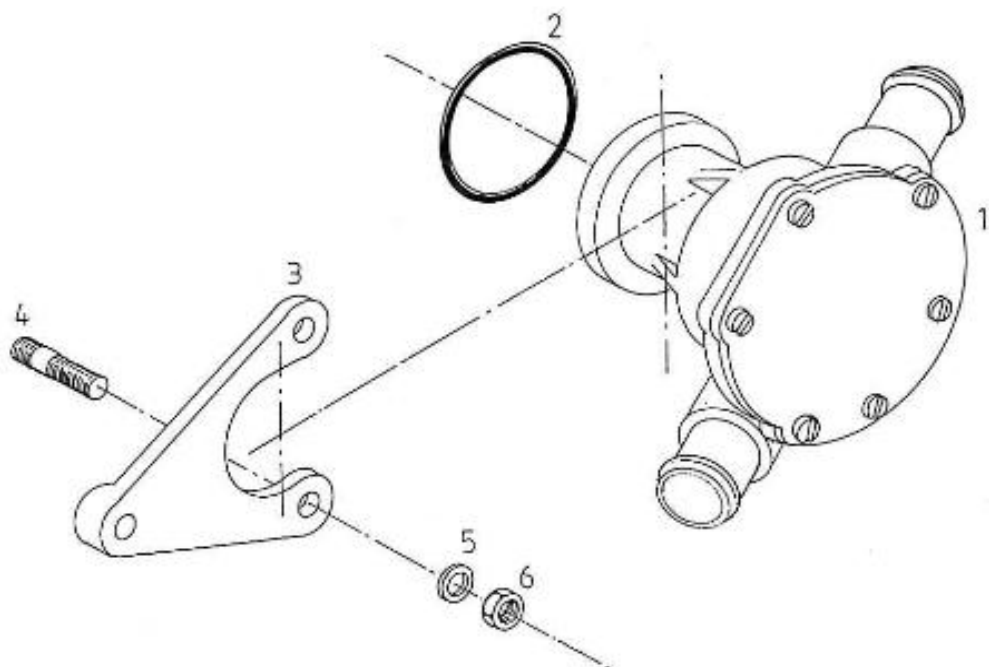


N.	Item	Description	Qty	Notes
1	970313799	GASKET	1	
2	48300403	HEAT EXCHANGER	1	
3	970313143	EXTANSION	1	
4	970313142	UNION	1	
5	95200260	WATER FLANGE	1	
6	48328150	HOSE	1	
7	48328178	HOSE	1	
8	970313176	FILLING PRESSURE CAP	1	
9	970315192	EXPANSION TANK	1	
10	970300077	HOSE,D 8 L= 450	1	
11	970300430	GASKET,RING D10 (+++ FIX TUYAU GRAISSAGE SUR	1	
12	970875506	PLUG (<= N°KT08090422 )	1	
13	970851602	WATER TEMPERATURE SENDER	1	
14	39160732	BOLT	5	
15	970609602	WASHER,CORRUGATED D 6 (GRAISSEE SERRAGE 1.7	6	
16	970634037	BOLT,SOCK M 6X 30	3	
17	970310214	CLAMP 20 X 32 X 9 (COTE COUDE )	5	
18	48328168	HOSE	1	
19	39160661	BOLT (+++SUPPRIMER LA VIS DU MONTAGE STANDARD )	2	
20	KP103A50	BREATHER	1	
21	970310244	ASSY THERMOSTAT	1	
22	970310244	ASSY THERMOSTAT	1	
23	32808002	FUEL HOSE ISO 7840 D8	0.08	
24	48328175	HOSE	1	
25	970300430	GASKET,RING D10 (+++ FIX TUYAU GRAISSAGE SUR	1	
26	41169405	PLUG	1	
27	970604526	CLAMP,HOSE 22-32 (COTE ECHANGEUR )	3	
28	95310806	BRACKET	1	
29	970119138	WASHER,SPRING D 8 (TENDEUR )	1	
30	39160661	BOLT (+++SUPPRIMER LA VIS DU MONTAGE STANDARD )	1	

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Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur N3.21	1	970307808	PUMP,WATER	1	
Version: Standard	2	970494025	O-RING	1	
Subassembly: Seawater pump Ass	3	970307809	FLANGE	1	
	4	970154026	STUD,M 6X 22	3	
	5	970609602	WASHER,CORRUGATED D 6 (GRAISSEE SERRAGE 1.7	3	
	6	970635460	NUT,M 6	3	

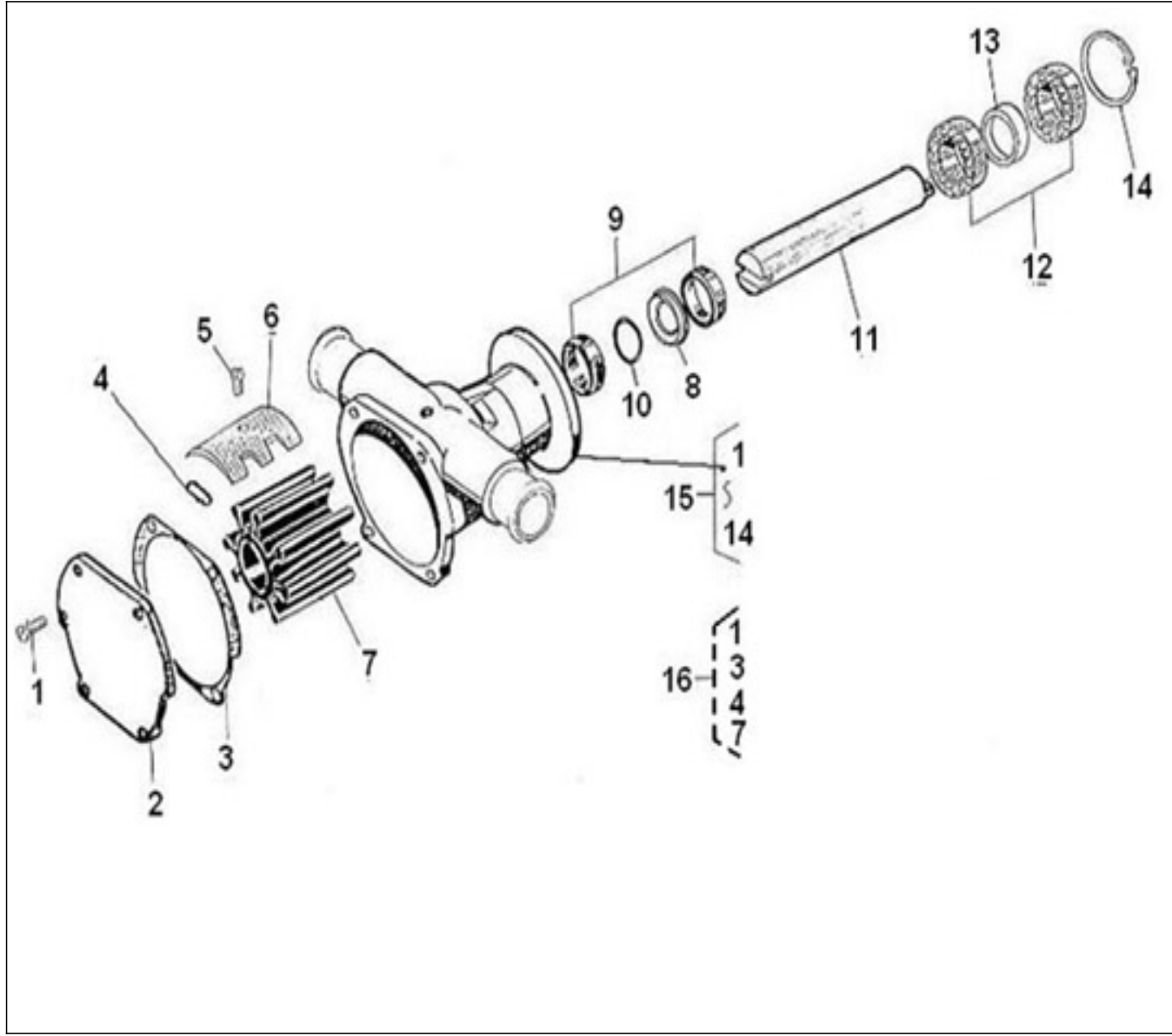


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Brand: NanniDiesel
Model: Moteur N3.21
Version: Standard
Subassembly: Sea water pump

N.	Item	Description	Qty	Notes
1	970303686	SCREW,COVER W/PUMP F35B-9	6	
2	970303691	COVER,WATER PUMP F4B-9	1	
3	970504028	GASKET,F4B-9	1	
4	970303687	SCREW,CAM WATER PUMP	1	
5	970303687	SCREW,CAM WATER PUMP	1	
6	970504034	CAM,WATER PUMP F4B-9	1	
7	970434013	IMPELLER,WATER PUMP F 4B D 12	1	
8	970307738	SPACER	1	
9	970434031	RING,SEAL OIL W/PUMP F35B-9	2	
10	970307744	O-RING	1	
11	970307734	PUMP SHAFT	1	
12	970303692	BEARING,CASE WATER PUMP F4B-9	2	
13	970307739	SPACER	1	
14	970303693	RING,RETAINING WATER PUMP F4B-	1	
15	970307808	PUMP,WATER	1	
16	970307749	REPAIR KIT	1	

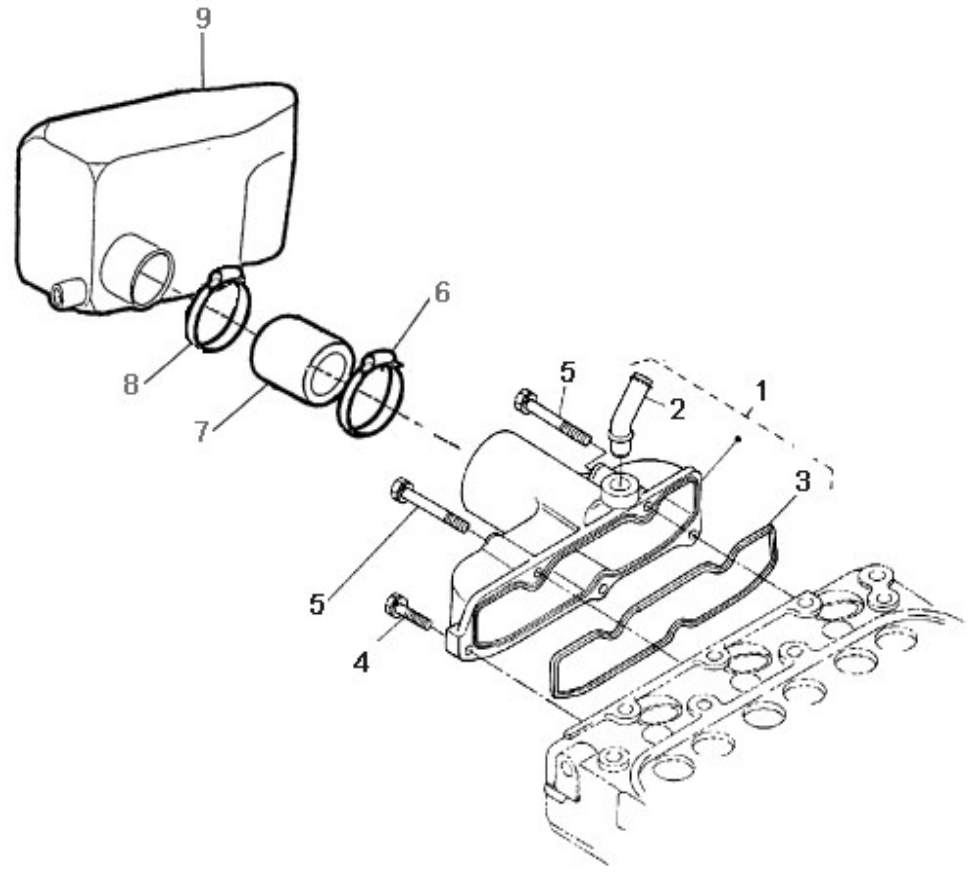


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Brand: NanniDiesel  
 Model: Moteur N3.21  
 Version: Standard  
 Subassembly: Intake manifold

N.	Item	Description	Qty	Notes
1	970313492	ASSY MANIFOLD INLET	1	
2	970313457	PIPE,BREATHER	1	
3	970307828	GASKET,MANIFOLD NA	1	
4	970490119	BOLT,M 6X 18	2	
5	970302736	BOLT,M 6X 45	3	
6	970604533	CLAMP,HOSE 32-44 (QUANTITE 8 R.P. 4 LE 19/06/2008 )	1	
7	970301611	HOSE,AIR FILTER 2. 40-2.60/HE (++++COLLAGE A LA	1	
8	970634621	CLAMP,HOSE	1	
9	970301330	FILTER,AIR HE	1	



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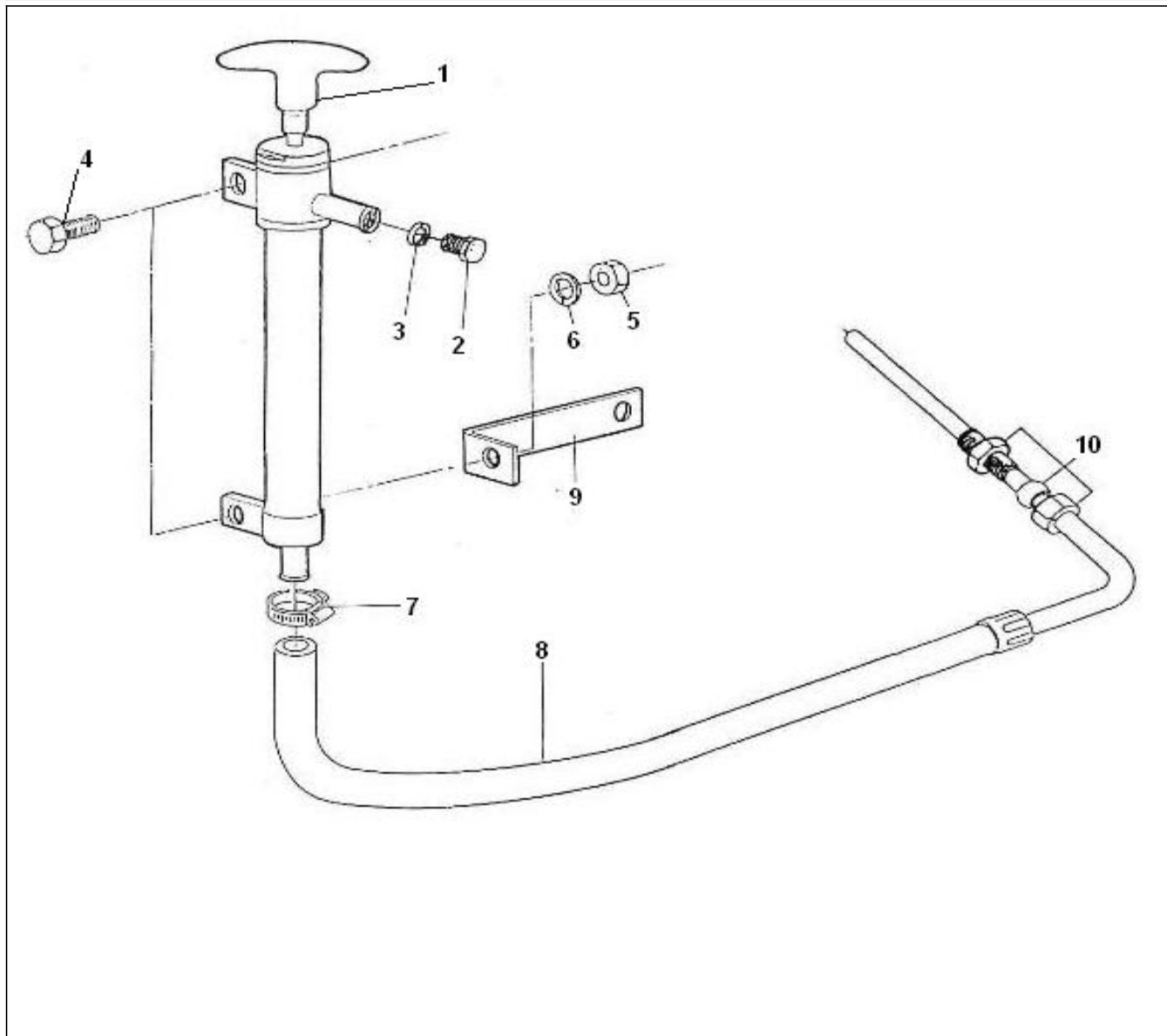
Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Oil extraction pump

N.	Item	Description	Qty	Notes
1	970439302	PUMP,OIL EXTRACTION	1	
2	970832061	BOLT	1	
3	970300288	GASKET,M8 (FIX TUYAU GRAISSAGE )	1	
4	970439910	BOLT,HEX M 6X 16 (+++FIX.SUPPORT AG ACC )	2	
5	970635460	NUT,M 6	1	
6	970119149	WASHER, SPRING D 6 (Pour protection injecteur )	1	
7	970439306	CLAMP (++POUR DURITE ORIGINE REF HUILE MOTEUR )	1	
8	970313197	DRAIN OIL PIPE	1	
9	970307019	BRACKET (SUPPORT DE CLAPET REMPLACE SUP FILTRE	1	
10	970310026	CONNECTION	1	



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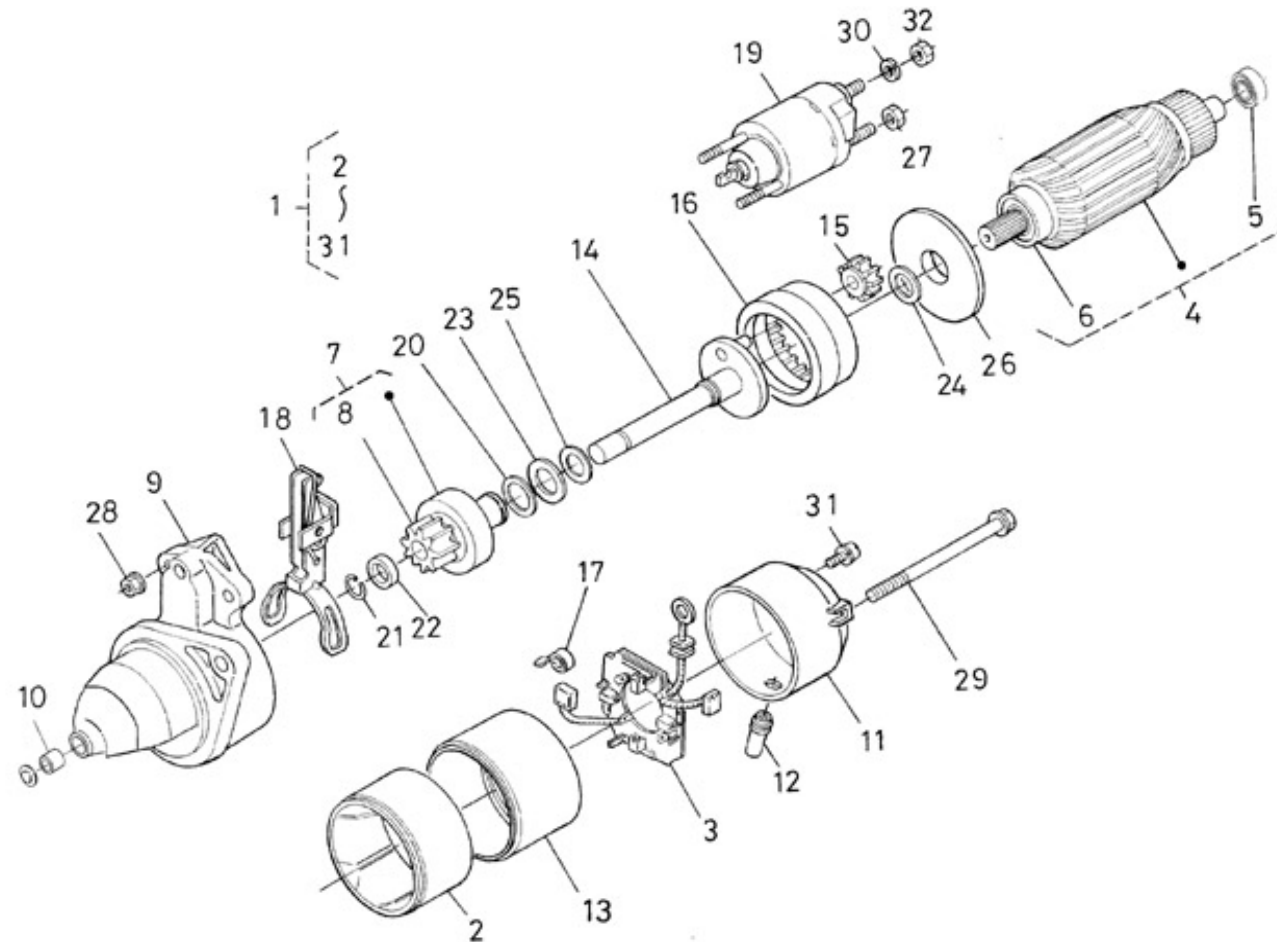
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Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Starter motor



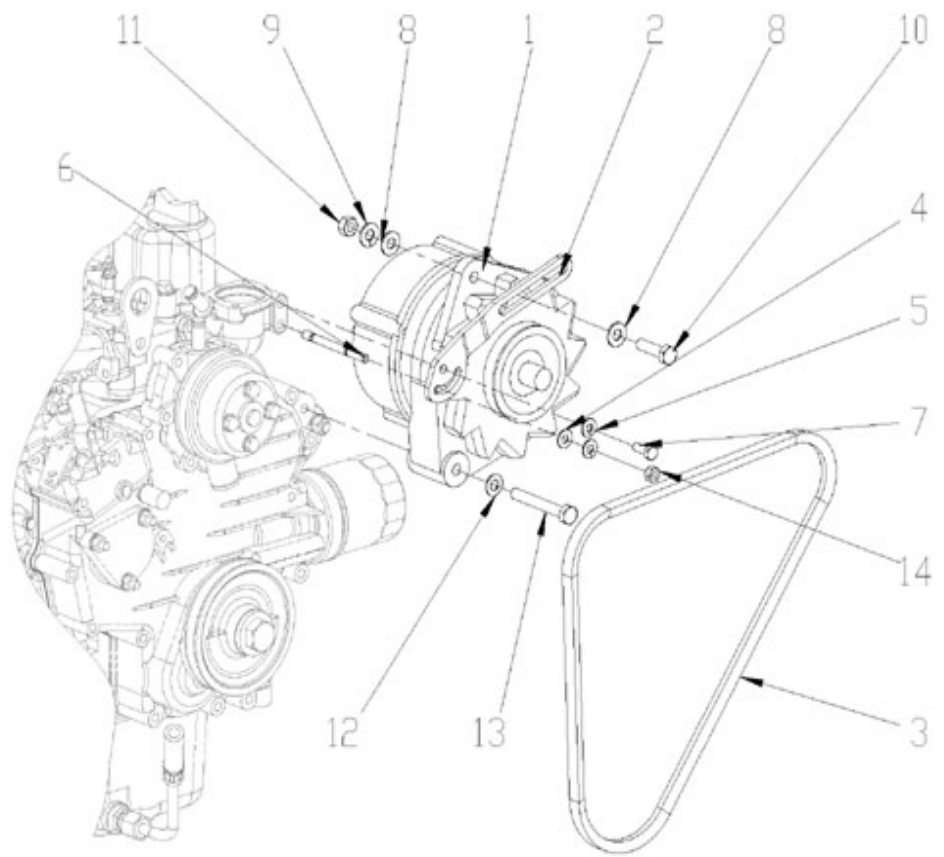
N.	Item	Description	Qty	Notes
1	970313218	ASSY STARTER	1	
2	970313460	ASSY YOKE,STARTER	1	
3	970313364	ASSY HOLDER	1	
4	970313461	ASSY ARMATURE	1	
5	970303959	BEARING,CASE	1	
6	970314188	BEARING,BALL	1	
7	970313465	ASSY CLUTCH,STARTER	1	
8	970314261	GEAR,PINION	1	
9	970313458	ASSY HOUSING,STARTER	1	
10	970313462	BEARING	1	
11	970312471	ASSY FRAME	1	
12	970313358	COVER	1	
13	970313365	ASSY BEARING	1	
14	970313466	ASSY SHAFT,STARTER	1	
15	970313362	GEAR	3	
16	970313363	GEAR	1	
17	970517318	SPRING,BRUSH	2	
18	970313360	LEVER	1	
19	970312485	ASSY SWITCH,MAGNETIC	1	
20	970313361	RING,SNAP	1	
21	970313357	RING,SNAP	1	
22	970313359	COLLAR	1	
23	970313366	WASHER,PLAIN	1	
24	970313367	WASHER,PLAIN	1	
25	970313368	WASHER,PLAIN	1	
26	970313369	PLATE	1	
27	970313416	NUT,HEXAGON	1	
28	970497340	NUT	2	
29	970313356	BOLT,THROUGH	2	
30	970490904	WASHER,SPRING D 8	1	
31	970313467	SCREW	2	
32	970303966	NUT	1	

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Brand: NanniDiesel
Model: Moteur N3.21
Version: Standard
Subassembly: Alternator Assy.Std.

N.	Item	Description	Qty	Notes
1	48201149	ALTERNATOR 12V-70A	1	
2	95310765	ADJUSTER	1	
3	48108138	V BELT	1	
4	970635459	WASHER,PLAIN D 6 (CALAGE )	1	
5	970119149	WASHER, SPRING D 6 (Pour protection injecteur )	2	
6	39020550	STUD M6-60,J12,cl 8,8,ZN	1	
7	970439910	BOLT,HEX M 6X 16 (+++FIX.SUPPORT AG ACC )	1	
8	970027323	WASHER,PLAIN D 8	2	
9	970119138	WASHER,SPRING D 8 (TENDEUR )	1	
10	970119148	BOLT, HEX M 8X 30 (+++ FIX . ALT AU NIVEAU DU	1	
11	970027322	NUT,M 8 (++ECROU FIL DEMARREUR )	1	
12	970119139	WASHER,CORRUGATED D8 (DONT 3 PTO )	1	
13	970639603	BOLT,HEX M 8X 65 (++FIX ALTERNATEUR )	1	
14	970635459	WASHER,PLAIN D 6 (CALAGE )	1	

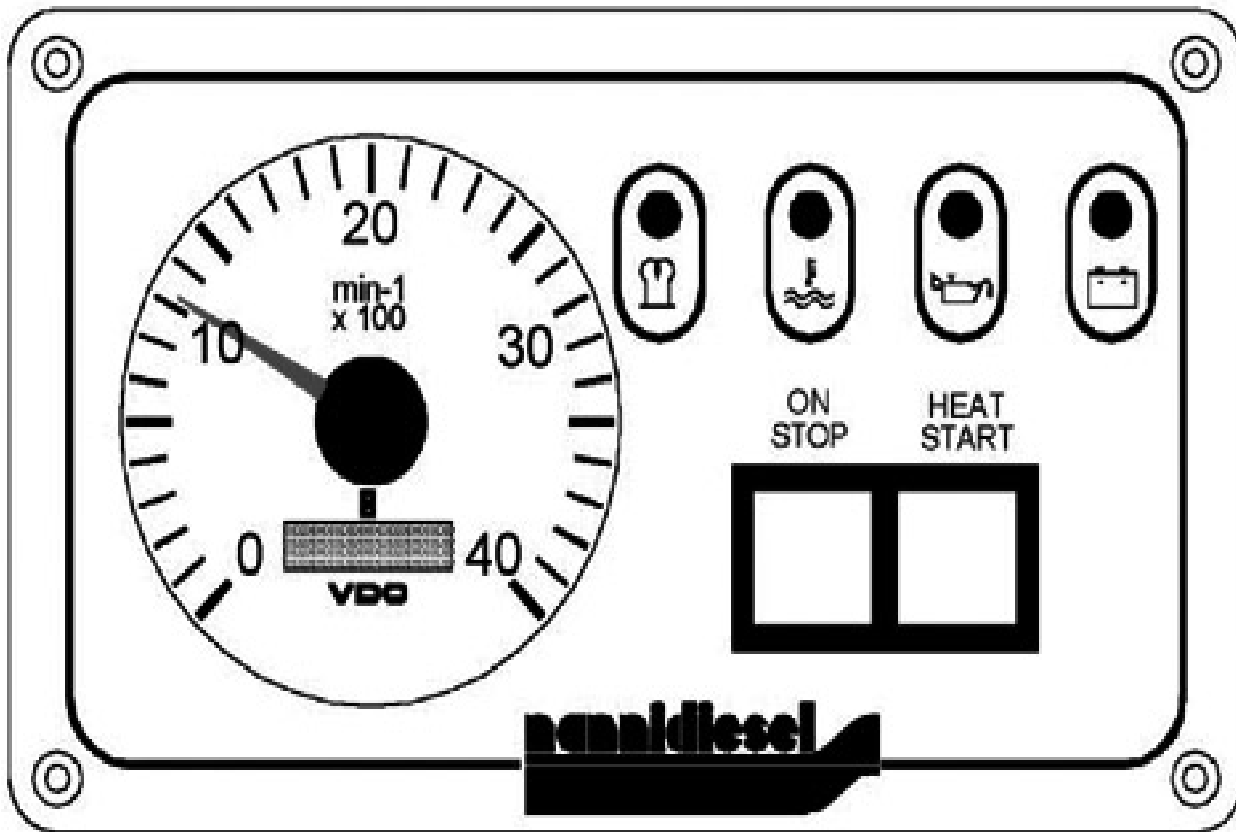


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Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur N3.21	1	674389	PANEL (REPLACE 674359 )	1	
Version: Standard					
Subassembly: Panel					

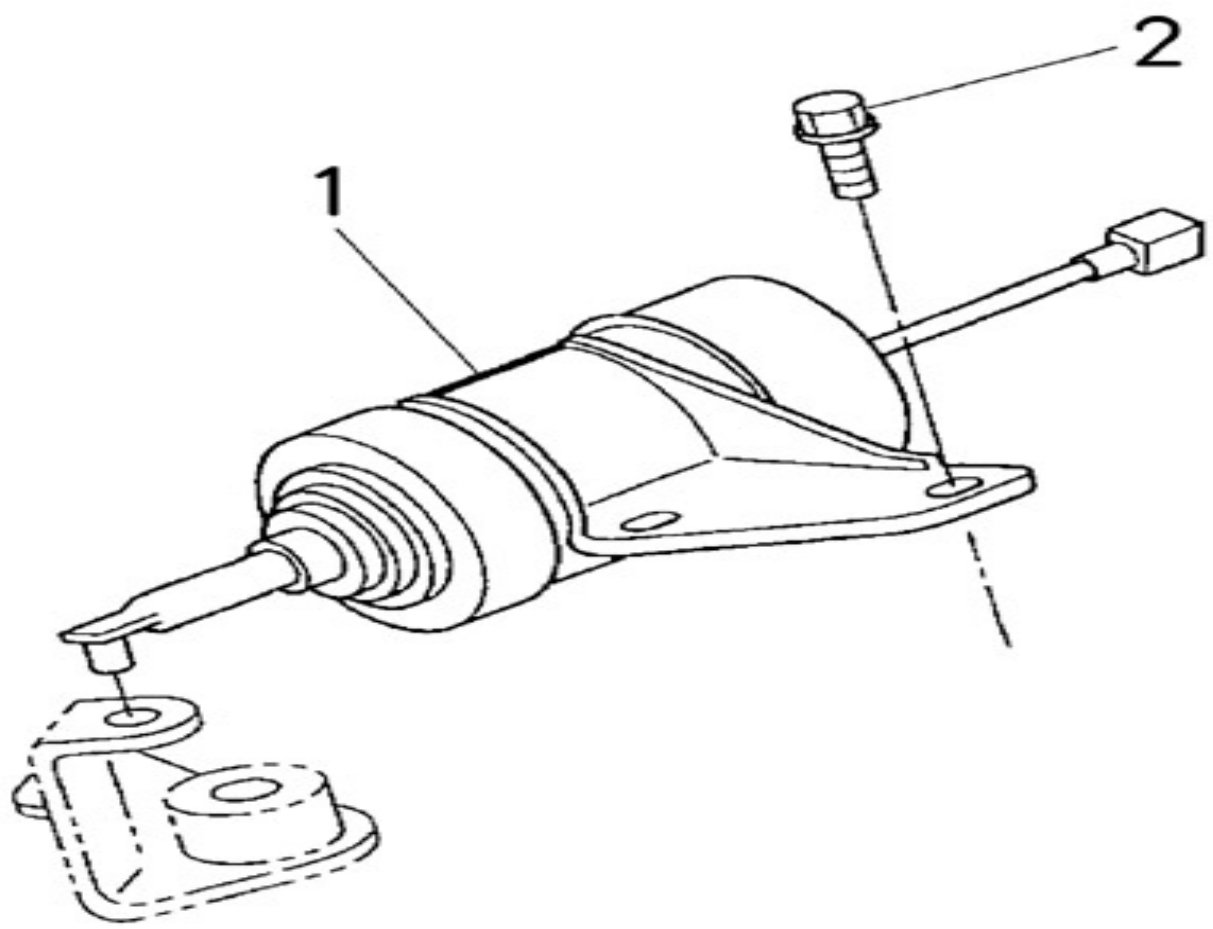


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Brand: NanniDiesel
Model: Moteur N3.21
Version: Standard
Subassembly: Electric stop

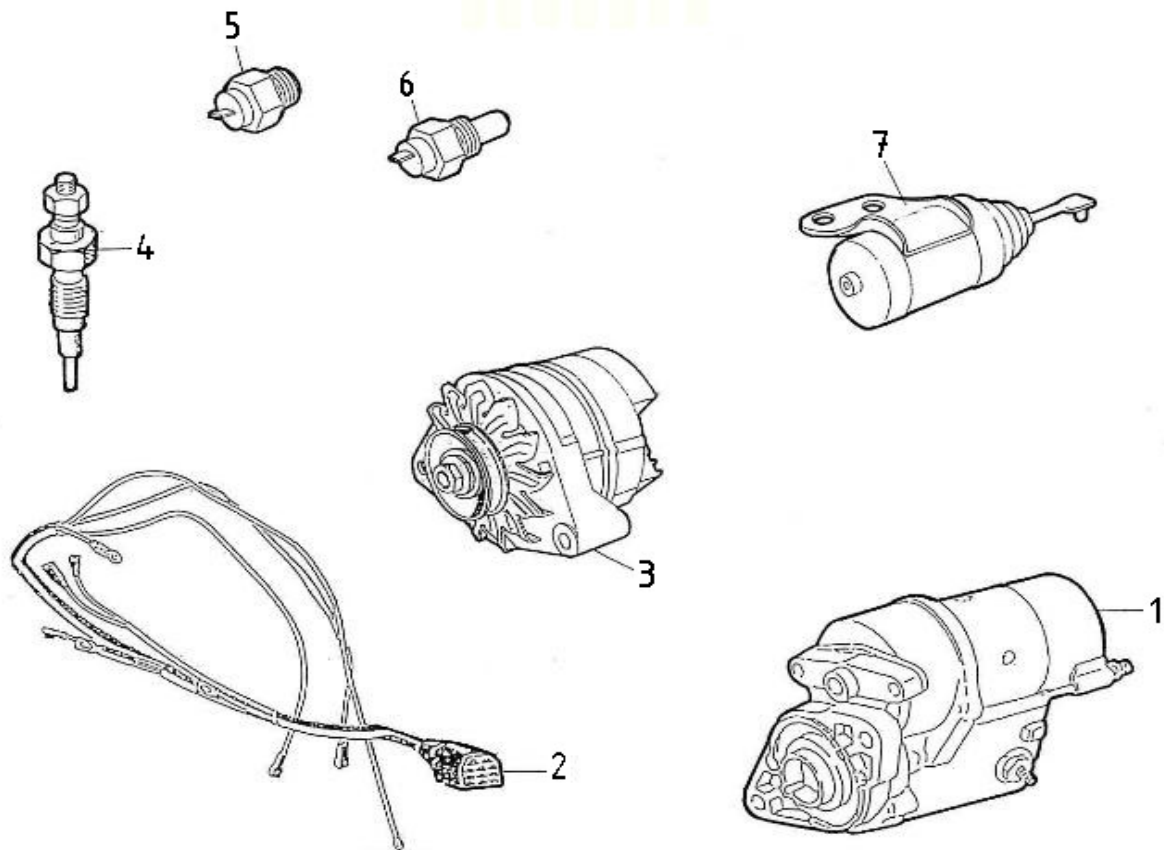
N.	Item	Description	Qty	Notes
1	970307669	SOLENOID,STOP	1	
2	39160735	BOLT	2	



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Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur N3.21	1	970313218	ASSY STARTER	1	
Version: Standard	2	674485	WIRING	1	
Subassembly: Electrics	3	48201149	ALTERNATOR 12V-70A	1	
	4	970307591	GLOW PLUG	1	
	5	970851700	SWITCH,OIL	1	
	6	970304054	TEMPERATURE SWITCH 1/8 1P 97°C	1	
	7	970307669	SOLENOID,STOP	1	



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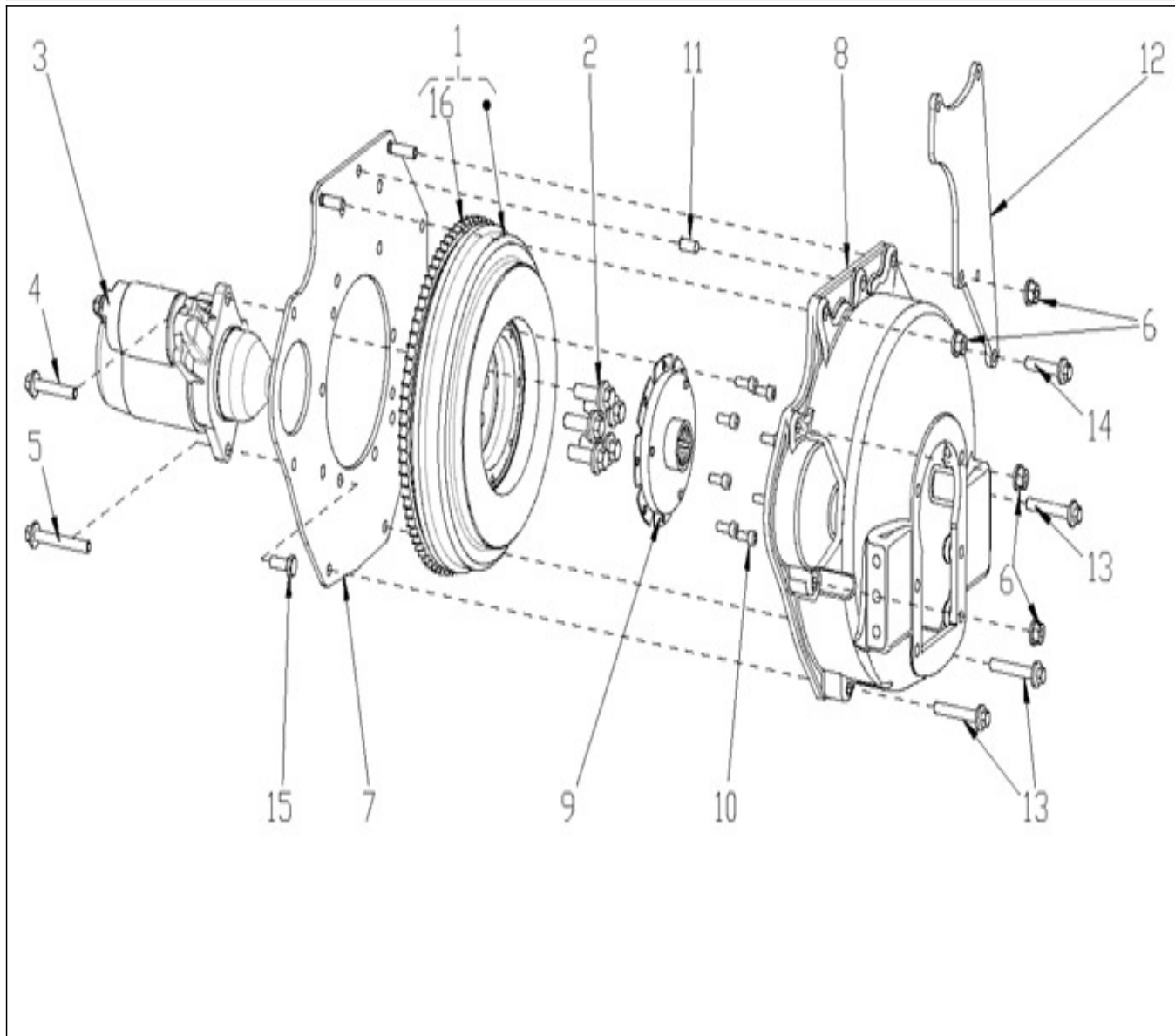
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Brand: NanniDiesel

Model: Moteur N3.21

Version: Standard

Subassembly: Flywheel housing

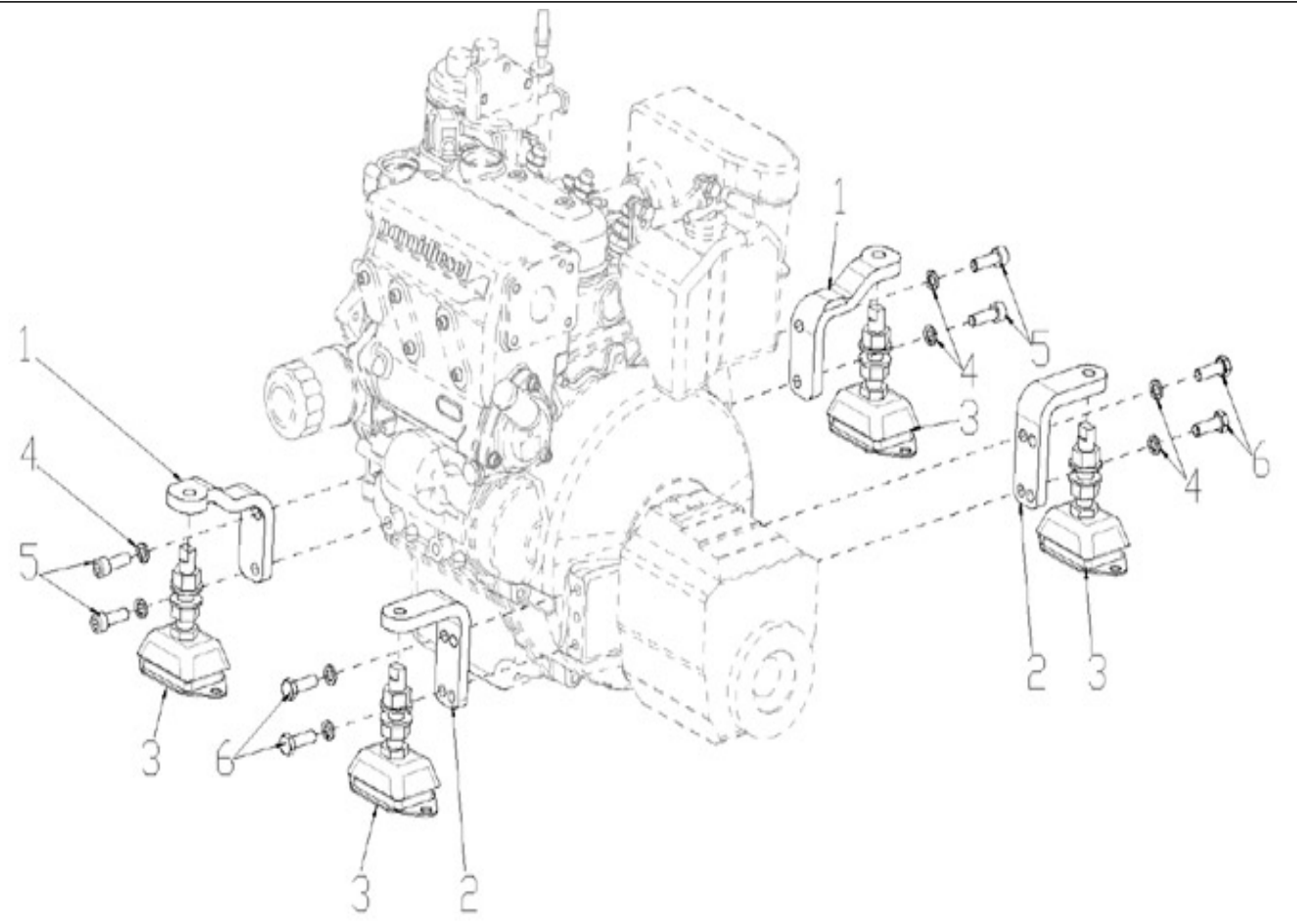


N.	Item	Description	Qty	Notes
1	970313313	COMP.FLYWHEEL (Sortie dans 95312364B pour usinage )	1	
2	970313309	BOLT	5	
3	970313218	ASSY STARTER	1	
4	39160926	BOLT	4	
5	39160925	BOLT	1	
6	39460916	NUT (+++FIX ECHANGEUR )	4	
7	970314273	PLATE,REAR END	1	
8	95200257	HOUSING	1	
9	970776050	DAMPERPLATE,121 DIN	1	
10	970119147	BOLT, SOCK M 6X12 (++LOCTITE 243 (BLEU) MONTAGE	8	
11	970490111	PIN,CYLINDRICAL	1	
12	95310774	BRACKET	1	
13	39160642	BOLT	3	
14	39160639	BOLT	1	
15	970313428	BOLT	8	
16	970313418	GEAR,RING	1	

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Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur N3.21	1	95310762	FOOT	2	
Version: Standard	2	95310763	FOOT	2	
Subassembly: Engine mount	3	48190036	MOUNT,RUBBER CPL.45 SMALL	4	
	4	970119136	WASHER,SPRING D10 (POUR INVERSEUR )	8	
	5	39129602	BOLT	4	
	6	970649721	BOLT,HEX M10X 30 ( ++Fixer support refroid sans bloquage )	4	



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