

# SPARE PARTS CATALOGUE

Brand: NANNI DIESEL

Model: Moteur 4.390TDI

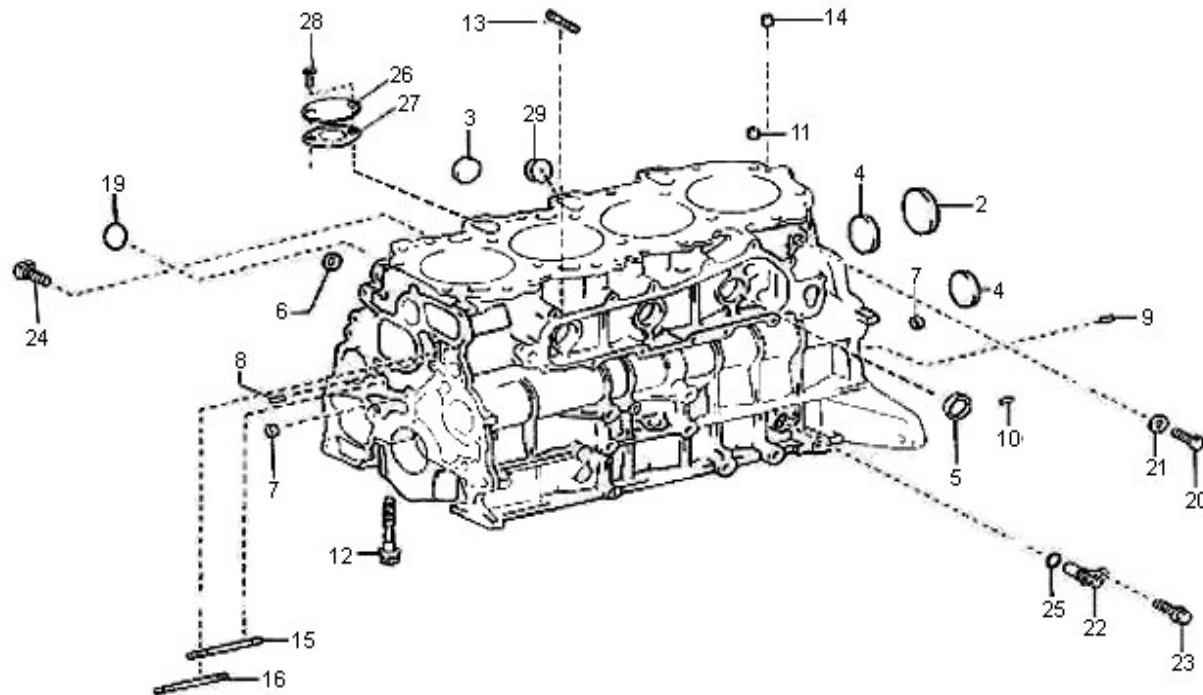
Version: Standard

Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Crank case / Cylinders



N.	Item	Description	Qty	Notes
1	970315555	KIT BLOCK M1KZ	1	
2	970312033	CAP,FREEZE	1	
3	970312034	PLUG	3	
4	970312035	CAP, SEALING	2	
5	970312036	CAP, SEALING	3	
6	970312037	CAP, SEALING	1	
7	970312038	CAP,FREEZE	2	
8	970312097	PIN, STRAIGHT	2	
9	970312040	PIN, STRAIGHT	2	
10	970312120	PIN,STRAIGHT	2	
11	970312042	PIN, RING	2	
12	970312043	BOLT	10	
13	970312044	STUD	2	
14	970312045	OIL DUCT, CYLINDER BLOCK	1	
15	970312046	STUD	3	
16	970312044	STUD	1	
19	970312048	RING O	1	
20	970312049	PLUG, STRAIGHT SCREW W/HEAD	1	
21	970312268	GASKET	1	
22	970312051	PLUG,HOLE	1	
23	970312261	BOLT FLANGE	1	
24	970312053	PLUG,CYLINDER BLOCK HOLE	1	
25	970312054	O RING	1	
26	970312055	PLATE,WATER SEAL	1	
27	970312259	GASKET	1	
28	970312057	BOLT,FLANGE	2	
29	970312058	CAP, SEALING	1	

V. 07/02/2012

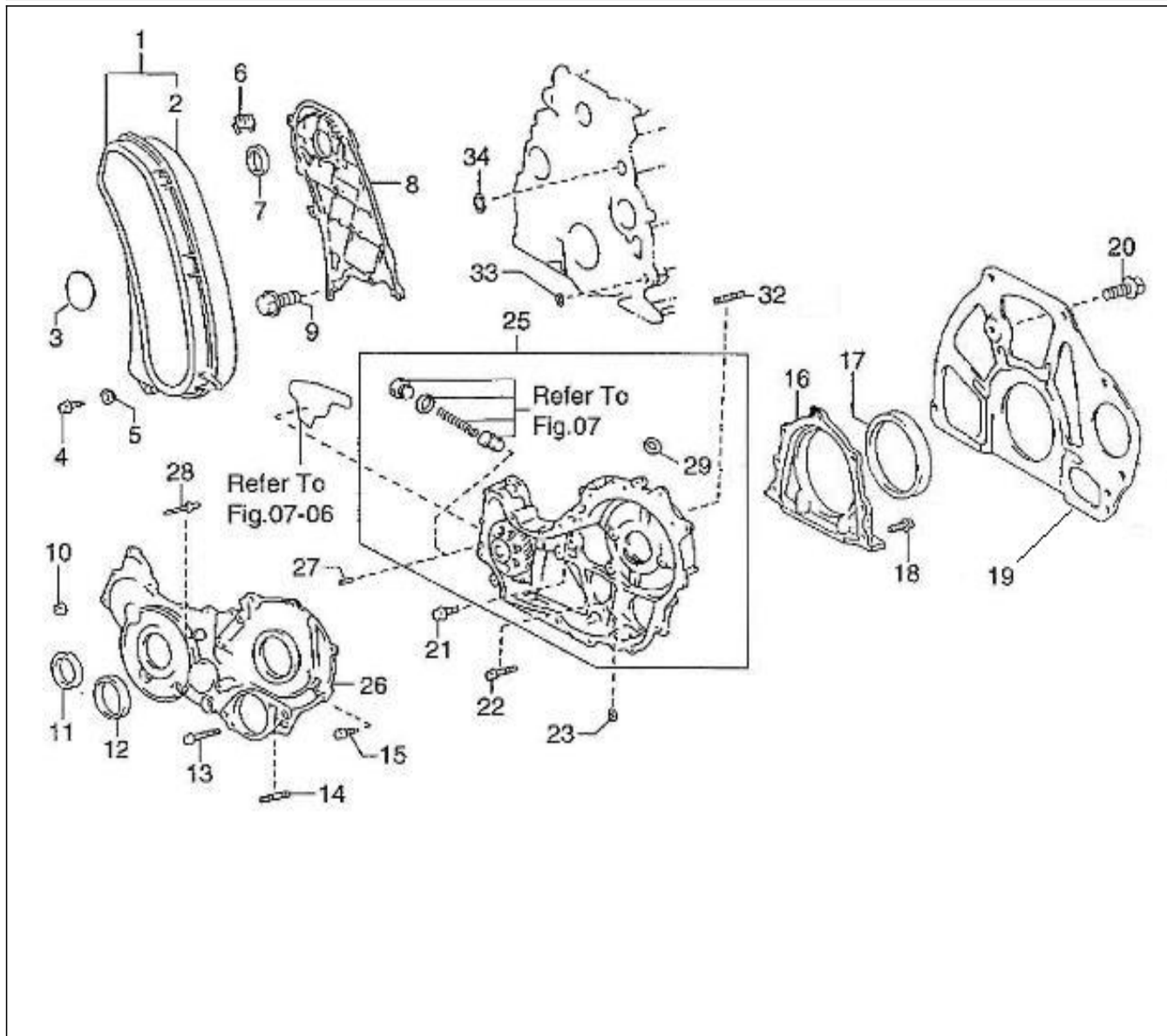
Pag. 2/40

Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Timing case



N.	Item	Description	Qty	Notes
1	970312072	COVER	1	
2	970312073	GASKET,GAER CASE NA	1	
3	970312074	PLUG	1	
4	970312075	BOLT	4	
5	970312076	WASHER, SEAL	4	
6	970312077	CLIP	2	
7	970312078	GASKET	1	
8	970312079	RETAINER, CAM SHAFT OIL SEAL	1	
9	970312080	BOLT, WASHER BASED HEAD HEXAGO	7	
10	970312061	NUT	2	
11	970312082	GASKET	1	
12	970312083	GASKET	1	
13	970312084	BOLT	4	
14	970312085	STUD	2	
15	970312251	BOLT	10	
16	970312087	RETAINER, OIL SEAL	1	
17	970312088	GASKET	1	
18	970312251	BOLT	5	
19	970312090	PLATE, RR END, N°1	1	
20	970312091	BOLT, FLANGE	1	
21	970312092	BOLT, UNION	1	
22	970312210	BOLT,W/WASHER	8	
23	970312094	O RING	1	
25	970312095	CASE ASSY, TIMING GEAR	1	
26	970312096	COVER	1	
27	970312097	PIN, STRAIGHT	1	
28	970312098	POINTER TIMING	1	
29	970312099	GASKET, OIL PUMP RELIEF VALVE	1	
32	970312100	STUD	2	
33	970312101	O-RING - GEAR CASE	1	
34	970312102	O RING	1	

V. 07/02/2012

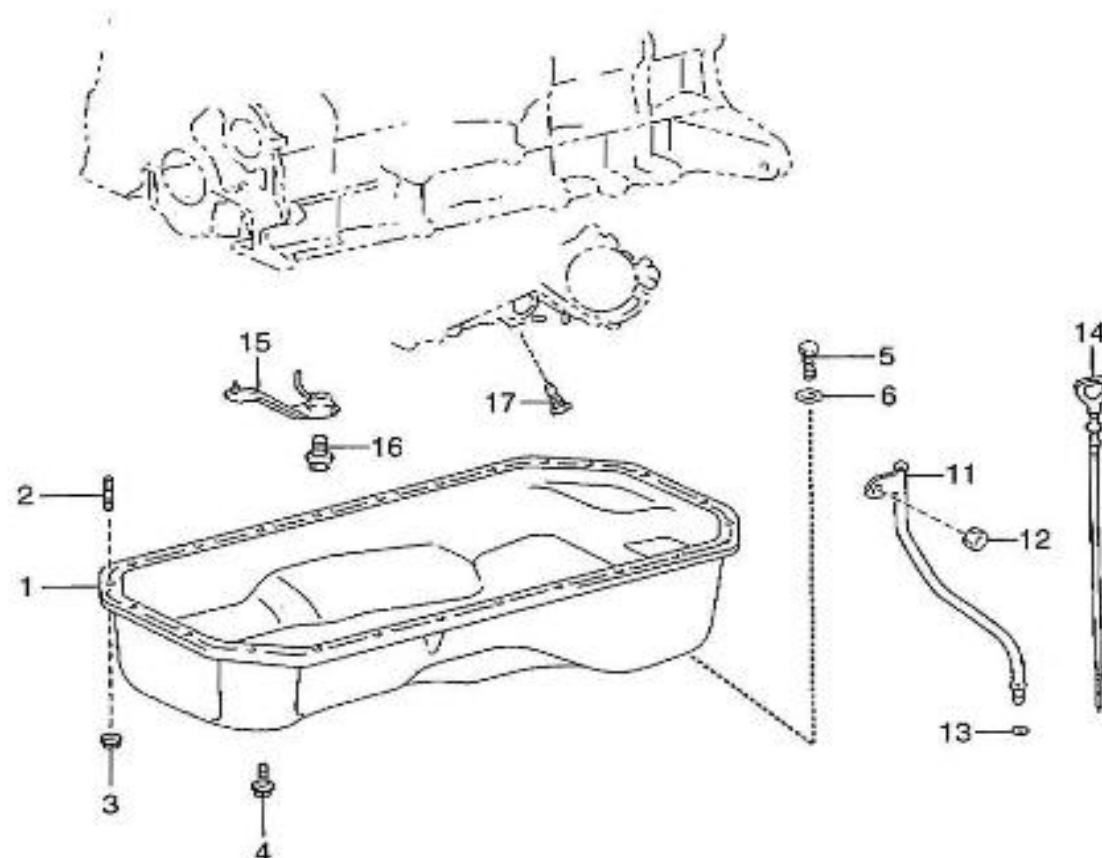
Pag. 3/40

Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Oil pan



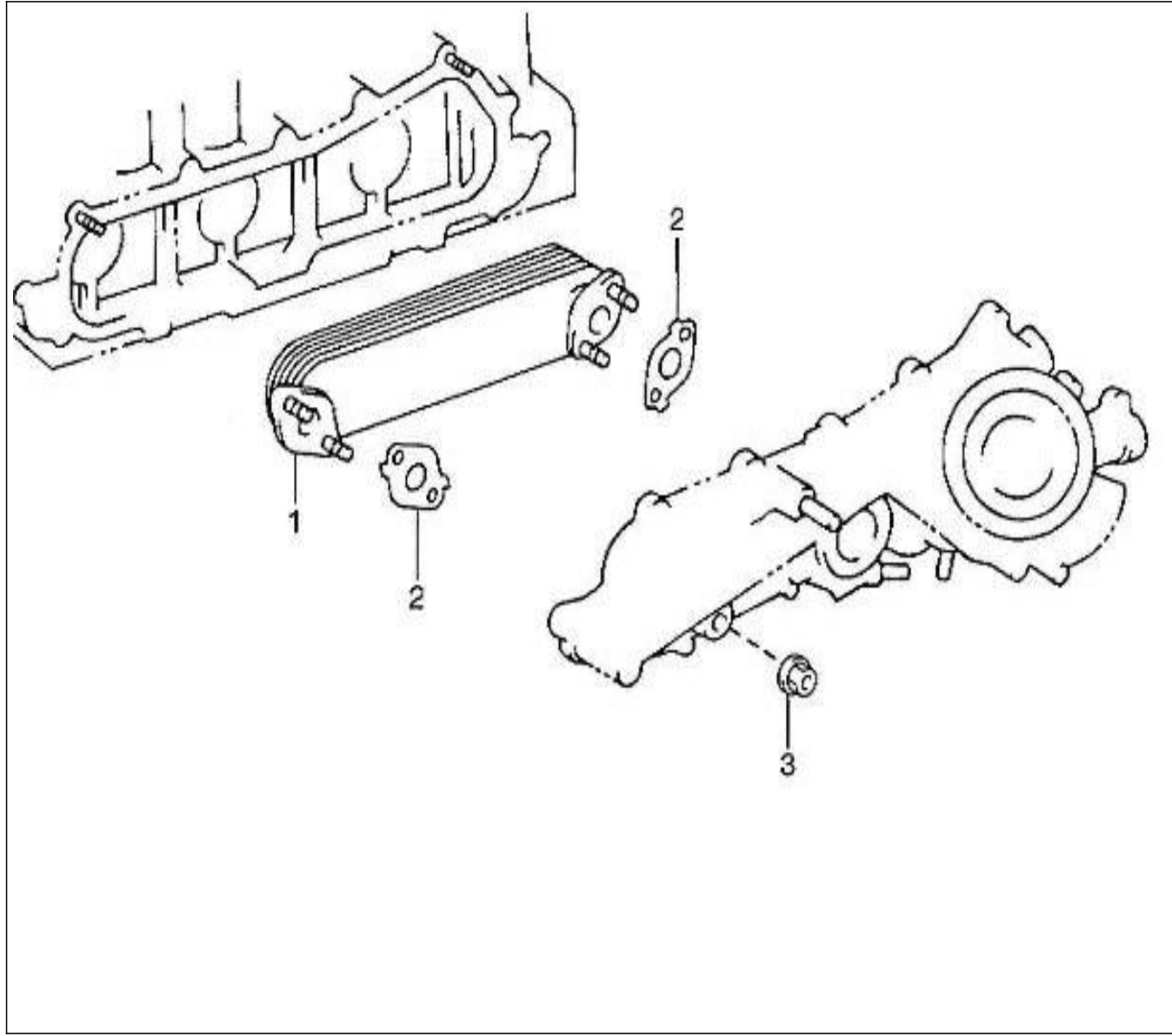
N.	Item	Description	Qty	Notes
1	970312059	PAN SUB-ASSY, OIL	1	
2	970312060	STUD	2	
3	970312061	NUT	2	
4	970312062	BOLT, W/WASHER	22	
5	970312063	PLUG, W/HEAD STRAIGHT SCREW	1	
6	970312064	GASKET	1	
11	970312065	GUIDE, OIL LEVEL	1	
13	970312094	O RING	1	
14	970312067	DIPSTICK	1	
15	970312068	NOZZLE SUB ASSY, OIL, N°1	4	
16	970312069	VALVE SUB ASSY, OIL CHECK	4	
17	970312070	VALVE SUB ASSY, OIL CHECK	4	
18	970312071	PLUG	1	

V. 07/02/2012

Pag. 4/40

Brand: NanniDiesel
Model: Moteur 4.390TDI
Version: Standard
Subassembly: Oil cooler

N.	Item	Description	Qty	Notes
1	970312218	COOLER ASSY,OIL	1	
2	970312219	GASKET	2	
3	970312278	NUT	4	

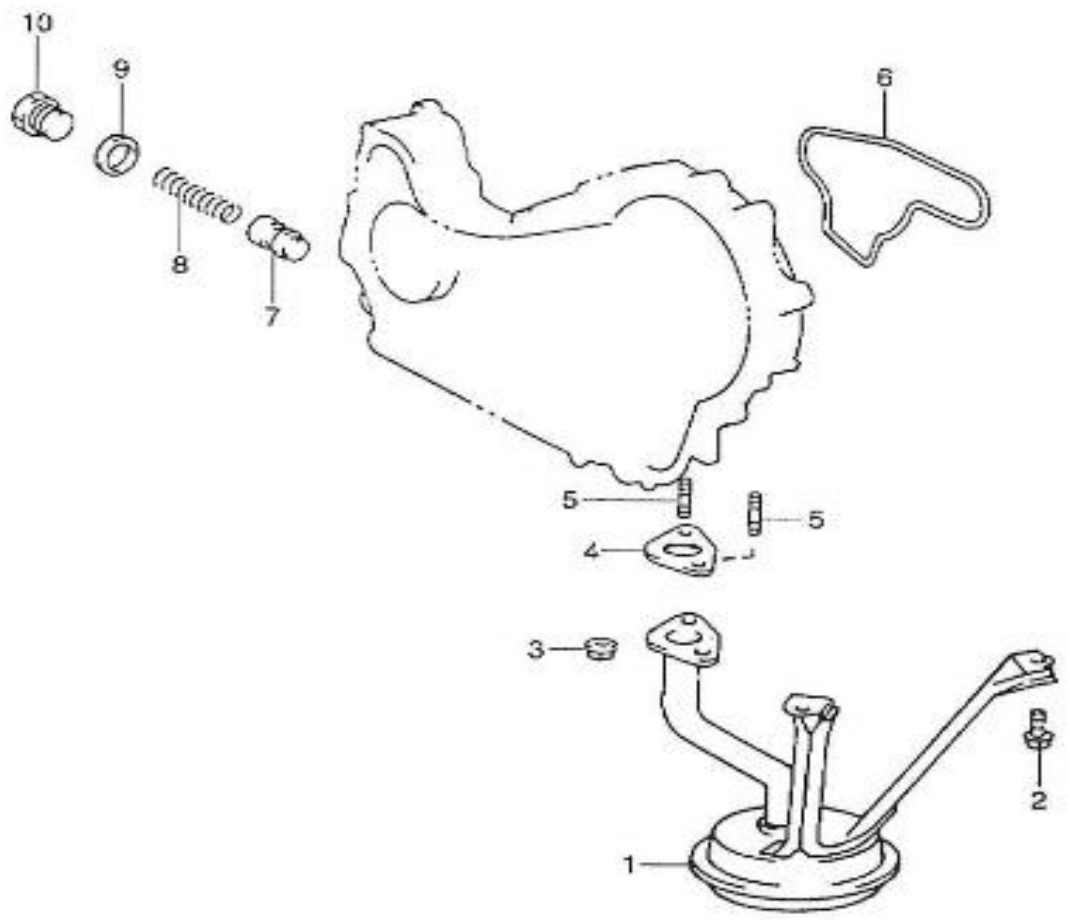


V. 07/02/2012

Pag. 5/40

Brand: NanniDiesel  
 Model: Moteur 4.390TDI  
 Version: Standard  
 Subassembly: Oil pump

N.	Item	Description	Qty	Notes
0	970312095	CASE ASSY, TIMING GEAR	1	
1	970312196	STRAINER SUB-ASSY,OIL	1	
2	970312062	BOLT, W/WASHER	2	
3	970312061	NUT	2	
4	970312199	GASKET,OILSTRAINER FLANGE	1	
5	970312060	STUD	2	
6	970312201	GASKET,OIL PUMP	1	
7	970312202	VALVE,OIL PUMP RELIEF	1	
8	970312203	SPRING,OILPUMP RELIEF VALVE	1	
9	970312204	GASKET,OIL PUMP RELIEF VALVE	1	
10	970312205	PLUG,OIL PUMP RELIEF VALVE	1	



V. 07/02/2012

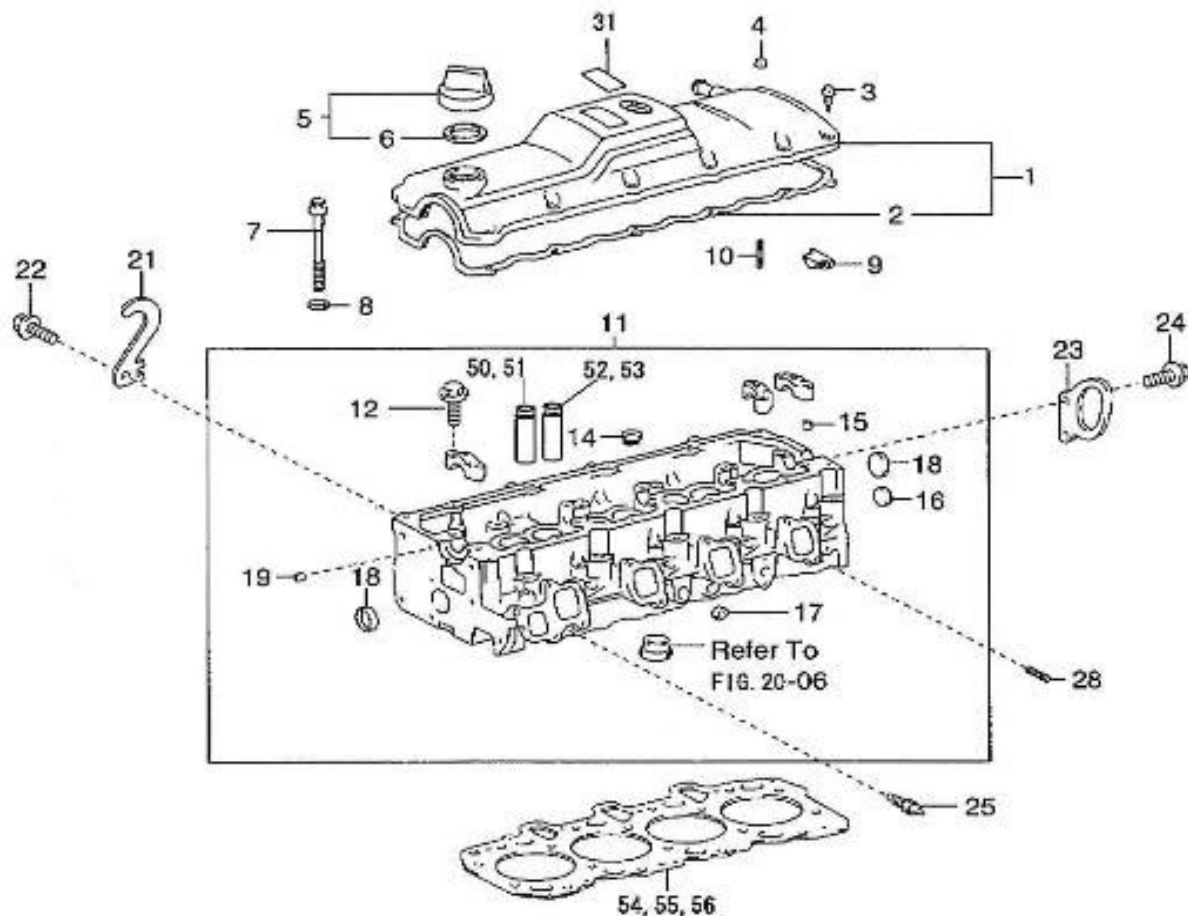
Pag. 6/40

Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Cylinder head



N.	Item	Description	Qty	Notes
1	970312001	COVER ASSY, CYLINDER HEAD	1	
2	970312002	GASKET	1	
3	970312003	BOLT	10	
4	970312004	NUT	2	
5	970312005	PLUG	1	
6	970312006	GASKET	1	
7	970312007	BOLT	18	
8	970312008	WASHER	18	
9	970312009	HALF PLUG	1	
10	970312010	BOLT, STUD	2	
11	970312011	CYLINDER HEAD	1	
12	970312012	BOLT, WASHER BASED HEAD HEXAGO	10	
14	970312013	PLUG, STRAIGHT SCREW W/HEAD	4	
15	970312014	PIN, RING	5	
16	970312015	CAP,FREEZE	1	
17	970312037	CAP, SEALING	1	
18	970312034	PLUG	2	
19	970312018	PIN, RING	2	
21	970312019	HANGER, ENGINE N°1	1	
22	970312020	BOLT, WASHER	1	
23	970312021	HANGER, ENGINE N°2	1	
24	970312022	BOLT, WASHER BASED HEAD HEXAGO	2	
25	970312023	WATER TEMP SENDER	1	
28	970312024	STUD	8	
31	970312025	PLATE ENGINE NAME	1	
50	970312028	BUSH, HEXHAUST VALVE GUIDE (ST	4	
51	970312029	BUSH, HEXHAUST VALVE GUIDE (O/	4	
52	970312028	BUSH, HEXHAUST VALVE GUIDE (ST	4	
53	970312029	BUSH, HEXHAUST VALVE GUIDE (O/	4	
54	970312030	CYLINDER HEAD GASKET	1	
55	970313222	No longer available - CYLINDER HEAD GASKET	1	
56	970312031	CYLINDER HEAD GASKET	1	
56	970313223	No longer available - CYLINDER HEAD GASKET	1	
56	970312032	CYLINDER HEAD GASKET	1	

V. 07/02/2012

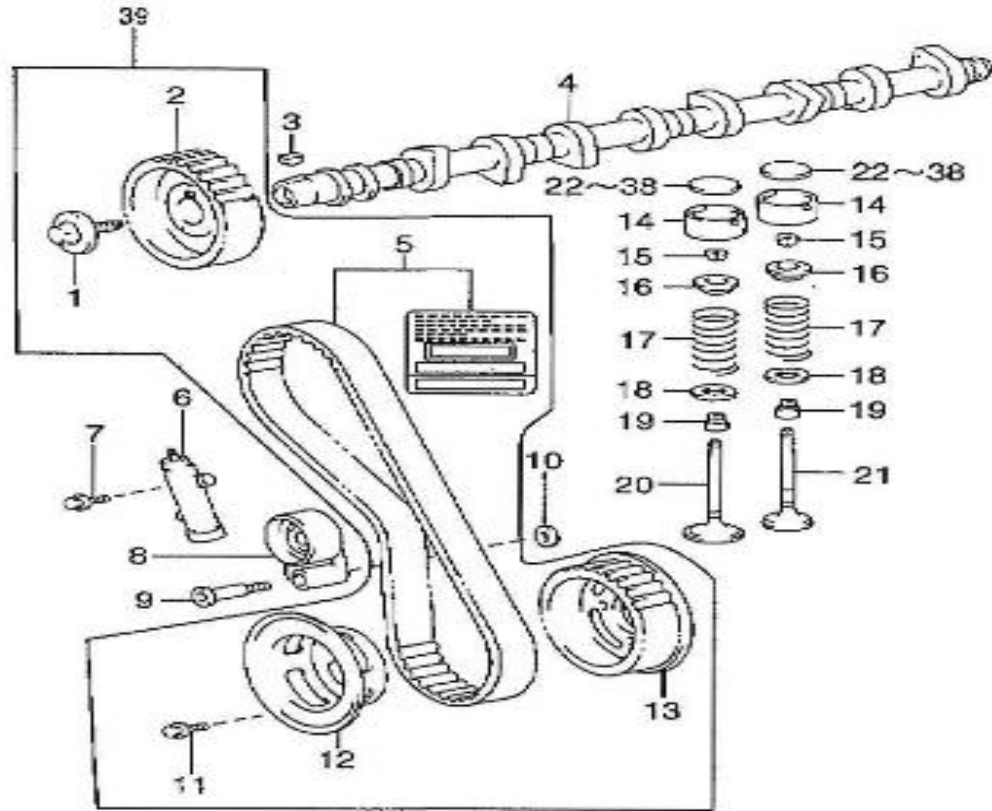
Pag. 7/40

Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Camshaft



N.	Item	Description	Qty	Notes
1	970312157	BOLT,WASHER	1	
2	970312638	PULLEY,CAMSHAFT TIMING	1	
3	970312159	KEY,WOOD RUFF	1	
4	970312160	CAMSHAFT	1	
5	970312161	BELT	1	
6	970312162	TIGHTNER	1	
7	970312163	BOLT,FLANGE	2	
8	970312164	IDLER SUB ASSY, TIMING BELT	1	
9	970312165	SHAFT, TIMING BELT IDLER	1	
10	970312166	WASHER	1	
11	970312167	BOLT,FLANGE	4	
12	970312168	FLANGE,CAMSHAFT TIMING PULLEY,	1	
13	970312169	PULLEY,CAMSHAFT TIMING,NO.2	1	
14	970312170	LIFTER,VALVE	8	
15	970312171	LOCK,VALVE SPRING RETAINER	16	
16	970312172	RETAINER,VALVE SPRING	8	
17	970312173	SPRING,COMPRESSION	8	
18	970312174	WASHER,PLATE	8	
19	970312175	GASKET	8	
20	970312176	VALVE,INTAKE	4	
21	970312177	VALE,EXHAUST	4	
22	970312178	WASHER	8	
23	970312179	WASHER	8	
24	970312180	WASHER	8	
25	970312181	WASHER	8	
26	970312182	WASHER	8	
27	970312183	WASHER	8	
28	970312184	WASHER	8	
29	970312185	WASHER	8	
30	970312186	WASHER	8	
31	970312187	WASHER	8	
32	970312188	WASHER	8	
33	970312189	WASHER	8	
34	970312190	WASHER	8	
35	970312191	WASHER	8	
36	970312192	WASHER	8	
37	970312193	WASHER	8	
38	970312194	WASHER	8	
39	970313172	TIMING BELT	1	

V. 07/02/2012

Pag. 8/40



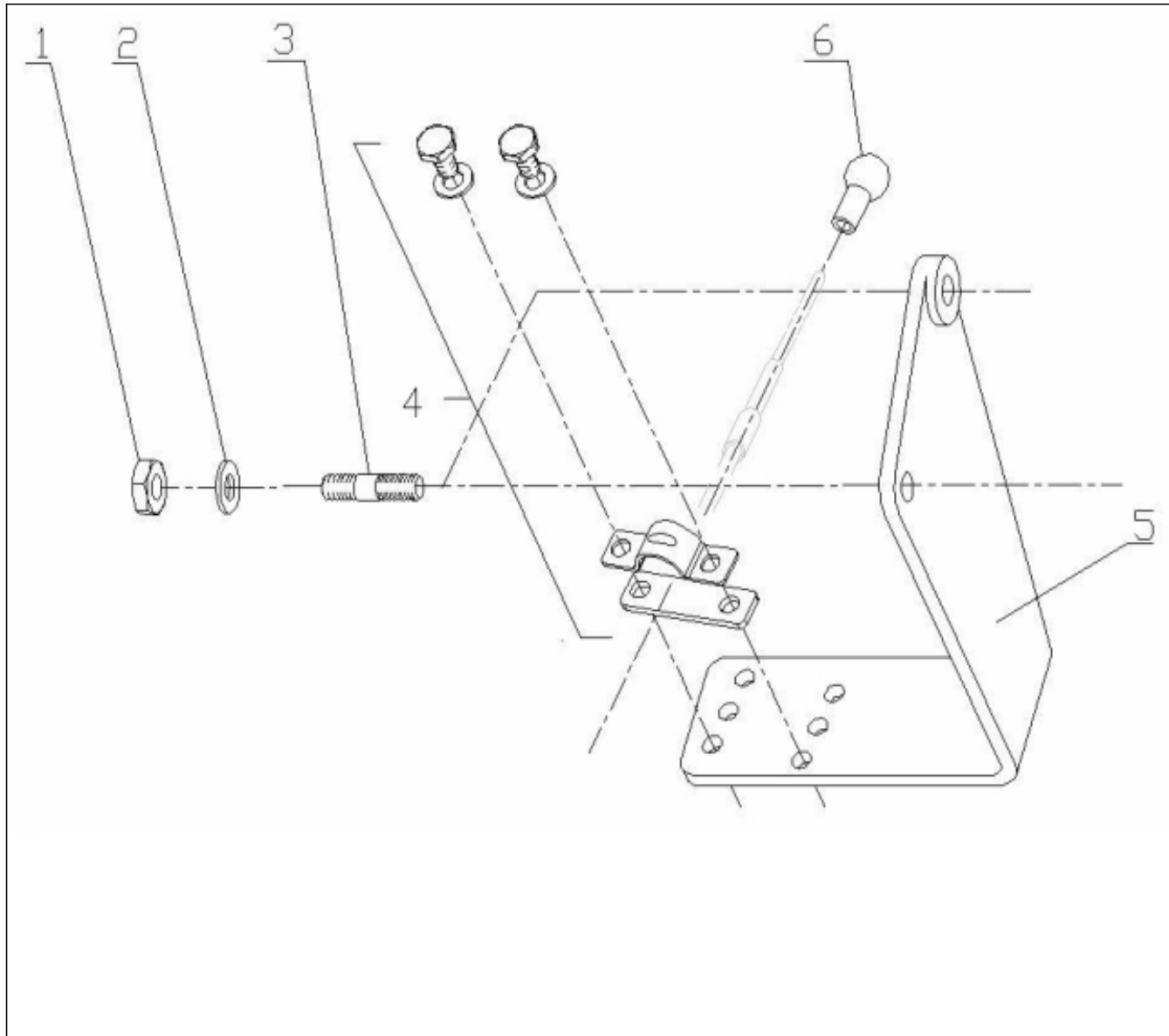
Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Speed control

N.	Item	Description	Qty	Notes
1	970635460	NUT,M 6	2	
2	970119149	WASHER, SPRING D 6 (Pour protection injecteur )	4	
3	970154026	STUD,M 6X 22	2	
4	970835020	CLAMP	1	
5	95203064	SUPPORT	1	
6	970311202	BALL AND SOCKET JOINT (CAGE NUE AVEC CLIP RESSORT ZINGUE )	1	



V. 07/02/2012

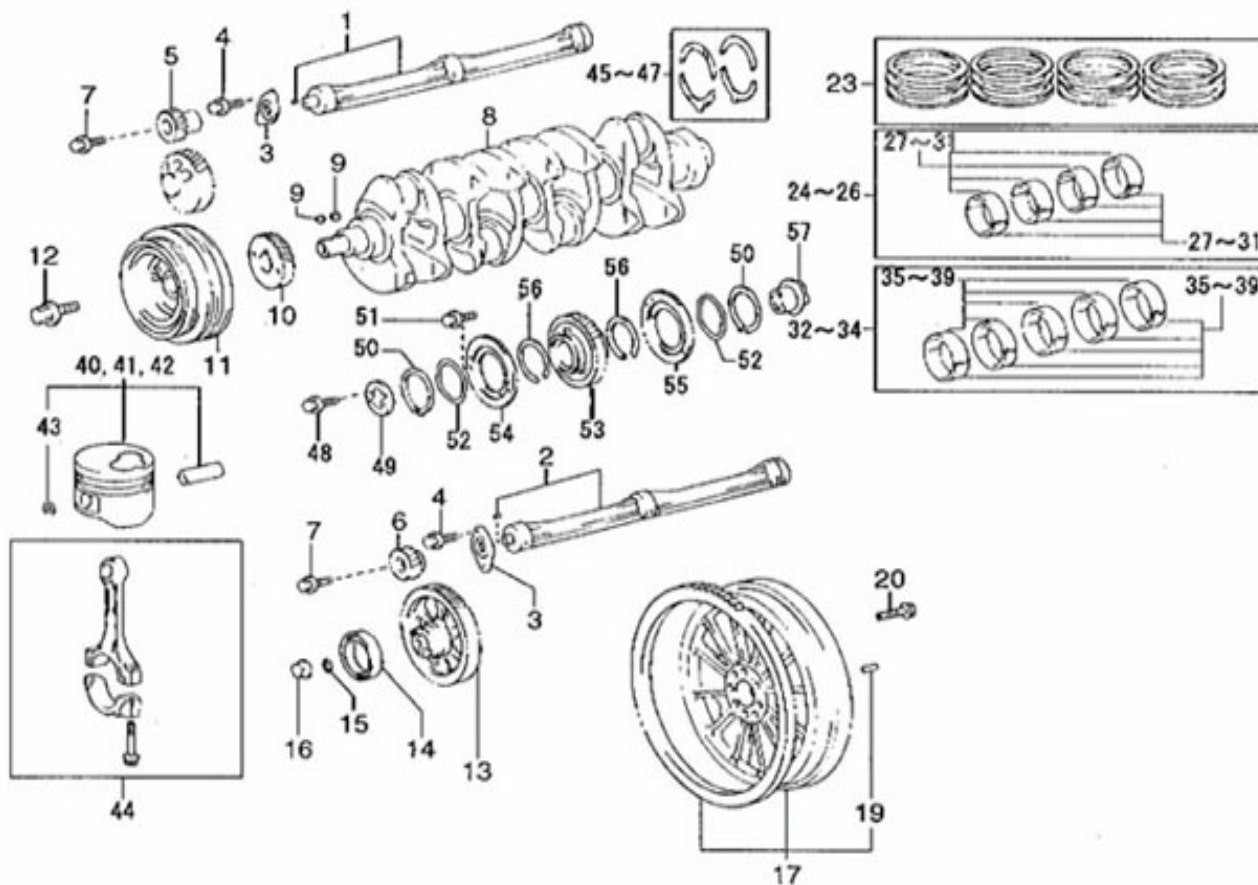
Pag. 9/40

Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Crankshaft pistons



N.	Item	Description	Qty	Notes
1	970312103	ASSY SHAFT, BALANCER N°1	1	
2	970312104	ASSY SHAFT, BALANCER N°2	1	
3	970312105	WASHER, BALANCER SHAFT THRUST	2	
4	970312106	BOLT, FLANGE	4	
5	970312107	GEAR BALANCER SHAFT DRIVEN, N°	1	
6	970312108	GEAR BALANCER SHAFT DRIVEN, N°	1	
7	970312109	BOLT, WASHER BASED HEAD HEXAGO	2	
8	970312110	CRANKSHAFT SUB ASSY	1	
9	970312111	KEY	2	
10	970312112	GEAR CRANKSHAFT TIMING	1	
11	970312113	PULLEY SUB ASSY, CRANKSHAFT	1	
12	970312114	BOLT, W/WASHER	1	
13	970312115	GEAR, INJECTION PUMP DRIVE	1	
14	970312116	BALL BEARING	1	
15	970312117	O RING	1	
16	970312118	NUT,CAP	1	
17	970312119	FLYWHEEL SUB-ASSY	1	
19	970312120	PIN,STRAIGHT	3	
20	970312121	BOLT,WASHER BASED HEAD EXAGON	8	
23	970312122	RING SET	1	
27	970312126	BEARING CONNECTING ROD (MARK 2	4	
28	970312127	BEARING CONNECTING ROD (MARK 3	4	
29	970312128	BEARING CONNECTING ROD (MARK 4	4	
30	970312129	BEARING CONNECTING ROD (MARK 5	4	
31	970312130	BEARING,CONNECTING ROD (MARK 6	4	
35	970312134	BEARING,CRANKSHAFT (MARK 2)	5	
36	970312135	BEARING,CRANKSHAFT (MARK 3)	5	
37	970312136	BEARING,CRANKSHAFT (MARK 4)	5	
38	970312137	BEARING,CRANKSHAFT (MARK 5)	5	
39	970312138	BEARING,CRANKSHAFT (MARK 6)	5	
40	970312139	PISTON SUB-ASSY,W/PIN (MARK 1)	4	
41	970312140	PISTON SUB-ASSY,W/PIN (MARK 2)	4	
42	970312141	PISTON SUB-ASSY,W/PIN (MARK 3)	4	
43	970312142	RING,SNAP	8	
44	970312143	ROD SUB-ASSY,CONNECTING	4	
45	970312144	WASHER SET,CRANKSHAFT THRUST (	1	
46	970312145	WASHER SET,CRANKSHAFT THRUST (	1	
47	970312146	WASHER SET,CRANKSHAFT THRUST (	1	
48	970312147	BOLT	2	
49	970312148	PLATE,IDLE GEAR THRUST	1	
50	970312149	RING	2	
51	970312150	BOLT	1	
52	970312151	WASHER,WAVE	2	
53	970312152	GEAR,IDLE,NO.1	1	
54	970312153	GEAR	1	
55	970312154	GEAR,IDLE SUB,NO.2	1	
56	970312155	SPRING,IDLE GEAR	2	
57	970312156	SHAFT,IDLE GEAR	1	
60	970315562	CONNECTING ROD BUSH SIZE - B	1	
61	970313181	BOLT	1	

V. 07/02/2012

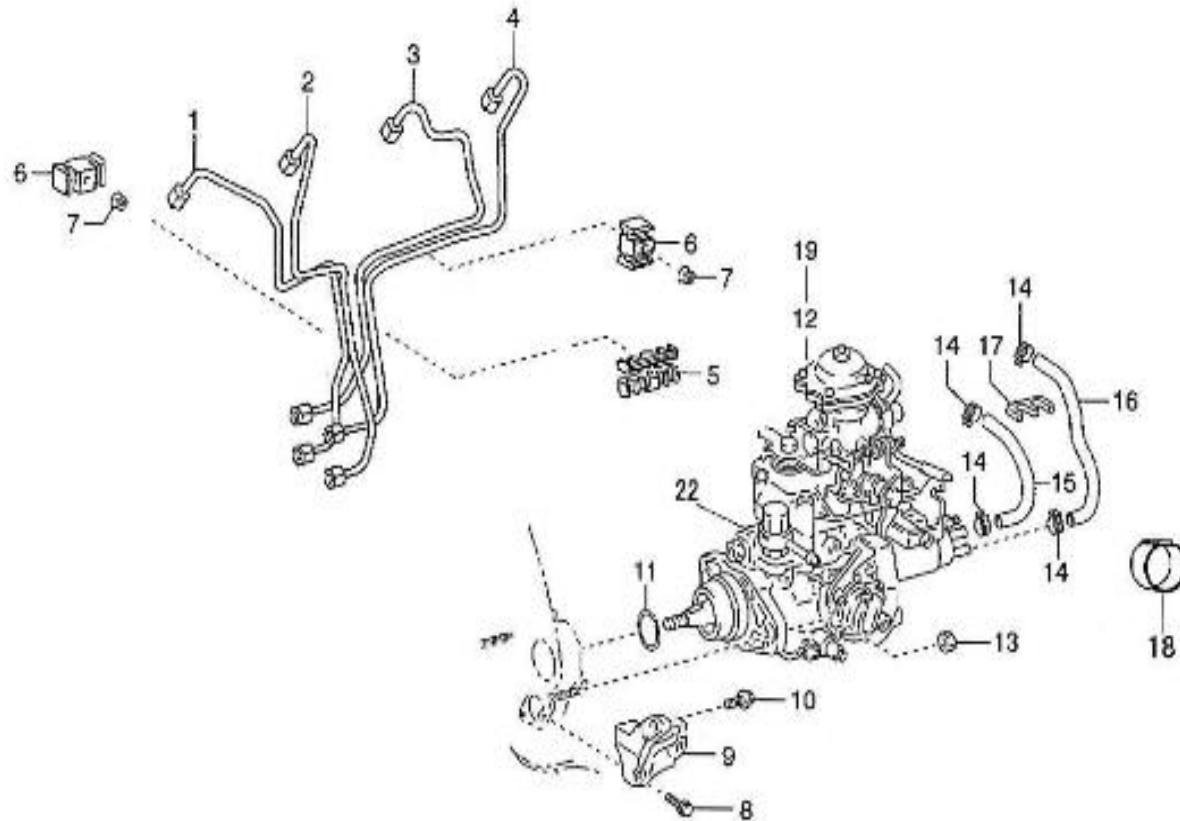
Pag. 10/40

Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Injection & Fuel pump



N.	Item	Description	Qty	Notes
1	970312288	INJECTION PIPE	1	
2	970312289	INJECTION PIPE	1	
3	970312290	INJECTION PIPE	1	
4	970312291	INJECTION PIPE	1	
5	970312292	CLAMP,INJECTION PIPE, NO.1	1	
6	970312293	CLAMP,INJECTION PIPE, NO.2	2	
7	970312294	NUT	2	
8	970312334	BOLT	2	
9	970312296	STAY, INJECTION PUMP	1	
10	970312297	BOLT,W/WASHER	1	
11	970312298	RING,O	1	
12	970312299	INJECTION PUMP	1	
13	970312300	NUT	2	
14	970312301	CLAMP, HOSE	4	
15	970312302	HOSE, WATER BY-PASS,NO.2	1	
16	970312303	HOSE, WATER BY-PASS,NO.1	1	
17	970312304	CLAMP	1	
18	970312305	CLAMP	1	
19	970312306	DETECTOR ASSY, REVOLUTION	1	
22	970312307	UNION	1	

V. 07/02/2012

Pag. 11/40

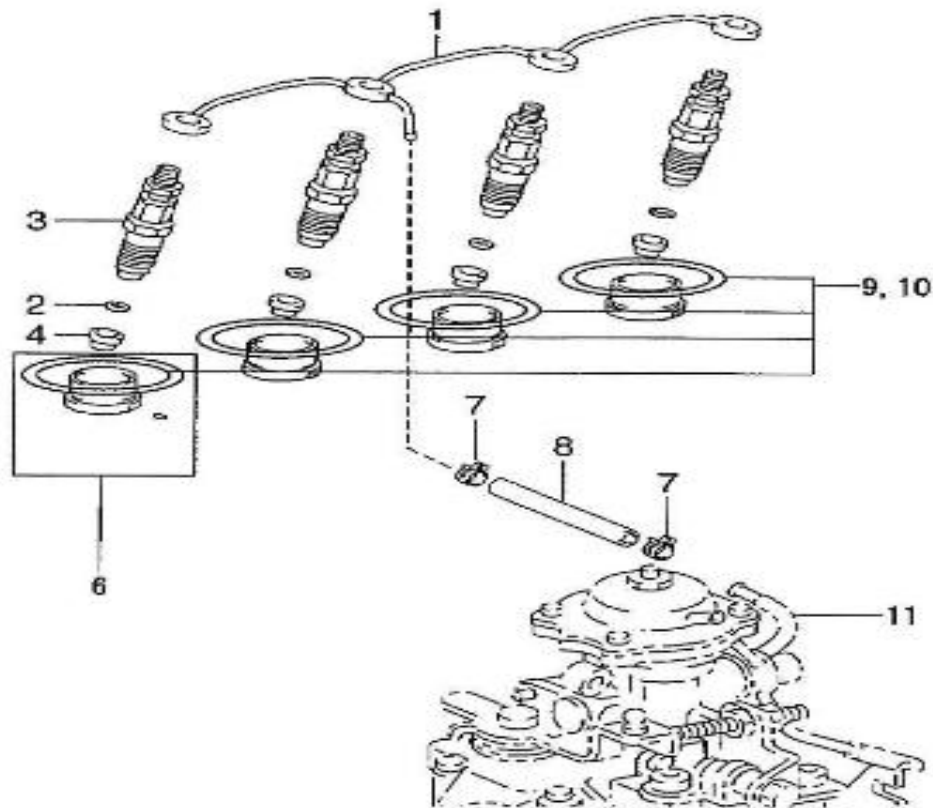
Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Injection lines nozzles

N.	Item	Description	Qty	Notes
1	970312308	PIPE	1	
2	970312309	GASKET	4	
3	970312310	INJECTOR	4	
4	970312311	INJECTOR SEAT	4	
6	970312313	CHAMBER SUB-ASSY, COMBUSTION	4	
7	970312314	CLAMP HOSE	2	
8	32805001	HOSE (++RETOUR INJ / PPE INJ)	0.14	
9	970312316	SHIM (FOR COMBUSTION CHAMBER T	4	
10	970312317	SHIM (FOR COMBUSTION CHAMBER T	4	
11	970312318	UNION	1	



V. 07/02/2012

Pag. 12/40

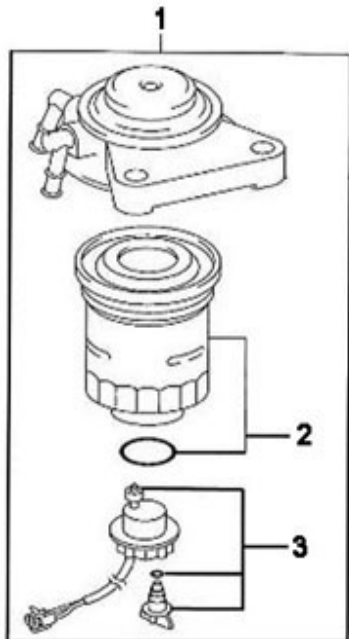
Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Fuel filter Assy.

N.	Item	Description	Qty	Notes
1	970312239	FILTER ASSY FUEL	1	
1	970312482	GO FILTER	1	
3	970311185	FUEL FILTER	2	
3	970312242	PLUG W/WATER LEVEL SWITCH	1	



970 312 239 :

T4.155 ≤ T311 050 223

4.380 TDI ≤ T111 050497

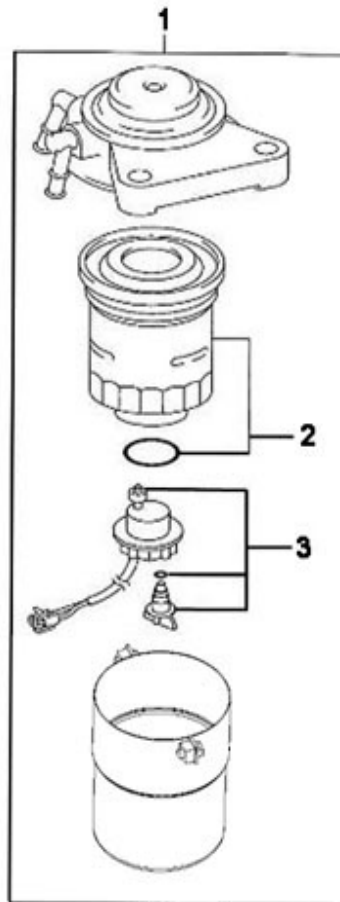
4.390 TDI ≤ T211 050 873

970 312 482 :

T4.155 ≥ T311 050 224

4.380 TDI ≥ T111 050498

4.390 TDI ≥ T211 050 874

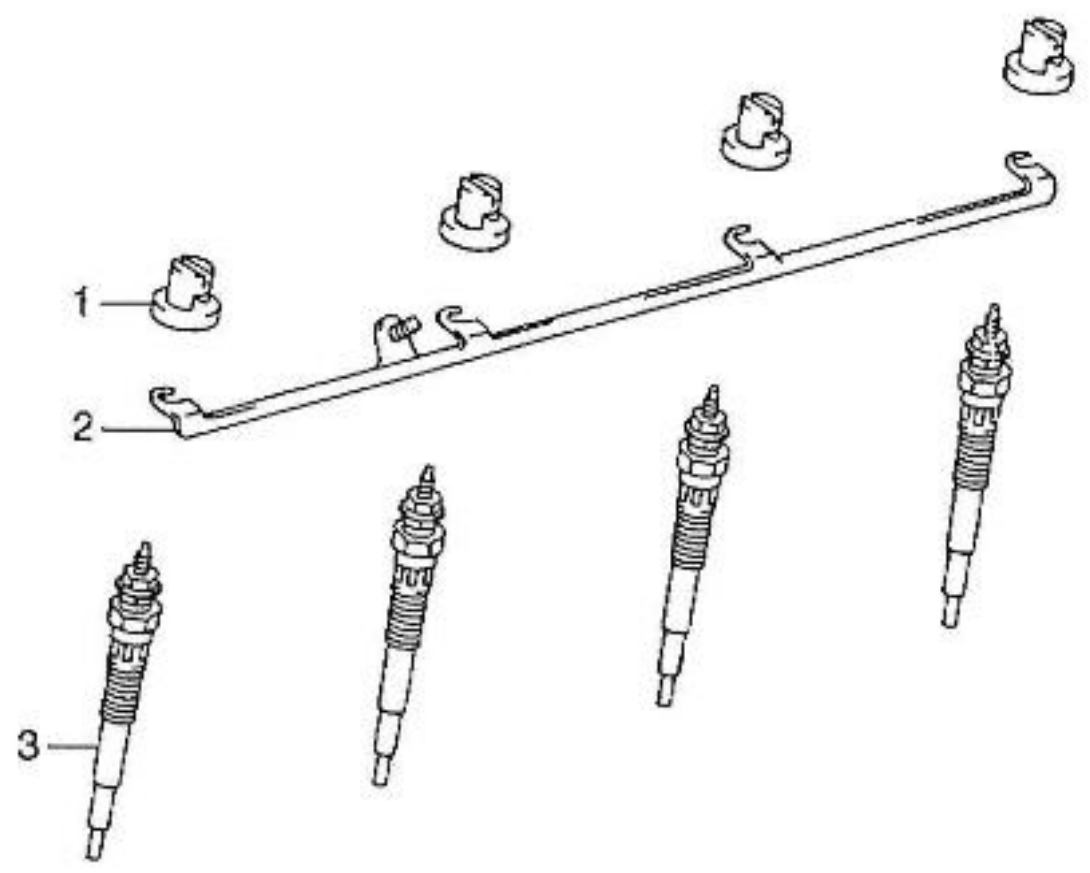


V. 07/02/2012

Pag. 13/40

Brand: NanniDiesel  
 Model: Moteur 4.390TDI  
 Version: Standard  
 Subassembly: Glow plug

N.	Item	Description	Qty	Notes
1	970312321	GROMMET SCREW	4	
2	970312322	CONNECTOR GLOW PLUG	1	
3	970312323	GLOW PLUG	4	
4	970312324	TIMER ASSY,PREHEATING	1	

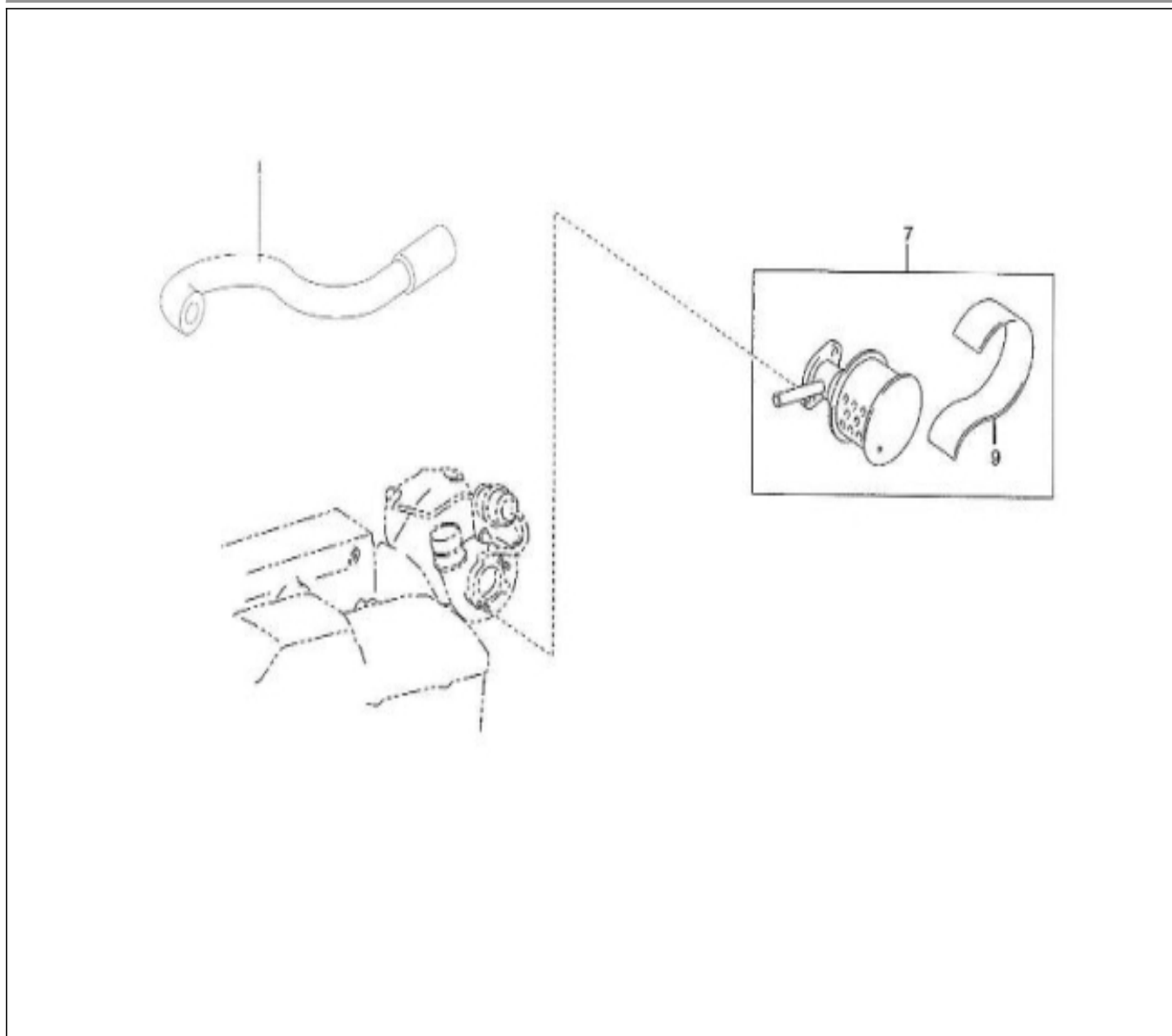


V. 07/02/2012

Pag. 14/40

Brand: NanniDiesel  
 Model: Moteur 4.390TDI  
 Version: Standard  
 Subassembly: Air filter

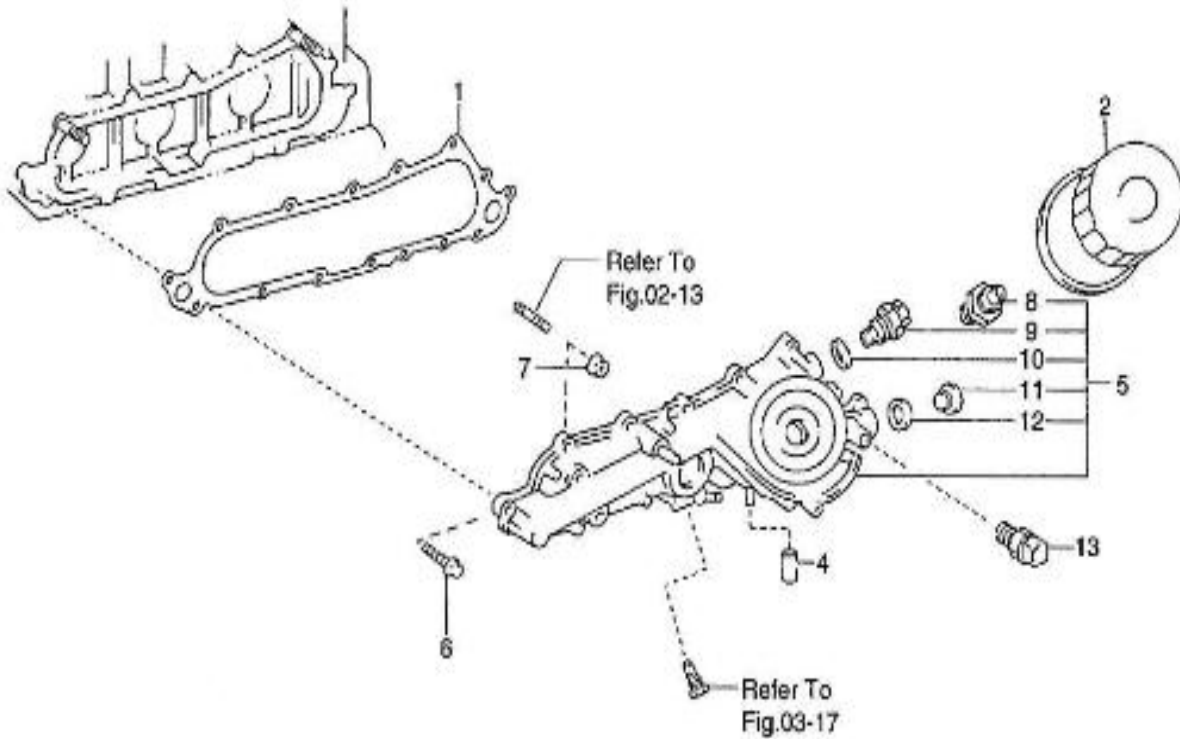
N.	Item	Description	Qty	Notes
1	48328103	HOSE	1	
7	970312272	CLEANER ASSY,AIR	1	
9	970312273	FILTER ELEMENT	1	



V. 07/02/2012

Pag. 15/40

Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.390TDI	1	970312206	GASKET	1	
Version: Standard	2	970312207	FILTER	1	
Subassembly: Oil filter Assy	4	970312208	CAP	1	
	5	970312209	COVER SUB-ASSY,OIL COOLER	1	
	6	970312210	BOLT,W/WASHER	13	
	7	970312061	NUT	2	
	8	970312212	UNION (FOR OIL FILTER)	1	
	9	970312213	VALVE ASSY,OIL COOLER RELIEF	1	
	10	970312214	GASKET,OIL COOLER COVER	1	
	11	970312215	PLUG,W/HEAD STRAIGHT SCREW	1	
	12	970312204	GASKET,OIL PUMP RELIEF VALVE	1	
	13	970312217	PLUG,INTAKE MANIHOLED SUCTION	1	



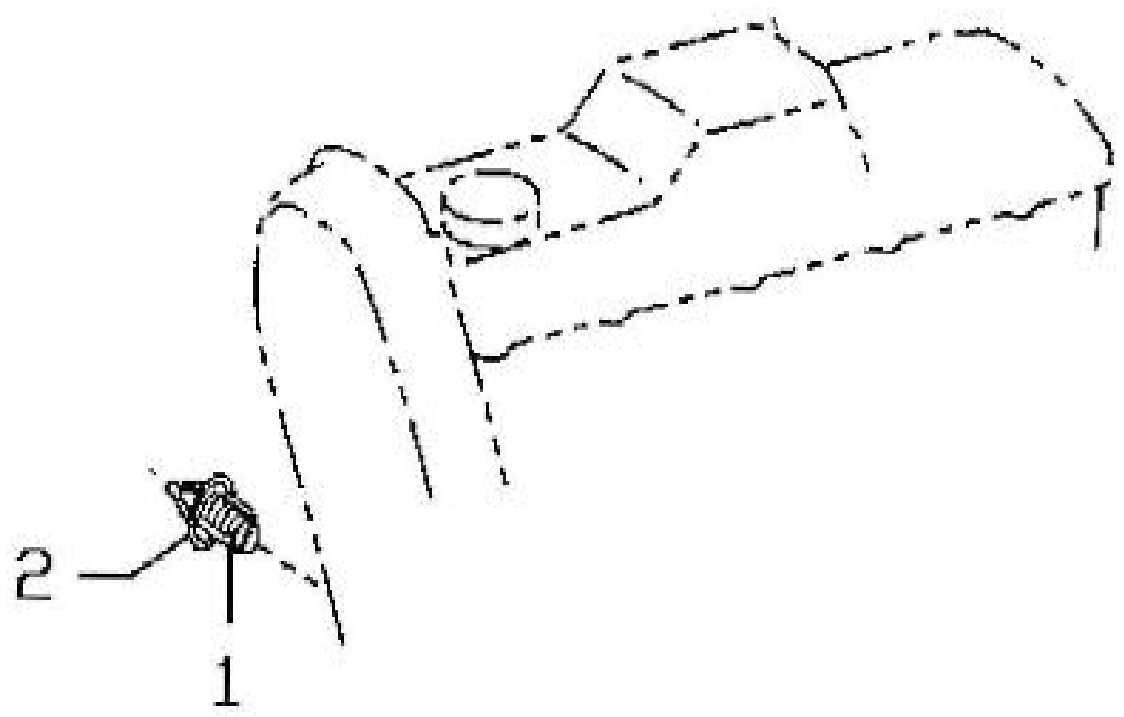
V. 07/02/2012

Pag. 16/40



Brand: NanniDiesel  
Model: Moteur 4.390TDI  
Version: Standard  
Subassembly: Thermostat

N.	Item	Description	Qty	Notes
1	970312274	THERMOSTAT	1	
2	970312275	GASKET,THERMOSTAT	1	

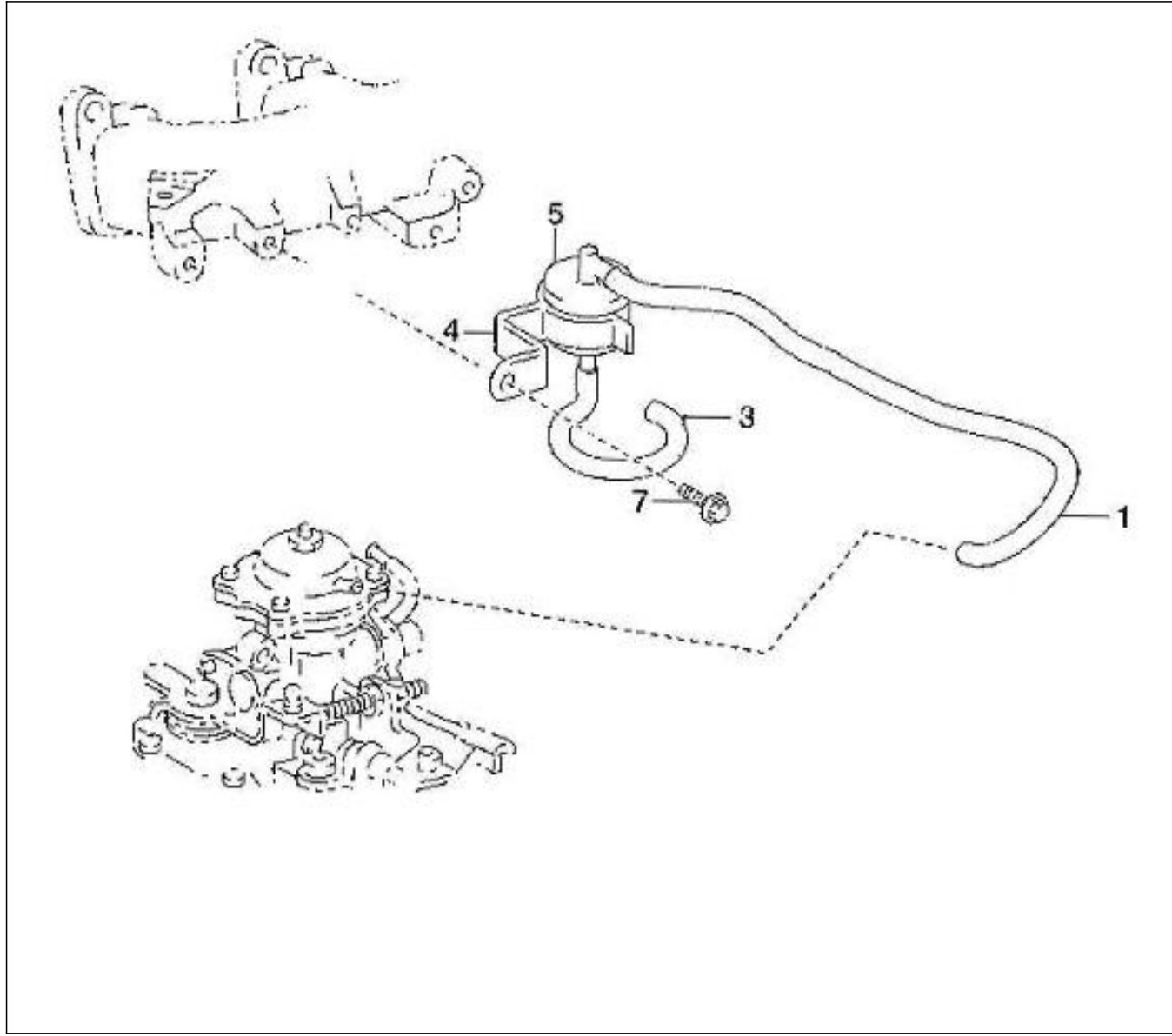


V. 07/02/2012

Pag. 17/40

Brand: NanniDiesel
Model: Moteur 4.390TDI
Version: Standard
Subassembly: Vacuum piping

N.	Item	Description	Qty	Notes
1	32803001	PIPE	1	
3	32803001	PIPE	1	
4	970312284	CLAMP	1	
5	970312285	FILTER,GAS	1	
7	970312287	BOLT	1	



V. 07/02/2012

Pag. 18/40

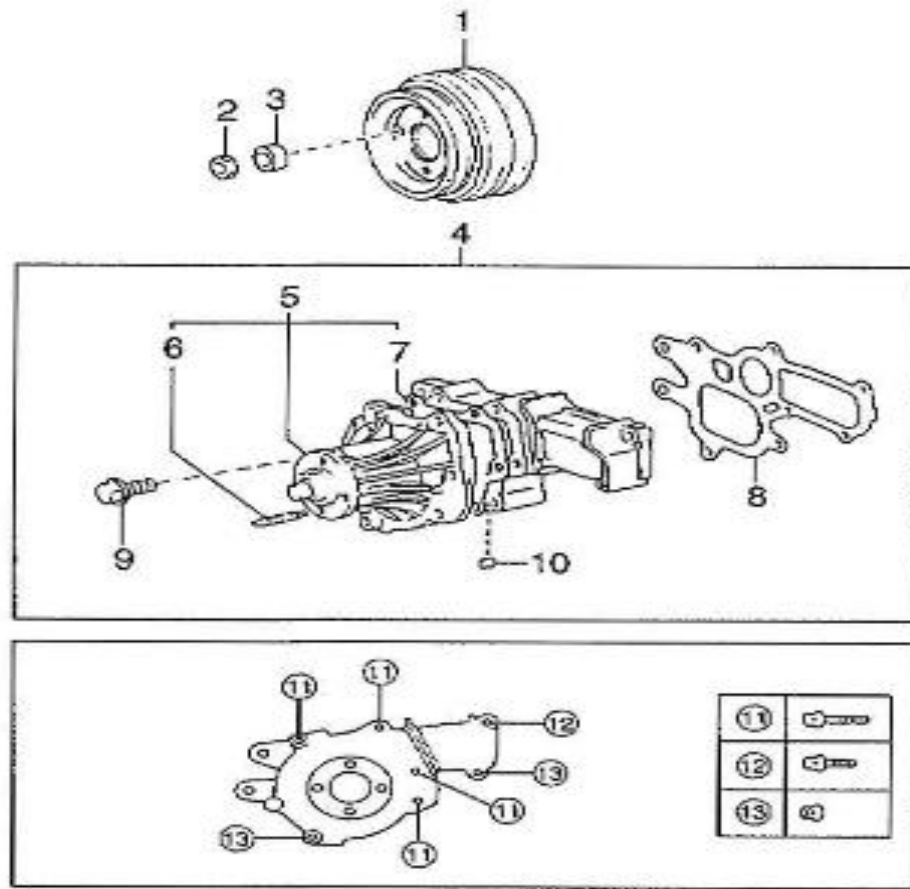
Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Engine water pump

N.	Item	Description	Qty	Notes
1	970312221	PULLEY,FAN	1	
2	970312278	NUT	4	
3	970312223	SPACER	4	
4	970312224	WATER PUMP	1	
5	970312225	PUMP ASSY,WATER W/O COVER	1	
6	970312226	BOLT,STUD	4	
7	970312227	GASKET,WATER PUMP COVER	1	
8	970312228	GASKET,WATER PUMP,NO.1	1	
9	970312229	BOLT,FLANGE	1	
10	970312230	PIN,RING	1	
11	970312231	BOLT,W/WASHER	4	
12	970312210	BOLT,W/WASHER	1	
13	970312061	NUT	2	



V. 07/02/2012

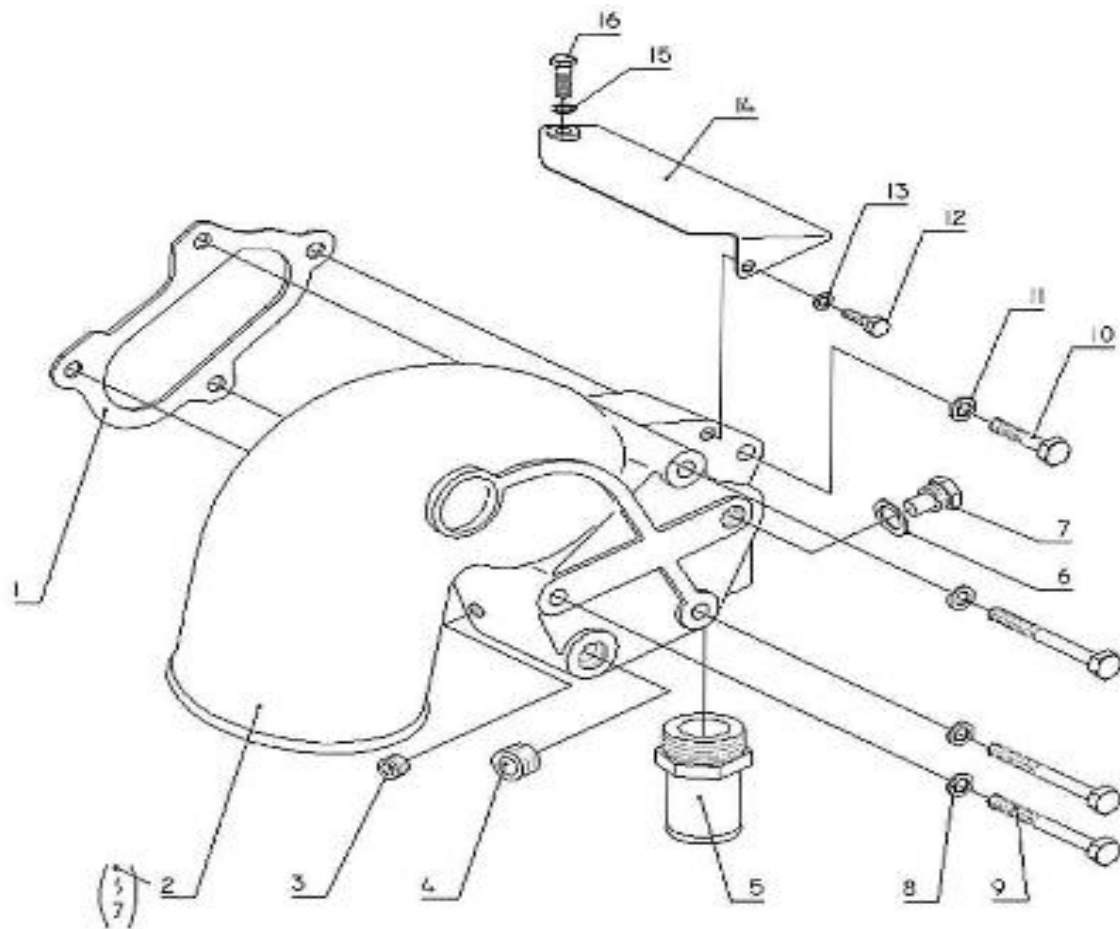
Pag. 19/40

Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Exhaust elbow



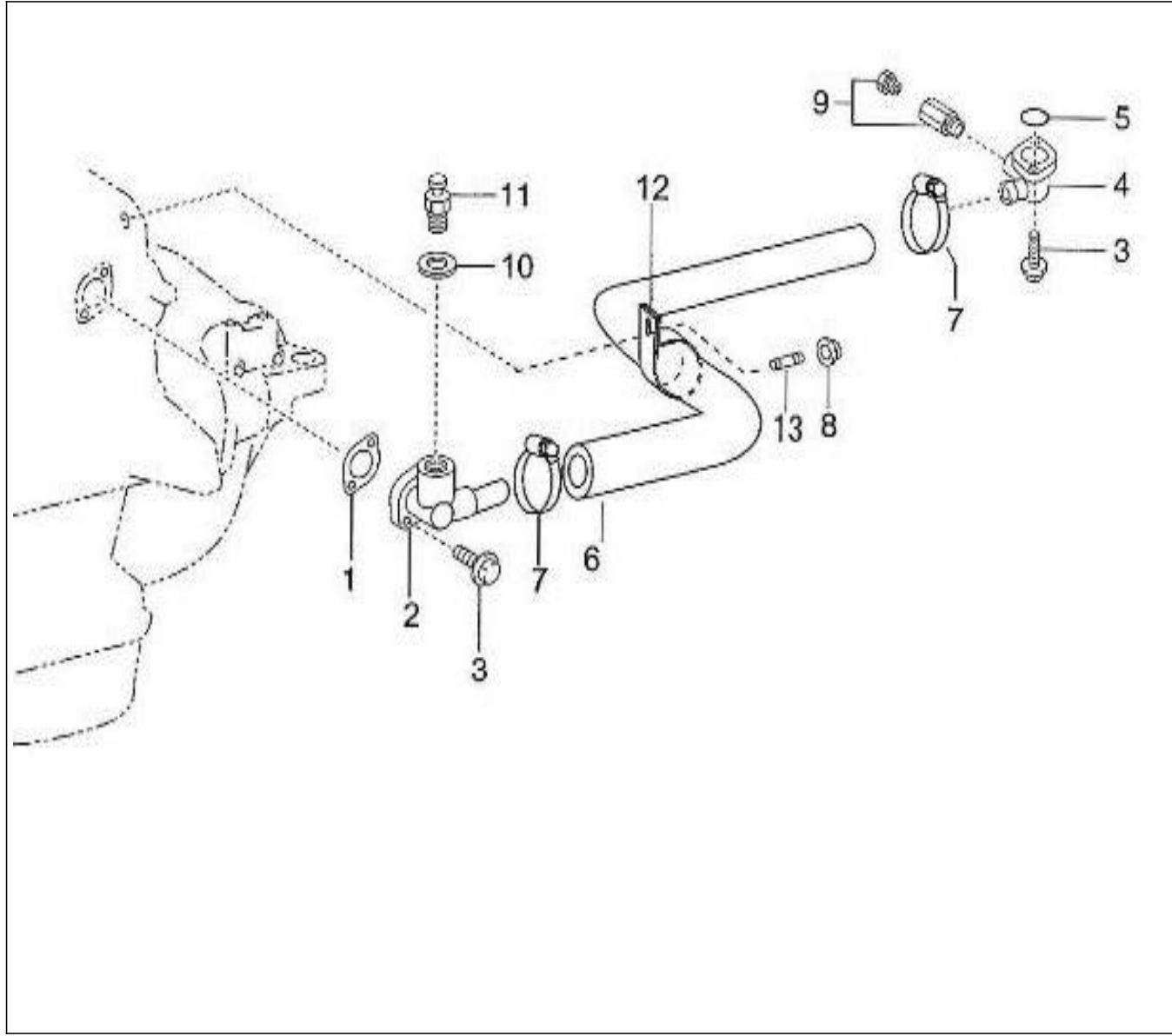
N.	Item	Description	Qty	Notes
1	970312258	GASKET TURBINE	1	
2	48300380	MIXER	1	
3	970307265	PLUG,HEX 1/8	1	
4	970310264	PLUG	1	
5	970892603	BARBED END BRASS FITTING 1 1/4 (QUANTITE 3 R.P. 1	1	
6	970300199	GASKET,RING D16	1	
7	970494635	ANODE,ZINC CPL M16X1,5	1	
8	970119139	WASHER,CORRUGATED D8 (DONT 3 PTO )	3	
9	39160455	BOLT	3	
10	970644594	BOLT,HEX M 8X 60 (+++FIX POULIE SPA )	1	
11	970119139	WASHER,CORRUGATED D8 (DONT 3 PTO )	1	
12	970439910	BOLT,HEX M 6X 16 (+++FIX.SUPPORT AG ACC )	1	
13	970119149	WASHER, SPRING D 6 (Pour protection injecteur )	1	
14	95310552	DEFLECTOR	1	
15	970119149	WASHER, SPRING D 6 (Pour protection injecteur )	1	
16	970644006	BOLT,HEX M 6X 20 (++FIX TENDEUR )	1	

V. 07/02/2012

Pag. 20/40

Brand: NanniDiesel  
 Model: Moteur 4.390TDI  
 Version: Standard  
 Subassembly: Turbo charger water hose

N.	Item	Description	Qty	Notes
1	970312259	GASKET	1	
2	970312260	CONNECTOR SUB-ASSY, TURBO WATE	1	
3	970312261	BOLT FLANGE	2	
4	970312262	CONNECTOR TURBO WATER	1	
5	970312263	RING,O	1	
6	970312264	HOSE, TURBO WATER	1	
7	970312265	CLAMP HOSE	1	
8	970312261	BOLT FLANGE	2	
9	970312267	COCK, DRAIN	1	
10	970312268	GASKET	1	
11	970312269	TURBO WATER SENSOR	1	
12	970312270	CLAMP	1	

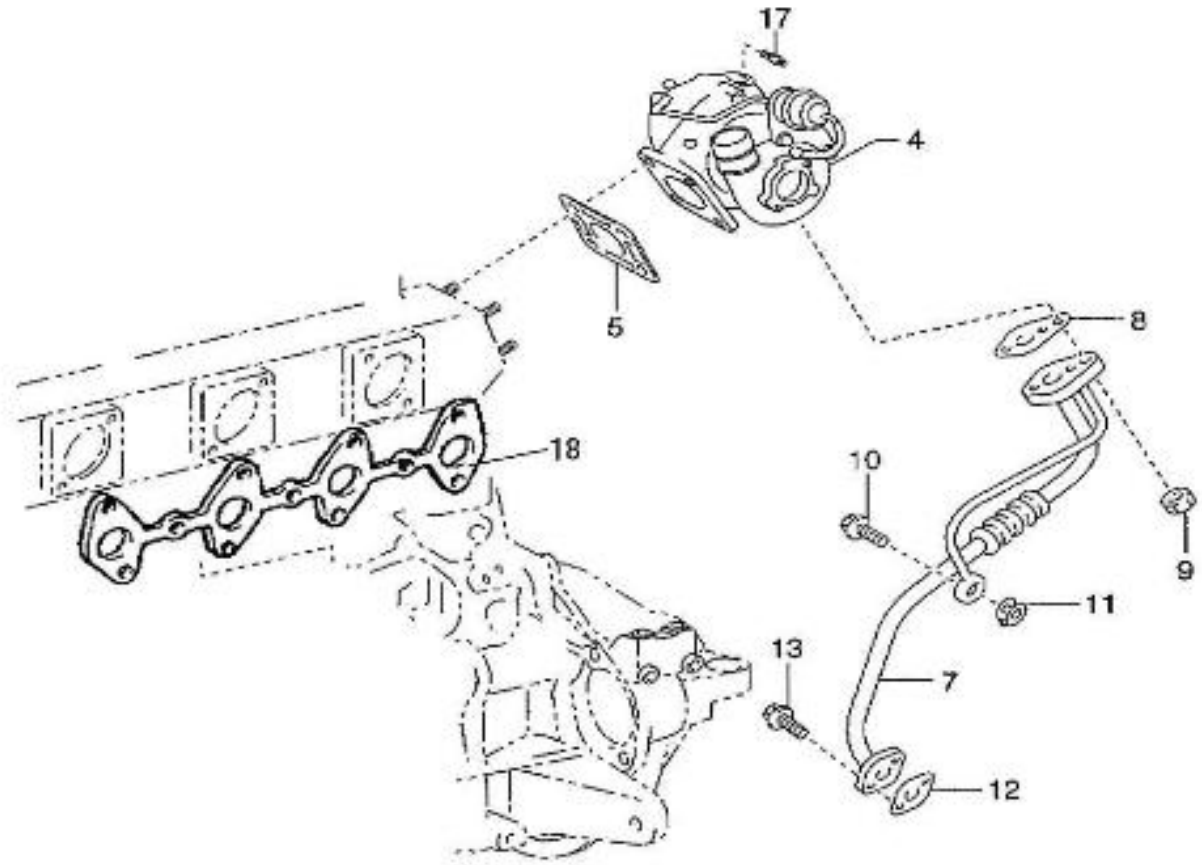


V. 07/02/2012

Pag. 21/40

Brand: NanniDiesel  
 Model: Moteur 4.390TDI  
 Version: Standard  
 Subassembly: Turbocherger, Exh. Mixer

N.	Item	Description	Qty	Notes
4	970312243	TURBOCHARGER	1	
5	970312244	GASKET TURBO	1	
7	970312245	PIPE SUB-ASSY TURBO	1	
8	970312246	GASKET TURBO OIL	1	
9	970312247	NUT	2	
10	970312248	BOLT, UNION	1	
11	970312249	GASKET	1	
12	970312250	GASKET TURBO OIL	1	
13	970312251	BOLT	2	
17	970312252	COCK ASSY DRAIN	1	
18	970312253	GASKET EXHAUST MANIFOLD	1	
19	43320280	SPACER	2	
20	970312830	WASTEGATE 4.380 / 4.390	1	
21	970119138	WASHER, SPRING D 8 (TENDEUR )	2	
22	970409603	BOLT, HEX M 8X 25 (FIX SUP ALT )	2	
23	32806001	HOSE	1	
24	970310171	CLAMP (+++ FIX DURITE WASTEGATE )	2	



V. 07/02/2012

Pag. 22/40

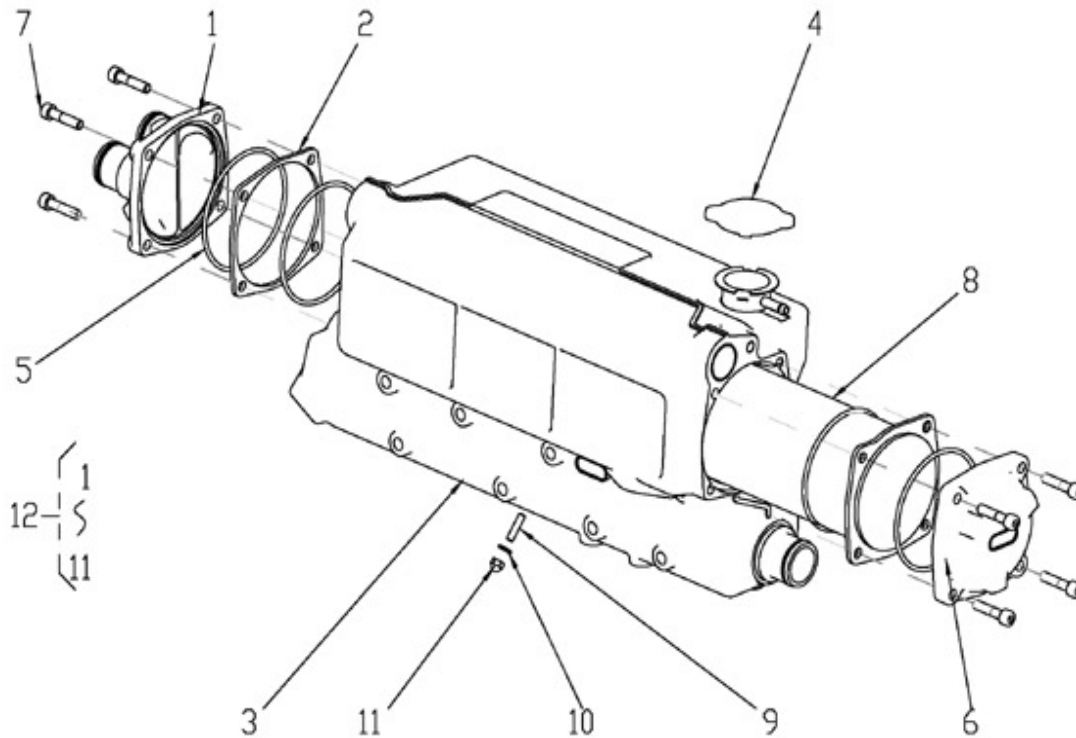
Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Heat exchanger spare parts

N.	Item	Description	Qty	Notes
1	970312449	COVER	1	
2	970312453	SPACER	1	
3	970312442	BODY	1	
4	970312799	FILLING CAP	1	
5	48418167	O RING	4	
6	970312450	COVER	1	
7	970310755	BOLT (POUBELLE )	8	
8	970312451	TUBE STACK	1	
9	970312802	BOLT M6x25	1	
9	48300378	HEAT EXCHANGER	1	
10	970312803	BUSH	1	
11	970312804	NUT	1	



V. 07/02/2012

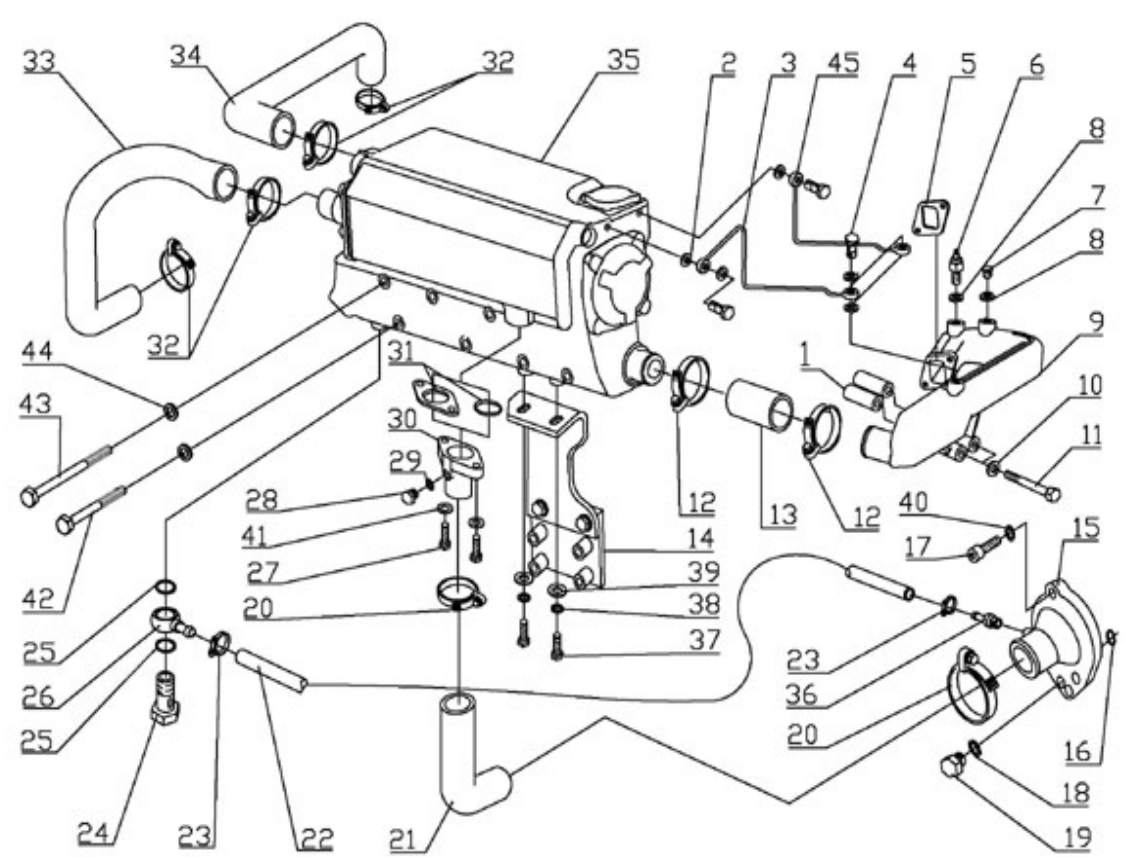
Pag. 23/40

Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Heat exchanger exh. Manifold



N.	Item	Description	Qty	Notes
1	43320277	SPACER	2	
2	970300430	GASKET,RING D10 (+++ FIX TUYAU GRAISSAGE SUR	4	
3	51306102	PIPE	1	
4	970300717	BOLT,BANJO M10X1,25 (=> N° T501050058 )	2	
5	970312238	GASKET WATER	1	
6	970851604	WATER SENDER 120C +SWITCH 110C	1	
7	970639853	"PLUG,HEX 3/8""G"	1	
8	970300289	GASKET,RING D17	2	
9	95710033	PIPE	1	
10	970119139	WASHER,CORRUGATED D8 (DONT 3 PTO )	2	
11	970300191	BOLT,HEX M 8X100 (+++ FIX COUDE ECHAP )	2	
12	970604533	CLAMP,HOSE 32-44 (QUANTITE 8 R.P. 4 LE 19/06/2008 )	2	
13	32840001	PIPE	1	
14	95310542	SUPPORT	1	
15	95710031	Fresh Water Inlet Pipe 1	1	
16	970312048	RING O	1	
17	970604615	BOLT,SOCK M 6X 20	3	
18	51410028	COLLAR	1	
19	970875506	PLUG (<= N°KT08090422 )	1	
20	970604533	CLAMP,HOSE 32-44 (QUANTITE 8 R.P. 4 LE 19/06/2008 )	2	
21	48328100	Fresh Water Hose 2	1	
22	32810002	FUEL HOSE ISO 7840 D10 (REFROIDISSEUR-BACHE )	0.34	
23	970434506	CLAMP,HOSE 13-20 (POUR DURITE REF HUILE MOTEUR )	2	
24	970432515	BOLT,BANJO M14X1,5 (=> N°KT08090423 )	1	
25	970300306	GASKET,RING D14 (SUR REFROID THERMO MOTA )	2	
26	970300797	CONNECTION,BANJO D=8/M14 (=> N°KT08090423 )	1	
27	970304082	BOLT (+++ FIX COUDE ECHAP )	2	
28	970639853	"PLUG,HEX 3/8""G"	1	
29	970300289	GASKET,RING D17	1	
30	95710032	FRESH FwWATER INLET PIPE 2 (AVEC JOINT 970311194 )	1	
31	970311194	GASKET (<= N° T109050464 )	1	<= N° T209050793
31	48418054	O RING (=> N° T209050794 )	1	=> N° T209050794
32	970604533	CLAMP,HOSE 32-44 (QUANTITE 8 R.P. 4 LE 19/06/2008 )	4	
33	48328101	HOSE (ADAPT TUYAU ENTREE COUDE )	1	
34	48328099	HOSE (++RECOUPE SUIVANT PLAN )	1	
35	48300378	HEAT EXCHANGER	1	
36	970307806	Nipple (++Montage LOCTITE verte )	1	
37	970635508	BOLT,HEX M10X 25 (A DEFINIR )	2	
38	970119136	WASHER,SPRING D10 (POUR INVERSEUR )	2	
39	970119135	WASHER,PLAIN D10 (DONT DEUX POUR CALAGE GALET	2	
40	970609602	WASHER,CORRUGATED D 6 (ROND GRAISSEE SERRAGE	3	
41	970119139	WASHER,CORRUGATED D8 (DONT 3 PTO )	2	
42	970310228	BOLT	5	
43	39160454	BOLT	3	
44	970119137	WASHER,CORRUGATED D10	8	
45	51306127	TUYAU DE DEGAZAGE CIRC EAU MOTEUR 4.380TDI -iib-	1	

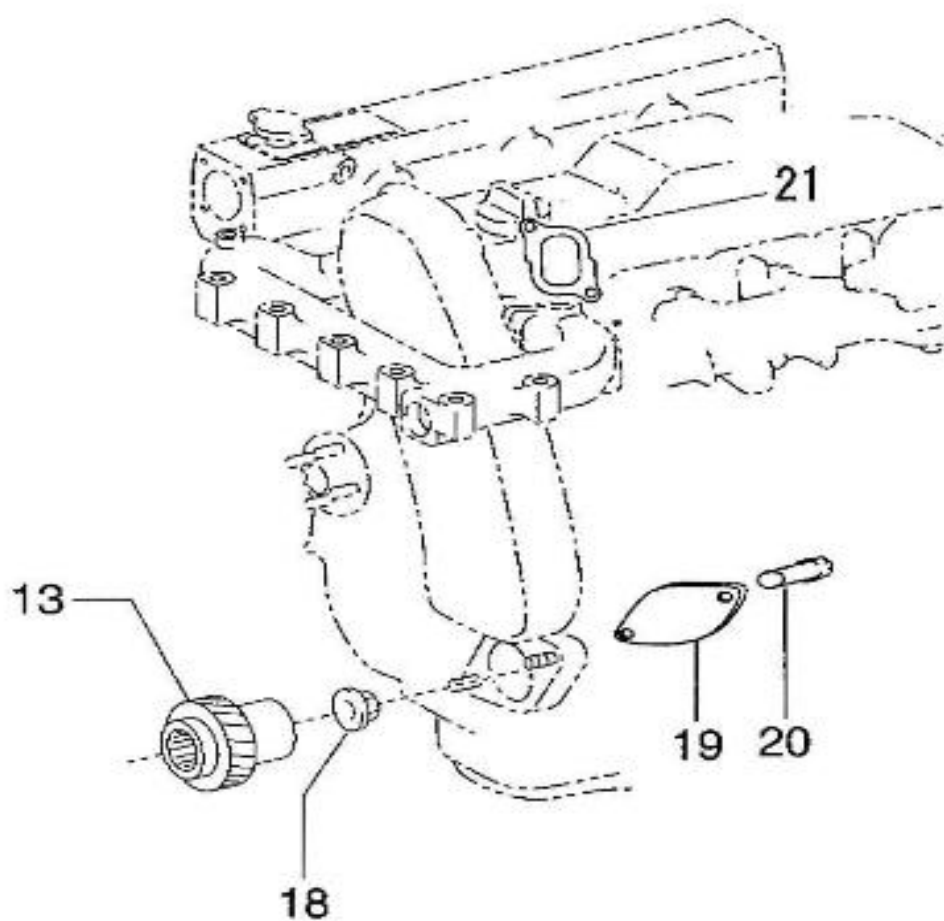
V. 07/02/2012

Pag. 24/40



Brand: NanniDiesel  
 Model: Moteur 4.390TDI  
 Version: Standard  
 Subassembly: Seawater pump Assy

N.	Item	Description	Qty	Notes
13	970312234	GEAR PUMP	1	
18	970312235	NUT	1	
19	970312236	COVER	1	
20	970312237	SCREW	2	
21	970312238	GASKET WATER	1	

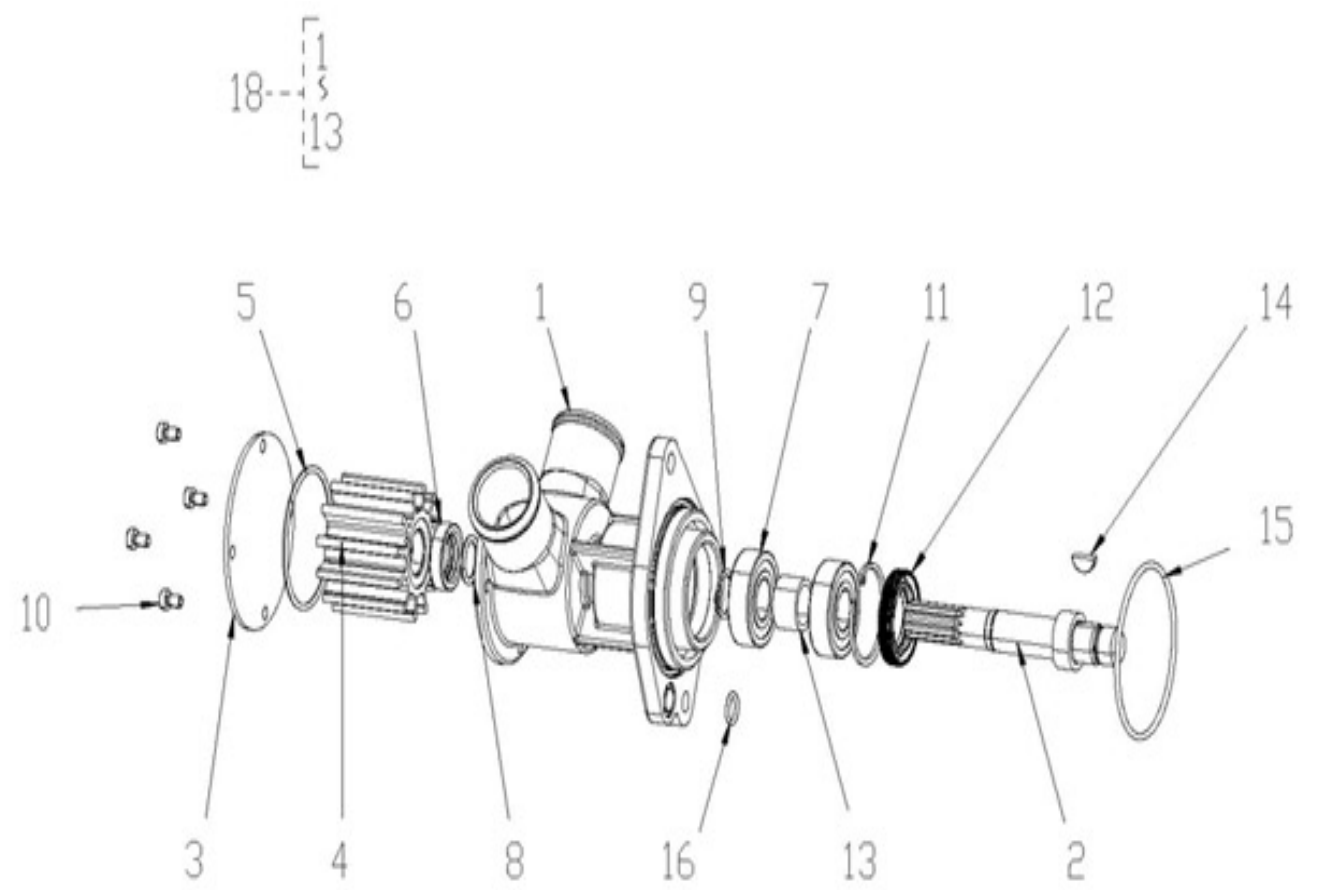


V. 07/02/2012

Pag. 25/40

Brand: NanniDiesel  
 Model: Moteur 4.390TDI  
 Version: Standard  
 Subassembly: Sea water pump spare parts

N.	Item	Description	Qty	Notes
1	970312420	BODY	1	
2	970312421	SHAFT	1	
3	970312422	END COVER	1	
4	970312423	IMPELLER	1	
5	970312424	O RING	1	
6	970614516	O-RING SEAL	1	
7	970312426	BALL BEARING	2	
8	970614626	O-RING,WATER PUMP F7B-9/10	1	
9	970304049	CIR-CLIP	1	
10	970312429	SCREW	4	
11	970614627	RING,RETAINING	1	
12	970312430	LIP SEAL	1	
13	970312431	SPACER	1	
14	55303041	KEY	1	
15	48418165	O RING	1	
16	970302856	O-RING	1	
17	970312432	REPAIR KIT	1	
18	970311169	WATER PUMP	1	

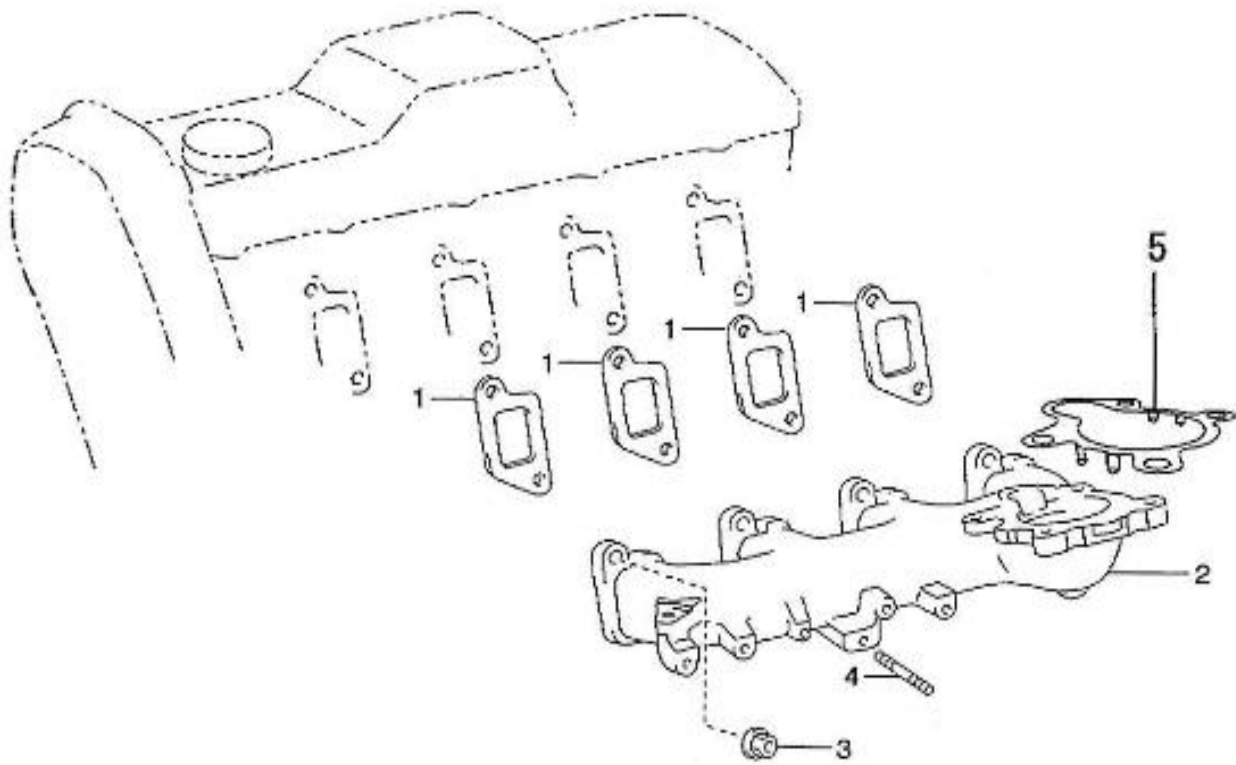


V. 07/02/2012

Pag. 26/40

Brand: NanniDiesel
Model: Moteur 4.390TDI
Version: Standard
Subassembly: Intake manifold

N.	Item	Description	Qty	Notes
1	970312276	GASKET	4	
2	970312277	MANIFOLD SUB-ASSY, INTAKE	1	
3	970312278	NUT	8	
4	970312279	BOLT, STUD	2	
5	970312280	GASKET, VENTURI	1	



V. 07/02/2012

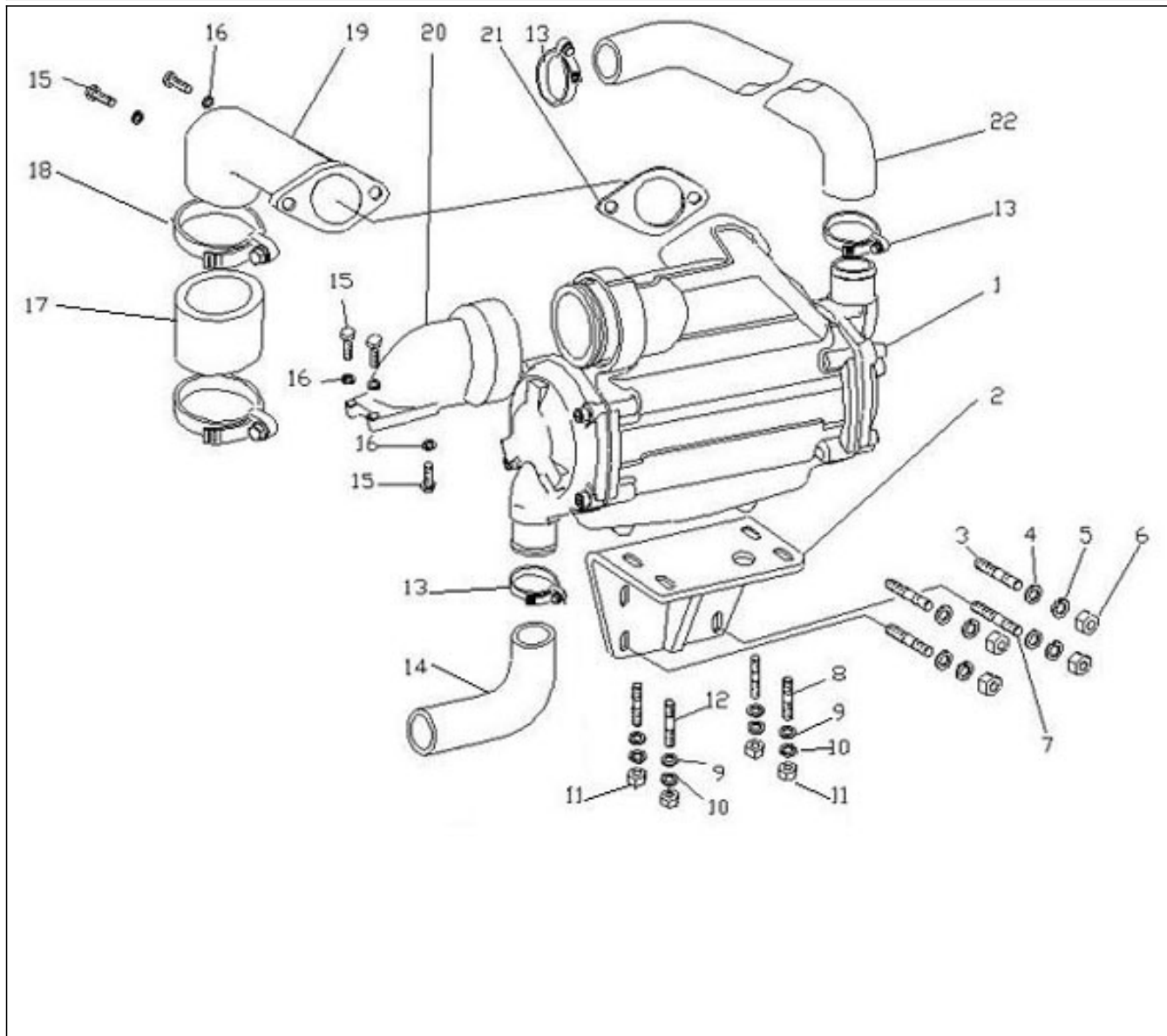
Pag. 27/40

Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Intercooler



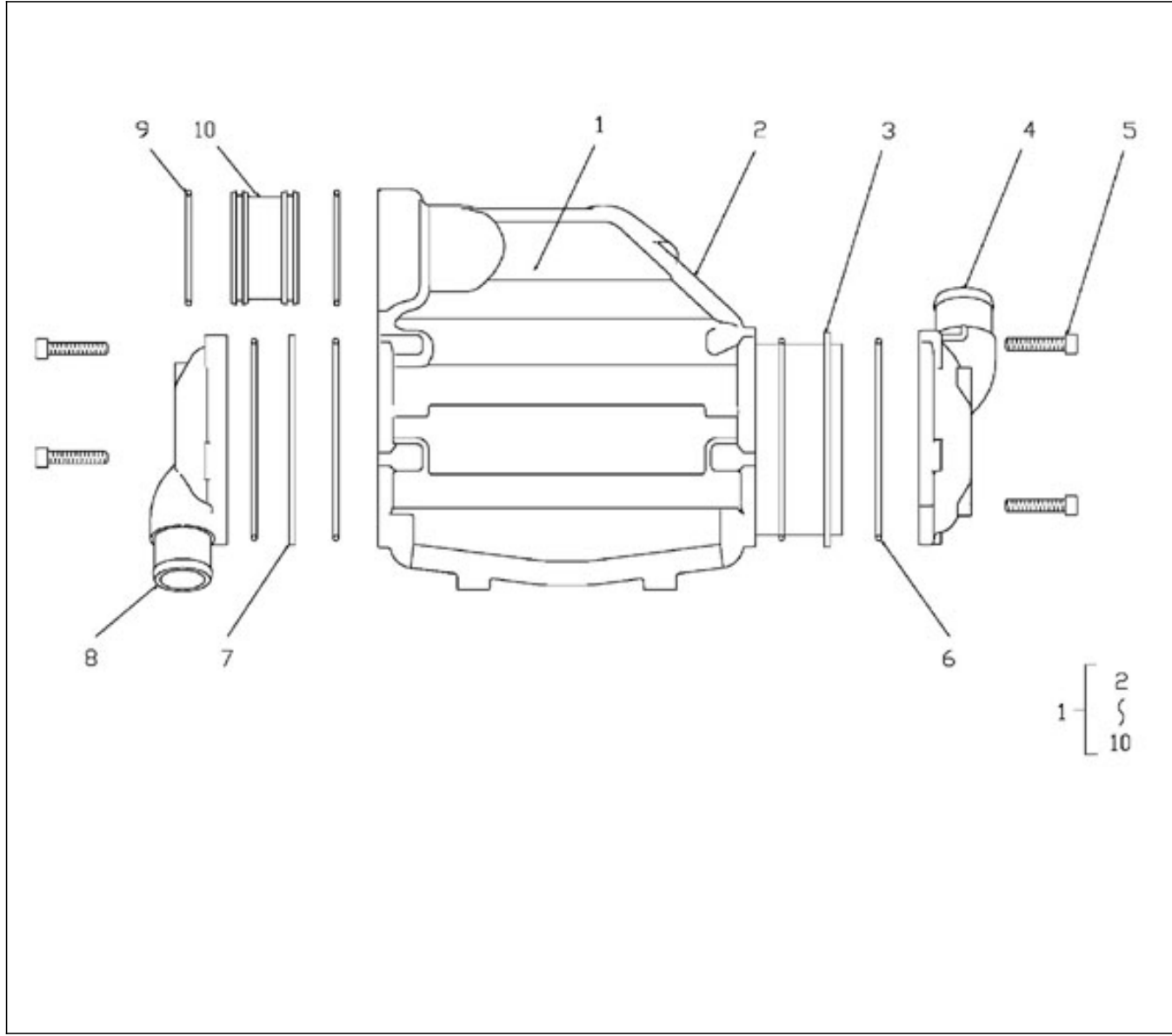
N.	Item	Description	Qty	Notes
1	48300379	HEAT EXCHANGER	1	
2	95310541	SUPPORT	1	
3	970649725	STUD (=> N°T10306523 )	3	
4	970119135	WASHER,PLAIN D10 (DONT DEUX POUR CALAGE GALET	4	
5	970119136	WASHER,SPRING D10 (POUR INVERSEUR )	4	
6	970119143	NUT, M10	4	
7	39020403	STUD BOLT (<= N°T103060522 )	1	<= N° T203061009
7	970649725	STUD (=> N°T10306523 )	1	=> N° T203061010
8	39020301	STUD BOLT (<= N° T203061009 )	1	
9	970027323	WASHER,PLAIN D 8	4	
10	970119138	WASHER,SPRING D 8 (TENDEUR )	4	
11	970027322	NUT,M 8 (++ECROU FIL DEMARREUR )	4	
12	970300057	STUD,M 8X 20 (+++FIX TURBO )	1	
13	970604533	CLAMP,HOSE 32-44 (QUANTITE 8 R.P. 4 LE 19/06/2008 )	3	
14	48328098	HOSE (++Mise en stock du restant découpé )	1	
15	970409603	BOLT,HEX M 8X 25 (FIX SUP ALT )	6	
16	970119139	WASHER,CORRUGATED D8 (DONT 3 PTO )	6	
17	51850001	HOSE	1	
18	970634621	CLAMP,HOSE	2	
19	95710030	AIR INLET PIPE	1	
20	95710029	AIR OUTLET PIPE	1	
21	970311189	GASKET	1	
22	48328099	HOSE (++RECOUPE SUIVANT PLAN )	1	
23	39020301	STUD BOLT (<= N° T203061009 )	2	<= N° T203061009
23	39020443	STUD (Voir FMP37/05 dans doc.bureautique )	2	=> N° T203061010

V. 07/02/2012

Pag. 28/40

Brand: NanniDiesel  
 Model: Moteur 4.390TDI  
 Version: Standard  
 Subassembly: Intercooler spare parts

N.	Item	Description	Qty	Notes
1	48300379	HEAT EXCHANGER	1	
2	970312412	BODY	1	
3	970312415	TUBE STACK	1	
4	970312414	COVER, WATER OUTLET	1	
5	970310755	BOLT (POUBELLE )	4	
6	48418168	O RING	4	
7	970312416	SPACER	1	
8	970312413	CALOTTE ENTREE EAU ---voir libellé---	1	
9	48418164	O RING	2	



V. 07/02/2012

Pag. 29/40

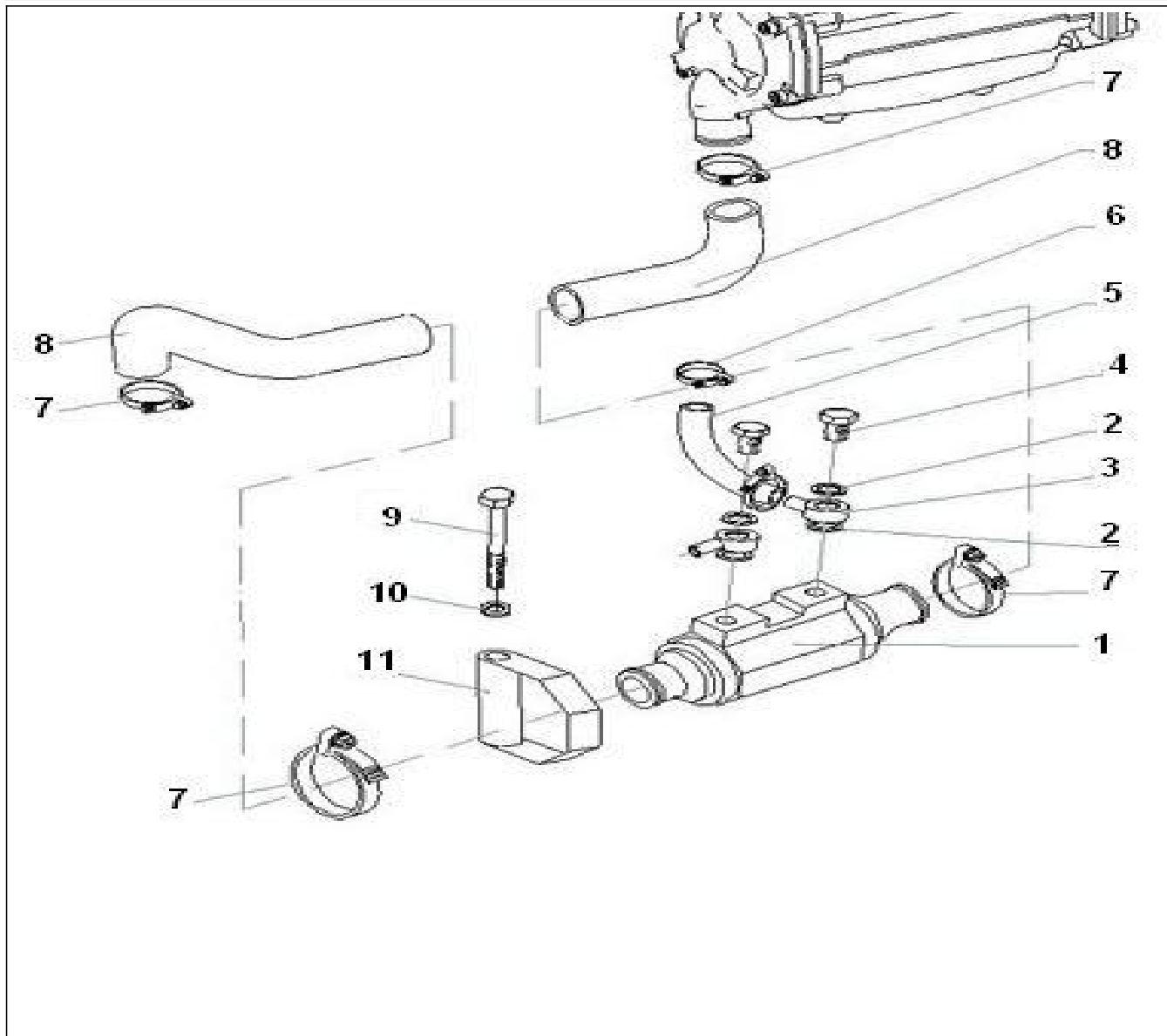
Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Fuel cooler

N.	Item	Description	Qty	Notes
1	48300385	FUEL COOLER (REFROID HUILE )	1	
2	970300289	GASKET,RING D17	4	
3	970311227	Union, D 3/8, for hose 10mm	2	
4	970311226	Union bolt, 3/8	2	
5	32810002	FUEL HOSE ISO 7840 D10 (REFROIDISSEUR-BACHE )	0.33	
6	970301604	CLAMP,HOSE 15-24 (ALIM EAU GENE )	2	
7	970604533	CLAMP,HOSE 32-44 (QUANTITE 8 R.P. 4 LE 19/06/2008 )	4	
8	48328098	HOSE (++Mise en stock du restant découpé )	1	
9	39160442	BOLT (+++ FIX . ALTERNATEUR )	1	
10	970119136	WASHER,SPRING D10 (POUR INVERSEUR )	1	
11	95203065	CLAMP	1	

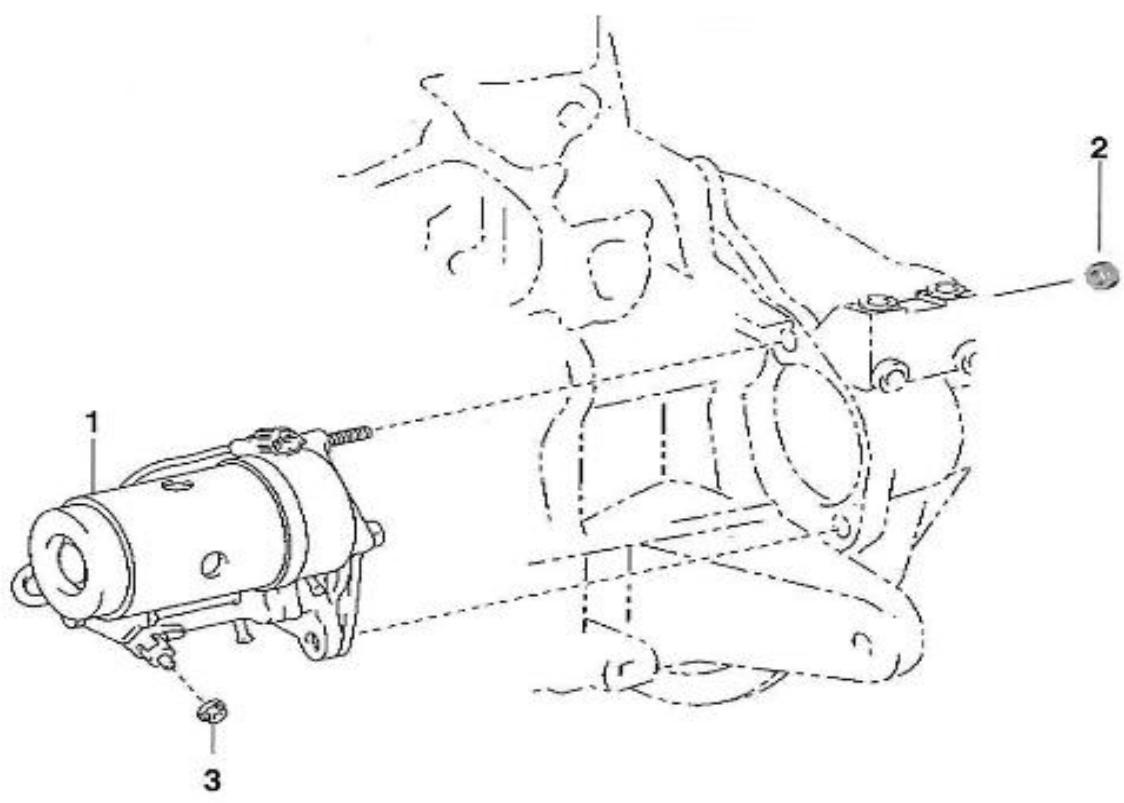


V. 07/02/2012

Pag. 30/40

Brand: NanniDiesel  
Model: Moteur 4.390TDI  
Version: Standard  
Subassembly: Starter motor

N.	Item	Description	Qty	Notes
1	970312328	STARTER ASSY	1	
2	39360918	NUT	1	
3	970312329	NUT	1	



V. 07/02/2012

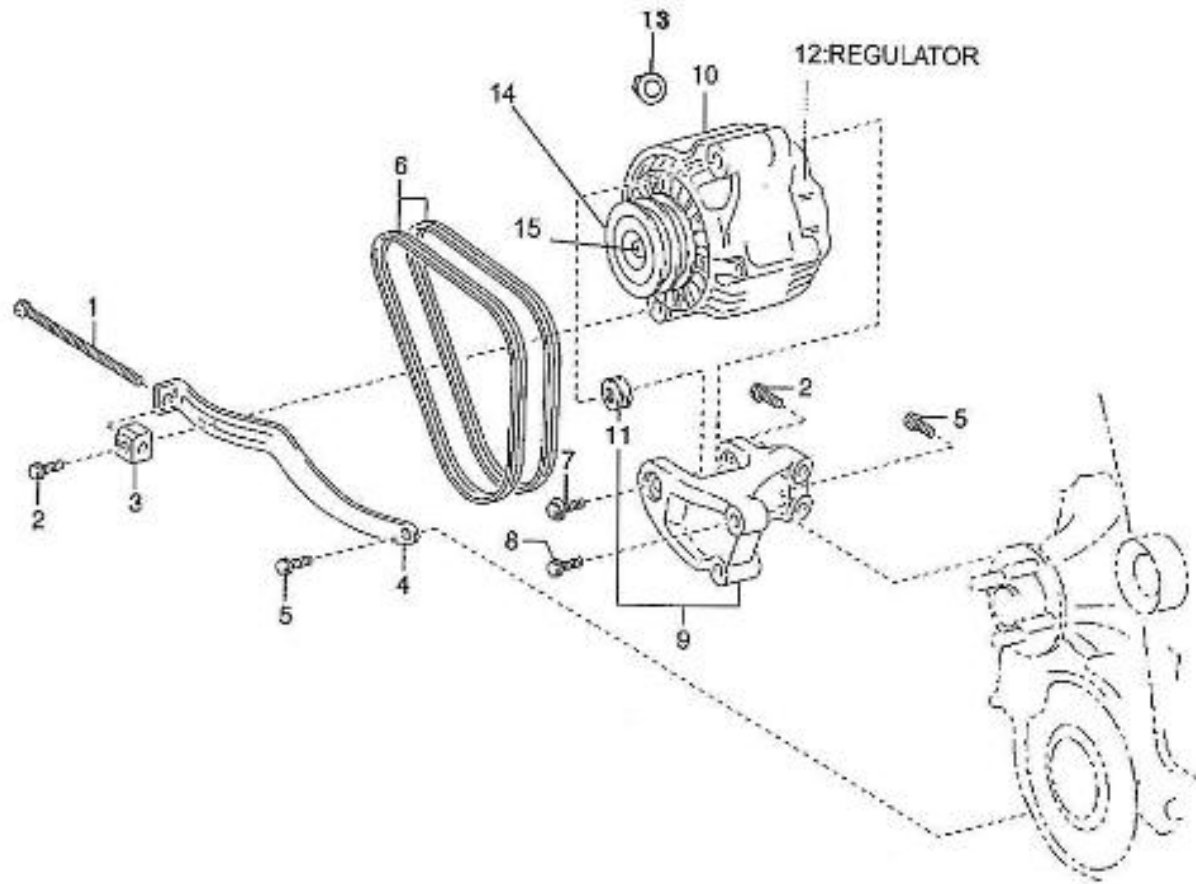
Pag. 31/40

Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Alternator Assy.Std.



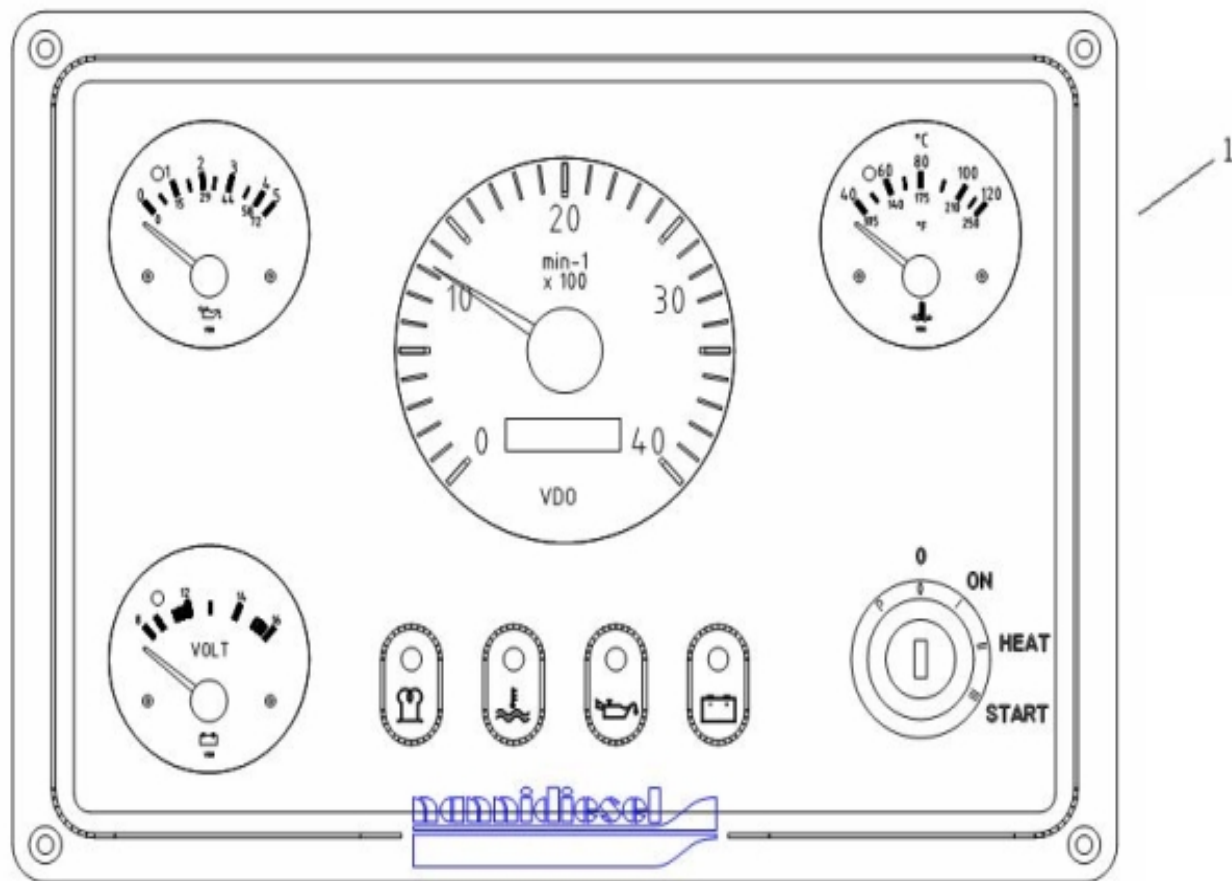
N.	Item	Description	Qty	Notes
1	970312330	BOLT	1	
2	970312331	BOLT	1	
3	970312332	SLIDER, FAN BELT	1	
4	970312333	BAR,FAN BELT	1	
5	970312334	BOLT	1	
6	970312335	BELT	1	
7	970312336	BOLT	1	
8	970312337	BOLT,FLANGE	2	
9	970312338	BRACKET, ALTERNATOR	1	
10	970312339	ALTERNATOR	1	
11	970312340	ALTERNATOR	1	
12	970312341	REGULATOR	1	
13	970312342	NUT	1	
14	970312343	PULLEY	1	
15	970312344	NUT	1	

V. 07/02/2012

Pag. 32/40



Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.390TDI	1	674382	PANEL	1	
Version: Standard					
Subassembly: Panel					

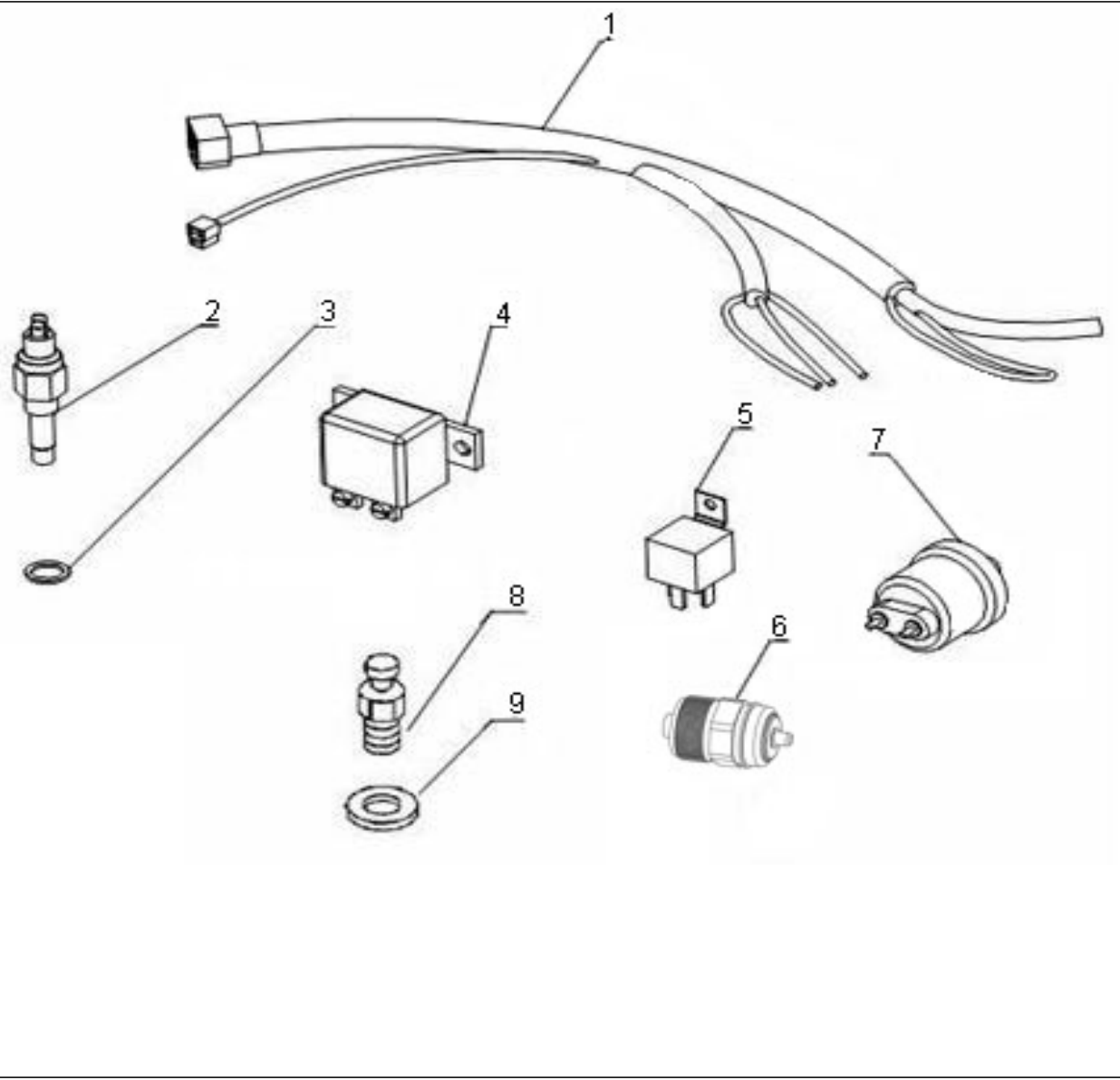


V. 07/02/2012

Pag. 33/40

Brand: NanniDiesel
Model: Moteur 4.390TDI
Version: Standard
Subassembly: Electrics

N.	Item	Description	Qty	Notes
1	674396	WIRING	1	
2	970851604	WATER SENDER 120C +SWITCH 110C	1	
3	970300306	GASKET,RING D14 (SUR REFROID THERMO MOTA )	1	
4	970300715	RELAIS,12V-75A BOSCH	1	
5	970300716	Normaly Open - RELAIS,12V-30A -BOSCH-	1	
6	48201106	ELECTROVANNE DE STOP TOY	1	
7	48201143	OIL PRESSURE SENDER (Remplace 307091 à partir du	1	
8	970312269	TURBO WATER SENSOR	1	
9	970312268	GASKET	1	



V. 07/02/2012

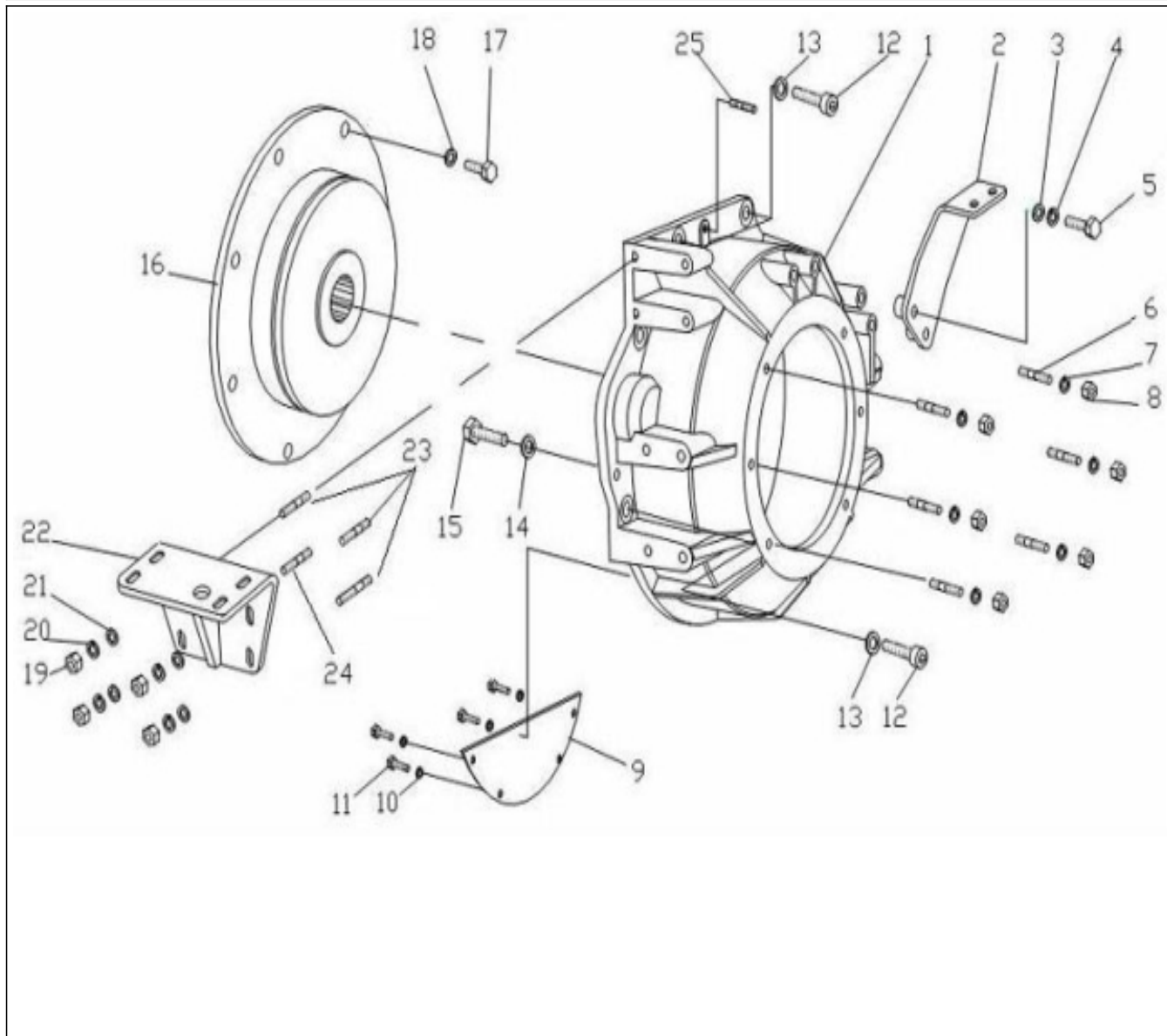
Pag. 34/40

Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Flywheel housing



N.	Item	Description	Qty	Notes
1	95200229	HOUSING	1	
2	95310546	SUPPORT	1	
3	970119135	WASHER,PLAIN D10 (DONT DEUX POUR CALAGE GALET	2	
4	970119136	WASHER,SPRING D10 (POUR INVERSEUR )	2	
5	970301583	BOLT,HEX M10X 40 (POUR INVERSEUR )	2	
6	970649725	STUD (=> N°T10306523 )	6	
7	970119137	WASHER,CORRUGATED D10	6	
8	970119143	NUT, M10	6	
9	95203062	GUARD PLATE	1	
10	970119149	WASHER, SPRING D 6 (Pour protection injecteur )	4	
11	41160208	BOLT	4	
12	39129510	BOLT	5	
13	970647606	WASHER,CORRUGATED D12 (POUR POULIE DP 240	5	
14	970647606	WASHER,CORRUGATED D12 (POUR POULIE DP 240	1	
15	39160549	BOLT	1	
16	970311177	COUPLING	1	
17	39160463	BOLT,HEX M10X1,25X 25	6	
18	970119137	WASHER,CORRUGATED D10	6	
19	970119143	NUT, M10	4	
20	970119136	WASHER,SPRING D10 (POUR INVERSEUR )	4	
21	970119135	WASHER,PLAIN D10 (DONT DEUX POUR CALAGE GALET	4	
22	95310541	SUPPORT	1	
23	970649725	STUD (=> N°T10306523 )	3	
24	39020403	STUD BOLT (<= N°T103060522 )	1	<= N° T203061009
24	970649725	STUD (=> N°T10306523 )	1	=> N° T203061010
25	39020301	STUD BOLT (<= N° T203061009 )	1	

V. 07/02/2012

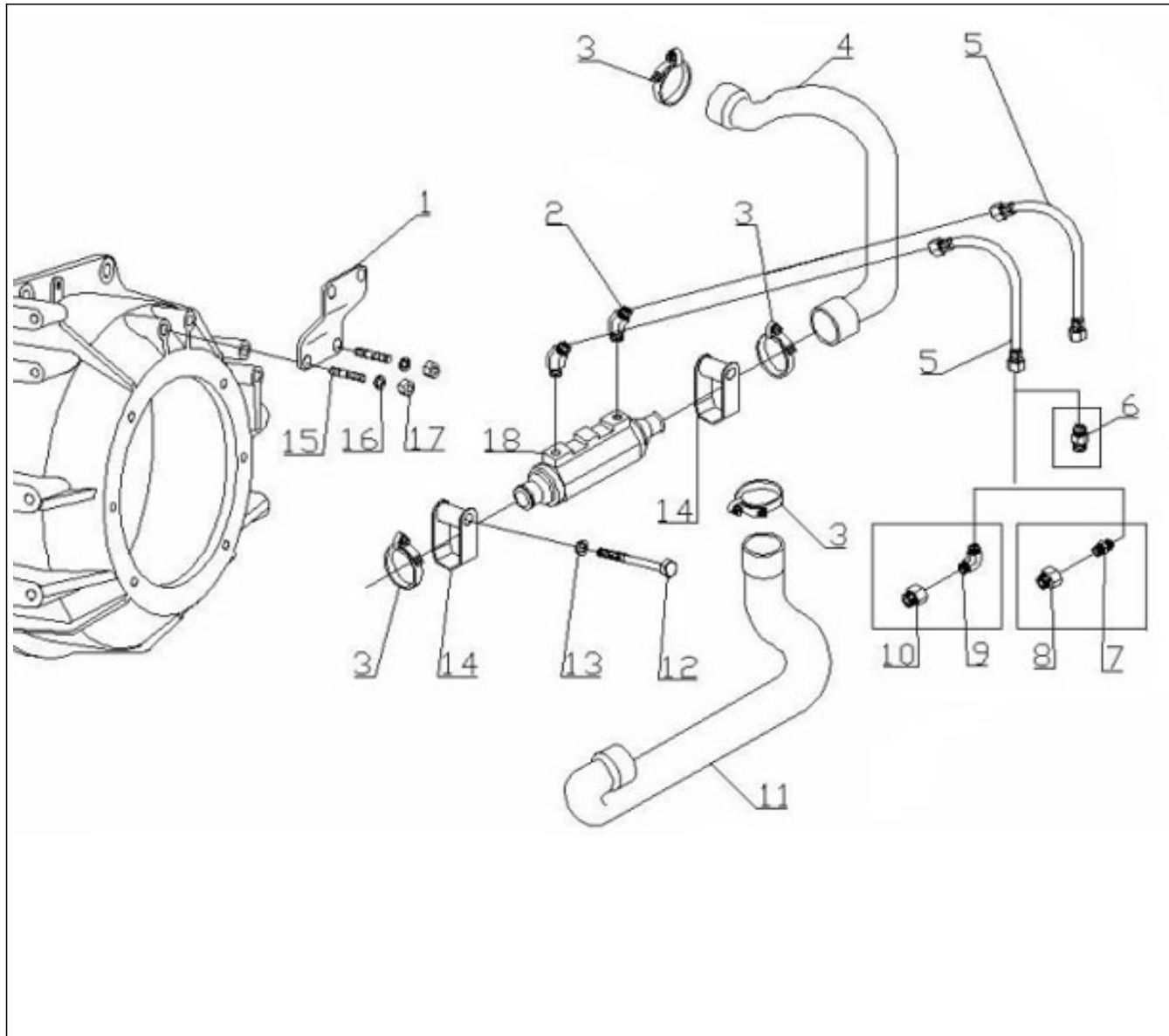
Pag. 35/40

Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Oil cooler gear box



N.	Item	Description	Qty	Notes
1	95310547	SUPPORT	1	
2	48300031	ELBOW 45 (A sup. Remplacé par racc pour GI )	2	
3	970604533	CLAMP,HOSE 32-44 (QUANTITE 8 R.P. 4 LE 19/06/2008 )	4	
4	48328101	HOSE (ADAPT TUYAU ENTREE COUDE )	1	
5	48300080	HOSE (A sup. Remplacé par racc pour GI )	2	
6	48300084	ELBOW	2	
7	48300308	ELBOW (++2 montés sur refroid et 2 en bourriche )	2	
8	48300318	UNION	1	
9	48300035	ELBOW 92	2	
10	48300318	UNION	2	
11	48328102	HOSE	1	
12	39160442	BOLT (+++ FIX . ALTERNATEUR )	2	
13	970119136	WASHER,SPRING D10 (POUR INVERSEUR )	2	
14	95203065	CLAMP	2	
15	970649725	STUD (=> N°T10306523 )	2	
16	970119136	WASHER,SPRING D10 (POUR INVERSEUR )	2	
17	970119143	NUT, M10	2	
18	48300373	OIL COOLER	1	

V. 07/02/2012

Pag. 36/40

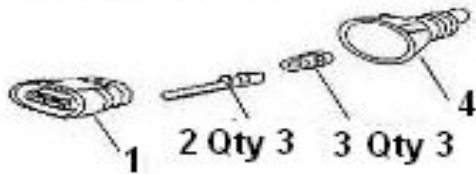
Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Connector

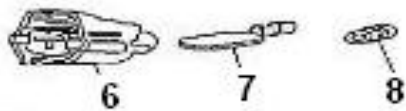
For alternator



For Injection pump



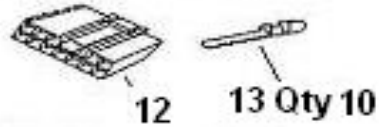
For starter magnet switch



For water temperature sensor



For preheating timer



For turbo pressure sensor



For filter assy, fuel



For starter +B, alternator +B

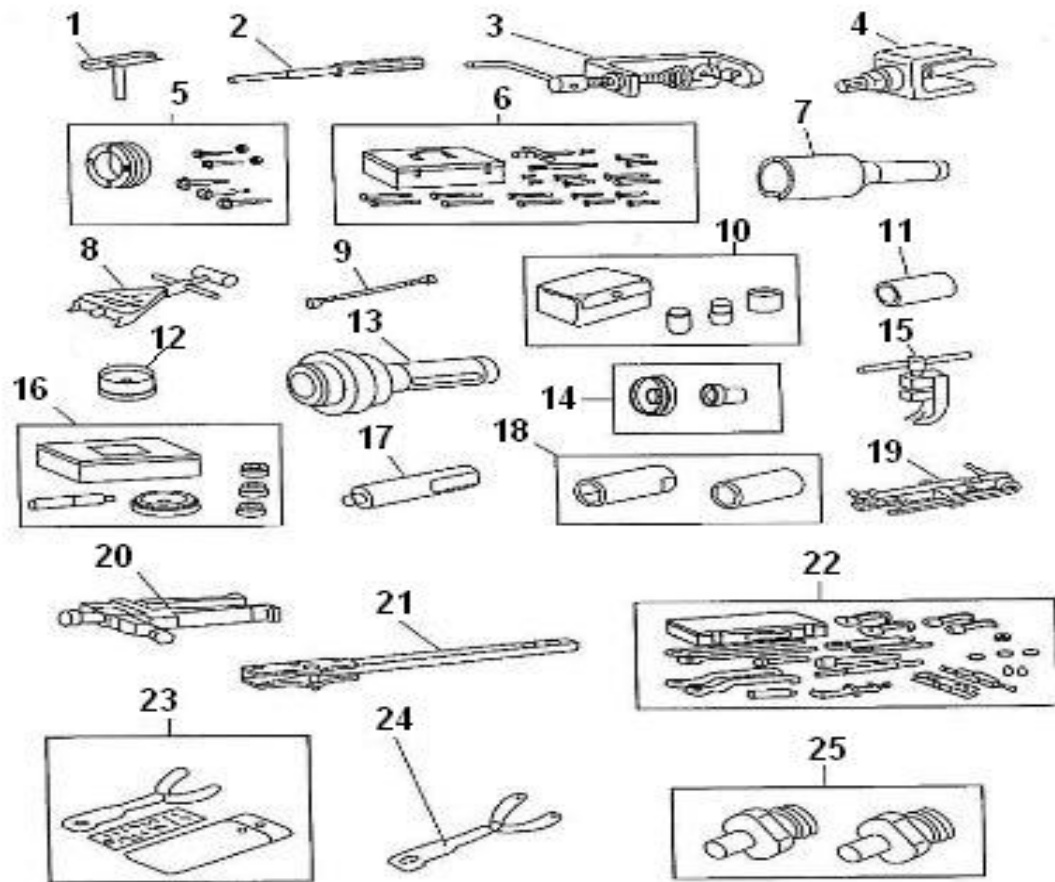


N.	Item	Description	Qty	Notes
1	970312353	CONNECTION HOLDER	1	
2	970312354	CONNECTION	6	
3	970312355	GASKET	11	
4	970312356	PROTECTION	1	
5	970312357	CONNECTION HOLDER	1	
6	970312358	CONNECTION HOLDER	1	
7	970312359	CONNECTION	1	
8	970312360	GASKET	1	
9	970312361	CONNECTION HOLDER	1	
10	970312362	CONNECTION	2	
11	970312363	GASKET	2	
12	970312364	CONNECTION HOLDER	1	
13	970312365	CONNECTION	10	
14	970312366	HOUSING, CONNECTOR FEMALE	1	
15	970312367	TERMINAL, FEMALE	3	
16	970312368	CONNECTION	1	
17	970312369	CONNECTION	2	
18	970312370	TERMINAL, FEMALE	2	
19	970312371	PROTECTION	2	

V. 07/02/2012

Pag. 37/40

Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.390TDI	3	970312372	VALVE TOOL	1	
Version: Standard	4	970312373	TOOL	1	
Subassembly: Tools	6	970312374	EXTRACTOR	1	
	8	970312375	BELT TENSION GAUGE	1	
	13	970312376	TOOL	1	
	15	970312377	VALVE CLEARANCE ADJUSTING TOOL	1	
	19	970312378	INJECTION PUMP TOOL	1	



V. 07/02/2012

Pag. 38/40

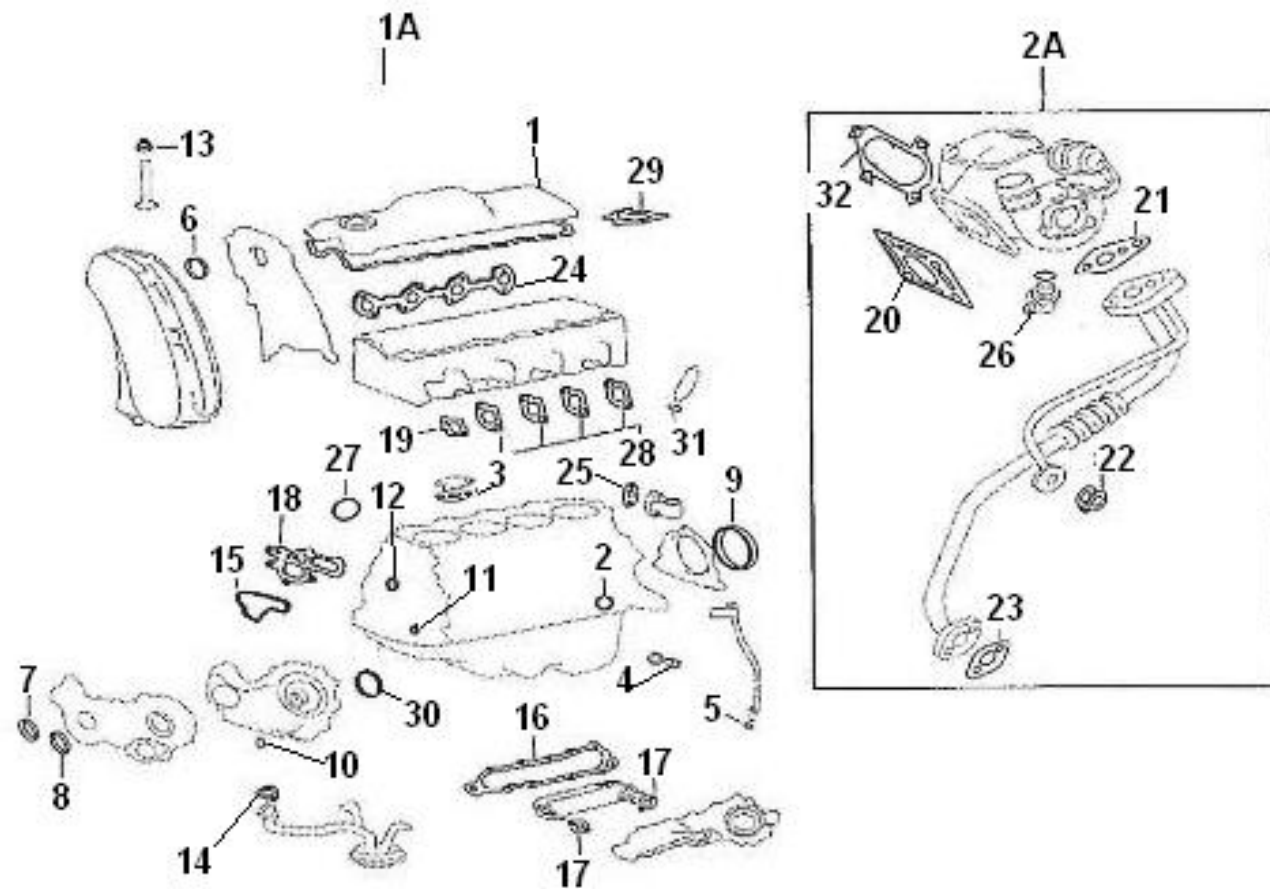
Brand: NanniDiesel

Model: Moteur 4.390TDI

Version: Standard

Subassembly: Tools gasket set

N.	Item	Description	Qty	Notes
1	970312348	SET OF GASKETS	1	
2	970312349	SET OF GASKETS	1	
3	970312350	GASKET SET	1	

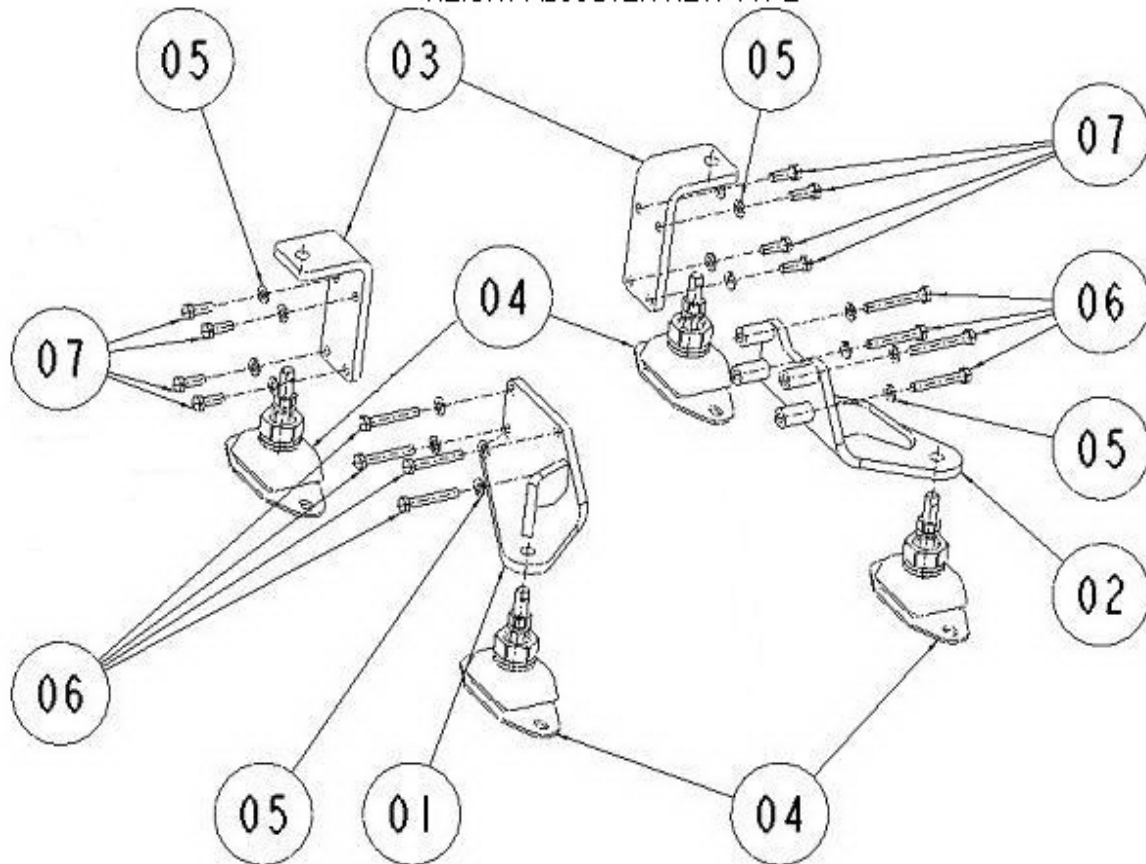


V. 07/02/2012

Pag. 39/40

Brand: NanniDiesel	N.	Item	Description	Qty	Notes
Model: Moteur 4.390TDI	1	95310887	BRACKET	1	
Version: Standard	2	95310886	BRACKET	1	
Subassembly: Engine mount	3	95310540	SUPPORT	2	
	4	TA600V02PR	ENS. 2 PLOTS 40 SH ECROU DE REGLAGE	2	
	5	970119136	WASHER, SPRING D10 (POUR INVERSEUR )	16	
	6	970307695	BOLT (+++ FIX . SUPPORT )	8	
	7	970649721	BOLT, HEX M10X 30 (VIS DE BOUT D ARBRE )	8	

REGLAGE ALTIMETRIQUE NOUVEAU MODELE  
HEIGHT ADJUSTER NEW TYPE



V. 07/02/2012

Pag. 40/40